BRITISH COLUMBIA

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

**ASSESSMENT REPORT**
**TITLE PAGE AND SUMMARY**

| TITLE OF REPORT [type of survey(s)] | TOTAL COST |
|---|---|
| PROSPECTING and ROCK GEOCHEMISTRY | $10,794.00 |

AUTHOR(S) CRAIG KENNEDY SIGNATURE(S) Craig Kennedy

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) 5506674 & 5519341 YEAR OF WORK 2014

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) N/A

PROPERTY NAME MOLY PRITCHARD

CLAIM NAME(S) (on which work was done) 696243, 696244, 705440

COMMODITIES SOUGHT Pb, Zn, Cu, Ag, Au

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN N/A

MINING DIVISION FORT STEELE NTS MAP SHEET 082F.079

LATITUDE ____ ° ____ ' ____ " LONGITUDE ____ ° ____ ' ____ " (at centre of work)

UTM COORDINATES 5510000 N - 545000 E

OWNER(S)

1) DARLENE LAVOIE 2) ____

MAILING ADDRESS 2290 DEWOLFE AVE KIMBERLEY BC V1A 1P5

OPERATOR(S) [who paid for the work]

1) CRAIG KENNEDY 2) ____

MAILING ADDRESS 2290 DEWOLFE AVE KIMBERLEY B.C. V1A 1P5

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

LOWER/MIDDLE ALDRIDGE CONTACT (SULLIVAN TIME) MINERALIZATION LEAD, ZINC, COPPER, SILVER, GOLD TOURMALINE, ARSENIC, CARBONATE ALTERATION IN HANGING WALL OF HIGH INTENSTY EM GROUND GEOPHYSICAL ANOMALY - HANGING WALL OF REGIONALY SIGNIFICANT HALL LAKE FAULT

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS 28939, 28685, 22709, 22876

(OVER)

| TYPE OF WORK IN THIS REPORT | EXTENT OF WORK (IN METRIC UNITS) | ON WHICH CLAIMS | PROJECT COSTS APPORTIONED (incl. support) |
|---|---|---|---|
| GEOLOGICAL (scale, area) | | | |
| Ground, mapping | | | |
| Photo interpretation | | | |
| GEOPHYSICAL (line-kilometres) | | | |
| Ground | | | |
| Magnetic | | | |
| Electromagnetic | | | |
| Induced Polarization | | | |
| Radiometric | | | |
| Seismic | | | |
| Other | | | |
| Airborne | | | |
| GEOCHEMICAL (number of samples analysed for ...) | | | |
| Soil | | | |
| Silt | | | |
| Rock | 12 Samples | 496243, 696244 | 4544.00 |
| Other | | | |
| DRILLING (total metres; number of holes, size) | | | |
| Core | | | |
| Non-core | | | |
| RELATED TECHNICAL | | | |
| Sampling/assaying | | | |
| Petrographic | | | |
| Mineralographic | | | |
| Metallurgic | | | |
| PROSPECTING (scale, area) | 1:10,000 | 705442, 696243 | 6250.00 |
| PREPARATORY/PHYSICAL | | | |
| Line/grid (kilometres) | | | |
| Topographic/Photogrammetric (scale, area) | | | |
| Legal surveys (scale, area) | | | |
| Road, local access (kilometres)/trail | | | |
| Trench (metres) | | | |
| Underground dev. (metres) | | | |
| Other | | | |
| | | TOTAL COST | 10,794.00 |

**Assessment Report**

**PROSPECTING AND ROCK GEOCHEM**

# MOLY PRITCHARD PROPERTY

FORT STEELE MINING DIVISION

N.T.S. MAP SHEET 082F.079

**UTM COORDINATES 5510000N – 545000E**

Owner
Darlene Lavoie
2290 Dewolfe Ave.
Kimberley BC V1A 1P5

Report By
Craig Kennedy
Prospector
2290 Dewolfe Ave.
Kimberley BC V1A 1P5

August 2014

TABLE OF CONTENTS



List of Illustrations

**Moly Pritchard Property**

ROCK GEOCHEMISTRY & PROSPECTING REPORT

Craig Kennedy August 2014

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## 1.00 INTRODUCTION

This report describes and discusses recent prospecting and geochem work on the Moly Pritchard claims.

### 1.10 Location and Access

The Moly Pritchard mineral claims are located 30 kilometres northwest of Kimberley BC in the St. Mary River drainage. Access to the property is provided by good logging roads and secondary all terrain trails.

### 1.20 Property

The Moly Pritchard Property is a contiguous block of claims owned by Darlene Lavoie of Kimberley BC. The tenure numbers include: 696243, 696244, 696263, 705440 and 705442.

### 1.30 History of Previous Exploration

Majors, Juniors and individuals have worked in the area of the Moly Pritchard Property through the last 60 years. Assessment reports describing geological work are 28939, 28685, 22709, 22876, 22267, 21471, 15239, 14198, 13124 and 11735.

### 1.40 Summary

The Moly Pritchard Property overlies the hanging wall of the Hall Lake fault within the St. Mary river valley west of Kimberley BC. Historic exploration work mostly conducted by Cominco has delineated a number of base metal occurrences within and surrounding the Moly Pritchard. On the northern boundary of the property Eagle Plains' Vulcan claims overlie the area with the most extensive exploration. Cominco worked this area on a number of occasions from the late 1950s to the early 1990s. Prospecting was initiated on the Moly Pritchard in the late spring of 2014. It was hoped that a large winter logging program may have uncovered new outcrop exposures. Though only a few outcrops have been created, a lot of float and

potential subcrop has been exposed. As well, a number of traverses have been carried out which cover a large portion of the southwest facing slope above the Dewar and White Creek junction.

Fjordland Exploration Inc. optioned the Moly Pritchard property through 2011 -2012 at which time they completed two soil sampling programs. These soil grids were also prospected during this spring's program.

## 2.00 PROSPECTING & ROCK GEOCHEMISTRY PROGRAM

Prospecting was initiated to help define areas for further detailed geological activities. Historic exploration has relied on geological mapping, soil geochemistry, geophysics and early stage diamond drilling. Prospecting was employed to evaluate the historic trend of drilling done in the early 1980s by Cominco. Further prospecting was done to follow up historic geophysical anomalies, more recent soil geochemistry and to try to delineate the contract between the Lower and Middle Aldridge, the lithological panel which host the Sullivan orebody at Kimberley BC. Most of the property prospected to date is on the lower slopes and is heavily forested and overburden covered. Bedrock exposures where observed are most usually associated with well developed and active slide shoots. Fjordland Exploration's soil geochemistry in the valley bottom has defined an interesting gold anomaly and this was the first area prospected. Though no bedrock was encountered in the area of the soil anomaly a large amount of float and potential subcrop can be prospected. At least half of the float material observed is highly altered and exhibits individual amounts or combinations of biotite, coarse and fine green mica (chlorite?), epidote, tourmaline needles, garnet and serpentine. Rock are mostly some form of altered mafic intrusion, two thirds of the mafic population would be altered Purcell intrusives (dio-gabbros), the others are either very altered or of different varieties. In the writers mind some float is definitely carbonatite related. A large percentage of the mafic float host coarse crystalline quartz veins which often have coarse patches of green mica and blebs of nonmagnetic pyrrhotite with minor chalcopyrite and rare grains of galena.

Arsenopyrite is very often recognized as single grains or patches in both mafic and sedimentary float. Occasional sedimentary float can be seen with very large amounts of arsenopyrite, some of which crudely follows bedding. The arsenopyrite is always

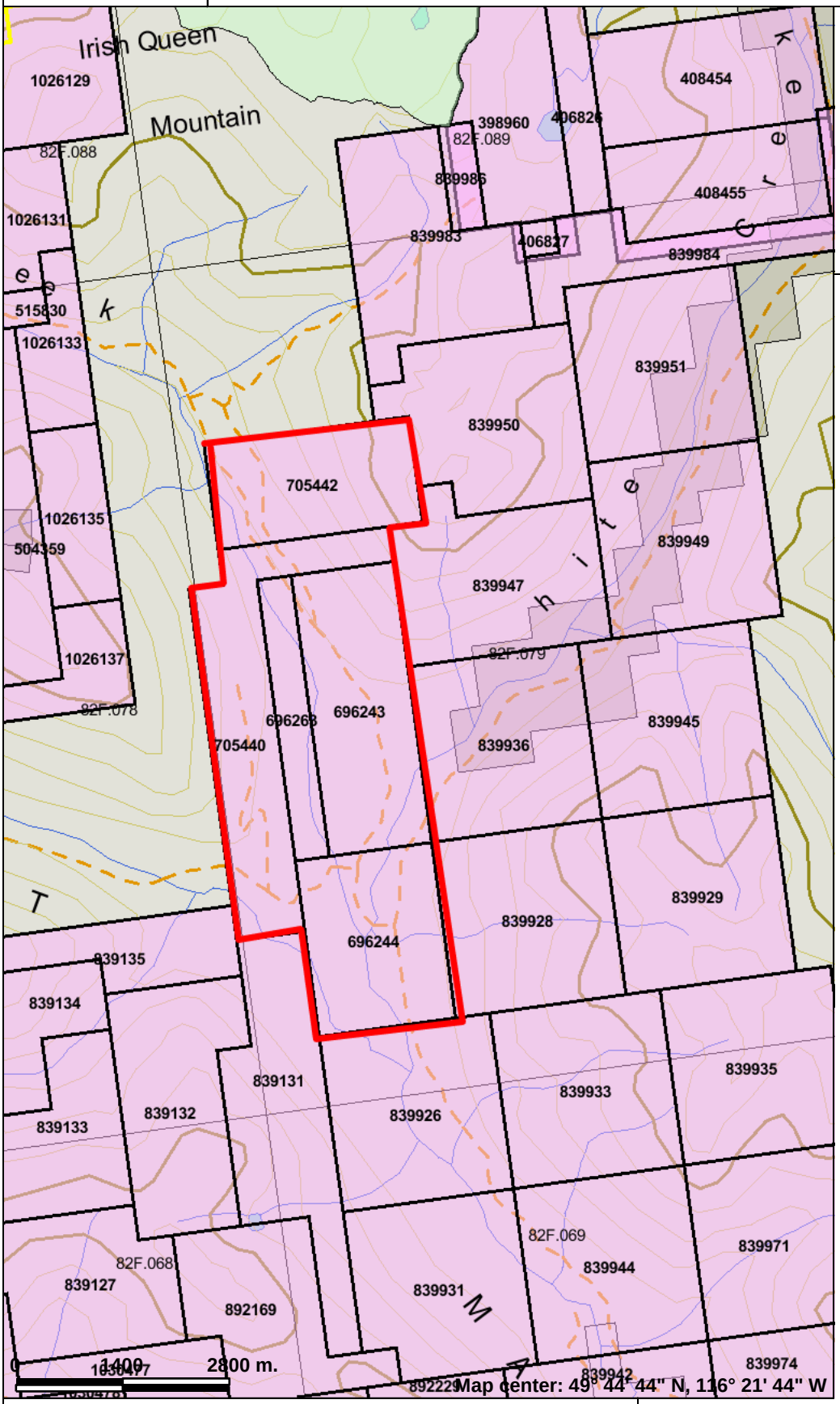
associated with biotite alteration and black felted tourmaline needles. Tourmaline needles are quite readily visible with a hand lens; some being a few millimeters in length. The float sedimentary rock encountered is either shisty and highly foliated or weakly to strongly silicified. The very silicified rocks often have traces of garnet, amphibole, green mica, biotite and epidote. Grains of pyrrhotite and pyrite are often seen as are narrow quartz veins. Veins will host pyrite and pyrrhotite with rare chalcopyrite zinc and lead. Arsenopyrite grains have also been recognized in both shisty and silicified rocks. A couple of chunks of massive sulphide were also noted, these are mostly made of both coarse and fine pyrite and also host interesting amounts of chalcopyrite and bornite.

Prospecting the lower to mid slopes encountered the most bedrock exposures seen. One series of outcrops is very encouraging as it can be traced for quite a distance along strike; hosting both tourmaline needles and disseminations of arsenopyrite. The before mentioned stratigraphy occurs at the interchange of thicker to thinner bedded sediment and possibly represents the Lower-Middle Aldridge contact. A previous soil sampling program has begun to define a highly anomalous Pb/Zn anomaly slightly into the hanging wall of the tourmaline arsenopyrite beds. Prospecting in the soil anomaly area is difficult due to heavy vegetation and lack of bedrock.

Rock sampling to date, indicated two potential mineralizing systems present in the area of the 2014 prospecting. One is copper, cobalt and nickel associated with quartz veining in chlorite altered material. This subcrop and float is wide spread but does have the character of being related to structure. Two is arsenopyrite, lead and zinc. This float is associated with silicified chlorite and in some cases garnet, tourmaline needle rich rock. Tourmaline needles and arsenopyrite are interesting as they indicate a remobilization of boron rich stratigraphies and may represent a similar alteration as that seen in the footwall of the Sullivan mine at Kimberley.

Figure 1: Regional Location Map

# Figure 2, Claim Location Map - Moly Pritchard





## Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands

**Mineral Tenure (current)**

- Mineral Claim
- Mineral Lease

**Mineral Reserves (current)**

- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Survey Parcels
- BCGS Grid

**Contours (1:250K)**

- Contour - Index
- Contour - Intermediate
- Areaof Exclusion
- Areaof Indefinite Contours

**Annotation (1:250K)**

**Transportation - Points (1:250K)**

- Airfield
- Anchorage - Seaplane
- Ferry Route
- Heliport
- Seaplane Base
- Air Field
- Airport
- Air Feature - Condition Unknown
- Airport.Abandoned

**Transportation - Lines (1:250K)**

- Ferry Route
- Aerial Cableway
- Road (Gravel Undivided) - 1 Lane
- Road (Gravel Undivided) - 3 Lanes
- Road - Paved.lanes.2or More.Divided
- Road (Paved Undivided) - Not Elevated - 1 Lane
- Road (Paved Undivided) - Not Elevated - 2 Lanes
- Road - Paved.lanes.3or More.Undivided

N

Scale: 1:80,000

## 3.00 CONCLUSION

The Moly Pritchard represents a strong target zone of key styles of alteration associated with the Sullivan Mine at Kimberley. The most important features may be the tourmaline, arsenopyrite, garnet float and outcrop encountered during prospecting. The alteration is associated with a historic soil geochemistry anomaly hosting both lead and zinc values. The soil anomaly is open and requires more work to define its size and strength. More detailed prospecting and geology would be done in the area thought to be near the Middle-Lower Aldridge contact. With the deep glacial till on a lot of the area a recce bio geochem survey could be done to see if this might be a helpful technique.

## 4.00 STATEMENT OF EXPENDITURES

Prospecting & Rock Geochemistry
Moly Pritchard Property
Work performed: Spring & Summer 2014

| | |
|---|---|
| Craig Kennedy - 7 days @ 500/day | $3500.00 |
| May 17, 19, Jul 22, 23, Aug 1, 8, 9 | |
| Vehicle Charge – 7@ 100/day | 700.00 |
| Sean Kennedy - 3 days @ 500/day | 1500.00 |
| May 12, 14, 31 | |
| Vehicle Charge – 3 @ 100/day | 300.00 |
| Mike Kennedy - 4 days @ 500/day | 2000.00 |
| May 17, 19, Jul 22, 23, Aug 1, 8, 9 | |
| Tom Kennedy - 1 day @ 500/day | 500.00 |
| Aug 1 | |
| Vehicle Charge – 1@ 100/day | 100.00 |
| ATV Rental – 4 @ 150 | 600.00 |
| Acme Labs – 12 samples | 394.00 |
| Craig Kennedy - report & maps | 1200.00 |
| **Total:** | **$10,794.00** |

## 5.00 AUTHOR'S QUALIFICATIONS

As the author of this report I, Craig Kennedy, certify that:

1. I am an independent prospector residing at 2290 Dewolfe Avenue, Kimberley, BC.

2. I have been actively prospecting in the East and West Kootenays district of BC for the past 34 years and have made my living prospecting for the past 25 years.

3. I have been employed as a professional prospector by major and junior mineral exploration companies.

4. I own and maintain mineral claims in BC and have optioned numerous claims to various exploration companies.

Craig Kennedy

Craig Kennedy
Prospector

## 6.00 ROCK SAMPLE DESCRIPTIONS

| Sample No. | UTM E | UTM N | Property | Description |
|---|---|---|---|---|
| CK-14-05 | 545292 | 5510107 | Moly P (Upper St. Mary) | Crystalline quartz breccia chunks. Flakes of large chlorite mica, non-magnetic Py, rare Ccp |
| CK-14-06 | 544775 | 5508593 | Moly P (Upper St. Mary) | Float (football size) massive sulphide quartz pebbles w/ Pyrite & chalcopyrite, won't have travelled far. |
| CK-14-14 | 544847 | 5511460 | Moly P (Upper St. Mary) | Skarn type alteration - narrow quartz Lm veins - Chl mica flakes, float |
| CK-14-15 | 544861 | 5511435 | Moly P (Upper St. Mary) | Sheisty sericite rich thin bedded, siliceous Qtz wacke disseminated & bedding parallel Py - float |
| CK-14-16 | 544876 | 5511392 | Moly P (Upper St. Mary) | Spotted hornfels, elongated porphyroblast with black Bt & blebs of pyrrhotite - float |
| CK-14-17 | 544872 | 5511372 | Moly P (Upper St. Mary) | Hornfel, only a little Bt, mostly disseminated Tur needles, narrow Qtz veins, disseminated grains of Pbs embedded with Tur needles. Float |
| CK-14-18 | 544935 | 5511280 | Moly P (Upper St. Mary) | Hornfel with biotite layers (black) rare disseminated Tur needles, narrow Qtz veins w/ Lm |
| CK-14-19 | 545128 | 5510860 | Moly P (Upper St. Mary) | Qtz vein, coarse crystalline contact zone in altered punky Lm dio/gabbro? Zone of massive Py & black Bt |
| CK-14-26 | 545292 | 5510235 | Moly P (Upper St. Mary) | Altered mafic/Chl rich material, lots of Py |
| CK-14-27 | 545310 | 5510191 | Moly P (Upper St. Mary) | Same as above not as much Py, coarse crystalline Qtz vein material - abundant float |
| CK-14-28 | 545322 | 5510242 | Moly P (Upper St. Mary) | Dio-Gabbro iron rich material rare AsPy with Lim, Mn, Chl & some Qtz veining, also scattered Tur needles |
| CK-14-165 | 545171 | 5510523 | Moly P (Upper St. Mary) | Sulphide rich - rich crystalline Qtz vein cutting altered granofel, lots of boulders, Py. Po & Cpy, rare Pbs |
| | | | | |

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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: August 14, 2014
Report Date: September 02, 2014
Page: 1 of 2

# CERTIFICATE OF ANALYSIS VAN14002629.1

## CLIENT JOB INFORMATION

Project: UPPER ST. MARY
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

Acme 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 |
| AQ202 | 12 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 30 | Completed | VAN |
| AQ374 | 2 | 1:1:1 Aqua Regia Digestion ICP-ES Finish | 0.4 | Completed | 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. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
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**Client:** **Kootenay Silver Inc.**
Suite 1820 - 1055 W. Hastings St.
Vancouver BC V6E 2E9 CANADA

Project: UPPER ST. MARY
Report Date: September 02, 2014



# CERTIFICATE OF ANALYSIS VAN14002629.1

| Method | | WGHT | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | 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 |
| CK14-14 | Rock | 0.46 | 0.2 | 63.4 | >10000 | 261 | 40.2 | 0.7 | 0.4 | 121 | 2.68 | 374.1 | 9.4 | 7.4 | 5 | 1.0 | 1.8 | 93.2 | <2 | 0.01 | 0.066 |
| CK14-15 | Rock | 0.49 | 2.6 | 29.1 | 10.8 | 25 | <0.1 | 18.4 | 9.5 | 144 | 2.48 | 11.9 | <0.5 | 11.0 | 4 | <0.1 | 0.3 | 0.4 | 9 | 0.19 | 0.044 |
| CK14-16 | Rock | 0.56 | 0.2 | 16.0 | 46.4 | 28 | 0.1 | 5.9 | 4.9 | 95 | 0.80 | 3.1 | <0.5 | 6.2 | 4 | 0.2 | 0.1 | 0.3 | 3 | 0.13 | 0.012 |
| CK14-17 | Rock | 0.46 | 0.2 | 43.0 | 833.2 | 24 | 1.2 | 9.7 | 17.1 | 115 | 1.53 | 423.0 | <0.5 | 8.3 | 4 | 0.4 | 0.7 | 2.3 | 7 | 0.18 | 0.053 |
| CK14-18 | Rock | 0.39 | 0.4 | 31.9 | 27.9 | 30 | 0.1 | 6.3 | 3.2 | 198 | 2.04 | 16.7 | 2.7 | 5.7 | 9 | <0.1 | 0.2 | 0.3 | 18 | 0.13 | 0.023 |
| CK14-19 | Rock | 0.57 | 0.4 | 130.6 | 158.4 | 99 | 1.6 | 0.5 | 20.5 | 195 | 6.19 | 3.5 | 4.5 | 5.8 | 3 | 1.2 | 0.1 | 7.1 | <2 | 0.32 | 0.074 |
| CK14-26 | Rock | 0.64 | 0.2 | 289.9 | 9.1 | 2 | 0.3 | 24.7 | 126.1 | 52 | 11.25 | 5.0 | <0.5 | <0.1 | <1 | <0.1 | 0.1 | 1.6 | <2 | 0.03 | <0.001 |
| CK14-27 | Rock | 0.57 | 0.3 | 219.9 | 20.5 | 13 | 0.2 | 8.0 | 38.2 | 582 | 4.19 | 5.6 | 22.0 | 0.2 | 13 | 0.1 | 0.3 | 10.8 | 11 | 1.12 | 0.088 |
| CK14-28 | Rock | 0.55 | <0.1 | 269.0 | 11.0 | 49 | 0.5 | 241.0 | 154.9 | 1258 | 3.06 | 407.2 | 2.0 | 0.5 | 62 | 0.9 | 0.4 | 0.3 | 27 | 5.10 | 0.016 |
| CK-14-165 | Rock | 0.60 | 0.1 | 215.3 | 15.2 | 4 | 0.3 | 5.9 | 24.0 | 50 | 8.53 | 47.7 | <0.5 | 0.2 | <1 | 0.1 | <0.1 | 0.4 | <2 | 0.03 | 0.003 |
| CK14-05 | Rock | 0.37 | 0.4 | 2489.8 | 2.1 | 8 | 0.5 | 7.0 | 50.8 | 90 | 8.62 | <0.5 | <0.5 | <0.1 | 4 | 0.1 | 0.2 | 0.1 | 2 | 0.15 | 0.015 |
| CK14-06 | Rock | 0.46 | 0.6 | >10000 | 814.7 | 455 | 13.2 | 51.3 | 128.2 | 273 | >40 | 62.3 | 19.7 | 4.0 | 2 | 30.5 | 0.2 | 3.8 | 48 | 1.15 | 0.013 |

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PHONE (604) 253-3158

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

Project: UPPER ST. MARY
Report Date: September 02, 2014



# CERTIFICATE OF ANALYSIS VAN14002629.1

| | Method | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ374 | AQ374 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | Cu | Pb |
| | 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 | 0.001 | 0.01 |
| CK14-14 | Rock | 27 | 2 | <0.01 | 40 | 0.008 | 12 | 0.21 | 0.023 | 0.17 | 78.1 | 0.02 | 1.2 | 0.2 | 0.42 | <1 | 1.2 | 4.1 | 0.007 | 1.10 |
| CK14-15 | Rock | 8 | 9 | 0.55 | 76 | 0.111 | <1 | 1.06 | 0.021 | 0.76 | 0.2 | <0.01 | 1.2 | 0.3 | 1.07 | 3 | <0.5 | <0.2 | | |
| CK14-16 | Rock | 9 | 4 | 0.13 | 73 | 0.044 | <1 | 0.38 | 0.026 | 0.28 | 0.2 | <0.01 | 0.7 | 0.1 | 0.13 | <1 | <0.5 | <0.2 | | |
| CK14-17 | Rock | 12 | 10 | 0.25 | 71 | 0.081 | <1 | 0.68 | 0.033 | 0.50 | <0.1 | <0.01 | 1.2 | 0.3 | 0.37 | 2 | <0.5 | <0.2 | | |
| CK14-18 | Rock | 18 | 16 | 0.42 | 62 | 0.130 | <1 | 0.85 | 0.044 | 0.58 | <0.1 | <0.01 | 2.6 | 0.4 | 0.23 | 3 | <0.5 | <0.2 | | |
| CK14-19 | Rock | 19 | <1 | 0.07 | 41 | 0.073 | <1 | 0.55 | 0.044 | 0.33 | 4.6 | <0.01 | 2.6 | 0.3 | 3.95 | 3 | 0.5 | <0.2 | | |
| CK14-26 | Rock | <1 | <1 | 0.01 | 1 | <0.001 | 7 | 0.02 | 0.002 | <0.01 | 0.1 | <0.01 | 0.2 | <0.1 | 6.57 | <1 | 1.6 | <0.2 | | |
| CK14-27 | Rock | <1 | 1 | 0.08 | 15 | 0.147 | <1 | 0.68 | 0.008 | 0.06 | >100 | <0.01 | 1.8 | 0.1 | 1.65 | 3 | <0.5 | 0.3 | | |
| CK14-28 | Rock | 1 | 166 | 3.64 | 11 | 0.003 | 28 | 1.05 | 0.003 | 0.03 | 4.0 | <0.01 | 6.7 | <0.1 | 0.12 | 2 | <0.5 | <0.2 | | |
| CK-14-165 | Rock | <1 | 3 | 0.02 | 5 | 0.007 | <1 | 0.08 | 0.005 | 0.02 | 5.9 | <0.01 | 0.3 | <0.1 | 6.39 | <1 | 0.9 | <0.2 | | |
| CK14-05 | Rock | <1 | 1 | 0.03 | 3 | 0.005 | <1 | 0.13 | 0.006 | <0.01 | 0.9 | <0.01 | 5.0 | <0.1 | 3.54 | <1 | 8.9 | <0.2 | | |
| CK14-06 | Rock | <1 | 2 | 0.65 | 3 | 0.004 | <1 | 1.13 | <0.001 | <0.01 | 4.9 | <0.01 | 6.6 | <0.1 | >10 | 7 | 4.3 | 0.3 | 2.909 | 0.06 |

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

Project: UPPER ST. MARY
Report Date: September 02, 2014



# QUALITY CONTROL REPORT VAN14002629.1

| | Method | WGHT | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | 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 | | | | | | | | | | | | | | | | | | | | | |
| CK14-06 | Rock | 0.46 | 0.6 | >10000 | 814.7 | 455 | 13.2 | 51.3 | 128.2 | 273 | >40 | 62.3 | 19.7 | 4.0 | 2 | 30.5 | 0.2 | 3.8 | 48 | 1.15 | 0.013 |
| REP CK14-06 | QC | | | | | | | | | | | | | | | | | | | | |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | 14.5 | 158.3 | 150.3 | 376 | 1.9 | 77.3 | 13.0 | 888 | 2.85 | 45.8 | 72.9 | 7.3 | 67 | 2.6 | 9.0 | 11.6 | 47 | 1.09 | 0.082 |
| STD GC-7 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS133B | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OXC109 | Standard | | 1.5 | 33.8 | 10.1 | 40 | <0.1 | 70.7 | 19.5 | 396 | 2.84 | <0.5 | 164.2 | 1.2 | 131 | <0.1 | <0.1 | <0.1 | 49 | 0.70 | 0.096 |
| STD DS10 Expected | | | 14.69 | 154.61 | 150.55 | 370 | 2.02 | 74.6 | 12.9 | 875 | 2.7188 | 43.7 | 91.9 | 7.5 | 67.1 | 2.49 | 8.23 | 11.65 | 43 | 1.0625 | 0.073 |
| STD OXC109 Expected | | | | | | | | | | | | | 201 | | | | | | | | |
| STD GC-7 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS133B Expected | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | | <0.1 | 2.6 | 4.3 | 45 | <0.1 | 2.2 | 3.8 | 584 | 1.93 | <0.5 | 1.4 | 5.9 | 68 | <0.1 | 0.1 | 0.2 | 40 | 0.55 | 0.070 |
| G1 | Prep Blank | | 0.1 | 3.5 | 4.6 | 49 | <0.1 | 2.4 | 3.9 | 576 | 1.97 | <0.5 | 1.8 | 5.5 | 68 | <0.1 | <0.1 | <0.1 | 40 | 0.54 | 0.067 |

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Project: UPPER ST. MARY
Report Date: September 02, 2014



# QUALITY CONTROL REPORT VAN14002629.1

| | Method | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ374 | AQ374 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | Cu | Pb |
| | 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 | 0.001 | 0.01 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | |
| CK14-06 | Rock | <1 | 2 | 0.65 | 3 | 0.004 | <1 | 1.13 | <0.001 | <0.01 | 4.9 | <0.01 | 6.6 | <0.1 | >10 | 7 | 4.3 | 0.3 | 2.909 | 0.06 |
| REP CK14-06 | QC | | | | | | | | | | | | | | | | | | 2.897 | 0.06 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | 19 | 56 | 0.81 | 362 | 0.087 | 5 | 1.13 | 0.073 | 0.35 | 3.0 | 0.30 | 3.1 | 4.8 | 0.29 | 5 | 1.7 | 4.9 | | |
| STD GC-7 | Standard | | | | | | | | | | | | | | | | | | 0.579 | >10 |
| STD OREAS133B | Standard | | | | | | | | | | | | | | | | | | 0.032 | 5.17 |
| STD OXC109 | Standard | 12 | 56 | 1.46 | 55 | 0.356 | <1 | 1.54 | 0.689 | 0.41 | <0.1 | <0.01 | 0.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| STD DS10 Expected | | 17.5 | 54.6 | 0.775 | 359 | 0.0817 | | 1.0259 | 0.067 | 0.338 | 3.32 | 0.3 | 2.8 | 5.1 | 0.29 | 4.3 | 2.3 | 5.01 | | |
| STD OXC109 Expected | | | | | | | | | | | | | | | | | | | | |
| STD GC-7 Expected | | | | | | | | | | | | | | | | | | | 0.555 | 10.44 |
| STD OREAS133B Expected | | | | | | | | | | | | | | | | | | | 0.032 | 5.07 |
| BLK | Blank | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | 0.2 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | <0.001 | <0.01 |
| Prep Wash | | | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | 14 | 5 | 0.51 | 171 | 0.125 | <1 | 1.01 | 0.110 | 0.48 | <0.1 | <0.01 | 2.5 | 0.3 | <0.05 | 5 | <0.5 | <0.2 | | |
| G1 | Prep Blank | 16 | 5 | 0.52 | 182 | 0.117 | <1 | 1.01 | 0.110 | 0.49 | <0.1 | <0.01 | 2.6 | 0.3 | <0.05 | 5 | <0.5 | <0.2 | | |

# 2014 Moly Pritchard Sample ID Map

0 200 400 metres

Scale 1:10,000

N

543,000 mE 544,000 mE 545,000 mE 546,000 mE 547,000 mE

5,514,000 mN 5,513,000 mN 5,512,000 mN 5,511,000 mN 5,510,000 mN 5,509,000 mN 5,508,000 mN 5,507,000 mN

705442

696263

696243

696244

CK-14-14
CK-14-15
CK-14-16
CK-14-17
CK-14-18
CK-14-19
CK-14-165
CK-14-26
CK-14-28
CK-14-27
CK-14-05
CK-14-06

2595 1187 1048

1500 1600 1700 1800 1900 2000 1400 1300 1200 1100

DEWAR CREEK

WHITE CREEK

MARY RIVER

0 200 400 metres Scale 1:10,000

N

543,000 mE 544,000 mE 545,000 mE 546,000 mE 547,000 mE

5,514,000 mN 5,513,000 mN 5,512,000 mN 5,511,000 mN 5,510,000 mN 5,509,000 mN 5,508,000 mN 5,507,000 mN

**Moly_Pritchard_2014 Rock Samples**
Pb in ppm
- 0 to 99
- 100 to 499
- 500 to 999
- 5,000 to 20,000

705442

696263

696243

696244

1500 2595 2500 2400 1900 1800 1700 1600 1500 1400 1300 1200 1187 1100 1048

11,000 10.8 46.4 833.2 27.9 158.4 15.2 9.1 11 20.5 2.1 814.7

DEWAR CREEK WHITE CREEK MARY RIVER

0 200 400 metres Scale 1:10,000

543,000 mE 544,000 mE 545,000 mE 546,000 mE 547,000 mE

5,514,000 mN 5,513,000 mN 5,512,000 mN 5,511,000 mN 5,510,000 mN 5,509,000 mN 5,508,000 mN 5,507,000 mN

705442

696263

696243

696244

1500 2595 2500 2400 2000 1900 1800 1700 1600 1500 1400 1300 1200 1187 1048 1100

M A R Y R I V E R

E W R C R E E K

W H I T E C R E E K

fragmental granofels?

70 coticules

70 Cpy-Aspy 50 in alb.

76 rusty s.s. 50

lam. qw (grey)

10 diss. Zn+Pb

14 70 50

gabbro-granofels t.n.

76 42 coticule trmolite w/PbS

56 beds 70

6 coarse t.n. qvs w/chl.+goe

50 60 50

siliceous Po rich float, chl/biotite

70 44 goe+chl

cherty 86

gabbro float Aspy

actinolite rock

20

1 Zns+Cpy+po 24 stratabound 38 Zns+po act.chl.alb.garn. 60

Tourmaline needle float Aspy, qvs w/rare Pbs massive Aspy with Cpy/Po in t.n. beds

5 4

tourm. needle float

siilicous float-Po garnet, Aspy

large piece of bull qv Po/Cupy

alt. gabbr float qvs w/Po, Cpy+tourm. needles

Tourmaline needle float Aspy, qvs w/rare Pbs

alt. mafic talcy rock Po rich

3

very rusty subcrop Po+qvs w/Cupy

alt. gabbro float tourm. needles Aspy

rusty-schisty subcrop rare qvs w/Pbs/Cupy

rusty alt. gabbro Aspy/Py

abundant alt. gabbro rusty, Aspy/Cupy

abundant alt. gabbro float qvs w/Po/Cupy/Aspy

qv boulders massive po/weak cpy chl.-in gabbro?

fine grained sericitic tourm needle rich rock (intrusive?)

float massive sulphide Po/cpy

2

**Legend**

- fragmental rock
- gabbro-diorite-granofels(sills and dykes)
- undivided Lower and Middle Aldridge(?) quartz wacke, grey wacke, siltstone, argillite schist
- bedding, cleavage
- float
- route traversed