ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: Assessment Report for Geological Mapping, Rock Geochemistry and Ground Geophysics

TOTAL COST:$207,757.93

AUTHOR(S):D. Anderson, S. Kennedy, F.A. Cook
SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):
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YEAR OF WORK:2016

PROPERTY NAME:Silverfox

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

515408	1030687	1030834	1030772	835955	1037432
519022	1030689	1045018	1030773	836269	
519048	1030691	836270	1030774	835953	
835425	1030765	836272	1030775	1030771	
835426	1030769	986834	1030808	1030810	
835948	1030770	986838	1030811	1037431	

COMMODITIES SOUGHT:Cu-Pb-Zn-Ag

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN:

MINING DIVISION: Ft. Steele
NTS / BCGS:
LATITUDE: _____° _____' _____"
LONGITUDE: _____° _____' _____" (at centre of work)
UTM Zone:11 EASTING:595000 NORTHING:5450000

OWNER(S):R.D.C Kennedy

MAILING ADDRESS:2290 DeWolfe Ave, Kimberley BC, V1A 2V1

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

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REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)Base and precious metal (vein and stratabound) mineralization is hosted by Mesoproterozoic Belt-Purcell Supergroup sediments, mainly the Creston and Kitchener Fm. Paleo-proterozoic faults appear to be major fluid pathways.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Smith A. 1947 Geology Report on the Moyie Groups, St. Eugene Mining Corp., BCEMPR, A.R.00001, 6 pages.

Smith A. 1948 Magnetometer Report on the Moyie 1 – 6 Groups, St.Eugene Mining Corp., BCEMPR, A.R. 00041, 11 pages.

Yeager D.A. 1983 Diamond Drilling and soil geochemistry on the Silver Pipe, Gulf International, BCEMPR, A.R. 10907.

Anderson D. and Schultze H.C. 1987/88 Rock Geochem of Well Cuttings from Well Hole d-8-c, Cominco Ltd., BCEMPR, two A.R. 16681 and 18128.

Stephenson, L. 1990 Mapping and Prospecting, Look property, Kokanee Exploration, BCEMPR, A.R. 20753.

Jackisch, I. 1990 Geophysical Report on the St. Eugene Mine property, Cominco Ltd., Utem grid and survey, BCEMPR, A.R. 20705, 24 pages.

Erdman, L.R. 1990 Geology and Soil Geochem Survey on the Beach Group of claims, Noranda Mining and Exploration Inc., BCEMPR, A.R. 20483, 40 pages.

Ransom, P.W. 1992 Geochemistry Report on the Cherry Claims, Cominco Ltd., BCEMPR, A.R. 22503, 17 pages.

Stephenson, L. 1999 Magnetometer and VLF Survey, Erin Property, Kokanee Exploration, BCEMPR, A.R. 25799.

Stephenson, L. 1999 Magnetometer and VLF Survey, DEK Property, Kokanee Exploration, BCEMPR, A.R. 26018.

Kennedy, C. 2005 Prospecting, Silver Pipe Property, BCEMPR, A.R. 28069.

Klewchuk, P. 2005 Geophysics Report on the 505101 Claim, St. Eugene Property Mining, BCEMPR, A.R. 27805, 10 pages.

Klein, J. 2006 Airborne EM and Mag Survey on the Moyie Lake and Monroe Lake Grids, St. Eugene Mining, BCEMPR, A.R. 28450, 41 pages.

Klewchuk, P. 2007 Diamond Drilling Report on the Society Girl, St. Eugene Mining, BCEMPR, A.R. 29290, 29 pages.

Klewchuk, P. 2007 Diamond Drilling Report on the Moyie Lake property (Aurora), St. Eugene Mining, BCEMPR, A.R. 29809, 17 pages.

Klewchuk, P. 2008 Diamond Drilling Report on the North Structure Area, St. Eugene, St. Eugene Mining, BCEMPR, A.R. 29810, 33 pages.

Kennedy, C. 2008 Prospecting around the KRL Property, BCEMPR, A.R. 29609

Pighin, D.L. 2009 Geological Mapping, Silver Pipe and KRL Properties, Grandeur Resources, BCEMPR, A.R. 30660.

Kennedy, S. 2010 Prospecting, KRL Property, Kootenay Gold, BCEMPR, A.R. 31658.

Hoy, T. 2011 Geological Mapping and Rock Geochem, Silver Fox Property, Kootenay Gold, BCEMPR, A.R. 32645

Kennedy, C. 2012 Prospecting, Silver Fox Property, Kootenay Silver, BCEMPR, A.R. 33261.

Anderson, D. 2012 Geological Mapping, Silver Fox Property, Kootenay Silver, BCRMPR, A.R. 33379.

Anderson D. and Schultze H.C. 1987/88 Rock Geochem of Well Cuttings from Well Hole d-8-c, Cominco Ltd., BCEMPR, two A.R. 16681 and 18128.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			$50,972.87
Ground, mapping	1:10,000, 20X6 km 1:5,000 3.6X3.7 km	515408 , 1030687, 1030834, 1030772, 835955, 519022, 1030689, 1045018, 1030773, 836269, 519048 , 1030691, 836270, 1030774, 835953, 835425, 1030765, 836272 , 1030775, 1030771, 835426, 1030769, 986834, 1030808, 835948, 1030770, 986838, 1030811 1030808, 1037431, 1037432	
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			$49,614.71
Magnetic	App. 94 km		
Electromagnetic	App 38 km		
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for …)			
Soil			
Silt			
Rock	304	See list above	$10,238.28
Other			

DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying	wages		$57,473.64
Petrographic	13		$2989.53
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 writing, maps, admin, etc,		$36.468.90
		TOTAL COST	$207,757.93

Assessment Report for Geological Mapping, Rock Geochemistry and Ground Geophysics

Silver Fox Property

Southeastern British Columbia

NTS Mapsheet 082G/4
BCGS Map Sheets 082G022,023,032,033

Fort Steele Mining Division

Year of Work – 2016

UTMs near centre 596000E 5448000N

Latitude near centre 49.2°

Longitude 115.7°

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Yahk Ridge Area Ag in Rocks	1:10,000
Yahk Ridge Area Pb in Rocks	1:10,000
Ranger Lake Area Cu in Rocks	1:5,000
Ranger Lake Area Ag in Rocks	1:5,000
Ranger Lake Area Pb in Rocks	1:5,000
Ward Area Cu in Rocks	1:5,000
Ward Area Cu in Rocks	1:5,000
Ward Area Cu in Rocks	1:5,000

1.0 Introduction

The original Silver Fox claims were a large block encompassing 20,741 hectares in southeastern British Columbia extending north from the United States border up to an area east of Moyie Lake. The property was designed to cover stratabound copper mineralization similar to that found at several properties in Montana. In 2013 the claim block was reduced in area, maintaining the north area which covered previously known mineralization recognized at the Silver Pipe and KRL showings but also new discoveries at Jake Hill. The property ties in with the St. Eugene and Society Girl mines which are all part of a northwest-trending structural block in which the structures have acted as feeder zones for lead-zinc-silver and copper mineralization with associated alteration. In 2015 and 2016, the property was enlarged again to cover the original full extent to the border and an extension to the north.

This report deals with geological mapping, rock geochemistry and ground geophysics. Mapping was done at a scale of 1:10000, which was intended to add detail to that recorded in 2015, in particular for the northern and central portions of the property. A portion of the south-central part of the claim block was mapped in even greater detail at a scale of 1:5000. Semi-systematic rock geochemical sampling was conducted over the Ward and Yahk Ridge areas while expanded reconnaissance style geochemistry was conducted across the property. Ground based geophysics (magnetics and VLF-EM) was conducted primarily in the Ward Creek and Yahk Ridge areas.

All geological work from 2011 on has been designed to follow up on positive results from prospecting and rock sampling (Kennedy, 2010, 2011, and 2012), and stream silt sampling (Jackaman, 2012). There are two types of targets on the property including Pb-Zn-Ag cross-cutting zones such as at St.Eugene or possibly of the Coeur d'Alene style and stratabound, sediment-hosted Cu-Ag of the Spar Lake variety.

2.0 Claims

The Silver Fox claim block is a contiguous set of claims from stretching from the U.S. border north through Ward creek, Haller creek, across the Teepee Creek drainage up onto the divide before dropping west towards Moyie Lake.

There are a total of 46 mineral tenures which comprise the Silver Fox and the area around the St. Eugene Mine. They are listed in the Tables below. The claims are registered to R.D. Craig Kennedy.

The claims now total 16884.83 hectares over a distance of about 35 kilometers.

Table 1 Mineral titles details.

Tenure Number	Claim Name	Good to Date	Owner
1020525	KRL 121-13	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1037433	KRL 32-15	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1037432	KRL 31-15	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1037431	KRL 30-15	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030810	KRL 29-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
836269	KRL 26-10	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
836270	KRL 27-10	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030834	KRL 113-11-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
836272	KRL 28-10	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
835955	KRL 18-10	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
835425	KRL 09-10	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
835426	KRL 10-10	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030772	KRL 08-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030771	KRL 07-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030769	KRL 15-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030770	KRL 06-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030765	KRL 14-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030691	KRL 04-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030689	KRL 03-05-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030773	KRL 13-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
835948	KRL 12-10	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030774	KRL 21-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1037434	KRL 33-15	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1022509	KRL 122-13	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1019579	KRL 118-13	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1031154	KRL 120-13-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1045019	KRL 40-16	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1019682	KRL 119-13	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1019533	KRL 117-13	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG

999062	KRL 116-12	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
986838	KRL 115-12	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030808	KRL 22-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
986834	KRL 114-12	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030775	KRL 17-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
515408		2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
835953	KRL 16-10	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
519048	KRL 2	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030811	KRL 111-11-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
519022	KRL	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1030687	KRL 04-10-14	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG
1045018	KRL 40-16	2018 01 13	KENNEDY, ROBERT DUNCAN CRAIG

3.0 Location and Access

As described above, the claim block covers a total southeast to northwest distance of about 35 kilometres from Latitude 49 degrees to Teepee creek then over the divide down into the Moyie Lake area around the St. Eugene Mine. The area is principally subdued, rounded mountains ranging from 900 metres at Moyie Lake to 2400 metres at the summit of Yahk Mountain. Extensively forested, the region has been logged throughout with the creation of road access. Access is excellent because of the widespread logging activity over the last three decades. The network of roads are accessed mainly through Glencairn and Sunrise creek roads from the west and the Teepee creek, Haller, and Caven creek roads from the east and Hawkins creek from the west.

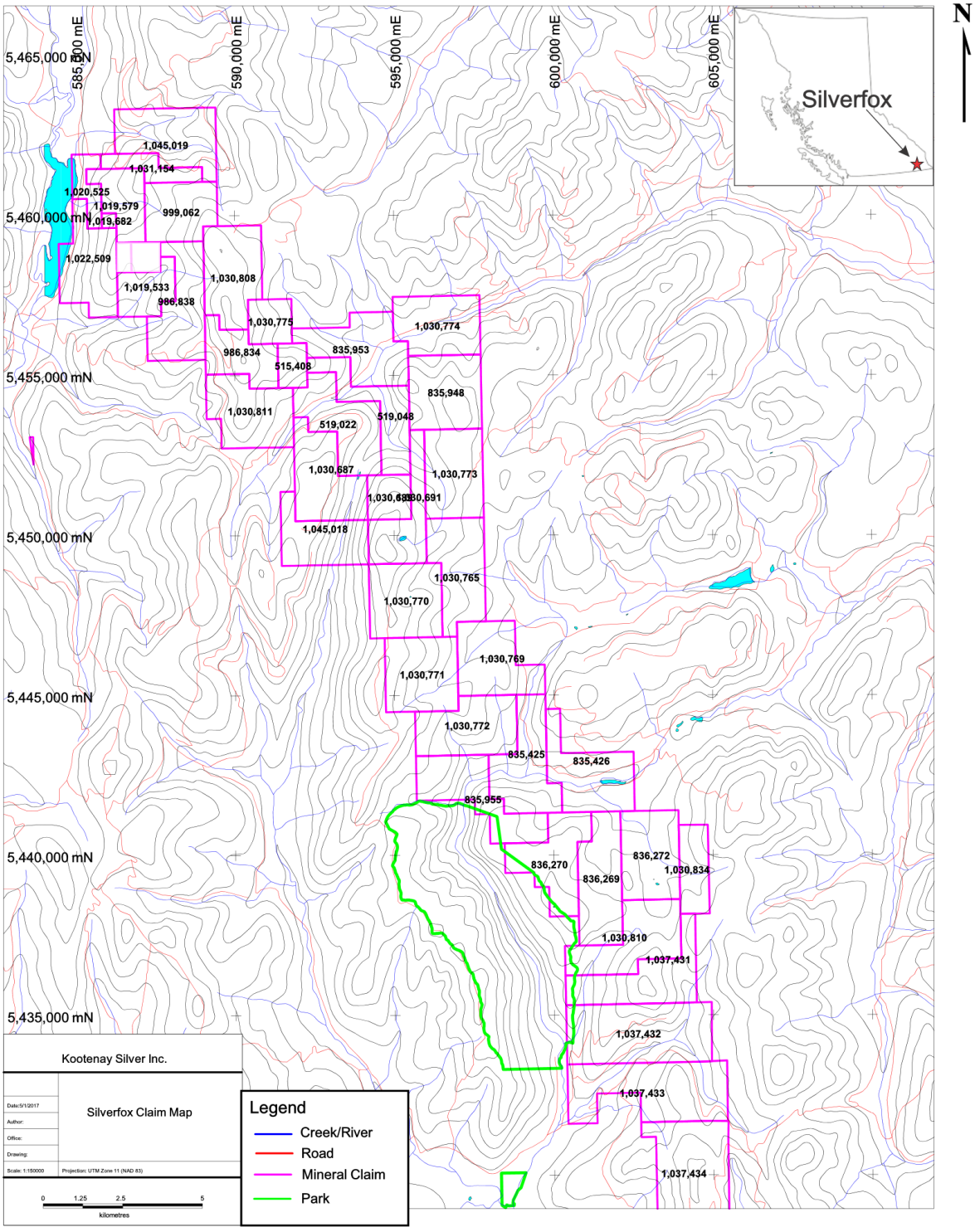


Figure 1 Claim map.

4.0 History of Exploration for the Area

For the Silver Fox north area of 2013, considerable exploration has been done in the vicinity of the Silver Pipe showing, northwest towards Moyie Lake and southeastward across Teepee Creek towards the KRL (Sara) vein. The Silver Pipe (Pipeline showing) was originally staked following construction of the gas pipeline in the mid to late 1960s. The property, originally called the Dirk property, was later renamed the Teepee property and comprised the Erdaco and Dirk claims. These were optioned to Mercury Exploration in 1969 who conducted some geological mapping, a ground magnetometer survey and trenching which defined the Gossan vein system with widths up to 5 meters and a strike length of approximately 400 meters (*see* summary in Yeager and Ikona, 1983). Yeager and Ikona (*op. cit*.) also note an EM survey done by Cominco in 1971 (J. Hamilton, internal Cominco Report, 1971).

The claims were allowed to lapse and subsequently restaked in 1980, then vended to R.G. Gifford who in turn vended them to Gulf International Ltd. Work by Pamican Development Ltd for Gulf International included a soil geochemical program, trenching, geological mapping and sampling (Yeager and Ikona, 1983). A geological map included in this 1983 report shows the location of 1982 diamond drill holes, although no reference is made to them in the text. The collars, with casing, are still visible but no core.

Kokanee Exploration staked claims in the northern part of the Silver Pipe area in the late 1980s and conducted some reconnaissance geochemical and geological mapping (*see* summary in Stephenson, 1999). Prospecting by C. Kennedy in 1989 discovered the Jake showing south of Teepee Creek. Stephenson (1999) and Pighin (2009) both report that Auckland Resources drilled 7 holes totaling 307.7 metres in the area of the KRL property. and intersected "low-grade silver base metal mineralization associated with gabbro dykes". However, as noted by Pighin (2009), the exact locations of these holes are not known.

The Erin claims were staked by L. Stephenson in 1992 to locate and evaluate the projected trend of the Pipeline showing and soil sampling, mapping and prospecting were subsequently carried out (Stephenson, 1999a). Considerable more work was done by Stephenson in the mid to late 1990s on the Erin and Dek claims; the Dek claims, staked in 1997 covered both the KRL and Silver Pipe veins. This work included geological mapping, additional prospecting and ground VLF and magnetometer surveys (*see* Stephenson, 1999a, 1999b).

D. Lavoie and S. Kennedy staked the area around the Jake and Silver Pipe veins in 2005 and optioned them to Grandeur Resources Ltd. who conducted a program of prospecting and rock and soil geochemistry, mainly in the vicinity of the KRL (renamed Sara) showings (Kennedy, 2005; 2006; 2008). Many of the collected rock samples were float but returned high values in lead (>10,000 ppm), zinc (up to 4903 ppm, silver (>100 ppm) and gold (up to 4226 ppb). Detailed mapping by Pighin (2009) in the vicinity of the Sara vein differentiated the Creston Formation, outlined areas of intense alteration, defined structural controls and better defined and delineated the Sara vein.

A regional exploration and prospecting program, carried out mainly by Craig and Sean Kennedy for Kootenay Gold, recognized extensive alteration in the Creston Formation

that locally extended south to the United States border. Further prospecting and reconnaissance mapping, with discovery of stratabound copper mineralization, led to comparisons with stratabound copper-silver mineralization in northern Montana and subsequently a large tract of land, the Silver Fox property, was staked.

Work during the 2011 field season included a reconnaissance silt geochemical program (Jackaman, 2012), additional prospecting (Kennedy, 2012) and geological mapping (Hoy et al, 2012). Mapping at 1:20000 scale started at the south end of the property and continued north in 2012 (Anderson2012, 2013).

The St. Eugene portion of the claim block has a long and varied history. Mining of the vein system was earliest from the late 1890's through to 1916. Production totalled 1.47 million tonnes of about 7.7% Pb, 124 g/tonne Ag, 1% Zn (very low recovery), and 0.05 g/tonne Au. Small tonnages were extracted from extensions on the west side of the lake (Aurora and Guindon) and to southeast at the Society Girl. The operators of the day did exploration underground and later in the 1930's, 1940's, and 1960's more mapping and drilling was done but records are poor to non-existent.

The St. Eugene Vein System is comprised of several cross-cutting veins which transect the upper part of the Middle Aldridge, becoming less pronounced up into the Upper Aldridge. The northwest-striking, steeply south dipping veins extend from the Aurora/Guindon on the west side of the lower Moyie Lake southeast about 5 kilometres, over a vertical range of at least 1200 metres. It is primarily a lead-zinc-silver system with a variety of trace elements including copper, gold, arsenic, antimony, and mercury. The mine produced primarily lead and silver with the sphalerite discarded for most of the production history. Most of the tonnage was contained within the north and south veins, particularly where the south vein converged on the north vein and cross structures (linking shears) yielded significant production as well. The best developed veins and mineralization were confined to two intervals of quartzite-dominated stratigraphy designated the Lakeshore and Moyie zones.

Early exploration at the St. Eugene is generally described but specific results are lacking. During mining, levels were extended and a few holes drilled from surface. Later in the 1930's and 1940's several reviews were conducted of the property and some dewatering of workings took place. During the late 1940's mapping was conducted and a magnetometer survey completed. In 1964 and 1965 exploration consisting of mapping, soil geochem, trenching on the upper St. Eugene area and across the lake at the Aurora. Two drill holes were done on the upper St. Eugene Baltimore claim. During the 1960's Cominco Ltd. drilled three deeper holes along the east shore of the lower lake apparently to test the ground south of the St. Eugene for parallel veins but also to try to intersect the St. Eugene system at depth which was not accomplished.

In 1988, after completion of the d-8-c well hole by Duncan Oil and Gas at the south end of the lower Moyie Lake, the cuttings from 3 metre intervals were sampled and analyzed. This identified some anomalous Pb-Zn intervals and a deeper anomalous copper zone. In 1990, a UTEM geophysics survey was completed over the St. Eugene mine area. Also in 1990, Noranda completed a one year program of mapping and soil geochem on the Beach property, 4 kilometres to the north, in response to anomalous copper in an RGS sample.

In 1992, Cominco Ltd. did some soil sampling on the Cherry claims just to the south, again in response to a positive RGS sample, in this instance for lead,zinc, and silver. In 2005, St. Eugene Mining Corp. launched a four year program including: EM on the ground; an airborne EM and Mag in 2006; diamond drilling on the Society Girl area and across at the Aurora in 2007; and diamond drilling on a structural zone north of the mine in 2008. (see St. Eugene Mining assessment reports)

In 2013 a mapping program was started at 1:10000 scale on the St. Eugene area. This encompassed north to Barkshanty creek and south to about Sunrise creek. (Anderson, 2014).

In 2014 and 2015 mapping, prospecting, rock geochem sampling covered a significant part of the property at 1:20000 scale then at 1:10000 scale.

5.00 Regional Geological Setting for the Silver Fox Property

5.10 Stratigraphy

The property lies within the Purcell anticlinorium, a gently north plunging structure that is cored by Paleoproterozoic sedimentary and minor volcanic rocks of the Purcell Supergroup and flanked by unconformably overlying Neoproterozoic clastic and carbonate rocks of the Windermere Supergroup. These are generally overlain by either Cambrian or Devonian rocks, part of the North American "miogeoclinal" sequence. The Purcell Supergroup, and correlative Belt Supergroup in the United States, comprises a syn-rift succession, the Aldridge Formation, and an overlying, generally shallow water post-rift or rift fill sequence, including the Creston and Kitchener Formations, and younger Purcell rocks (Höy, 1993) (Figures 3, 4).

The exposed part of the Aldridge Formation comprises more than 3000 meters of mainly turbidite deposits and numerous, laterally extensive gabbroic sills referred to as the Moyie intrusions. The gabbroic sills are laterally extensive, typically up to several hundred meters thick and can be traced over hundreds of square kilometers. Locally, particularly in areas of growth faulting, they cut across stratigraphy as dykes. Some of the Moyie sills have contact features that suggest intrusion into wet and partially consolidated sediments (Höy, 1993).

The Creston Formation, host to mineralization on the Silver Fox property, is described in considerable more detail below. It comprises dominantly green, mauve and grey siltstone, argillite and quartzite with numerous structures indicative of shallow-water to subaerial deposition. It conformably overlies upper Aldridge argillite and siltstone and is overlain by carbonate rocks of the Kitchener Formation. The Creston Formation correlates with the Burke, Revett and St. Regis formations of the Ravalli Group in the United States (Harrison, 1972; Winston, 1986) and the Appekunny and Grinnell formations in the southwestern Clark Range (Price, 1964). In the Purcell Mountains, the Creston Formation comprises three main subdivisions: a basal silty succession of thin-bedded grey to green siltstone and argillite, a middle succession of mauve, green and grey, thin to medium bedded siltstone quartzite and quartz arenite, and an upper

succession of intermixed green argillaceous siltstone and minor quartz arenite (Hoy, 1993).

The Kitchener Formation is dominantly a carbonate unit between the Creston Formation and overlying siltites of the Van Creek Formation. It correlates with Empire and Helena Formations in western Montana (Winston, 1986) and the middle part of the Siyeh Formation in the Galton and Clark Ranges (Price, 1964). The formation is divisible into two members, a lower green dolomitic siltstone and an upper dark grey, carbonaceous, silty dolomite and limestone (Höy, 1993).

5.2 Structure and Tectonics

The Silver Fox property is within the Foreland Thrust and Fold belt, the most eastern physiographic belt in the Canadian Cordillera (Monger *et al*., 1982). The belt is characterized by shallow, east verging thrust faults and generally broad open folds in rocks that range in age from the middle Proterozoic Purcell Supergroup to Phanerozoic miogeoclinal rocks. The Purcell Supergroup is mainly exposed in a broad, shallow north plunging anticlinal structure, the Purcell anticlinorium in the Purcell Mountains west of the Rocky Mountain trench.

Structures within the Purcell anticlinorium include east verging thrust faults, northeast trending, right lateral reverse faults, and open to tight folds (Höy, 1993). A complex array of normal faults that trend dominantly northward parallel to the Rocky Mountain trench cut the earlier thrust faults and associated faults.

The northeast-trending structures, including the St. Mary and Moyie faults, are within or parallel to a broad structural zone that cuts the Purcell anticlinorium, crosses the Rocky Mountain trench and extends northeastward across the Foreland thrust belt (Kanasewich, 1968). This zone is marked by a conspicuous change in the structural grain, from northerly north of the zone to northwesterly south of the zone, and by pronounced and fundamental changes in the thickness and facies of sedimentary rocks that range in age from Middle Proterozoic to early Paleozoic (Höy, 1993). Furthermore, the zone appears to have focused a variety of deposit and metallotects that range in age from the stratiform middle Proterozoic Sullivan deposit to Paleozoic carbonate replacement base metal deposits to gold and copper mineralization related to Jurassic and Cretaceous magmatism (Höy, 1982). The Silver Fox property lies along the southern edge of this structural zone, south of the east-northeast trending Moyie fault.

Closer in to the St. Eugene, the claims cover the east limb of the north-plunging Moyie Anticline closer to the fold closure. Strata includes the upper Middle Aldridge through Upper Aldridge into Lower Creston and the basal part of the Middle Creston. The anticlinal axis is northerly at the US border, curving to the northeast maintaining a parallelism with the regional Moyie fault. There is evidence of secondary folding of the east limb of the Moyie anticline to the southeast where a broad south-plunging syncline is separated from the main fold by faulting. Additionally, the drainages to the south of the St. Eugene contain abundant outcrop with visual evidence of folding of the Middle Aldridge (not mapped). Folding at the St. Eugene is restricted to small scale, narrow fold zones trending north.

5.30 Depositional Setting of the Creston Formation

A consideration of the depositional setting for the Creston Formation is considered important because of the presence of Sediment-Hosted Copper/Silver deposits in equivalent stratigraphy in western Montana. All current evidence from the ore deposits and numerous occurrences in the Middle Creston-equivalent Revett Formation is that lithology and its distribution are critical factors in the localization of the copper and silver. In an area such as the Silver Fox property with its subdued relief and low percentage of outcrop, it is essential to try to predict the distribution of all lithofacies, particularly quartzites, the expected principal host.

D. Winston (University of Montana), a longtime expert on the clastic rocks of the Belt, including those of the Ravalli Group and the Revett in particular and others familiar with the Creston Formation in B.C., consider the source area to be to the southwest as major alluvial aprons feeding a mixture of fine detritus and sand.

The change from the muds and silts of the Lower Creston to the frequent vertical and lateral lithofacies changes in the thickened (relative to Montana) 1500 metres of the Middle Creston (C2) suggest tectonism in the source area. The shedding of material out across a broad, shallow basin from an extensive apron may allow for units (packages of similar lithologies) to be extensive but individual beds may be more discontinuous.

The Creston Formation consists of three sub-divisions which have succeeded the Aldridge Formation, a thick sequence of turbidites representing a rift-fill stage. The Upper Aldridge division is a unique sequence (300 metres) of thin-bedded to laminated, pyrrhotitic argillaceous sediments capping the turbidites as the basin filled.

The Lower Creston(C1) continues the basin fill stage. It is dominated by grey to green argillites and siltstones in couplets, thin to medium bedded totaling 800 to 1000 metres in southeastern B.C. Rusty weathering near its base, the sediments become more green up-section with various bedforms with wavy and lenticular bedding, syneresis cracks, cross-bedding, and ripples. All suggest a shallow, generally subaqueous environment with periodic shallowing and infrequent subaerial exposure.

The Middle Creston(C2) is roughly equivalent to the Revett Formation of the U.S. and hosts most of the copper-silver. In southeast B.C., the C2 is 1500 to 1800 metres thick and is dominated by more quartz-rich sediments interbedded with argillites and siltstones. Mapping documents there are at least four main intervals which are consistently quartzites with varying purity levels in each on a bed by bed basis.

Overall the C2 is higher energy deposits with common cross-bedding, ripples, lenticular bedding, mud-chip breccias, internal lamination, mud-cracks, scattered carbonate present in fine to medium to coarse-grained units. The quartzites of C2 generally contain disseminated magnetite and thus are readily identified on aeromag surveys. Colors range from grey to green to mauve with these changes reflected on a bed by bed basis or by more formational changes indicative of reducing to oxidizing conditions.

Figure 2 Formational Redox Front.

Difficult to document on the Silver Fox are apparent vertical and lateral lithofacies changes suggestive of alternating depositional conditions. The more argillaceous intervals are thin medium bedded argillites and siltstones with the same color variations. Throughout the Creston but particularly abundant within the C2 are short-lived, higher energy deposits from 0.5 to 3 metres thick. These storm or sheet-flood deposits are undulating, often lenticular argillaceous bedforms at the base becoming even more disrupted with interbedded white sand often containing clasts. The upper part of an individual storm deposit is often capped by white, coarse-grained quartzites of varying thicknesses. At several locales, these quartzites can dominate a section of stratigraphy over several hundred metres such as at Jake Ridge and north of Haller Creek. This is happening as the QP4 (quartzite package) immediately below the C3.

The Upper Creston(C3) in the Silver Fox area is 400 to 500 metres of thin to medium bedded argillaceous to silty sediments representing a basin-wide transgression. They are green to locally mauve in color. Sedimentary structures include mud-cracks, ripples and mud-chip breccias. Up section, the C3 appears as extensive, shallow-water mud flats with increasing carbonate content. Magnetite can be present but generally in lower concentrations. Enigmatic is the presence of iron spotting and cubic pyrite immediately above the C2.

Above the C3 is a section with increasing carbonate content but still interbedded with green, fine-grained argillaceous rocks separated out as the C3 Transition. This unit is overlain by the carbonate-dominated Kitchener Formation, initially argillites and dolomitic carbonate gradually succeeded by darker colored argillites and carbonates.

6.00 Geological Mapping Results for 2016

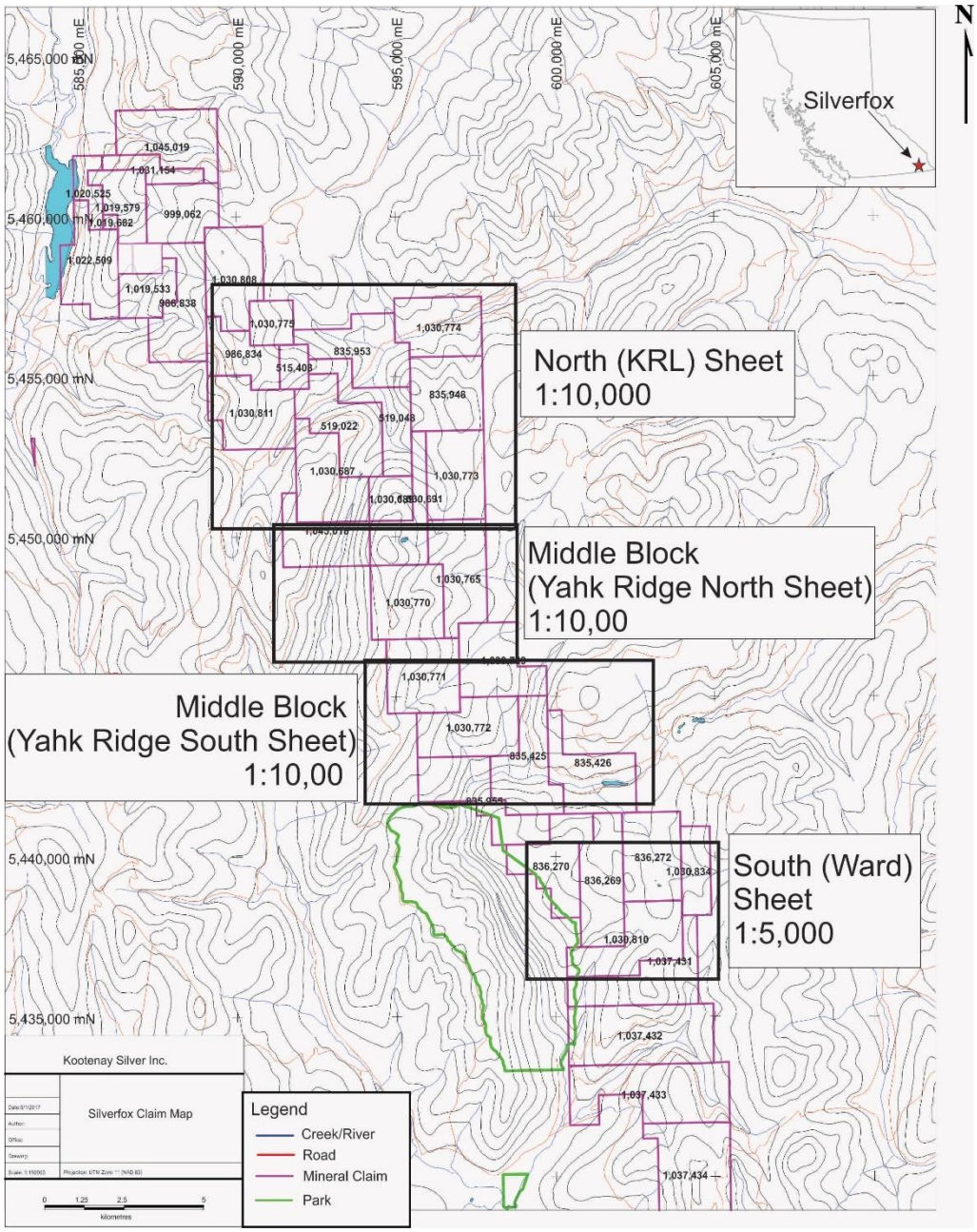


Figure 3 Map showing location of geological maps included in the Appendix.

The program was designed to add more information in blank areas, consider in more detail the presence of oxide verses reduced facies within the Middle Creston, and to examine alteration more closely. The approach was to use 1:10000 scale as a base for the north (KRL) and middle sheets (Yahk Ridge North and South) and 1:5000 scale for mapping at Ward North on the south sheet.

6.10 North Block (KRL)

Geological mapping started on the most northerly sheet of the Silver Fox and was done as a continuation of the 1:10,000 scale mapping of 2015. In the northwest corner of the sheet where the percentage of outcrop continues to be low, an area of oxide facies extends south from the Jake fault to a dominantly reduced facies along the extension of the St. Eugene fault system. On the basis of visual inspection and some petrography done on the two facies they are typified by:
Both types include quartz, white mica, plagioclase, and chlorite.

Oxide Facies – bluish to mauve to purple argillites through quartzite with extremely fine hematite dust which is quite pervasive.
Reduced Facies – are mostly lighter colored green to grey rocks without the hematitic opaques.
A redox front is defined as the change from one facies to the other and can occur on a formational-scale down to a small-scale hand specimen basis.

The two stratigraphically lower quartzite horizons (QP1 and QP2) recognized to the southwest are tenuously established north of the KRL fault. They appear to be different in character and form going north suggesting the fault may have been active during sedimentation, influencing sedimentation patterns. Lesser east-west faults appear to have localized iron and manganese oxides in the KRL area. The KRL complex results from the intersection of northwest, east-west and north trending faults. Prospecting and rock sampling on widely scattered outcrops suggest possible Cu/Ag horizons may occur within the QP1 to QP2 interval, particularly across the St. Eugene extension.

Of particular note in this northwest area is the presence of alteration of the Middle Creston. The alteration here and at other locations on the Silver Fox is a “bleaching” of the sediments to a fine-grained, light colored, massive appearing, quartz-mica-plagioclase rock with low opaques. Upon weathering, the rocks appear chalky as in the photo attached from the Oke creek area.

Figure 4 North Block, Oke Creek area, alteration zone.

To the northeast, the QP4 quartzite package was previously defined by “storm deposits” scattered through a section below the Upper Creston. These units 0.5 to 3+ metres in thickness are now defined as High Energy Sheet Deposits (HESD). They have now been found throughout the property and therefore are not restricted to Jake ridge. Previously described in other reports these units are generally argillaceous bases with ropey, lenticular and some mud chip breccias up into thick bedded, often coarse-grained white quartzites. They appear to represent periodic, higher energy disruption of normal sedimentation.

To the southeast the QP3 quartzite package extension is represented by extensive float of medium to coarse-grained quartzites with frequent dark grey to orangey-brown spotting – these are good quartzites with 65% quartz, 20% white mica and 10% iron carbonate to limonite with no plagioclase based on petrographic work.

Two cross sections are included as OK – OK’ and D – D’.

6.20 Middle Block (Yahk Ridge North and South)

The mapping on this sheet documented more detail on the stratigraphy through this area and was benefited by a combined ground magnetometer/vlf survey. The QP3 was

extended further south with problems arising because of poor outcrop but also the quartzite package appears more interbedded with siltstones and argillites than is the case to the north at Jake Ridge. The extension is interpreted using more talus and float rock on the west flank of Yahk Mountain. The continuity of the C2 units through the area is displaced when integrated with the mag survey, establishing two northwest directed faults.

Going south the western flank of the mapsheet is still quite quartzitic but appears (again low percentage of outcrop) to be more thin bedded. Dropping down section into the bottom of the Yahk river draw (fault) there is anomalous copper rock geochem along at least 3 kilometres of strike length. The positive results appear to be more from mixed lithologies.

On the west side of the sheet, west of the Yahk river fault, mapping established that the Middle Creston(C2) is more widespread on the north-south ridge with the more argillaceous, thinner bedded C1 occurring lower down on the flank east into the Yahk river.

Little was done to the south on the sheet in 2016. A cross-section through Yahk Mountain is attached as Ym-Ym'.

6.30 South Sheet

In 2015 the north half of the South sheet was mapped in more detail at a scale of 1:10000. This included the northern part of the Gilnockie creek drainage south to the north Ward creek area. This encompasses about 10 kms north-south and 4 kilometres east-west. In 2016, it was decided to acquire greater detail in the area of north Ward. This mapping was done at a scale of 1:5000 extending from about UTM 5439000N to 5433600N. In addition, a combined magnetic and vlf survey was completed through the block adding more information about the setting.

The 36 square kilometre area is dominated by Middle Creston (C2) stratigraphy on the west against the east boundary of the Gilnockie Park across to a major fault system which juxtaposes Upper Creston (C3) on the east. The C2 mapping documents a broad anticline with gently dipping limbs until the C2 is steepened or even overturned against the fault system. The fault system is a NNW-trending series of faults across a width of about 700 metres at this latitude. Details are lacking to establish the nature of these faults which are steep-dipping thrusts or reverse faults. Regardless the sediments within the faulted terrain are hangingwall sequences of C3 and C3Tr and possibly the Kitchener Formation as well. On the north, the mapped block of 2016 is bound by an east-west normal fault which brings C3 into contact with the north-striking C2 stratigraphy.

The central portion of the map as C2 includes more outcrop exposure than is customary for most of the Silver Fox property thereby allowing tentative sub-divisions of the C2 to be established, at least for this area. These are from highest to lowest:

100m+	Thin to medium bedded quartzite-siltstone-argillite interbedded. Green to grey in color with some thin coarse-grained quartzite intervals. Disseminated chalcopyrite and pyrite are present and quite common is chlorite alteration. The top of this sequence is not exposed. Close to the top of the exposures a spotted, altered looking quartzite was examined petrographically – it is mainly quartz,white mica, carbonate, chlorite, and plagioclase. The carbonate is iron calcite probably and produces the spotted nature.
150 – 200m	Thin to thick bedded argillite-siltstone-quartzite with quartz and silty quartzite dominating. Green and grey in color. There are higher energy deposits (Hesd) within containing coarse-grained quartzites with copper sulphides as multiple horizons or strands within the sub-division. Some chlorite is present.
150 – 200m	Light colored grey and green quartzite and siltstone dominated with thin to medium to thick bedded intervals. Similar to Revett-style quartzites in part. Copper sulphides scattered through outcrops. Some light colored, massive alteration zones are present. Petrography on this type of alteration documents a uniform, bleached rock with quartz-mica-plagioclase and a low percentage of opaques. This rock is not typical of Middle Creston lithologies, it is highly altered.
250m+	Base not exposed. This is a distinctive medium to thick bedded, uniformly grey, clean Revett-style sequence. This would appear to be the best host for copper but lacks appreciable copper mineralization based on the outcrops viewed (less exposure than higher divisions).

The C2 covered by the mapsheet appears in a general way to be oxide facies to the south as characterized by blue-grey to mauve to purple rocks with hematite and magnetite. There is a transition to more reduced facies rocks as described above. Overall, it appears this area occurs along a redox front.

The small mag and VLF grid helped interpret some of the structure and defined some shallow conductors of possible interest. Overall the mag survey demonstrates that the prominent NNW trend of the rocks and faulting is correct with the C2 sequence relatively enriched in magnetite forming elongate panels. The mag also suggests there are northeast-oriented discontinuties. The VLF is more difficult to evaluate. The southeast part of the grid defines quite a wide zone of conductivity at a shallow depth. It appears to be present in both C2 and C3 rocks, crossing some of the fault system mapped to the southeast.

A cross-section (W – W') at a scale of 1:10000 is attached.

7.00 Summary and Conclusions for the 2016 Mapping Program

The geological mapping extended coverage for parts of the North, Middle and South blocks. It was also designed to gather more detailed information for all three blocks to enable planning for futher exploration. On the North and Middle sheets the mapping continued as 1:10000 scale work, while a portion of the South sheet was mapped at 1:5000 scale. We have advanced the property geologically on several fronts. Despite the lack of outcrop we can now define in a general way the presence of redox fronts – the presence of predominantly oxide facies changing to reduced facies across parts of the property. Mapping, petrography and consultation with outside experts on these deposits has allowed for determination of potentially important alteration, indicative of fluid flow which probably relates to the mineralizing process. The continued mapping confirms changes in the stratigraphy along the length (strike of the sediments) of the property as structures are crossed. The increased detail to the south at 1:5000 scale combined with a higher level of exposure provided an opportunity to better define a portion of the internal stratigraphy of the Middle Creston (C2).

The mapping of the last few years has established the stratigraphy and identified potential hosts for copper/silver as best can be done with the low percentage of outcrop for most areas on the property. The controls for mineralization are multi-fold but the principal targets are thicker sequences of quartzite dominated stratigraphy which show some relationships to redox fronts; alteration yielding a “bleached” massive rock composed of silica, micas and plagioclase lacking opaques; and a more pervasive/widespread chlorite, iron carbonate, sericite and pyrite form of alteration. The Silver Fox property has been prepared for drill testing of the Middle Creston (C2) stratigraphy. This should include testing of all segments of the C2 from the QP1 (quartzite package) just up section from the basal Lower Creston (C1) through to the QP4 located below the Upper Creston (C3). This drilling will entail at least five locations along the 35 kilometre length of the property.

8.00 Rock Geochemistry

Rock geochemical sampling was conducted in four principle areas on the property; Barkshanty, Yahk Ridge (includes Yahk River and Sunrise Fault areas), Ranger Lake, and Ward (see geochemistry maps in the Appendix), to try better determine areas of elevated copper within Creston Formation rocks. A total of 304 rock samples, comprised largely of representative composite samples with some minor selective grabs, were collected. All samples were analyzed by ICP-MS at Acme Labs in Vancouver for a 36-element package plus gold in ppb using a 15-gram sample size and aqua regia digestion. Sample results, locations, and descriptions, and rock geochemistry maps are included in the Appendix.

Geochemically anomalous values for copper, lead, and silver are based on a study of Creston Formation equivalent rocks in northwest Idaho (Gott et al., 1980) and shown below in Table 2.

Cu in rocks (ppm)			Pb in rocks (ppm)			Ag in rocks (ppm)		
Percentile distribution								
50th	75th	90th	50th	75th	90th	50th	75th	90th
8	20	45	10	28	301	0.2	0.5	0.9

Table 2 Anomalous values for Middle Creston rocks.

Correlations for copper in rocks collected in 2016 show a strong correlation between copper and silver with a moderate correlation for copper and bismuth.

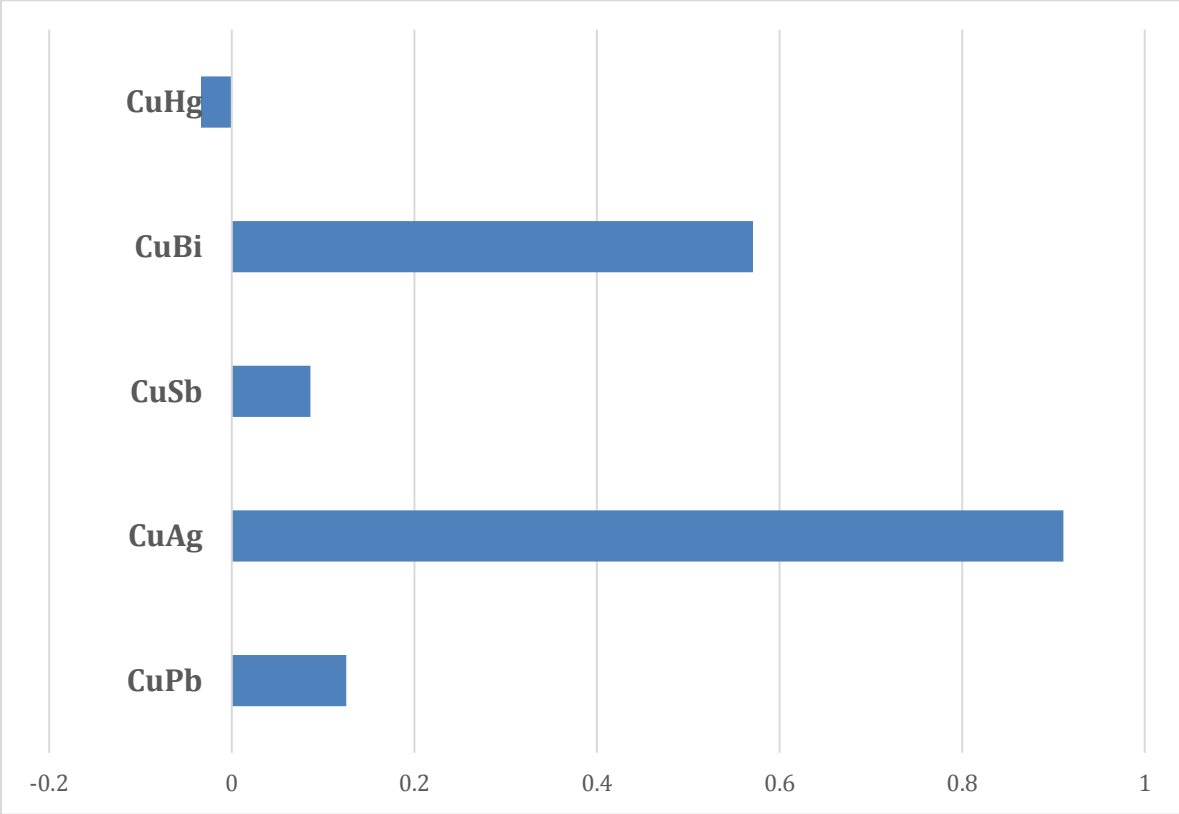


Table 3 Rock sample correlations.

A comparison between 51 rock samples collected from approximately the same stratigraphic intervals in the Yahk Ridge area and 142 samples from the Ward area reveals the following: The average copper value from Yahk Ridge was 3.4 ppm with a high value of 11.7 ppm, the average copper value from Ward was 57.3 ppm copper with 18 samples containing above 100 ppm copper. Lead values at Yahk Ridge averaged 7 ppm while at Ward they averaged 19 ppm with nine samples containing over 50 ppm (highest value of 288 ppm, TK16-56). Zinc values at Yahk Ridge averaged 34 ppm while at Ward they averaged 63 ppm with 32 sample containing over 100 ppm (highest value of 240 ppm, TK16-81).

In the Yahk River area of the center of the claim block numerous strata-bound horizons of green argillite with coarse grained sand lenses were found to contain copper mineralization. These horizons were typically bracketed by thick hanging and footwall

sequences of purple (oxidized) siltstone and argillite of the middle siltite sequence of the Middle Creston.

Rock sampling from the Sunrise Fault area (see Yahk Ridge area geochemistry maps in the Appendix) showed elevated values for copper, silver, and gold associated with both bedding parallel and northwest trending quartz veins/fractures hosted by what is likely the basal sequence of the upper quartzitic interval of the Middle Creston.

Eleven rock samples were collected from the Barkshanty area north of the St. Eugene/Jake Fault system in the northern portion of the claim block. These samples were primarily from quartzitic intervals in the lower portion of the Middle Creston. The average value for copper was from these samples was 46 ppm.

Rock sampling in the Ranger Lake area was chiefly in the Upper Creston Formation. Here copper occurs principally as chalcopyrite, occasionally with associated galena and pyrite, within sandy intervals in the dominantly argillaceous and silty unit, and also within narrow quartz-iron-carbonate veins. Chalcopyrite and or tenorite were also found in the occasional 50-300 cm wide coarse grained mud-chip breccia quartzites which occur as isolated units within the Upper Creston.

9.00 Summary and Conclusions from the 2016 Rock Geochemistry Program

Rock geochemical sampling indicates an enrichment of copper in the Ward Creek area within the upper portion of the Middle Creston. Sampling of the same stratigraphy in the Yahk Ridge area appears to show low, possibly depleted (?), values for copper. However, some of the lower stratigraphic intervals which host copper mineralization at Ward do not crop out in the Yahk Ridge area and were therefore not sampled.

Copper mineralization at Ward Creek is associated with a large (km scale) chlorite-Fe-carbonate +/-sericite and pyrite alteration zone developed in the upper portion of the Middle Creston near the hinge of a gently north plunging anticline. Copper mineralogy consists principally of primary chalcopyrite and secondary neotocite with minor malachite and azurite. Chalcopyrite dominantly occurs as blebs and rare clots within medium to thick bedded fine to medium grained quartzite units and within white joint-parallel quartz veins.

Across the property copper mineralization within the middle portion of the Middle Creston, including bornite, has been shown to develop in isolated coarse-sand lenses within narrow green argillite intervals principally near vertical redox boundaries. While these intervals can be mineralized along strike for km scale distances the thickness of these units may limit their economic potential.

Fracture copper mineralization (chalcopyrite/bornite) occurs south of the Sunrise Creek Fault and is associated with northwest trending quartz veins which cut mauve quartzites, argillites, and siltstones of the lower portion of the Middle Creston Fm.

The Barkshanty area shows an enrichment for copper and lead within a relatively thick quartzitic sequence in the lower portion of the Middle Creston proximal to the major northwest trending St. Eugene/Jake Fault system.

Samples from the Ranger Lake area indicate widespread copper with some elevated lead and silver in thin quartzitic intervals of the Upper Creston. These values may indicate a mineral zoning relative to other copper occurrences documented in the same stratigraphy to the south and north in previous programs. Whether this 'hangingwall' mineralization may be related to an opportunity in the Middle Creston is unknown.

10.00 Recommendations

Rock geochemsitry has demonstrated two areas of copper enrichment on the property at Ward and in the Barkshanty area. Mineralization at Ward is related to a large alteration system developed in the quartzitic upper part of the Middle Creston occurring near the hinge of a shallow north plunging anticline. Drilling is warranted to test the stratigraphic panel at Ward, likely down dip (north) of the current surface exposures to better define the width of the mineralized zone and determine if copper content is increasing towards an inferred east-west fault.

Additional ground work (prospecting and mapping) is needed in the Barkshanty area to determine the overall width of the mineralized sequence in the lower part of the Middle Creston for future drill test consideration.

While rock geochemistry shows a possible depletion in the uppermost quartzites of the Middle Creston at Yahk Ridge a stratigraphic drill test is warranted to test the entire quartzite sequence proximal to the northwest trending KRL Fault.

A stratigraphic drill test is also warranted near the Sunrise Creek Fault where a northwest trending fracture zone contains copper, silver and gold. This test should target the base of the Middle Creston Formation where copper has been found to occur in a quartzitic sequence immediately west of the property boundary near the headwater of Teepee Creek.

A stratigraphic drill test is warranted in the Ranger Lake area where widespread copper in the Upper Creston is associated with quartz-iron-carbonate veins and elevated lead and silver.

11.00 Statement of Costs

Exploration Work type	Comment	Days			Totals
Prospecting & Geochemistry					
Personnel (Name)/ Position	**Field Days**	**Days**	**Rate**	**Subtotal**	
Craig Kennedy/Prospector	Jun 27-29, Oct 23-27	8	$350.00	$2,800.00	
Tom Kennedy/Prospector	May 1, 2, 20, 24-27, Jun 12-18, 20-23-25, 26, Jul 7, 9, 10, 12-14, Aug 2, 27, 28, Sep 3, 21, 23-27, Oct 3, 4	39	$350.00	$13,650.00	
Mike Kennedy/Prospector	May 17, 18, 20, 24-27, Jun 12,-14, 16, 18, 20-22, Jul 7, 9, 10, 12-14, Aug 1, 2, 25, 26, Sep 13, 20, 23-27	32	$350.00	$11,200.00	
Sean Kennedy/Prospector	May 1, 2, 17, 18, 20, 25, 27, Jun 3, 7-10, 13-17, 20-22, 26-28, 30, Jul 2-4, 7, 9, 10, 12-16, Aug 1, 2, 4, 25, Sep 20, 23, 24, 26, 27, Oct 3, 4	46	$350.00	$16,100.00	
Chris Garda/Field Assistant	Jun 3, 7-10	5	$250.00	$1,250.00	
4X4 Truck		57	$150.00	$8,550.00	
ATV		23	$150.00	$3,450.00	
Misc. Field Supplies	IRL Supplies			$473.64	
				$57,473.64	**$57,473.64**
Geological Mapping					
Doug Anderson/Geologist Field Days	May 25, 28, Jun 2, 4, 5, 7, 9, 12-17, 25-27, 30, Jul 2, 4, 5, 7, 10, 12, 14, 26-28, 30, Aug 1, 2, 6, 9, 12, 17, 24, Sept 12, 15-17, 24, 27, 29, Oct 3	41	$500.00	$20,500.00	
Field Assistant		6	$200.00	$1,200.00	
Doug Anderson/Geologist Research & Plotting	Jun 3, 6, 8, 10, 11, 18, 24, 28, 29, Jul 1, 3, 6, 8, 9, 11, 13, 17, 21, 25, 29, 31, Aug 3-5, 10, 11, 15, 16, 21-23, 25-27, 29-31, Sep 1, 2, 6-8, 25, 26, 28, Oct 7, 9, 17, Nov 5, 6, Dec 15, 16	39.75	$500.00	$19,875.00	
Truck Rate		39	$75.00	$2,925.00	
Kilometers Charge		6545	$0.75	$4,908.75	
Map Production & Copies	Kevin Franck & Associates			$746.00	
Radio Rental	Kootenay Communications		$0.00	$256.80	
SPOT Tracker	Kootenay Communications		$0.00	$561.32	
				$50,972.87	**$50,972.87**
Geophysics Program					
BA Belton/MAG-VLF Equip. Operator & Rental	Jun 6-12, 14, 18-25, Aug 7-10, 15-18, 22-25, 30, 31, Sept 1-3, 8-12, 17-21	40.5	$450.00	$18,225.00	
Isaac Crombach/Field Assistant	Jun 7, 8, 10-12, 19-24	11	$250.00	$2,750.00	
Chris Garda/Field Assistant	Aug 8-10, 15-18, 22-25, 30, 31, Sep 1-3, 8-12, 17-20	25	$250.00	$6,250.00	
Truck Rate		39.5	$150.00	$5,925.00	
Fuel Charge				$1,667.43	
Meals & Accommodation	Various & Elizabeth Lk Lodge			$4,988.94	
Misc. Expenses				$208.34	
Dr. Fred Cook/Geophysicist	Processing of Data	12	$800.00	$9,600.00	
				$49,614.71	**$49,614.71**
Office Studies	**List Personnel**				
Database Compilation	Sean Kennedy	11	$350.00	$3,850.00	
Research & Program Planning	Craig Kennedy	13	$350.00	$4,550.00	
Report Preparation	Doug Anderson			$5,000.00	
Report Preparation	Sean Kennedy			$3,500.00	
				$16,900.00	**$16,900.00**
Geochemical Surveying	**Number of Samples**				
Rock	Acme Assays (incl freight)	304	$0.00	$10,238.28	
Petrology & Report	Vancouver Petrographics	13.0	$0.00	$2,959.00	
Petrology Freight	Greyhound		$0.00	$30.53	
				$13,227.81	**$13,227.81**
Program/Office Admin & Overhead					**$19,568.90**
TOTAL Expenditures					**$207,757.93**

12.00 References

Smith A. 1947 Geology Report on the Moyie Groups, St. Eugene Mining Corp., BCEMPR, A.R.00001, 6 pages.

Smith A. 1948 Magnetometer Report on the Moyie 1 – 6 Groups, St.Eugene Mining Corp., BCEMPR, A.R. 00041, 11 pages.

BCEMPR Property File – Falconbridge Files – St. Eugene Project. Internal reports 1930's and 1940's – several attempts at initiating exploration at the mine site.

1964 St. Eugene Mining Corp., Exploration at the St. Eugene Property, Moyie BC. Mapping and soil geochem grids, A. Burgoyne.

1965 St. Eugene Mining Corp., Summary Report of 1965 Exploration at St. Eugene Property, Moyie BC. Included trenching and diamond drilling on the Baltimore Claim. Trenching and road building at the Aurora.

Yeager D.A. 1983 Diamond Drilling and soil geochemistry on the Silver Pipe, Gulf International, BCEMPR, A.R. 10907.

Anderson D. and Schultze H.C. 1987/88 Rock Geochem of Well Cuttings from Well Hole d-8-c, Cominco Ltd., BCEMPR, two A.R. 16681 and 18128.

Stephenson, L. 1990 Mapping and Prospecting, Look property, Kokanee Exploration, BCEMPR, A.R. 20753.

Jackisch, I. 1990 Geophysical Report on the St. Eugene Mine property, Cominco Ltd., Utem grid and survey, BCEMPR, A.R. 20705, 24 pages.

Erdman, L.R. 1990 Geology and Soil Geochem Survey on the Beach Group of claims, Noranda Mining and Exploration Inc., BCEMPR, A.R. 20483, 40 pages.

Ransom, P.W. 1992 Geochemistry Report on the Cherry Claims, Cominco Ltd., BCEMPR, A.R. 22503, 17 pages.

Stephenson, L. 1999 Magnetometer and VLF Survey, Erin Property, Kokanee Exploration, BCEMPR, A.R. 25799.

Stephenson, L. 1999 Magnetometer and VLF Survey, DEK Property, Kokanee Exploration, BCEMPR, A.R. 26018.

Kennedy, C. 2005 Prospecting, Silver Pipe Property, BCEMPR, A.R. 28069.

Klewchuk, P. 2005 Geophysics Report on the 505101 Claim, St. Eugene Property Mining, BCEMPR, A.R. 27805, 10 pages.

Klein, J. 2006 Airborne EM and Mag Survey on the Moyie Lake and Monroe Lake Grids, St. Eugene Mining, BCEMPR, A.R. 28450, 41 pages.

Klewchuk, P. 2007 Diamond Drilling Report on the Society Girl, St. Eugene Mining, BCEMPR, A.R. 29290, 29 pages.

Klewchuk, P. 2007 Diamond Drilling Report on the Moyie Lake property (Aurora), St. Eugene Mining, BCEMPR, A.R. 29809, 17 pages.

Klewchuk, P. 2008 Diamond Drilling Report on the North Structure Area, St. Eugene, St. Eugene Mining, BCEMPR, A.R. 29810, 33 pages.

Kennedy, C. 2008 Prospecting around the KRL Property, BCEMPR, A.R. 29609

Pighin, D.L. 2009 Geological Mapping, Silver Pipe and KRL Properties, Grandeur Resources, BCEMPR, A.R. 30660.

Kennedy, S. 2010 Prospecting, KRL Property, Kootenay Gold, BCEMPR, A.R. 31658.

Hoy, T. 2011 Geological Mapping and Rock Geochem, Silver Fox Property, Kootenay Gold, BCEMPR, A.R. 32645

Kennedy, C. 2012 Prospecting, Silver Fox Property, Kootenay Silver, BCEMPR, A.R. 33261.

Anderson, D. 2012 Geological Mapping, Silver Fox Property, Kootenay Silver, BCRMPR, A.R. 33379.

Hoy,T. and Diakow,L. 1979-1980 Geology of the Moyie Lake Area, Preliminary Map #49, BC Ministry of Energy and Mines, Scale 1:50000.

Brown, D. 1998 Geoscience Map 1998-3 Geological Compilation of the Grassy Mountain (E half) and Moyie Lake (W Half) Scale 1:50000.

Hoy, T. 1993 Bulletin 84, Geology of the Purcell Supergroup in the Fernie W-Half Map Area, Southeast BC; BCEMPR, 157 pages.

Anderson D. and Schultze H.C. 1987/88 Rock Geochem of Well Cuttings from Well Hole d-8-c, Cominco Ltd., BCEMPR, two A.R. 16681 and 18128.

Winston,D. Upper Belt-Purcell Stratigraphy, A Guide prepared for Field Trip #3, Metallogeny of the Belt-Purcell Basin, Workshop at Cranbrook,1994.

Price,R.A. The Precambrian Purcell System in the Rocky Mountains of Southern Alberta and British Columbia; Bulletin of Canadian Petroleum Geology, Volume 12, Pgs. 399-426. 1964

Winston, D. 1986a Stratigraphic correlation and nomenclature of the Middle Proterozoic Belt Supergroup, Montana, Idaho and Washington in S.Roberts (ed.), Belt Supergroup: A Guide to Proterozoic Rocks of Western Montana and Adjacent Areas: Montana Bureau of Mines and Geology Special Publication 94, Pgs.69-84.

Winston, D. 1986b Sedimentology of the Ravalli Group, middle Belt carbonate and Missoula Group, Middle Proterozoic Belt Supergroup, Montana, Idaho and Washington: in S. Roberts(ed.), Belt Supergroup: A Guide to Proterozoic Rocks of Western Montana and Adjacent Areas: Montana Bureau of Mines and Geology Special Publication 94, Pgs. 183-195.

Gott, G.B., Cathrall, J.B. 1980 Geochemical exploration studies in the Coeur d'Alene district, Idaho and Montana: Unites States Geological Survey Professional Paper 1116

Appendices:
Statement of Qualifications

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.

I, Sean Kennedy, certify that:

1. I am an independent prospector residing at 107 6th Ave, Kimberley, BC.

2. I have been actively prospecting throughout BC, Nevada, and Mexico for the past 18 years

3. I have been employed as a professional prospector, field mapper, and project manager by junior mineral exploration companies

4. I own and maintain mineral claims in BC.

I, **Frederick A. Cook** do hereby certify that:

I attained the degree of Doctor of Philosophy (Ph.D.) in geophysics from Cornell University in Ithaca, New York in 1981.

I have a B.Sc. in geology (1973) and an MSc. in Geophysics (1975) from the University of Wyoming in Laramie, Wyoming.

I am a registered member of the Association of Professional Engineers and Geoscientists of British Columbia (P. Geo. 2009). Previously, from 1984-2009, I was registered with the Association of Professional Engineers, Geologists and Geophysicists of Alberta as both a P. Geol. and a P. Goph.

I am a member of the American Geophysical Union and the Geological Society of America.

I have worked as a geophysicist/geologist for a total of 42 years since my graduation from university.

I have worked for the Continental Oil Company (1975-1977) and the University of Calgary (1982-2010).

I was the Director of the Lithoprobe Seismic Processing Facility at the University of Calgary from 1987-2003.

I have recently (2011) been appointed an International Consultant for the Chinese SinoProbe project.

I was honoured by the Canadian Geophysical Union with the J. Tuzo Wilson Medal in 2011.

I have a thorough knowledge of the geology and geophysics of southern British Columbia based on extensive geological and geophysical fieldwork.

I have authored more than 125 scholarly publications in peer-reviewed journals and books.

I am the author of this report.

"signed and sealed" at Salt Spring Island, B.C.

Frederick A. Cook, P. Geo.
Salt Spring Imaging, Ltd
128 Trincomali Heights
Salt Spring Island, B.C. V8K1M8

Dated at Salt Spring Island, B.C. this 11th day of February, 2017

Registration License No. 34585
Association of Professional Engineers and Geoscientists of British Columbia

Report on the Acquisition, Processing and Analysis of Ground-Based magnetic and VLF-EM Data, Yahk Mountain and Ward Creek areas, Silverfox Property, Southeastern British Columbia

Frederick A. Cook, PhD, P. Geo

Salt Spring Imaging, Ltd.
Salt Spring Island, British Columbia

Introduction

The purpose of this report is to describe the acquisition, processing and analyses of two ground-based geophysical surveys on the Silverfox Property in southeastern British Columbia that were carried out in Summer, 2016. The areas are known as the Yahk Mountain and Ward Creek areas on the eastern flank of the Moyie anticline (Figure 1) and contain a number of showings that have anomalous copper and other base metals. The showings occur primarily in the Creston Formation of the Belt-Purcell Supergroup and may represent a northern equivalent to the western Montana copper belt in the Revett Formation in the United States.

Data Acquisition

General

Data were recorded in a series of field programs and were reduced and analysed for the presentations here. All of the data were recorded with a Gem Systems GSM-19 magnetometer and VLF instrument (Gem Systems, Inc., 2008). All of the units used are metric.

Yahk Mountain

The Yahk Mountain data (Figure 1) were recorded in June, 2016 as a series of more-or-less continuous lines. There were no VLF data recorded along these lines; hence the data were recorded relatively quickly with closely spaced readings along each line. Magnetic and GPS data were recorded at periodic intervals (typically 1 second) along each line; this resulted in readings approximately every 1-2m. Lines were space approximately 200m apart and there were 23 lines oriented northeast-southwest (Figure 2a). In addition to the recordings along the lines, a base station was set up to record diurnal variations which thus allowed diurnal corrections to be applied to each reading.

Ward Creek

The Ward Creek data were recorded in four separate intervals in August and September, 2016. There were 20 east-west lines recorded; magnetic data were recorded along all of the lines, whereas VLF-EM data were recorded on the 16 southern lines. Thus, the northern four lines only had magnetic data recorded.

For the northern four lines in the Ward Creek area, the magnetic data were recorded in a similar manner to the data acquisition in the Yahk Mountain recordings, with readings taken approximately at 1 second intervals, resulting in a station spacing of 1-2 m. The line spacing is 200m.

The southern 16 lines (lines 4600 through 7600; Figure 2b) had both magnetic and VLF-EM data recorded at each station. Stations were located 12.5 m apart and lines were spaced 200m. For these lines, GPS readings were taken at 100m intervals (every 8 stations) and signals from three distant VLF stations were recorded. The stations used were usually Cutler, Maine (NAA, 24000 Hz), Seattle, Washington (NLK, 24800 Hz) and LaMoure, North Dakota (NML, 25200 Hz); azimuths to each of these are shown on Figure 2b.

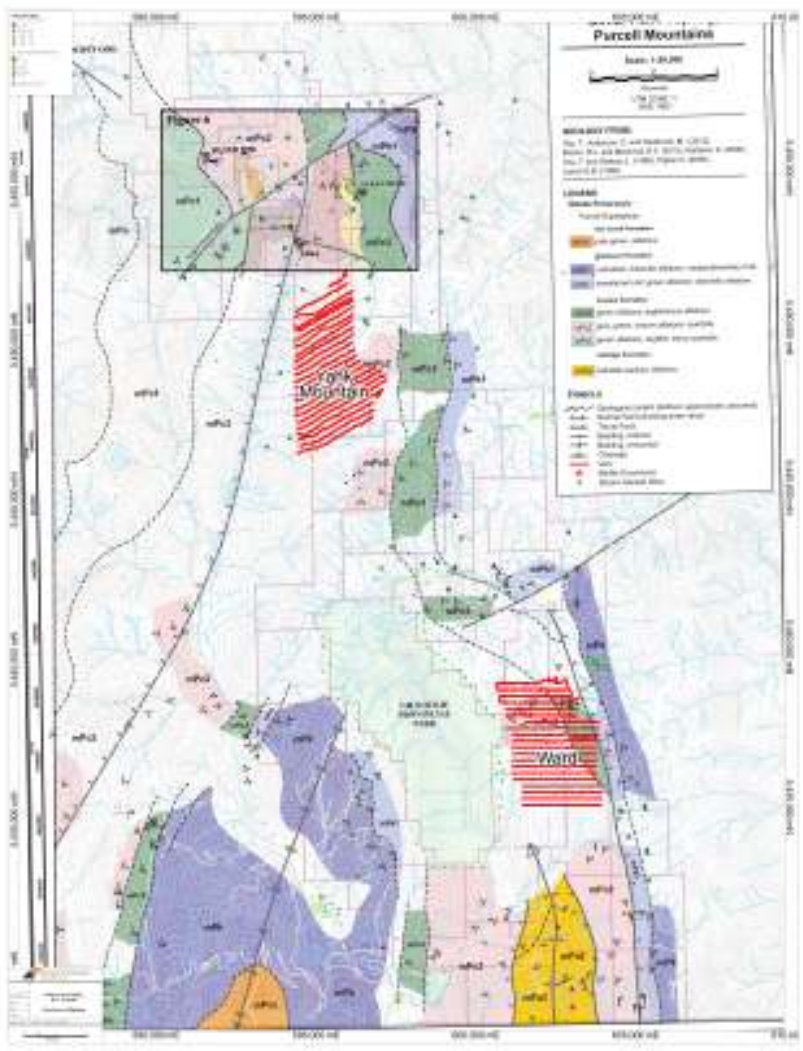


Figure 1. Geological map of the eastern flank of the Moyie anticline showing the Yahk mountain and Ward Creek areas (red lines).

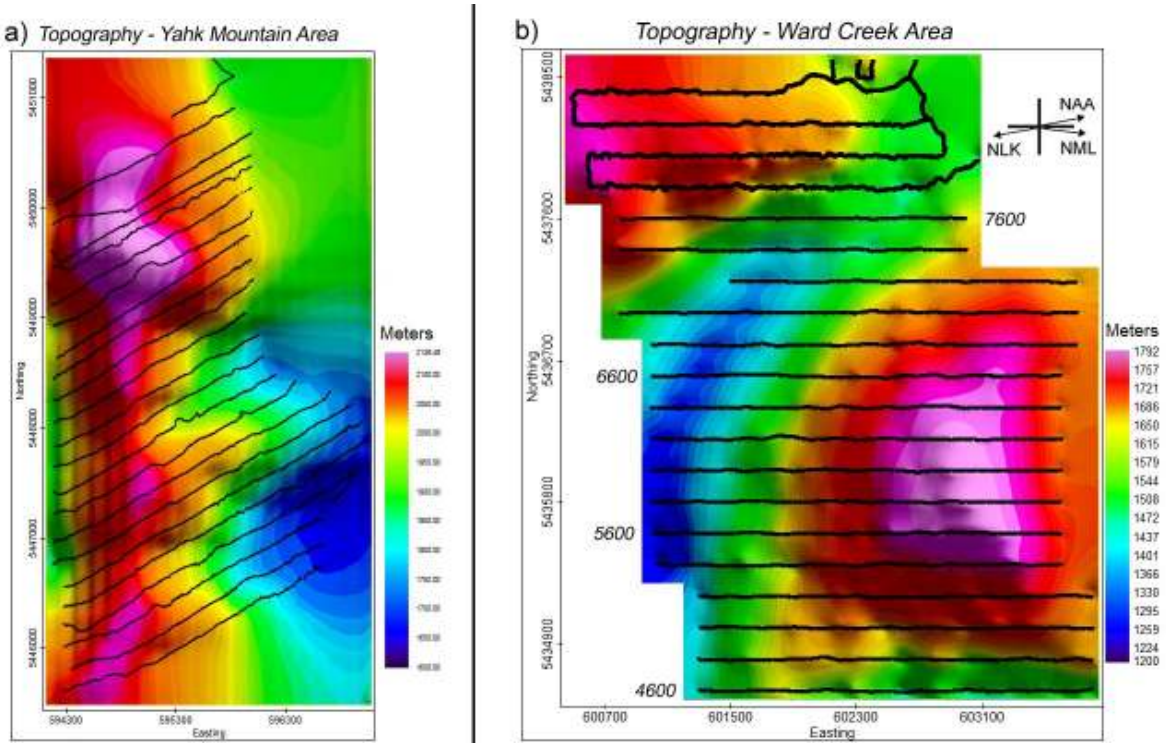


Figure 2. Maps of the topography in the Yahk Mountain area (a) and Ward Creek area (b). Black lines are the recorded lines.

Data Processing and Results: Magnetic Data

Processing: Both Data Sets

Data processing for the magnetic measurements was similar for each of the areas. Data were first corrected for diurnal variations using the base station recordings and were then gridded with 50m grid spacing. Then, for the days that recordings took place, an average of the regional Earth's field (International Geomagnetic Reference Field, or IGRF) was calculated and gridded to the same 50m grid as the data so that the calculated IGRF could be removed at each grid point. Following the removal of the IGRF, the data were reduced to the North Pole (RTP). Subsequent processes were applied to the reduced-to-pole data.

Results: Yahk Mountain Magnetic Data

The results of processing the magnetic data from the Yahk Mountain area are shown in Figure 3. Figures 3a and 3b show the results after corrections and reduction to the pole. Figure 3b includes an overlay of the line locations. Throughout the map, particularly noticeable in Figure 3a, there are small (short-wavelength) point-like anomalies. These are apparently local station-to-station variations that are not likely related to significant

magnetic variations in the subsurface. Figure 3c shows the results after application of a smoothing filter. In this case, the filter was an upward continuation of two (2) grid values (100m). The resulting map shows much reduced local station-to-station 'noise'.

Finally, the map in Figure 3d is the data set in Figure 3c after application of the tilt angle. The tilt angle is an effective means to map structural variations as well as to enhance low amplitude signals. Both of these effects are apparent in Figure 3d. First, linear magnetic trends are observed that strike north south (approximately along UTM easting = 594500) and a series of northwest-southeast features that strike about 295^{o} (or 115^{o}). Second, a number of anomalies, particularly in the southern half of the map, are more prominent than they are on the data prior to applying the tilt angle (Figure 3c).

Results: Ward Creek Magnetic Data

The results of processing the magnetic data from the Ward Creek area are shown in Figure 4. They are similar to the Yahk Mountain data in that the reduced-to-pole results (Figures 4a and 4b) display similar point-like anomalies that are most likely station-to-station noise. Application of a 100m upward continuation filter is effective for smoothing the anomalies (Figure 4c). This is particularly important to apply prior to the tilt angle because the tilt angle tends to equalize amplitudes, whether the amplitude variations are associated with noise or not.

Figure 4d shows the map after application of the tilt angle. In this map, there is a strong. Linear trend (orientation ~320^{o} or 140^{o}) throughout the map, with some less obvious east-west trends (e.g., near UTM northing = 5345000).

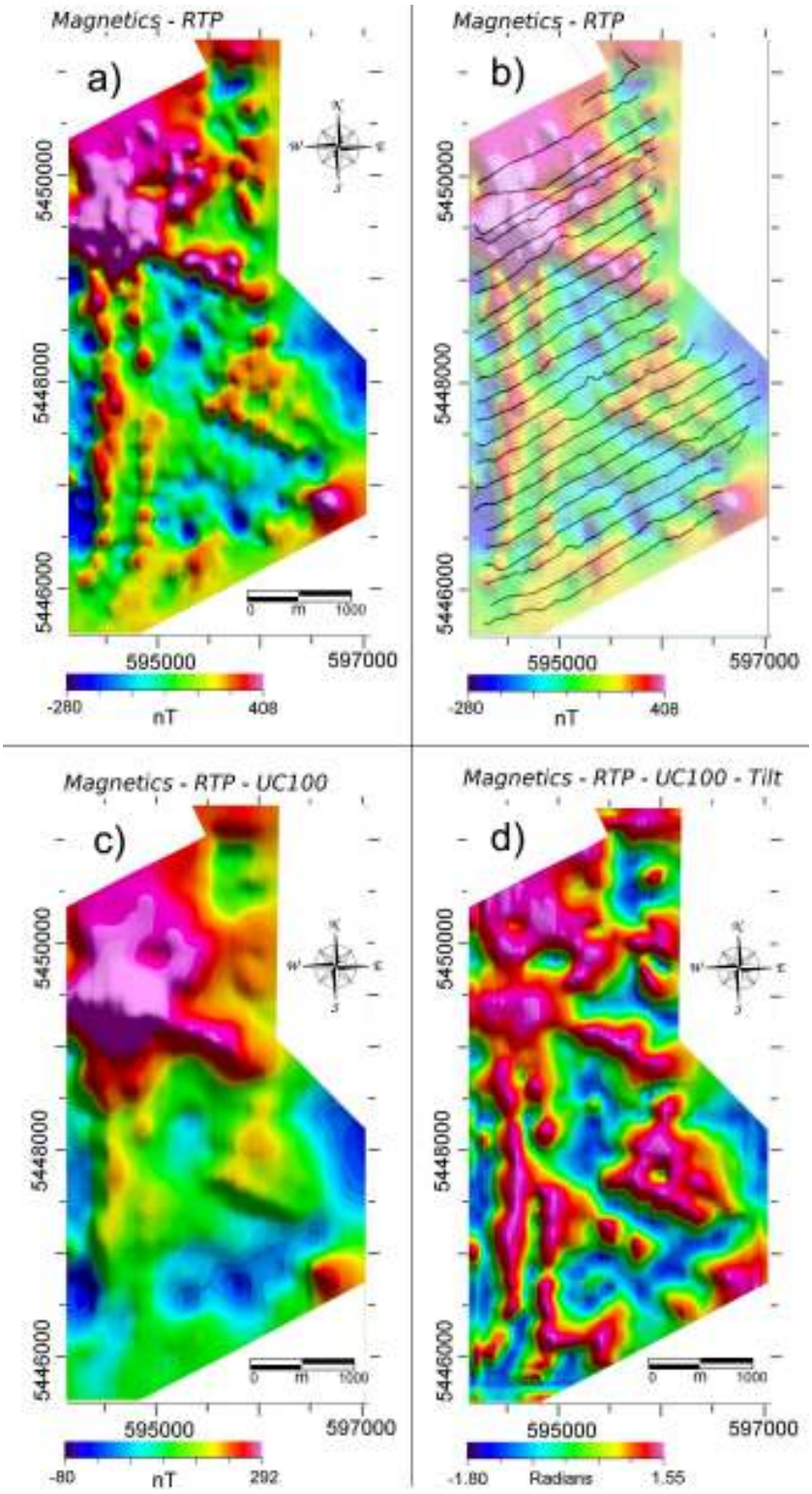


Figure 3. a) Magnetic anomalies for the Yahk Mountain area. High frequency point-like variations are likely near-surface, instrument, and minor diurnal effects. Note that masks (white areas) are applied where there are no data; b) same as (a) with the lines shown; c) after application of a 100m upward continuation filter; d) after application of the tilt angle.

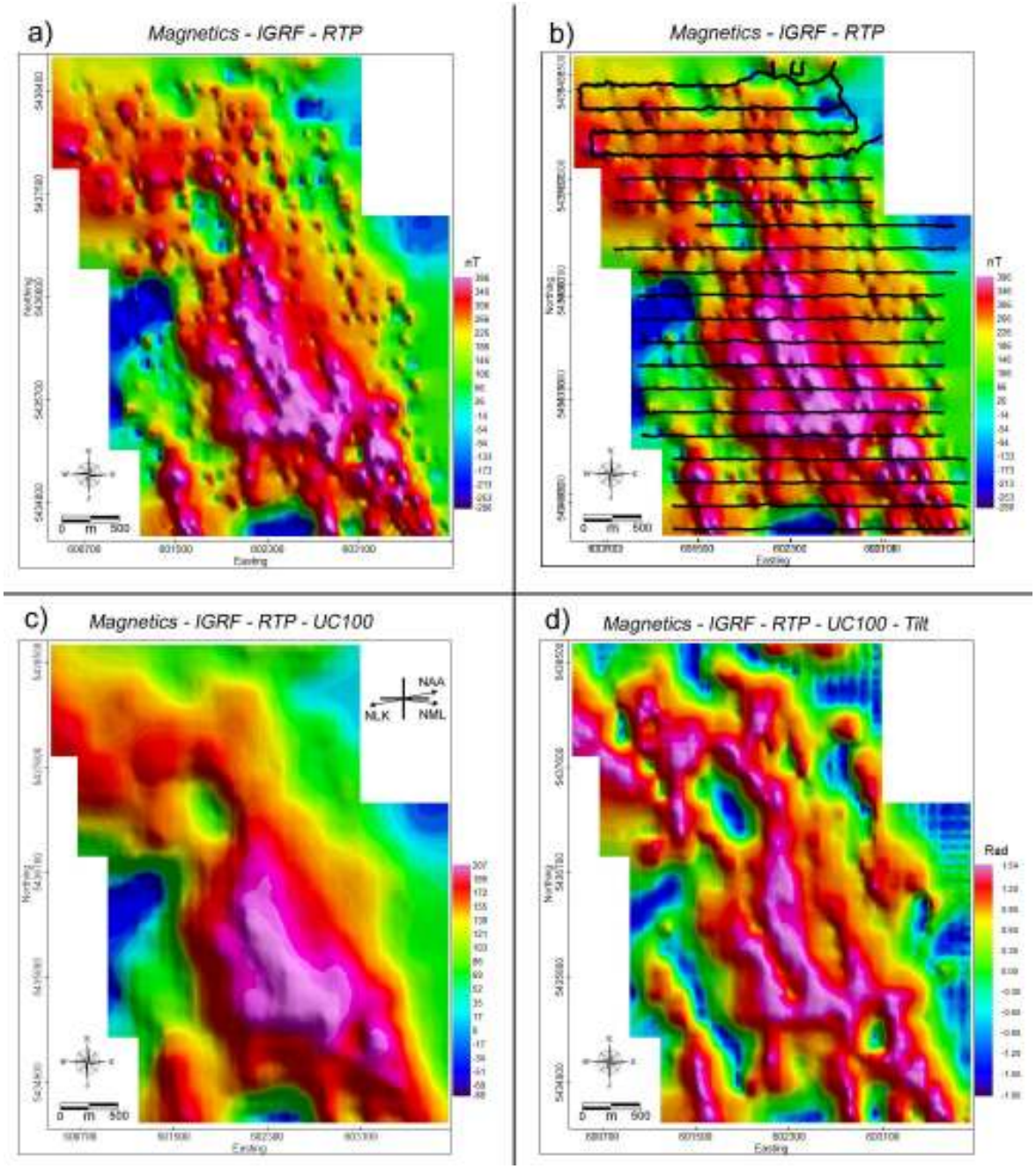


Figure 4. a) Magnetic anomalies for the Ward survey area. The high frequency variations are likely near-surface, instrument, and minor diurnal effects. Note that masks (white areas) are applied where there are no data; b) same as (a) with the lines shown; c) after application of a 100m upward continuation filter; d) after application of the tilt angle.

Data Processing and Results: Ward Creek VLF-EM Data

Data Processing

VLF-EM data for the 16 lines (lines 4600 through 7600) in the Ward area were processed in the following way. First, the GPS elevation and horizontal positioning were calculated for all of the stations that were not at the 100m positions. Next, because the lines were recorded with alternate direction (e.g., west to east, then east to west, etc.), the line orientations were standardized to west-east. At the same time, duplicate stations were edited. The data that were recorded along lines 4600 through 7600 for the Seattle (NLK) and Cutler, Maine (NAA) transmitters are shown in Figure 5.

Some adjustments and filtering were necessary before inversions could be attempted. First, and most obvious, is that there are occasional 'spikes' in the signal (e.g., Line 5400 near 2300m distance, Figure 5b). These can not be realistic responses from geological variations in the subsurface for two reasons: 1) their magnitudes (up to 200%) are several times normal variations, and 2) they are single point variations. These spikes were removed prior to any additional processing. This noise permeated data from the NML (LaMoure, North Dakota) transmitter; thus, data from NML were not used for inversions.

Some profiles appear to display a polarity shift in the signal midway along the line (e.g., Line 4600, NAA transmitter, Figure 5b). Similarly, results can be compared from one line to another. For example, when line 5200 (Figure 6a) is compared with Line 5600 (Figure 6a and 6c), it appears that the data from Line 5600 appear to show a polarity reversal, particularly on the horizontal components (Figure 6d).

The most likely reason for polarity shifts is that the recording took place near the azimuths to the transmitters where polarity of the field changes (see Figure 2). This effect was first described by Bozzo et al. (1994). To alleviate the problem, IP and OP curves need to be adjusted (e.g., reversed in polarity) from the position where the shift occurs. In the case shown (Figure 6), the polarity was reversed on the eastern half (right side) of line 5600 prior to inversion.

Once the data spikes and polarity inversions were addressed, each line was filtered prior to application of the inversion procedure. Filtering was done with the Empirical Mode Decomposition (EMD) technique (Jeng et al. 2007). An example of the application is shown in Figure 7. Here, unfiltered data from line 5600 (Seattle, Washington transmitter, NLK) are shown at the top of each column. Note two important characteristics that need to be considered during filtering. First, there is high frequency 'chatter' along the entire line. This is true for virtually all of the lines in the grid and represents high frequency station-to-station noise that should be attenuated prior to inversion.

Second, the long wavelength component of the signal causes the profile (particularly the red, or in-phase data) to be shifted off of the horizontal axis. This can be cause by: 1) a general displacement of the signal by some unspecified low-frequency noise, or, 2) a broad or deep conductivity variation that is difficult to delineate. Figure 7 shows two

possible filtering approaches, one (left column) in which the broad, low frequency signal is left in the profile for inversion, and a second (right column) in which the low frequency component is removed or attenuated before inversion. Figures 7c and 7f show the results with the curves labelled 'calculated IP' and 'calculated OP' are curves that were calculated after the inversion procedure in order to compare the results to the input data. The RMS fit value for the convergence is shown in the lower left of Figures 7c and 7f. For the data with the long wavelength component (Figure 7c). the RMS fit is 9.9%, whereas for the filtered version (Figure 7f) the RMS is 3.6%, indicating a better fit (compare also Figures 7b and 7e). In most cases, the result with the better fit (lower RMS) is considered a better result, but it is important to realize that the better fit in this case also reduces the ability to delineate deep conductivity variations.

The inversions were accomplished with software from EMTOMO and follow methods described in Monteiro-Santos et al. 2006). For all calculations, the background resistivity was set to 1000 Ohm-m (conductivity = 1 mS/m) and smoothed topography was included in the inversions. In the display, a maximum value of 10 mS/m is assigned for contouring; thus all of the red zones have calculated conductivities greater than or equal to 10 mS/m.

Results: Ward Creek VLF-EM Data

Results of the inversions of the processed data are shown in Figure 8. The lines are displayed with images on the left side of the figure from the NLK (Seattle) transmitter and the images on the right side of the figure from the NAA (Cutler, Maine) transmitter. In addition, they are plotted so that they are approximately in their proper relative positions from north to south. For example, line 7200 is offset slightly eastward from Lines 7400 and 7600, and so on.

The inversion results are only dependable to about 100-150 m depth. Where the topography is high (e.g., on the right sides of lines 5800 thru 7200), the sections are contoured to as much as 300-400m below the crest of the hill due to the elevation differences across the section. In some areas, such as beneath the hill on Line 6000 NLK, the contours widen and appear to show elevated conductivity to as much as 400m below the crest of the hill. This is likely a contouring artefact due to the lack of information below 100-150m (because the EM signal is attenuated).

Some anomalies are identified with numbers (e.g. 1. 2, 3 or 4) for ease of discussion. For example, anomaly 1 is located on lines 7400 and 7600. It spatially correlates with a zone of anomalous Cu-Ag-Pb as indicated on the simplified geology map (Figure 1). It appears to be present on both Line 7400 and 7600 indicating it may be at least 200m long along strike, but is open to both the north and south. Anomaly 2 is located on the west flank of the southern topographic high on Line 7400 and may delineate a zone of elevated conductivity that can be followed southward into anomaly 3, and eventually to anomaly 4.

The anomalies identified here as well as others that are not numbered appear to define several zones of elevated conductivity in the upper 100-150m of this region.

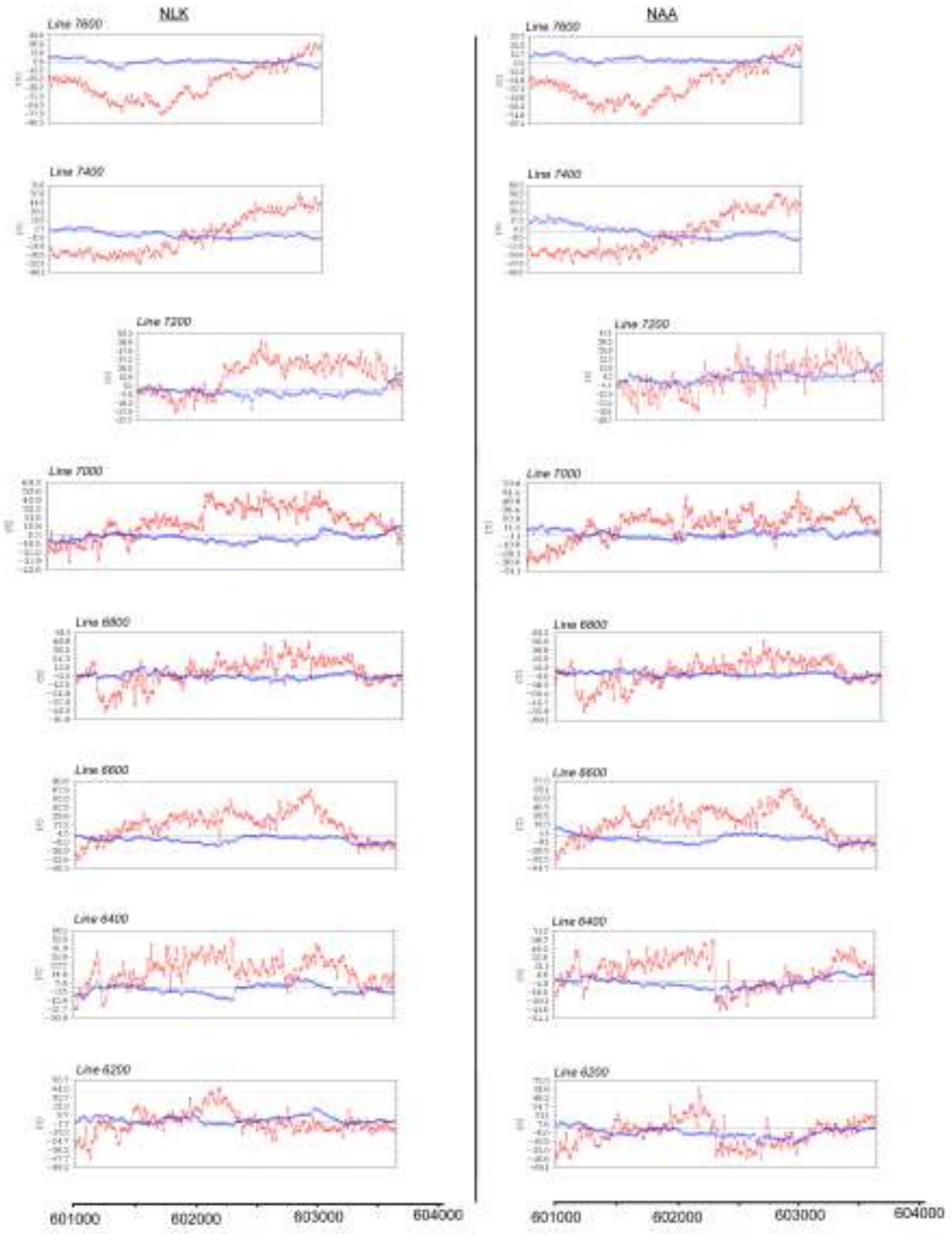


Figure 5a. Recorded VLF data for the Ward data (lines 6200 through 7600). Measurements from the Seattle (NLK) transmitter are shown on the left, and results from Cutler, Maine (NAA) are shown on the right. The northernmost lines are at the top of the figure and the images are scaled with UTM easting values shown at the bottom of the figure.

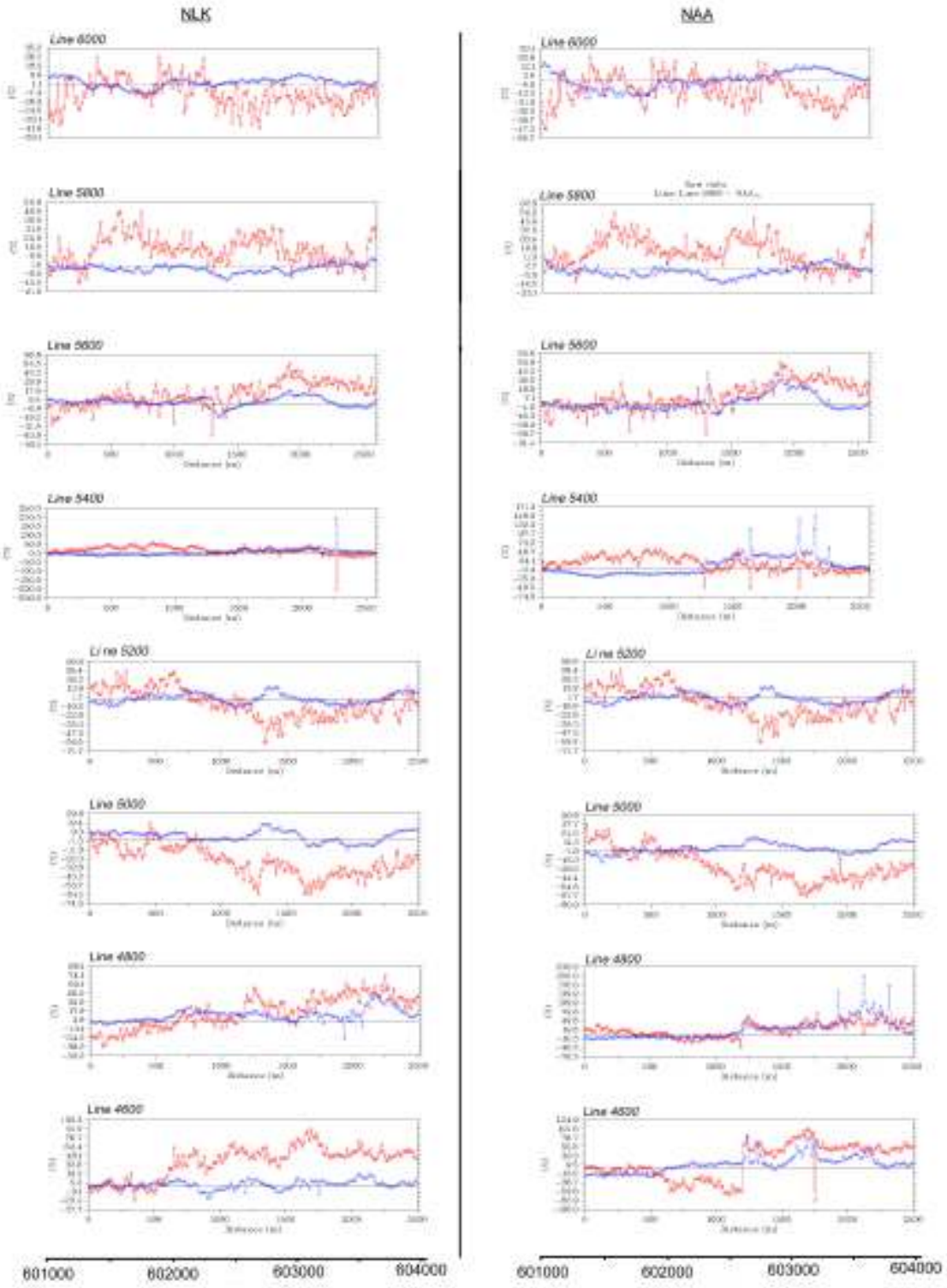


Figure 5b. Recorded VLF data for the Ward data (lines 4600 through 6000). Measurements from the Seattle (NLK) transmitter are shown on the left, and results from Cutler, Maine (NAA) are shown on the right. The southernmost lines are at the bottom and the images are scaled with UTM easting values shown at the bottom of the figure.

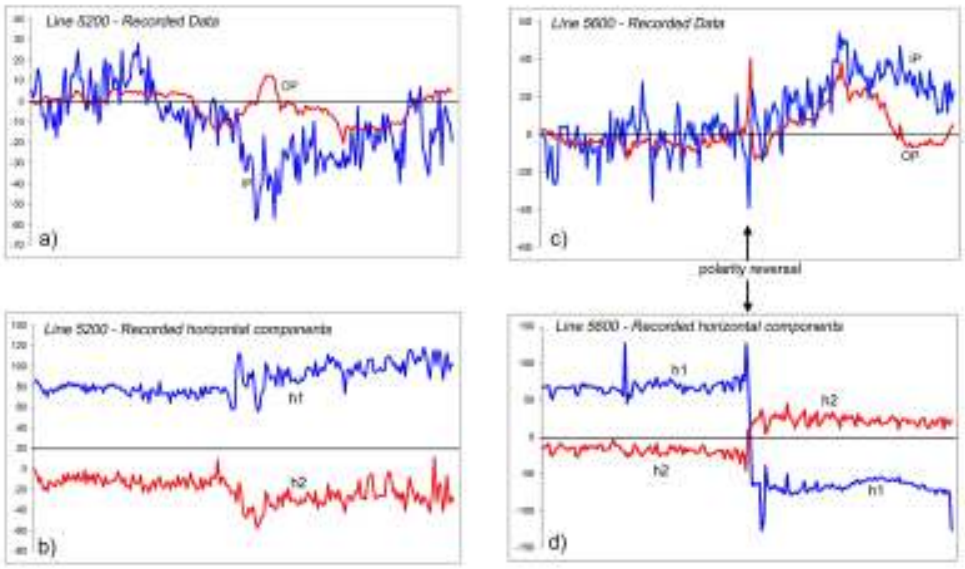


Figure 6. Data from VLF Line 5200 (a, b) and 5600 (c, d). Top graphs are the recorded in-phase (IP, blue) and out-of-phase (OP, red) signals, whereas the lower graphs are the two horizontal components. Note the polarity shift in the centre of line 5600 data (d). In this figures, east is on the right.

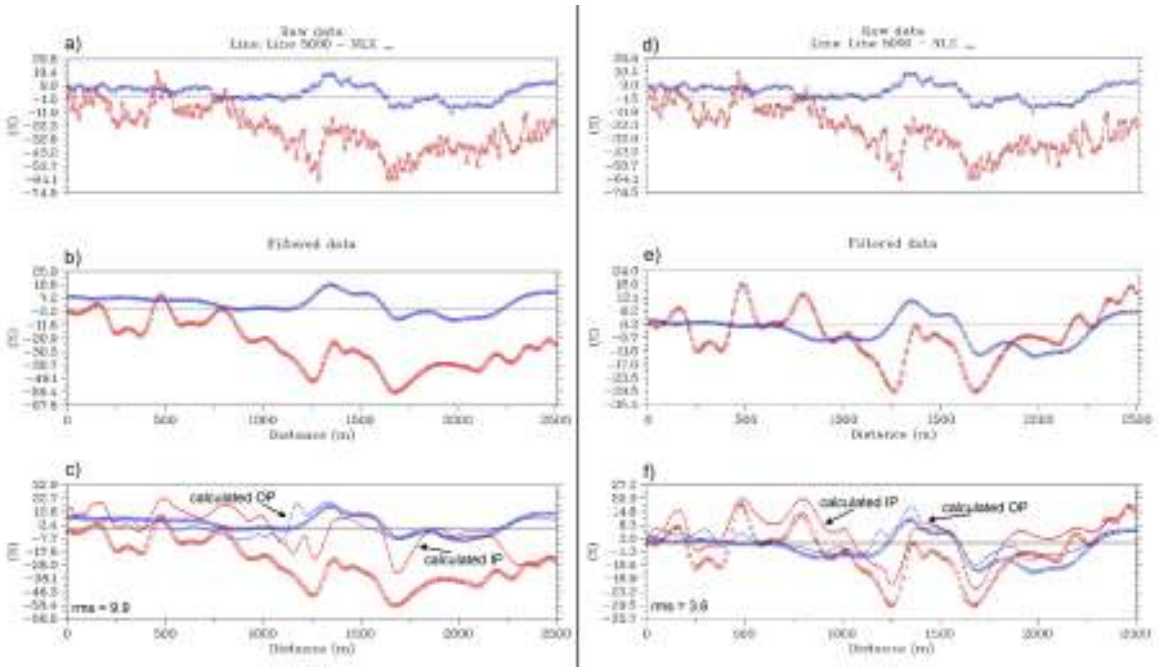


Figure 7. Illustrations of filters and calculated responses. Data (IP, red and OP, blue) from Line 5000 are shown (a, d). In the middle graphs (b, e) filtered versions are shown that remove only the short wavelength chatter (left) and both the short wavelength chatter and a long wavelength shift (right). In the lower graphs, the calculated responses are shown with thin lines; the better fit (lower RMS value) is achieved with removal of the long wavelength component.

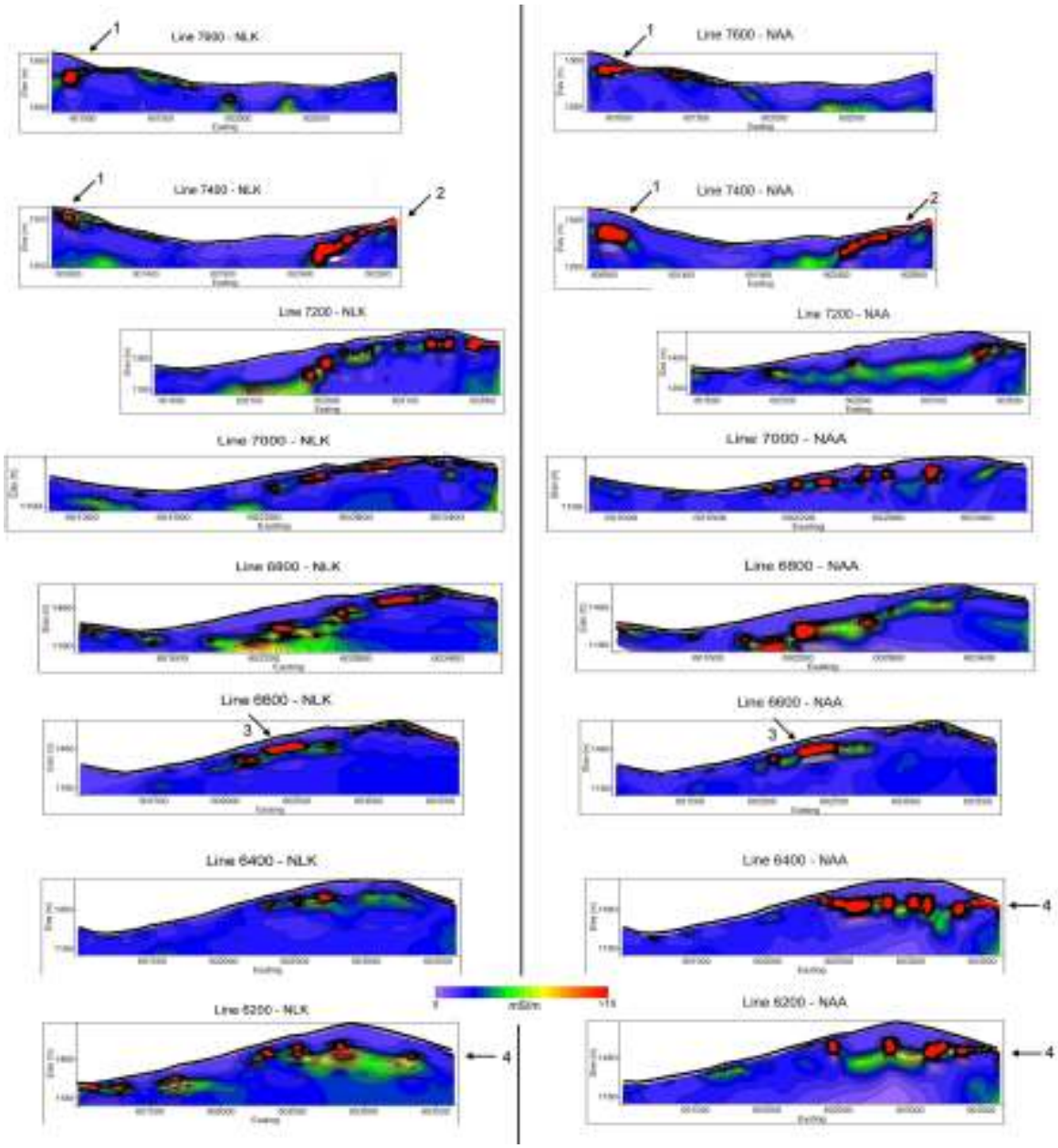


Figure 8a. Plots of the VLF inversions for the Ward data (lines 6200 through 7600). For each of the profiles, the results from the Seattle (NLK) transmitter are shown on the left, and the results from the Cutler, Maine transmitter (NAA) are shown on the right.

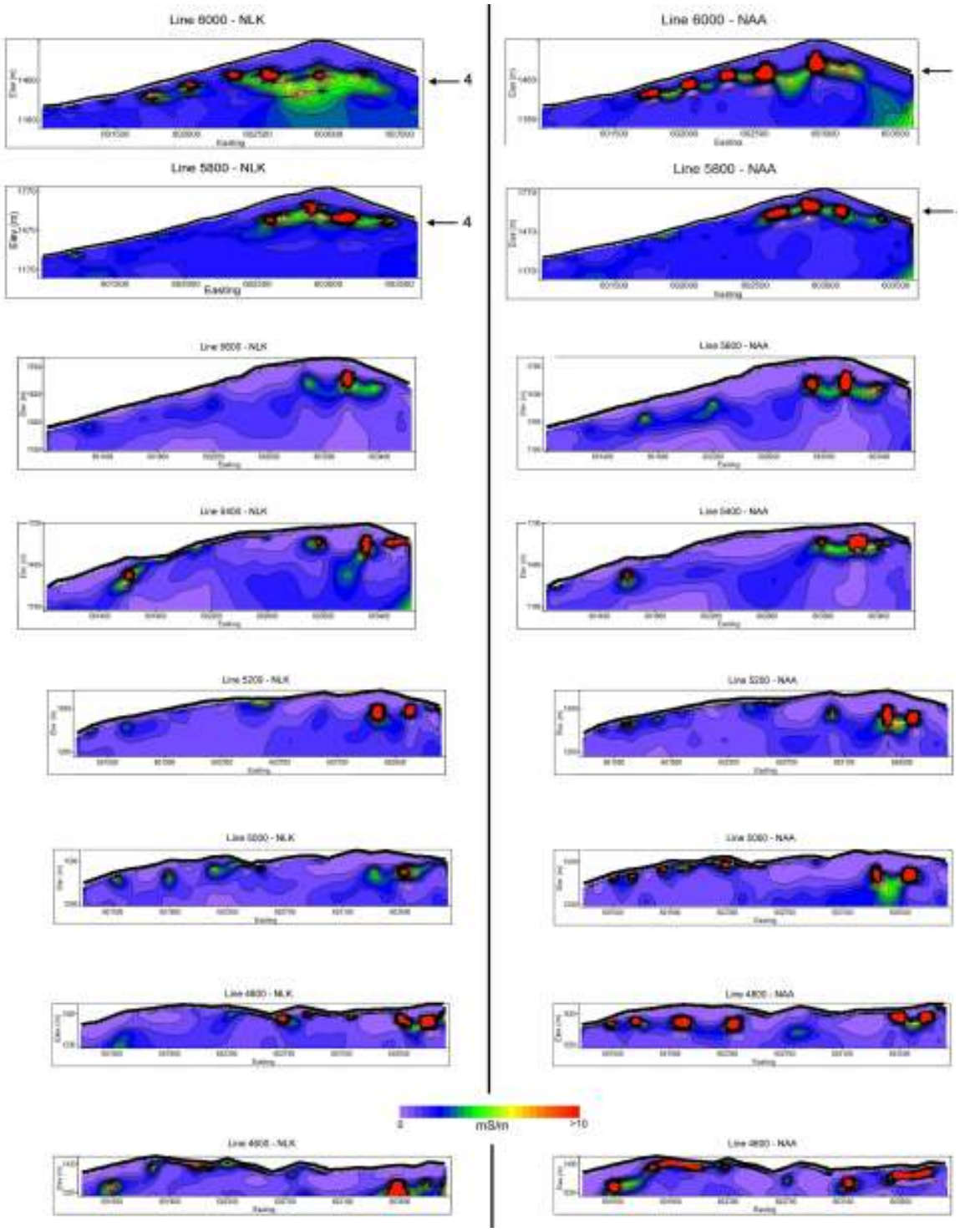


Figure 8b. Plots of the VLF inversions for the Ward data (lines 4600 through 6000). For each of the profiles, the results from the Seattle (NLK) transmitter are shown on the left, and the results from the Cutler, Maine transmitter (NAA) are shown on the right.

Summary and Conclusions

Acquisition, processing and analyses of ground-based magnetic data and VLF-EM data (with inversions) provide detail on near-surface magnetic and electrical conductivity variations. Following corrections to the magnetic data for diurnal and regional Earth field variations, the magnetic data appear to delineate a number of structures that may be relevant to concentrations of metals in the near surface.

After the VLF-EM data were filtered for single-station 'spike' noise and high frequency 'chatter' the signals were inverted to provide an initial view of electrical conductivity variations in the near subsurface.

References

Bozzo, E., S. Lombardo, and F. Merlanti. 1994. VLF prospecting: Observations about firld experiments, Annali di Geophysica, v. 37, p. 1215-1227.

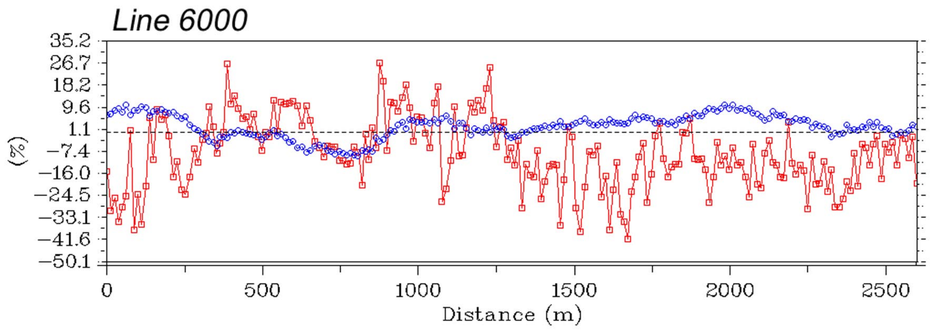
Gem Systems,Inc. 2008. GSM 19 v7.0 Instruction Manual, 149 pp.

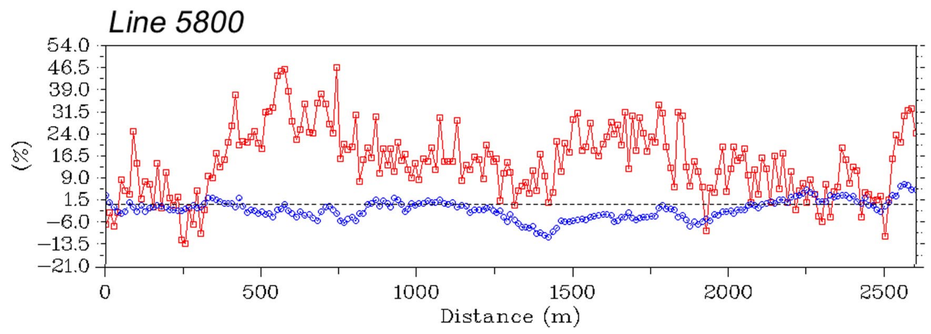
Jeng, Y., Lin, M-J., Chen, C-S., Wang, Y-H. 2007. Noise reduction and data recovery for a VLF-EM survey using a non-linear decomposition method, Geophysics, v. 72, 223-235.

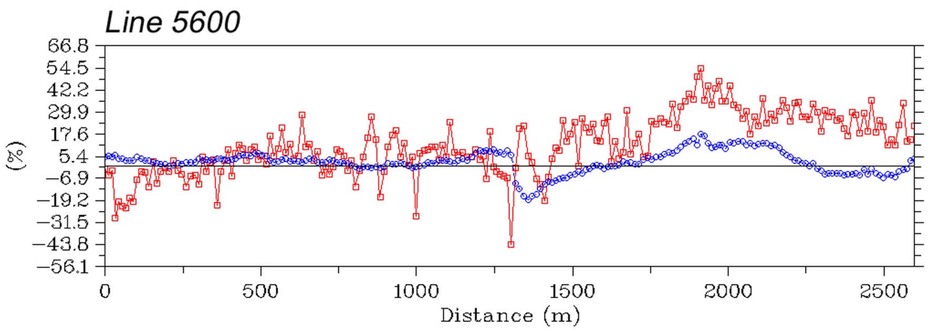
Monteiro-Santos, F., A. Mateus, J. Figueiras, and M. Goncalves. 2006. Mapping groundwater contamination around a landfill facility using the VLF-EM system, J. Applied Geophysics, v. 60, 115-125.

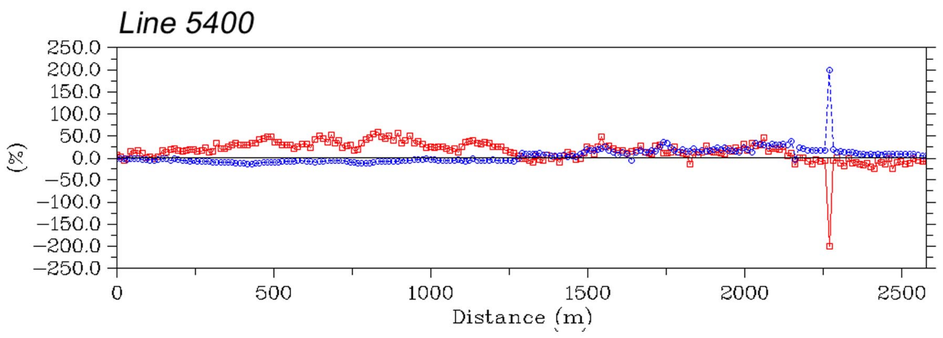
Recorded Data

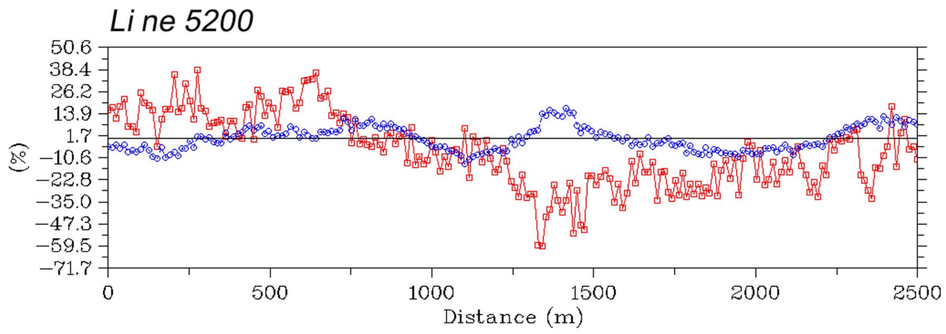
NLK

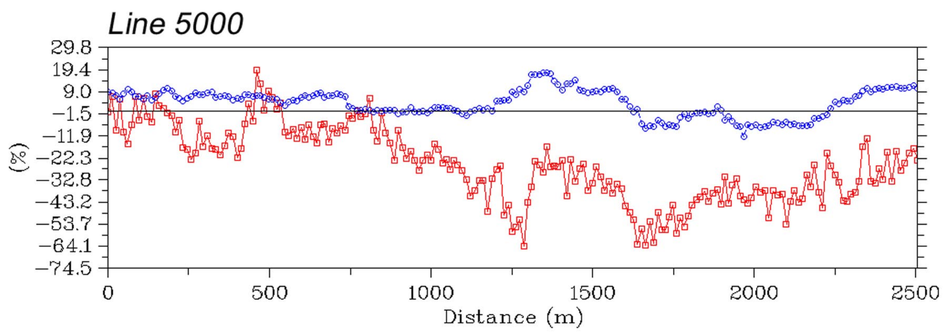


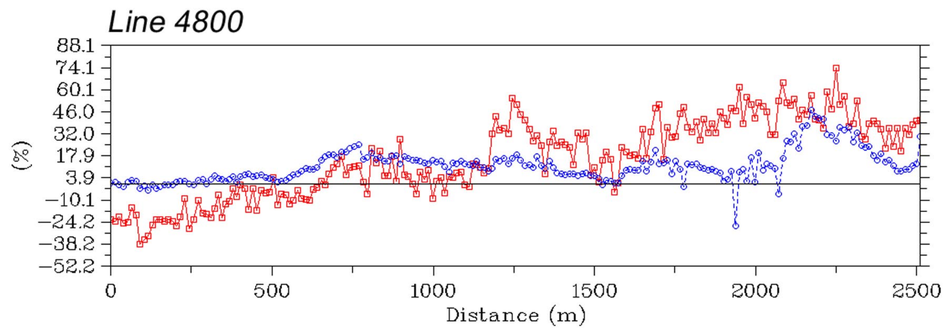


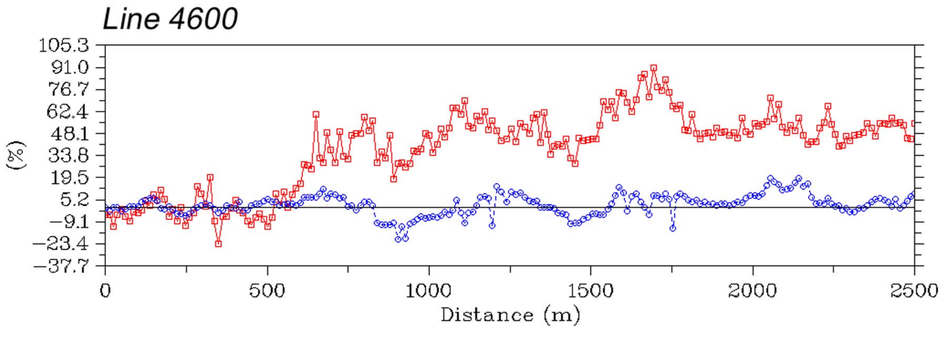












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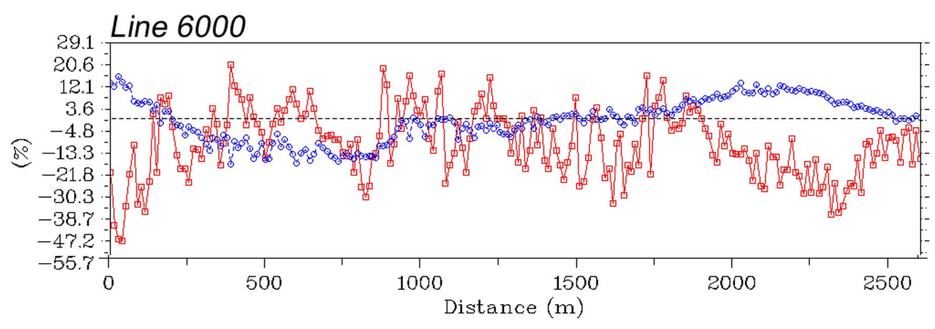
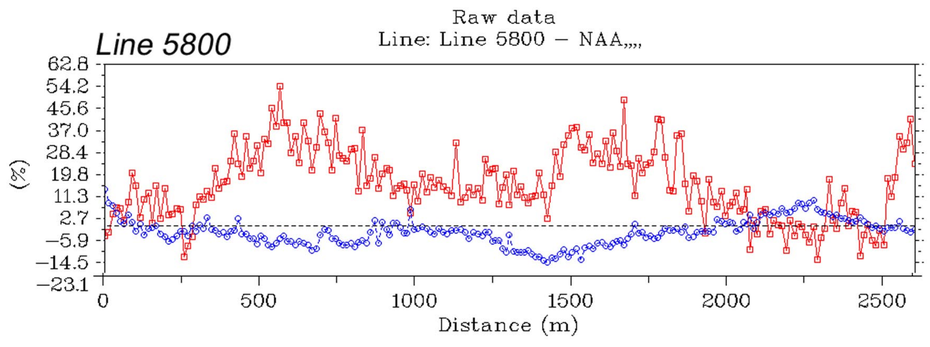
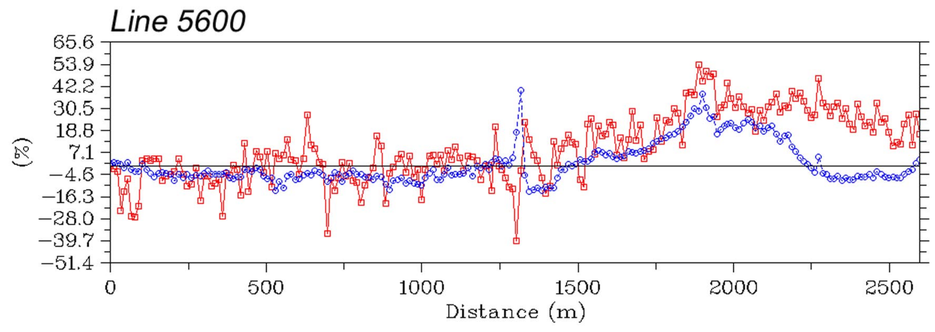
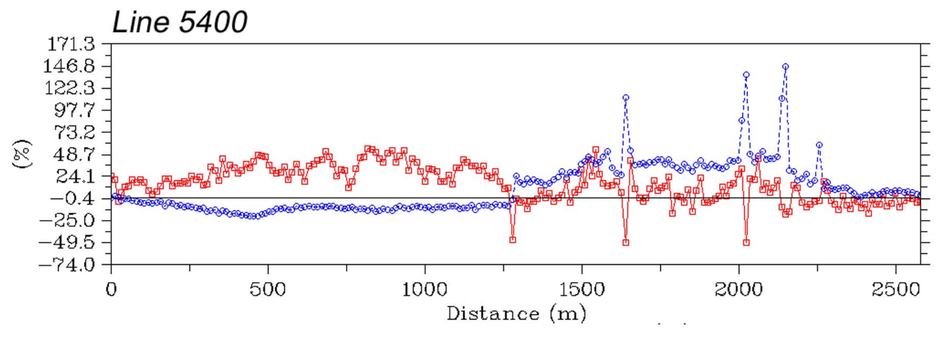
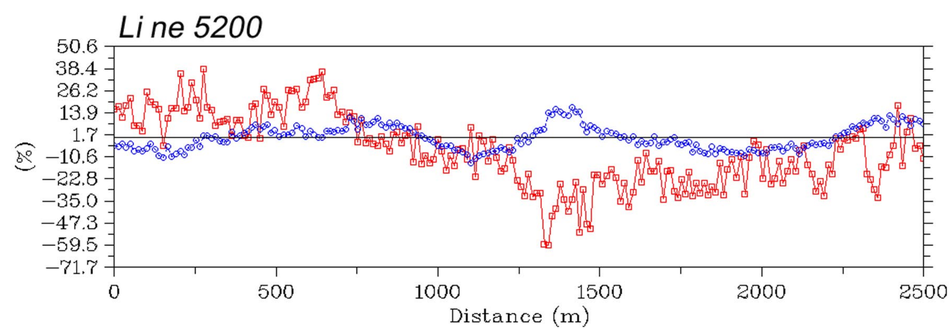
NAA

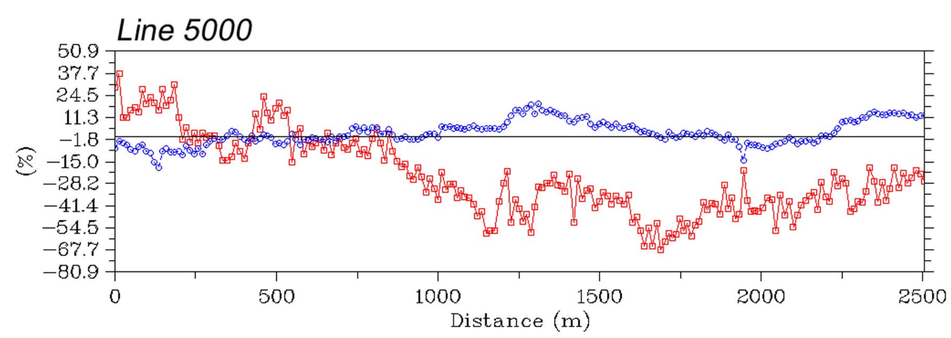


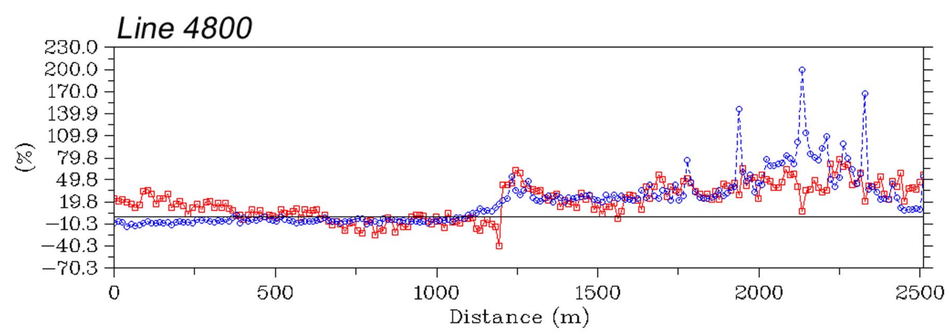


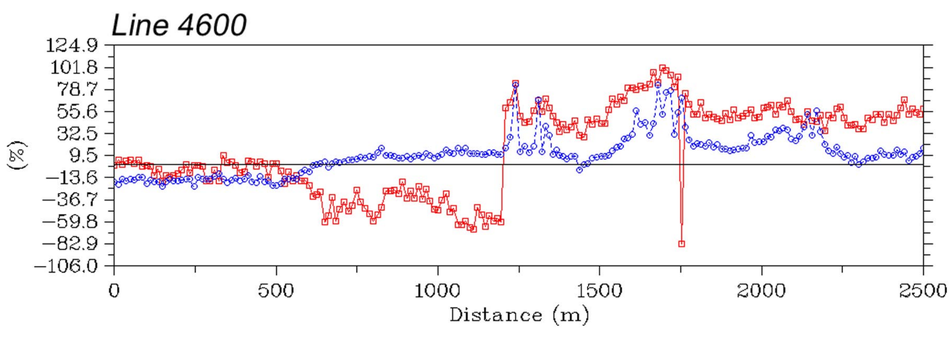












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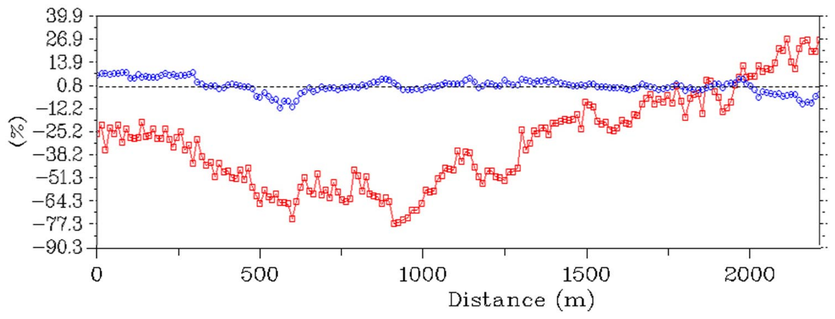
scale 1:10000

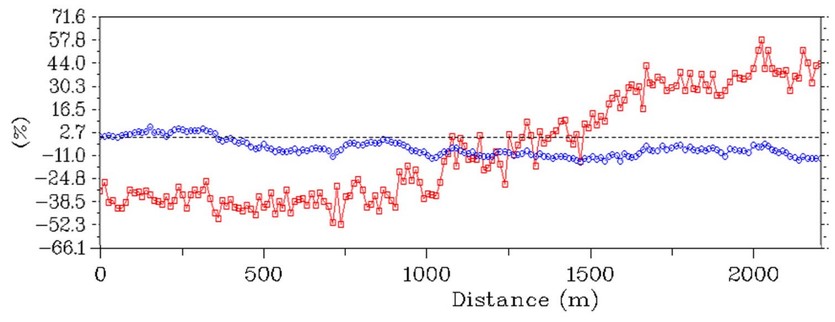
Recorded Data

NLK

Line 7600



Line 7400



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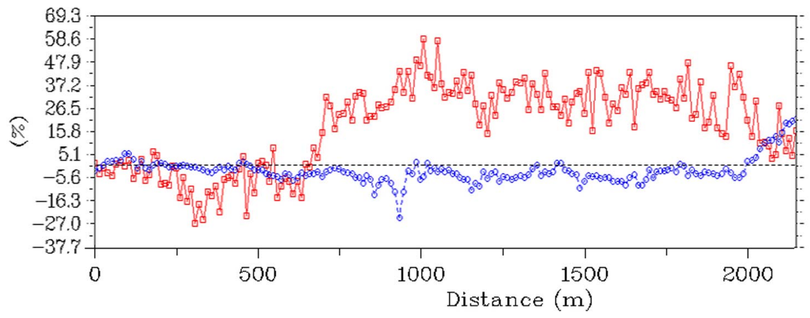
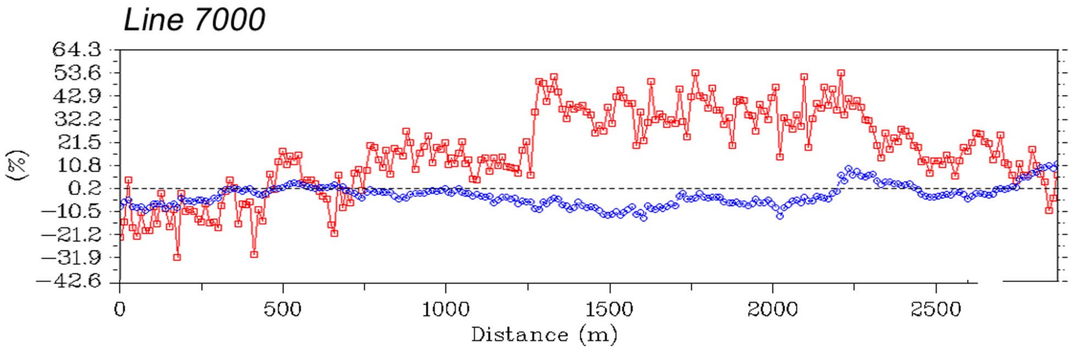


Line 7000



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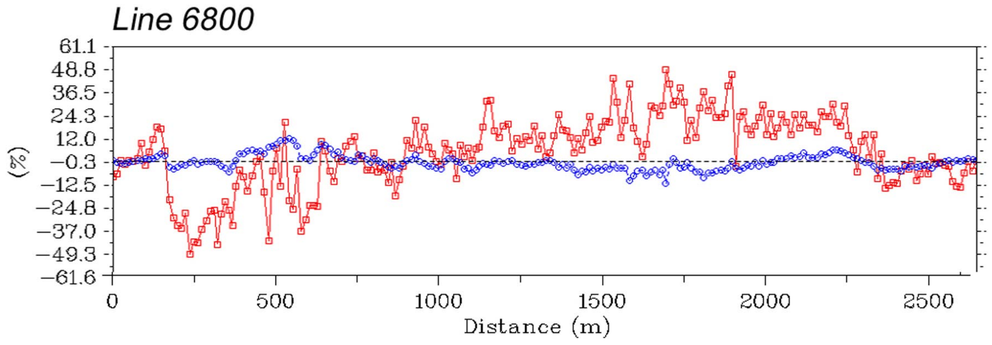

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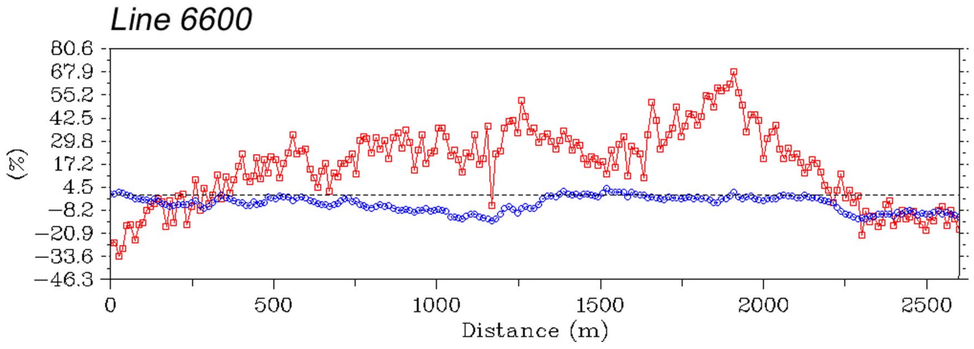

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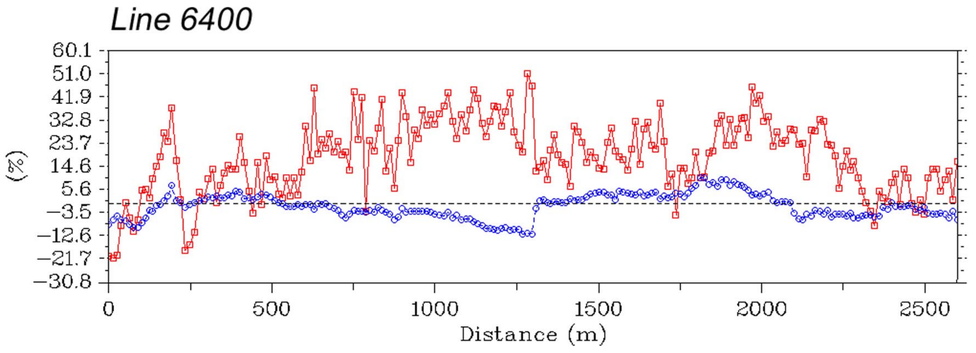

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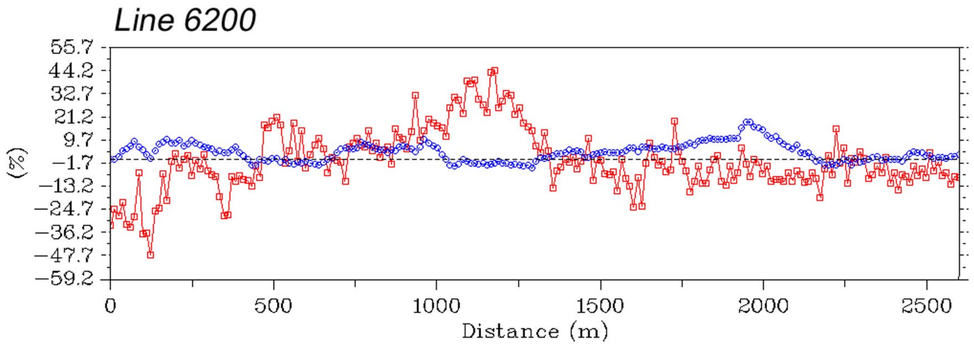

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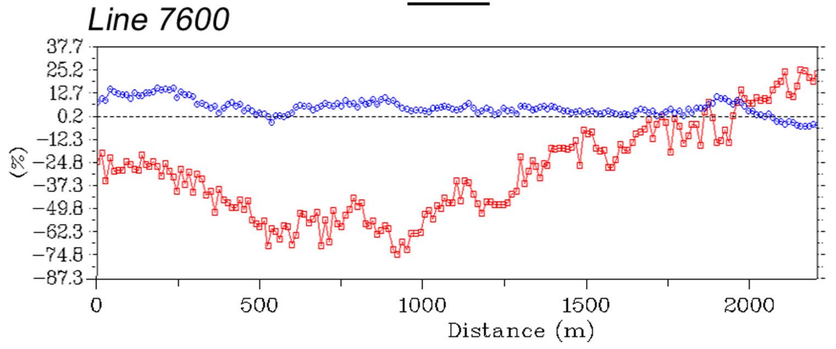
NAA

Line 7600



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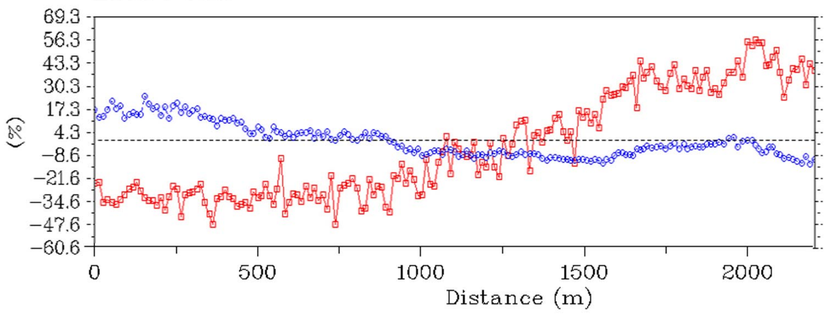

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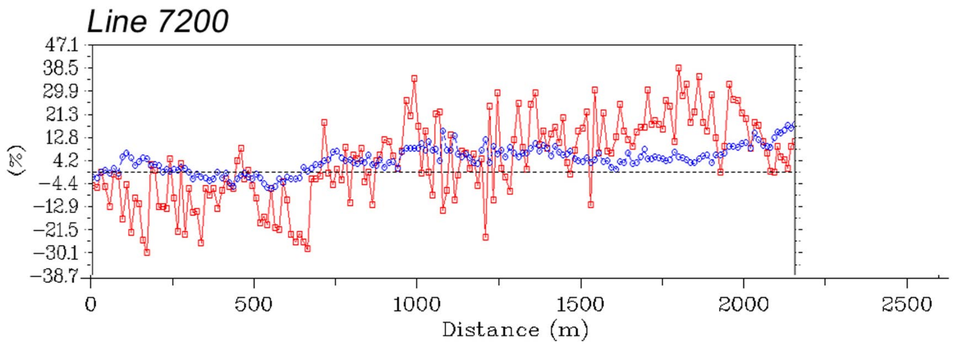

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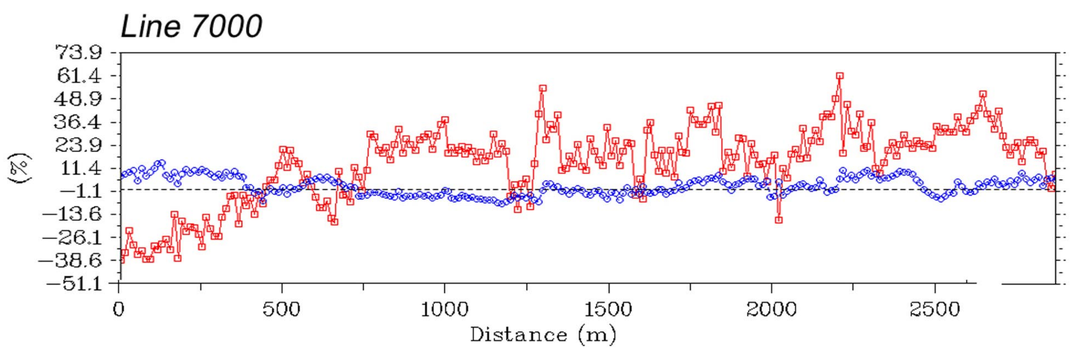

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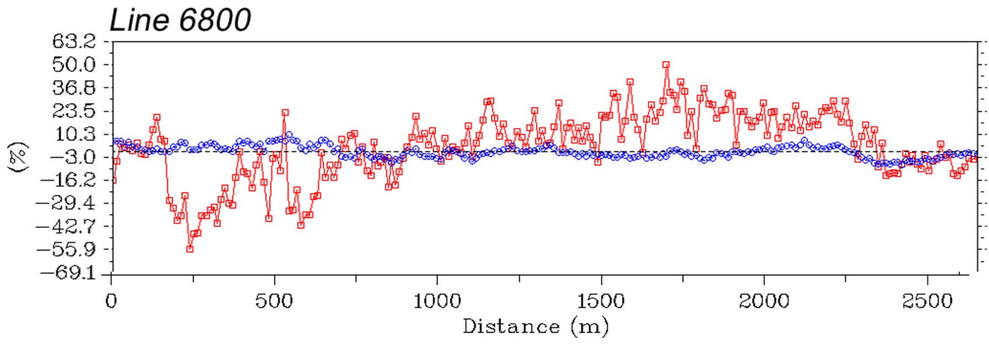

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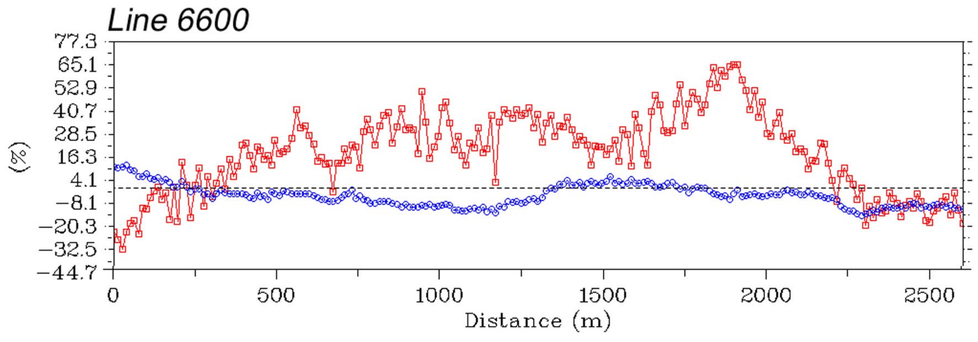

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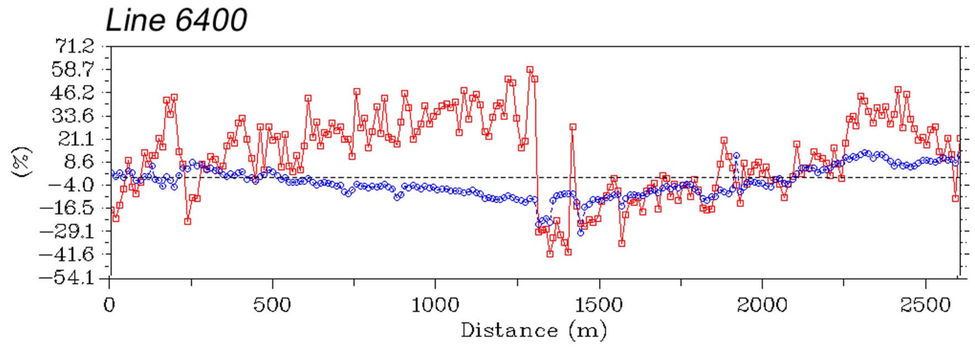

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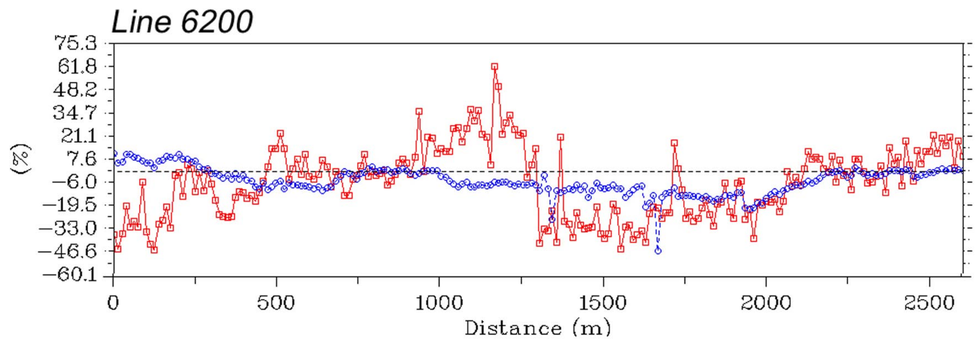
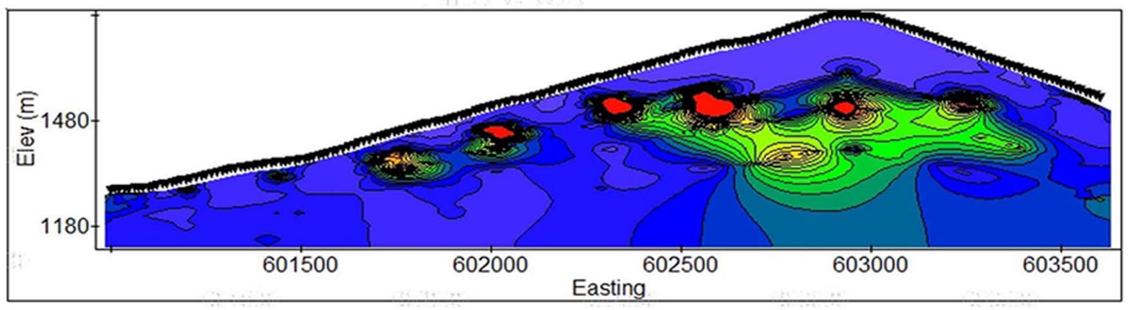


601000 602000 603000 604000

scale 1:10000

Inversions

Line 6000 - NLK



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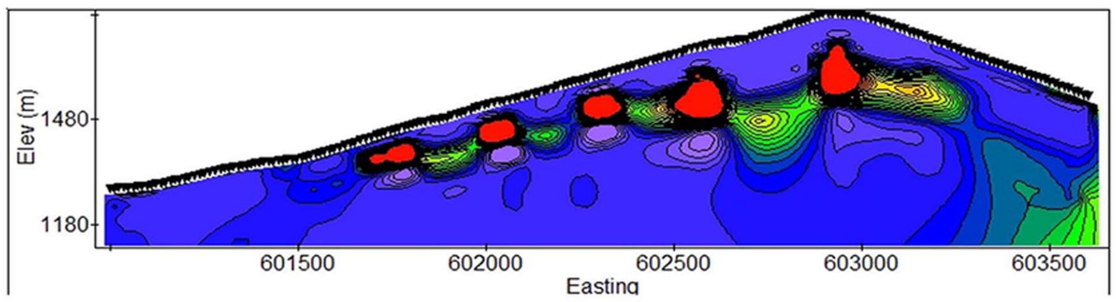
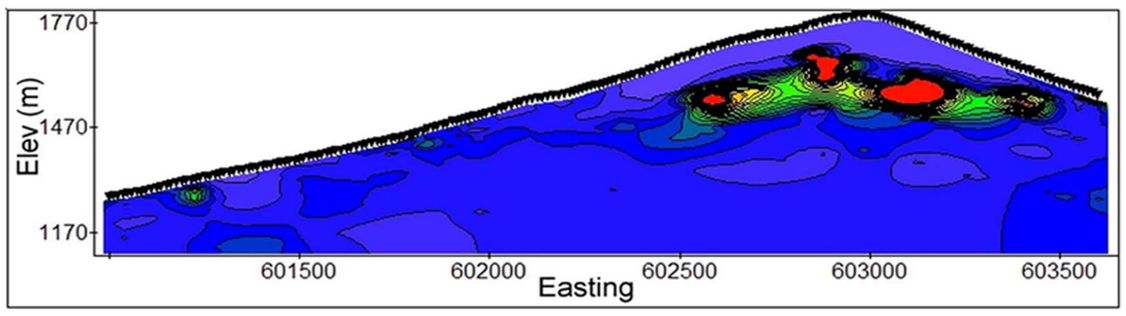
Line 6000 - NAA



Line 5800 - NLK



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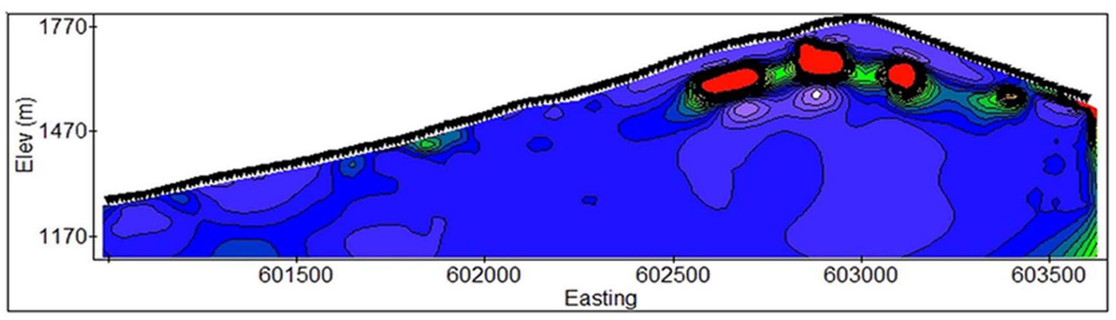
Line 5800 - NAA



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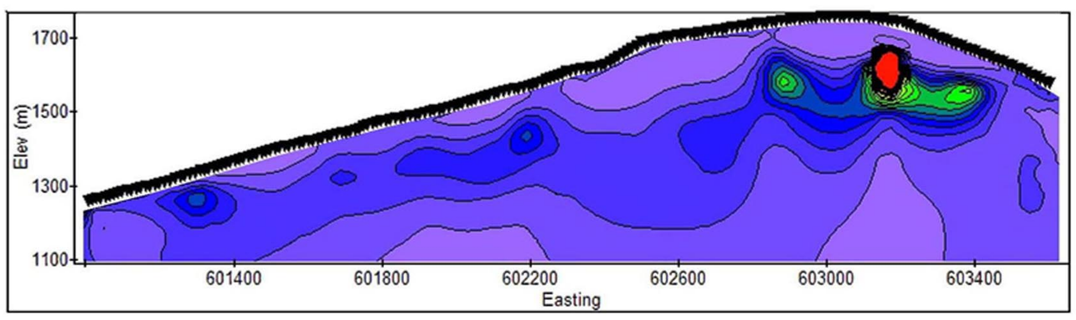

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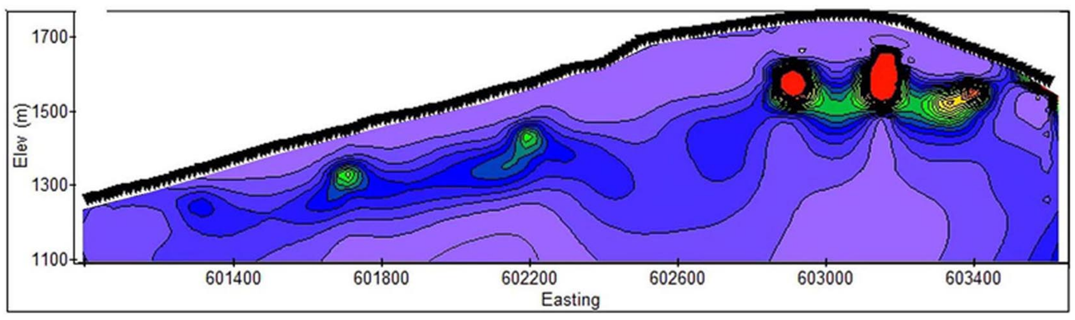

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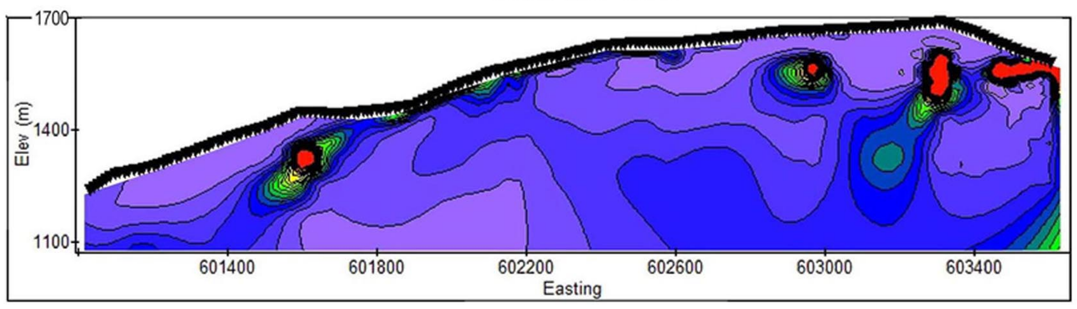

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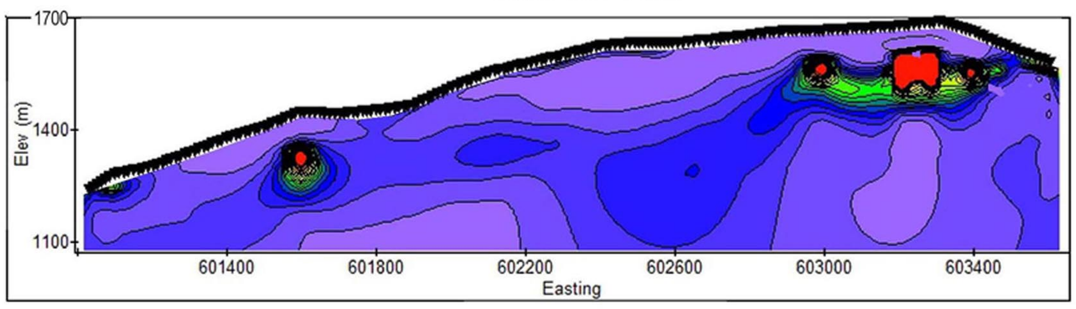
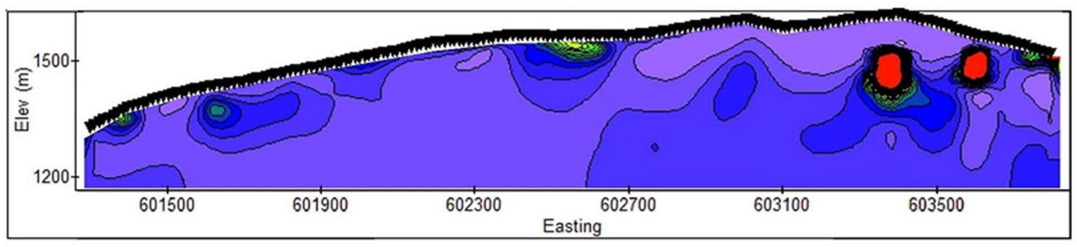


Line 5200 - NLK



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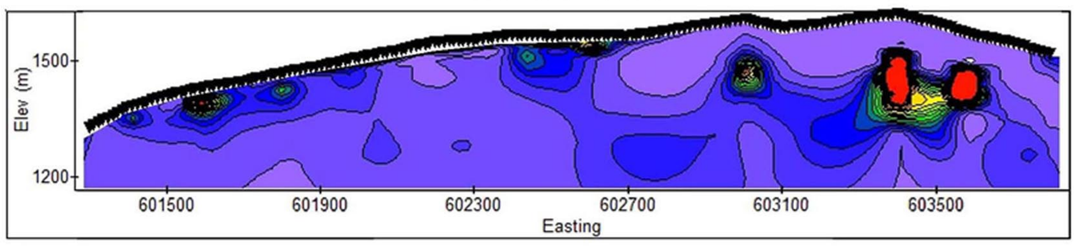
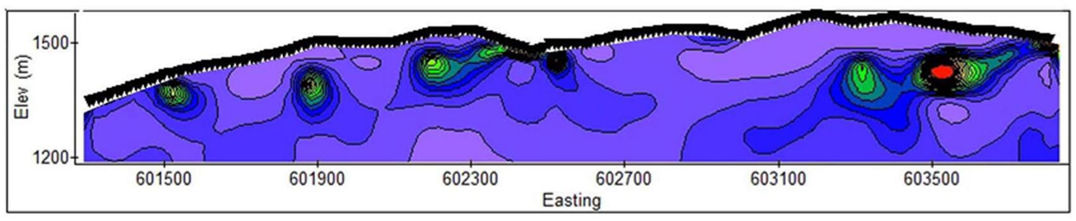


Line 5000 - NLK



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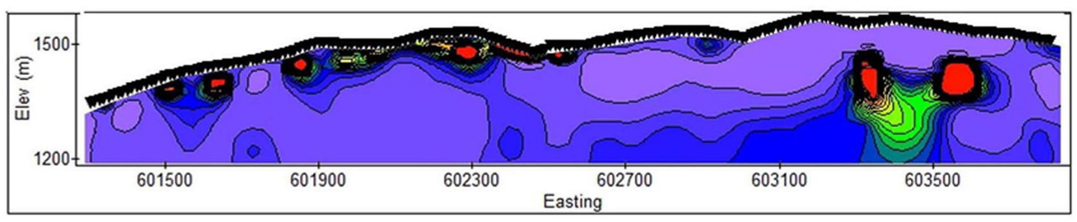

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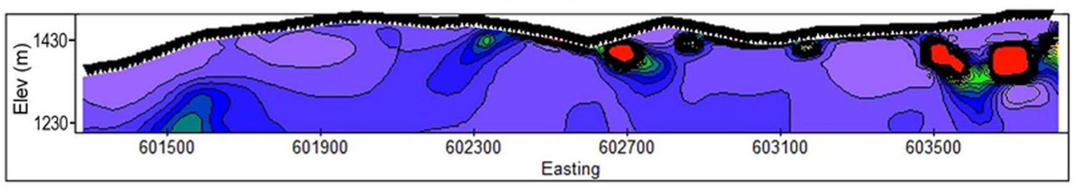

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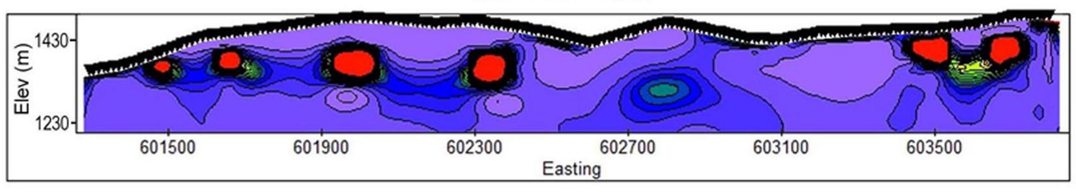

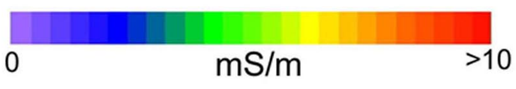

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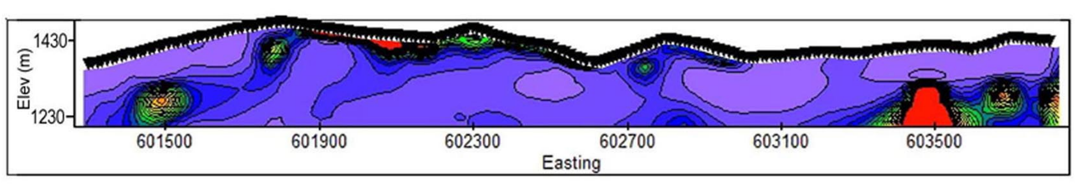

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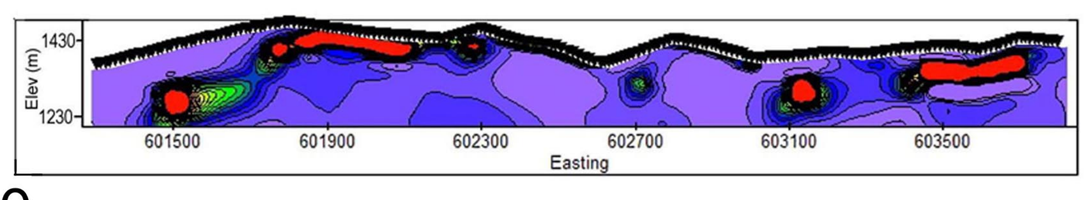
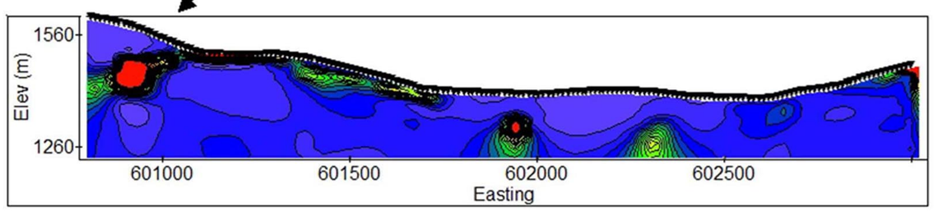


scale 1:10000

Inversions

Line 7600 - NLK



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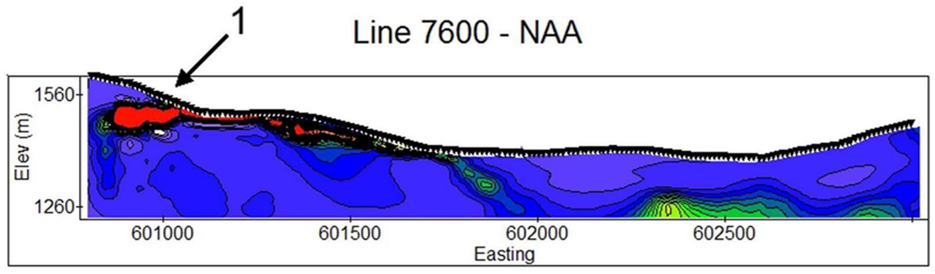

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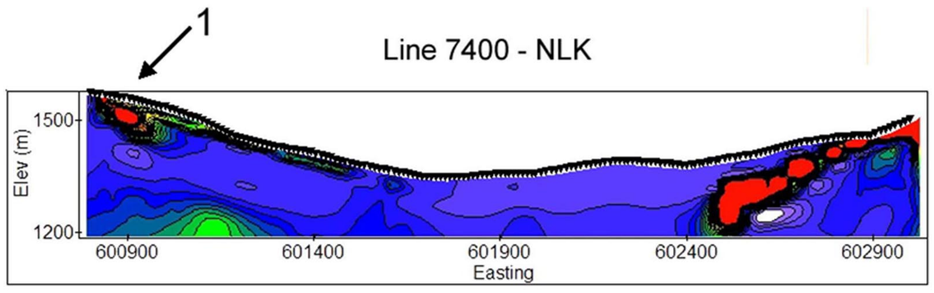

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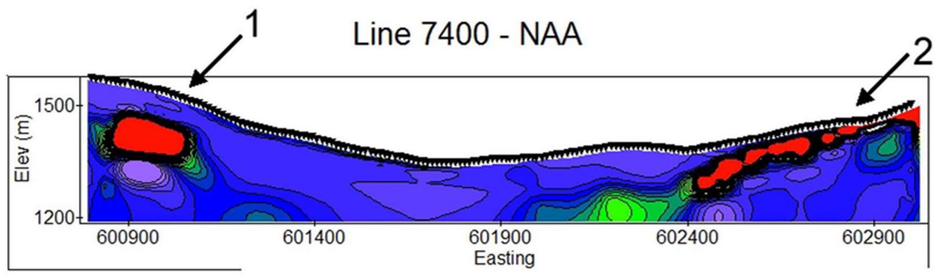

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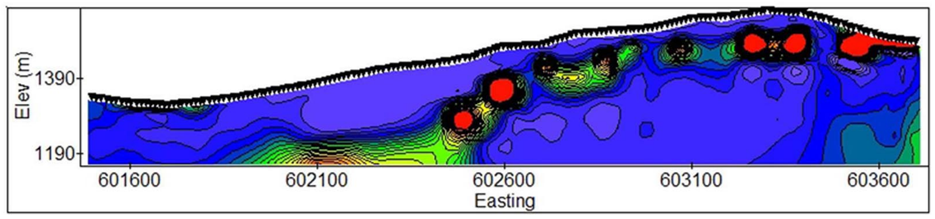

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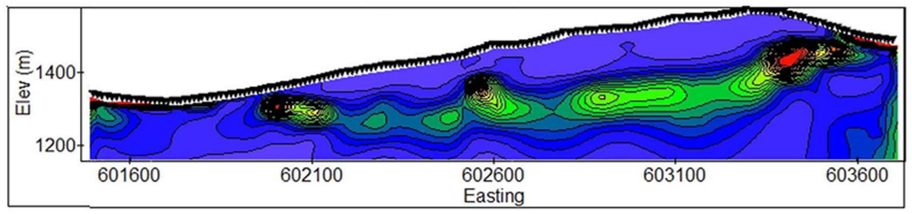

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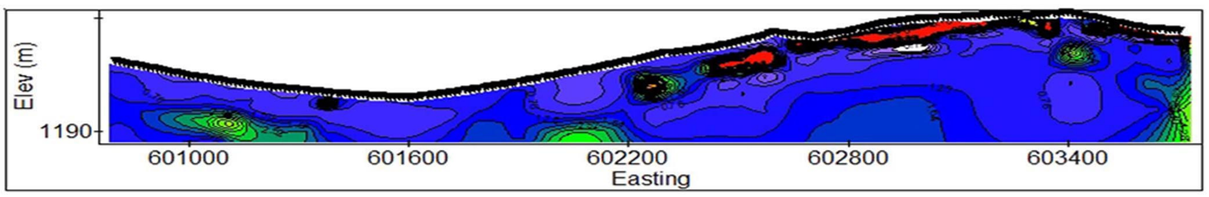

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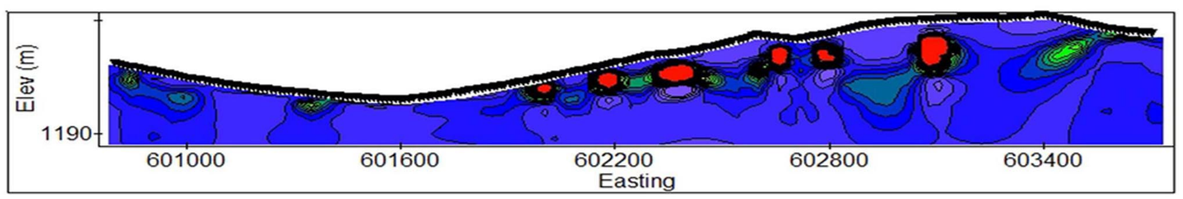

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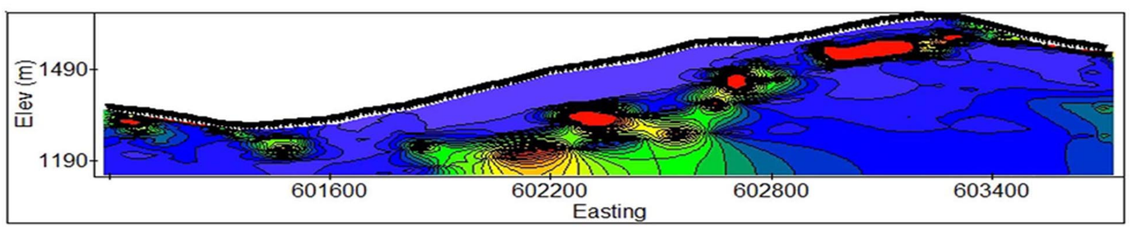

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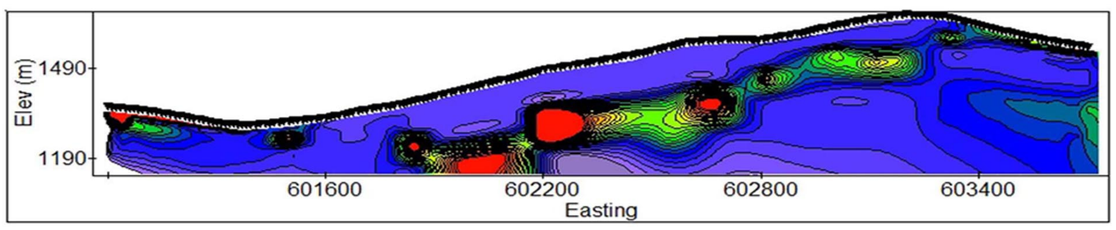

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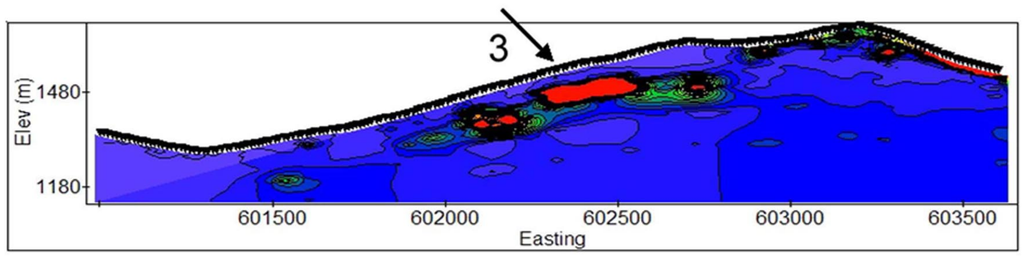

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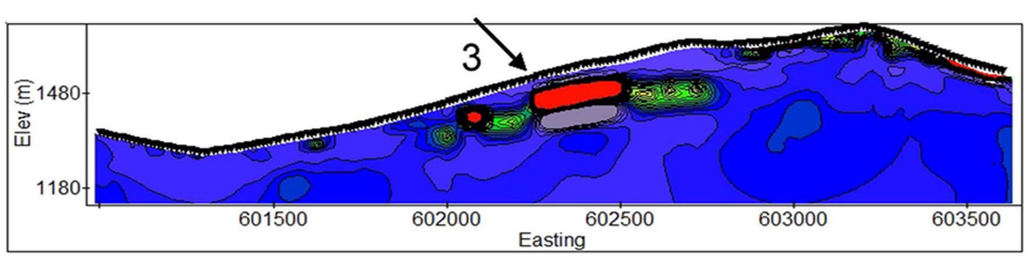

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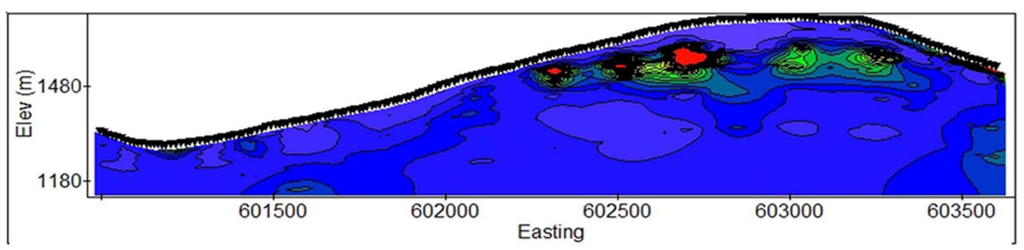

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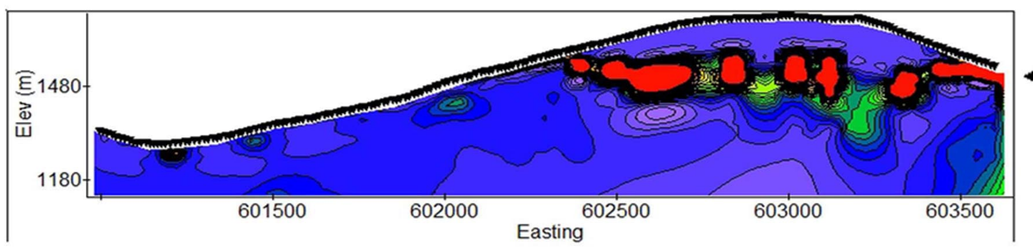

0 mS/m >10

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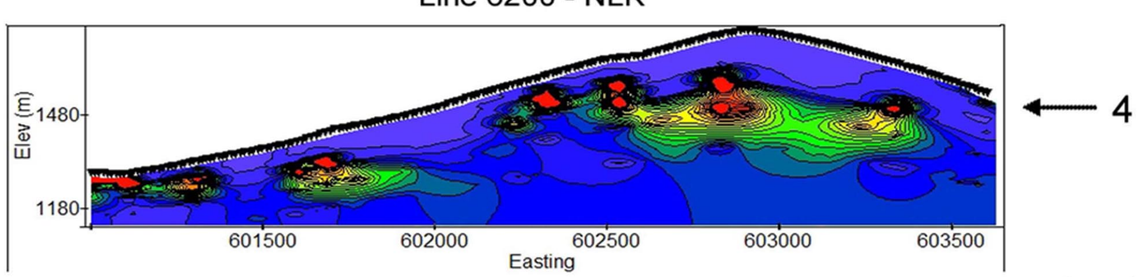

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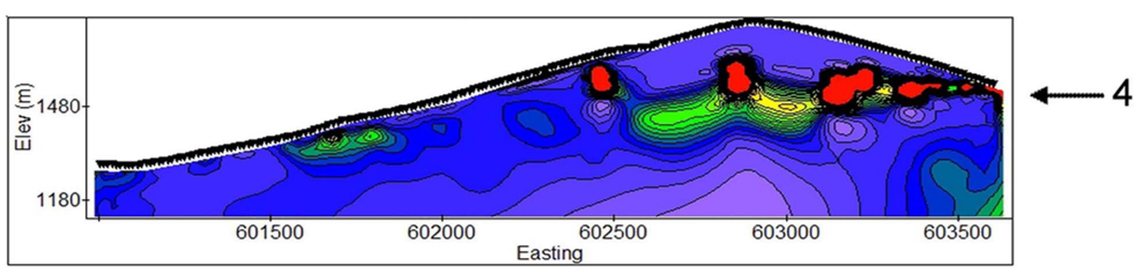

scale 1:10000

Silverfox

Yahk Ridge Magnetics Reduced to Pole

Date:26/1/2017	
Author:	
Office:	
Drawing:	
Scale: 1:10000	Projection: UTM Zone 11 (NAD 83)

0 125 250 500
metres

-400 nT 421.5

N

594,000 mE
595,000 mE
596,000 mE
597,000 mE
598,000 mE

5,452,000 mN
5,451,000 mN
5,450,000 mN
5,449,000 mN
5,448,000 mN
5,447,000 mN
5,446,000 mN
5,445,000 mN

Silverfox

Yahk Ridge Magnetics Tilt Derivative

Date:26/1/2017	
Author:	
Office:	
Drawing:	
Scale: 1:10000	Projection: UTM Zone 11 (NAD 83)

0 125 250 500
metres

-1.8 Radians 1.6

N

594,000 mE
595,000 mE
596,000 mE
597,000 mE
598,000 mE

5,452,000 mN
5,451,000 mN
5,450,000 mN
5,449,000 mN
5,448,000 mN
5,447,000 mN
5,446,000 mN
5,445,000 mN

Silverfox

Ward Area Ground Magnetics Reduced to Pole

Date:26/1/2017	
Author:	
Office:	
Drawing:	
Scale: 1:10000	Projection: UTM Zone 11 (NAD 83)

0 125 250 500
metres

-400 nT 421.5

N

600,000 mE
601,000 mE
602,000 mE
603,000 mE
604,000 mE

5,441,000 mN
5,440,000 mN
5,439,000 mN
5,438,000 mN
5,437,000 mN
5,436,000 mN
5,435,000 mN
5,434,000 mN
5,433,000 mN

Silverfox

Ward Area Ground Magnetics Tilt

Date:26/1/2017	
Author:	
Office:	
Drawing:	
Scale: 1:10000	Projection: UTM Zone 11 (NAD 83)

0 125 250 500
metres

-1.8 Radians 1.6

N

600,000 mE
601,000 mE
602,000 mE
603,000 mE
604,000 mE

5,441,000 mN
5,440,000 mN
5,439,000 mN
5,438,000 mN
5,437,000 mN
5,436,000 mN
5,435,000 mN
5,434,000 mN
5,433,000 mN

PETROGRAPHIC REPORT ON 13 SAMPLES (SILVER FOX PROJECT)

Report for: Doug Anderson, P. Eng. (Kootenay Silver Inc.)
#100-2100 13th St. S. (Suite 1820-1055 W. Hastings St.
Cranbrook, B.C. (Vancouver, B.C.)
V1C 7J5 (V6E 2E9) 250-489-4956

Invoice 160494

Aug. 18, 2016.

SUMMARY: (Note: even where not stated, the prefix meta- is understood to apply to all rock names in this report.) Most of these samples fall into the fine sand- to silt-size range (<0.25 mm to <0.1 mm), or locally the medium sand (0.5-1.0 mm) size range. Locally they contain interbeds or "clasts" (rip-ups?) of "mudstone" which although not technically fine enough to be clay-sized, are distinctly finer (<50 μm) and considerably richer in sericite than the sand/silt sized beds. Most samples are faintly bedded to laminated, but in four samples (DA16-1, 2, 23, and 209) there is evidence of turbiditic deposition or of soft sediment disruption (repetitive fining-upward sequences, marked by fine sand sized bases and mud-sized, sericite-rich tops, disrupted by dewatering structures, load casts, mud or shale rip-up clasts, micro-faults, etc.).

Minerals identified in the samples include, in roughly decreasing order of abundance, quartz, white mica (sericite and muscovite), plagioclase (albite, or more commonly albite-oligoclase?), chlorite (possibly commonly after greenish biotite, which may also locally be altered to hydrobiotite), carbonate (likely mostly calcite or Fe-calcite, the latter strongly altered to limonite), various opaques (that may include euhedral magnetite, hematite, limonite, possible carbonaceous matter, and rutile, but no obvious sulfides), plus accessory epidote (±cores of allanite?), tourmaline (likely mainly detrital, schorl, with F:M 0.7-0.8, but in two cases, DA16-83 and 66, possibly hydrothermal, the latter possibly intermediate dravite-schorl (F:M 0.5-0.6, based on pale colour)), and zircon/monazite (?). The presence of plagioclase in many samples (9 out of 13) is uncertain of origin – in some, e.g. TC-8-1512, it is albite and likely of secondary (hydrothermal?) origin, but in many others it is unclear whether it represents original detrital feldspar, or later alteration.

Apart from the obvious Fe-carbonate "spots" in three samples (DA16-54, 83, 66), alteration in many of these samples, presumably the focus of the investigation, is subtle and difficult to be sure of. It is possible, even likely, that in certain samples (e.g. TC-8-1512'), plagioclase (in this case almost certainly albite) is secondary, likely hydrothermal. In other samples, sericite may be an alteration product as well, although separating hydrothermal sericite from original sericite is not easy. Also, the significance of the hydrothermal (?) tourmaline or local blastic green mica (greenish brown biotite, chlorite, or biotite altered to chlorite) is uncertain; it generally appears blastic, i.e. diagenetic or metamorphic, but could also indicate hydrothermal activity prior to metamorphism.

Capsule descriptions are as follows:

TC-8-1512': fine-grained, massive quartz-albite-minor white mica (muscovite, sericite)-accessory opaque (rutile?)-carbonate-trace tourmaline rock that likely represents albite-minor sericite altered quartzite (albite is known to replace Revett Fm at Spar Lake, and Aldridge sediments at Sullivan).

DA16-1: interbedded meta-fine sand/siltstone (variable quartz, plagioclase, sericite/muscovite, chlorite, opaque such as hematite?, and local blastic carbonate) and mudstone (sericite, variable quartz, chlorite, opaques that may be limonite/carbonaceous matter). It is unclear whether chlorite is due to hydrothermal alteration or merely a product of metamorphism of an initial composition.

DA16-2: appears to represent quartzite with local zones of increased sericite-chlorite-plagioclase-trace opaques-carbonate-tourmaline-zircon/monazite? near disrupted chips of argillite.

DA16-3: “siltstone” (actually fine sand-sized) grading to/interbedded with “mudstone” (silt-sized), composed respectively of quartz (±plagioclase)-sericite-chlorite-opaques-trace tourmaline, zircon, or mostly sericite-minor quartz-chlorite but more abundant opaques. The chlorite may represent a later (diagenetic, metamorphic or hydrothermal?) overprint.

DA16-22: may represent “bleached” (altered) fine meta-sandstone, now composed of quartz-white mica (muscovite and finer sericite)-plagioclase-minor blastic greenish biotite (slightly chloritized)-opaque (magnetite?)-accessory tourmaline (schorl)-trace zircon (?).

DA16-23: appears to represent disrupted/fragmental, fine sand-sized meta-sedimentary rock now composed of (altered to?) quartz-sericite-blastic greenish biotite (partly chloritized)-opaque (ilmenite?)-accessory epidote (±allanite?)-tourmaline (schorl).

DA16-54: appears to be fine sand-sized meta-sedimentary rock (“quartzite”) altered to sericite-carbonate (calcite, Fe-calcite)-minor chlorite-opaque (magnetite, limonite?)-possible zircon/monazite (?), with trace tourmaline (likely original detrital).

DA16-83: appears to be fine sand-sized meta-sedimentary rock (“quartzite”) altered to sericite-carbonate (calcite, Fe-calcite)-minor chlorite-opaque (magnetite, limonite, Mn-oxide?) and possible zircon/monazite (?) plus local tourmaline (possibly hydrothermal?).

DA16-66: appears to be quartzite (with local clasts of mudstone?) altered to sericite-limonite (hematite/goethite?)-tourmaline (intermediate dravite/schorl?).

DA16-209: “siltstone” (actually fine sand-sized metasedimentary rock) composed of quartz (±plagioclase)-sericite, with minor blastic biotite associated with more abundant opaques-epidote-trace tourmaline, zircon defining disrupted bedding. Some sericite, the biotite and epidote may represent a later (diagenetic, metamorphic or hydrothermal?) overprinting.

DA16-174: “bleached” (altered) very fine meta-sandstone, now composed of quartz-white mica (muscovite and finer sericite)-plagioclase-accessory blastic greenish biotite (slightly chloritized)-opaque (magnetite?)-limonite- trace tourmaline (schorl)-zircon (?).

DA16-228: fine sand-sized meta-sedimentary rock (“quartzite”) altered to sericite-carbonate (Fe-calcite)-chlorite-opaque (limonite), with trace tourmaline (schorl)-possible zircon/monazite (both likely original detrital?). It is not clear what the origin of minor plagioclase is.

DA16-TC: appears to represent laminated meta-fine sand/siltstone (quartz, lesser plagioclase, sericite/muscovite, opaque (magnetite, hematite?), minor local blastic relict biotite?).

Detailed petrographic descriptions and photomicrographs are appended (by email attachment). If you have any questions regarding the petrography, please do not hesitate to contact me.

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TC-8-1512': FINE-GRAINED, MASSIVE QUARTZ-ALBITE-MINOR MUSCOVITE/SERICITE-ACCESSORY OPAQUE (RUTILE?)-CARBONATE-TRACE TOURMALINE ROCK (LIKELY ALBITE-MINOR SERICITE ALTERED QUARTZITE?)

Described as core sample from drill hole TC-8 at 1512 feet – Montana – "bleached quartzites"; hand specimen shows a massive, white, fine-grained siliceous rock similar to quartzite in appearance (but see mineralogy below). The rock is harder than steel, not magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (but a significant proportion, perhaps 40-45%, etches white for plagioclase). Modal mineralogy in regular thin section is approximately:

Quartz	50%
Plagioclase (mainly albite?)	45%
White mica (sericite, muscovite)	3-5%
Opaque (mainly rutile?)	<1%
Carbonate (dolomite?)	<1%
Tourmaline (schorlitic)	<<1%

Although described as "quartzite", this sample actually consists of roughly equal proportions of quartz and plagioclase feldspar, with accessory amounts of white mica (detrital muscovite and/or much finer sericite, partly after feldspar) and traces of opaque, carbonate and tourmaline.

Quartz forms sub-rounded to sub-angular grains mostly <0.25 mm, but locally in aggregates to ~0.5 mm, typically surrounded/replaced at margins by finer-grained (<50 μm) quartz and albite that could represent recrystallized matrix due to diagenesis and/or metamorphism, or hydrothermal alteration (?). The quartz grains are typically somewhat strained (show undulose extinction, minor sub-grain development and suturing of grain boundaries), with weak development of triple junctions suggestive of weak annealing.

Plagioclase occurs as subhedral crystals also mostly <0.25 mm, with local aggregates to ~0.5 mm, mainly interstitial to the quartz. Composition is likely albite, based on strong negative relief compared to quartz, and in twinned grains, extinction Y^010 about 14º (could be An_5). Most grain are slightly clouded due to incipient alteration to clay?/sericite (sub-microscopic particles) or in places sericite (randomly oriented subhedral flakes mostly <25 μm) which may replace up to 35% of the crystal. It is not clear whether this is a diagenetic, metamorphic or hydrothermal effect.

Relatively coarse flakes of white mica (muscovite) up to ~0.4 mm in diameter are typically aligned, probably marking the original bedding plane, and likely represent detrital mica flakes. They are sub- to euhedral and locally somewhat bent.

Carbonate is rare, forming subhedra <50 μm in aggregates to 0.15 mm that are interstitial to quartz and feldspar. Lack of reaction to cold dilute HCl in hand specimen could suggest a dolomite composition (or there may simply be too little present to show a reaction).

Opaques typically occur interstitially as small ragged aggregates to 0.1 mm of minute dark brown subhedra mostly <25 μm long, possibly rutile (?).

Rare tourmaline forming stubby euhedra <50 μm long shows moderate green pleochroism suggestive of Fe:Fe+Mg, or F:M, ratio possibly around 0.6-0.7 (schorl). It is likely detrital.

In summary, this fine-grained, massive quartz-albite-minor white mica (muscovite, sericite)-accessory opaque (rutile?)-carbonate-trace tourmaline rock likely represents albite-minor sericite altered quartzite (albite is known to replace Revett at Spar Lake and Aldridge sediments at Sullivan).

DA16-1: INTERBEDDED META-FINE SAND/SILTSTONE (VARIABLE QUARTZ, PLAGIOCLASE, SERICITE/MUSCOVITE, CHLORITE, OPAQUE SUCH AS HEMATITE?, AND LOCAL BLASTIC CARBONATE) AND MUDSTONE (SERICITE, VARIABLE QUARTZ, CHLORITE, OPAQUES THAT MAY BE LIMONITE/CARBONACEOUS MATTER)

Described as oxide facies rocks; hand specimen shows dark pinkish grey/locally pale greenish, very fine-grained rock with a disrupted bedded appearance visible in etched offcut. The rock is mainly softer than steel, not magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (white etched portions of coarser-grained siltstone may indicate sericite rather than plagioclase). Modal mineralogy in regular thin section is approximately:

White mica (sericite, muscovite)	45%
Quartz	35%
Plagioclase (albite-oligoclase, detrital?)	10%
Chlorite (magnesian)	5%
Opaque (mainly carbonaceous matter?)	2-3%
Carbonate (dolomite?)	1-2%

This sample consists of varying proportions of white mica and quartz, lesser plagioclase, chlorite and accessory opaques and carbonate, in interbedded very fine (meta-) argillaceous sandstone or siltstone and mudstone displaying what appear to be various soft-sediment features characteristic of turbidites (repetitive fining-upward sequences, marked by fine sand sized bases and mud-sized, sericite-rich tops, disrupted by dewatering structures, load casts, mud or shale rip-up clasts, etc.). Silt-sized beds are paler and richer in quartz/lesser plagioclase, mudstone is richer in sericite and opaque matter.

Silt- or fine sand-sized beds make up about 60% of the sample, and are up to about 1 cm thick. They typically consist of about 50-55% quartz, lesser (15%?) plagioclase and 25-30% sericite, 5% chlorite, accessory opaque and local carbonate. The quartz forms interlocking subrounded to subangular grains mainly in the 0.1-0.2 mm size range, often difficult to distinguish from plagioclase unless the latter is twinned. The plagioclase forms subhedra of similar size to quartz, with slight to distinct negative relief against quartz and extinction on 010 mostly <10º, suggestive of albite-oligoclase, slightly replaced in places by minute flakes of clay?/sericite mainly <25 μm. It appears that patches of sericite with outlines similar to plagioclase likely represent small mud chips, not highly sericitized feldspars. Coarser, mainly euhedral flakes of muscovite up to 0.25 mm are mostly aligned in the bedding plane, but chlorite flakes (rounded/subhedral to less commonly euhedral) are not necessarily so, perhaps indicating later formation? (Chlorite shows distinct green pleochroism, but length-<u>fast</u>, anomalous greenish-grey birefringence suggestive of F:M ~0.4?). Opaques in the <5 to 25 μm size are not identifiable, but the pinkish colour in hand specimen/offcut could suggest hematite (i.e. oxide facies?) in these beds. Carbonate occurs sparsely as euhedral blastic crystals up to 0.5 mm, possibly dolomite since no reaction noted in hand specimen.

In the mud-sized beds, some of which are finely laminated, sericite predominates as closely packed subhedral flakes mostly <25 μm, typically more or less aligned with bedding, accompanied by variable amounts of quartz (subrounded, <0.1 mm), muscovite (subhedral, <0.1 mm) and chlorite (blastic, euhedral, to 0.25 mm, or <30μm, intimately mixed with sericite). The chlorite tends to be aligned in the bedding, along with similar-sized (0.3 mm long) opaque aggregates of what could be intimately mixed limonite/carbonaceous matter (?) that make up ~5-10% of these beds and likely cause the dark, greenish colour. Plagioclase and carbonate are not identifiable in these beds.

What appear to be thin (<1 cm thick) “sand dykes” of fine sand- to silt-sized material cut up section; in adjacent fine sand-sized beds, subangular to deformed rip-up clasts (“mud chips” are common, with elongated outlines up to about 7 mm long.

In summary, this appears to represent interbedded meta-fine sand/siltstone (variable quartz, plagioclase, sericite/muscovite, chlorite, opaque such as hematite?, and local blastic carbonate) and mudstone (sericite, variable quartz, chlorite, opaques that may be limonite/carbonaceous matter).

DA16-2: QUARTZITE WITH LOCAL ZONES OF INCREASED SERICITE-CHLORITE-PLAGIOCLASE-TRACE OPAQUES-CARBONATE-TOURMALINE-ZIRCON/MONAZITE? NEAR DISRUPTED CHIPS OF ARGILLITE

Described as green reduced facies rocks with brecciation and quartz sand - high energy deposits; hand specimen shows white quartzite (locally with small spots of orange-brown ankerite?) interbedded with bright green zones with a disrupted appearance (containing elongated chips of white argillite?). The rock is mainly harder than steel, not magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (but minor white etch suggests local interstitial plagioclase). Modal mineralogy in regular thin section is approximately:

Quartz	80%
White mica (sericite, muscovite)	10%
Chlorite (interstitial, magnesian)	5%
Plagioclase (interstitial, sericitized, albite-oligoclase?)	3-5%
Opaque (mainly limonite, possibly after ankerite?)	<1%
(rutile or carbonaceous matter?)	<<1%
Carbonate (dolomite?)	<<1%
Tourmaline (schorlitic, detrital?)	trace
Zircon or monazite (?)	trace

Most of this sample consists of quartz, with variable interstitial sericite, local plagioclase and chlorite, the latter more common in irregular zones possibly parallel to and marking bedding, along and near the "argillite chips". These chips show flattened/elongate outlines up to almost 2 cm long, are mostly composed of sericite as subhedral flakes <25 (rarely to 50) μm with lesser variable quartz of similar size, and have faint internal bedding caused by alignment of sericite flakes and/or variation in quartz-sericite. Spots of limonite, common in the white quartzite, are unfortunately rare in the thin section.

Quartz mainly occurs as sub-rounded to sub-angular, detrital grains mostly <1 mm in diameter, typically surrounded/replaced at margins by finer-grained (<50 μm) quartz that could represent recrystallized matrix or secondary overgrowths due to diagenesis and/or metamorphism, or hydrothermal alteration (?). The quartz grains are typically somewhat strained (show undulose extinction, minor sub-grain development and suturing of grain boundaries), however locally developed planar features are randomly oriented, suggestive they were strained pre-sedimentation. Local "chert" clasts composed of interlocking subhedral quartz <50 μm are up to 0.8 mm long.

Plagioclase occurs as subhedral crystals mostly <0.3 mm interstitial to quartz, with a possibly detrital appearance enhanced by the incipient alteration to clay?/sericite (randomly oriented subhedral flakes mostly <20 μm) which mostly replaces <10% of the crystal. It is not clear whether this is a diagenetic, metamorphic or hydrothermal effect. Composition could be albite-oligoclase (An_{5-10}), based on weak to distinct negative relief compared to quartz, or in rare twinned grains extinction on 010 mainly <10º but with local "chequerboard" texture typical of secondary albite.

Interstitial white mica is mainly fine-grained sericite as subhedral flakes <50 μm (variably intermixed with chlorite of similar size), or rare coarse euhedral flakes of muscovite to ~0.2 mm that are not typically aligned, but may represent detrital mica flakes. Chlorite intimately mixed with sericite is difficult to quantify, but in places coarser flakes with subhedral outlines to 0.3 mm (locally rimming plagioclase) show very pale green pleochroism and weak greenish anomalous, length-fast birefringence suggestive of F:M ~0.4 (?). Opaques are relatively rare, mostly either aggregates to 0.2 mm of orange-brown limonite (could be after Fe carbonate?) in the quartzite, or extremely fine-grained aggregates to similar size of rutile (?) or carbonaceous matter, mostly near the argillite chips.

Traces of accessory carbonate (subhedra <35 μm, possibly dolomite/ankerite suggested by lack of reaction, or merely too little to see the reaction), tourmaline (stubby euhedra <50 μm with green pleochroism suggestive of schorl, F:M around 0.6-0.7?) and zircon or monazite (subhedra <25 μm locally surrounded by radiation-damaged, pleochroic haloes in chlorite) are present.

In summary, this appears to represent quartzite with local zones of increased sericite-chlorite-plagioclase-trace opaques-carbonate-tourmaline-zircon/monazite? near disrupted chips of argillite.

DA16-3: "SILTSTONE" (ACTUALLY FINE SAND-SIZED) GRADING TO/INTERBEDDED WITH "MUDSTONE" (SILT-SIZED), COMPOSED RESPECTIVELY OF QUARTZ (±PLAGIOCLASE)-SERICITE-CHLORITE-OPAQUES-TRACE TOURMALINE, ZIRCON, OR MOSTLY SERICITE-MINOR QUARTZ-CHLORITE BUT MORE ABUNDANT OPAQUES

Described as green reduced facies; hand specimen shows dark green siltstone (?) interbedded locally with pale green mudstone (?), cut by local irregular slickensided slips coated by white/pale greenish minerals. The rock is scratched by steel, not magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (white etch for plagioclase not detectable at this grain size). Modal mineralogy in regular thin section is approximately:

Quartz	40%
White mica (sericite, muscovite)	30%
Chlorite (interstitial, magnesian)	20%
Plagioclase (albite-oligoclase?)	5%
Opaque (limonite/carbonaceous matter, rutile?)	3%
Tourmaline (schorlitic)	<1%
Zircon?	<<1%

This sample consists mainly of fine-grained quartz-white mica (interstitial sericite-detrital muscovite) and chlorite, with minor plagioclase, opaques, rare accessory tourmaline and zircon. The muscovite flakes and elongated opaque aggregates are strongly aligned in the bedding plane, but chlorite tends to be randomly oriented. There is faint but perceptible gradation in grain size from very fine sand- or silt-sized particles (30-60 μm) bases to "mudstone" tops (dominantly sericite, <30 μm). The latter form local beds <1 cm thick that are paler-coloured in hand specimen (but contain more opaques in thin section).

Framework quartz grains are typically subangular and <65 μm in diameter, with random orientations. They are generally separated from each other by a matrix of interstitial sericite and chlorite. The quartz shows mainly weak to moderate undulose extinction, sub-grain development and suturing of grain boundaries, indicating low to moderate strain. Plagioclase is only rarely recognized, as subhedral grains/crystals <0.1 mm with polysynthetic twinning (extinction on 010 ~10º) and possibly negative relief compared to quartz, suggestive of composition near albite-oligoclase (?). It is difficult to be sure of how much plagioclase is present given the fine grain size and general lack of twinned grains; some may also be converted to sericite. It seems likely to be original (detrital) but this not sure.

Probably detrital white mica flakes are mainly <0.15 mm, aligned sub-parallel, and euhedral to slightly ragged at margins (overgrowths or attacked by matrix sericite?).

Chlorite typically occurs as subhedral to rounded flakes <50 μm with very pale green pleochroism and length-fast, grey-green birefringence (F:M 0.4?), not aligned in the bedding/foliation and possibly replacing sericite in the fine-grained matrix between framework. This is possibly suggestive of a later (diagenetic/metamorphic/hydrothermal) origin for the chlorite.

Opaques tend to occur in either lens- to tabular shaped, 0.2 mm long, or more equant to irregular, <0.1 mm aggregates, the former typically strongly aligned in the plane of bedding, but the latter typically random. The identity of the opaques is uncertain, but could include limonite/carbon for the former, and limonite or rutile for the latter.

Relatively rare accessory tourmaline (likely detrital, stubby euhedra <50 μm with moderate green pleochroism indicative of schorl, F:M 0.7?) and traces of zircon (?) as euhedra <25 μm are locally present.

In summary, this appears to be "siltstone" (actually fine sand-sized) grading to/interbedded with "mudstone" (silt-sized), composed respectively of quartz (±plagioclase)-sericite-chlorite-opaques-trace tourmaline, zircon, or mostly sericite-minor quartz-chlorite but more abundant opaques. The chlorite may represent a later (diagenetic, metamorphic or hydrothermal?) overprint.

DA16-22: "BLEACHED" (ALTERED) FINE SANDSTONE, NOW COMPOSED OF QUARTZ-WHITE MICA (MUSCOVITE AND FINER SERICITE)-PLAGIOCLASE-MINOR BLASTIC GREENISH BIOTITE (SLIGHTLY CHLORITIZED)-OPAQUE (MAGNETITE?)-ACCESSORY TOURMALINE (SCHORL)-TRACE ZIRCON (?)

Described as altered quartzitic; hand specimen shows a massive, white, fine-grained siliceous rock similar to quartzite in appearance (slightly porous; with distinct small dark limonite/Mn oxide spots in the body of the rock, or dendrites on fracture surfaces). The rock is slightly scratched by steel, weakly magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (but there may be 10-20% that etches white for plagioclase; difficult to tell at this fine grain size). Modal mineralogy in regular thin section is approximately:

Quartz	50%
White mica (sericite, muscovite)	25%
Plagioclase (albite-oligoclase?)	15%
Greenish biotite (partly chloritized)	5%
Opaque (mainly magnetite?)	2%
(limonite)	<1%
Chlorite (mainly after biotite?)	1%
Tourmaline (schorl)	<1%
Zircon (?)	trace

This sample is not obviously bedded, either from grain size/mineralogic variation, or alignment of flaky minerals (possibly an alteration texture?). It consists mainly of fine-grained quartz (and lesser, difficult to quantify, plagioclase), white mica, greenish biotite (locally partly chloritized), and euhedral opaques plus accessory tourmaline, trace zircon (?).

Quartz occurs as a framework of interlocking subangular grains mostly <0.1 (rarely to 0.15) mm in diameter, with random orientations. It shows mainly weak to moderate undulose extinction, sub-grain development and suturing of grain boundaries, indicating low to moderate strain.

Plagioclase is difficult to recognize, forming subhedral grains/crystals <0.1 mm with polysynthetic twinning (extinction on 010 <10º) and near-neutral to possibly negative relief compared to quartz, suggestive of composition near albite-oligoclase (?). It is difficult to be sure how much plagioclase is present given the fine grain size and general lack of twinned grains; but it is presumed to fairly common. It could be due to alteration or be original (detrital).

White mica occurs either as coarser, euhedral flakes to about 0.2 mm, or finer, interstitial sericite mostly <50 μm but in loose aggregates to about 0.1 mm. Both types are mainly randomly oriented, possibly suggesting they represent alteration or at least metamorphic recrystallization.

Biotite is distinctly greenish brown, forming ragged blastic subhedral crystals or aggregates up to 0.4 mm in diameter. Similar biotite has been described as "neoblastic" in other Belt Group rocks, indicative of metamorphic recrystallization, but possibly also reflecting alteration (?). The biotite is locally partly retrograded to chlorite with similar optical properties to those in other samples of this suite (very pale green pleochroism, greyish green, length-fast birefringence) suggesting somewhat magnesian composition (F:M perhaps 0.4?).

Most of the opaque mineral occurs as discrete euhedra to 0.5 mm, probably magnetite, possibly an alteration overprint (or metamorphic product?), in places associated with the green biotite and chlorite. Locally, minor limonite occurs as traces of amorphous orange-brown material along fractures or intergranular surfaces.

Accessory tourmaline forms stubby sub/euhedra with dark green pleochroism implying schorl composition (F:M 0.8?), and relatively rare zircon (?) occurs as short euhedra <35 μm.

In summary, this may represent "bleached" (altered) fine meta-sandstone, now composed of quartz-white mica (muscovite and finer sericite)-plagioclase-minor blastic greenish biotite (slightly chloritized)-opaque (magnetite?)-accessory tourmaline (schorl)-trace zircon (?).

DA16-23: DISRUPTED/FRAGMENTAL, FINE SAND-SIZED SEDIMENTARY ROCK NOW COMPOSED OF (ALTERED TO?) QUARTZ-SERICITE-BLASTIC GREENISH BIOTITE (PARTLY CHLORITIZED)-OPAQUE (ILMENITE?)-ACCESSORY EPIDOTE (±ALLANITE?)-TOURMALINE (SCHORL)

Described as oxide facies between reduced quartzites; hand specimen shows greenish grey fine-grained massive rock with disrupted bedded appearance visible in etched offcut (and small dark green "neoblastic" biotite). The rock is mainly softer than steel, not magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (white etched portions of coarser-grained siltstone may indicate sericite rather than plagioclase). Modal mineralogy in regular thin section is approximately:

Quartz (mainly detrital, rarely secondary with blastic biotite)	45%
White mica (sericite, muscovite)	40%
Greenish biotite (partly chloritized)	7-8%
Opaque (unidentified, possibly ilmenite ± trace limonite)	3-4%
Chlorite (mainly after biotite?)	1-2%
Epidote (cores of allanite?)	1-2%
Tourmaline (schorl)	<1%

The thin section reveals a disrupted bedded to finely fragmental texture, with subangular to flattened "chips" of somewhat heterogeneous, but mostly "mudstone" (finer-grained, sericite-rich) composition up to almost 1 cm long, more or less aligned in the presumed plane of bedding marked elsewhere by variation in grain size and mineralogy. Mineralogy is similar to that of DA16-22 with abundant quartz and sericite, blastic, partly chloritized greenish biotite, accessory opaque, epidote, tourmaline, but plagioclase is not detected.

Quartz occurs as a framework of interlocking subangular grains mostly <50 μm (rarely to 0.1 mm) in diameter, with random orientations. It shows mainly weak to moderate undulose extinction, sub-grain development and suturing of grain boundaries, indicating low to moderate strain. It is not clear if any plagioclase is present; no polysynthetic twinning is recognized.

White mica occurs mostly as fine, interstitial sericite mostly <35 μm or rarely in euhedral flakes of muscovite up to about 0.1 mm. Both types are mainly randomly oriented, possibly suggesting they represent alteration ore at least metamorphic recrystallization.

Biotite is somewhat greenish brown, forming ragged blastic subhedral crystals or aggregates up to 0.5 mm in diameter with "neoblastic" texture (overgrowing/including all other minerals), possibly reflecting metamorphism/alteration (?). The biotite is locally partly retrograded to chlorite as euhedral flakes to 0.4 mm with pale green pleochroism, greyish green, length-fast birefringence suggesting somewhat magnesian composition (F:M 0.4?), or rarely associated with secondary quartz <0.12 mm in size.

Most of the opaque mineral occurs as very fine, commonly tabular euhedra mostly <50 μm (possibly ilmenite?), commonly associated with subhedral crystals or small aggregates of epidote up to 0.1 mm in size (pale yellow pleochroism suggestive of moderate Fe content) cored by semi-opaque or brownish mineral <50 μm (allanite?), suggestive of possible alteration overprint (or metamorphic product?). Biotite/chlorite, opaques and epidote are in places associated with accessory tourmaline forming stubby sub/euhedra <75 μm with dark green pleochroism implying schorl composition (F:M 0.8?). Locally, minor limonite occurs as traces of amorphous orange-brown material along fractures or intergranular surfaces.

In summary, this appears to represent disrupted/fragmental, fine sand-sized meta-sedimentary rock now composed of (altered to?) quartz-sericite-blastic greenish biotite (partly chloritized)-opaque (ilmenite?)-accessory epidote (±allanite?)-tourmaline (schorl).

DA16-54: FINE SAND-SIZED META-SEDIMENTARY ROCK ("QUARTZITE") ALTERED TO SERICITE-CARBONATE (CALCITE, FE-CALCITE)-MINOR CHLORITE-OPAQUE (MAGNETITE, LIMONITE?)-POSSIBLE ZIRCON/MONAZITE (?), WITH TRACE TOURMALINE LIKELY ORIGINAL DETRITAL

Described as spotted quartzites; hand specimen shows white or pale grey fine-grained massive rock with no obvious bedding, but somewhat aligned <1 cm long dark lensy aggregates of uncertain identity, and small orange-brown "spots", likely of Fe-carbonate oxidized to limonite. The rock is harder than steel, slightly magnetic (in the large dark aggregates), shows minor reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (and no readily identifiable white etch for plagioclase). Modal mineralogy in regular thin section is approximately:

Quartz (mainly detrital, rarely secondary with blastic biotite)	65%
White mica (sericite, muscovite)	20%
Carbonate (calcite, Fe-calcite?)	10%
Chlorite (after biotite?)	2-3%
Opaque (unidentified, possibly magnetite, limonite)	2-3%
Zircon/monazite?)	<1%
Tourmaline (schorl)	<1%

This sample consists mainly of quartz, lesser white mica (mainly sericite), minor carbonate, accessory chlorite, opaque, zircon/monazite (?) and tourmaline. The prominent dark-coloured aggregates are not readily identified in thin section, but the small orange spots are Fe-carbonate partly oxidized to limonite. Plagioclase is not recognized; overall, the texture is distinctly altered.

The framework of quartz grains making up the bulk of the sample consists of interlocking, subangular grains mainly <0.1, but locally up to 0.2, mm in diameter. The quartz shows moderate undulose extinction, sub-grain development, and suturing of grain boundaries, suggestive of strain (although some of the fine-grained, sutured quartz between the larger grains could represent diagenetic, secondary overgrowth rims).

The quartz grains are typically separated by a matrix of fine-grained sericite (sub/euhedral flakes mostly <35 μm, but locally in aggregates up to 0.1 mm, possibly suggestive of former detrital muscovite flakes?). It is possible that some sericite could represent the replacement of former plagioclase, but this is considered unlikely on the basis of textural evidence.

Carbonate is also present interstitial to the quartz in places, forming ragged sub/anhedral crystals up to about 0.2 mm in diameter that are mostly clear, with lower change of relief on rotation (likely calcite?) compared to the orange-brown carbonate in the "spots" which, as indicated by the alteration to limonite, are likely Fe-calcite (they react too readily in hand specimen to be ankerite).

Scattered small, blastic crystals of chlorite mostly <0.2 mm in diameter could be after former neoblastic biotite (?). They show distinct green pleochroism and near-zero birefringence, suggestive of somewhat higher Fe than in previous samples (F:M 0.5?).

Opaques are mainly either euhedral crystals to 0.4 mm (possibly magnetite, partly oxidized to hematite to explain the weak magnetism in hand specimen?) or amorphous, intergranular stains of limonite. In places, anomalous concentrations of what are tentatively identified as zircon or monazite (stubby, rounded euhedra mainly <0.1 mm long) are associated with the opaques, chlorite or relatively rare (possibly detrital?) tourmaline with dark green, locally zoned (paler cored) pleochroism forming stubby subhedra to 0.1 mm (schorl, F:M 0.7?). It is these loose, poorly defined areas of opaques (magnetite, limonite) and anomalous zircon/monazite (?) that appear to be dark in the hand specimen.

In summary, this appears to be fine sand-sized meta-sedimentary rock ("quartzite") altered to sericite-carbonate (calcite, Fe-calcite)-minor chlorite-opaque (magnetite, limonite?)-possible zircon/monazite (?), with trace tourmaline (likely original detrital).

DA16-83: "QUARTZITE" ALTERED TO SERICITE-CARBONATE (CALCITE, FE-CALCITE)-MINOR CHLORITE-OPAQUE (MAGNETITE, LIMONITE, MN-OXIDE?), ZIRCON/MONAZITE (?), SCHORLITIC TOURMALINE (POSSIBLY HYDROTHERMAL?)

Described as different spotted quartzites, but hand specimen is similar to DA16-54: white/pale grey fine-grained massive rock with no obvious bedding, but somewhat aligned 1-2 cm long dark lensy aggregates of uncertain identity, and small orange-brown "spots", likely of Fe-carbonate altered to limonite. The rock is harder than steel, slightly magnetic (in the large dark aggregates), shows minor reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (and no readily identifiable white etch for plagioclase). Modal mineralogy in regular thin section is approximately:

Quartz (mainly detrital)	65%
White mica (sericite, muscovite)	20%
Carbonate (calcite, Fe-calcite?)	10%
Chlorite (after biotite?)	2-3%
Opaque (unidentified, possibly magnetite, limonite, Mn-oxides?)	1-2%
Zircon/monazite?)	<1%
Tourmaline (schorl, possibly hydrothermal?)	<1%

This sample consists mainly of quartz, lesser white mica (mainly sericite), minor carbonate, accessory chlorite, opaque, zircon/monazite (?) and tourmaline. The prominent dark-coloured aggregates are not readily identified in thin section, but the small orange spots are Fe-carbonate partly oxidized to limonite. Plagioclase is not recognized; overall, the texture is distinctly altered.

The framework of quartz grains making up the bulk of the sample consists of interlocking, subangular grains mainly <0.2, but locally up to 0.3, mm in diameter. The quartz shows moderate to locally strong undulose extinction, sub-grain development, and suturing of grain boundaries, suggestive of strain (although some of the fine-grained, sutured quartz between the larger grains could represent diagenetic, secondary overgrowth rims). Subtle planar features in some quartz grains appear to be randomly oriented, suggestive of pre-sedimentation strain.

The quartz grains are typically separated by a matrix of fine-grained sericite (sub/euhedral flakes mostly <35 μm) with a poorly developed alignment suggestive of bedding/foliation. Locally there are also much coarser, euhedral flakes (relict detrital muscovite?) up to almost 0.5 mm with two preferred orientations, one parallel to the sericite and one oblique to it, possibly a crenulation cleavage. It is possible that some sericite could represent the replacement of former plagioclase, but this is considered unlikely on the basis of textural evidence.

Carbonate also occurs interstitial to the quartz (mixed with sericite), as ragged sub/anhedra up to ~0.25 mm in diameter that are mostly clear, with lower change of relief on rotation (calcite?) in contrast to the orange-brown carbonate in the "spots" with irregular rounded outlines up to ~2 mm which are commonly partly plucked by section preparation, and as indicated by common alteration to limonite, are likely Fe-calcite (generally react too readily in hand specimen to be ankerite).

Scattered small, blastic crystals of chlorite mostly <0.25 mm, locally associated with "spots" of carbonate, could be after former neoblastic biotite (?). They show distinct green pleochroism and weak length-slow birefringence, suggestive of higher Fe than in previous samples (F:M 0.5-0.6?).

Opaques are mainly either euhedral crystals to 0.3 mm (possibly magnetite, partly oxidized to hematite to explain the weak magnetism in hand specimen?) or amorphous, intergranular stains of limonite (and Mn-oxides?). In places, anomalous concentrations of what are tentatively identified as zircon or monazite (stubby, rounded euhedra mainly <0.1 mm long) are associated with the opaques, chlorite and local (detrital or possibly hydrothermal?) tourmaline with very dark green, unzoned pleochroism forming ragged stubby subhedra to 0.15 mm (schorl, F:M 0.8?). It is these loose, poorly defined areas of opaques (magnetite, limonite, Mn-oxides?) and anomalous zircon/monazite (?) that appear to be dark in the hand specimen.

In summary, this appears to be fine sand-sized meta-sedimentary rock ("quartzite") altered to sericite-carbonate (calcite, Fe-calcite)-minor chlorite-opaque (magnetite, limonite, Mn-oxide?) and possible zircon/monazite (?) plus local tourmaline (possibly hydrothermal?).

DA16-66: QUARTZITE (WITH LOCAL CLASTS OF MUDSTONE?) ALTERED TO SERICITE-LIMONITE (HEMATITE/GOETHITE?)-TOURMALINE (INTERMEDIATE DRAVITE/SCHORL?)

Described as hematite spotted quartzites; hand specimen shows white medium-grained massive rock with local lenses of pale green "mudstone" (bedding?), and common 1-2 cm irregular "spots" or aggregates of red- to orange-brown limonite. The rock is harder than steel, not magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (and no readily identifiable white etch for plagioclase). Modal mineralogy in regular thin section is approximately:

Quartz (mainly detrital; minor secondary overgrowths)	85%
White mica (sericite: interstitial, and in mudstone clasts)	10%
Voids (pore space or plucking?)	2-3%
Opaque (unidentified, mainly limonite, trace ilmenite?)	1-2%
Tourmaline (schorl, mixed with sericite, hydrothermal?)	<1%

This sample consists mainly of detrital quartz, minor white mica (mainly sericite), accessory opaques and tourmaline. The prominent red-brown spots/irregular aggregates appear to be mainly limonite. Tourmaline is only found mixed with sericite in the lenses/chips of "mudstone", suggesting an original compositional (or hydrothermal?) origin.

The framework of quartz grains making up the bulk of the sample consists of interlocking, subrounded to subangular grains mainly in the 0.5 to 1 mm (rarely to 1.3 mm) size range. The quartz shows weak to locally moderate undulose extinction, minor sub-grain development and suturing of grain boundaries, suggestive of strain; subtle planar features in some quartz grains appear to be randomly oriented, suggestive of pre-sedimentation strain. Much of the fine-grained, sutured quartz between the larger grains likely represents diagenetic, secondary overgrowth rims, although in places small lithic clasts of "chert" are <0.5 mm in diameter.

The quartz grains are typically separated either by the secondary quartz, or by a matrix of fine-grained sericite (matted, sub/euhedral flakes mostly <35 μm) typically with two alignments sub-perpendicular to each other, possibly suggestive of bedding and foliation or cleavage respectively. Locally the sericite is concentrated in what appear to be relict clasts (?) up to almost 1 cm long oriented sub-parallel/oblique to the sericite orientations. It is possible that some sericite in smaller aggregates could represent the replacement of former plagioclase, but this is considered unlikely.

Tourmaline is found mainly in the sericitic aggregates or relict clasts, as small acicular crystals up to 0.13 mm long, mainly oriented sub-parallel to outlines of the clast and to the main sericite alignment. (Rarely, coarser, stubby crystals of tourmaline to 0.1 mm occur within quartz, as do rare euhedral flakes of muscovite of similar size.) Pale green pleochroism for tourmaline suggests intermediate dravite-schorl composition (F:M 0.5-0.6?). Small tabular opaques <0.15 mm long, also found in the relict clasts, could be ilmenite (?).

The "spots" are due to irregular concentrations of intergranular, microcrystalline (5-10 μm) to amorphous limonite with dark red-brown colour possibly suggestive of a hematite-goethite mixture. Voids with irregular outlines mostly <0.5 mm across associated with these sites may represent plucking during section preparation, or original/developed porosity, or both.

In summary, this appears to be quartzite (with local clasts of mudstone?) altered to sericite-limonite (hematite/goethite?)-tourmaline (intermediate dravite/schorl?).

DA16-209: "SILTSTONE" (ACTUALLY FINE SAND-SIZED METASEDIMENTARY ROCK), COMPOSED OF QUARTZ (±PLAGIOCLASE)-SERICITE, WITH MINOR BLASTIC BIOTITE ASSOCIATED WITH MORE ABUNDANT OPAQUES-EPIDOTE-TRACE TOURMALINE, ZIRCON DEFINING DISRUPTED BEDDING

Described as possible redox front; hand specimen shows pale grey-white siltstone (?) grading locally to pale purplish siltstone (?), with bedding planes and fracture surfaces locally partly coated by limonite emanating from discrete rusty pseudomorphs (after biotite or pyrite?). The rock is partly scratched by steel, not magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (but minor white etch for fine interstitial plagioclase is detected). Modal mineralogy in regular thin section is approximately:

Quartz	50%
White mica (sericite, muscovite)	35%
Plagioclase (albite--oligoclase?)	8%
Opaque (limonite/hematite, carbonaceous matter?)	3%
Biotite (pale brown, blastic)	2%
Epidote	1-2%
Tourmaline (schorlitic)	<1%
Zircon?	<1%

This sample consists mainly of fine-grained quartz-white mica (interstitial sericite-detrital muscovite) and minor plagioclase, accessory opaques, scattered blastic biotite, accessory epidote, rare tourmaline and zircon. Wispy concentrations of sericite, opaques and epidote appear to define somewhat disrupted bedding planes, as noted in hand specimen, with local beds <2 mm thick "wrapping" around rounded or lensoidal, more quartz-rich domains (clasts?) mostly <1 cm in diameter.

Framework quartz grains, especially in the quartz-rich domains, are typically interlocking, subangular, 0.1-0.2 mm in diameter, and randomly oriented. They are generally separated from each other by a matrix of interstitial sericite and muscovite. The quartz shows mainly moderate to locally strong undulose extinction, sub-grain development and suturing of grain boundaries, indicating strain. Plagioclase is only rarely recognized, as subhedral grains/crystals <0.1 mm with polysynthetic twinning (extinction on 010 ~10º) and possibly negative relief compared to quartz, suggestive of composition near albite-oligoclase (?). It is difficult to be sure of how much plagioclase is present given the fine grain size and general lack of twinned grains; some may also be converted to sericite. It seems likely to be original (detrital) but this not sure.

Probably detrital white mica flakes are mainly <0.3 mm, typically aligned either sub-parallel to disrupted bedding, or oblique to it (cleavage direction?). They are euhedral to slightly ragged at margins (overgrowths or attacked by matrix sericite?).

Biotite forms blastic subhedral flakes or rounded aggregates <1 mm in size with pale brown pleochroism that appear to have overgrown quartz of the matrix, or are associated with cores of secondary quartz, suggestive of a later (diagenetic/metamorphic/hydrothermal?) origin.

Opaques tend to be associated with the biotite, occurring in somewhat lens-shaped, up to 2 mm long, or more equant, <0.4 mm aggregates, the former typically aligned in the plane of bedding, and the latter strongly suggestive of pseudomorphs after pyrite or magnetite. The identity of the opaques is uncertain, but could include limonite, hematite and/or carbonaceous matter (?). Very minor epidote-group mineral as sub/euhedra mostly <50 μm and pale yellow pleochroism indicative of moderate Fe content may be associated with the opaques. Relatively rare accessory tourmaline (likely detrital, stubby euhedra <50 μm with moderate green pleochroism indicative of schorl, F:M 0.7?) and traces of zircon (?) as stubby euhedra <35 μm are locally present.

In summary, this appears to be "siltstone" (actually fine sand-sized metasedimentary rock), composed of quartz (±plagioclase)-sericite, with minor blastic biotite associated with more abundant opaques-epidote-trace tourmaline, zircon defining disrupted bedding. Some sericite, the biotite and epidote may represent a later (diagenetic, metamorphic or hydrothermal?) overprinting.

DA16-174: "BLEACHED" (ALTERED) VERY FINE META-SANDSTONE, NOW COMPOSED OF QUARTZ-WHITE MICA (MUSCOVITE AND FINER SERICITE)-PLAGIOCLASE-ACCESSORY BLASTIC GREENISH BIOTITE (SLIGHTLY CHLORITIZED)-OPAQUE (MAGNETITE?)-LIMONITE- TRACE TOURMALINE (SCHORL)-ZIRCON (?)

Described as bleached, chalky originally quartzitic; hand specimen shows a massive/faintly bedded, white, fine-grained altered-looking rock similar to quartzite in appearance (slightly porous; chalky, with distinct small dots of opaque and dendritic limonite/Mn oxide in the body of the rock). The rock is scratched by steel, weakly magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (but there may be 10-20% that etches white for plagioclase; difficult to tell at this fine grain size). Modal mineralogy in regular thin section is approximately:

Quartz	60%
White mica (sericite, muscovite)	25%
Plagioclase (albite-oligoclase?)	12%
Opaque (mainly magnetite, partly oxidized?)	1-2%
(limonite, amorphous/stains)	1-2%
Biotite (slightly chloritized locally)	<1%
Tourmaline (schorl)	<1%
Zircon (?)	trace

This sample is faintly bedded, due to subtle grain size/mineralogic variation, and weak alignment of flaky minerals. It consists mainly of fine-grained quartz (and lesser, difficult to quantify, plagioclase), white mica, rare greenish biotite (locally partly chloritized), and euhedral opaques plus trace accessory tourmaline, zircon (?). It is not clear what causes the soft, "chalky" altered character since plagioclase is harder than steel.

Quartz occurs as a framework of interlocking subangular grains mostly <0.1 (rarely to 0.15) mm in diameter, with random orientations. It shows mainly weak to moderate undulose extinction, sub-grain development and suturing of grain boundaries, indicating low to moderate strain.

Plagioclase is difficult to quantify, forming subhedral grains/crystals <75 μm where it shows polysynthetic twinning (extinction on 010 <10º) and near-neutral to possibly negative relief compared to quartz, suggestive of composition near albite-oligoclase (?). It is difficult to be sure how much plagioclase is present given the fine grain size and general lack of twinned grains; but it is presumed to fairly common. The plagioclase could be due to alteration or be original (detrital).

White mica occurs either as coarser, euhedral flakes to about 0.2 mm that are commonly aligned with bedding, or finer, mainly randomly oriented, interstitial sericite mostly <50 μm but in loose aggregates to about 0.1 mm. The latter may possibly represent alteration, causing the softness or "chalky" character (?), but this is difficult to confirm, given the abundance of sericite in other similar rocks of this suite.

Rare, fine biotite is pale greenish brown, forming ragged blastic subhedral crystals mostly <0.1 mm in diameter, possibly indicating metamorphic recrystallization, or alteration (?). The biotite is locally slightly retrograded to traces of chlorite whose optical properties are difficult to determine.

Most of the opaque mineral occurs as discrete euhedra <0.4 mm, probably magnetite, possibly an alteration overprint (or metamorphic product?), in places associated with the green biotite/chlorite. Minor limonite occurs as amorphous orange-brown material along fractures or intergranular surfaces possibly derived by oxidation of the magnetite (?). Accessory tourmaline forms stubby sub/euhedra <25 μm with green pleochroism implying schorl composition (F:M 0.6?), and relatively rare zircon (?) occurs as broken euhedra <70 μm long.

In summary, this represents "bleached" (altered) very fine meta-sandstone, now composed of quartz-white mica (muscovite and finer sericite)-plagioclase-accessory blastic greenish biotite (slightly chloritized)-opaque (magnetite?)-limonite- trace tourmaline (schorl)-zircon (?).

DA16-228: FINE SAND-SIZED META-SEDIMENTARY ROCK ("QUARTZITE") ALTERED TO SERICITE-CARBONATE (FE-CALCITE)-CHLORITE-OPAQUE (LIMONITE), WITH TRACE TOURMALINE (SCHORL)-POSSIBLE ZIRCON/MONAZITE (BOTH LIKELY ORIGINAL DETRITAL?); MINOR PLAGIOCLASE IS OF UNCERTAIN ORIGIN

Described as spotted quartzite with carbonate (?); hand specimen shows pale green/grey fine-grained massive rock with no obvious bedding except for somewhat aligned 1-2 cm long irregular pink to orange-brown aggregates of "spots", likely of Fe-carbonate oxidized to limonite (and sub-perpendicular dark lensy aggregates of uncertain identity). The rock is harder than steel, not magnetic, shows distinct reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (but minor white etch for plagioclase?). Modal mineralogy in regular thin section is approximately:

Quartz (mainly detrital, rarely secondary with blastic biotite)	50%
White mica (sericite, muscovite)	20%
Carbonate (calcite, Fe-calcite?)	15%
Chlorite	7%
Plagioclase (oligoclase?)	5%
Opaque (mostly limonite, after Fe-calcite; minor carbon?)	2-3%
Tourmaline (schorl)	<1%
Zircon/monazite?)	trace

This sample consists mainly of quartz, white mica (muscovite, sericite), variable Fe-carbonate (partly oxidized to limonite), chlorite, plagioclase, accessory tourmaline, zircon/monazite (?). The prominent orange-brown aggregates or spots are Fe-carbonate partly oxidized to limonite; the dark-coloured aggregates are not readily identified in thin section, but may be enriched in limonite and chlorite. Plagioclase is locally recognized but difficult to quantify; overall, the rock texture is distinctly altered.

The framework of quartz grains making up the bulk of the sample consists of interlocking, subangular grains mainly <0.1, but locally up to 0.2, mm in diameter. The quartz shows moderate undulose extinction, sub-grain development, and suturing of grain boundaries, suggestive of strain (some of the fine-grained, sutured quartz between the larger grains could represent diagenetic, secondary overgrowth rims).

White mica occurs both as discrete, euhedral flakes to 0.4 mm, somewhat aligned in the (presumed) bedding plane, and as fine-grained sericite interstitial to quartz (locally mixed with chlorite of similar size). Thus the quartz grains are typically separated by a matrix of fine-grained sericite (sub/euhedral flakes mostly <35 μm, but locally in aggregates up to 0.1 mm, possibly suggestive of replacement of former plagioclase (?).

Carbonate is present only in the "spots" which have irregular outlines several mm across, where it forms sub- to commonly euhedral crystals up to about 0.2 mm in diameter (commonly plucked to leave voids) that are almost all heavily stained by semi-opaque to orange-brown limonite, and therefore likely Fe-calcite (react too readily in hand specimen to be ankerite).

Chlorite occurs either mostly mixed with the sericite (subhedral flakes rarely over 50 μm) or less commonly as small, blastic crystals <0.2 mm in diameter (locally interleaved with muscovite flakes; more or less associated with the carbonate/limonite spots). Chlorite shows distinct green pleochroism and near-zero birefringence, suggestive of F:M ~0.5 (?).

Opaques are mainly microcrystalline or amorphous stains of limonite in the carbonate (the actual carbonate is only rarely visible through the limonite overprint), plus minor amounts of what may be carbonaceous matter as thin aggregates <0.1 mm long. Relatively rare accessory tourmaline with dark green pleochroism forms stubby subhedra < 0.1 mm (schorl, F:M 0.7?) and zircon or monazite (stubby, rounded euhedra mainly <35 μm) are both possibly detrital (?).

In summary, this appears to be fine sand-sized meta-sedimentary rock ("quartzite") altered to sericite-carbonate (Fe-calcite)-chlorite-opaque (limonite), with trace tourmaline (schorl)-possible zircon/monazite (both likely original detrital?). It is not clear what the origin of minor plagioclase is.

DA16-TC: LAMINATED META-FINE SAND/SILTSTONE (QUARTZ, LESSER PLAGIOCLASE, SERICITE/MUSCOVITE, OPAQUE (MAGNETITE, HEMATITE?), MINOR LOCAL BLASTIC RELICT BIOTITE?)

Described as oxide facies laminated Revett Fm; hand specimen shows laminated, alternating dark purplish grey/light grey, very fine-grained rock. The rock is harder than steel, distinctly magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut (but very fine-grained, interstitial white etch likely indicates significant plagioclase). Modal mineralogy in regular thin section is approximately:

Quartz	55%
Plagioclase (albite-oligoclase, detrital?)	25%
White mica (sericite, muscovite)	15%
Opaque (mainly magnetite, hematite?)	2-3%
Blastic relict biotite (pseudomorphed by "hydrobiotite"?)	1-2%

This sample consists of varying proportions of quartz, lesser plagioclase, white mica and accessory opaques, in laminated very fine (meta-) sandstone or siltstone. Fine sand-sized beds are paler and richer in quartz/lesser plagioclase, siltstone is richer in opaques and possibly sericite. Scattered relict blastic biotite (?) appears to have been pseudomorphed by microcrystalline "hydrobiotite" (?).

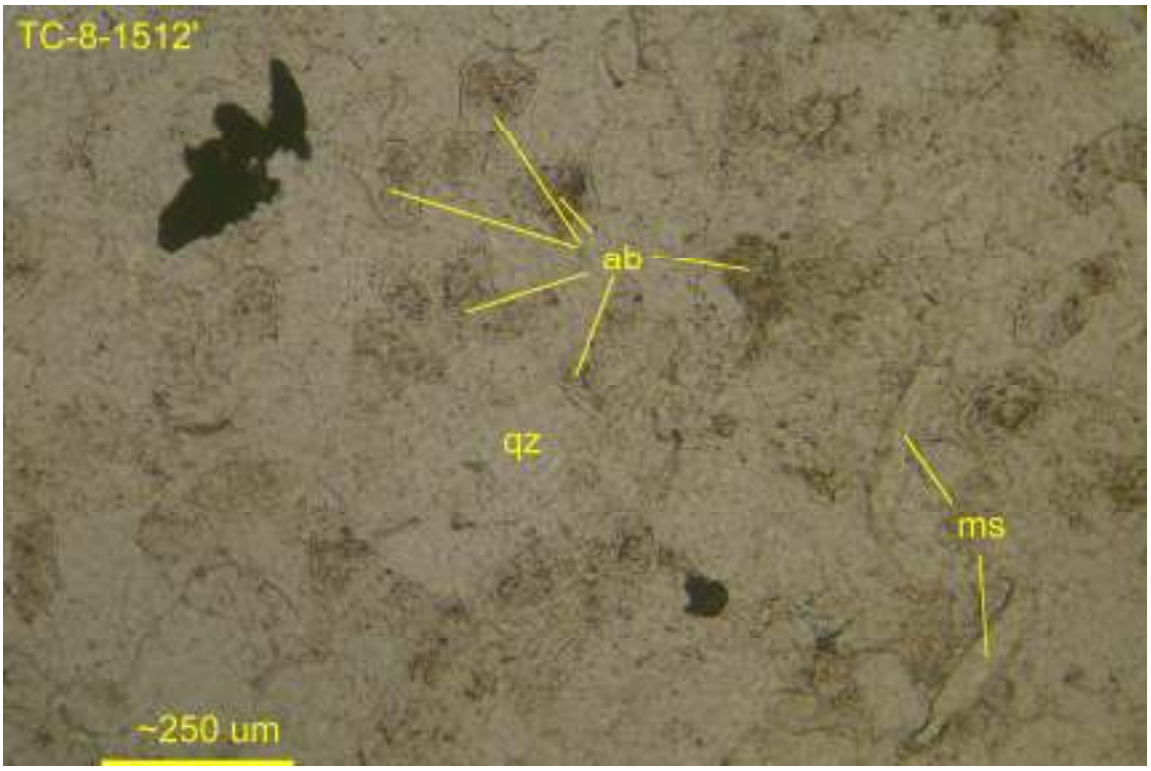
Variation in grain size is subtle; fine sand-sized beds with grain size in the 0.1-0.2 mm size range make up about 65% of the sample, and are up to about 1 cm thick; the remaining third of the sample is only slightly finer-grained (~0.1 mm) in thinner, somewhat darker beds mainly <2 mm.

In general, in both types, quartz forms interlocking subrounded to subangular grains mainly in the 0.1-0.2 mm size range, often difficult to distinguish from plagioclase unless the latter is twinned or shows relief (where not separated by interstitial sericite). The plagioclase forms subhedra mostly smaller than quartz (<0.1 mm) and interstitial to it, as suggested by white etched portions of the offcut, with slight to distinct negative relief against quartz and extinction on 010 mostly <10º, suggestive of albite-oligoclase, slightly replaced in places by minute flakes of clay?/sericite mainly <15 μm. Sericite typically occurs as randomly oriented, subhedral flakes <35 μm interstitial to quartz and plagioclase (some small patches of sericite <0.1 mm across likely represent small mud chips, not highly sericitized feldspar). Coarser, mainly euhedral flakes of muscovite up to 0.35 mm are mostly aligned in the bedding plane

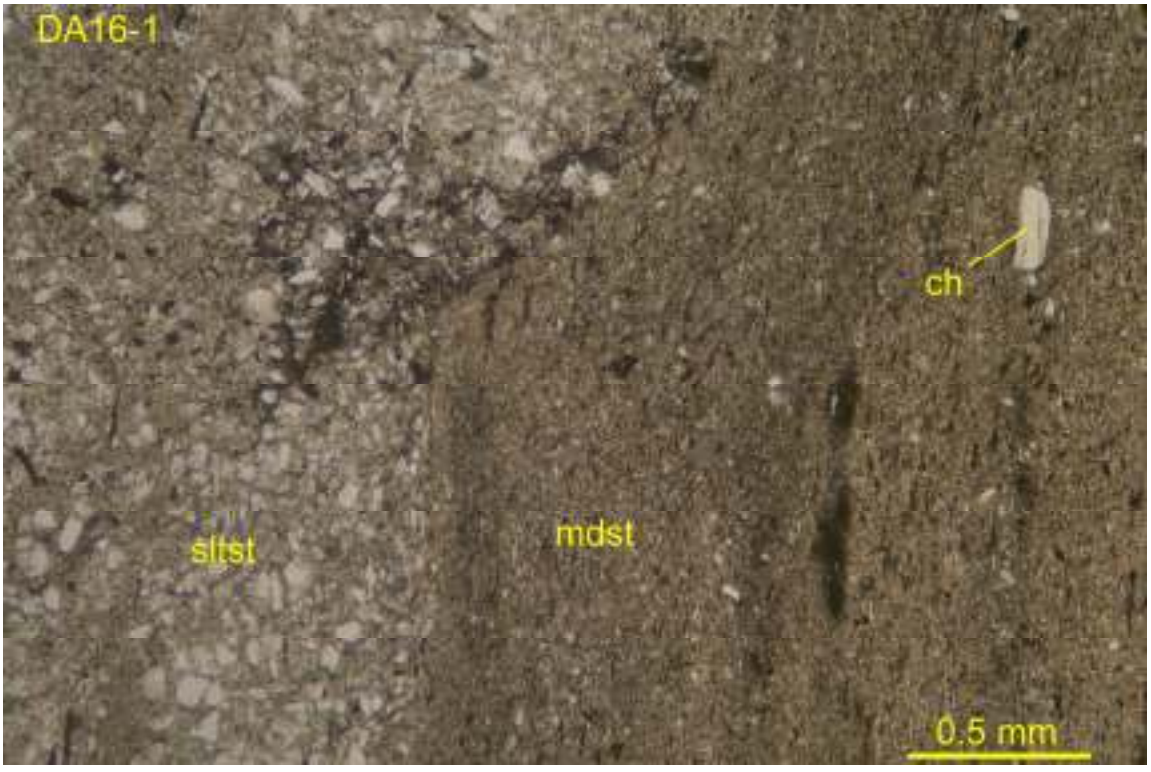
Opaques are either mainly coarse, euhedral (octahedral?) magnetite up to 0.4 mm in diameter, or, especially in the darker, thinner beds, much finer, in the <5 to 10 μm size (aggregating in places to 0.25 mm); the purplish colour in hand specimen/offcut could suggest hematite (i.e. oxide facies?) in these beds.

Presumed relict biotite occurs as widely scattered, euhedral to irregular, sieve-textured (blastic) crystals or aggregates to ~0.5 mm. Although pale brown, the crystals are non-pleochroic, apparently made up of randomly oriented, minute flakes <15 μm of what may be "hydrobiotite" (actually Fe-rich chlorite) pseudomorphing the former biotite (?).

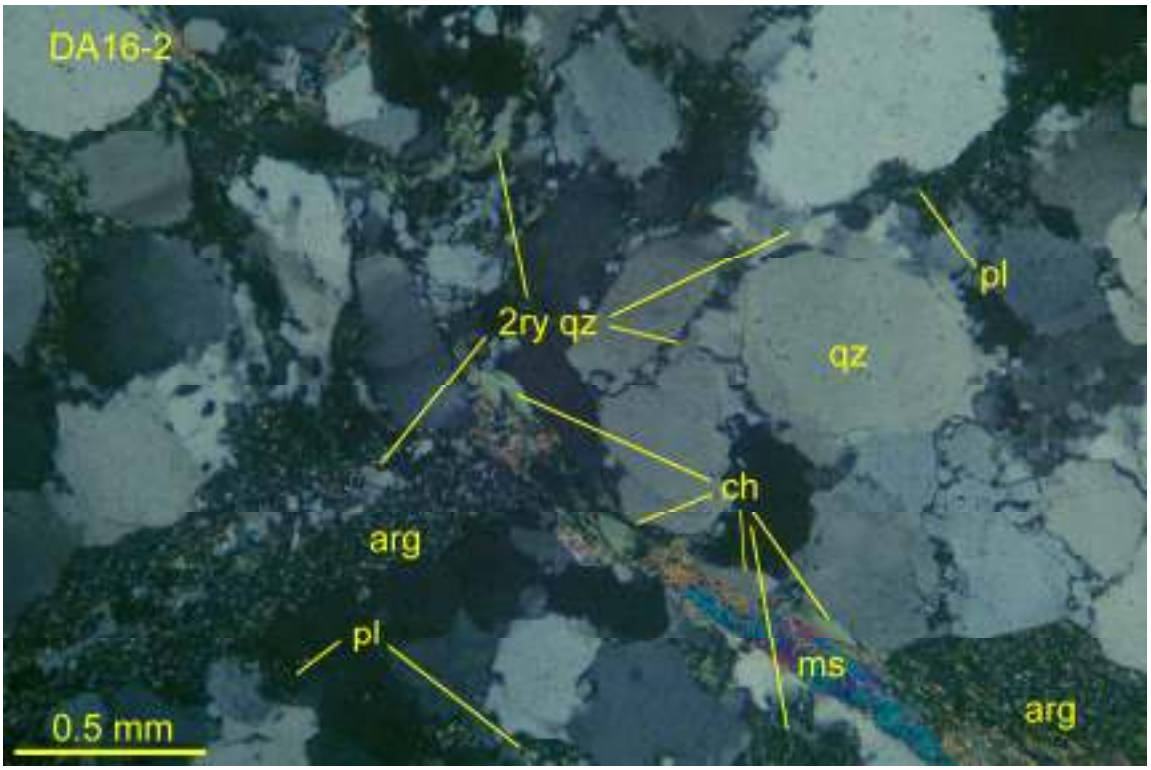
In summary, this appears to represent laminated meta-fine sand/siltstone (quartz, lesser plagioclase, sericite/muscovite, opaque (magnetite, hematite?), minor local blastic relict biotite?).



TC-8-1512': detailed view of quartz (qz) -albite (ab) rich rock to show relief difference and clouding (incipient clay to minor sericite alteration) of feldspar interstitial to quartz. Note coarser flakes of muscovite (ms) and accessory opaque (possibly rutile?). Transmitted plane light, field of view ~1.5 mm wide.

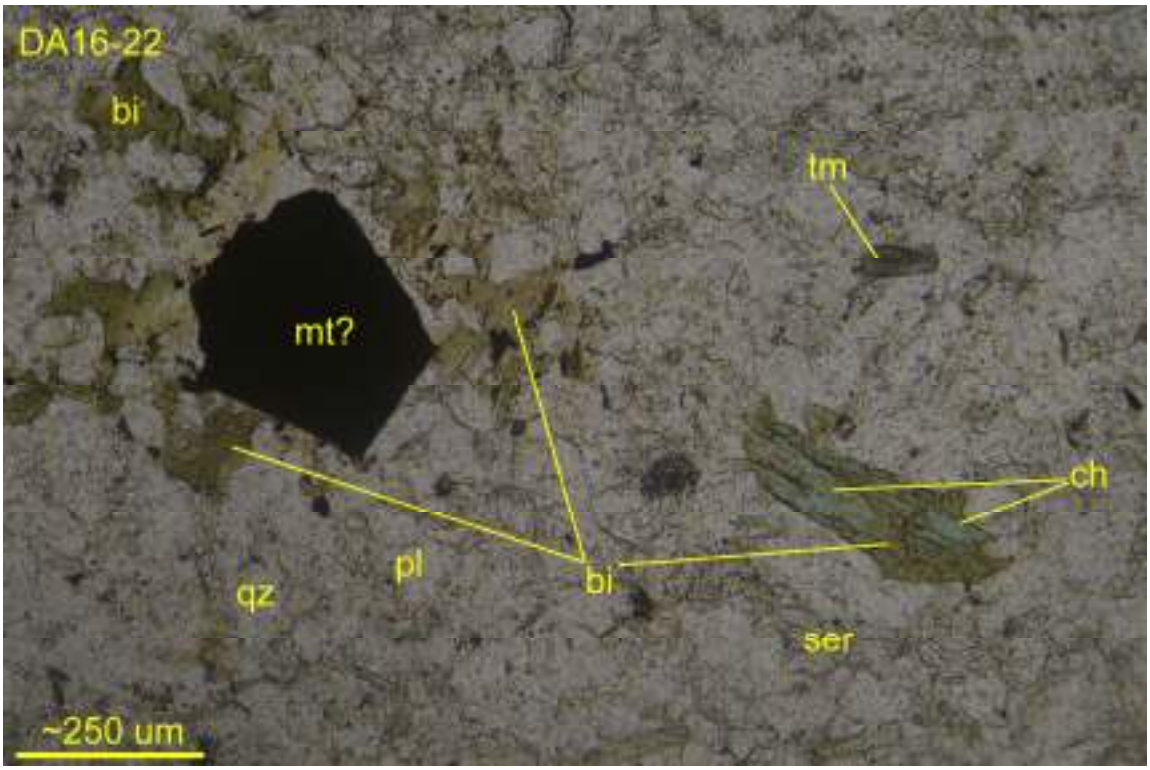


DA16-1: contact (in part disrupted) between fine sand-sized, quartz (±plagioclase)-rich sediment and mud-sized, sericite-rich. finely laminated sediment containing coarse, almost blastic, chlorite (ch) and more abundant fine opaque (possibly limonite/carbonaceous matter). Transmitted plane light, field of view ~3 mm wide.

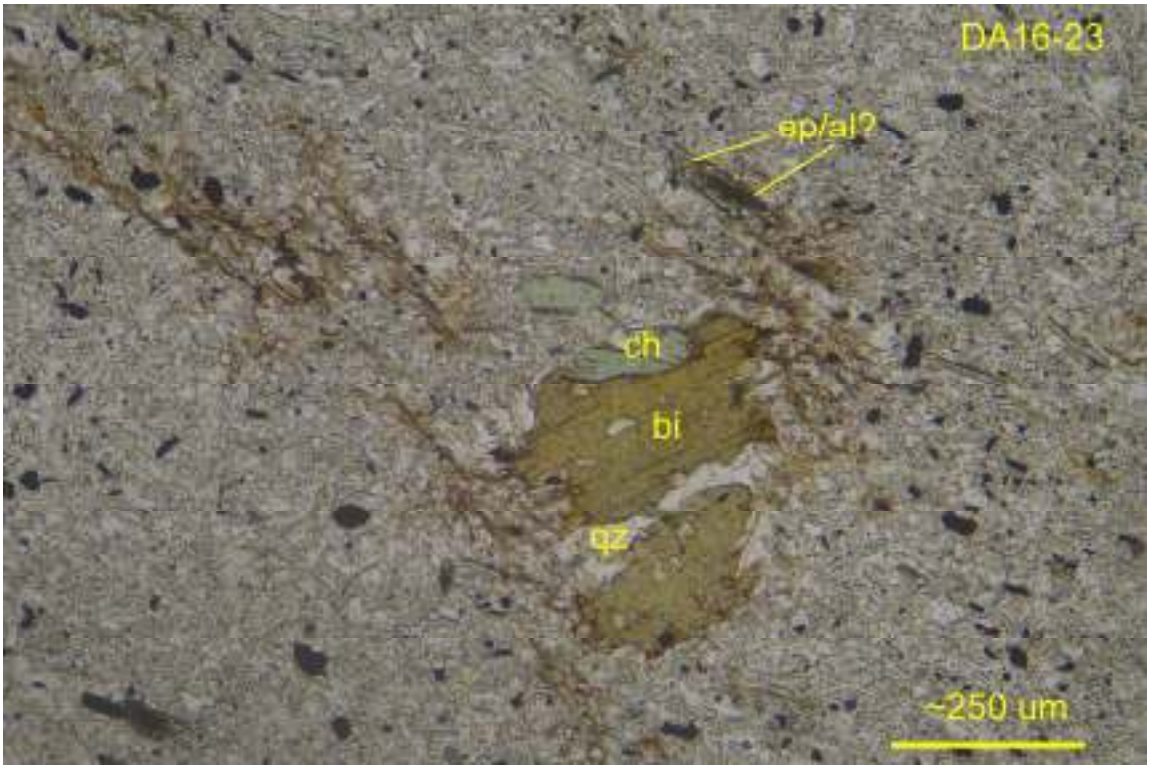


DA16-2: quartzite composed of detrital quartz grains with common overgrowths of secondary quartz, interstitial chlorite (ch), sericite (ser) and local plagioclase (pl), near "argillite" chips composed of very fine-grained sericite or sericite and chlorite, partly aligned parallel to chip margins. Transmitted light, crossed polars, field of view ~3 mm wide.

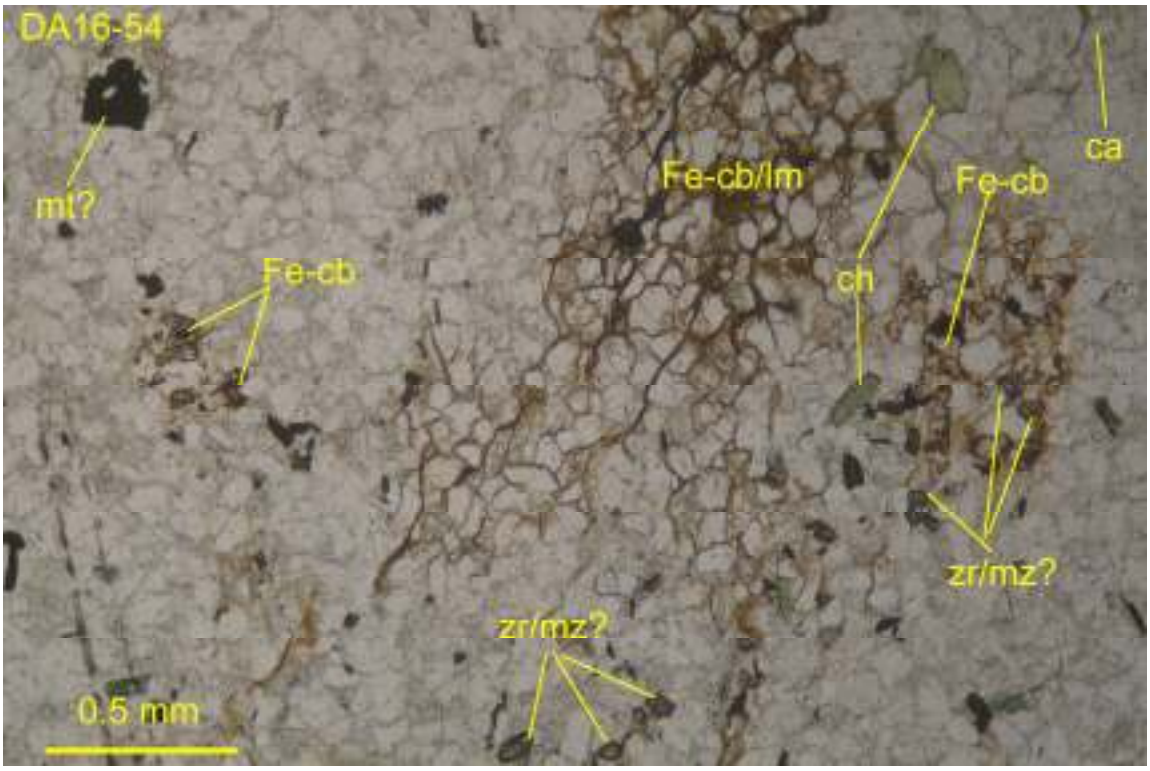
DA16-3: sharp contact between "mudstone" top and "siltstone" base, the former with abundant sericite and opaques, the latter with abundant quartz (±minor plagioclase, not readily distinguishable), both containing chlorite in the matrix (more significant in the latter). Transmitted plane light, field of view~3 mm wide.



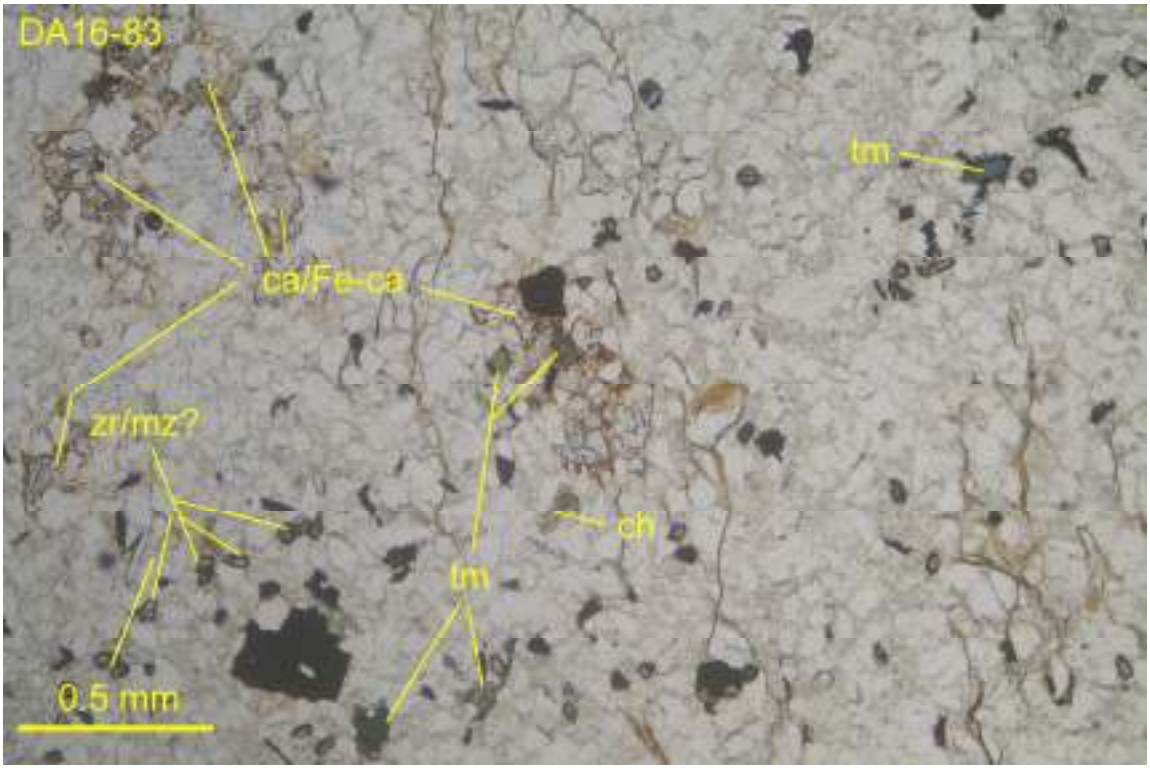
DA16-22: detailed view of euhedral magnetite (mt?) associated with irregular, blastic greenish biotite (partly chloritized at right) in altered-looking fine sand sized quartz, lesser plagioclase and white mica (accessory schorlitic tourmaline, tm). Transmitted plane light, field of view ~1.5 mm wide.



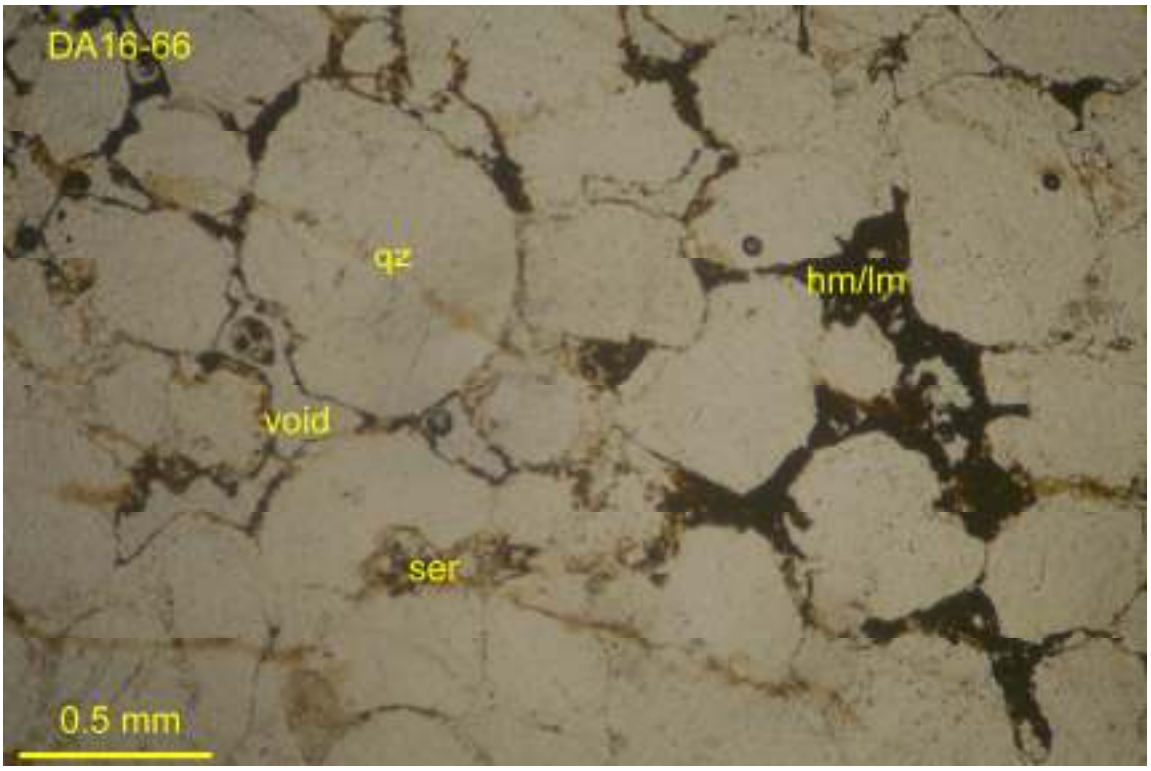
DA16-23: detailed view of blastic greenish biotite/chlorite (minor secondary quartz), in matrix of fine-grained quartz, abundant sericite, accessory opaque (tabular, ilmenite?) and local fine blastic epidote (cored by brownish allanite?), possibly representing an altered fine sandstone (?). Transmitted plane light, field of view ~1.5 mm wide.



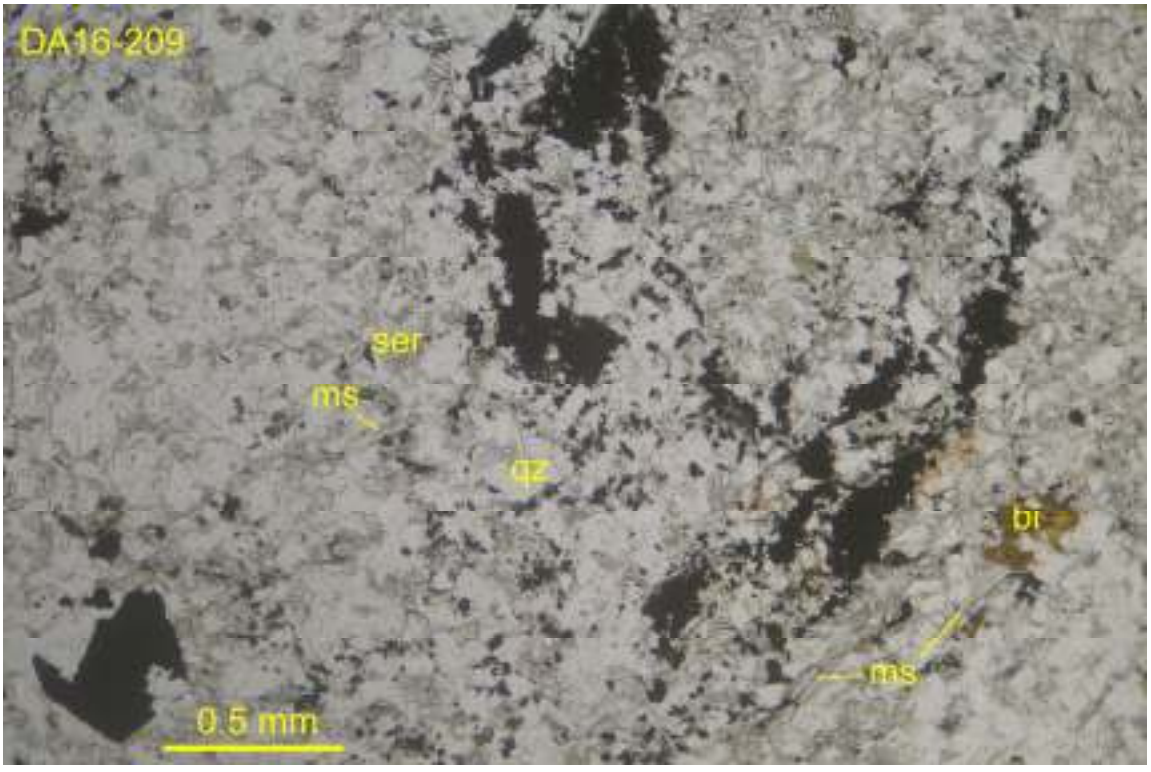
DA16-54: fine sand-sized quartz with interstitial sericite-minor calcite (ca) matrix, local poorly defined areas of orange-brown, intergranular limonite, accessory chlorite (ch), opaque (magnetite?), possible zircon/monazite (zr?) crystals, and nearby limonite-stained Fe-carbonate (cb). Transmitted plane light, field of view ~3 mm wide.



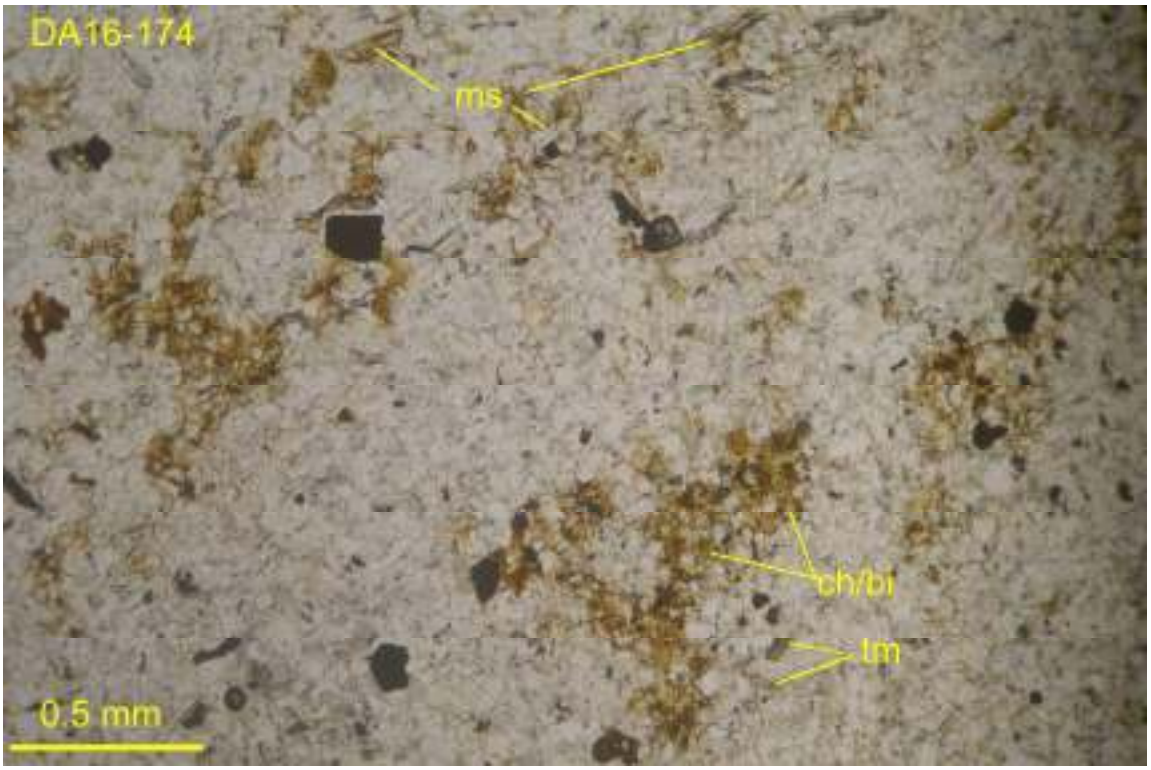
DA16-83: "spots" of limonite-stained Fe-carbonate (partly plucked out) associated in places with minor green chlorite, coarse opaque (magnetite?) and very dark green tourmaline, poorly defined intergranular stains of limonite and/or Mn-oxides, and concentrations of stubby zircon/monazite (?). Transmitted plane light, field of view ~3 mm wide.



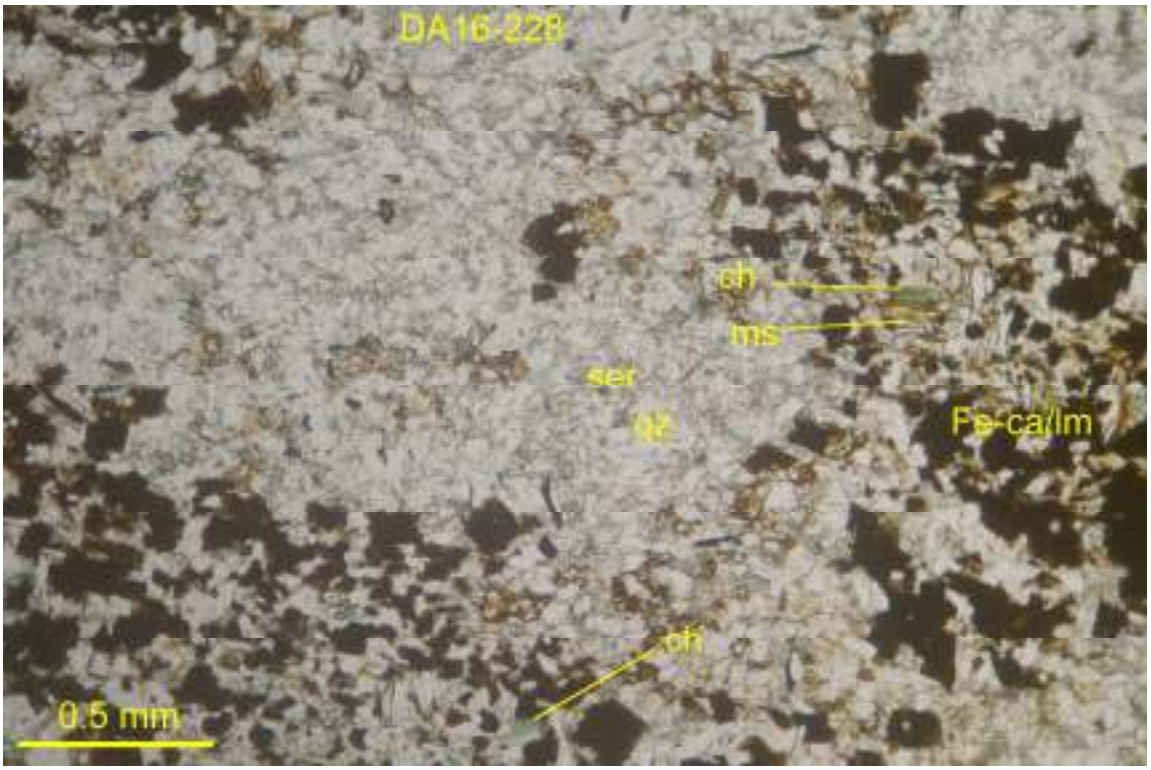
DA16-66: irregular "spot" of microcrystalline limonite (hematite/goethite?) interstitial to subrounded detrital quartz grains (note voids associated with limonite, due to plucking or initial porosity?). Around (and locally in) the spot, sericite fills the interstices between quartz grains. Transmitted plane light, field of view ~3 mm wide.



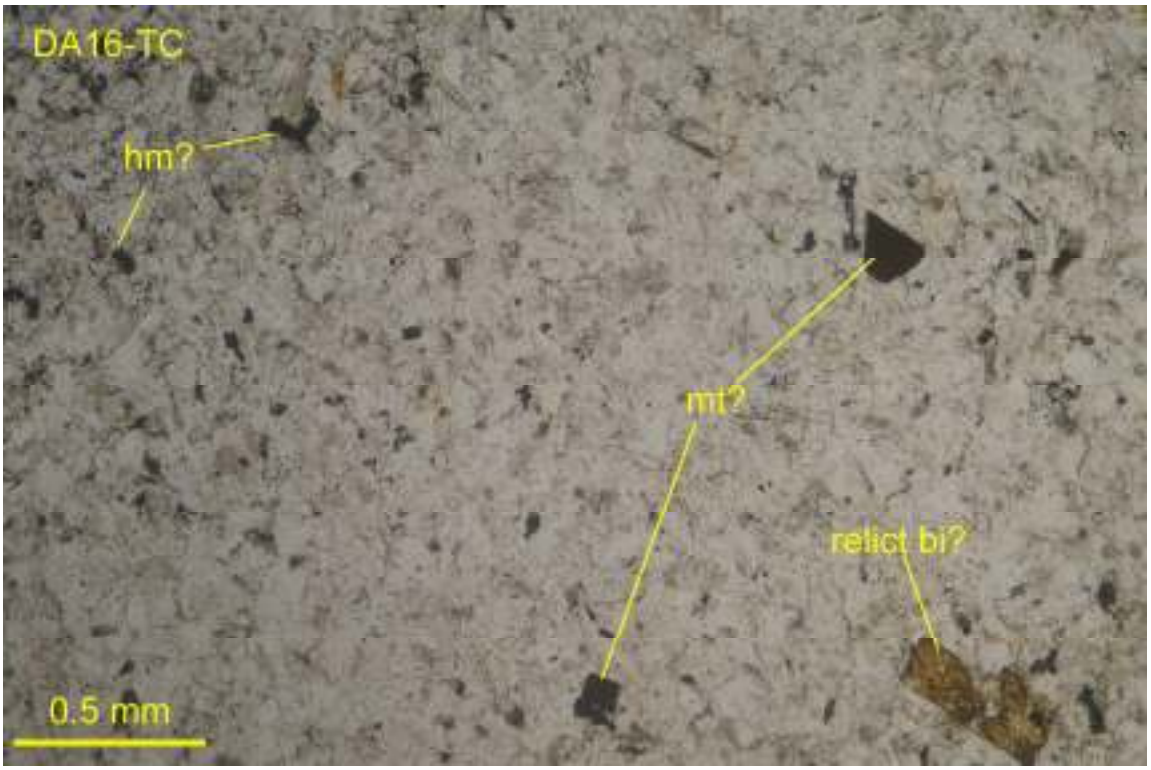
DA16-209: concentrations of minute opaques possibly marking disrupted bedding (and coarser euhedral pseudomorphs), associated with pale brown blastic biotite, in matrix of fine sand-sized quartz (plagioclase not readily discernible) and interstitial white mica (fine sericite, local euhedral muscovite flakes). Transmitted plane light, field of view~3 mm wide.



DA16-174: faintly bedded, very fine sand-sized metasedimentary rock (altered quartzite?) composed of a framework of quartz, minor plagioclase (not discernible) and muscovite flakes, with interstitial sericite (partly due to alteration?), local concentrations of euhedral opaque (magnetite?), limonite stains, accessory tourmaline (tm), and chloritized biotite (ch/bi). Transmitted plane light, field of view ~3 mm wide.



DA16-228: several irregular-shaped Fe-calcite/limonite "spots" in matrix of fine-grained quartz (minor plagioclase, not readily discernible), interstitial sericite/minor chlorite, and scattered euhedral muscovite flakes (note local association of coarser chlorite with muscovite). Transmitted plane light, field of view ~3 mm wide.



DA16-TC: gradational contact between slightly coarser, quartz (±plagioclase) rich bed (on right) containing euhedral opaque (magnetite?) and blastic relict biotite (bi?), and finer-grained, slightly more sericite, fine opaque (hematite?) rich laminae. Transmitted plane light, field of view ~3 mm wide.

Overview of thin sections and offcuts (blue semi-circles mark photomicrograph locations).

Waypoint No.	UTM E	UTM N	Description
BKR-1	587400	5462587	Flat laminated quartzite with some manganese, chlorite and limonite cut by quartz, chlorite and calcite fractures -seds strike 345 degrees dip to E at 4 degrees -fractures strike 110 degrees dip to S at 80 degrees
BKR-10	587590	5462465	Series of thin quartz carbonate with chlorite and chalcopyrite fractures cutting thicker bedded fine grained quartzite - fractures strike 140 degrees dip to W at 80 degrees -seds strike 20 degrees dip to E at 18 degrees
BKR-11	587594	5462489	8 inch thick bed of fine grained quartzite with disseminated limonite cubes and quartz carbonate fracturing with some pyrite
BKR-2	587401	5462592	Flat laminated sand medium bedded from 5m below point to sample site greenish siltstone and some quartzite with rare chalcopyrite -sample of quartzite with fine magnetite, biotite and chlorite with some pyrite along fractures and disseminated cubes
BKR-3	587452	5462602	Above interval -upper foot thick bed of greenish grey fine-grained quartzite with some cross fractures and disseminations with fine pyrite and manganese
BKR-4	587457	5462602	Green siltstone and argillite with some fine grained quartzite -some disseminated chalcopyrite in a six inch interval
BKR-5	587466	5462584	Foot thick fine-grained laminated quartzite with leisgange banding/staining with some quartz fractures with goethite
BKR-6	587480	5462580	Series of limonite stained quartz carbonate veinlets cutting 0.5m thick bed of fine-grained quartzite with some manganese -fracturing striking 110 degrees dip to S at 70 degrees
BKR-7	587489	5462590	Foot thick fine-grained quartzite and siltstone interval with some disseminated pyrite/limonite and possible chalcopyrite
BKR-8	587498	5462577	Flat laminated quartzite a 40cm bed with quartz, carbonate and chlorite with rate chalcopyrite and manganese along vein margins -110 degree trending set
BKR-9	587518	5462597	Foot wide fine-grained quartzite bed with a calcareous greenish grey relic mauve look with thin quartz, carbonate veinlets with chalcopyrite and rare bornite
DA16-120	601190	5437150	
DA16-120	601190	5437150	
DA16-126	600925	5437277	
DA16-126	600925	5437277	
DA16-54	594840	5451515	
DA16-54	594840	5451515	

DA16-55	594825	5451436	
DA16-55	594825	5451436	
DA16-58	594742	5451932	
DA16-58	594742	5451932	
DA16-63	594859	5451408	
DA16-63	594859	5451408	
DA16-65A	594897	5451304	
DA16-65A	594897	5451304	
DA16-67	594880	5451102	
DA16-67	594880	5451102	
DA16-88	594543	5450888	
DA16-88	594543	5450888	
			Mixed Arg/Q/ green /blue colour Bedding 340/28-E.1 cm qtz vein Clorite /lim stain yellow green stain 348/80 -
Mk16-02	592105	5449741	NW.(3Mac)
Mk16-03	592118	5449530	2M OC-SS/Arg/with mag bedding 180/22-E.1 inch qtz vein with Mal/Az stain/cu lim/clorite trend 240/70-N
Mk16-04	594289	5452683	5 M by 10 M long OC/1 metre Q beds with lim 330/20-E 1 inch qtz vein specularite carb alt cer,lim 88/80-S.
Mk16-05	594222	5452621	6 inch grey silty Q,Cu lim,Cupy spots 20/20-E (3Mac)
Mk16-06	594810	5451297	10 M Area with abundant green ss F and sample of storm channel Q with Mang/hem lim stain F.(5Mac)
Mk16-07	594786	5451133	Q/ F/ with hem,lim stain 2/3 feet peices with some grey green ss chips in matrix.(4Mac)
Mk16-08	601200	5437140	TBWhite FGQ Bedding 290/12-N and fracts 300/70-SW 6M OC, weak Dis and fract Cu lim in a 1 foot zone .(5Mac)
Mk16-09	601172	5437104	2 F thick FLS Oc some Cupy/Cu Lim/mal stain.(5Mac)
Mk16-10	601156	5437106	FLQ clorite spots bedding 310/04-NE-E Fracts 270/82-S some Cu limfract and dis.(3Mac).
Mk16-11	601181	5437193	FLFGQ hem lim stain bedding 310/10-ne and fracts 300/88-SW5M OC and (6Mac).
Mk16-12	601197	5437226	2 feet wide FGQ beds with Mag/Culim fracts Bedding-290/18-S and fracts 318/80-S.1 M OC(5Mac).
Mk16-13	601203	5437221	FGQ 1 M band bedding 290/18-S and fracts 300/70-S-SW (4Mac).
Mk16-14	601056	5437232	FLTQ 2feet bedding 310/10-NE and fracts with borinte and mal stain culim?300/78-SW.(5Mac)
Mk16-15	601008	5437294	1 M band of Thin ssand interbedded Q with some Cupy and culim.bedding 335/10-NE.(5Mac)
Mk16-16	601399	5437220	FGQ grey coulor dis culim clorite,5by 2 M OC,bedding 335/2-NE.and fracts 275/70-S.(5Mac).
Mk16-17	601783	5437461	5 by 25 M OC along road Bedding 345/18-E clorite Mag,culim,in a 6 inch zone,Fracts 270/75-S.(4Mac)
Mk16-18	601892	5437498	10by 6 M OC bedding 130/18 FGQ and arg and carb fracts with culim,2-3 inch zone.(5Mac)
Mk16-19	601888	5437613	2 M zone of ss and and thin Q bedds bedding 320/20-NECupy over 1 foot section.(2Mac)

Mk16-20	601870	5437616	Green ss some Q over 1-2 M zone with Cu lim/Cupy bedding 325/18-NE-E same zone as Mk16-19 on strike 25 M,(|5Mac).
Mk16-21	601823	5437640	Green to cream coulored ss 1 and a half M zone with some dis Culim,Cupy/mal stain.bedding 320/21-NE.in 10 by 3 M Oc(3Mac).
Mk16-22	601800	5437655	1by2 M OC 300/18-NE bedding and 1 M section of cream green couloured ss with Culim/mal stainand rare cupy specks.(4Mac)
Mk16-23	601744	5437691	1 F section of cream green coulored dolostone section with cu lim,py cubes bedding 310/18-N-NE.
Mk16-24	601803	5437822	Bedding 325/20-NE a 2 inch bedding parralel qtz vein with weak lim stain and clorite.
Mk16-25	602203	5437506	Bedding 305/18-NE green Q with lim spotting 6 inch band.(4Mac)
Mk16-26	602221	5437524	B=310/28-NE1 M OC of FGQ 4 inch lim spot zone.(5Mac)
Mk16-27	602232	5437588	3 inch grey green FGQ rare lim spots B=318/30-E (2Mac).
Mk16-28	602237	5437595	4 inch FMGQ rare hem stain lim,within a 3 M OC in rd.B=320/25-NE also silver white cer alt dis and on bedding planes and fracts.(2Mac)
Mk16-29	602270	5437632	2by 6 M zone on edge of road CGQ OC rare Cupy,cu lim,B=328/30 NE.(3Mac)
MK16-30			
Mk16-31	602348	5437719	Blocky 2by 2 feet float edge of road Mang spotting Mal stain /culim/over 4 inch zone of FGQ(2Mac)
Mk16-41	596031	5445576	Coarse Qtzite and green ss partings Mal stain/cu lim1 M by 1 foot zone.(4mac)
Mk16-44	601489	5437432	20 by 10 M OC of Grey FLS B=310/12-N/NE Mag/Clorite/F=310/70-SW.
Mk16-45	601485	5437425	FLS grey B=310/18-NE,F=170/70-W/SW 1 inch qtz vein cu lim,mal stain(6mac)
Mk16-46	601434	5437516	Green FLS 2by5 M oc 4 inch zone of rare lim B=310/18-N-NE.
Mk16-47	595128	5448282	Big coarse qtzite Float peice with cu lim?and purple ss chips.
Mk16-48	595132	5448185	TFLS,Clorite spots and small rare dots out of 1.5 M band B=320/12-NE/E.
Mk16-49	595130	5448172	TFLS,Clorite spots and small rare dots out of 1.5 M band B=320/12-NE/E.
Mk16-50	595163	5446651	FLS 6 inch Bedding iron stained B=358/20-E F=270-80-S.(3mac).
Mk16-51	594971	5446625	4 inch zone L/qtzite iron spotting/mag/ B=332/25-E F=250 to 280 trend.(3mac).
Mk16-52	595091	5446494	1 inch qtz vein cutting cutting grey purple qtzites 288 degree trend.
Mk16-53	594945	5446715	Below ridge 1 foot qtite bed grey brown spotsB= 340/20-E F=285/78-S spots lim stain clorite.
Mk16-54	595090	5446979	6 inch qtzite some purple clour clorite spots B=350/30-E,F=vert trending 255 degrees.
Mk16-55	595572	5447221	F 290/65-S smal qtz veins with clorite spots iron stain in chalcky FLS.
SK16-1	603688	5436970	
SK16-10	603813	5437037	Sulphide 'splashes' in a creamy fine grained dol SS, AsPy, PbS? and Cpy
SK16-11	603811	5437029	Sulphide 'splashes' in a creamy fine grained dol SS, AsPy, PbS? and Cpy
SK16-12	603796	5437012	Sulphide 'splashes' in a creamy fine grained dol SS, AsPy, PbS? and Cpy

SK16-2	603594	5436783	
SK16-25	582079	5462398	35 degree trending bx zone with goethite and hematite, carbonate, and chlorite, rare Cpy, calcite+qtz veins
SK16-26	600217	5442351	Dominantly white grey fine grained qtzites, specularite
SK16-27	588070	5429868	Green silty qtz wacke, malachite stained, near the top of C2
SK16-28	588064	5429864	Thin bedded green arg with bornite along bedding planes
SK16-3	603507	5436686	
SK16-31	593697	5449725	med-thick bedded wavy laminated fine grain qtzite with brown carb-rich lenses cut by qtz-cl veins
SK16-39	594949	5446832	Qtz vein swarm with Chl in flat laminated sand
SK16-4	603482	5436654	
SK16-40	594941	5446810	Lithogeochem green flat laminated sand with Fe Carb
SK16-41	595879	5448225	coarse grain qtzite with Chl
SK16-42	595852	5448211	Lensy coarse grain qtzite, lots of Chl, some malachite stain
SK16-43	595799	5448114	coarse grain qtzite, lenses, with ankerite and Cu Lim
SK16-44	595298	5447908	float of medium bedded fine grain qtzite with Chl and rare lim
SK16-46	592082	5449751	coarse grain qtzite with black mineral
SK16-47	592024	5449731	malachite stained bedding parallel qtz veins
SK16-48	595453	5447095	fine grain qtzite with Chl
SK16-49	595302	5446962	white fine grain qtzite with weak Chl
SK16-5	603458	5436616	
SK16-50	595253	5446879	3M of fine grain qtzite with Chl and ankerite
SK16-51	595101	5446869	thick bedded white fine grain qtzite with ankerite
SK16-52	595050	5446910	thick bedded white fine grain qtzite with ankerite
SK16-53	600655	5442183	arg and sand lenses with disseminated Cpy and Chl over 1M
SK16-54	600282	5442331	medium bedded Chlorite and ankerite-rich qtzite with thin veins that have Cpy and PbS
SK16-55	599896	5442487	3M thick clean coarse grain qtzite, sericitic, qtz veins with lim boxworks
SK16-56	599174	5442549	mixed dolomitic arg and sand with Cpy and carb/Chl rich beds
SK16-57	601198	5437127	white albitic? Bed with some lim and biotite
SK16-58	601194	5437122	fine grain qtzite bed withblue mineral along fractures and trace lim
SK16-59	601169	5437116	white thick bedded fine grain qtzite with thin metallic fractures
SK16-6	603411	5436553	
SK16-60	601147	5437070	white fine grain qtzite with trace lim
SK16-61	601772	5437458	15cm Chl rich qtzite bed with disseminated lim
SK16-62	601796	5437465	fine grain qtzite with green silty top and lim along fractures

SK16-63	601782	5437519	grey fine grain qtzite with lim
SK16-64	601876	5437612	15cm green fine grain qtzite with disseminated Cpy
SK16-65	601788	5437728	20cm medium grained qtzite bed with trace lim
SK16-66	601853	5437888	thick bedded flat laminated sands, trace lim
SK16-67	601841	5437927	greenish, thick bedded flat laminated sands, trace lim
SK16-68	601849	5437921	4M thick section, greenish, thick bedded flat laminated sands, trace lim
SK16-69	601864	5437949	thick bedded Cl and sericite alt'd qtzite with Chl and CPy clots
SK16-7	603399	5436373	
SK16-70	602243	5437545	coarse grained qtzite with Py and pitchy lim
SK16-71	602239	5437578	thick bedded fine grain qtzite withChl and trace lim
SK16-72	602375	5437627	Chloritic/schisty qtz veins with goethite and magnetite cutting foliated gabbro
SK16-73	602474	5437788	Chlorite and sericite rich qtzite bed
SK16-74	600926	5437269	Greenish fgQ (20 cm), calcareous, cpy
SK16-75	600970	5437271	green mixed interval with Cpy and calcite
SK16-76	600915	5437354	1M green silstone and arg with disseminated Cpy
SK16-77	600952	5436196	mixed lithologies, drab colour, lim and Chl along fractures
SK16-78	601472	5435484	thin bedded arg and siltstone with bedding parallel malachite stain qtz vein with malachite and bornite
SK16-79	601308	5437318	qtz vein with Chl and lim
SK16-8	603295	5436250	Cpy and Py in grey-buff dol. SS, C3
SK16-80	601258	5437335	white thick bedded fine grain qtzite with trace lim
SK16-81	601060	5437299	20cm white-pink striped fine grain qtzite
SK16-82	601054	5437324	4M interval of mixed units with Cpy
SK16-83	601083	5437703	4M sequence of coarse grain qtzite with Py, hem, and Chl, trace Cpy
SK16-84	596003	5445670	sheared phyllitic arg with open-space qtz veins and goethite
SK16-85	601526	5437433	thick bedded flat laminated sand with patchy Chl and rare malachite
SK16-86	601335	5437510	buff/lensy coarse grain qtzite veins with Cpy
SK16-87	601321	5437654	30cm wide fine grain qtzite bed with Py, sericite and malachite
SK16-88	595189	5448227	Lithogeochem, fine grain qtzite with Chl
SK16-89	595180	5448231	75cm grey-white fine grain qtzite
SK16-9	603397	5436225	Py rich dark bands in dol SS
SK16-90	595175	5448232	75cm grey-white fine grain qtzite
SK16-91	595177	5448219	75cm grey-white fine grain qtzite
SK16-92	595212	5448247	6M sequences of thick bedded flat laminated sand with ankerite and Chl

SK16-93	595209	5448257	6M sequences of thick bedded flat laminated sand with ankerite and Chl
SK16-94	595204	5448286	010M sequences of thick bedded flat laminated sand with ankerite and Chl
SK16-95	595159	5446630	very white, thick bedded fine grain flat laminated sand with Chl
SK16-96	595171	5446618	very white, thick bedded fine grain flat laminated sand with Chl
SK16-97	595171	5446590	very white, thick bedded fine grain flat laminated sand with Chl
SK16-98	594989	5447198	very white, thick bedded fine grain flat laminated sand with Chl
TK16-006	592161	5449762	Bedding parallel 4 inch zone of shearing with cm scale white quartz veining with some chlorite and biotite -strike 10 degrees dip to E at 20 degrees
TK16-007	592159	5449584	8 inch portion of a coarse grained quartzite bed in a khaki altered siltstone with black copper and malachite -seds strike N/S dipping 20 degree to the east -fracturing at 110 degrees dip to S at 75 degrees with chlorite manganese and copper staining
TK16-008	592159	5449584	Above interval sample of coarser grained portion of interval with disseminated copper staining and black copper -calcareous
TK16-009	592016	5449723	2-4 inch wide milky quartz veining with clotty chlorite and rare copper staining with a pyrrhotite like copper mineral -strike of veining 324 degrees dip to SW at 75 degrees
TK16-010	593607	5449569	Thin bedded mauve grey argillite and siltstone with some coarser intervals with copper staining and grey copper -seds strike 20 degrees dip 14 degrees to E
TK16-011	593526	5449551	Foot wide interval of coarse quartzite encapsulated in green argillite and siltstone with disseminated malachite and grey copper -strike 20 degrees dip to E at 10 degrees
TK16-012	593519	5449666	0.5m with some flat laminated sand beds fine-grained in more greenish siltstone and argillite section with still some relict mauve cut by thin quartz carbonated chlorite and malachite fracturing on 275 degree and N/S vertical fracture sets -rare disseminated copper limonite in quartzite -seds strike 356 degrees dip to E at 6 degrees
TK16-013	593442	5449599	Base of cliff section of thin bedded argillite both mauve and green -sample is of a foot wide coarse quartzite bed with some iron staining
TK16-014	593636	5450360	Foot wide fine grained greenish quartzite in greener siltstone and argillite with some cross fractures trending 100 degrees dip near vertical -seds N/S strike dip to E at 4 degrees with some copper staining
TK16-015	595405	5447170	Flat laminated quartzite fine-grained in beds up to 0.5m thick with a greenish sericitic look still some mauve lines with brown ankeritic clots and some chlorite with fractures and disseminated
TK16-016	595450	5447052	Footwall bed to above of fine grained whitish quartzite 0.5m thick with some rusty spots ankeritic? and sericitic greenish hue -strike 10 degrees dip to E at 20 degrees
TK16-017	595359	5447005	fine-grained flat laminated quartzite with chlorite carbonated and magnetite disseminated with some manganese and iron spots -strike 15 degrees dip to E at 28 degrees

TK16-018	595325	5447022	1m thick bed of fine grained quartzite laminated with some brighter reddish orange square spots with some carbonate - pale green hue -composite of section
TK16-019	595333	5447015	8 inch interval of flat laminated fine-grained quartzite with a greenish hue -calcareous look with tome reddish rotted spots and chlorite with manganese
TK16-020	595277	5446926	2m thick outcrop with 0.5m thick flat laminated quartzite with greenish sericitic look -yellow orange disseminated spots with some carbonate and manganese -strike 10 degrees dip to to E at 20 degrees
TK16-021	594993	5446801	Talus material of 1m thick flat laminated quartzite with greenish and grey bands -finely disseminated limonite?
TK16-022	595140	5447049	Flat laminated quartzite bed 1 foot wide with mauve and green banding some chlorite and rusty ankeritic spots -strike 20 degrees dip to E at 26 degrees
TK16-023	600447	5442303	1-1.5m thicker bedded coarse grained quartzite with mud chip breccia of green argillite in mainly green argillite and siltstone interval with slight mauve hue -some manganese and chlorite with rare limonite staining
TK16-024	600278	5442311	0.5cm scale veining with quartz, calcite(yellowy) and some chalcopyrite and galena along margins cutting buff weathering siltstone -strike 60 degrees dip to SE at 70 degrees
TK16-025	600213	5442339	Foot wide interval of coarse grained quartzite in dolomitic siltstone argillite section with minor disseminated chalcopyrite and rare galena
TK16-026	600204	5442331	1-1.5m thick coarse grained quartzite interval in dolomitic siltstone and green argillite section with sericite, chlorite and some green chips with iron staining
TK16-027	599887	5442494	3-4m thick coarse quartzite sequence with lots of milky quartz veining with some rotted out limonitic vugs(box works) sericite and relic limonite -grab of iron stained material
TK16-028	599182	5442545	1m interval of coarse grained quartzite with mud chips and ankeritic carbonate with some iron staining and limonite - composite of interval
TK16-029	599194	5442529	Composite of a 1m thick coarse quartzite interval with some manganese and reddish limonite
TK16-030	599141	5442607	Composite of a 1m thick interval of coarse grained quartzite in dolomitic siltstone and thin bedded green agilities and siltstone with some carbonate and disseminated limonite with rare chalcopyrite
TK16-031	601203	5437158	1.5m thick flat laminated sand interval with lots of 140 degree trending dip to S at 80 degree joint fractures with quartz - some limonite spots disseminated in greyish quartzite -strike 120 degrees dip to NE at 15 degrees -manganese spots
TK16-032	601203	5437153	Quartz veinlets from above unit with some manganese and brownish carbonate with limonite and copper staining
TK16-033	601107	5437084	Flat laminated san with a greenish grey calcareous look with some disseminated limonite spots with reddish cores -some joint fractures with quartz veinlets, manganese
TK16-034	601109	5437089	Flat laminated sand bed a foot thick with a grey green hue with thin quartz fractures with some disseminated limonite spots -seds strike 120 degrees dip to S at 75 degrees

TK16-035	601090	5437090	Flat laminated sand bed 1m thick with greyish color some quartz fractures and rare disseminated limonite spots-chlorite and manganese
TK16-036	601073	5437084	Flat laminated sand bed 1m thick with greyish calcareous look with manganese and rare limonite spots -thin quartz fractures with manganese striking 120 degrees
TK16-037	601068	5437095	Grab from a 1 foot wide flat laminated sand bed cut by a 2cm thick quartz vein let with darker green to black chlorite, and manganese some limonite spots -vein strike 340 degrees dip to S at 80 degrees
TK16-038	601064	5437097	Flat laminated sand cut by 120 degree dip to E at 80 degree and 200 degree dip to W at 75 degrees -some limonite spots manganese greenish grey look to quartzite -seds strike 160 degrees dip to NE at 12 degrees
TK16-039	601039	5437136	Foot bed of a 3m interval of flat laminated sand with some mauvish stripes with a greyish calcareous look overall some iron spots(not bright red more yellowy orange) s0me manganese mainly on thin factures trending E/W dipping 85 degrees to S
TK16-040	601019	5437130	Flat laminated sand outcrop 10m thick of thicker beds up to 1m plus -sample is a grab out of a thicker bed with some limonite spots manganese and slight grey green look with mauve stripes
TK16-041	601022	5437123	0.5m interval of flat laminated sands in footwall of sample 40 with more manganese disseminated through out in clots with rare limonite spots
TK16-042	601010	5437136	Flat laminated sand with a grey color some disseminated manganese with rare limonite spots -joint fractures with some quartz and carbonate -seds strike 294 degrees dip to N at 10 degrees
TK16-043	601005	5437144	4m thick section of flat laminated sands with greyish look manganese, and rare limonite spots with quartz veinlets containing copper staining and black copper mineral and feldspar?-joint veining roughly 120 degree trend
TK16-044	601004	5437149	Foot wide flat laminated sand in thick cliff section with manganese and carbonate on joint fractures with calcite quartz and rare limonite spots with chlorite
TK16-045	601189	5437186	1m wide flat laminated sand cut by a series of milky quartz veinlets striking 318 degrees dip to S at 76 degrees with some manganese and rare disseminated iron spots -grey look to quartzite
TK16-046	601208	5437205	Flat laminated sand with some iron spots -medium to thick bedded interval striking 340 degrees dip to NE at 10 degrees
TK16-047	601206	5437229	1m wide flat laminated sand unit cut by a series of quartz fractures trending 320 degrees dip to SE at 75 degrees and striking 350 degrees dip to W at 75 degrees(milky white with some copper staining, manganese chlorite/biotite?) -seds strike 300 degrees dip to N at 8 degrees -sample is of both vein material and host quartzite
TK16-048	601195	5437229	Flat laminated sand 1m thick plus bed with some fracture sets as above sample with some reddish iron stained box works in veinlets with manganese and rare disseminated limonite spots in quartzite -sample is mainly quartzite material along fracture
TK16-049	601199	5437230	Flat laminated sand interval 2m thick part of a broader zone of cliff forming outcrop of medium to thick beds -some manganese and rare limonitic spots -grey to greenish hue -strike 305 degrees dip to NE at 8 degrees

TK16-050	601196	5437248	Flat laminated sand section with manganese -grey to green with some mauve -no visible limonite
TK16-051	601202	5437260	Flat laminated sand 1m thick bed with some joint fractures at 290 degrees dip to S at 75degrees with manganese and rare iron staining - grey green with some mauve in quartzite with some manganese
TK16-052	601176	5437240	Flat laminated sand interval with 0.5m thick beds with very rare limonite spots (reddish) -grey green banded with some manganese and brownish carbonate look on fracturing -strike 350 degrees dip to E at 8 degrees
TK16-053	601100	5437224	1.5m thick section of medium bedded flat laminated sands with mauve stripes -some chlorite and brownish carbonate with manganese on 120 degree dip to SW fracturing some rusty spots -seds strike 3320 degrees dip to NE at 6 degrees
TK16-054	601058	5437244	From last sample to this mainly medium bedded to thicker bedded flat laminated sand interval -strike 120 degrees dip to 6 degrees to the NE -sample is of a 1m bed with manganese and rare limonite spots mainly along joint fractures -120 degree strike dip to S at 75 degrees
TK16-055	601029	5437296	0.5m thick bed of flat laminated sand in thinner bedded interval of siltstone and argillite with some joint fractures with manganese, calcite and rare limonite -more calcareous look to interval
TK16-056	600983	5437312	Flat laminated sand in an interval with beds up to 40 cm thick greenish colored with manganese spots and rare limonite - some manganese and quartz fractures -seds strike 140 degrees dip to NE at 8 degrees
TK16-057	600906	5437369	Mainly thinner bedded to medium bedded outcrops with some flat laminated sands -sample is an 8 inch interval with creamy yellowish clots and rare disseminated limonite -strike 1309 degrees dip to NE at 12 degrees
TK16-058	601017	5437621	Foot wide fine-grained laminated quartzite with a greenish color in a green dominant interval with rare manganese some joint fractures striking 125 degrees dip to S at 80 degrees with some calcite and copper limonite? -seds strike 330 degrees dip to NE at 8 degrees
TK16-059	601018	5437698	Flat laminated sand bed 4-6 inches wide within top part of a coarse grained quartzite sequence -rare manganese, brownish carbonate and limonite spots
TK16-060	601006	5437705	First foot thick bed of fine grained quartzite with a greenish sericitic look with thin calcite fractures trending 130 degrees dipping to S at 80 degrees with manganese calcite and rare copper limonite -some disseminated limonite spots and manganese -seds strike 340 degrees dip to NE at14 degrees
TK16-061	600994	5437692	fine grained greenish quartzite(flat laminated) with rare discolored spots with some joint fracturing
TK16-062	600974	5437691	20cm thick fine-grained flat laminated sand bed in thinner bedded green siltstone sequence -2m interval with rare limonite spots -strike 125 degrees dip to N at 6 degrees
TK16-063	600974	5437691	6 inch interval in hanging wall to above outcrop -sample has manganese spots and whitish clots(calcite) and rare copper limonite with malachite staining -more of a silty interval
TK16-064	600956	5437696	First chloritic altered interval -6 inch thick bed with chlorite slightly coarser grained with carbonate
TK16-065	600949	5437688	Similar to previous sample calcareous 6 inch wide portion of a flat laminated bed with some limonite spots manganese and chlorite -part of a 4m section

TK16-066	600948	5437704	Fine-grained flat laminated quartzite with biotite and magnetite somewhat silty grey green colored
TK16-067	600904	5737755	Composite of a foot wide chloritic calcareous fine grained quartzite interval with manganese and no visible copper limonite
TK16-068	600914	5437810	Foot wide bed of calcareous rotted out chloritic material with copper limonite and malachite spots with rare azurite
TK16-069	600909	5437825	Flat laminated sand fine grained medium bedded -1 foot wide bed with chlorite altered core(calcareous) with yellow clots -no visible copper limonite but some manganese -from this point to last sample site coarse grained quartzite interval(thin bedded) -strike 120 degrees dip to NE at 14 degrees
TK16-070	600914	5437857	Chlorite altered quartzite with rotted out rind yellow carbonate clots and rare limonite spots after copper?
TK16-071	600879	5437855	Base of cliff section of outcrop mainly medium bedded fine grained quartzite and siltstones khaki green colored(sericitic) with calcareous interbeds of chloritic altered rotted out material - sample is of a foot wide more massive bed of fine grained quartzite with chlorite and rare limonite spots
TK16-072	600870	5437858	Above interval(hangingwall beds) medium bedded with brownish carbonate altered chloritic clots with rare limonitic specks -strike 134 degrees dip to NE at 20 degrees
TK16-073	600852	5437920	Khaki colored medium bedded fine-grained quartzite and siltstone with biotite and chlorite with orangey carbonate spots, manganese and limonite cubes -strike 336 degrees dip to NE at 17 degrees
TK16-074	600840	5437959	8 inch interval of siltstone with coarse grained quartzite -calcareous khaki colored with chalcopyrite and magnetite clots disseminated -medium to thinner bedded interval maybe close to top of C2?
TK16-075	601743	5437700	Foot wide fine-grained quartzite bed in a siltstone argillite package with a calcareous weathered rind and some manganese spotting -10 degree strike dip to E at 4 degrees
TK16-076	601729	5437730	0.5m interbeds of flat laminated quartzite with some chlorite and a grey brown weathered rind -greenish colored
TK16-077	601742	5437743	Interval 2-4m wide of medium bedded fine grained quartzite with calcareous look and weathered rinds -lots of chlorite spots -strike 150 degrees dip to E at 10 degrees
TK16-078	601755	5437740	4 inch bed in hanging wall to previous sample of similar fine grained quartzite with chlorite and rare disseminated chalcopyrite
TK16-079	601723	5437774	Above interval into hanging wall 0.5m thick beds of fine-grained rind weathering quartzite at top of sequence -into hanging wall coarse grained quartzite interval -sample is of fine grained quartzite bed with chlorite and rare limonite spots
TK16-080	601610	5437814	Foot wide interbeds of fine grained quartzite in argillite and siltstone section with some chlorite and reddish limonite spots
TK16-081	601585	5437764	Footwall bed to section of medium bedded fine grained quartzite -rare limonite spots chlorite and buff rind
TK16-082	601607	5437829	Medium bedded sequence with fine grained quartzite beds up to a foot thick with chlorite alteration and rooted out calcareous intervals -sample is of a 6 inch bed with chlorite and rare iron stained spots with manganese
TK16-083	601608	5437840	Medium bedded sequence with fine-grained quartzite containing chlorite alteration -no visible limonite

TK16-084	601610	5437843	1m thick fine grained quartzite with carbonate rind enclosed by sericite quartzite khaki colored -chlorite and calcareous look with rare limonite stained spots
TK16-085	601603	5437846	4m band of outcrop to above sampled interval with some thicker beds with chlorite and rare limonite cubes and possible copper limonite -strike 340 degrees dip to NE at 14 degrees
TK16-086	601613	5437867	Medium to thicker bedded sequence of fine-grained quartzite with chlorite and sericite -6 inch bed with chlorite and reddish square dissemination with some limonite spots -bedding parallel quartz veining through out cliff section widely spaced milky white
TK16-087	601612	5437871	1m plus bed of fie grained flat laminated quartzite with some chlorite and reddish spots and maybe finely disseminated limonite
TK16-088	601599	5437871	10 inch bed of fine-grained quartzite with chlorite - strike 320 degrees dip to NE at 18 degrees
TK16-089	601595	5437874	Composite of a section of fine-grained flat laminated quartzite with sericitic calcareous look -chlorite, manganese and reddish spots squares - some thin fractures (E/W trend dip to S at 85 degree)of calcite and quartz with chalcopyrite and malachite -seds strike 340 degrees dip to NE at 14 degrees
TK16-090	602172	5437554	8 inch bed of fine grained quartzite with chlorite and manganese -brownish grey rind -sits atop of a coarse grained quartzite interval
TK16-091	602187	5437536	Footwide bed of chlorite altered flat laminated quartzite with manganese and some reddish spots -grey brown rind
TK16-092	602204	5437550	Flat laminated sand bed 30 cm thick with chlorite manganese and reddish squares -rindy weathering
TK16-093	602195	5437564	Foot thick bed of flat laminated quartzite fine-grained with reddish squares, manganese and sericite with rare copper limonite?
TK16-094	602188	5437610	4 inch bed of fine grained quartzite with lots of chlorite and rare manganese with no visible copper limonite -strike 340 degrees dip to NE at 30 degrees
TK16-095	602186	5437653	Foot bed of finer grained quartzite with chlorite manganese and rare disseminations of pitchy limonite - some fractures 110 degree strike dip to S at 75 degrees with calcite, limonite and chlorite
TK16-096	602181	5437660	1m thick fine-grained quartzite laminated with some chlorite and reddish spots
TK16-097	602173	5437705	6 inch interval of fine-grained quartzite in siltstone interval at the top of a coarse grained quartzite sequence with rare pitchy limonite specks and some manganese-very chloritic
TK16-098	602179	5437727	Fine grained sericitic quartzite in hangingwall of old sample with rare pitchy limonite specks and some manganese
TK16-099	602240	5437704	6 inch wide quartzite interval with fine chlorite and rare iron stained spots -cleavage 352 degrees dip to W at70 degrees
TK16-100	602294	5437790	Section of outcrop of thicker bedded fine grained quartzite with chlorite, sericite and a calcareous appearance in places with some manganese

			1m thick bed of fine-grained quartzite with a buff brownish rind cut by a 1 inch milky quartz vein striking 10 degrees dip to W at 55 degrees with some fractures at 60 degrees dip 60 degrees to the SW with some limonite -some disseminated
TK16-101	602298	5437802	limonite in quartzite -sample is a grab of material -seds strike 160 degrees dip to 30 degrees to NE
TK16-102	602324	5437815	Khaki colored siltstone at the top of a coarse grained quartzite interval with rare disseminated pitchy limonite
TK16-103	602302	5437804	8 inch fine grained quartzite interval with thin quartz fractures that have manganese carbonate and rare limonite staining
TK16-104	602300	5437916	Chlorite spotted alteration in fine-grained quartzite bed with a grey calcareous look
			Thin to medium bedded siltstone and interbeds of chlorite altered fine grained quartzite up to 1 foot thick with some
TK16-105	602397	5437855	disseminated magnetite and manganese
			3m interval of medium grained quartzite laminated with some chlorite yellowish orange clots and rotted out calcareous
TK16-106	602430	5437841	core -composite of section-khaki colored sericitic argillite partings
			0.5m thick fine grained laminated quartzite in footwall of a coarse grained quartzite interval and in hanging wall of above
TK16-107	602429	5437849	interval
TK16-108	592945	5449244	Mafic dyke with some iron staining and manganese alteration -324 degree trend
			Fine grained quartzite an foot thick bed greenish colored with some biotite and chlorite cut by thin quartz carbonate veinlets with pitchy limonite - seds strike 4 degrees dip to E at 20 degrees, veinlets strike 110 degrees dip to S at 80
TK16-109	592941	5449162	degrees
			Thin quartz chlorite, biotite veinlets cutting a thicker bedded fine grained quartzite with some chalcopyrite in veinlets -
TK16-114	592605	5446826	some mauve in host mostly grey -rough E/W trend dip to S
			Foot thick fine-grained grey quartzite with magnetite, and chlorite books with some limonite spotting -strike 160 degrees
TK16-115	594031	5450499	dip to E at 4 degrees
			0.5m thick fine-grained quartzite whitish grey with magnetite and some limonite stained spots -calcareous look -strike
TK16-116	594176	5450804	150 degrees dip to NE at 20 degrees
			Grey green calcareous fine grained quartzite with manganese chlorite and calcite quartz veinlets -orange limonite along
TK16-117	594177	5450818	hairline fractures striking 110 degrees dip to S at 75 degrees
			Grey green fine grained quartzite with chlorite spots and some reddish limonite -1 to 1.5m thick interval -strike 8 degrees
TK16-118	594190	5450949	dip to E at 22 degrees
TK16-119	594094	5450991	Contact of gabbro sill and sediments -hornfelsed fine-grained quartzite with disseminated limonite and epidote
			5m band of outcrop with flat laminated fine grained quartzite with some manganese and chlorite disseminations as well
TK16-120	594128	5451028	as rare rusty spots -strike 355 degrees dip to E at 4 degrees
			Foot thick bed in an interval 5m thick of medium bedded fine grained calcareous quartzite with some manganese and
TK16-121	594159	5451034	calcite in crossing fractures -sericitic khaki colour

TK16-122	594169	5451062	Hangingwall interval to previous -1 foot bed of chloritic calcareous fine grained quartzite with cubes of limonite and some manganese
TK16-123	594193	5451084	Fine grained quartzite with chlorite, manganese and some reddish dots -seds strike 360 degrees dip to E at 10 degrees
TK16-124	594202	5451065	Grey whitish green fine grained quartzite with limonite cubes and manganese -maybe copper limonite
TK16-125	595923	5445746	Flat laminated quartzite, medium bedded with mauve lines and greenish grey lines with some manganese and rusty spotting -strike 20 degrees dip to E at 38 degrees
TK16-126	595930	5445753	8 inch interval of flat laminated quartzite with manganese and more chlorite with rusty carbonate mottling
TK16-127	595951	5445808	Foot thick bed of fine grained quartzite mainly mauve and green with some rusty orange spots
TK16-128	595956	5445815	Foot thick flat laminated fine grained quartzite with greenish with mauve lines -possible copper limonite disseminations -rare
TK16-129	595972	5445825	8 inch thick flat laminated fine grained quartzite greyish white and green with some mauve lines somewhat calcareous with iron staining -125 degree strike dip to S at 75 degrees jointing
TK16-130	595375	5445753	.75m thick fine-grained quartzite part of a 10-15m thick interval of medium bedded fine-grained quartzite with mauve grey look -seds strike 6 degrees dip to E at 20 degrees
TK16-131	595272	5445749	1.25m thick bed of flat laminated fine-grained quartzite in a 10m section of thicker similar beds -mainly greyish color with faded mauve lines rotted pitted calcareous core some reddish orange iron stained spots and chlorite along hairline fractures
TK16-132	595205	5445765	Flat laminated fine-grained quartzite .75m thick bed with some mauve mainly grey -lots of 110 degree striking S dipping joint fractures with thin quartz -rare copper in a thin 340 degree trending S dipping at 80 degrees quartz vein with manganese, chlorite and magnetite -seds strike 18 degrees dip to E at 18 degrees
TK16-133	595153	5445783	Series of crystalline rotted out manganese lined quartz veinlets in a 1.25m thick fine grained quartzite with some iron stained spots and manganese disseminations -110 degree trend dip to S at 85 degrees -sample of veined quartzite
TK16-134	595108	5445771	Fine grained quartzite with thin fracture -some chlorite and pinprick disseminated limonite
TK16-135	595049	5445762	0.5m thick flat laminated quartzite with 110 degree striking S dipping at 75 degree fracturing with chlorite manganese and maybe rare copper limonite along fracture and in disseminations
TK16-136	601716	5437273	0.5m thick fine-grained quartzite greenish with a greyish brown weathered rind -some chlorite
TK16-137	601704	5437210	1m thick fine-grained quartzite -greenish with disseminated chlorite and manganese spots -possible copper limonite
TK16-138	601704	5437209	Medium bedded to thick fine grained quartzite greenish and calcareous with some manganese and calcite fractures along jointing -125 degree strike dip to S at 85 degrees
TK16-139	601697	5437187	Fine-grained quartzite greenish and calcareous with chlorite -strike 120 degrees dip to N at 20 degrees
TK16-140	601574	5436619	3m band of outcrop greyish medium bedded fined grained quartzite with some manganese -strike 140 degrees dip to E at 6 degrees

TK16-141	601576	5436606	Whitish bleached grey fine grained quartzite bed 1m thick with some manganese and limonitic spots -120 degree striking joints fractures
TK16-142	601662	5436103	Just into a thick to medium bedded fine grained quartzite interval with grey and mauve look some manganese, chlorite in fracturing -100 trend dip to S at 75 degrees -seds strike 12 degrees dip to E at 16 d degrees
TK16-143	601692	5436096	Similar type of material as previous -medium bedded fine grained quartzite greyish with some manganese and chlorite along joint fractures with quartz
TK16-144	601706	5436103	1m thick fine grained laminated quartzite with some quartz veinlets up to 0.5cm along joint fracturing with calcite manganese and chlorite with rare reddish limonite -mainly mauvish colored
TK16-145	601816	5436107	Foot thick fine grained laminated quartzite with a greyish green look and some manganese, chlorite and books of reddish orange squares -strike 124 degrees dip to NE at 22 degrees
TK16-146	601842	5436034	1m thick bed of fine grained quartzite with a greyish bleached look -some chlorite and manganese
TK16-147	601884	5436051	8 inch interval of a thicker fine grained quartzite with grey faded mauve look some chlorite and manganese - 100 degree vertical fracturing
TK16-148	601893	5436067	5m interval with fine grained laminated quartzite with a more grey to greenish look some disseminated manganese and joint fracturing with some reddish pin pricks of possible copper limonite
TK16-149	595580	5447987	0.5m thick flat laminated fine grained quartzite with grey green appearance e -chlorite, manganese and calcite along fractures -120 degree strike dip to N at 85 degrees -seds strike 330 degrees dip to NE at 16 degrees
TK16-150	595476	5448021	Medium bedded flat laminated quartzite in mauve interval with some magnetite calcareous look
TK16-151	595475	5448032	Same interval as above separate bed with chlorite and carbonate fractures -20cm thick bed with chlorite disseminated and manganese
TK16-152	595425	5448016	Foot thick greyish fine grained quartzite and chlorite with some fractures of similar tenor and manganese spots -weathered grey rind
TK16-153	595420	5448010	0.5m thick bed of fine grained laminated quartzite with chlorite, manganese grey green and mauve -calcareous
TK16-154	595381	5447995	Flat laminated quartzite interval sample is of a 0.5m thick bed with chlorite, manganese -calcareous -strike 148 degrees dip to E at 28 degrees
TK16-155	595381	5447995	0.5m hangingwall bed to above sample of similar material with chlorite manganese and possible bornite?
TK16-156	595387	5447989	.75m thick fine-grained quartzite with dark chlorite and carbonated with quartz along fractures(110 degree trend) -greyish white color to host
TK16-157	595376	5447976	6 inch interval of fine grained quartzite with grey green and mauve lines and some manganese, magnetite and possible bornite?
TK16-158	595354	5447952	1m thick bed of grey white fine grained laminated quartzite with chlorite, manganese and orange carbonate?squares with some cm scale quartz veining(126 degree strike dip vertically)
TK16-159	595352	5447944	0.5m thick white fine grained quartzite with minor chlorite and manganese

TK16-160	595312	5447875	1m thick flat laminated quartzite part of a thicker package with some chlorite and manganese along joint fractures and one .5cm vein striking 350 degrees dip to W at 70 degrees
TK16-161	595162	5447808	1m plus bed of fine grained laminated quartzite with slumped load casting -chlorite, manganese and orangish spots with chlorite and carbonate joint fractures -120 degree strike dip to S at 78 degrees
TK16-162	595170	5447777	Flat laminated quartzite interval 1.5m thick -sample is of a more chlorite portion with some manganese -calcite and quartz fractures with chlorite and manganese
TK16-163	595152	5447799	Flat laminated fine-grained quartzite with chlorite, manganese and rare discolored spots -0.5m thick bed hangingwall to previous sample
TK16-164	595196	5447770	Flat laminated quartzite with chlorite and manganese within more mauvish sequence -350 degree strike dip to E at 24 degrees
TK16-165	595159	5446673	Thick bedded fine grained quartzite sequence with 1m plus beds in a 5m thick band of outcrop -some chlorite manganese and orangish clusters with sericite
TK16-166	595175	5446475	Flat laminated quartzite with some disseminated chlorite and manganese with magnetite and ankeritic looking clusters - grey
TK16-167	595180	5446477	Flat laminated quartzite grey, green with some chlorite and magnetite with a pinkish oxide around some darker clusters
TK16-168	595198	5446472	Mauve green and grey banded fine grained quartzite with manganese and orangish cluster ankerite? -Striker 350 degrees dip to E at 22 degrees
TK16-169	595235	5446482	1m thick flat laminated quartzite with manganese, ankerite and orange clots
TK16-170	595213	5446467	Flat laminated fine grained quartzite grey with chlorite and manganese -mostly surrounded by mauve colored stratigraphy
TK16-171	595095	5446423	Calved out 2-4m thick fine grained quartzite material with a greenish color in more mauve thin bedded sequence - sample is of quartzite material with magnetite and some iron stained spots
TK16-172	594902	5447991	Series of 108 degree trending south dipping at 80 degrees with manganese, chlorite and calcite -clotting chlorite in grey 1 foot thick bed of fine grained quartzite -strike of seds 358 degrees dip to E at 6 degrees
TK16-173	594898	5448016	Foot thick bed of flat laminated quartzite with mauve and khaki green bands with some magnetite, chlorite and manganese

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CLIENT JOB INFORMATION

Project: Silver Fox Recce
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	1	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	1	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

BUREAU VERITAS MINERAL LABORATORIES Canada

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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: Silver Fox Recce
Report Date: July 22, 2016

CERTIFICATE OF ANALYSIS VAN16001171.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
TK16-114	Rock	1.19	0.7	12.6	31.6	38	0.3	8.7	5.2	134	1.26	0.7	1.3	6.3	17	0.1	0.4	1.1	8	0.12	0.010

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Project: Silver Fox Recce
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CERTIFICATE OF ANALYSIS VAN16001171.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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
TK16-114	Rock	13	8	0.18	45	0.062	<1	0.38	0.023	0.21	<0.1	0.01	1.2	0.1	<0.05	1	<0.5	<0.2

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

Project: Silver Fox Recce
Report Date: July 22, 2016

QUALITY CONTROL REPORT VAN16001171.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Reference Materials																					
STD DS10	Standard		14.9	156.2	148.8	361	1.9	75.2	14.5	901	2.83	46.1	99.9	7.8	69	2.8	9.7	12.3	44	1.10	0.076
STD OXC129	Standard		1.3	28.8	6.9	44	<0.1	83.6	22.3	420	3.08	<0.5	193.3	1.9	188	<0.1	<0.1	<0.1	51	0.69	0.106
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
Prep Wash																					
ROCK-VAN	Prep Blank		0.8	2.5	5.6	37	<0.1	0.6	4.0	447	1.63	0.7	1.3	1.9	20	<0.1	0.2	<0.1	19	0.54	0.040

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Suite 1820 - 1055 W. Hastings St.
Vancouver BC V6E 2E9 CANADA

Project: Silver Fox Recce
Report Date: July 22, 2016

QUALITY CONTROL REPORT VAN16001171.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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
Reference Materials																		
STD DS10	Standard	18	55	0.80	367	0.082	6	1.07	0.072	0.35	3.5	0.26	3.1	5.1	0.27	5	2.4	5.3
STD OXC129	Standard	13	52	1.55	53	0.400	1	1.57	0.604	0.36	<0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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																		
ROCK-VAN	Prep Blank	5	2	0.44	54	0.059	<1	0.74	0.050	0.06	<0.1	0.01	2.2	<0.1	<0.05	3	<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: July 13, 2016
Report Date: July 27, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001172.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 30

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	30	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	30	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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.

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

Project: SILVER FOX
Report Date: July 27, 2016

CERTIFICATE OF ANALYSIS VAN16001172.1

Method		WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
MK16-01	Rock	1.78	0.2	45.9	6.0	10	<0.1	1.6	0.6	82	0.31	0.7	1.3	5.9	2	<0.1	<0.1	<0.1	<2	0.03	0.007
MK16-02	Rock	0.78	0.1	255.0	6.9	57	1.0	15.1	7.4	330	2.00	5.1	15.9	6.5	12	<0.1	4.2	2.1	11	0.08	0.016
MK16-03	Rock	0.80	0.2	125.9	13.2	52	0.2	7.9	6.6	339	0.89	0.6	2124.9	6.7	9	<0.1	0.1	0.5	7	0.10	0.039
MK16-04	Rock	1.27	0.3	5.8	17.3	18	<0.1	4.0	7.7	678	0.67	<0.5	1.0	3.3	15	<0.1	0.4	0.3	<2	0.99	0.036
MK16-05	Rock	0.66	0.1	28.5	4.4	13	<0.1	4.4	1.7	116	0.93	1.3	2.4	10.9	10	<0.1	1.1	0.4	4	0.21	0.030
MK16-06	Rock	0.77	0.8	121.6	6.4	8	0.4	3.5	3.5	843	0.72	1.2	1.7	2.8	4	<0.1	1.1	0.1	2	0.02	0.019
MK16-07	Rock	1.46	0.9	170.8	6.5	6	0.5	2.4	3.1	960	0.81	1.5	1.8	3.5	10	<0.1	0.8	0.5	3	<0.01	0.008
MK16-08	Rock	1.71	0.3	35.1	18.7	35	<0.1	2.4	1.0	115	0.63	0.7	2.3	5.7	7	<0.1	0.2	0.3	3	0.09	0.013
MK16-09	Rock	0.88	0.4	178.5	63.3	7	0.2	1.5	0.6	590	0.43	0.7	0.7	4.9	6	<0.1	0.6	0.6	<2	0.06	0.009
MK16-10	Rock	1.05	0.2	44.8	13.8	5	<0.1	1.1	0.4	285	0.42	<0.5	<0.5	6.6	2	<0.1	0.2	<0.1	2	0.07	0.007
MK16-11	Rock	1.16	0.4	8.3	6.2	8	<0.1	1.3	0.4	267	0.46	<0.5	<0.5	6.4	4	<0.1	0.2	<0.1	<2	0.26	0.007
MK16-12	Rock	0.71	0.2	20.5	7.9	85	<0.1	4.2	3.0	212	0.77	0.8	<0.5	10.3	5	<0.1	0.2	<0.1	4	0.04	0.015
MK16-13	Rock	1.46	0.3	12.2	5.2	10	<0.1	1.2	0.3	38	0.45	<0.5	<0.5	3.3	3	<0.1	0.1	<0.1	<2	0.02	0.007
MK16-14	Rock	1.04	0.4	75.9	9.2	12	0.1	1.3	0.4	270	0.54	1.3	<0.5	5.9	13	<0.1	0.2	0.2	2	0.15	0.009
MK16-15	Rock	1.22	0.1	373.1	6.7	191	0.4	17.1	10.5	1207	1.61	<0.5	<0.5	8.1	22	0.3	0.1	<0.1	9	0.59	0.053
MK16-16	Rock	0.91	0.2	24.9	9.4	45	<0.1	3.6	1.6	123	0.57	<0.5	<0.5	6.2	4	<0.1	<0.1	0.2	2	0.05	0.009
MK16-17	Rock	1.10	<0.1	35.4	9.3	93	<0.1	10.4	6.5	295	1.11	<0.5	<0.5	11.4	6	<0.1	<0.1	0.2	4	0.04	0.008
MK16-18	Rock	0.76	7.5	686.4	9.5	48	1.6	10.8	5.2	373	1.07	<0.5	4.9	9.8	8	0.2	<0.1	0.3	5	0.21	0.066
MK16-19	Rock	1.13	0.1	151.6	12.6	132	0.2	18.5	11.1	835	2.22	<0.5	<0.5	10.4	20	<0.1	<0.1	0.2	10	0.55	0.078
MK16-20	Rock	1.54	1.0	214.4	13.1	137	0.4	16.3	12.3	1611	2.16	0.6	1.2	8.4	49	0.3	<0.1	0.1	8	1.75	0.056
MK16-21	Rock	0.83	2.6	271.5	76.6	94	0.9	16.2	10.2	1340	2.06	1.5	<0.5	11.1	73	0.2	<0.1	1.8	10	2.64	0.371
MK16-22	Rock	0.95	4.6	230.8	100.6	77	0.9	14.2	9.1	2087	1.69	<0.5	0.5	9.8	88	0.3	<0.1	1.5	8	3.49	0.053
MK16-23	Rock	1.43	1.0	358.4	7.2	63	0.2	18.2	10.5	2301	1.99	<0.5	<0.5	9.0	39	0.3	<0.1	0.6	8	2.77	0.066
MK16-24	Rock	1.13	0.3	11.4	1.5	2	<0.1	1.5	0.4	178	0.27	<0.5	1.1	1.3	6	<0.1	<0.1	<0.1	<2	0.03	0.006
MK16-25	Rock	1.08	1.5	41.4	23.9	155	<0.1	14.9	14.6	2433	3.08	<0.5	<0.5	5.3	78	0.6	<0.1	0.4	8	4.47	0.011
MK16-26	Rock	1.54	0.3	4.0	5.0	69	<0.1	8.4	5.4	178	0.97	<0.5	<0.5	10.5	4	<0.1	<0.1	<0.1	4	0.09	0.014
MK16-27	Rock	1.21	0.2	14.9	10.0	33	<0.1	5.5	2.8	60	0.58	0.6	<0.5	7.5	3	<0.1	<0.1	0.2	2	0.08	0.032
MK16-28	Rock	1.17	0.2	48.7	37.5	86	<0.1	13.7	7.6	157	1.56	1.6	<0.5	8.2	2	<0.1	<0.1	0.2	4	0.02	0.014
MK16-29	Rock	1.09	0.3	40.4	19.0	40	<0.1	11.2	7.9	586	1.42	<0.5	<0.5	4.3	73	0.2	<0.1	0.4	4	1.92	0.014
MK16-31	Rock	1.44	0.1	363.3	135.1	65	<0.1	5.7	3.1	105	0.69	<0.5	0.9	13.1	13	1.7	0.1	0.4	3	0.26	0.041

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

Project: SILVER FOX
Report Date: July 27, 2016

CERTIFICATE OF ANALYSIS VAN16001172.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	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	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
MK16-01	Rock		18	4	0.04	34	0.024	1	0.23	0.041	0.11	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
MK16-02	Rock		15	9	0.54	65	0.035	1	1.09	0.060	0.36	0.1	<0.01	2.0	0.1	<0.05	3	<0.5	0.4
MK16-03	Rock		14	5	0.56	76	0.022	1	1.04	0.027	0.48	0.1	<0.01	1.4	0.2	<0.05	2	<0.5	0.6
MK16-04	Rock		17	3	0.03	148	0.002	2	0.23	0.004	0.17	<0.1	0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
MK16-05	Rock		31	5	0.04	69	0.007	<1	0.44	0.007	0.29	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
MK16-06	Rock		17	4	0.03	161	0.001	2	0.19	0.002	0.12	<0.1	0.02	0.7	<0.1	<0.05	<1	<0.5	<0.2
MK16-07	Rock		12	5	0.01	138	0.001	2	0.17	0.002	0.12	<0.1	0.03	0.9	<0.1	<0.05	<1	<0.5	<0.2
MK16-08	Rock		18	6	0.04	51	0.054	<1	0.22	0.050	0.12	0.1	0.02	0.9	<0.1	<0.05	<1	<0.5	<0.2
MK16-09	Rock		20	4	0.01	110	0.043	1	0.15	0.051	0.06	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
MK16-10	Rock		17	5	<0.01	66	0.050	<1	0.14	0.055	0.04	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
MK16-11	Rock		17	4	0.01	98	0.018	<1	0.14	0.058	0.06	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
MK16-12	Rock		23	7	0.16	92	0.030	1	0.33	0.056	0.17	<0.1	<0.01	1.1	0.1	<0.05	1	<0.5	<0.2
MK16-13	Rock		14	4	<0.01	47	0.004	<1	0.14	0.062	0.07	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
MK16-14	Rock		12	6	<0.01	1934	0.019	1	0.14	0.061	0.07	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
MK16-15	Rock		21	11	0.79	162	0.026	1	1.21	0.018	0.43	0.1	<0.01	1.6	0.2	<0.05	3	<0.5	<0.2
MK16-16	Rock		12	6	0.08	50	0.042	1	0.30	0.042	0.19	<0.1	<0.01	0.7	0.1	<0.05	<1	<0.5	<0.2
MK16-17	Rock		30	7	0.37	76	0.011	<1	0.79	0.019	0.27	<0.1	<0.01	1.0	0.1	<0.05	2	<0.5	<0.2
MK16-18	Rock		23	8	0.34	135	0.002	1	0.79	0.020	0.25	0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
MK16-19	Rock		28	13	0.88	76	0.003	<1	1.54	0.016	0.26	0.4	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
MK16-20	Rock		24	13	0.94	54	0.004	1	1.45	0.017	0.18	0.2	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
MK16-21	Rock		34	12	0.73	79	0.005	1	1.47	0.019	0.28	0.2	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
MK16-22	Rock		27	10	0.60	63	0.003	<1	1.17	0.020	0.23	<0.1	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
MK16-23	Rock		26	9	0.57	94	0.003	<1	1.25	0.017	0.24	0.2	<0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
MK16-24	Rock		5	4	<0.01	9	<0.001	1	0.11	0.019	0.02	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
MK16-25	Rock		22	8	1.17	23	0.003	1	1.86	0.005	0.13	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
MK16-26	Rock		51	6	0.28	52	0.002	1	0.72	0.006	0.23	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
MK16-27	Rock		12	4	0.15	36	0.002	<1	0.51	0.005	0.22	0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
MK16-28	Rock		10	5	0.46	25	0.002	<1	0.90	0.004	0.17	0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
MK16-29	Rock		20	6	0.40	43	0.002	<1	0.71	0.002	0.11	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
MK16-31	Rock		42	5	0.13	65	0.007	2	0.60	0.007	0.28	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2

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Bureau Veritas Commodities Canada 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: SILVER FOX
Report Date: July 27, 2016

QUALITY CONTROL REPORT VAN16001172.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
MK16-31	Rock	1.44	0.1	363.3	135.1	65	<0.1	5.7	3.1	105	0.69	<0.5	0.9	13.1	13	1.7	0.1	0.4	3	0.26	0.041
REP MK16-31	QC		0.1	363.9	132.5	64	<0.1	6.3	3.1	105	0.69	<0.5	0.6	12.1	12	1.6	<0.1	0.4	3	0.26	0.039
Core Reject Duplicates																					
MK16-25	Rock	1.08	1.5	41.4	23.9	155	<0.1	14.9	14.6	2433	3.08	<0.5	<0.5	5.3	78	0.6	<0.1	0.4	8	4.47	0.011
DUP MK16-25	QC		1.5	42.1	24.3	161	<0.1	15.1	14.3	2424	3.04	<0.5	<0.5	5.2	78	0.5	<0.1	0.4	7	4.40	0.011
Reference Materials																					
STD DS10	Standard		15.2	151.0	142.8	362	1.9	72.6	13.0	872	2.72	44.9	73.1	6.8	58	2.5	8.4	10.3	43	1.07	0.073
STD DS10	Standard		14.3	141.1	134.9	350	1.8	72.5	12.8	849	2.65	43.9	107.3	6.7	63	2.4	8.0	11.3	42	1.03	0.073
STD OXC129	Standard		1.2	27.1	6.0	38	<0.1	76.4	20.1	402	2.97	0.7	192.1	1.6	181	<0.1	<0.1	<0.1	51	0.68	0.099
STD OXC129	Standard		1.3	26.6	6.0	42	<0.1	79.9	20.5	421	3.06	0.6	194.7	1.8	190	<0.1	<0.1	<0.1	49	0.64	0.107
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
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
Prep Wash																					
ROCK-VAN	Prep Blank		1.7	3.7	1.4	30	<0.1	1.5	3.8	465	1.85	1.2	4.3	2.0	21	<0.1	<0.1	<0.1	23	0.57	0.041
ROCK-VAN	Prep Blank		1.6	4.3	1.6	34	<0.1	1.6	3.9	462	1.82	1.0	<0.5	2.1	19	<0.1	<0.1	<0.1	22	0.55	0.044

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

Project: SILVER FOX
Report Date: July 27, 2016

QUALITY CONTROL REPORT VAN16001172.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
MK16-31	Rock	42	5	0.13	65	0.007	2	0.60	0.007	0.28	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
REP MK16-31	QC	41	5	0.12	65	0.007	1	0.60	0.007	0.28	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
Core Reject Duplicates																		
MK16-25	Rock	22	8	1.17	23	0.003	1	1.86	0.005	0.13	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
DUP MK16-25	QC	22	8	1.17	20	0.003	<1	1.81	0.005	0.10	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	17	55	0.76	361	0.074	9	1.04	0.068	0.33	3.3	0.27	2.8	5.0	0.28	4	3.3	5.4
STD DS10	Standard	15	54	0.74	317	0.075	7	1.01	0.071	0.34	3.2	0.29	3.0	4.9	0.26	4	2.4	4.8
STD OXC129	Standard	11	53	1.54	48	0.364	1	1.54	0.594	0.36	<0.1	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	54	1.56	49	0.400	1	1.63	0.632	0.40	<0.1	<0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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	<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																		
ROCK-VAN	Prep Blank	6	4	0.44	65	0.065	3	0.83	0.086	0.08	0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	4	0.45	59	0.061	4	0.80	0.069	0.07	0.1	<0.01	2.7	<0.1	<0.05	4	<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: July 13, 2016
Report Date: July 22, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001173.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 10

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	10	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	10	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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.

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

Project: SILVER FOX
Report Date: July 22, 2016

CERTIFICATE OF ANALYSIS VAN16001173.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
MK16-32	Rock	0.31	1.2	61.7	42.9	69	<0.1	15.1	13.8	603	2.25	1.4	1.5	10.0	14	0.2	0.2	1.1	10	0.09	0.025
MK16-33	Rock	0.63	0.7	13.7	40.2	11	0.1	3.1	1.8	286	0.84	2.0	1.0	1.0	<1	<0.1	0.3	1.9	2	<0.01	0.006
MK16-34	Rock	0.50	<0.1	5.8	34.8	28	<0.1	6.3	4.4	159	0.94	1.9	1.2	5.3	12	<0.1	0.1	3.3	3	0.06	0.013
MK16-35	Rock	0.82	0.1	185.6	3.1	105	<0.1	13.3	43.3	1490	9.02	4.7	1.9	2.3	153	<0.1	0.7	1.6	172	2.52	0.674
MK16-36	Rock	1.01	0.3	3.7	6.9	48	<0.1	4.2	6.4	1627	0.62	<0.5	<0.5	7.9	4	0.1	<0.1	<0.1	4	0.01	0.007
MK16-37	Rock	1.74	<0.1	2.9	5.9	24	<0.1	5.4	3.3	169	0.67	<0.5	<0.5	9.3	7	<0.1	<0.1	0.1	4	0.09	0.014
MK16-38	Rock	0.64	0.2	3.2	4.8	30	<0.1	7.2	4.4	465	0.81	0.7	0.7	6.9	7	<0.1	0.2	<0.1	3	0.17	0.017
MK16-39	Rock	0.66	<0.1	2.3	3.5	59	<0.1	10.7	7.8	308	1.33	0.5	<0.5	7.2	5	<0.1	<0.1	<0.1	6	0.07	0.027
MK16-40	Rock	1.01	<0.1	882.6	35.2	60	7.8	10.5	6.5	588	0.94	1.3	53.8	14.6	19	0.3	0.6	8.7	9	0.12	0.047
MK16-41	Rock	1.18	<0.1	1631.6	9.0	32	3.6	4.2	2.8	500	0.47	0.7	9.6	5.9	10	<0.1	<0.1	7.4	2	0.61	0.048

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Project: SILVER FOX
Report Date: July 22, 2016

CERTIFICATE OF ANALYSIS VAN16001173.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	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	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
MK16-32	Rock		116	13	0.51	61	0.019	<1	1.01	0.011	0.24	<0.1	<0.01	2.7	0.1	<0.05	3	0.6	<0.2
MK16-33	Rock		13	7	0.01	15	<0.001	<1	0.04	0.001	<0.01	0.2	<0.01	0.6	<0.1	<0.05	<1	<0.5	0.3
MK16-34	Rock		40	7	0.15	48	0.014	<1	0.39	0.022	0.18	0.1	<0.01	1.2	<0.1	<0.05	1	<0.5	0.3
MK16-35	Rock		30	8	2.10	381	0.101	<1	3.25	0.082	0.31	0.2	<0.01	8.6	0.2	<0.05	11	<0.5	<0.2
MK16-36	Rock		32	5	0.38	175	0.007	4	0.62	0.036	0.09	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
MK16-37	Rock		19	5	0.16	58	0.003	<1	0.42	0.026	0.19	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
MK16-38	Rock		19	6	0.21	140	0.004	<1	0.55	0.044	0.21	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
MK16-39	Rock		19	6	0.36	48	0.004	<1	0.60	0.043	0.13	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
MK16-40	Rock		19	11	0.78	220	0.023	<1	1.37	0.042	0.51	0.2	<0.01	2.5	0.2	<0.05	4	0.7	0.7
MK16-41	Rock		20	6	0.23	47	0.002	<1	0.37	0.008	0.16	<0.1	0.03	0.6	<0.1	<0.05	1	<0.5	<0.2

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Project: SILVER FOX
Report Date: July 22, 2016

QUALITY CONTROL REPORT VAN16001173.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
MK16-38	Rock	0.64	0.2	3.2	4.8	30	<0.1	7.2	4.4	465	0.81	0.7	0.7	6.9	7	<0.1	0.2	<0.1	3	0.17	0.017
REP MK16-38	QC		0.2	3.3	5.2	32	<0.1	6.7	4.4	470	0.82	<0.5	1.0	6.5	7	<0.1	0.2	<0.1	3	0.17	0.017
Reference Materials																					
STD DS10	Standard		14.9	156.2	148.8	361	1.9	75.2	14.5	901	2.83	46.1	99.9	7.8	69	2.8	9.7	12.3	44	1.10	0.076
STD OXC129	Standard		1.3	28.8	6.9	44	<0.1	83.6	22.3	420	3.08	<0.5	193.3	1.9	188	<0.1	<0.1	<0.1	51	0.69	0.106
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
Prep Wash																					
ROCK-VAN	Prep Blank		0.8	4.2	1.2	29	<0.1	0.6	3.8	452	1.71	1.0	1.0	2.2	21	<0.1	<0.1	<0.1	21	0.55	0.038
ROCK-VAN	Prep Blank		1.0	3.1	1.6	33	0.1	1.9	3.9	515	1.90	1.5	<0.5	2.2	21	<0.1	<0.1	<0.1	23	0.59	0.040

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Project: SILVER FOX
Report Date: July 22, 2016

QUALITY CONTROL REPORT VAN16001173.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
MK16-38	Rock	19	6	0.21	140	0.004	<1	0.55	0.044	0.21	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
REP MK16-38	QC	19	6	0.21	145	0.004	<1	0.59	0.047	0.23	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	18	55	0.80	367	0.082	6	1.07	0.072	0.35	3.5	0.26	3.1	5.1	0.27	5	2.4	5.3
STD OXC129	Standard	13	52	1.55	53	0.400	1	1.57	0.604	0.36	<0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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																		
ROCK-VAN	Prep Blank	6	3	0.43	53	0.067	1	0.84	0.088	0.08	0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	7	5	0.44	66	0.078	<1	0.95	0.133	0.12	0.2	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2

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Bureau Veritas Commodities Canada Ltd.
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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: July 13, 2016
Report Date: July 25, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001174.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 26

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	26	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	26	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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.

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PHONE (604) 253-3158

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

Project: SILVER FOX
Report Date: July 25, 2016

CERTIFICATE OF ANALYSIS VAN16001174.1

Method		WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
SK16-1	Rock	0.81	3.4	67.6	139.5	34	0.2	10.0	11.3	779	1.70	14.4	8.9	4.7	170	0.2	0.3	1.7	5	7.15	0.028
SK16-2	Rock	1.76	<0.1	141.8	4.5	68	<0.1	15.7	5.8	246	2.15	<0.5	<0.5	10.4	28	<0.1	0.2	0.2	10	1.13	0.048
SK16-3	Rock	1.56	0.3	349.2	20.4	152	0.3	15.6	9.0	270	1.61	<0.5	2.1	10.5	30	<0.1	0.1	0.9	9	1.11	0.043
SK16-4	Rock	0.55	0.3	10.0	8.7	111	<0.1	10.2	5.0	322	1.62	0.6	<0.5	5.0	4	<0.1	0.1	<0.1	4	0.08	0.031
SK16-5	Rock	1.88	0.4	327.2	47.6	46	0.8	1.8	2.5	1256	0.71	<0.5	14.2	1.5	26	0.3	<0.1	0.2	2	2.23	0.009
SK16-6	Rock	0.98	32.8	491.5	753.7	49	2.0	11.3	8.0	743	1.42	0.9	8.2	6.3	71	0.2	0.2	3.7	6	2.89	0.163
SK16-7	Rock	1.35	0.3	8.6	4.7	34	<0.1	6.8	4.0	329	0.83	<0.5	<0.5	4.4	9	<0.1	<0.1	0.2	3	0.13	0.021
SK16-8	Rock	0.43	0.9	97.1	13.0	67	0.1	13.9	16.0	637	1.86	16.9	3.4	10.1	49	0.1	0.3	0.7	5	2.83	0.045
SK16-9	Rock	1.26	0.8	8.5	6.4	32	<0.1	10.6	11.0	727	1.76	7.5	2.6	8.5	61	0.1	0.2	0.8	4	3.83	0.042
SK16-10	Rock	1.13	0.6	13.1	13.2	61	<0.1	16.0	10.8	119	2.10	162.3	<0.5	9.1	17	<0.1	0.7	0.5	10	2.73	0.062
SK16-11	Rock	0.74	0.6	15.6	16.3	42	<0.1	14.0	8.3	298	1.81	101.5	<0.5	8.0	51	0.1	0.4	0.4	7	8.63	0.048
SK16-12	Rock	1.58	0.1	374.7	72.3	97	0.3	10.9	4.7	141	1.86	17.1	0.9	7.1	20	0.5	1.3	0.3	9	3.12	0.089
SK16-31	Rock	0.98	0.4	6.7	14.5	195	<0.1	19.3	20.1	2103	2.01	0.7	<0.5	10.1	7	0.2	<0.1	0.2	9	0.05	0.013
SK16-32	Rock	0.88	0.2	954.4	6.9	58	2.1	10.4	7.0	702	0.95	1.7	12.5	9.0	8	0.2	0.3	1.5	13	0.18	0.052
SK16-33	Rock	0.63	<0.1	739.3	4.1	133	1.7	22.4	16.0	1354	2.11	0.5	10.9	8.6	15	0.2	<0.1	1.1	12	0.19	0.036
SK16-34	Rock	0.73	0.9	106.4	34.0	57	<0.1	13.8	5.5	1252	2.72	<0.5	1.7	7.1	4	<0.1	0.9	0.9	7	0.02	0.018
SK16-35	Rock	0.89	0.3	15.9	8.0	20	<0.1	2.9	1.5	192	0.57	0.8	<0.5	4.9	17	<0.1	0.2	0.2	4	0.12	0.008
SK16-36	Rock	0.66	0.2	5.4	6.4	18	<0.1	2.5	1.7	66	0.55	0.5	<0.5	6.8	5	<0.1	0.1	0.1	2	0.07	0.010
SK16-37	Rock	0.41	0.6	9.2	7.0	6	<0.1	1.3	0.6	505	0.51	<0.5	<0.5	5.3	4	<0.1	0.3	<0.1	2	0.42	0.008
SK16-38	Rock	0.48	0.2	3.6	6.1	21	<0.1	4.5	2.5	57	0.69	<0.5	<0.5	9.0	4	<0.1	0.2	0.1	3	0.09	0.022
SK16-39	Rock	0.91	0.2	3.1	4.2	97	<0.1	18.4	10.5	157	1.07	<0.5	<0.5	4.3	3	<0.1	<0.1	0.1	3	0.04	0.021
SK16-40	Rock	0.76	0.2	3.0	5.1	54	<0.1	8.7	6.5	77	0.55	<0.5	<0.5	21.1	3	<0.1	<0.1	<0.1	<2	0.02	0.010
SK16-41	Rock	0.74	0.5	64.0	40.7	67	<0.1	11.3	8.4	1058	1.91	1.2	<0.5	5.2	3	<0.1	0.2	<0.1	5	0.03	0.022
SK16-42	Rock	0.62	0.1	613.3	9.0	95	1.5	19.7	14.8	1564	1.98	2.0	7.6	8.7	29	0.2	0.1	3.4	9	2.24	0.051
SK16-43	Rock	0.78	<0.1	21.4	7.2	87	<0.1	16.7	9.6	250	2.22	0.5	<0.5	10.6	4	<0.1	<0.1	<0.1	7	0.06	0.032
SK16-44	Rock	0.78	0.1	4.0	6.2	35	<0.1	10.5	5.1	246	1.01	0.6	<0.5	7.6	10	<0.1	<0.1	<0.1	4	0.47	0.020

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Bureau Veritas Commodities Canada 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: SILVER FOX
Report Date: July 25, 2016

CERTIFICATE OF ANALYSIS VAN16001174.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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
SK16-1	Rock	14	9	1.77	67	0.006	1	0.89	0.021	0.20	<0.1	0.02	1.6	0.2	0.32	2	<0.5	0.3
SK16-2	Rock	32	13	1.93	107	0.012	1	2.15	0.005	0.47	<0.1	<0.01	2.4	0.2	<0.05	5	<0.5	<0.2
SK16-3	Rock	27	12	1.80	109	0.004	<1	1.52	0.019	0.31	<0.1	<0.01	1.9	0.1	<0.05	4	<0.5	<0.2
SK16-4	Rock	15	8	1.19	77	0.003	<1	1.17	0.005	0.11	<0.1	<0.01	0.8	<0.1	<0.05	3	<0.5	<0.2
SK16-5	Rock	10	6	0.94	88	<0.001	<1	0.08	0.001	0.05	<0.1	0.04	0.5	<0.1	<0.05	<1	<0.5	<0.2
SK16-6	Rock	17	10	1.77	161	0.004	<1	0.94	0.034	0.22	<0.1	<0.01	2.3	<0.1	<0.05	2	<0.5	0.4
SK16-7	Rock	19	8	0.45	71	0.002	<1	0.58	0.018	0.12	<0.1	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
SK16-8	Rock	31	6	1.60	158	0.003	1	0.71	0.021	0.26	<0.1	<0.01	2.3	0.3	0.51	2	<0.5	<0.2
SK16-9	Rock	26	4	1.83	84	0.002	<1	0.45	0.022	0.25	<0.1	<0.01	1.7	0.2	0.62	1	<0.5	<0.2
SK16-10	Rock	25	13	2.04	49	0.009	2	1.80	0.020	0.42	<0.1	<0.01	2.5	0.3	0.42	5	<0.5	<0.2
SK16-11	Rock	23	10	2.39	35	0.005	1	1.20	0.024	0.26	<0.1	<0.01	2.2	0.1	0.51	3	<0.5	<0.2
SK16-12	Rock	28	6	3.08	51	0.011	2	1.75	0.013	0.55	<0.1	0.04	2.7	0.4	<0.05	4	<0.5	<0.2
SK16-31	Rock	15	9	1.11	74	0.013	<1	1.42	0.025	0.22	<0.1	0.01	1.9	0.1	<0.05	4	<0.5	<0.2
SK16-32	Rock	23	13	0.70	46	0.010	<1	0.90	0.033	0.19	<0.1	<0.01	2.3	0.1	<0.05	3	<0.5	0.7
SK16-33	Rock	34	17	1.95	50	0.026	<1	2.16	0.038	0.28	<0.1	<0.01	2.7	0.2	<0.05	5	<0.5	0.3
SK16-34	Rock	15	7	0.12	92	0.011	<1	0.60	0.005	0.22	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
SK16-35	Rock	17	7	0.09	57	0.058	<1	0.33	0.057	0.12	0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
SK16-36	Rock	13	6	0.06	45	0.049	<1	0.28	0.046	0.15	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
SK16-37	Rock	11	6	<0.01	169	0.040	<1	0.18	0.047	0.06	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
SK16-38	Rock	24	5	0.08	65	0.053	<1	0.45	0.033	0.27	<0.1	<0.01	0.7	0.1	<0.05	1	<0.5	<0.2
SK16-39	Rock	15	7	0.56	35	0.005	<1	0.76	0.038	0.14	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
SK16-40	Rock	28	8	0.31	45	0.003	<1	0.51	0.036	0.13	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
SK16-41	Rock	25	6	0.77	176	0.003	<1	1.02	0.002	0.13	<0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
SK16-42	Rock	20	9	1.43	176	0.005	<1	1.46	0.009	0.23	<0.1	0.03	1.8	<0.1	<0.05	4	<0.5	0.3
SK16-43	Rock	14	8	1.21	96	0.004	2	1.69	0.004	0.36	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
SK16-44	Rock	25	5	0.24	45	0.007	<1	0.52	0.024	0.19	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2

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

Project: SILVER FOX
Report Date: July 25, 2016

QUALITY CONTROL REPORT VAN16001174.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
SK16-4	Rock	0.55	0.3	10.0	8.7	111	<0.1	10.2	5.0	322	1.62	0.6	<0.5	5.0	4	<0.1	0.1	<0.1	4	0.08	0.031
REP SK16-4	QC		0.3	9.9	8.6	114	<0.1	10.1	5.1	320	1.60	0.6	<0.5	5.0	4	<0.1	0.1	<0.1	4	0.08	0.031
Reference Materials																					
STD DS10	Standard		15.1	159.8	149.9	375	1.9	75.9	12.8	904	2.80	47.6	67.1	7.2	63	2.6	9.2	11.6	45	1.08	0.076
STD OXC129	Standard		1.3	27.9	6.2	42	<0.1	80.2	20.5	413	3.04	0.8	203.3	1.7	185	<0.1	<0.1	<0.1	53	0.66	0.103
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
Prep Wash																					
ROCK-VAN	Prep Blank		0.9	5.2	1.0	36	<0.1	1.5	4.1	503	1.93	0.8	2.1	2.2	19	<0.1	<0.1	0.1	24	0.58	0.046
ROCK-VAN	Prep Blank		1.1	6.0	1.0	36	<0.1	1.5	4.0	518	1.92	1.0	<0.5	2.3	19	<0.1	<0.1	<0.1	24	0.60	0.042

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

Project: SILVER FOX
Report Date: July 25, 2016

QUALITY CONTROL REPORT VAN16001174.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
SK16-4	Rock	15	8	1.19	77	0.003	<1	1.17	0.005	0.11	<0.1	<0.01	0.8	<0.1	<0.05	3	<0.5	<0.2
REP SK16-4	QC	15	8	1.19	77	0.003	<1	1.17	0.005	0.11	<0.1	<0.01	0.8	<0.1	<0.05	3	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	17	57	0.79	366	0.069	7	1.08	0.073	0.34	3.6	0.31	2.9	5.4	0.29	4	2.2	5.1
STD OXC129	Standard	12	54	1.60	50	0.361	1	1.58	0.614	0.37	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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																		
ROCK-VAN	Prep Blank	6	4	0.47	60	0.067	3	0.90	0.101	0.10	0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	5	0.48	56	0.065	2	0.91	0.094	0.09	0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2

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Submitted By: Email Distribution List - Soil & Rock
Receiving Lab: Canada-Vancouver
Received: July 13, 2016
Report Date: July 27, 2016
Page: 1 of 3

CERTIFICATE OF ANALYSIS VAN16001175.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 39

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	39	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	39	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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 MINERAL LABORATORIES Canada

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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: SILVER FOX
Report Date: July 27, 2016

CERTIFICATE OF ANALYSIS VAN16001175.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
SK16-46	Rock	0.73	0.4	2.2	3.9	15	<0.1	3.8	2.0	1520	0.48	1.9	<0.5	1.3	18	0.4	0.1	<0.1	<2	1.25	0.021
SK16-47	Rock	0.72	0.1	166.2	12.3	57	<0.1	12.4	7.7	481	1.45	1.0	3.7	4.5	16	<0.1	0.1	0.1	9	0.20	0.023
SK16-48	Rock	0.63	0.1	3.4	7.4	35	<0.1	9.6	5.2	500	0.91	<0.5	<0.5	6.7	18	<0.1	<0.1	<0.1	4	0.91	0.011
SK16-49	Rock	0.70	0.2	4.3	5.9	17	<0.1	4.6	2.3	45	0.87	<0.5	<0.5	14.3	3	<0.1	<0.1	<0.1	3	0.05	0.016
SK16-50	Rock	0.96	0.2	2.6	5.3	32	<0.1	6.5	4.0	262	0.70	<0.5	<0.5	7.1	11	<0.1	<0.1	<0.1	3	0.47	0.012
SK16-51	Rock	0.89	0.2	5.1	2.3	15	<0.1	2.9	1.5	35	0.27	<0.5	<0.5	3.1	2	<0.1	<0.1	<0.1	<2	0.03	0.011
SK16-52	Rock	0.71	0.2	3.7	2.7	12	<0.1	2.9	1.8	104	0.32	<0.5	3.3	6.9	1	<0.1	<0.1	<0.1	<2	0.01	0.008
SK16-53	Rock	0.88	0.2	302.2	778.5	38	1.8	6.2	3.3	742	1.15	0.7	2.2	6.6	68	0.8	0.2	4.5	5	2.50	0.040
SK16-54	Rock	0.88	<0.1	347.6	31.1	229	0.3	35.0	20.7	807	5.43	0.7	2.5	7.9	58	0.8	0.5	0.5	17	0.90	0.048
SK16-55	Rock	0.91	1.2	3.9	23.6	8	0.2	2.3	0.4	38	0.62	<0.5	0.5	1.1	2	<0.1	0.1	0.4	<2	0.02	0.018
SK16-56	Rock	0.44	0.7	332.7	13.0	45	0.6	13.1	7.3	506	1.22	0.6	1.4	9.3	32	0.1	0.3	0.9	4	1.44	0.045
SK16-57	Rock	0.79	0.2	29.2	18.3	36	0.2	5.4	3.0	202	0.58	0.7	1.0	8.6	12	<0.1	0.3	0.1	4	0.07	0.013
SK16-58	Rock	0.85	0.1	37.4	10.9	26	0.3	3.8	2.0	169	0.59	<0.5	1.1	7.1	11	<0.1	0.1	0.2	3	0.06	0.011
SK16-59	Rock	1.07	0.1	15.7	13.4	10	<0.1	1.3	0.5	89	0.47	<0.5	1.9	6.9	7	<0.1	0.2	0.4	2	0.07	0.005
SK16-60	Rock	0.93	0.1	20.2	13.1	8	<0.1	1.8	0.9	100	0.63	<0.5	2.6	5.8	9	<0.1	0.2	0.3	3	0.07	0.010
SK16-61	Rock	1.32	<0.1	18.9	11.3	89	<0.1	11.4	6.6	263	1.32	<0.5	1.7	10.6	8	<0.1	<0.1	0.2	5	0.08	0.028
SK16-62	Rock	0.96	0.2	27.1	8.5	58	<0.1	6.9	4.4	744	0.85	<0.5	2.0	7.8	7	0.2	<0.1	0.1	3	0.05	0.016
SK16-63	Rock	0.97	0.1	5.0	12.2	66	<0.1	11.4	6.9	125	1.45	<0.5	1.6	10.2	7	<0.1	<0.1	0.2	5	0.06	0.030
SK16-64	Rock	0.66	0.3	324.1	16.8	146	0.2	17.3	13.0	1696	2.15	<0.5	1.3	9.5	59	0.4	<0.1	0.2	8	1.83	0.064
SK16-65	Rock	0.59	0.2	26.9	5.5	53	<0.1	18.2	11.5	1663	1.57	<0.5	1.0	7.2	37	0.3	<0.1	0.1	4	2.38	0.013
SK16-66	Rock	0.92	<0.1	108.3	4.3	93	<0.1	17.1	9.1	1010	1.64	<0.5	0.8	6.5	22	0.4	<0.1	0.1	5	1.73	0.013
SK16-67	Rock	0.71	<0.1	27.6	3.2	122	<0.1	18.5	11.5	441	1.87	<0.5	1.3	8.2	12	0.2	<0.1	0.1	5	0.72	0.013
SK16-68	Rock	0.53	0.1	57.0	5.7	95	<0.1	11.7	8.2	479	1.45	<0.5	0.8	10.5	18	0.3	<0.1	0.8	3	1.18	0.011
SK16-69	Rock	0.72	0.4	239.0	9.7	78	0.2	11.3	7.8	435	1.32	0.5	2.6	9.2	24	0.4	<0.1	0.6	4	1.48	0.015
SK16-70	Rock	0.68	0.3	90.8	43.6	15	<0.1	4.7	3.1	139	0.53	2.3	0.6	9.1	2	<0.1	0.1	1.3	2	0.03	0.023
SK16-71	Rock	0.85	0.2	21.2	7.5	89	<0.1	12.0	8.0	470	1.47	0.5	1.3	8.2	45	0.2	<0.1	0.2	3	1.78	0.012
SK16-72	Rock	0.61	0.2	61.5	5.3	170	<0.1	44.0	48.8	562	9.14	9.2	0.5	1.5	16	<0.1	<0.1	0.1	82	0.42	0.161
SK16-73	Rock	0.76	0.2	34.6	3.4	12	<0.1	2.8	2.6	256	0.48	0.8	0.8	3.4	3	0.1	<0.1	0.3	<2	0.02	0.008
SK16-74	Rock	1.25	0.2	20.6	9.5	27	<0.1	3.5	1.9	913	0.69	<0.5	<0.5	8.9	24	0.3	<0.1	<0.1	4	0.62	0.013
SK16-75	Rock	0.70	0.1	239.9	12.9	152	1.1	17.0	10.5	685	1.20	1.5	2.8	10.8	14	0.2	0.3	0.8	8	0.33	0.079

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Project: SILVER FOX
Report Date: July 27, 2016

CERTIFICATE OF ANALYSIS VAN16001175.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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
SK16-46	Rock	5	5	0.13	121	0.008	<1	0.21	0.007	0.07	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
SK16-47	Rock	17	11	0.54	49	0.034	<1	0.81	0.039	0.21	<0.1	<0.01	1.3	0.1	<0.05	2	<0.5	<0.2
SK16-48	Rock	25	5	0.21	57	0.004	<1	0.45	0.023	0.17	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
SK16-49	Rock	38	6	0.10	45	0.003	<1	0.32	0.025	0.15	<0.1	<0.01	1.1	<0.1	<0.05	1	<0.5	<0.2
SK16-50	Rock	22	5	0.19	56	0.006	<1	0.43	0.033	0.15	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
SK16-51	Rock	13	2	0.07	35	0.001	<1	0.27	0.024	0.12	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
SK16-52	Rock	20	3	0.06	33	0.002	2	0.27	0.023	0.11	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
SK16-53	Rock	22	5	1.57	55	0.002	2	0.66	0.020	0.16	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	0.2
SK16-54	Rock	25	22	3.43	42	0.006	1	3.92	0.004	0.12	<0.1	<0.01	3.7	<0.1	0.06	9	<0.5	<0.2
SK16-55	Rock	5	3	<0.01	78	<0.001	1	0.06	0.002	0.03	<0.1	0.06	0.3	<0.1	<0.05	<1	<0.5	<0.2
SK16-56	Rock	47	6	0.90	76	0.003	2	0.76	0.016	0.26	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
SK16-57	Rock	27	5	0.18	105	0.040	1	0.55	0.045	0.32	0.1	<0.01	1.1	0.2	<0.05	2	<0.5	<0.2
SK16-58	Rock	29	5	0.11	49	0.036	2	0.32	0.049	0.16	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
SK16-59	Rock	19	5	0.01	43	0.056	<1	0.19	0.061	0.09	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
SK16-60	Rock	19	5	0.03	37	0.048	<1	0.22	0.058	0.12	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
SK16-61	Rock	22	6	0.39	76	0.009	1	0.84	0.020	0.30	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
SK16-62	Rock	24	5	0.24	75	0.009	1	0.56	0.036	0.19	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
SK16-63	Rock	22	7	0.26	70	0.005	<1	0.60	0.034	0.24	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
SK16-64	Rock	23	14	0.96	70	0.005	<1	1.48	0.029	0.20	0.3	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
SK16-65	Rock	18	5	0.29	57	0.002	2	0.84	0.007	0.18	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
SK16-66	Rock	25	5	0.56	59	0.002	1	1.14	0.007	0.20	<0.1	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
SK16-67	Rock	24	8	0.62	60	0.002	2	1.22	0.006	0.18	<0.1	<0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
SK16-68	Rock	30	7	0.52	53	0.002	<1	0.97	0.006	0.16	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
SK16-69	Rock	28	6	0.40	44	0.002	1	0.94	0.006	0.22	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
SK16-70	Rock	62	5	0.05	48	0.010	<1	0.33	0.004	0.19	0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
SK16-71	Rock	25	5	0.43	38	0.002	1	0.91	0.004	0.20	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
SK16-72	Rock	14	11	2.94	79	0.018	<1	4.68	0.032	0.10	<0.1	<0.01	7.4	<0.1	<0.05	15	<0.5	<0.2
SK16-73	Rock	21	2	0.04	32	0.001	<1	0.27	0.004	0.15	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
SK16-74	Rock	15	6	0.08	83	0.028	1	0.31	0.045	0.16	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
SK16-75	Rock	34	10	0.72	123	0.040	1	1.22	0.051	0.42	0.1	<0.01	2.4	0.2	<0.05	3	<0.5	<0.2

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Client: **Kootenay Silver Inc.**
Suite 1820 - 1055 W. Hastings St.
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Project: SILVER FOX
Report Date: July 27, 2016

CERTIFICATE OF ANALYSIS VAN16001175.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
SK16-76	Rock	0.79	3.0	52.9	12.5	118	0.4	15.5	8.0	202	1.05	1.6	0.7	9.3	8	<0.1	0.3	2.1	6	0.03	0.010
SK16-77	Rock	0.83	0.1	50.0	3.7	82	<0.1	13.6	12.6	787	1.33	<0.5	0.8	12.0	14	0.2	<0.1	0.5	7	0.11	0.014
SK16-78	Rock	0.74	0.3	1175.0	2.4	22	4.1	6.7	3.4	270	0.68	1.0	136.9	2.6	7	<0.1	0.1	4.7	3	0.10	0.021
SK16-79	Rock	0.98	0.3	5.6	4.5	4	<0.1	1.5	0.6	226	0.58	0.5	0.9	5.0	3	<0.1	0.2	0.1	<2	0.02	0.008
SK16-80	Rock	0.61	0.2	24.1	7.6	15	<0.1	3.0	1.5	1001	0.83	0.8	1.7	6.3	6	0.2	0.2	0.3	3	0.04	0.006
SK16-81	Rock	0.35	<0.1	5.2	8.6	16	<0.1	4.3	2.0	1232	0.75	0.5	1.4	7.0	37	0.2	0.1	0.2	3	1.23	0.011
SK16-82	Rock	0.58	5.0	465.6	142.1	136	4.0	16.5	9.8	460	1.06	4.6	5.0	11.2	26	0.1	1.0	5.1	9	0.58	0.255
SK16-83	Rock	0.79	0.6	38.7	200.1	44	0.5	3.8	2.9	584	0.70	0.6	0.7	3.2	9	0.2	<0.1	2.0	3	1.06	0.053
SK16-84	Rock	0.66	0.2	9.1	12.0	15	<0.1	7.5	4.6	268	0.84	0.9	0.6	4.4	5	<0.1	0.5	0.1	7	0.05	0.022

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CERTIFICATE OF ANALYSIS VAN16001175.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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
SK16-76	Rock	10	8	0.51	55	0.030	<1	0.93	0.040	0.35	<0.1	<0.01	1.3	0.2	<0.05	2	<0.5	<0.2
SK16-77	Rock	31	8	0.78	72	0.041	1	1.25	0.045	0.29	0.1	<0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
SK16-78	Rock	8	6	0.19	29	0.015	<1	0.36	0.023	0.11	<0.1	<0.01	0.8	<0.1	<0.05	<1	3.1	15.7
SK16-79	Rock	11	5	0.01	90	0.007	<1	0.14	0.056	0.05	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
SK16-80	Rock	16	6	0.04	292	0.013	<1	0.26	0.059	0.10	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
SK16-81	Rock	14	6	0.08	54	0.015	<1	0.28	0.053	0.15	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
SK16-82	Rock	27	13	0.60	197	0.039	2	1.12	0.054	0.37	0.1	<0.01	2.4	0.1	<0.05	3	<0.5	0.4
SK16-83	Rock	11	5	0.34	23	0.002	<1	0.41	0.005	0.08	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	0.2
SK16-84	Rock	21	7	0.27	46	0.008	<1	0.53	0.008	0.11	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2

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QUALITY CONTROL REPORT VAN16001175.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
SK16-54	Rock	0.88	<0.1	347.6	31.1	229	0.3	35.0	20.7	807	5.43	0.7	2.5	7.9	58	0.8	0.5	0.5	17	0.90	0.048
REP SK16-54	QC		<0.1	351.0	32.2	246	0.2	35.9	20.1	806	5.52	0.6	2.9	7.9	58	0.8	0.5	0.5	17	0.90	0.047
Core Reject Duplicates																					
SK16-52	Rock	0.71	0.2	3.7	2.7	12	<0.1	2.9	1.8	104	0.32	<0.5	3.3	6.9	1	<0.1	<0.1	<0.1	<2	0.01	0.008
DUP SK16-52	QC		0.2	4.0	2.8	11	<0.1	3.1	1.8	94	0.29	<0.5	2.7	7.4	1	<0.1	<0.1	<0.1	<2	0.01	0.008
Reference Materials																					
STD DS10	Standard		14.4	156.6	158.0	370	1.9	78.5	13.7	891	2.77	49.1	93.8	8.1	68	3.0	9.6	13.4	43	1.08	0.081
STD DS10	Standard		15.1	159.8	149.9	375	1.9	75.9	12.8	904	2.80	47.6	67.1	7.2	63	2.6	9.2	11.6	45	1.08	0.076
STD DS10	Standard		14.3	141.1	134.9	350	1.8	72.5	12.8	849	2.65	43.9	107.3	6.7	63	2.4	8.0	11.3	42	1.03	0.073
STD OXC129	Standard		1.3	29.1	7.3	45	<0.1	83.3	22.5	420	3.02	0.7	200.4	2.0	186	<0.1	<0.1	<0.1	51	0.66	0.112
STD OXC129	Standard		1.3	27.9	6.2	42	<0.1	80.2	20.5	413	3.04	0.8	203.3	1.7	185	<0.1	<0.1	<0.1	53	0.66	0.103
STD OXC129	Standard		1.3	26.6	6.0	42	<0.1	79.9	20.5	421	3.06	0.6	194.7	1.8	190	<0.1	<0.1	<0.1	49	0.64	0.107
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
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
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
Prep Wash																					
ROCK-VAN	Prep Blank		1.2	4.5	1.2	32	<0.1	1.4	3.9	484	1.87	0.9	<0.5	2.1	19	<0.1	<0.1	<0.1	24	0.59	0.041
ROCK-VAN	Prep Blank		1.4	3.9	1.1	29	<0.1	1.4	4.0	472	1.84	1.0	<0.5	2.2	18	<0.1	<0.1	<0.1	23	0.59	0.044

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Bureau Veritas Commodities Canada 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: SILVER FOX

Report Date: July 27, 2016

QUALITY CONTROL REPORT VAN16001175.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
SK16-54	Rock	25	22	3.43	42	0.006	1	3.92	0.004	0.12	<0.1	<0.01	3.7	<0.1	0.06	9	<0.5	<0.2
REP SK16-54	QC	24	24	3.43	42	0.006	1	3.94	0.004	0.12	<0.1	0.01	3.9	<0.1	0.06	9	<0.5	<0.2
Core Reject Duplicates																		
SK16-52	Rock	20	3	0.06	33	0.002	2	0.27	0.023	0.11	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
DUP SK16-52	QC	20	3	0.06	32	0.002	2	0.26	0.022	0.10	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	18	54	0.79	377	0.081	9	1.07	0.072	0.34	3.3	0.28	3.1	5.4	0.28	5	2.3	5.0
STD DS10	Standard	17	57	0.79	366	0.069	7	1.08	0.073	0.34	3.6	0.31	2.9	5.4	0.29	4	2.2	5.1
STD DS10	Standard	15	54	0.74	317	0.075	7	1.01	0.071	0.34	3.2	0.29	3.0	4.9	0.26	4	2.4	4.8
STD OXC129	Standard	14	52	1.55	54	0.406	2	1.52	0.596	0.37	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	12	54	1.60	50	0.361	1	1.58	0.614	0.37	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	54	1.56	49	0.400	1	1.63	0.632	0.40	<0.1	<0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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	<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	<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																		
ROCK-VAN	Prep Blank	6	3	0.46	57	0.072	1	0.88	0.093	0.09	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	4	0.45	56	0.071	2	0.84	0.093	0.09	0.2	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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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: July 13, 2016
Report Date: July 26, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001176.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 21

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	21	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	21	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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.

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

Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001176.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
TK16-6	Rock	1.02	<0.1	36.6	20.5	133	<0.1	17.4	15.6	967	1.50	1.2	<0.5	8.7	11	<0.1	<0.1	0.1	8	0.19	0.049
TK16-7	Rock	0.93	0.1	1020.5	7.3	65	1.5	8.1	6.4	723	0.81	0.6	31.3	6.3	11	0.3	0.2	1.9	16	0.14	0.029
TK16-8	Rock	0.89	<0.1	3112.5	14.8	66	8.4	12.9	8.1	955	1.07	0.7	44.0	11.1	15	0.6	0.3	10.5	28	0.15	0.027
TK16-9	Rock	0.82	<0.1	838.2	3.6	74	4.9	9.6	9.6	375	1.02	0.7	338.2	2.1	9	<0.1	0.2	5.0	4	0.07	0.020
TK16-10	Rock	1.46	<0.1	424.2	29.8	80	1.8	23.4	10.7	498	1.41	0.7	9.1	10.3	14	<0.1	0.2	1.4	15	0.13	0.044
TK16-11	Rock	1.29	<0.1	1433.0	12.4	76	3.5	11.2	8.1	1086	0.95	0.9	1.5	6.7	14	0.3	<0.1	2.8	16	0.35	0.052
TK16-12	Rock	1.22	<0.1	291.4	4.9	53	0.5	6.8	4.5	374	1.16	0.7	1.1	6.8	16	<0.1	<0.1	3.5	7	0.09	0.008
TK16-13	Rock	1.21	0.2	10.0	6.6	33	<0.1	7.7	3.7	711	0.88	0.8	0.9	4.4	14	0.4	<0.1	0.1	7	0.12	0.020
TK16-14	Rock	1.67	<0.1	316.0	9.7	108	0.4	15.1	13.9	783	2.08	<0.5	2.1	9.6	11	<0.1	<0.1	3.7	12	0.07	0.017
TK16-15	Rock	1.76	0.5	5.7	8.1	40	<0.1	5.6	4.7	1059	0.48	<0.5	<0.5	5.0	22	0.2	<0.1	<0.1	<2	1.15	0.011
TK16-16	Rock	2.61	<0.1	6.9	4.6	14	<0.1	3.5	2.2	175	0.38	<0.5	1.4	9.0	9	<0.1	<0.1	0.1	<2	0.41	0.008
TK16-17	Rock	1.56	<0.1	4.8	6.1	29	<0.1	6.8	3.4	83	0.63	<0.5	0.5	7.9	3	<0.1	<0.1	0.1	3	0.06	0.016
TK16-18	Rock	1.57	<0.1	5.1	3.7	14	<0.1	3.2	1.9	106	0.28	<0.5	0.5	12.3	6	<0.1	<0.1	0.1	<2	0.25	0.009
TK16-19	Rock	1.20	<0.1	4.1	4.5	31	<0.1	6.2	3.7	191	0.39	<0.5	<0.5	10.0	7	<0.1	<0.1	0.1	<2	0.24	0.030
TK16-20	Rock	1.36	<0.1	2.4	4.2	20	<0.1	3.7	2.7	355	0.38	<0.5	1.3	8.7	7	<0.1	<0.1	<0.1	3	0.55	0.008
TK16-21	Rock	1.03	<0.1	2.6	4.2	36	<0.1	5.0	3.9	54	0.44	<0.5	0.9	9.3	3	<0.1	<0.1	<0.1	2	0.02	0.008
TK16-22	Rock	1.83	<0.1	3.1	6.0	53	<0.1	12.1	7.2	429	0.91	<0.5	0.7	7.8	12	<0.1	<0.1	<0.1	4	0.51	0.015
TK16-23	Rock	1.12	0.2	3.2	3.5	29	<0.1	6.1	5.0	421	0.72	1.3	<0.5	5.5	24	0.5	<0.1	<0.1	2	0.07	0.033
TK16-24	Rock	0.54	0.3	120.0	183.0	70	1.2	16.2	9.9	781	2.09	0.5	1.4	10.3	91	1.8	0.2	3.1	9	2.85	0.054
TK16-25	Rock	1.48	1.4	112.7	59.7	22	0.5	2.8	3.5	858	1.12	1.1	1.6	1.8	53	1.1	0.1	1.0	<2	2.97	0.097
TK16-26	Rock	1.32	0.2	11.2	12.4	2	0.1	0.5	0.6	30	0.24	1.4	0.5	2.2	6	<0.1	<0.1	0.3	<2	0.11	0.052

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

Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001176.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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
TK16-6	Rock	16	6	1.36	96	0.046	<1	1.57	0.013	0.52	0.1	<0.01	1.0	0.3	<0.05	4	<0.5	<0.2
TK16-7	Rock	23	14	0.73	24	0.048	<1	0.86	0.048	0.09	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
TK16-8	Rock	26	14	0.88	80	0.056	<1	1.22	0.033	0.33	<0.1	<0.01	2.3	0.2	<0.05	4	<0.5	0.3
TK16-9	Rock	7	5	0.75	59	0.021	<1	0.79	0.018	0.07	<0.1	<0.01	0.8	<0.1	<0.05	2	<0.5	0.7
TK16-10	Rock	15	13	0.81	111	0.052	<1	1.35	0.021	0.60	0.1	<0.01	1.7	0.3	<0.05	4	<0.5	0.8
TK16-11	Rock	15	11	0.88	125	0.020	<1	1.06	0.022	0.22	<0.1	<0.01	1.3	0.1	<0.05	3	<0.5	<0.2
TK16-12	Rock	20	9	0.52	34	0.017	<1	0.77	0.062	0.10	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
TK16-13	Rock	19	7	0.30	100	0.025	<1	0.55	0.015	0.17	<0.1	<0.01	1.0	0.1	<0.05	1	<0.5	<0.2
TK16-14	Rock	13	23	1.20	34	0.022	<1	1.45	0.051	0.10	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
TK16-15	Rock	19	2	0.20	109	0.002	<1	0.34	0.014	0.10	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK16-16	Rock	21	3	0.10	46	0.003	1	0.36	0.021	0.18	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
TK16-17	Rock	21	3	0.17	50	0.003	<1	0.51	0.016	0.22	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
TK16-18	Rock	22	3	0.09	55	0.003	1	0.40	0.026	0.18	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
TK16-19	Rock	33	3	0.19	52	0.003	1	0.48	0.017	0.18	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
TK16-20	Rock	25	3	0.12	86	0.002	<1	0.38	0.026	0.14	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK16-21	Rock	25	4	0.20	45	0.003	1	0.40	0.027	0.11	<0.1	<0.01	0.5	<0.1	<0.05	1	<0.5	<0.2
TK16-22	Rock	24	5	0.33	78	0.005	<1	0.57	0.024	0.17	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
TK16-23	Rock	24	5	0.27	115	0.002	1	0.58	0.007	0.16	<0.1	<0.01	1.2	<0.1	<0.05	1	<0.5	<0.2
TK16-24	Rock	40	8	1.99	99	0.002	<1	1.08	0.008	0.21	<0.1	<0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
TK16-25	Rock	21	2	1.16	28	<0.001	<1	0.08	0.002	0.04	<0.1	0.04	0.4	<0.1	<0.05	<1	0.5	<0.2
TK16-26	Rock	11	2	<0.01	82	<0.001	1	0.10	0.002	0.04	<0.1	0.18	0.2	<0.1	<0.05	<1	<0.5	<0.2

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

Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001176.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Core Reject Duplicates																					
TK16-21	Rock	1.03	<0.1	2.6	4.2	36	<0.1	5.0	3.9	54	0.44	<0.5	0.9	9.3	3	<0.1	<0.1	<0.1	2	0.02	0.008
DUP TK16-21	QC		<0.1	3.4	4.3	37	<0.1	5.3	4.1	56	0.47	<0.5	0.9	9.2	4	<0.1	<0.1	<0.1	2	0.02	0.008
Reference Materials																					
STD DS10	Standard		14.7	165.4	156.1	369	1.8	76.0	13.1	910	2.73	45.6	80.7	8.0	69	3.0	8.1	12.5	43	1.10	0.078
STD DS10	Standard		16.0	161.1	158.5	374	1.9	77.5	13.6	896	2.81	46.4	132.1	8.3	69	3.0	9.0	13.2	48	1.04	0.076
STD OXC129	Standard		1.4	30.0	6.8	45	<0.1	83.0	21.4	431	3.11	<0.5	196.2	2.0	200	<0.1	<0.1	<0.1	51	0.66	0.103
STD OXC129	Standard		1.3	31.3	6.9	44	<0.1	84.8	21.7	444	3.29	<0.5	201.4	2.1	198	<0.1	<0.1	<0.1	59	0.74	0.101
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
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
Prep Wash																					
ROCK-VAN	Prep Blank		1.2	4.3	1.2	31	<0.1	0.7	3.9	499	1.84	1.0	<0.5	2.4	24	<0.1	<0.1	<0.1	23	0.61	0.039
ROCK-VAN	Prep Blank		1.2	6.4	1.2	30	<0.1	0.7	3.7	480	1.78	1.1	<0.5	2.5	21	<0.1	<0.1	<0.1	23	0.60	0.040

BUREAU VERITAS MINERAL LABORATORIES Canada

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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: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001176.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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
Core Reject Duplicates																		
TK16-21	Rock	25	4	0.20	45	0.003	1	0.40	0.027	0.11	<0.1	<0.01	0.5	<0.1	<0.05	1	<0.5	<0.2
DUP TK16-21	QC	25	5	0.21	58	0.004	2	0.48	0.046	0.17	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	18	57	0.80	363	0.083	7	1.07	0.070	0.34	3.0	0.30	3.0	5.4	0.29	4	2.2	4.9
STD DS10	Standard	19	61	0.79	366	0.089	8	1.05	0.068	0.32	3.3	0.28	3.3	5.1	0.29	5	2.1	4.8
STD OXC129	Standard	14	55	1.59	52	0.415	<1	1.56	0.599	0.36	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	14	59	1.56	52	0.439	1	1.66	0.626	0.35	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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	<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																		
ROCK-VAN	Prep Blank	7	3	0.45	70	0.085	1	0.92	0.103	0.10	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	2	0.45	57	0.077	1	0.86	0.077	0.08	<0.1	<0.01	2.8	<0.1	<0.05	4	<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: July 13, 2016
Report Date: July 25, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001177.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 26

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	26	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	26	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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.

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

Project: SILVER FOX
Report Date: July 25, 2016

CERTIFICATE OF ANALYSIS VAN16001177.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
TK-27	Rock	1.40	1.1	3.0	13.2	3	0.1	2.8	0.2	22	0.31	<0.5	3.6	1.0	2	<0.1	0.1	0.2	<2	0.01	0.022
TK-28	Rock	1.25	0.1	4.2	5.3	20	<0.1	3.0	2.6	498	0.81	<0.5	1.3	3.1	25	0.2	0.1	0.2	4	1.59	0.017
TK-29	Rock	1.43	0.3	2.6	18.0	23	<0.1	2.0	2.6	1015	0.80	0.7	1.5	2.3	7	0.1	0.2	0.1	<2	0.35	0.013
TK-30	Rock	1.14	0.3	42.1	12.2	13	<0.1	1.7	1.8	392	0.60	0.8	1.3	2.1	10	<0.1	0.1	<0.1	<2	0.59	0.008
TK-31	Rock	1.63	0.5	18.5	21.5	31	<0.1	1.1	0.7	661	0.42	<0.5	0.8	5.2	7	0.1	0.3	0.3	<2	0.53	0.010
TK-32	Rock	0.76	0.3	35.3	25.7	26	<0.1	1.0	0.6	315	0.56	0.5	1.1	5.9	4	<0.1	0.2	0.2	2	0.19	0.009
TK-33	Rock	1.93	<0.1	17.3	13.5	7	<0.1	1.1	0.5	189	0.32	<0.5	<0.5	8.3	4	<0.1	0.1	0.1	<2	0.07	0.012
TK-34	Rock	0.91	<0.1	18.5	12.1	17	<0.1	2.1	1.3	126	0.59	<0.5	0.7	6.7	9	<0.1	0.1	0.1	2	0.06	0.008
TK-35	Rock	0.99	<0.1	46.6	18.9	9	<0.1	1.0	0.6	97	0.42	<0.5	0.6	4.8	6	<0.1	<0.1	0.2	2	0.05	0.012
TK-36	Rock	1.03	0.3	17.1	4.9	12	<0.1	0.4	0.3	300	0.35	<0.5	0.6	3.5	3	<0.1	0.1	0.2	<2	0.03	0.006
TK-37	Rock	0.92	0.4	26.5	6.3	7	<0.1	0.3	0.2	595	0.25	1.6	<0.5	3.6	4	0.1	0.6	0.2	<2	0.78	0.006
TK-38	Rock	0.99	0.2	14.5	7.3	5	<0.1	0.7	0.4	295	0.48	0.7	<0.5	4.5	3	<0.1	0.3	0.1	<2	0.03	0.006
TK-39	Rock	1.12	0.1	10.3	6.7	35	<0.1	2.0	1.1	124	0.65	<0.5	0.6	8.3	5	<0.1	0.1	0.2	2	0.09	0.010
TK-40	Rock	0.95	0.2	13.3	9.3	11	<0.1	0.6	0.4	200	0.53	<0.5	<0.5	6.7	3	<0.1	0.3	0.2	<2	0.02	0.007
TK-41	Rock	1.67	0.1	33.6	7.3	19	<0.1	0.8	0.4	329	0.46	<0.5	<0.5	7.1	6	<0.1	0.2	0.3	<2	0.23	0.007
TK-42	Rock	0.74	<0.1	15.8	14.0	27	<0.1	1.1	0.7	177	0.64	<0.5	2.6	5.9	5	0.1	0.2	0.2	3	0.24	0.014
TK-43	Rock	0.98	<0.1	94.4	7.0	5	0.1	0.5	0.2	385	0.41	<0.5	2.2	3.7	15	0.1	0.2	0.3	<2	0.17	0.007
TK-44	Rock	1.69	0.2	13.2	12.3	42	<0.1	2.6	1.9	881	0.54	0.9	2.0	10.1	10	0.2	0.3	0.4	3	0.72	0.013
TK-45	Rock	1.38	0.1	4.8	3.5	16	<0.1	1.2	0.7	112	0.34	<0.5	<0.5	5.7	4	<0.1	0.1	<0.1	<2	0.02	0.007
TK-46	Rock	1.25	0.1	24.4	7.9	11	<0.1	1.2	0.6	220	0.42	<0.5	<0.5	4.9	4	<0.1	0.1	0.4	<2	0.04	0.007
TK-47	Rock	0.80	0.3	46.1	5.2	9	0.2	0.6	0.3	247	0.48	0.5	0.9	6.8	4	<0.1	0.2	0.5	<2	0.20	0.007
TK-48	Rock	0.99	<0.1	36.3	6.4	8	0.1	0.9	0.5	377	0.61	1.0	<0.5	6.8	4	0.1	0.3	0.3	<2	0.31	0.007
TK-49	Rock	1.06	0.1	31.8	6.1	18	<0.1	1.3	0.7	294	0.62	0.7	0.5	6.7	5	<0.1	0.2	0.3	2	0.25	0.012
TK-50	Rock	0.83	<0.1	11.7	7.6	21	<0.1	1.3	0.8	728	0.57	<0.5	0.6	6.2	22	0.1	0.1	0.3	<2	0.50	0.006
TK-51	Rock	1.02	0.1	20.5	7.1	7	<0.1	0.9	0.4	622	0.61	0.8	<0.5	11.4	8	0.2	0.2	0.1	3	0.59	0.016
TK-52	Rock	1.01	<0.1	41.2	5.6	9	<0.1	1.3	0.7	206	0.70	0.5	0.7	6.6	8	<0.1	0.2	0.3	3	0.30	0.031

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PHONE (604) 253-3158

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

Project: SILVER FOX
Report Date: July 25, 2016

CERTIFICATE OF ANALYSIS VAN16001177.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	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	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
TK-27	Rock		4	5	<0.01	59	<0.001	<1	0.03	0.001	0.02	<0.1	0.11	<0.1	<0.1	<0.05	<1	<0.5	<0.2
TK-28	Rock		19	3	0.61	84	0.001	2	0.22	0.003	0.11	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
TK-29	Rock		17	2	0.02	84	<0.001	1	0.06	0.001	0.04	<0.1	0.02	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK-30	Rock		14	3	0.11	91	<0.001	<1	0.10	0.002	0.07	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK-31	Rock		15	3	0.03	194	0.028	<1	0.15	0.045	0.07	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK-32	Rock		15	4	0.02	135	0.060	<1	0.17	0.066	0.08	<0.1	<0.01	0.8	<0.1	<0.05	<1	0.6	<0.2
TK-33	Rock		20	4	0.02	50	0.051	<1	0.12	0.047	0.05	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
TK-34	Rock		22	4	0.05	56	0.048	<1	0.26	0.063	0.14	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
TK-35	Rock		15	3	0.02	43	0.034	<1	0.14	0.035	0.08	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK-36	Rock		13	3	<0.01	190	0.019	<1	0.16	0.059	0.05	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK-37	Rock		11	2	<0.01	167	0.020	<1	0.08	0.033	0.04	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
TK-38	Rock		10	3	<0.01	112	0.016	<1	0.16	0.074	0.06	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK-39	Rock		25	4	0.04	42	0.046	<1	0.18	0.042	0.10	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK-40	Rock		10	4	<0.01	107	0.010	<1	0.15	0.074	0.06	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK-41	Rock		16	3	<0.01	86	0.029	<1	0.11	0.042	0.06	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
TK-42	Rock		16	4	0.02	92	0.026	<1	0.19	0.066	0.09	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK-43	Rock		9	2	<0.01	1463	0.005	<1	0.10	0.051	0.05	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
TK-44	Rock		28	6	0.10	264	0.048	<1	0.38	0.067	0.22	0.2	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
TK-45	Rock		10	2	0.03	253	0.009	<1	0.14	0.039	0.07	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
TK-46	Rock		12	4	0.03	89	0.029	<1	0.19	0.052	0.10	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
TK-47	Rock		16	4	<0.01	87	0.007	<1	0.10	0.046	0.05	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
TK-48	Rock		17	5	<0.01	133	0.011	<1	0.15	0.063	0.07	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
TK-49	Rock		20	4	0.02	106	0.026	<1	0.16	0.042	0.09	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK-50	Rock		23	4	0.04	108	0.026	<1	0.28	0.048	0.18	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
TK-51	Rock		18	7	0.01	466	0.018	<1	0.14	0.052	0.06	<0.1	<0.01	0.8	<0.1	<0.05	<1	0.5	<0.2
TK-52	Rock		14	6	0.02	65	0.017	<1	0.21	0.067	0.12	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2

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

Project: SILVER FOX
Report Date: July 25, 2016

QUALITY CONTROL REPORT VAN16001177.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
TK-30	Rock	1.14	0.3	42.1	12.2	13	<0.1	1.7	1.8	392	0.60	0.8	1.3	2.1	10	<0.1	0.1	<0.1	<2	0.59	0.008
REP TK-30	QC		0.3	41.3	12.1	13	<0.1	1.7	1.8	394	0.60	0.7	<0.5	2.0	9	<0.1	0.1	<0.1	<2	0.58	0.009
Reference Materials																					
STD DS10	Standard		14.4	156.6	158.0	370	1.9	78.5	13.7	891	2.77	49.1	93.8	8.1	68	3.0	9.6	13.4	43	1.08	0.081
STD DS10	Standard		15.0	152.5	151.6	383	1.8	75.6	13.1	884	2.80	47.9	152.0	7.9	68	3.0	9.4	12.9	43	1.09	0.081
STD OXC129	Standard		1.3	29.1	7.3	45	<0.1	83.3	22.5	420	3.02	0.7	200.4	2.0	186	<0.1	<0.1	<0.1	51	0.66	0.112
STD OXC129	Standard		1.3	26.5	6.5	40	<0.1	76.1	19.8	429	3.06	<0.5	192.4	1.9	176	<0.1	<0.1	<0.1	51	0.68	0.104
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
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
Prep Wash																					
ROCK-VAN	Prep Blank		0.9	2.7	1.4	31	<0.1	1.8	4.4	537	1.90	1.1	<0.5	2.0	19	<0.1	<0.1	<0.1	27	0.67	0.041
ROCK-VAN	Prep Blank		1.0	4.4	1.4	32	<0.1	1.7	4.3	540	1.95	1.4	<0.5	2.2	22	<0.1	<0.1	<0.1	27	0.67	0.042

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Bureau Veritas Commodities Canada 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: SILVER FOX
Report Date: July 25, 2016

QUALITY CONTROL REPORT VAN16001177.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
TK-30	Rock	14	3	0.11	91	<0.001	<1	0.10	0.002	0.07	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
REP TK-30	QC	15	2	0.11	90	<0.001	<1	0.10	0.002	0.07	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	18	54	0.79	377	0.081	9	1.07	0.072	0.34	3.3	0.28	3.1	5.4	0.28	5	2.3	5.0
STD DS10	Standard	18	55	0.80	380	0.082	8	1.08	0.072	0.35	3.4	0.29	3.4	5.3	0.28	5	2.6	5.3
STD OXC129	Standard	14	52	1.55	54	0.406	2	1.52	0.596	0.37	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	48	1.56	53	0.392	2	1.58	0.608	0.37	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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	<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																		
ROCK-VAN	Prep Blank	6	6	0.57	61	0.072	2	0.93	0.090	0.08	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	6	0.56	73	0.079	2	0.98	0.113	0.10	0.1	<0.01	3.5	<0.1	<0.05	4	<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: July 13, 2016
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001178.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 29

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	29	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	29	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

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

Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001178.1

Method		WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
TK16-53	Rock	1.65	0.2	9.8	8.2	19	<0.1	2.8	1.4	171	0.88	0.9	1.2	6.3	6	<0.1	0.2	0.2	4	0.07	0.006
TK16-54	Rock	0.90	0.2	48.0	6.9	6	<0.1	1.6	0.6	389	0.59	0.8	<0.5	6.3	17	<0.1	0.2	0.2	2	0.44	0.010
TK16-55	Rock	1.33	162.9	16.3	10.9	30	<0.1	4.7	2.3	511	0.98	0.8	<0.5	8.5	16	0.3	<0.1	0.4	3	0.38	0.010
TK16-56	Rock	0.93	2.3	56.9	288.4	32	<0.1	3.8	2.1	571	0.36	<0.5	<0.5	7.9	30	0.2	0.2	0.1	2	0.72	0.009
TK16-57	Rock	1.25	1.3	88.7	39.7	78	0.1	7.2	3.8	215	0.68	1.0	0.7	8.1	8	<0.1	0.1	0.8	4	0.08	0.033
TK16-58	Rock	1.01	0.2	26.5	8.7	101	<0.1	6.6	4.2	181	0.87	<0.5	<0.5	7.2	16	0.2	<0.1	<0.1	3	0.39	0.008
TK16-59	Rock	0.67	0.2	9.5	9.4	191	<0.1	23.0	22.4	1354	2.21	0.8	<0.5	7.1	102	0.2	0.1	0.3	8	2.51	0.029
TK16-60	Rock	1.08	0.2	42.4	24.8	154	<0.1	14.9	10.7	319	1.61	0.7	2.1	10.6	26	0.2	<0.1	0.5	3	0.56	0.010
TK16-61	Rock	1.08	0.3	22.1	31.3	98	<0.1	6.7	5.4	257	0.99	<0.5	1.4	8.6	28	0.2	<0.1	0.5	3	0.74	0.016
TK16-62	Rock	0.71	0.4	19.6	46.4	102	0.2	6.9	7.6	434	1.05	0.6	0.6	10.4	47	0.2	0.1	1.7	4	1.31	0.010
TK16-63	Rock	0.79	<0.1	44.3	26.7	96	<0.1	10.3	6.4	229	1.03	0.6	0.6	12.7	9	0.2	<0.1	0.1	4	0.14	0.010
TK16-64	Rock	0.67	0.2	1.3	13.8	207	<0.1	16.4	17.0	796	2.35	<0.5	0.8	11.6	78	0.3	<0.1	0.4	7	2.48	0.021
TK16-65	Rock	0.86	0.1	7.8	10.7	117	<0.1	11.9	8.6	284	1.22	<0.5	1.0	11.1	12	0.2	<0.1	0.2	3	0.29	0.013
TK16-66	Rock	1.08	0.1	1.1	3.4	29	<0.1	5.6	2.4	47	0.40	<0.5	<0.5	13.2	4	<0.1	<0.1	<0.1	3	0.03	0.011
TK16-67	Rock	0.98	0.1	1.6	23.0	187	<0.1	13.4	11.5	891	2.68	<0.5	0.5	8.2	90	0.4	<0.1	0.5	7	3.45	0.010
TK16-68	Rock	1.04	0.1	81.1	9.6	132	<0.1	13.4	9.9	463	1.83	<0.5	0.6	9.2	48	0.5	<0.1	<0.1	5	2.01	0.015
TK16-69	Rock	0.77	0.1	1.8	14.6	121	<0.1	16.7	6.6	142	1.14	1.1	0.7	9.5	9	0.5	<0.1	0.5	4	0.29	0.010
TK16-70	Rock	0.90	0.1	8.0	5.7	118	<0.1	8.9	5.0	227	1.08	0.5	0.5	7.0	23	0.4	<0.1	<0.1	3	0.93	0.014
TK16-71	Rock	0.85	0.1	22.6	7.7	99	<0.1	4.9	2.5	275	0.48	<0.5	<0.5	7.3	29	0.5	<0.1	0.1	<2	1.19	0.012
TK16-72	Rock	0.86	0.2	34.4	6.2	50	<0.1	6.0	4.7	343	0.66	<0.5	0.6	6.1	41	0.1	<0.1	<0.1	<2	1.65	0.017
TK16-73	Rock	0.91	0.1	3.0	3.9	56	<0.1	6.4	5.1	188	0.85	<0.5	<0.5	8.1	20	0.1	<0.1	0.1	2	0.80	0.008
TK16-74	Rock	1.32	0.2	96.7	11.5	158	0.1	6.8	4.0	369	1.25	2.0	1.8	9.0	77	0.8	0.2	2.6	4	2.80	0.363
TK16-75	Rock	1.08	0.2	13.0	7.3	68	<0.1	8.7	5.1	1310	1.20	<0.5	<0.5	8.8	45	0.2	<0.1	<0.1	4	1.63	0.012
TK16-76	Rock	0.97	0.2	6.5	5.3	59	<0.1	16.5	12.4	2209	1.67	<0.5	1.8	7.7	49	0.3	<0.1	0.1	4	3.31	0.012
TK16-77	Rock	1.43	0.3	34.0	4.2	30	<0.1	13.7	6.3	1335	0.89	<0.5	2.8	8.5	33	0.2	<0.1	<0.1	2	2.44	0.011
TK16-78	Rock	0.65	0.2	13.5	6.7	23	<0.1	7.7	4.7	2695	0.84	<0.5	1.5	6.6	67	0.5	<0.1	<0.1	<2	5.32	0.012
TK16-79	Rock	1.76	0.1	14.7	3.1	74	<0.1	13.6	13.6	1738	2.06	<0.5	0.7	2.3	23	0.2	<0.1	0.2	4	2.06	0.007
TK16-80	Rock	1.36	0.3	5.1	5.9	112	<0.1	12.7	11.1	630	1.70	<0.5	0.8	6.8	44	0.4	<0.1	<0.1	4	1.82	0.011
TK16-81	Rock	1.30	0.2	36.0	12.1	240	<0.1	23.5	22.7	1832	3.51	<0.5	<0.5	11.9	108	0.6	<0.1	0.1	7	4.23	0.008

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PHONE (604) 253-3158

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

Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001178.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	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	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
TK16-53	Rock		12	7	0.04	88	0.026	1	0.28	0.064	0.12	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
TK16-54	Rock		12	7	0.01	818	0.026	<1	0.15	0.056	0.08	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK16-55	Rock		17	7	0.10	71	0.016	<1	0.34	0.052	0.17	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
TK16-56	Rock		14	7	0.11	79	0.026	<1	0.33	0.057	0.15	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
TK16-57	Rock		13	7	0.29	56	0.021	<1	0.64	0.060	0.22	<0.1	<0.01	1.1	0.1	<0.05	2	<0.5	<0.2
TK16-58	Rock		20	9	0.33	30	0.003	<1	0.63	0.073	0.13	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
TK16-59	Rock		22	10	1.12	36	0.014	1	1.43	0.035	0.25	<0.1	<0.01	2.4	0.1	<0.05	4	<0.5	<0.2
TK16-60	Rock		36	9	0.63	41	0.011	2	1.01	0.025	0.17	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
TK16-61	Rock		18	8	0.41	26	0.005	1	0.67	0.035	0.13	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
TK16-62	Rock		30	9	0.48	42	0.021	1	0.80	0.029	0.27	<0.1	<0.01	1.4	0.1	<0.05	2	<0.5	<0.2
TK16-63	Rock		37	8	0.44	54	0.011	1	0.79	0.024	0.24	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
TK16-64	Rock		37	10	0.94	50	0.016	1	1.35	0.018	0.18	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
TK16-65	Rock		42	8	0.42	50	0.015	1	0.76	0.023	0.16	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
TK16-66	Rock		17	4	0.09	59	0.016	2	0.50	0.019	0.32	<0.1	<0.01	0.9	0.1	<0.05	1	<0.5	<0.2
TK16-67	Rock		23	8	1.11	30	0.022	<1	1.50	0.017	0.17	<0.1	<0.01	2.3	0.1	<0.05	4	<0.5	<0.2
TK16-68	Rock		32	7	0.63	46	0.032	<1	1.01	0.015	0.27	<0.1	<0.01	1.4	0.2	<0.05	2	<0.5	<0.2
TK16-69	Rock		37	6	0.31	52	0.020	1	0.75	0.018	0.26	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
TK16-70	Rock		32	5	0.30	34	0.009	<1	0.66	0.022	0.18	<0.1	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
TK16-71	Rock		27	4	0.14	39	0.003	1	0.43	0.018	0.20	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
TK16-72	Rock		26	3	0.22	49	0.002	1	0.54	0.008	0.23	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
TK16-73	Rock		21	5	0.12	47	0.002	1	0.47	0.009	0.25	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
TK16-74	Rock		41	6	0.13	62	0.007	1	0.60	0.007	0.32	<0.1	0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
TK16-75	Rock		22	8	0.36	92	0.002	<1	0.73	0.027	0.13	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
TK16-76	Rock		14	6	0.45	31	0.002	<1	0.91	0.005	0.16	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
TK16-77	Rock		21	5	0.17	39	0.001	<1	0.63	0.008	0.19	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
TK16-78	Rock		19	4	0.14	54	0.001	<1	0.48	0.007	0.16	<0.1	<0.01	1.3	<0.1	<0.05	1	<0.5	<0.2
TK16-79	Rock		12	4	0.53	14	0.002	<1	1.02	0.002	0.05	<0.1	<0.01	1.7	<0.1	<0.05	2	<0.5	<0.2
TK16-80	Rock		20	7	0.65	45	0.002	1	1.04	0.009	0.13	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
TK16-81	Rock		33	11	1.32	35	0.003	<1	2.08	0.006	0.13	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2

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Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001178.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
TK16-63	Rock	0.79	<0.1	44.3	26.7	96	<0.1	10.3	6.4	229	1.03	0.6	0.6	12.7	9	0.2	<0.1	0.1	4	0.14	0.010
REP TK16-63	QC		<0.1	43.0	26.6	91	<0.1	10.4	6.3	229	0.99	<0.5	0.6	12.5	9	0.2	<0.1	0.1	4	0.14	0.011
Core Reject Duplicates																					
TK16-58	Rock	1.01	0.2	26.5	8.7	101	<0.1	6.6	4.2	181	0.87	<0.5	<0.5	7.2	16	0.2	<0.1	<0.1	3	0.39	0.008
DUP TK16-58	QC		0.2	26.9	7.8	100	<0.1	6.7	4.5	180	0.89	<0.5	<0.5	7.5	16	0.1	<0.1	<0.1	3	0.39	0.009
Reference Materials																					
STD DS10	Standard		15.0	152.5	151.6	383	1.8	75.6	13.1	884	2.80	47.9	152.0	7.9	68	3.0	9.4	12.9	43	1.09	0.081
STD DS10	Standard		14.6	149.8	148.0	361	1.9	75.9	14.0	935	2.73	46.1	66.2	8.1	66	2.8	7.9	12.1	43	1.09	0.072
STD OXC129	Standard		1.3	26.5	6.5	40	<0.1	76.1	19.8	429	3.06	<0.5	192.4	1.9	176	<0.1	<0.1	<0.1	51	0.68	0.104
STD OXC129	Standard		1.2	28.2	6.8	46	<0.1	77.9	22.0	423	3.06	0.6	192.5	2.1	181	<0.1	<0.1	<0.1	50	0.66	0.100
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
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
Prep Wash																					
ROCK-VAN	Prep Blank		1.0	3.6	1.9	31	<0.1	1.6	4.1	479	1.85	1.0	<0.5	2.3	21	<0.1	<0.1	<0.1	22	0.56	0.044
ROCK-VAN	Prep Blank		1.0	4.0	1.2	28	<0.1	1.6	3.9	469	1.88	1.1	<0.5	2.4	21	<0.1	<0.1	<0.1	23	0.55	0.043

BUREAU VERITAS MINERAL LABORATORIES Canada

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PHONE (604) 253-3158

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

Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001178.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
TK16-63	Rock	37	8	0.44	54	0.011	1	0.79	0.024	0.24	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
REP TK16-63	QC	36	8	0.44	54	0.012	1	0.80	0.026	0.25	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
Core Reject Duplicates																		
TK16-58	Rock	20	9	0.33	30	0.003	<1	0.63	0.073	0.13	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
DUP TK16-58	QC	21	9	0.33	31	0.003	<1	0.66	0.082	0.13	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	18	55	0.80	380	0.082	8	1.08	0.072	0.35	3.4	0.29	3.4	5.3	0.28	5	2.6	5.3
STD DS10	Standard	17	54	0.79	333	0.081	8	1.07	0.071	0.34	3.2	0.29	3.1	5.2	0.28	5	1.8	4.9
STD OXC129	Standard	13	48	1.56	53	0.392	2	1.58	0.608	0.37	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	14	53	1.55	53	0.396	<1	1.57	0.589	0.36	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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	<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																		
ROCK-VAN	Prep Blank	6	4	0.46	58	0.083	2	0.95	0.118	0.10	0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	5	0.44	61	0.077	2	0.91	0.113	0.09	0.2	<0.01	3.4	<0.1	<0.05	4	0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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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: July 13, 2016
Report Date: July 26, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001179.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 26

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	26	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	26	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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.

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

Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001179.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
TK16-82	Rock	1.23	<0.1	72.7	31.6	84	<0.1	14.5	7.8	383	1.24	<0.5	1.4	8.1	16	0.5	<0.1	0.4	4	0.62	0.019
TK16-83	Rock	0.73	<0.1	2.1	9.6	150	<0.1	16.3	10.0	481	1.88	<0.5	<0.5	8.9	66	0.5	<0.1	0.1	4	2.61	0.009
TK16-84	Rock	1.36	<0.1	11.9	10.2	130	<0.1	11.4	10.5	470	1.82	<0.5	<0.5	6.3	31	0.5	<0.1	0.2	4	1.28	0.008
TK16-85	Rock	1.32	<0.1	12.5	8.0	113	<0.1	13.4	7.9	637	1.59	<0.5	<0.5	9.1	65	0.8	<0.1	0.1	2	2.69	0.013
TK16-86	Rock	1.23	<0.1	68.9	17.0	138	<0.1	14.7	8.7	359	1.49	<0.5	<0.5	10.7	27	0.4	<0.1	0.3	4	1.38	0.010
TK16-87	Rock	1.03	<0.1	9.2	55.1	118	<0.1	7.3	6.1	444	1.26	<0.5	<0.5	3.9	45	0.4	<0.1	0.4	<2	2.05	0.010
TK16-88	Rock	0.98	<0.1	38.7	18.1	95	<0.1	13.0	7.0	375	1.25	0.5	<0.5	5.9	48	0.3	<0.1	0.2	2	2.16	0.010
TK16-89	Rock	1.31	<0.1	4.1	8.3	38	<0.1	5.0	2.3	194	0.47	<0.5	0.6	9.1	22	0.3	<0.1	<0.1	2	0.93	0.019
TK16-90	Rock	0.95	0.2	54.5	8.8	93	<0.1	11.6	12.3	1698	2.19	<0.5	<0.5	6.1	58	0.6	<0.1	<0.1	4	2.86	0.008
TK16-91	Rock	0.72	<0.1	21.8	4.6	28	<0.1	5.3	2.9	441	0.55	<0.5	<0.5	7.7	5	0.2	<0.1	<0.1	3	0.15	0.011
TK16-92	Rock	0.73	1.4	9.2	9.4	50	<0.1	7.7	6.4	449	0.94	<0.5	<0.5	7.2	31	0.5	<0.1	0.7	3	1.34	0.009
TK16-93	Rock	1.42	0.2	2.6	3.2	63	<0.1	14.3	7.1	271	0.99	<0.5	<0.5	10.1	9	0.2	<0.1	<0.1	3	0.31	0.017
TK16-94	Rock	0.64	<0.1	1.4	6.4	178	<0.1	18.2	16.0	905	2.83	<0.5	<0.5	7.7	77	0.6	<0.1	0.2	6	3.34	0.012
TK16-95	Rock	1.25	<0.1	41.8	4.0	50	<0.1	9.8	4.9	405	0.98	0.6	0.5	7.4	15	0.2	<0.1	<0.1	3	0.48	0.010
TK16-96	Rock	0.96	0.2	37.5	8.6	44	<0.1	4.4	3.8	189	0.96	<0.5	<0.5	8.9	3	<0.1	<0.1	0.4	3	0.05	0.013
TK16-97	Rock	1.32	<0.1	118.7	47.7	121	0.1	15.8	9.4	413	1.71	<0.5	<0.5	11.3	15	0.7	<0.1	1.2	4	0.30	0.010
TK16-98	Rock	1.26	<0.1	2.8	13.7	8	<0.1	1.8	0.6	138	0.18	0.8	3.0	7.9	13	0.4	<0.1	0.3	<2	0.24	0.014
TK16-99	Rock	0.78	<0.1	2.0	5.8	51	<0.1	10.1	7.1	473	1.22	<0.5	3.0	7.0	68	0.4	<0.1	<0.1	5	1.50	0.038
TK16-100	Rock	0.99	<0.1	1.8	3.9	40	<0.1	8.0	5.1	222	1.01	<0.5	2.2	13.7	19	0.1	<0.1	<0.1	3	0.77	0.021
TK16-101	Rock	1.15	<0.1	6.0	4.5	32	<0.1	6.6	4.8	530	0.94	<0.5	1.4	2.3	4	0.3	<0.1	<0.1	2	0.36	0.008
TK16-102	Rock	0.97	<0.1	5.1	3.5	37	<0.1	10.9	4.5	95	0.92	<0.5	<0.5	9.1	2	<0.1	<0.1	0.3	4	0.03	0.014
TK16-103	Rock	1.08	<0.1	1.9	2.7	13	<0.1	4.7	2.3	166	0.62	<0.5	2.1	10.6	2	<0.1	<0.1	0.1	3	0.03	0.012
TK16-104	Rock	1.01	<0.1	0.5	5.2	85	<0.1	18.6	9.2	674	1.51	<0.5	2.5	5.9	33	0.4	<0.1	<0.1	6	2.24	0.065
TK16-105	Rock	0.67	<0.1	1.8	9.4	81	<0.1	15.3	8.6	957	1.34	<0.5	1.5	6.5	77	0.8	<0.1	<0.1	6	4.40	0.015
TK16-106	Rock	1.54	<0.1	31.1	3.4	24	<0.1	3.4	2.6	365	0.39	0.6	1.8	8.7	6	0.2	<0.1	0.3	<2	0.40	0.009
TK16-107	Rock	1.26	<0.1	1.8	1.9	33	<0.1	11.2	4.3	44	0.48	<0.5	2.9	5.9	3	<0.1	<0.1	<0.1	4	0.03	0.010

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Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001179.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	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	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
TK16-82	Rock		27	5	0.36	48	0.003	1	0.94	0.007	0.25	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
TK16-83	Rock		26	6	0.54	31	0.002	<1	1.14	0.005	0.17	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
TK16-84	Rock		20	5	0.57	40	0.003	<1	1.14	0.006	0.16	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
TK16-85	Rock		24	4	0.50	56	0.002	2	0.93	0.004	0.17	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
TK16-86	Rock		27	6	0.46	53	0.003	<1	1.00	0.005	0.21	0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
TK16-87	Rock		16	2	0.45	40	0.002	<1	0.85	0.004	0.15	<0.1	<0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
TK16-88	Rock		19	3	0.38	32	0.003	<1	0.84	0.005	0.19	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
TK16-89	Rock		33	3	0.13	44	0.002	1	0.52	0.006	0.22	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
TK16-90	Rock		32	6	0.79	51	0.003	<1	1.33	0.004	0.16	0.1	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
TK16-91	Rock		34	3	0.15	75	0.002	<1	0.51	0.005	0.20	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
TK16-92	Rock		29	4	0.34	41	0.003	<1	0.77	0.006	0.22	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
TK16-93	Rock		87	5	0.31	52	0.002	1	0.79	0.005	0.22	0.4	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
TK16-94	Rock		23	7	0.94	41	0.004	1	1.70	0.005	0.20	0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
TK16-95	Rock		30	4	0.26	65	0.002	1	0.70	0.005	0.21	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
TK16-96	Rock		25	4	0.28	47	0.002	<1	0.77	0.006	0.23	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
TK16-97	Rock		66	7	0.52	82	0.003	<1	1.16	0.008	0.25	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
TK16-98	Rock		27	2	0.03	86	0.002	<1	0.37	0.005	0.23	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK16-99	Rock		31	4	0.37	132	0.003	1	0.96	0.006	0.28	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
TK16-100	Rock		36	4	0.17	55	0.004	<1	0.66	0.006	0.20	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
TK16-101	Rock		19	2	0.16	52	0.002	<1	0.51	0.004	0.14	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK16-102	Rock		12	5	0.13	43	0.002	<1	0.56	0.007	0.22	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
TK16-103	Rock		11	4	0.05	65	0.002	2	0.52	0.009	0.29	<0.1	<0.01	1.2	<0.1	<0.05	1	<0.5	<0.2
TK16-104	Rock		17	4	0.46	48	0.002	1	0.90	0.007	0.19	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
TK16-105	Rock		25	5	0.49	37	0.003	<1	1.07	0.011	0.28	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
TK16-106	Rock		29	2	0.11	44	0.001	<1	0.35	0.007	0.18	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK16-107	Rock		5	4	0.21	31	0.002	<1	0.68	0.010	0.28	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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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: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001179.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
TK16-83	Rock	0.73	<0.1	2.1	9.6	150	<0.1	16.3	10.0	481	1.88	<0.5	<0.5	8.9	66	0.5	<0.1	0.1	4	2.61	0.009
REP TK16-83	QC		<0.1	2.1	9.8	154	<0.1	16.6	9.8	502	1.92	<0.5	<0.5	9.0	66	0.6	<0.1	0.1	3	2.74	0.009
Core Reject Duplicates																					
TK16-96	Rock	0.96	0.2	37.5	8.6	44	<0.1	4.4	3.8	189	0.96	<0.5	<0.5	8.9	3	<0.1	<0.1	0.4	3	0.05	0.013
DUP TK16-96	QC		0.2	36.9	8.6	47	<0.1	4.3	3.7	184	0.97	<0.5	<0.5	9.0	2	<0.1	<0.1	0.4	<2	0.03	0.013
Reference Materials																					
STD DS10	Standard		15.8	151.8	143.8	385	1.8	74.5	12.6	890	2.84	46.7	77.0	7.6	69	2.7	8.2	11.3	46	1.10	0.076
STD DS10	Standard		16.0	161.1	158.5	374	1.9	77.5	13.6	896	2.81	46.4	132.1	8.3	69	3.0	9.0	13.2	48	1.04	0.076
STD OXC129	Standard		1.3	29.2	6.5	42	<0.1	84.9	22.2	434	3.14	0.7	207.2	1.9	201	<0.1	<0.1	<0.1	55	0.74	0.110
STD OXC129	Standard		1.3	31.3	6.9	44	<0.1	84.8	21.7	444	3.29	<0.5	201.4	2.1	198	<0.1	<0.1	<0.1	59	0.74	0.101
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
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
Prep Wash																					
ROCK-VAN	Prep Blank		0.9	3.6	1.2	31	<0.1	0.8	4.1	528	1.91	1.2	<0.5	2.4	23	<0.1	<0.1	<0.1	25	0.57	0.040
ROCK-VAN	Prep Blank		1.1	3.3	1.2	30	<0.1	0.8	3.7	492	1.75	1.1	1.2	2.3	20	<0.1	<0.1	<0.1	25	0.55	0.038

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

Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001179.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
TK16-83	Rock	26	6	0.54	31	0.002	<1	1.14	0.005	0.17	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
REP TK16-83	QC	26	6	0.54	31	0.002	1	1.11	0.005	0.16	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
Core Reject Duplicates																		
TK16-96	Rock	25	4	0.28	47	0.002	<1	0.77	0.006	0.23	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
DUP TK16-96	QC	25	3	0.28	36	0.002	<1	0.64	0.004	0.16	<0.1	<0.01	0.5	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	18	56	0.79	364	0.088	6	1.12	0.074	0.34	3.1	0.29	3.3	5.1	0.29	5	2.4	5.2
STD DS10	Standard	19	61	0.79	366	0.089	8	1.05	0.068	0.32	3.3	0.28	3.3	5.1	0.29	5	2.1	4.8
STD OXC129	Standard	13	56	1.55	53	0.432	<1	1.65	0.609	0.36	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	14	59	1.56	52	0.439	1	1.66	0.626	0.35	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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	<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																		
ROCK-VAN	Prep Blank	7	3	0.47	64	0.088	2	0.93	0.092	0.10	0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	2	0.45	52	0.081	2	0.85	0.067	0.07	0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2

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Client: **Kootenay Silver Inc.**
Suite 1820 - 1055 W. Hastings St.
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Submitted By: Email Distribution List - Soil & Rock
Receiving Lab: Canada-Vancouver
Received: July 13, 2016
Report Date: July 26, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001180.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 22

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	22	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	22	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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.

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

Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001180.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
TK16-108	Rock	1.39	0.6	72.6	3.3	107	<0.1	350.1	66.9	920	7.71	1.3	<0.5	1.5	33	<0.1	0.1	0.1	167	0.68	0.127
TK16-109	Rock	1.70	<0.1	4.0	3.8	34	<0.1	9.0	7.4	172	1.40	0.8	<0.5	9.3	17	<0.1	0.2	<0.1	9	0.14	0.021
TK16-110	Rock	0.77	<0.1	15.6	5.4	28	<0.1	8.0	4.6	209	1.23	0.5	2.4	6.9	19	<0.1	0.2	0.2	7	0.07	0.012
TK16-111	Rock	0.96	0.2	21.3	5.4	18	<0.1	6.5	3.4	454	1.58	0.9	5.5	9.6	12	<0.1	0.4	0.4	7	0.06	0.017
TK16-112	Rock	0.88	1.9	678.5	47.5	50	2.6	8.5	7.1	344	0.55	<0.5	4.4	9.4	13	0.3	0.1	2.5	5	0.13	0.010
TK16-113	Rock	1.58	0.2	5.5	5.9	55	<0.1	5.7	5.3	1552	0.76	<0.5	<0.5	5.7	23	0.2	<0.1	0.1	4	0.79	0.025
TK16-115	Rock	1.92	0.2	8.2	6.4	13	<0.1	4.2	2.3	549	0.89	<0.5	<0.5	6.4	18	<0.1	0.1	0.3	3	0.93	0.010
TK16-116	Rock	1.35	0.2	11.8	6.0	14	<0.1	4.7	2.6	103	1.04	<0.5	<0.5	8.3	3	<0.1	<0.1	0.4	3	0.02	0.012
TK16-117	Rock	1.19	<0.1	5.0	4.0	17	<0.1	2.5	1.4	135	0.32	<0.5	<0.5	8.6	3	<0.1	<0.1	<0.1	<2	0.02	0.008
TK16-118	Rock	0.87	0.2	13.2	8.4	13	<0.1	3.5	2.1	271	0.43	<0.5	<0.5	8.0	26	<0.1	<0.1	0.5	<2	0.83	0.013
TK16-119	Rock	1.30	0.8	11.7	4.5	18	<0.1	7.7	5.2	360	1.07	1.5	<0.5	6.5	11	<0.1	0.3	0.2	10	0.66	0.019
TK16-120	Rock	0.95	0.2	4.9	9.5	38	<0.1	7.5	4.7	1096	0.76	0.6	<0.5	5.6	86	0.2	0.1	0.1	3	3.07	0.010
TK16-121	Rock	1.16	0.5	2.3	9.7	37	<0.1	5.8	5.0	1757	0.63	<0.5	<0.5	5.2	117	0.2	0.1	0.3	<2	5.32	0.009
TK16-122	Rock	1.41	0.3	4.5	10.3	31	<0.1	8.2	4.8	1496	0.66	<0.5	<0.5	6.7	102	0.2	0.2	0.1	<2	3.84	0.008
TK16-123	Rock	0.96	0.1	3.9	8.3	15	<0.1	2.3	1.5	648	0.57	<0.5	<0.5	6.8	56	<0.1	0.2	<0.1	<2	1.90	0.016
TK16-124	Rock	1.42	0.3	12.9	6.0	16	<0.1	3.0	1.4	162	0.51	<0.5	<0.5	9.6	13	<0.1	0.3	0.4	<2	0.31	0.012
TK16-125	Rock	1.30	0.2	2.3	6.8	40	<0.1	8.8	6.2	490	0.74	0.5	<0.5	6.6	18	<0.1	<0.1	0.1	3	0.97	0.012
TK16-126	Rock	1.65	0.2	2.8	6.0	48	<0.1	11.7	6.6	562	0.73	0.5	0.7	5.6	6	<0.1	<0.1	0.1	4	0.23	0.009
TK16-127	Rock	1.00	<0.1	6.0	7.7	49	<0.1	11.1	6.9	195	1.05	<0.5	<0.5	7.3	4	<0.1	<0.1	0.1	4	0.06	0.020
TK16-128	Rock	1.22	0.1	8.1	5.5	42	<0.1	10.2	5.9	124	1.02	1.8	<0.5	6.6	18	<0.1	<0.1	0.2	5	0.61	0.267
TK16-129	Rock	1.40	0.1	3.1	4.0	22	<0.1	4.2	2.8	215	0.58	<0.5	<0.5	4.2	2	<0.1	<0.1	0.1	<2	<0.01	0.006
TK16-130	Rock	1.18	0.1	9.8	6.5	17	<0.1	3.7	2.4	171	0.74	<0.5	<0.5	8.4	4	<0.1	<0.1	0.2	3	0.05	0.008

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

Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001180.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	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	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
TK16-108	Rock		10	471	3.32	90	0.214	<1	2.43	0.051	0.39	<0.1	<0.01	2.9	0.3	<0.05	12	<0.5	<0.2
TK16-109	Rock		28	9	0.36	49	0.055	<1	0.68	0.044	0.20	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
TK16-110	Rock		19	8	0.15	109	0.020	<1	0.43	0.042	0.22	<0.1	<0.01	1.4	0.1	<0.05	1	<0.5	<0.2
TK16-111	Rock		23	8	0.06	48	0.013	<1	0.40	0.047	0.14	<0.1	<0.01	2.0	<0.1	<0.05	1	<0.5	<0.2
TK16-112	Rock		21	8	0.27	78	0.028	<1	0.51	0.020	0.25	<0.1	<0.01	1.0	0.1	<0.05	1	<0.5	<0.2
TK16-113	Rock		15	6	0.44	94	0.012	<1	0.62	0.043	0.18	<0.1	<0.01	1.0	0.1	<0.05	2	<0.5	<0.2
TK16-115	Rock		18	5	0.08	84	0.003	<1	0.32	0.025	0.18	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK16-116	Rock		29	6	0.06	42	0.003	<1	0.46	0.027	0.20	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
TK16-117	Rock		20	4	0.06	47	0.002	<1	0.29	0.008	0.18	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK16-118	Rock		18	4	0.09	46	0.003	<1	0.40	0.005	0.25	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK16-119	Rock		23	8	0.28	52	0.066	1	0.58	0.027	0.20	0.3	<0.01	2.2	<0.1	<0.05	2	<0.5	<0.2
TK16-120	Rock		21	4	0.25	58	0.003	<1	0.50	0.004	0.21	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
TK16-121	Rock		19	3	0.25	69	0.002	<1	0.41	0.004	0.16	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK16-122	Rock		25	4	0.21	81	0.002	<1	0.45	0.005	0.20	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK16-123	Rock		40	3	0.05	69	0.006	<1	0.31	0.005	0.20	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK16-124	Rock		30	5	0.03	60	0.004	<1	0.40	0.006	0.28	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK16-125	Rock		17	5	0.29	69	0.003	<1	0.48	0.025	0.15	<0.1	<0.01	0.6	0.1	<0.05	1	<0.5	<0.2
TK16-126	Rock		40	5	0.27	114	0.003	<1	0.55	0.028	0.20	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
TK16-127	Rock		26	7	0.33	40	0.004	<1	0.56	0.030	0.16	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
TK16-128	Rock		38	7	0.28	49	0.007	<1	0.69	0.038	0.22	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
TK16-129	Rock		25	4	0.16	33	0.003	<1	0.37	0.035	0.10	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK16-130	Rock		21	6	0.10	57	0.005	<1	0.38	0.048	0.19	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2

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Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001180.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
TK16-122	Rock	1.41	0.3	4.5	10.3	31	<0.1	8.2	4.8	1496	0.66	<0.5	<0.5	6.7	102	0.2	0.2	0.1	<2	3.84	0.008
REP TK16-122	QC		0.3	4.8	10.5	32	<0.1	7.6	4.7	1490	0.66	<0.5	<0.5	6.6	102	0.2	0.1	<0.1	<2	3.93	0.008
Reference Materials																					
STD DS10	Standard		14.7	165.4	156.1	369	1.8	76.0	13.1	910	2.73	45.6	80.7	8.0	69	3.0	8.1	12.5	43	1.10	0.078
STD OXC129	Standard		1.4	30.0	6.8	45	<0.1	83.0	21.4	431	3.11	<0.5	196.2	2.0	200	<0.1	<0.1	<0.1	51	0.66	0.103
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
Prep Wash																					
ROCK-VAN	Prep Blank		1.2	3.0	1.1	32	<0.1	1.4	3.9	513	1.83	1.0	1.3	2.4	20	<0.1	<0.1	<0.1	21	0.55	0.040
ROCK-VAN	Prep Blank		1.7	2.7	1.1	31	<0.1	1.6	4.1	490	1.83	1.3	0.6	2.4	23	<0.1	<0.1	<0.1	23	0.59	0.044

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PHONE (604) 253-3158

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

Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001180.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
TK16-122	Rock	25	4	0.21	81	0.002	<1	0.45	0.005	0.20	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
REP TK16-122	QC	24	4	0.21	78	0.002	<1	0.45	0.005	0.20	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	18	57	0.80	363	0.083	7	1.07	0.070	0.34	3.0	0.30	3.0	5.4	0.29	4	2.2	4.9
STD OXC129	Standard	14	55	1.59	52	0.415	<1	1.56	0.599	0.36	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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																		
ROCK-VAN	Prep Blank	6	4	0.49	55	0.069	2	0.87	0.071	0.07	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	4	0.46	56	0.081	2	0.87	0.074	0.08	0.1	<0.01	2.4	<0.1	<0.05	4	<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: July 13, 2016
Report Date: July 26, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001181.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 16

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	16	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	16	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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.

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

Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001181.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
TK16-131	Rock	1.98	0.1	5.1	6.9	12	<0.1	2.1	1.5	92	0.41	<0.5	<0.5	10.7	2	<0.1	<0.1	<0.1	<2	0.02	0.011
TK16-132	Rock	1.32	<0.1	11.2	7.5	16	<0.1	2.8	2.5	228	0.93	0.6	<0.5	14.3	15	<0.1	<0.1	0.1	3	0.52	0.008
TK16-133	Rock	1.12	<0.1	11.6	5.4	12	<0.1	1.7	1.4	117	0.27	<0.5	<0.5	5.0	3	<0.1	<0.1	0.2	<2	0.02	0.007
TK16-134	Rock	1.05	<0.1	18.1	6.5	10	<0.1	3.3	1.9	48	0.91	<0.5	<0.5	10.2	4	<0.1	<0.1	0.4	3	0.03	0.014
TK16-135	Rock	1.23	<0.1	23.8	6.0	11	<0.1	3.2	2.2	111	0.75	<0.5	<0.5	8.0	2	<0.1	<0.1	0.4	2	<0.01	0.005
BKR16-1	Rock	1.31	0.3	20.9	13.8	21	<0.1	4.9	6.1	642	1.00	<0.5	2.2	6.8	24	0.2	0.2	0.3	4	0.42	0.013
BKR16-2	Rock	1.12	<0.1	5.3	6.6	18	<0.1	4.4	4.9	156	1.04	0.7	<0.5	7.7	27	0.1	0.3	0.1	4	0.29	0.013
BKR16-3	Rock	1.94	0.5	74.7	78.4	17	0.3	4.3	3.5	468	0.82	<0.5	0.6	5.5	32	0.2	0.3	1.0	4	0.56	0.009
BKR16-4	Rock	0.63	0.3	92.8	10.7	73	<0.1	11.6	8.8	550	1.91	<0.5	1.1	9.8	17	0.1	0.4	0.2	7	0.14	0.007
BKR16-5	Rock	1.27	0.2	27.3	9.5	15	<0.1	3.7	2.7	382	1.08	0.9	<0.5	8.8	17	<0.1	0.2	0.4	5	0.23	0.034
BKR16-6	Rock	1.02	<0.1	22.0	5.6	14	<0.1	3.0	2.1	475	1.00	1.0	<0.5	5.4	16	<0.1	0.2	0.2	3	0.23	0.009
BKR16-7	Rock	0.88	<0.1	7.3	13.9	43	<0.1	9.4	6.4	421	1.54	1.1	<0.5	12.0	22	<0.1	0.3	0.2	9	0.17	0.025
BKR16-8	Rock	1.13	<0.1	17.8	9.6	27	<0.1	5.5	4.1	241	1.31	0.8	4.1	8.6	14	<0.1	0.2	0.2	6	0.12	0.014
BKR16-9	Rock	1.60	<0.1	15.3	12.8	27	<0.1	4.7	3.4	606	1.12	<0.5	<0.5	7.9	50	<0.1	0.3	0.3	6	0.91	0.015
BKR16-10	Rock	0.77	0.8	191.6	28.7	37	0.4	5.9	4.8	1606	1.02	0.6	7.1	5.4	76	0.2	0.3	2.1	5	2.02	0.007
BKR16-11	Rock	1.52	0.7	32.9	35.4	13	0.3	3.8	3.3	533	1.12	<0.5	1.0	6.7	45	0.2	0.4	1.2	5	0.86	0.006

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

Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001181.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	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	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
TK16-131	Rock		19	2	0.06	43	0.003	<1	0.21	0.021	0.10	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK16-132	Rock		26	5	0.09	48	0.005	<1	0.27	0.033	0.14	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
TK16-133	Rock		14	1	0.07	42	0.002	<1	0.25	0.024	0.09	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
TK16-134	Rock		23	5	0.04	50	0.004	<1	0.35	0.035	0.16	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK16-135	Rock		22	4	0.05	34	0.004	<1	0.29	0.027	0.11	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
BKR16-1	Rock		30	4	0.09	110	0.011	<1	0.42	0.038	0.23	<0.1	<0.01	0.9	0.1	<0.05	1	<0.5	<0.2
BKR16-2	Rock		31	4	0.07	50	0.014	<1	0.29	0.026	0.18	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
BKR16-3	Rock		25	4	0.09	75	0.017	<1	0.34	0.041	0.18	<0.1	<0.01	0.8	<0.1	0.05	1	<0.5	<0.2
BKR16-4	Rock		36	9	0.44	54	0.030	<1	0.80	0.029	0.14	<0.1	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
BKR16-5	Rock		35	6	0.05	66	0.006	<1	0.32	0.056	0.16	<0.1	<0.01	1.3	<0.1	<0.05	1	<0.5	<0.2
BKR16-6	Rock		20	3	0.03	83	0.004	<1	0.20	0.039	0.09	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
BKR16-7	Rock		48	8	0.23	146	0.018	<1	0.59	0.033	0.29	<0.1	<0.01	1.6	0.1	<0.05	2	<0.5	<0.2
BKR16-8	Rock		40	6	0.12	63	0.009	<1	0.33	0.030	0.15	<0.1	<0.01	1.1	<0.1	<0.05	1	<0.5	<0.2
BKR16-9	Rock		38	6	0.15	88	0.014	<1	0.43	0.040	0.22	<0.1	<0.01	1.3	0.1	<0.05	1	<0.5	<0.2
BKR16-10	Rock		31	5	0.19	38	0.010	<1	0.32	0.031	0.12	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
BKR16-11	Rock		28	5	0.07	70	0.009	1	0.29	0.044	0.15	<0.1	<0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2

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

Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001181.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
BKR16-11	Rock	1.52	0.7	32.9	35.4	13	0.3	3.8	3.3	533	1.12	<0.5	1.0	6.7	45	0.2	0.4	1.2	5	0.86	0.006
REP BKR16-11	QC		0.7	33.4	35.3	13	0.3	3.8	3.5	530	1.11	<0.5	0.6	6.6	44	0.2	0.3	1.2	5	0.86	0.006
Reference Materials																					
STD DS10	Standard		14.6	152.5	140.4	359	1.8	75.4	13.2	885	2.75	45.3	86.2	6.7	61	2.8	8.1	10.6	44	1.08	0.066
STD DS10	Standard		14.6	149.8	148.0	361	1.9	75.9	14.0	935	2.73	46.1	66.2	8.1	66	2.8	7.9	12.1	43	1.09	0.072
STD OXC129	Standard		1.3	26.6	5.8	40	<0.1	74.3	20.4	399	2.95	<0.5	196.2	1.7	174	<0.1	<0.1	<0.1	49	0.65	0.096
STD OXC129	Standard		1.2	28.2	6.8	46	<0.1	77.9	22.0	423	3.06	0.6	192.5	2.1	181	<0.1	<0.1	<0.1	50	0.66	0.100
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
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
Prep Wash																					
ROCK-VAN	Prep Blank		1.0	3.1	1.1	33	<0.1	0.6	3.9	464	1.72	1.2	<0.5	2.5	21	<0.1	<0.1	<0.1	21	0.55	0.037
ROCK-VAN	Prep Blank		1.2	2.9	1.2	33	<0.1	0.7	4.1	480	1.81	1.2	<0.5	2.5	24	<0.1	<0.1	<0.1	23	0.59	0.038

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Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001181.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
BKR16-11	Rock	28	5	0.07	70	0.009	1	0.29	0.044	0.15	<0.1	<0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2
REP BKR16-11	QC	28	5	0.07	72	0.009	<1	0.29	0.043	0.15	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	17	55	0.77	351	0.074	6	1.07	0.073	0.34	3.4	0.28	3.1	5.2	0.29	4	2.6	4.7
STD DS10	Standard	17	54	0.79	333	0.081	8	1.07	0.071	0.34	3.2	0.29	3.1	5.2	0.28	5	1.8	4.9
STD OXC129	Standard	11	49	1.53	47	0.343	<1	1.51	0.590	0.35	0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	14	53	1.55	53	0.396	<1	1.57	0.589	0.36	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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	<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																		
ROCK-VAN	Prep Blank	6	2	0.44	53	0.068	2	0.81	0.064	0.07	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	3	0.44	62	0.080	2	0.88	0.086	0.09	0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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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

Submitted By: Email Distribution List - Soil & Rock
Receiving Lab: Canada-Vancouver
Received: July 18, 2016
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001182.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 24

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	24	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	24	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	24	Warehouse handling / disposition of pulps			VAN
DRRJT	24	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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.

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Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001182.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
TK16-136	Rock	0.75	<0.1	9.3	8.3	61	<0.1	4.6	5.6	1733	1.02	<0.5	<0.5	4.3	53	0.4	<0.1	0.2	4	3.05	0.007
TK16-137	Rock	1.27	<0.1	49.2	5.9	44	0.2	4.0	4.4	1042	0.77	<0.5	<0.5	8.7	29	0.2	<0.1	1.2	3	1.91	0.015
TK16-138	Rock	1.61	0.2	6.8	4.4	18	<0.1	1.9	1.5	935	0.48	<0.5	1.3	5.6	26	0.2	<0.1	<0.1	<2	1.99	0.007
TK16-139	Rock	1.05	<0.1	4.7	3.7	9	<0.1	1.1	0.9	713	0.43	<0.5	<0.5	7.2	11	0.1	<0.1	<0.1	<2	0.64	0.008
TK16-140	Rock	1.21	0.1	15.7	11.2	17	<0.1	3.6	1.9	283	0.50	<0.5	0.7	10.6	18	<0.1	0.1	0.2	4	0.13	0.015
TK16-141	Rock	1.25	0.1	31.5	22.1	4	<0.1	0.9	0.8	223	0.36	<0.5	0.9	5.2	7	<0.1	<0.1	0.3	2	0.16	0.009
TK16-142	Rock	1.09	0.2	12.0	3.8	15	<0.1	3.7	2.1	278	0.69	0.7	<0.5	8.1	14	<0.1	0.1	0.2	5	0.14	0.009
TK16-143	Rock	1.61	0.2	43.5	5.6	9	<0.1	1.4	0.8	506	0.59	1.1	<0.5	6.4	17	0.1	0.4	0.3	4	0.27	0.040
TK16-144	Rock	1.66	0.2	12.4	3.9	27	<0.1	7.1	4.0	425	0.94	1.2	<0.5	7.4	16	<0.1	0.2	0.3	6	0.11	0.008
TK16-145	Rock	1.27	<0.1	2.5	5.8	37	<0.1	6.6	5.4	324	0.58	<0.5	<0.5	7.6	15	<0.1	<0.1	0.1	4	0.13	0.006
TK16-146	Rock	0.96	0.1	3.2	8.7	38	<0.1	6.8	5.1	309	0.72	0.9	<0.5	10.5	16	<0.1	<0.1	0.1	5	0.10	0.018
TK16-147	Rock	0.98	<0.1	22.9	5.0	7	<0.1	2.0	1.1	89	0.72	<0.5	<0.5	5.4	8	<0.1	<0.1	0.1	3	0.04	0.006
TK16-148	Rock	1.21	<0.1	17.2	8.2	11	<0.1	1.4	0.9	255	0.50	<0.5	<0.5	6.7	13	<0.1	<0.1	0.2	3	0.13	0.011
TK16-149	Rock	1.79	0.1	11.7	5.2	35	<0.1	8.3	7.2	1094	0.81	<0.5	<0.5	7.1	27	<0.1	<0.1	<0.1	4	1.57	0.009
TK16-150	Rock	1.37	<0.1	1.6	8.0	70	<0.1	11.3	9.5	1158	0.94	<0.5	<0.5	4.8	27	0.1	<0.1	<0.1	3	1.86	0.011
TK16-151	Rock	1.30	<0.1	1.6	10.2	42	<0.1	10.6	6.2	962	0.78	<0.5	<0.5	5.8	40	0.2	<0.1	<0.1	3	2.50	0.010
TK16-152	Rock	1.12	<0.1	3.3	10.0	70	<0.1	12.1	8.5	920	0.96	<0.5	0.7	7.7	32	0.1	<0.1	<0.1	3	2.19	0.008
TK16-153	Rock	1.42	<0.1	2.6	8.7	34	<0.1	8.1	4.3	796	0.68	<0.5	<0.5	6.6	28	0.1	<0.1	<0.1	3	2.11	0.012
TK16-154	Rock	1.19	<0.1	1.3	5.6	31	<0.1	5.4	3.5	406	0.62	<0.5	<0.5	6.1	16	<0.1	<0.1	0.1	3	1.07	0.011
TK16-155	Rock	1.80	<0.1	1.5	8.5	30	<0.1	6.3	3.4	492	0.73	<0.5	0.8	8.8	24	0.1	<0.1	<0.1	4	1.70	0.013
TK16-156	Rock	1.05	<0.1	0.9	7.6	21	<0.1	3.1	1.9	631	0.34	<0.5	1.4	7.1	25	0.2	<0.1	<0.1	2	2.01	0.011
TK16-157	Rock	0.96	<0.1	1.0	7.2	27	<0.1	5.7	2.5	298	0.79	0.6	<0.5	9.5	6	<0.1	<0.1	<0.1	3	0.27	0.039
TK16-158	Rock	1.34	<0.1	1.6	6.6	53	<0.1	5.1	5.4	745	0.58	<0.5	<0.5	6.4	26	0.1	<0.1	<0.1	2	2.05	0.010
TK16-159	Rock	1.45	<0.1	1.8	3.5	8	<0.1	1.8	1.0	189	0.24	<0.5	2.5	5.8	8	<0.1	<0.1	<0.1	<2	0.53	0.008

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Bureau Veritas Commodities Canada 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: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001182.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	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	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
TK16-136	Rock		16	5	0.47	38	0.003	<1	0.71	0.033	0.12	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
TK16-137	Rock		15	5	0.30	25	0.002	<1	0.49	0.027	0.07	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
TK16-138	Rock		14	3	0.12	39	0.002	<1	0.31	0.032	0.09	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
TK16-139	Rock		20	3	0.05	28	0.001	<1	0.21	0.032	0.07	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
TK16-140	Rock		41	7	0.10	76	0.053	<1	0.41	0.054	0.23	0.1	<0.01	1.5	<0.1	<0.05	1	<0.5	<0.2
TK16-141	Rock		19	3	0.02	128	0.046	<1	0.19	0.049	0.10	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
TK16-142	Rock		31	6	0.07	80	0.081	<1	0.38	0.054	0.21	0.2	<0.01	1.4	<0.1	<0.05	1	<0.5	<0.2
TK16-143	Rock		26	6	0.03	153	0.044	<1	0.25	0.049	0.14	0.1	<0.01	1.2	<0.1	<0.05	<1	<0.5	<0.2
TK16-144	Rock		23	7	0.17	107	0.046	<1	0.46	0.070	0.17	<0.1	<0.01	1.7	<0.1	<0.05	1	<0.5	<0.2
TK16-145	Rock		31	4	0.24	95	0.019	<1	0.50	0.051	0.24	<0.1	<0.01	1.4	0.2	<0.05	2	<0.5	<0.2
TK16-146	Rock		33	6	0.22	113	0.018	<1	0.57	0.051	0.27	<0.1	<0.01	1.5	0.1	<0.05	2	<0.5	<0.2
TK16-147	Rock		14	4	0.03	113	0.010	<1	0.26	0.047	0.14	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
TK16-148	Rock		28	4	0.03	95	0.015	<1	0.28	0.048	0.18	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
TK16-149	Rock		17	5	0.72	31	0.003	<1	0.36	0.034	0.11	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
TK16-150	Rock		13	3	0.50	145	0.003	<1	0.69	0.016	0.14	<0.1	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
TK16-151	Rock		16	3	0.32	52	0.003	<1	0.54	0.014	0.17	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
TK16-152	Rock		22	3	0.41	67	0.002	<1	0.65	0.005	0.19	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
TK16-153	Rock		23	2	0.23	50	0.002	<1	0.48	0.005	0.19	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
TK16-154	Rock		18	2	0.21	56	0.002	<1	0.43	0.013	0.16	<0.1	<0.01	0.6	0.2	<0.05	1	<0.5	<0.2
TK16-155	Rock		22	3	0.21	40	0.003	<1	0.48	0.019	0.19	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
TK16-156	Rock		16	2	0.15	58	0.002	<1	0.37	0.015	0.16	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK16-157	Rock		29	4	0.15	65	0.003	<1	0.49	0.012	0.23	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
TK16-158	Rock		19	3	0.38	62	0.002	<1	0.54	0.009	0.13	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
TK16-159	Rock		17	2	0.07	35	0.002	<1	0.28	0.016	0.15	<0.1	<0.01	0.5	<0.1	<0.05	<1	<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

Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001182.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
TK16-151	Rock	1.30	<0.1	1.6	10.2	42	<0.1	10.6	6.2	962	0.78	<0.5	<0.5	5.8	40	0.2	<0.1	<0.1	3	2.50	0.010
REP TK16-151	QC		<0.1	1.6	9.8	43	<0.1	9.6	5.8	945	0.74	<0.5	<0.5	5.9	38	0.1	<0.1	<0.1	3	2.49	0.010
Core Reject Duplicates																					
TK16-158	Rock	1.34	<0.1	1.6	6.6	53	<0.1	5.1	5.4	745	0.58	<0.5	<0.5	6.4	26	0.1	<0.1	<0.1	2	2.05	0.010
DUP TK16-158	QC		<0.1	1.5	6.5	47	<0.1	4.9	5.2	725	0.56	<0.5	3.7	6.1	24	0.1	<0.1	<0.1	2	1.99	0.009
Reference Materials																					
STD DS10	Standard		15.8	151.8	143.8	385	1.8	74.5	12.6	890	2.84	46.7	77.0	7.6	69	2.7	8.2	11.3	46	1.10	0.076
STD OXC129	Standard		1.3	29.2	6.5	42	<0.1	84.9	22.2	434	3.14	0.7	207.2	1.9	201	<0.1	<0.1	<0.1	55	0.74	0.110
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
Prep Wash																					
ROCK-VAN	Prep Blank		1.9	3.1	1.1	31	<0.1	1.3	3.8	496	1.84	1.2	0.7	2.1	23	<0.1	<0.1	<0.1	24	0.63	0.037
ROCK-VAN	Prep Blank		1.6	3.0	1.0	34	<0.1	0.7	3.9	504	1.87	1.4	1.0	2.3	22	<0.1	<0.1	<0.1	25	0.60	0.042

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PHONE (604) 253-3158

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

Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001182.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
TK16-151	Rock	16	3	0.32	52	0.003	<1	0.54	0.014	0.17	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
REP TK16-151	QC	16	3	0.31	49	0.002	<1	0.53	0.014	0.17	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
Core Reject Duplicates																		
TK16-158	Rock	19	3	0.38	62	0.002	<1	0.54	0.009	0.13	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
DUP TK16-158	QC	19	3	0.37	66	0.002	<1	0.52	0.009	0.13	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	18	56	0.79	364	0.088	6	1.12	0.074	0.34	3.1	0.29	3.3	5.1	0.29	5	2.4	5.2
STD OXC129	Standard	13	56	1.55	53	0.432	<1	1.65	0.609	0.36	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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																		
ROCK-VAN	Prep Blank	6	3	0.43	57	0.081	3	0.88	0.095	0.10	0.1	<0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	7	2	0.45	55	0.086	2	0.83	0.070	0.08	0.1	<0.01	3.4	<0.1	<0.05	4	<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: July 18, 2016
Report Date: July 26, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001183.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 23

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	23	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	23	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	23	Warehouse handling / disposition of pulps			VAN
DRRJT	23	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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 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: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001183.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
TK16-160	Rock	0.92	<0.1	2.8	8.6	65	<0.1	6.4	6.7	755	0.72	<0.5	1.7	7.8	27	0.1	<0.1	0.1	3	1.82	0.010
TK16-161	Rock	0.91	0.1	2.0	6.0	31	<0.1	4.0	3.6	659	0.45	1.2	<0.5	7.0	17	<0.1	<0.1	<0.1	<2	1.32	0.008
TK16-162	Rock	0.92	<0.1	1.7	8.3	142	<0.1	15.1	13.3	1224	1.49	2.1	<0.5	7.6	33	0.1	<0.1	<0.1	6	2.72	0.011
TK16-163	Rock	0.88	<0.1	2.4	7.5	49	<0.1	5.7	4.7	557	0.56	<0.5	<0.5	6.3	22	<0.1	<0.1	<0.1	<2	1.30	0.009
TK16-164	Rock	1.31	<0.1	2.2	8.9	79	<0.1	10.8	8.0	761	0.95	<0.5	<0.5	7.3	28	<0.1	<0.1	0.1	3	1.73	0.010
TK16-165	Rock	1.14	<0.1	0.9	5.4	21	<0.1	2.8	2.3	360	0.34	<0.5	<0.5	10.2	8	<0.1	<0.1	<0.1	2	0.47	0.009
TK16-166	Rock	1.01	<0.1	7.8	5.7	18	<0.1	2.3	1.7	198	0.34	<0.5	<0.5	10.7	9	<0.1	<0.1	0.2	<2	0.39	0.009
TK16-167	Rock	0.99	<0.1	8.6	5.6	18	<0.1	2.5	1.7	150	0.56	<0.5	<0.5	17.7	12	<0.1	<0.1	<0.1	3	0.41	0.010
TK16-168	Rock	1.29	<0.1	4.7	4.2	25	<0.1	3.9	2.6	260	0.52	<0.5	<0.5	6.0	8	<0.1	<0.1	<0.1	2	0.26	0.008
TK16-169	Rock	1.64	<0.1	4.8	4.4	16	<0.1	2.9	1.9	312	0.33	<0.5	<0.5	5.2	13	<0.1	<0.1	<0.1	<2	0.66	0.008
TK16-170	Rock	0.80	<0.1	3.5	6.7	41	<0.1	8.3	4.8	303	0.81	<0.5	<0.5	7.0	9	<0.1	<0.1	<0.1	3	0.36	0.008
TK16-171	Rock	0.92	<0.1	3.1	4.5	39	<0.1	5.5	3.9	65	0.52	<0.5	<0.5	7.6	4	<0.1	<0.1	0.1	2	0.04	0.016
TK16-172	Rock	1.07	0.2	1.3	4.9	27	<0.1	3.7	3.3	467	0.39	<0.5	<0.5	4.9	6	<0.1	<0.1	<0.1	<2	1.15	0.007
TK16-173	Rock	2.11	<0.1	1.8	7.6	25	<0.1	6.2	2.9	376	0.61	<0.5	<0.5	8.3	7	<0.1	<0.1	0.1	4	0.32	0.009
DA16-54	Rock	1.02	<0.1	2.4	5.1	9	<0.1	2.6	1.4	57	0.34	0.7	<0.5	14.9	2	<0.1	0.4	0.1	<2	0.03	0.009
DA16-55	Rock	1.16	0.2	1.7	3.3	16	<0.1	2.1	2.3	699	0.49	<0.5	<0.5	4.8	5	<0.1	0.3	<0.1	3	0.60	0.013
DA16-58	Rock	0.52	<0.1	15.5	3.5	17	<0.1	5.9	4.4	33	1.20	<0.5	8.9	9.8	2	<0.1	0.3	0.6	4	<0.01	0.004
DA16-65A	Rock	0.88	0.2	2.4	6.7	40	<0.1	5.6	7.6	1121	0.89	<0.5	<0.5	8.0	27	0.2	0.5	<0.1	5	1.74	0.014
DA16-67	Rock	0.72	<0.1	2.3	5.3	19	<0.1	4.2	4.1	1198	0.90	<0.5	<0.5	15.5	24	<0.1	0.4	<0.1	4	2.25	0.010
DA16-88	Rock	0.75	<0.1	3.0	4.9	35	<0.1	6.0	3.6	505	0.61	<0.5	<0.5	7.3	5	<0.1	0.2	<0.1	4	0.20	0.018
DA16-1205C	Rock	0.54	<0.1	42.8	8.5	23	0.2	3.0	1.7	157	0.44	<0.5	<0.5	6.2	10	<0.1	<0.1	0.1	3	0.08	0.015
DA16-126	Rock	0.76	1.1	10.9	9.1	15	<0.1	2.1	1.2	1153	0.61	0.7	<0.5	7.0	11	0.3	0.1	<0.1	4	1.24	0.009
DA16-63	Rock	0.52	0.1	2.1	4.0	18	<0.1	4.5	2.7	526	0.79	<0.5	<0.5	8.0	9	<0.1	0.3	<0.1	3	0.42	0.014

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada 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: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001183.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	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	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
TK16-160	Rock		24	4	0.48	48	0.003	<1	0.72	0.027	0.17	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
TK16-161	Rock		20	3	0.24	65	0.002	<1	0.40	0.023	0.12	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
TK16-162	Rock		21	6	1.06	107	0.003	<1	1.23	0.017	0.15	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
TK16-163	Rock		17	3	0.32	38	0.002	<1	0.48	0.019	0.12	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
TK16-164	Rock		20	4	0.60	63	0.003	<1	0.84	0.024	0.18	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
TK16-165	Rock		19	3	0.12	45	0.002	<1	0.27	0.026	0.11	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
TK16-166	Rock		20	4	0.09	60	0.003	<1	0.33	0.036	0.17	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
TK16-167	Rock		46	6	0.13	48	0.004	<1	0.37	0.039	0.18	<0.1	<0.01	1.2	<0.1	<0.05	1	<0.5	<0.2
TK16-168	Rock		24	3	0.12	82	0.002	<1	0.34	0.028	0.16	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
TK16-169	Rock		16	3	0.10	54	0.003	<1	0.34	0.045	0.16	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
TK16-170	Rock		21	4	0.21	61	0.003	<1	0.42	0.025	0.16	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
TK16-171	Rock		18	4	0.20	72	0.005	<1	0.43	0.040	0.16	<0.1	<0.01	1.0	0.2	<0.05	1	<0.5	<0.2
TK16-172	Rock		15	2	0.22	78	0.002	<1	0.40	0.022	0.13	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
TK16-173	Rock		25	5	0.20	65	0.006	<1	0.55	0.031	0.24	<0.1	<0.01	1.2	0.1	<0.05	1	<0.5	<0.2
DA16-54	Rock		23	3	0.03	46	0.002	<1	0.32	0.005	0.20	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
DA16-55	Rock		23	2	0.07	134	0.002	<1	0.37	0.006	0.23	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
DA16-58	Rock		17	4	0.04	45	0.001	<1	0.54	0.007	0.21	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
DA16-65A	Rock		24	3	0.60	92	0.002	<1	0.39	0.006	0.22	<0.1	<0.01	1.3	<0.1	<0.05	<1	<0.5	<0.2
DA16-67	Rock		40	4	0.15	34	0.001	<1	0.27	0.004	0.17	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
DA16-88	Rock		29	3	0.14	116	0.002	<1	0.58	0.007	0.31	<0.1	<0.01	1.1	<0.1	<0.05	1	<0.5	<0.2
DA16-1205C	Rock		25	4	0.10	42	0.032	<1	0.31	0.042	0.17	<0.1	<0.01	1.2	<0.1	<0.05	<1	<0.5	<0.2
DA16-126	Rock		13	5	0.04	161	0.027	<1	0.31	0.049	0.18	<0.1	<0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2
DA16-63	Rock		25	4	0.04	101	0.002	<1	0.35	0.007	0.23	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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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: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001183.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
DA16-63	Rock	0.52	0.1	2.1	4.0	18	<0.1	4.5	2.7	526	0.79	<0.5	<0.5	8.0	9	<0.1	0.3	<0.1	3	0.42	0.014
REP DA16-63	QC		0.1	1.9	3.9	18	<0.1	4.2	2.6	530	0.80	<0.5	<0.5	7.5	9	<0.1	0.3	<0.1	3	0.42	0.011
Core Reject Duplicates																					
TK16-166	Rock	1.01	<0.1	7.8	5.7	18	<0.1	2.3	1.7	198	0.34	<0.5	<0.5	10.7	9	<0.1	<0.1	0.2	<2	0.39	0.009
DUP TK16-166	QC		<0.1	7.5	5.6	16	<0.1	2.2	1.6	196	0.30	<0.5	<0.5	11.2	9	<0.1	<0.1	0.1	<2	0.39	0.008
Reference Materials																					
STD DS10	Standard		14.9	159.5	147.3	352	1.8	75.8	12.8	877	2.78	47.2	116.8	7.3	62	2.3	8.2	11.2	45	1.07	0.076
STD OXC129	Standard		1.4	31.4	6.8	48	<0.1	85.3	21.3	439	3.16	<0.5	197.3	1.9	195	<0.1	<0.1	<0.1	55	0.65	0.099
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
Prep Wash																					
ROCK-VAN	Prep Blank		1.1	5.4	1.3	35	<0.1	0.8	4.0	516	1.94	0.8	<0.5	2.5	21	<0.1	<0.1	0.1	26	0.58	0.040
ROCK-VAN	Prep Blank		0.9	4.5	1.2	32	<0.1	0.6	4.1	499	1.84	0.8	<0.5	2.4	20	<0.1	<0.1	<0.1	25	0.56	0.046

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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

Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001183.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
DA16-63	Rock	25	4	0.04	101	0.002	<1	0.35	0.007	0.23	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
REP DA16-63	QC	24	4	0.04	96	0.002	<1	0.35	0.006	0.23	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
Core Reject Duplicates																		
TK16-166	Rock	20	4	0.09	60	0.003	<1	0.33	0.036	0.17	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
DUP TK16-166	QC	20	3	0.09	53	0.003	<1	0.26	0.027	0.13	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	18	57	0.78	348	0.081	7	1.05	0.070	0.33	3.2	0.29	3.3	5.3	0.28	4	2.2	5.1
STD OXC129	Standard	13	56	1.58	51	0.413	1	1.58	0.609	0.37	<0.1	<0.01	1.5	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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																		
ROCK-VAN	Prep Blank	7	3	0.47	67	0.083	2	0.91	0.094	0.10	0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	2	0.46	57	0.077	1	0.86	0.072	0.08	0.1	<0.01	2.9	<0.1	<0.05	4	<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: July 18, 2016
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001184.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 12

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	12	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	12	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	12	Warehouse handling / disposition of pulps			VAN
DRRJT	12	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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.

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Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001184.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
MK16-44	Rock	0.75	<0.1	12.6	7.6	6	<0.1	0.9	0.6	1333	0.55	<0.5	2.2	8.2	35	0.2	<0.1	0.2	2	1.27	0.008
MK16-45	Rock	0.92	0.2	100.3	3.8	11	<0.1	2.5	1.3	93	0.59	<0.5	3.3	8.1	4	<0.1	<0.1	0.4	2	0.01	0.007
MK16-46	Rock	0.84	<0.1	15.3	30.7	120	<0.1	10.5	6.9	350	1.41	0.6	5.2	9.0	8	<0.1	<0.1	0.3	5	0.05	0.017
MK16-47	Rock	1.17	0.2	3.2	14.0	20	<0.1	4.9	2.4	1584	0.73	0.6	5.3	2.6	66	0.2	<0.1	0.1	3	4.00	0.033
MK16-48	Rock	0.66	<0.1	1.7	6.6	41	<0.1	3.5	4.2	1046	0.57	<0.5	0.8	4.9	22	0.1	<0.1	<0.1	4	1.82	0.007
MK16-49	Rock	0.67	0.2	2.5	8.8	29	<0.1	4.1	3.0	590	0.57	<0.5	<0.5	11.8	15	0.1	<0.1	0.2	3	1.05	0.009
MK16-50	Rock	1.26	<0.1	1.9	5.2	24	<0.1	3.6	2.3	232	0.36	<0.5	3.1	8.7	5	<0.1	<0.1	<0.1	<2	0.23	0.012
MK16-51	Rock	1.34	0.2	4.0	7.0	87	<0.1	18.4	9.6	489	1.19	<0.5	1.2	7.3	6	<0.1	<0.1	<0.1	6	0.16	0.018
MK16-52	Rock	0.81	<0.1	9.4	7.9	29	<0.1	8.1	4.0	141	0.81	0.7	0.7	7.7	3	<0.1	<0.1	2.4	3	0.03	0.015
MK16-53	Rock	0.96	0.8	6.4	5.7	41	<0.1	5.5	4.3	607	0.80	1.5	0.7	4.8	4	<0.1	<0.1	0.2	4	0.09	0.008
MK16-54	Rock	1.28	<0.1	5.7	10.3	25	<0.1	6.9	4.2	902	0.76	<0.5	<0.5	5.2	55	0.1	<0.1	0.2	3	2.56	0.019
MK16-55	Rock	1.10	0.4	10.5	19.7	11	<0.1	2.9	3.3	1412	0.57	1.1	<0.5	5.8	2	<0.1	0.1	<0.1	3	0.01	0.006

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Bureau Veritas Commodities Canada 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: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001184.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	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	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
MK16-44	Rock		17	6	0.03	72	0.004	<1	0.12	0.043	0.07	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
MK16-45	Rock		23	7	0.04	74	0.004	<1	0.23	0.063	0.12	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
MK16-46	Rock		20	9	0.56	45	0.004	<1	0.91	0.029	0.13	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
MK16-47	Rock		14	6	0.17	47	0.003	<1	0.31	0.004	0.14	0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
MK16-48	Rock		18	4	0.42	58	0.002	<1	0.50	0.017	0.08	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
MK16-49	Rock		28	7	0.24	50	0.002	<1	0.47	0.016	0.14	<0.1	<0.01	1.2	0.2	<0.05	1	<0.5	<0.2
MK16-50	Rock		23	5	0.11	55	0.002	1	0.29	0.025	0.11	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
MK16-51	Rock		23	8	0.46	84	0.007	<1	0.72	0.035	0.20	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
MK16-52	Rock		12	6	0.17	55	0.007	<1	0.39	0.018	0.15	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	0.3
MK16-53	Rock		18	7	0.20	86	0.005	<1	0.45	0.048	0.13	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
MK16-54	Rock		20	4	0.18	38	0.004	<1	0.32	0.025	0.12	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2
MK16-55	Rock		18	5	0.07	47	0.003	<1	0.46	0.005	0.10	<0.1	<0.01	1.2	<0.1	<0.05	<1	<0.5	<0.2

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Client: **Kootenay Silver Inc.**
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Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001184.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Core Reject Duplicates																					
MK16-53	Rock	0.96	0.8	6.4	5.7	41	<0.1	5.5	4.3	607	0.80	1.5	0.7	4.8	4	<0.1	<0.1	0.2	4	0.09	0.008
DUP MK16-53	QC		0.8	6.3	5.9	41	<0.1	5.1	3.9	609	0.81	1.5	<0.5	4.9	4	<0.1	<0.1	0.1	4	0.09	0.007
Reference Materials																					
STD DS10	Standard		13.5	147.9	145.6	358	1.8	71.1	11.9	880	2.75	46.6	72.7	7.0	61	2.6	7.9	10.9	43	1.07	0.080
STD OXC129	Standard		1.2	28.8	6.2	42	<0.1	82.1	20.1	422	3.00	<0.5	203.4	1.8	181	<0.1	<0.1	<0.1	51	0.63	0.103
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
Prep Wash																					
ROCK-VAN	Prep Blank		0.9	2.6	1.0	30	<0.1	0.7	3.4	446	1.71	1.4	2.5	2.2	16	<0.1	<0.1	<0.1	21	0.52	0.037
ROCK-VAN	Prep Blank		1.4	4.3	1.3	32	0.2	1.9	4.3	520	1.89	2.0	1.8	2.2	18	<0.1	<0.1	<0.1	23	0.53	0.043

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Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001184.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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
Core Reject Duplicates																		
MK16-53	Rock	18	7	0.20	86	0.005	<1	0.45	0.048	0.13	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
DUP MK16-53	QC	18	7	0.21	85	0.005	<1	0.46	0.050	0.14	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	16	54	0.77	350	0.079	7	1.05	0.070	0.33	2.9	0.29	3.0	5.0	0.29	4	2.2	5.0
STD OXC129	Standard	12	53	1.51	51	0.412	2	1.50	0.583	0.35	<0.1	<0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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																		
ROCK-VAN	Prep Blank	6	3	0.41	55	0.065	2	0.75	0.069	0.07	<0.1	<0.01	2.6	<0.1	<0.05	3	<0.5	<0.2
ROCK-VAN	Prep Blank	6	5	0.46	62	0.077	2	0.87	0.087	0.09	0.1	<0.01	3.3	<0.1	<0.05	4	<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: July 18, 2016
Report Date: July 26, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001185.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 14

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	14	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	14	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	14	Warehouse handling / disposition of pulps			VAN
DRRJT	14	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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.

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

Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001185.1

Method		WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
SK16-85	Rock	0.54	0.2	143.6	11.2	129	<0.1	13.9	11.7	556	1.40	0.6	11.3	7.8	5	<0.1	0.4	4.8	6	0.05	0.018
SK16-86	Rock	0.86	6.5	160.6	192.7	119	1.4	14.2	7.9	2245	1.29	0.5	<0.5	11.5	141	0.5	<0.1	3.5	8	3.42	0.075
SK16-87	Rock	0.53	0.2	394.8	26.5	85	0.1	28.2	15.5	631	1.70	1.4	0.6	5.9	27	0.3	<0.1	0.8	4	1.21	0.014
SK16-88	Rock	0.60	0.2	3.8	5.3	25	<0.1	5.9	3.0	339	0.53	<0.5	<0.5	8.6	13	<0.1	<0.1	<0.1	2	0.87	0.013
SK16-89	Rock	0.52	0.1	1.6	8.8	33	<0.1	6.7	4.0	823	0.59	<0.5	<0.5	4.8	34	0.2	<0.1	<0.1	2	2.43	0.010
SK16-90	Rock	0.67	0.2	2.1	4.0	14	<0.1	3.7	2.2	509	0.34	<0.5	<0.5	4.5	15	<0.1	<0.1	<0.1	<2	1.18	0.007
SK16-91	Rock	0.63	<0.1	1.3	8.7	21	<0.1	6.5	2.8	602	0.77	<0.5	<0.5	6.9	29	<0.1	<0.1	<0.1	3	2.16	0.037
SK16-92	Rock	0.77	0.2	2.0	5.6	26	<0.1	4.5	3.9	797	0.46	<0.5	<0.5	6.9	22	0.1	<0.1	<0.1	<2	2.08	0.007
SK16-93	Rock	0.55	<0.1	1.9	4.2	23	<0.1	4.5	2.5	122	0.41	<0.5	0.8	8.5	4	<0.1	<0.1	<0.1	2	0.16	0.020
SK16-94	Rock	0.52	<0.1	1.6	5.9	27	<0.1	7.9	3.4	423	0.78	<0.5	1.0	6.1	13	0.1	<0.1	<0.1	4	0.64	0.019
SK16-95	Rock	0.78	<0.1	1.1	5.0	21	<0.1	5.6	2.1	97	0.42	<0.5	<0.5	12.8	5	<0.1	<0.1	<0.1	2	0.15	0.010
SK16-96	Rock	1.13	<0.1	1.3	3.7	26	<0.1	5.8	2.9	162	0.47	0.5	<0.5	13.3	8	<0.1	<0.1	<0.1	3	0.27	0.013
SK16-97	Rock	0.59	<0.1	0.8	7.3	16	<0.1	3.7	1.8	53	0.40	<0.5	<0.5	23.3	3	<0.1	<0.1	<0.1	3	0.04	0.011
SK16-98	Rock	0.54	0.1	1.5	3.8	19	<0.1	2.7	2.1	37	0.41	<0.5	<0.5	6.7	3	<0.1	<0.1	<0.1	<2	0.02	0.007

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Suite 1820 - 1055 W. Hastings St.
Vancouver BC V6E 2E9 CANADA

Project: SILVER FOX
Report Date: July 26, 2016

CERTIFICATE OF ANALYSIS VAN16001185.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	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	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
SK16-85	Rock		17	7	0.60	52	0.007	<1	0.76	0.044	0.16	<0.1	<0.01	1.1	<0.1	<0.05	3	<0.5	1.0
SK16-86	Rock		29	10	0.58	85	0.010	1	1.05	0.027	0.29	<0.1	<0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
SK16-87	Rock		20	6	0.61	34	0.003	1	1.00	0.009	0.12	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
SK16-88	Rock		32	4	0.20	41	0.002	1	0.47	0.020	0.19	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
SK16-89	Rock		22	4	0.28	40	0.002	<1	0.50	0.014	0.16	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
SK16-90	Rock		26	4	0.12	62	0.001	<1	0.35	0.005	0.16	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
SK16-91	Rock		19	4	0.19	37	0.003	<1	0.46	0.019	0.19	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
SK16-92	Rock		24	4	0.21	116	0.002	<1	0.40	0.005	0.14	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
SK16-93	Rock		30	4	0.17	50	0.002	<1	0.49	0.014	0.21	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
SK16-94	Rock		16	5	0.18	77	0.007	1	0.44	0.027	0.18	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
SK16-95	Rock		29	5	0.13	47	0.003	<1	0.36	0.026	0.16	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
SK16-96	Rock		28	6	0.20	36	0.003	<1	0.34	0.030	0.13	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
SK16-97	Rock		29	5	0.09	36	0.004	<1	0.28	0.021	0.14	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
SK16-98	Rock		25	5	0.11	37	0.002	<1	0.32	0.044	0.11	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2

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

Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001185.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
SK16-96	Rock	1.13	<0.1	1.3	3.7	26	<0.1	5.8	2.9	162	0.47	0.5	<0.5	13.3	8	<0.1	<0.1	<0.1	3	0.27	0.013
REP SK16-96	QC		0.2	1.0	3.6	25	<0.1	5.9	2.9	159	0.45	<0.5	<0.5	12.9	7	<0.1	<0.1	<0.1	2	0.27	0.012
Reference Materials																					
STD DS10	Standard		13.5	147.9	145.6	358	1.8	71.1	11.9	880	2.75	46.6	72.7	7.0	61	2.6	7.9	10.9	43	1.07	0.080
STD OXC129	Standard		1.2	28.8	6.2	42	<0.1	82.1	20.1	422	3.00	<0.5	203.4	1.8	181	<0.1	<0.1	<0.1	51	0.63	0.103
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
Prep Wash																					
ROCK-VAN	Prep Blank		1.3	2.5	1.0	32	<0.1	1.3	3.8	485	1.80	1.4	<0.5	2.2	22	<0.1	<0.1	<0.1	23	0.69	0.040
ROCK-VAN	Prep Blank		1.2	3.2	1.0	30	<0.1	1.4	3.7	490	1.87	1.0	0.5	2.3	23	<0.1	<0.1	<0.1	25	0.62	0.041

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PHONE (604) 253-3158

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

Project: SILVER FOX
Report Date: July 26, 2016

QUALITY CONTROL REPORT VAN16001185.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
SK16-96	Rock	28	6	0.20	36	0.003	<1	0.34	0.030	0.13	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
REP SK16-96	QC	28	6	0.19	34	0.003	1	0.34	0.029	0.12	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	16	54	0.77	350	0.079	7	1.05	0.070	0.33	2.9	0.29	3.0	5.0	0.29	4	2.2	5.0
STD OXC129	Standard	12	53	1.51	51	0.412	2	1.50	0.583	0.35	<0.1	<0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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																		
ROCK-VAN	Prep Blank	7	4	0.42	72	0.069	3	0.91	0.087	0.09	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	4	0.45	78	0.083	1	0.91	0.095	0.10	0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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PHONE (604) 253-3158

Client: **Kootenay Silver Inc.**
Suite 1820 - 1055 W. Hastings St.
Vancouver British Columbia V6E 2E9 Canada

Submitted By: Email Distribution List - Soil & Rock
Receiving Lab: Canada-Vancouver
Received: September 15, 2016
Report Date: September 22, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001661.1

CLIENT JOB INFORMATION

Project: SILVER FOX
Shipment ID:
P.O. Number
Number of Samples: 26

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	26	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	26	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	26	Warehouse handling / disposition of pulps			VAN
DRRJT	26	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS

Invoice To: Kootenay Silver Inc.
Suite 1820 - 1055 W. Hastings St.
Vancouver British Columbia V6E 2E9
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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.

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Client: **Kootenay Silver Inc.**
Suite 1820 - 1055 W. Hastings St.
Vancouver British Columbia V6E 2E9 Canada

Project: SILVER FOX
Report Date: September 22, 2016

CERTIFICATE OF ANALYSIS VAN16001661.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
TK16-174	Rock	0.82	0.8	1782.5	21.1	91	4.1	14.5	6.5	1811	1.22	0.6	4.0	11.9	59	1.0	0.2	<0.1	5	1.57	0.072
TK16-175	Rock	1.88	<0.1	15.2	14.7	75	<0.1	13.2	7.8	1210	1.14	<0.5	0.6	6.0	108	0.6	0.1	0.2	2	5.13	0.014
TK16-176	Rock	1.16	0.1	163.5	21.5	198	<0.1	23.0	18.1	1109	2.83	0.6	<0.5	9.2	77	0.5	0.2	1.0	6	3.04	0.051
TK16-177	Rock	0.73	<0.1	19.1	15.6	94	<0.1	9.2	9.2	556	1.39	0.6	<0.5	6.7	33	0.3	<0.1	0.6	2	1.76	0.015
TK16-178	Rock	0.95	<0.1	24.7	6.2	56	<0.1	7.2	3.2	422	0.85	1.0	<0.5	6.2	30	0.2	<0.1	<0.1	<2	1.26	0.012
TK16-179	Rock	0.89	0.4	27.6	6.0	3	<0.1	0.6	0.4	302	0.23	0.7	<0.5	1.3	1	0.1	0.1	<0.1	<2	0.02	0.006
TK16-180	Rock	1.87	3.1	466.6	35.7	42	0.2	11.0	7.2	1403	1.28	0.9	0.5	9.4	54	0.2	0.1	0.3	6	2.58	0.040
TK16-181	Rock	0.88	1.7	385.4	17.9	44	0.1	13.2	7.6	1654	1.44	0.9	<0.5	8.9	77	0.2	0.2	0.1	5	3.52	0.038
TK16-182	Rock	1.32	<0.1	18.4	9.0	58	<0.1	4.9	3.0	1680	4.22	<0.5	<0.5	6.0	1	<0.1	2.3	<0.1	10	0.03	0.013
TK16-183	Rock	1.00	0.2	38.0	8.0	45	<0.1	4.3	3.6	1742	4.28	<0.5	<0.5	6.6	1	<0.1	2.9	<0.1	11	0.02	0.012
TK16-184	Rock	1.87	<0.1	7.4	6.7	9	<0.1	2.6	1.6	231	0.63	<0.5	<0.5	6.3	26	<0.1	0.5	0.3	2	0.91	0.015
TK16-185	Rock	1.54	0.1	3.4	13.0	28	<0.1	3.8	5.6	1095	0.84	<0.5	1.0	8.3	77	<0.1	1.1	0.1	4	3.19	0.011
TK16-186	Rock	1.36	0.2	5.8	21.0	12	<0.1	1.2	1.7	206	0.26	2.4	<0.5	11.2	27	<0.1	1.3	0.3	<2	0.79	0.009
TK16-187	Rock	1.65	0.2	5.0	2.9	22	<0.1	7.2	2.1	121	0.88	1.7	5.2	7.2	11	<0.1	2.6	0.1	3	0.25	0.046
TK16-188	Rock	1.84	0.4	9.0	4.5	24	<0.1	7.1	2.6	220	1.14	1.6	1.2	6.7	23	<0.1	2.2	0.2	4	0.61	0.057
TK16-189	Rock	1.20	0.6	3.8	19.8	21	<0.1	6.2	3.8	817	0.73	5.3	1.2	4.6	53	0.1	1.3	0.5	<2	1.02	0.012
TK16-190	Rock	2.70	0.2	11.1	60.1	32	<0.1	4.4	5.7	973	0.79	3.9	<0.5	7.9	43	0.2	1.4	0.8	<2	2.23	0.012
TK16-191	Rock	1.43	0.1	4.9	10.4	22	<0.1	2.1	4.7	921	0.64	<0.5	<0.5	6.6	50	0.1	0.7	0.2	2	2.22	0.010
TK16-192	Rock	1.26	<0.1	3.1	4.4	7	<0.1	1.9	2.8	190	0.41	<0.5	<0.5	8.2	29	<0.1	0.4	<0.1	<2	0.86	0.017
TK16-193	Rock	0.93	0.1	3.7	5.0	10	<0.1	2.3	1.5	297	0.40	<0.5	<0.5	7.8	20	<0.1	0.5	0.1	<2	0.66	0.012
TK16-194	Rock	1.03	0.7	103.4	845.3	465	1.2	8.8	6.9	1155	2.81	7.7	3.9	7.7	3	0.5	1.0	0.6	4	<0.01	0.013
TK16-195	Rock	1.26	<0.1	6.9	376.6	33	0.8	0.5	0.3	215	0.27	1.2	<0.5	24.4	1	<0.1	0.3	<0.1	<2	<0.01	0.012
MK16-162	Rock	1.12	1.4	14.3	6.8	24	<0.1	5.7	5.2	598	0.80	5.0	<0.5	7.2	31	<0.1	0.4	0.1	<2	1.24	0.016
MK16-163	Rock	0.62	2.6	94.1	85.9	39	0.1	3.7	4.1	1011	1.26	1.0	0.7	8.0	65	<0.1	0.9	1.7	4	2.69	0.153
MK16-56	Rock	1.18	<0.1	1.6	2.0	2	<0.1	0.3	0.2	19	0.17	<0.5	<0.5	6.0	1	<0.1	<0.1	<0.1	<2	<0.01	0.002
5K16-99	Rock	1.26	0.2	97.7	22.1	132	<0.1	6.5	7.1	429	1.40	0.7	<0.5	2.5	55	0.4	<0.1	0.3	<2	2.62	0.010

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Vancouver British Columbia V6E 2E9 Canada

Project: SILVER FOX
Report Date: September 22, 2016

CERTIFICATE OF ANALYSIS VAN16001661.1

Method		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		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		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
TK16-174	Rock	23	7	0.43	105	0.006	<1	0.86	0.030	0.24	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
TK16-175	Rock	20	3	0.31	28	0.003	<1	0.63	0.003	0.17	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
TK16-176	Rock	27	8	0.94	41	0.006	<1	1.55	0.010	0.16	<0.1	<0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
TK16-177	Rock	20	4	0.37	44	0.003	1	0.89	0.005	0.21	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
TK16-178	Rock	17	3	0.21	38	0.003	1	0.60	0.005	0.20	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
TK16-179	Rock	10	2	<0.01	24	<0.001	<1	0.05	0.013	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
TK16-180	Rock	26	6	1.11	89	0.008	<1	0.80	0.015	0.33	<0.1	<0.01	1.5	0.1	<0.05	2	<0.5	<0.2
TK16-181	Rock	26	5	1.44	74	0.007	<1	0.80	0.014	0.28	<0.1	<0.01	1.2	0.1	<0.05	2	<0.5	<0.2
TK16-182	Rock	22	7	0.18	44	0.066	<1	1.37	0.002	0.40	<0.1	0.03	1.5	0.8	<0.05	3	<0.5	<0.2
TK16-183	Rock	19	8	0.24	53	0.059	2	1.66	0.002	0.37	<0.1	0.06	1.6	0.6	<0.05	4	<0.5	<0.2
TK16-184	Rock	24	3	0.03	48	0.003	2	0.29	0.005	0.20	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK16-185	Rock	32	2	0.35	76	0.008	3	0.40	0.005	0.26	<0.1	0.01	0.9	0.1	<0.05	<1	<0.5	<0.2
TK16-186	Rock	25	2	0.03	46	0.009	3	0.25	0.003	0.19	0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
TK16-187	Rock	27	5	0.12	76	0.024	2	0.63	0.004	0.37	0.1	<0.01	0.7	0.3	<0.05	1	<0.5	<0.2
TK16-188	Rock	19	5	0.14	78	0.028	1	0.70	0.004	0.42	0.2	<0.01	0.8	0.4	<0.05	1	<0.5	<0.2
TK16-189	Rock	21	3	0.07	79	0.010	4	0.33	0.004	0.19	<0.1	<0.01	0.6	0.1	<0.05	<1	<0.5	<0.2
TK16-190	Rock	32	2	0.08	98	0.009	3	0.41	0.004	0.26	0.1	0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
TK16-191	Rock	28	2	0.17	76	0.006	2	0.29	0.004	0.22	<0.1	0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
TK16-192	Rock	27	3	0.03	52	0.005	2	0.38	0.005	0.27	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK16-193	Rock	32	2	0.04	60	0.004	2	0.34	0.006	0.23	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
TK16-194	Rock	23	6	0.17	36	0.019	2	1.15	0.004	0.24	0.1	0.25	1.2	<0.1	<0.05	2	<0.5	<0.2
TK16-195	Rock	37	3	<0.01	19	0.045	2	0.25	0.003	0.20	0.1	0.07	0.5	<0.1	<0.05	<1	<0.5	<0.2
MK16-162	Rock	22	3	0.19	54	0.023	<1	0.42	0.020	0.23	0.1	<0.01	0.6	0.2	<0.05	<1	<0.5	<0.2
MK16-163	Rock	28	5	0.08	103	0.003	2	0.37	0.007	0.23	0.1	0.03	0.9	<0.1	<0.05	<1	<0.5	<0.2
MK16-56	Rock	5	1	<0.01	29	0.006	<1	0.18	0.003	0.13	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
5K16-99	Rock	16	2	0.48	21	0.002	1	0.86	0.005	0.15	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2

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Project: SILVER FOX
Report Date: September 22, 2016

QUALITY CONTROL REPORT VAN16001661.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
TK16-181	Rock	0.88	1.7	385.4	17.9	44	0.1	13.2	7.6	1654	1.44	0.9	<0.5	8.9	77	0.2	0.2	0.1	5	3.52	0.038
REP TK16-181	QC		1.7	386.4	17.9	45	<0.1	14.2	8.5	1645	1.46	0.9	1.0	9.3	75	0.2	0.2	0.1	6	3.49	0.037
5K16-99	Rock	1.26	0.2	97.7	22.1	132	<0.1	6.5	7.1	429	1.40	0.7	<0.5	2.5	55	0.4	<0.1	0.3	<2	2.62	0.010
REP 5K16-99	QC		0.2	99.7	22.2	133	<0.1	6.2	7.2	429	1.42	0.7	<0.5	2.6	56	0.4	<0.1	0.3	<2	2.63	0.011
Reference Materials																					
STD DS10	Standard		15.6	158.1	159.4	379	1.8	76.1	13.3	917	2.89	45.8	109.1	8.3	69	2.6	8.9	12.4	45	1.11	0.076
STD DS10	Standard		15.2	160.0	151.2	381	2.0	79.2	13.4	889	2.83	46.4	71.2	7.7	66	2.7	9.6	13.1	44	1.08	0.073
STD OXC129	Standard		1.3	28.5	6.6	43	<0.1	81.5	20.6	424	3.13	<0.5	186.6	1.9	185	<0.1	<0.1	<0.1	51	0.68	0.105
STD OXC129	Standard		1.4	30.1	7.1	45	<0.1	84.2	22.3	421	3.17	0.7	198.6	2.0	202	<0.1	<0.1	<0.1	51	0.66	0.100
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
BLK	Blank		<0.1	0.3	<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
Prep Wash																					
ROCK-VAN	Prep Blank		1.0	5.1	1.9	33	<0.1	0.7	3.6	509	1.81	1.7	<0.5	2.4	21	<0.1	<0.1	<0.1	23	0.63	0.047
ROCK-VAN	Prep Blank		1.0	6.6	1.4	34	<0.1	0.8	3.7	499	1.87	1.7	<0.5	2.5	20	<0.1	<0.1	<0.1	23	0.66	0.048

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Kootenay Silver Inc.**
Suite 1820 - 1055 W. Hastings St.
Vancouver British Columbia V6E 2E9 Canada

Project: SILVER FOX
Report Date: September 22, 2016

QUALITY CONTROL REPORT VAN16001661.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	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	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																		
TK16-181	Rock	26	5	1.44	74	0.007	<1	0.80	0.014	0.28	<0.1	<0.01	1.2	0.1	<0.05	2	<0.5	<0.2
REP TK16-181	QC	26	6	1.45	75	0.008	<1	0.81	0.015	0.29	0.1	<0.01	1.5	0.1	<0.05	2	<0.5	<0.2
5K16-99	Rock	16	2	0.48	21	0.002	1	0.86	0.005	0.15	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
REP 5K16-99	QC	15	2	0.48	22	0.002	1	0.85	0.005	0.15	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	19	58	0.79	375	0.085	9	1.10	0.073	0.35	3.5	0.28	3.1	5.6	0.28	4	1.8	5.3
STD DS10	Standard	19	58	0.78	349	0.087	6	1.08	0.071	0.34	3.4	0.27	3.1	5.4	0.28	4	2.5	4.9
STD OXC129	Standard	13	54	1.54	51	0.415	2	1.57	0.599	0.36	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	14	54	1.56	55	0.416	1	1.57	0.609	0.37	<0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		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		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<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	<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																		
ROCK-VAN	Prep Blank	6	3	0.46	62	0.073	2	0.91	0.102	0.09	0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	3	0.45	66	0.068	2	0.92	0.106	0.10	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2

Kootenay Silver Inc.

Date: 16/1/2017	KRL Area Geology 2016
Author:	
Office:	
Drawing:	
Scale: 1:10000	Projection: UTM Zone 11 (NAD 83)

0 125 250 500 metres

N

Legend

- Gabbro
- Kitchener Fm
- C3 Transition (Lower Kitchener)
- Upper Creston-C3/Pc3
- Middle Creston-C2/Pc2
- Quartzite dominated sequence
- Lower Creston-C1/Pc1
- Upper Aldridge-UA/Pa3
- Middle Aldridge-MU/Pa2

- Geological Contact (defined, approximate, assumed)
- Reverse Fault
- Normal Fault
- Anticline
- Syncline
- Bedding, inclined
- Bedding, vertical
- Bedding Horizontal
- Cleavage
- Vein

- Geology Station
- Float
- Cu Copper in outcrop/subcrops
- Pb Lead in outcrop/subcrops
- Road system
- Rivers and Streams
- Minor Contours
- Major Contours
- Parks
- Lakes

Lithologies:
Q=Quartzite
S = Siltstone
A = Argillite
Th.B = Thick bedded
m.b. = medium bedded
t.b. = thin bedded
rw = rusty weathering
bx = breccia
mag = magnetite
Qv = quartz vein
Qp1 to 4 = Quartzite Packages

- Cross Section

0 200 400 metres

Scale 1:10,000

Kootenay Silver Inc.
Yahk Ridge North Geology
Date:18/1/2017
Author:
Office:
Drawing:
Scale: 1:10000
Projection: UTM Zone 11 (NAD 83)
0 125 250 500
metres
Upper Creston
YM
YM'
Legend
Gabbro
Kitchener Fm
C3 Transition (Lower Kitchener)
Upper Creston-C3/Pc3
Middle Creston-C2/Pc2
Quartzite dominated sequence
Lower Creston-C1/Pc1
Upper Aldridge-UA/Pa3
Middle Aldridge-MU/Pa2
Geological Contact (defined, approximate, assumed)
Reverse Fault
Normal Fault
Anticline
Syncline
Bedding, inclined
Bedding, vertical
Bedding Horizontal
Cleavage
Vein
Geology Station
Float
Cu Copper in outcrop/subcrops
Pb Lead in outcrop/subcrops
Road system
Rivers and Streams
Minor Contours
Major Contours
Parks
Lakes
Lithologies:
Q=Quartzite
S = Siltstone
A = Argillite
Th.B = Thick bedded
m.b. = medium bedded
t.b. = thin bedded
rw = rusty weathering
bx = breccia
mag = magnetite
Qv = quartz vein
Qp1 to 4 = Quartzite Packages
Cross Section
0 200 400
metres
Scale 1:10,000

595,000 mE
596,000 mE
597,000 mE
598,000 mE
599,000 mE
600,000 mE
601,000 mE
5,446,000 mN
5,445,000 mN
5,444,000 mN
5,443,000 mN
5,442,000 mN

Kootenay Silver Inc.	
Date: 19/1/2017	Yahk Ridge South Geology
Author:	
Office:	
Drawing:	
Scale: 1:10000	Projection: UTM Zone 11 (NAD 83)

0 125 250 500 metres

N

Legend

- Gabbro
- Kitchener Fm
- C3 Transition (Lower Kitchener)
- Upper Creston-C3/Pc3
- Middle Creston-C2/Pc2
- Quartzite dominated sequence
- Lower Creston-C1/Pc1
- Upper Aldridge-UA/Pa3
- Middle Aldridge-MU/Pa2
- Geological Contact (defined, approximate, assumed)
- Reverse Fault
- Normal Fault
- Anticline
- Syncline
- Bedding, inclined
- Bedding, vertical
- Bedding Horizontal
- Cleavage
- Vein

- Geology Station
- Float
- Cu Copper in outcrop/subcrops
- Pb Lead in outcrop/subcrops
- Road system
- Rivers and Streams
- Minor Contours
- Major Contours
- Parks
- Lakes

Lithologies:
Q=Quartzite
S = Siltstone
A = Argillite
Th.B = Thick bedded
m.b. = medium bedded
t.b. = thin bedded
rw = rusty weathering
bx = breccia
mag = magnetite
Qv = quartz vein
Qp1 to 4 = Quartzite Packages
Cross Section

0 200 400 metres

Scale 1:10,000

Legend

- Gabbro
- Kitchener Fm
- C3 Transition (Lower Kitchener)
- Upper Creston-C3/Pc3
- Middle Creston-C2/Pc2
  - Middle Creston Subdivisions
    - Thin-medium bedded S+Q, green-grey
    - Thin-thick bedded A-S-Q — coarse grained Q
    - Thin-thick bedded Q+S, grey-green
    - M-thick bedded, grey Q
- Lower Creston-C1/Pc1
- Upper Aldridge-UA/Pa3
- Middle Aldridge-MU/Pa2
- Geological Contact (defined, approximate, assumed)
- Reverse Fault
- Normal Fault
- Anticline
- Syncline
- Bedding, inclined
- Bedding, vertical
- Bedding Horizontal
- Cleavage
- Vein

- Geology Station
- Float
- Cu — Copper in outcrop/subcrops
- Pb — Lead in outcrop/subcrops
- Road system
- Rivers and Streams
- Minor Contours
- Major Contours
- Parks
- Lakes

Lithologies:

Q=Quartzite

S = Siltstone

A = Argillite

Th.B = Thick bedded

m.b. = medium bedded

t.b. = thin bedded

rw = rusty weathering

bx = breccia

mag = magnetite

Qv = quartz vein

Qp1 to 4 = Quartzite Packages

c.g.Q=coarse grained qtzite

- Cross Section

0 200 400 metres — Scale 1:10,000

Kootenay Silver Inc.	
Date:24/1/2017	Ward Area Geology
Author:	
Office:	
Drawing:	
Scale: 1:5000	Projection: UTM Zone 11 (NAD 83)

0 75 150 300 metres

601,000 mE · 602,000 mE · 603,000 mE · 604,000 mE

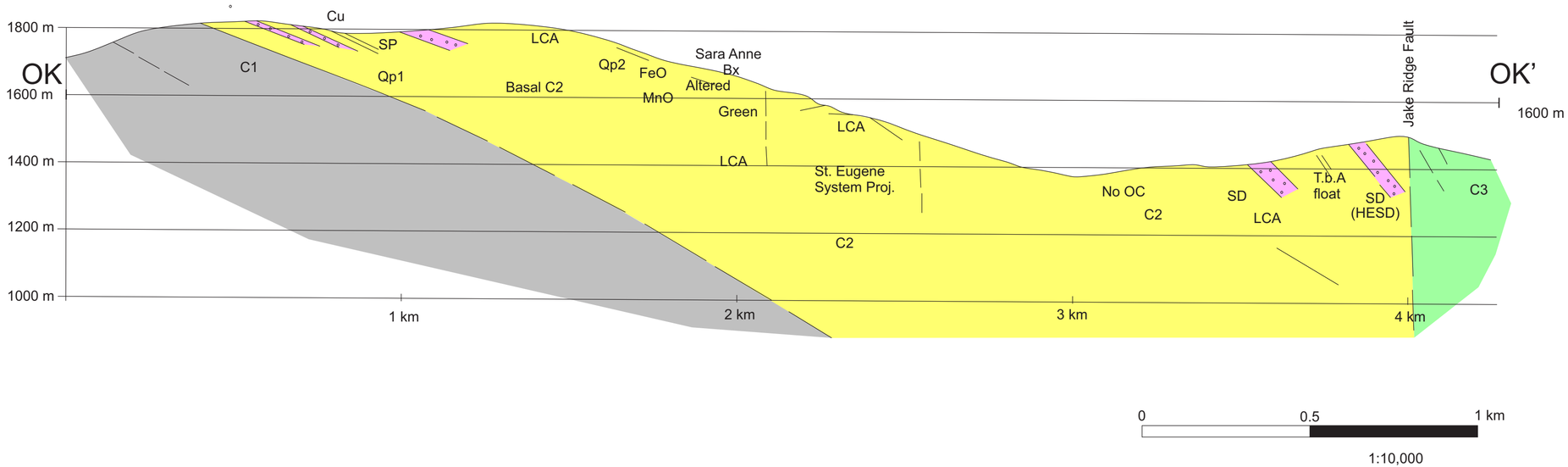
5,440,000 mN · 5,439,000 mN · 5,438,000 mN · 5,437,000 mN · 5,436,000 mN

Silverfox Property
Cross Section

OK-OK’

Legend

- Gabbro
- Kitchener Fm
- C3 Transition (Lower Kitchener)
- Upper Creston-C3/Pc3
- Middle Creston-C2/Pc2
- Quartzite dominated sequence
- Lower Creston-C1/Pc1
- Upper Aldridge-UA/Pa3
- Middle Aldridge-MU/Pa2

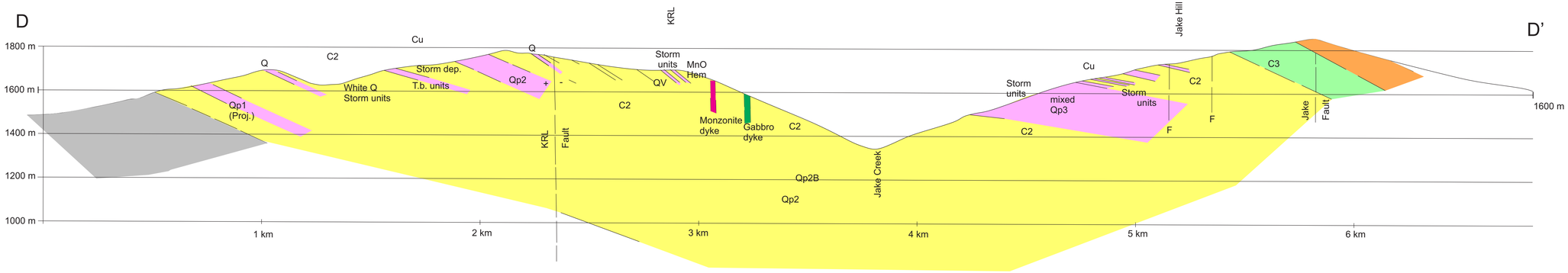


Silverfox Property
Cross Section

D-D’

Legend

- Gabbro
- Kitchener Fm
- C3 Transition (Lower Kitchener)
- Upper Creston-C3/Pc3
- Middle Creston-C2/Pc2
- Quartzite dominated sequence
- Lower Creston-C1/Pc1
- Upper Aldridge-UA/Pa3
- Middle Aldridge-MU/Pa2

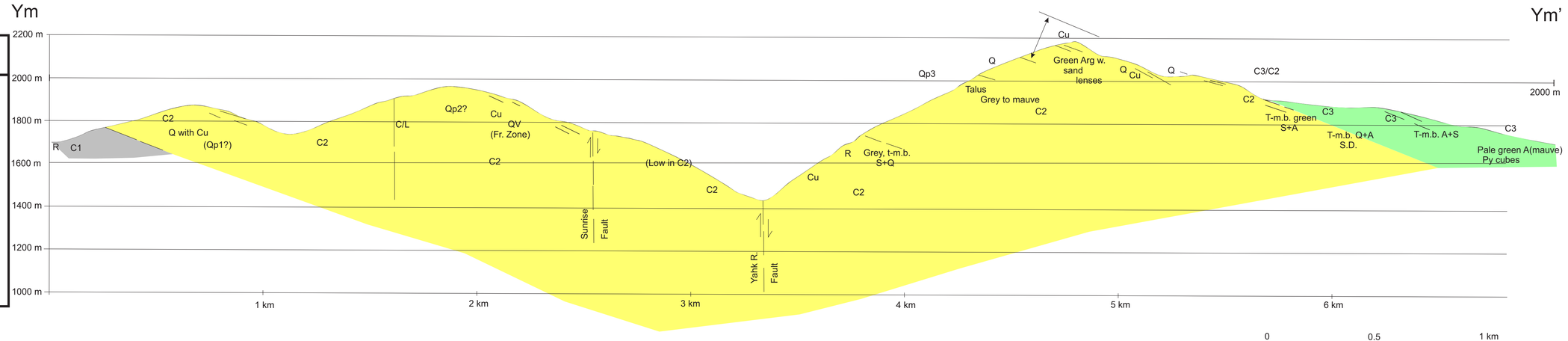


Silverfox Property
Cross Section

Ym-Ym’

Legend

- Gabbro
- Kitchener Fm
- C3 Transition (Lower Kitchener)
- Upper Creston-C3/Pc3
- Middle Creston-C2/Pc2
- Quartzite dominated sequence
- Lower Creston-C1/Pc1
- Upper Aldridge-UA/Pa3
- Middle Aldridge-MU/Pa2

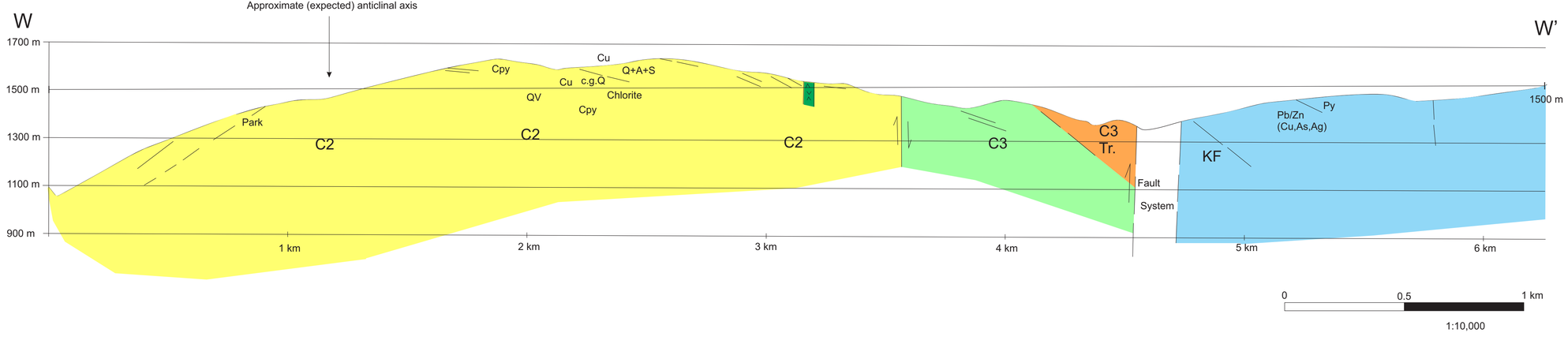


Silverfox Property
Cross Section

W-W'

Legend

- Gabbro
- Kitchener Fm
- C3 Transition (Lower Kitchener)
- Upper Creston-C3/Pc3
- Middle Creston-C2/Pc2
- Quartzite dominated sequence
- Lower Creston-C1/Pc1
- Upper Aldridge-UA/Pa3
- Middle Aldridge-MU/Pa2



N

585,000 mE
590,000 mE
595,000 mE
600,000 mE
605,000 mE

5,465,000 mN
5,460,000 mN
5,455,000 mN
5,450,000 mN
5,445,000 mN
5,440,000 mN
5,435,000 mN

See Barkshanty Area Maps

See Yahk Ridge Area Map

See Ranger Lake Area Map

See Ward Area Map

1,045,019
1,031,154
1,020,525
1,019,579
999,062
1,019,682
1,022,509
514,019
505,101
1,030,808
1,019,533
986,838
1,030,775
1,030,774
986,834
835,953
515,408
835,848
1,030,811
519,048
519,022
1,030,687
1,030,773
1,030,689
1,030,691
1,045,018
1,030,765
1,030,770
1,030,769
1,030,772
835,425
835,426
835,955
836,272
836,270
1,030,834
836,269
1,030,810
1,037,431
1,037,432
1,037,433
1,037,434

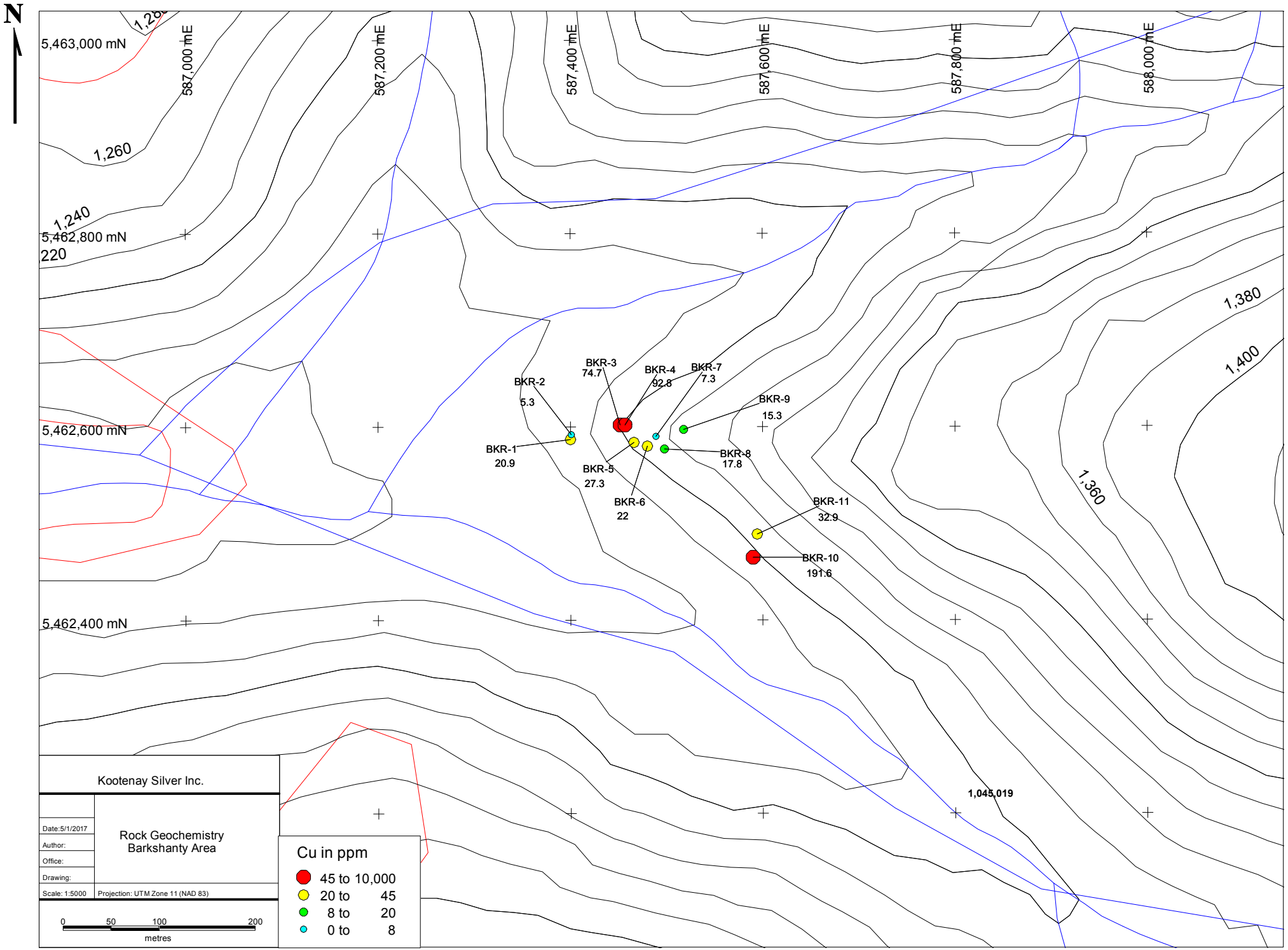
Kootenay Silver Inc.

	Rock Geochemistry Overview Map Showing Boundaries of Detailed Geochemical Maps
Date:5/1/2017	
Author:	
Office:	
Drawing:	
Scale: 1:50000	Projection: UTM Zone 11 (NAD 83)

0 1.5 3
kilometres

Legend

- Rock Sample Location
- Road
- Creek/River
- Park Boundary


N
5,463,000 mN
587,000 mE
587,200 mE
587,400 mE
587,600 mE
587,800 mE
588,000 mE
1,260
1,240
5,462,800 mN
220
1,380
1,400
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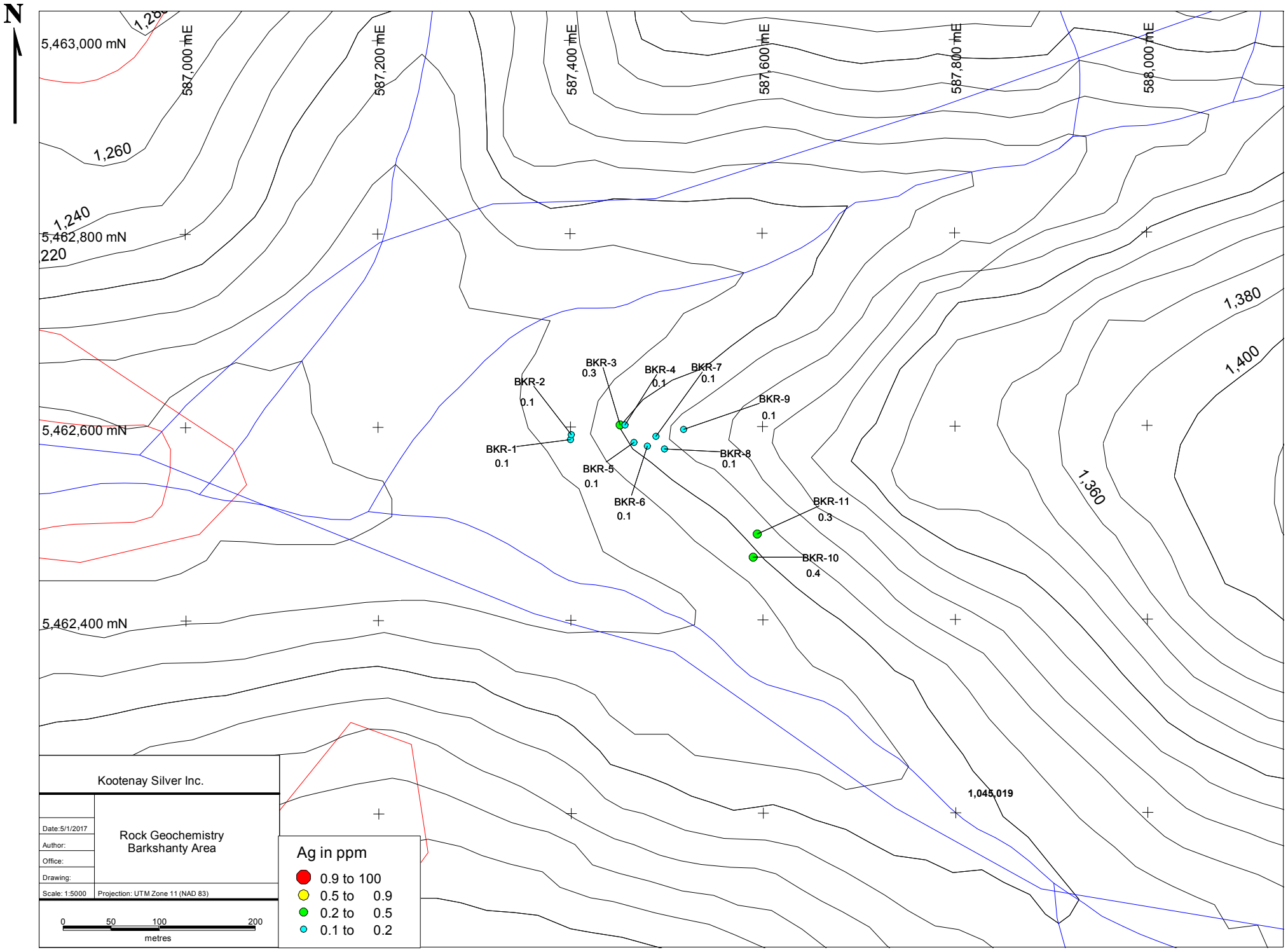
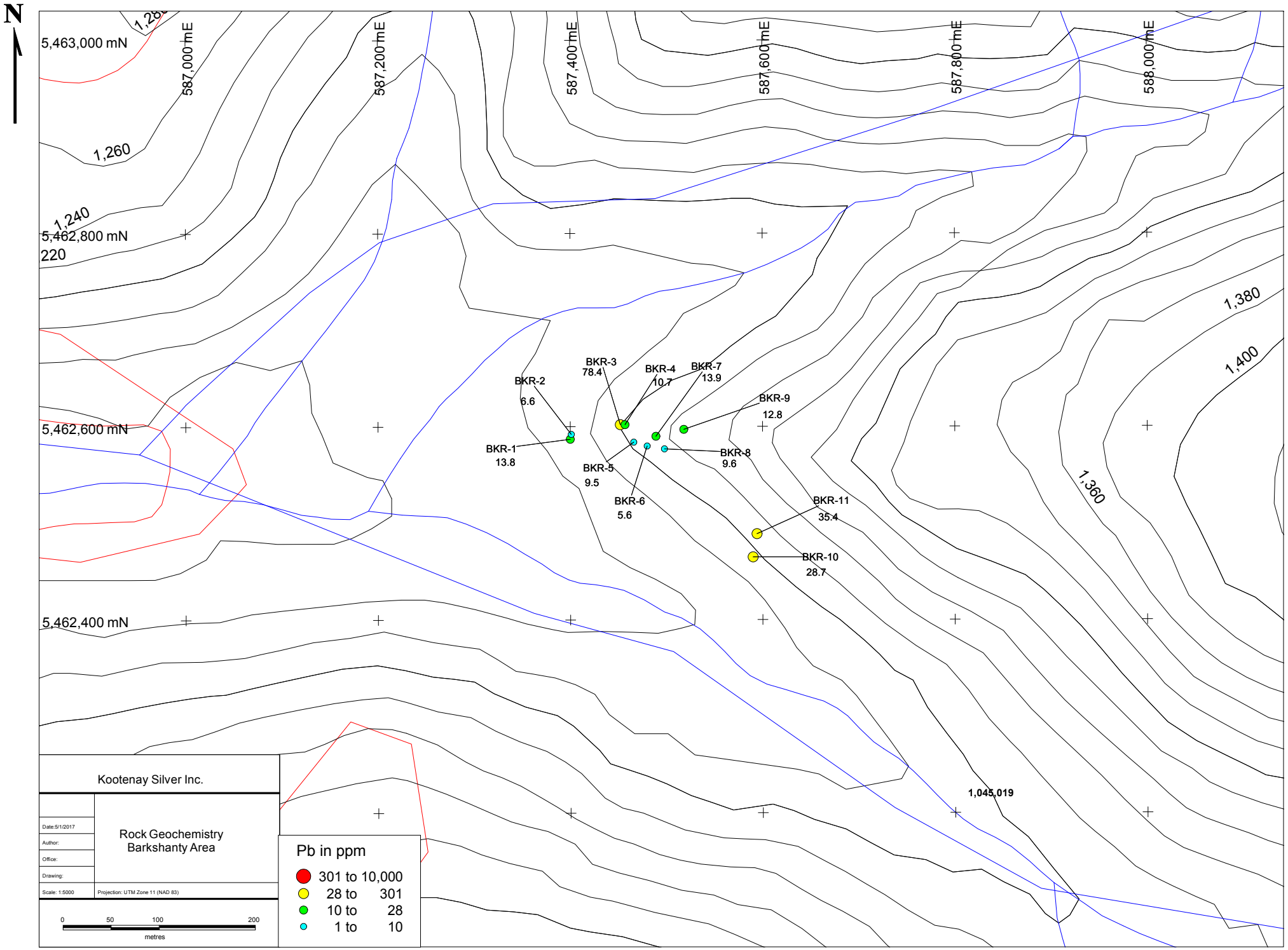
1,360
BKR-1
20.9
BKR-2
5.3
BKR-3
74.7
BKR-4
92.8
BKR-5
27.3
BKR-6
22
BKR-7
7.3
BKR-8
17.8
BKR-9
15.3
BKR-10
191.6
BKR-11
32.9
5,462,400 mN
1,045,019
Kootenay Silver Inc.
Date:5/1/2017
Author:
Office:
Drawing:
Scale: 1:5000
Rock Geochemistry
Barkshanty Area
Projection: UTM Zone 11 (NAD 83)
0
50
100
200
metres
Cu in ppm
45 to 10,000
20 to 45
8 to 20
0 to 8


N
5,463,000 mN
587,000 mE
587,200 mE
587,400 mE
587,600 mE
587,800 mE
588,000 mE
1,260
1,240
5,462,800 mN
220
1,380
1,400
5,462,600 mN
1,360
BKR-1
0.1
BKR-2
0.1
BKR-3
0.3
BKR-4
0.1
BKR-5
0.1
BKR-6
0.1
BKR-7
0.1
BKR-8
0.1
BKR-9
0.1
BKR-10
0.4
BKR-11
0.3
5,462,400 mN
1,045,019
Kootenay Silver Inc.
Rock Geochemistry
Barkshanty Area
Date:5/1/2017
Author:
Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)
0
50
100
200
metres
Ag in ppm
0.9 to 100
0.5 to 0.9
0.2 to 0.5
0.1 to 0.2


N
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587,000 mE
587,200 mE
587,400 mE
587,600 mE
587,800 mE
588,000 mE
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220
1,380
1,400
5,462,600 mN
1,360
5,462,400 mN
BKR-1
13.8
BKR-2
6.6
BKR-3
78.4
BKR-4
10.7
BKR-5
9.5
BKR-6
5.6
BKR-7
13.9
BKR-8
9.6
BKR-9
12.8
BKR-10
28.7
BKR-11
35.4
1,045,019
Kootenay Silver Inc.
Rock Geochemistry
Barkshanty Area
Date:5/1/2017
Author:
Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)
0
50
100
200
metres
Pb in ppm
301 to 10,000
28 to 301
10 to 28
1 to 10

N

5,453,000 mN
582,000 mE
593,000 mE
594,000 mE
595,000 mE
596,000 mE
5,452,000 mN
5,451,000 mN
5,450,000 mN
5,449,000 mN
5,448,000 mN
5,447,000 mN
5,446,000 mN

MK16-04 5.8
MK16-05 28.5
1,030,687
DA16-58 15.5
1,030,7
DA16-54 2.4
DA16-55 1.7
DA16-67 2.3
DA16-65A 2.4
DA16-63 3.0
MK16-06 121.6
TK16-122 4.5
TK16-121 2.3
TK16-120 4.9
TK16-123 3.9
TK16-124 12.9
TK16-119 11.7
TK16-118 13.2
TK16-117 5
TK16-116 11.8
1,030,689
MK16-07 170.8
1,030,691
DA16-88 42.8
TK16-115 8.2
TK16-014 316
1,045,018
SK16-46 2.2
TK16-006 36.6
SK16-47 166.2
MK16-02 255
TK16-009 838.2
TK16-008 3,112.5
MK16-03 125.9
TK16-007 1,020.5
TK16-012 291.4
SK16-31 6.7
TK16-013 10
TK16-010 424.2
TK16-011 1,433
TK16-108 72.6
TK16-109 4
2,140
2,160
2,180
2,120
MK16-47 3.2
SK16-90 2.1
SK16-89 1.6
SK16-94 1.6
SK16-93 1.9
SK16-92 2
SK16-91 1.3
SK16-88 3.8
TK16-151 1.6
SK16-41 64
MK16-48 1.7
TK16-150 1.6
SK16-42 613.3
MK16-49 2.5
TK16-152 3.3
TK16-155 1.5
TK16-154 1.3
SK16-44 4
TK16-173 1.8
TK16-172 1.3
TK16-153 2.6
SK16-43 21.4
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TK16-156 0.9
TK16-149 11.7
TK16-158 1.6
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TK16-163 2.4
TK16-159 1.8
TK16-160 2.8
TK16-162 1.7
TK16-164 2.2
1,580
1,640
1,540
1,520
1,480
1,460
1,440
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1,740
1,490
1,360
1,380
1,420
TK16-114
1,500
1,600
1,660
1,560
1,620
1,720
1,880
1,900
2,020
SK16-98 1.5
TK16-015 5.7
MK16-55 10.5
TK16-018 5.1
TK16-017 4.1
SK16-48 3.4
TK16-022 3.1
TK16-016 6.9
MK16-54 5.7
TK16-019 4.8
SK16-52 3.7
SK16-49 4.3
SK16-39 3.1
TK16-020 2.4
SK16-40 3
SK16-51 5.1
SK16-50 2.6
1,780
1,830
1,700
MK16-53 6.4
TK16-021 2.6
TK16-165 0.9
SK16-96 1.3
MK16-50 1.9
MK16-51 4
SK16-95 1.1
SK16-97 0.8
MK16-52 9.4
TK16-169 4.8
TK16-167 8.6
TK16-171 3.1
2,060
TK16-166 7.8
TK16-168 4.7
TK16-170 3.5
1,920
1,940
2,060
2,000
2,040
1,860
TK16-128 8.1
TK16-129 3.1
TK16-127 6
TK16-135 23.8
1,980
TK16-130 9.8
TK16-126 2.8
TK16-125 2.3
SK16-84 9.1
TK16-134 18.1
TK16-131 5.1
1,030,771
TK16-133 11.6
TK16-132 11.2
Mk16-41 1,631.6
2,100
2,080

Kootenay Silver Inc.

	Rock Geochemistry Yahk Ridge Area
Date:5/1/2017	
Author:	
Office:	
Drawing:	
Scale: 1:10000	Projection: UTM Zone 11 (NAD 83)

Cu in ppm
- 45 to 10,000
- 20 to 45
- 8 to 20
- 0 to 8

0 125 250 500
metres

N

592,000 mE
593,000 mE
594,000 mE
595,000 mE
596,000 mE

5,452,000 mN
5,451,000 mN
5,450,000 mN
5,449,000 mN
5,448,000 mN
5,447,000 mN
5,446,000 mN

1,030,687
1,030,689
1,030,691
1,045,018
1,030,770
1,030,771

Mk16-04 0.1
Mk16-05 0.1
DA16-58 0.1
DA16-54 0.1
DA16-55 0.1
DA16-67 0.1
DA16-65A 0.1
DA16-63 0.1
Mk16-08 0.4
Mk16-07 0.5
TK16-122 0.1
TK16-121 0.1
TK16-123 0.1
TK16-120 0.1
TK16-124 0.1
TK16-119 0.1
TK16-118 0.1
DA16-88 0.2
TK16-117 0.1
TK16-116 0.1
TK16-115 0.1
TK16-014 0.4
TK16-012 0.5
SK16-31 0.1
TK16-013 0.1
TK16-010 1.8
TK16-011 3.5
SK16-46 0.1
TK16-006 0.1
SK16-47 0.1
Mk16-02 1
TK16-009 4.9
TK16-008 8.4
Mk16-03 0.2
TK16-007 1.5
TK16-108 0.1
TK16-109 0.1
TK16-114
SK16-89 0.1
SK16-94 0.1
SK16-90 0.1
SK16-93 0.1
Mk16-47 0.1
SK16-92 0.1
SK16-91 0.1
SK16-88 0.1
Mk16-48 0.1
Mk16-49 0.1
TK16-151 0.1
SK16-41 0.1
TK16-150 0.1
SK16-42 1.5
TK16-152 0.1
TK16-155 0.1
TK16-154 0.1
TK16-153 0.1
SK16-43 0.1
SK16-44 0.1
TK16-173 0.1
TK16-172 0.1
TK16-161 0.1
TK16-156 0.1
TK16-149 0.1
TK16-158 0.1
TK16-157 0.1
TK16-163 0.1
TK16-159 0.1
TK16-160 0.1
TK16-162 0.1
TK16-164 0.1
SK16-98 0.1
TK16-015 0.1
Mk16-55 0.1
TK16-018 0.1
TK16-017 0.1
SK16-48 0.1
TK16-022 0.1
TK16-016 0.1
Mk16-54 0.1
TK16-019 0.1
SK16-49 0.1
SK16-52 0.1
SK16-39 0.1
TK16-020 0.1
SK16-51 0.1
SK16-40 0.1
SK16-50 0.1
Mk16-53 0.1
TK16-021 0.1
TK16-165 0.1
SK16-96 0.1
Mk16-50 0.1
Mk16-51 0.1
SK16-95 0.1
SK16-97 0.1
Mk16-52 0.1
TK16-169 0.1
TK16-171 0.1
TK16-167 0.1
TK16-166 0.1
TK16-168 0.1
TK16-170 0.1
TK16-128 0.1
TK16-129 0.1
TK16-127 0.1
TK16-135 0.1
TK16-126 0.1
TK16-130 0.1
TK16-125 0.1
SK16-84 0.1
TK16-134 0.1
TK16-131 0.1
TK16-133 0.1
TK16-132 0.1
Mk16-41 3.6

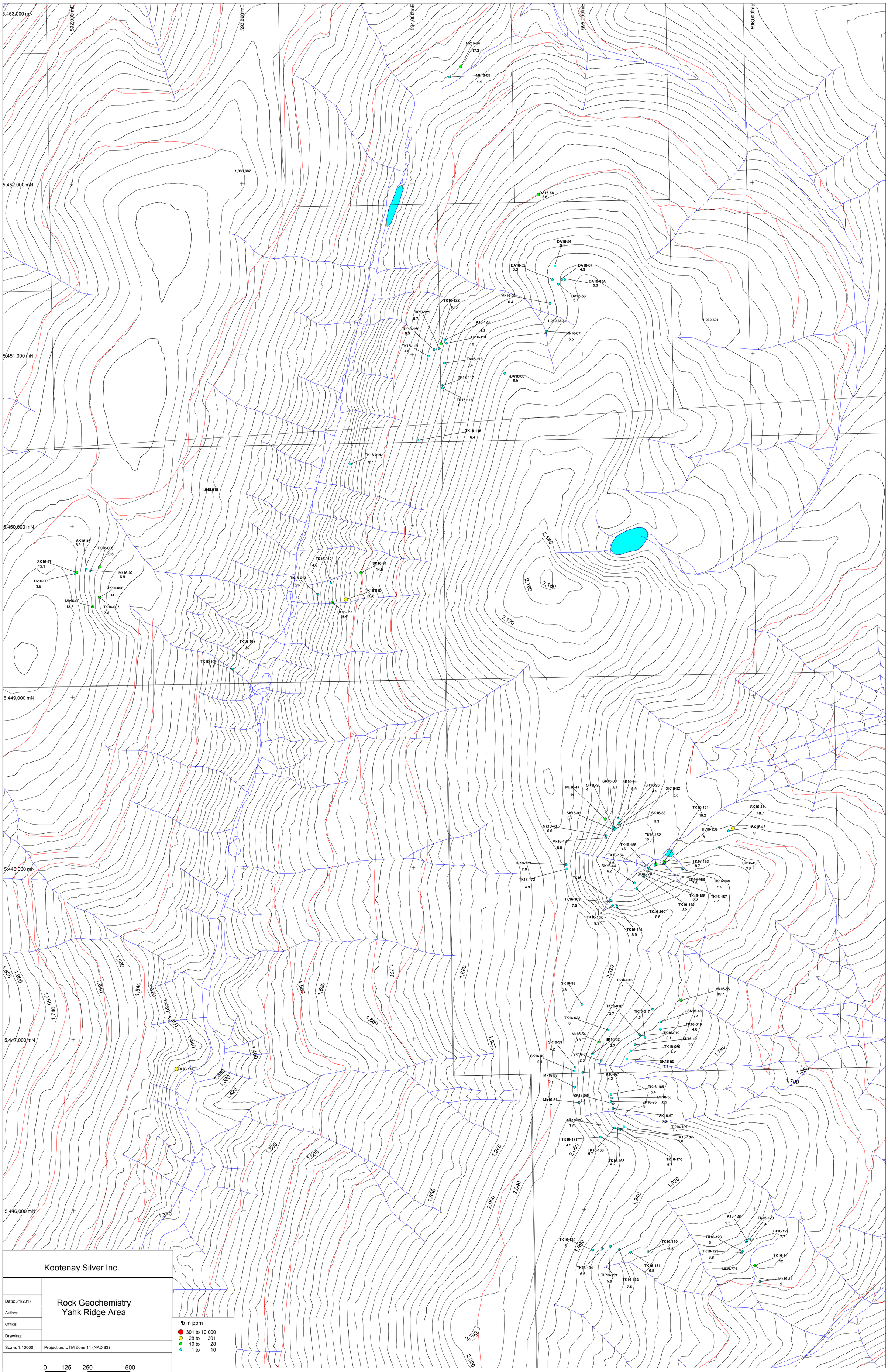
1,340 1,360 1,380 1,400 1,420 1,440 1,460 1,480 1,500 1,520 1,540 1,560 1,580 1,600 1,620 1,640 1,660 1,680 1,700 1,720 1,740 1,760 1,780 1,800 1,820 1,840 1,860 1,880 1,900 1,920 1,940 1,960 1,980 2,000 2,020 2,040 2,060 2,080 2,100 2,120 2,140 2,160 2,180

Kootenay Silver Inc.

	Rock Geochemistry Yahk Ridge Area
Date:5/1/2017	
Author:	
Office:	
Drawing:	
Scale: 1:10000	Projection: UTM Zone 11 (NAD 83)

0 125 250 500
metres

Ag in ppm
- 0.9 to 100
- 0.5 to 0.9
- 0.2 to 0.5
- 0.1 to 0.2


592,000mE
593,000mE
594,000mE
595,000mE
596,000mE
5,453,000 mN
5,452,000 mN
5,451,000 mN
5,450,000 mN
5,449,000 mN
5,448,000 mN
5,447,000 mN
5,446,000 mN
1,030,687
1,030,689
1,030,691
1,045,018
1,030,770
1,030,771
MK16-04 17.3
MK16-05 4.4
DA16-58 3.5
DA16-54 5.1
DA16-55 3.3
DA16-67 4.9
DA16-65A 5.3
DA16-63 6.7
MK16-06 6.4
TK16-122 10.3
TK16-121 9.7
TK16-120 9.5
TK16-119 4.5
TK16-123 6.3
TK16-124 6
MK16-07 6.5
TK16-118 8.4
DA16-88 8.5
TK16-117 4
TK16-116 6
TK16-115 6.4
TK16-014 9.7
SK16-46 3.9
TK16-006 20.5
SK16-47 12.3
MK16-02 6.9
TK16-009 3.6
TK16-008 14.8
MK16-03 13.2
TK16-007 7.3
TK16-012 4.9
SK16-31 14.5
TK16-013 6.6
TK16-010 29.8
TK16-011 12.4
TK16-108 3.3
TK16-109 3.8
TK66-114
SK16-98 3.8
TK16-015 8.1
MK16-55 19.7
TK16-018 3.7
TK16-017 4.5
SK16-48 7.4
TK16-022 6
TK16-016 4.6
MK16-54 10.3
SK16-52 2.7
TK16-019 6.1
SK16-49 5.9
SK16-39 4.2
TK16-020 4.2
SK16-40 5.1
SK16-51 2.3
SK16-50 5.3
MK16-53 5.7
TK16-021 4.2
TK16-165 5.4
SK16-96 3.7
MK16-50 5.2
MK16-51 7
SK16-95 5
SK16-97 7.3
MK16-52 7.9
TK16-169 4.4
TK16-167 5.6
TK16-171 4.5
TK16-166 5.7
TK16-168 4.2
TK16-170 6.7
MK16-47 14
SK16-90 4
SK16-89 8.8
SK16-94 5.9
SK16-93 4.2
SK16-92 5.6
SK16-91 8.7
SK16-88 5.3
TK16-151 10.2
SK16-41 40.7
MK16-48 6.6
TK16-150 8
SK16-42 9
MK16-49 8.8
TK16-152 10
TK16-155 8.5
TK16-154 5.6
SK16-44 6.2
TK16-153 8.7
SK16-43 7.2
TK16-173 7.6
TK16-172 4.9
TK16-161 6
TK16-156 7.6
TK16-149 5.2
TK16-158 6.6
TK16-157 7.2
TK16-163 7.5
TK16-159 3.5
TK16-160 8.6
TK16-162 8.3
TK16-164 8.9
TK16-128 5.5
TK16-129 4
TK16-127 7.7
TK16-126 6
TK16-135 6
TK16-130 6.5
TK16-125 6.8
SK16-84 12
TK16-134 6.5
TK16-131 6.9
TK16-133 5.4
TK16-132 7.5
MK16-41 9
1,820
1,800
1,760
1,740
1,640
1,580
1,540
1,520
1,480
1,460
1,440
1,490
1,360
1,380
1,420
1,340
1,500
1,600
1,660
1,560
1,620
1,720
1,880
1,900
2,020
2,140
2,160
2,180
2,120
1,760
1,680
1,700
1,960
2,040
2,000
1,860
1,940
1,920
2,060
1,980
2,100
2,080
Kootenay Silver Inc.
Rock Geochemistry
Yahk Ridge Area
Date:5/1/2017
Author:
Office:
Drawing:
Scale: 1:10000
Projection: UTM Zone 11 (NAD 83)
Pb in ppm
301 to 10,000
28 to 301
10 to 28
1 to 10
0 125 250 500
metres

N

5,443,000 mN

5,442,500 mN

5,442,000 mN

599,500 mE

600,000 mE

600,500 mE

601,000 mE

1,220

1,260

1,300

1,160

TK16-030
4.1

SK16-56
332.7

TK16-028
4.2

TK16-029
2.6

TK16-027
3

SK16-55
3.9

SK16-26
7.1

TK16-025
112.7

SK16-54
347.6

TK16-026
11.2

TK16-024
120

TK16-023
3.2

SK16-53
302.2

Cu in ppm

45	to	10,000
20	to	45
8	to	20
0.5	to	8

Kootenay Silver Inc.

Rock Geochemistry
Ranger Lake Area

Date: 5/1/2017
Author:
Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)

0 50 100 200
metres

N

599,500 mE

600,000 mE

600,500 mE

601,000 mE

5,443,000 mN

5,442,500 mN

5,442,000 mN

1,220

1,260

1,300

1,160

TK16-030

SK16-56
0.6

TK16-028
0.1

TK16-029
0.1

TK16-027
0.1

SK16-55
0.2

SK16-26
0.1

TK16-025
0.5

SK16-54
0.3

TK16-026
0.1

TK16-024
1.2

TK16-023
0.1

SK16-53
1.8

Ag in ppm

- 0.9 to 100
- 0.5 to 0.9
- 0.2 to 0.5
- 0.1 to 0.2

Kootenay Silver Inc.

Rock Geochemistry
Ranger Lake Area

Date: 5/1/2017
Author:
Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)

0 50 100 200
metres

N

599,500 mE

600,000 mE

600,500 mE

601,000 mE

5,443,000 mN

5,442,500 mN

5,442,000 mN

1,220

1,260

1,300

1,160

TK16-030
12.2

SK16-56
13

TK16-028
5.3

TK16-029
18

TK16-027
13.2

SK16-55
23.6

SK16-26
6.7

TK16-025
59.7

SK16-54
31.1

TK16-026
12.4

TK16-024
183

TK16-023
3.5

SK16-53
778.5

Pb in ppm

302 to	10,000
28 to	301
10 to	28
1 to	10

Kootenay Silver Inc.

Rock Geochemistry
Ranger Lake Area

Date: 5/1/2017
Author:
Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)

0 50 100 200
metres

N
600,500 mE
601,000 mE
601,500 mE
602,000 mE
602,500 mE
603,000 mE
603,500 mE
604,000 mE
604,500 mE
5,438,000 mN
5,437,500 mN
5,437,000 mN
5,436,500 mN
5,436,000 mN
5,435,500 mN
Kootenay Silver Inc.
Rock Geochemistry
Ward Area
Date:4/1/2017
Author:
Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)
Cu in ppm
45 to 10,000
20 to 45
8 to 20
0.5 to 8
0 75 150 300
metres

N

5,438,000 mN
5,437,500 mN
5,437,000 mN
5,436,500 mN
5,436,000 mN
5,435,500 mN

600,000 mE
601,000 mE
601,500 mE
602,000 mE
602,500 mE
603,000 mE
603,500 mE
604,000 mE
604,500 mE

1,600
1,560
1,620
1,580
1,640
1,500
1,480
1,440
1,400
1,360
1,340
1,320
1,380
1,460
1,420
1,300
1,280
1,720
1,780
1,760
1,740

TK16-074 0.1
TK16-072 0.1
TK16-071 0.1
TK16-073 0.1
TK16-070 0.1
TK16-069 0.1
TK16-060 0.1
TK16-068 0.1
TK16-059 0.1
TK16-000 0.1
SK16-83 0.5
TK16-064 0.1
TK16-061 0.1
TK16-065 0.1
TK16-063 0.1
TK16-062 0.2
TK16-058 0.1
SK16-87 0.1
SK16-86 1.4
Mk16-46 0.1
TK16-050 0.1
TK16-051 0.1
Mk16-44 0.1
SK16-85 0.1
Mk16-45 0.1
TK16-057 0.1
TK16-056 0.1
Mk16-15 0.4
TK16-055 0.1
SK16-76 0.4
SK16-82 4
TK16-052 0.1
SK16-80 0.1
SK16-79 0.1
SK16-81 0.1
SK16-75 1.1
DA16-106 2.1
TK16-053 0.1
TK16-048 0.1
TK16-049 0.1
TK16-047 0.2
Mk16-11 0.1
SK16-74 0.1
TK16-054 0.1
Mk16-12 0.1
TK16-046 0.1
Mk16-08 0.1
TK16-031 0.1
Mk16-13 0.1
TK16-045 0.1
SK16-57 0.2
SK16-58 0.3
Mk16-14 0.1
TK16-032 0.1
DA16-120 10.9
SK16-59 0.1
TK16-044 0.1
Mk16-10 0.1
TK16-043 0.1
Mk16-09 0.2
TK16-042 0.1
TK16-034 0.1
TK16-040 0.1
SK16-60 0.1
TK16-041 0.1
TK16-033 0.1
TK16-039 0.1
TK16-036 0.1
TK16-035 0.1
TK16-038 0.1
TK16-037 0.1
TK16-087 0.1
TK16-086 0.1
SK16-69 0.2
SK16-67 0.1
SK16-68 0.1
TK16-089 0.1
TK16-088 0.1
SK16-66 0.1
TK16-085 0.1
TK16-079 0.1
Mk16-24 0.1
TK16-084 0.1
TK16-077 0.1
TK16-078 0.1
TK16-083 0.1
TK16-082 0.1
SK16-65 0.1
TK16-080 0.1
TK16-081 0.1
TK16-075 0.1
TK16-076 0.1
Mk16-23 0.2
Mk16-19 0.2
TK16-095 0.1
Mk16-22 0.9
TK16-094 0.1
Mk16-21 0.9
Mk16-20 0.4
SK16-64 0.2
Mk16-27 0.1
TK16-090 0.1
SK16-63 0.1
TK16-092 0.1
SK16-70 0.1
Mk16-17 0.1
TK16-093 0.1
TK16-091 0.7
Mk16-18 1.6
SK16-61 0.1
SK16-62 0.1
Mk16-25 0.1
Mk16-26 0.1
TK16-136 0.1
TK16-137 0.2
TK16-138 0.1
TK16-139 0.1
Mk16-16 0.1
TK16-140 0.1
TK16-141 0.1
SK16-77
TK16-144 0.1
TK16-145 0.1
TK16-142 0.1
TK16-148 0.1
TK16-147 0.1
TK16-143 0.1
TK16-146 0.1
SK16-78 4.1
TK16-102 0.1
TK16-104 0.1
TK16-105 0.1
TK16-103 0.1
TK16-101 0.1
TK16-107 0.1
TK16-106 0.1
TK16-100 0.1
TK16-098 0.1
SK16-73 0.1
TK16-099 0.1
TK16-097 0.1
TK16-096 0.1
Mk16-31 0.1
Mk16-29 0.1
SK16-72 0.1
Mk16-28 0.1
SK16-71 0.1
TK16-10 0.1
SK16-11 0.1
SK16-1 0.2
SK16-12 0.3
SK16-2 0.1
SK16-4 0.1
1,037,431
SK16-5 0.8
SK16-3 0.3
SK16-6 2
SK16-7 0.1
SK16-8 0.1
SK16-9 0.1

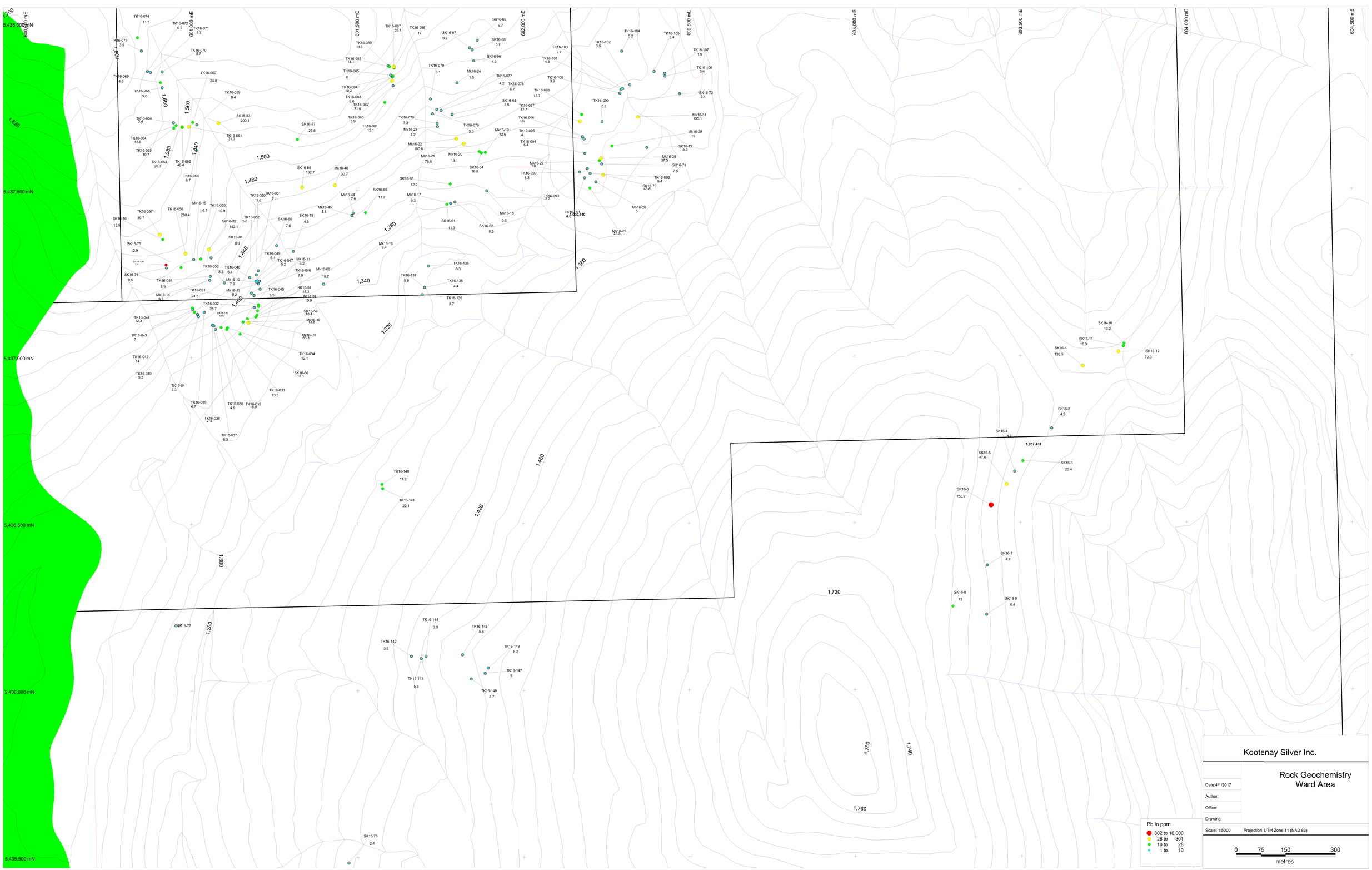
Ag in ppm
- 0.9 to 100
- 0.5 to 0.9
- 0.2 to 0.5
- 0.1 to 0.2

Kootenay Silver Inc.

Rock Geochemistry
Ward Area

Date: 4/1/2017
Author:
Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)

0 75 150 300
metres


N
600,000 mE
601,000 mE
601,500 mE
602,000 mE
602,500 mE
603,000 mE
603,500 mE
604,000 mE
604,500 mE
5,438,000 mN
5,437,500 mN
5,437,000 mN
5,436,500 mN
5,436,000 mN
5,435,500 mN
1,100
1,200
1,300
1,400
1,500
1,600
1,620
1,640
1,560
1,580
1,480
1,440
1,420
1,380
1,360
1,340
1,320
1,460
1,280
1,720
1,740
1,760
1,780
TK16-074 11.5
TK16-072 6.2
TK16-071 7.7
TK16-073 3.9
TK16-070 5.7
TK16-069 14.6
TK16-060 24.8
TK16-068 9.6
TK16-059 9.4
TK16-000 3.4
SK16-83 200.1
SK16-87 26.5
TK16-064 13.8
TK16-061 31.3
TK16-065 10.7
TK16-063 26.7
TK16-062 46.4
TK16-058 8.7
TK16-087 55.1
TK16-086 17
TK16-089 8.3
TK16-088 18.1
TK16-085 8
TK16-084 10.2
TK16-083 9.6
TK16-082 31.6
TK16-080 5.9
TK16-081 12.1
TK16-075 7.3
Mk16-23 7.2
Mk16-22 100.6
Mk16-21 76.6
Mk16-20 13.1
SK16-69 9.7
SK16-67 3.2
SK16-68 5.7
SK16-66 4.3
TK16-079 3.1
Mk16-24 1.5
TK16-077 4.2
TK16-078 6.7
SK16-65 5.5
TK16-097 47.7
TK16-096 8.6
TK16-076 5.3
Mk16-19 12.6
TK16-095 4
TK16-094 6.4
Mk16-27 10
TK16-090 8.8
SK16-64 16.8
SK16-63 12.2
Mk16-17 9.3
SK16-61 11.3
SK16-62 8.5
Mk16-18 9.5
TK16-091 4.8
TK16-093 3.2
TK16-092 9.4
SK16-70 43.6
SK16-71 7.5
SK16-72 5.3
Mk16-28 37.5
Mk16-29 19
Mk16-31 135.1
TK16-099 5.8
TK16-098 13.7
TK16-100 3.9
TK16-101 4.5
TK16-103 2.7
TK16-102 3.5
TK16-104 5.2
TK16-105 9.4
TK16-107 1.9
TK16-106 3.4
SK16-73 3.4
Mk16-26 5
Mk16-25 23.9
SK16-86 192.7
Mk16-46 30.7
TK16-050 7.6
TK16-051 7.1
Mk16-44 7.6
SK16-85 11.2
Mk16-45 3.8
SK16-79 4.5
SK16-80 7.6
SK16-82 142.1
TK16-052 5.6
Mk16-15 6.7
TK16-055 10.9
TK16-056 288.4
TK16-057 39.7
SK16-76 12.5
SK16-81 8.6
SK16-75 12.9
TK16-049 6.1
TK16-047 5.2
Mk16-11 6.2
TK16-046 7.9
Mk16-08 18.7
TK16-053 8.2
TK16-048 6.4
Mk16-12 7.9
SK16-74 9.5
TK16-054 6.9
TK16-031 21.5
Mk16-13 5.2
TK16-045 3.5
SK16-57 18.3
SK16-58 10.9
Mk16-14 9.2
TK16-032 25.7
SK16-59 13.4
Mk16-10 13.8
TK16-044 12.3
TK16-043 7
Mk16-09 63.3
TK16-042 14
TK16-034 12.1
TK16-040 9.3
SK16-60 13.1
TK16-041 7.3
TK16-033 13.5
TK16-039 6.7
TK16-036 4.9
TK16-035 16.9
TK16-038 7.3
TK16-037 6.3
Mk16-16 9.4
TK16-136 8.3
TK16-137 5.9
TK16-138 4.4
TK16-139 3.7
TK16-140 11.2
TK16-141 22.1
SK16-77
TK16-144 3.9
TK16-145 5.8
TK16-142 3.8
TK16-148 8.2
TK16-147 5
TK16-143 5.6
TK16-146 8.7
SK16-78 2.4
SK16-10 13.2
SK16-11 16.3
SK16-1 139.5
SK16-12 72.3
SK16-2 4.5
SK16-4 9.7
1,037,431
SK16-5 47.6
SK16-3 20.4
SK16-6 753.7
SK16-7 4.7
SK16-8 13
SK16-9 6.4
Pb in ppm
302 to 10,000
28 to 301
10 to 28
1 to 10
Kootenay Silver Inc.
Rock Geochemistry
Ward Area
Date: 4/1/2017
Author:
Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)
0
75
150
300
metres