**REPORT ON:**

# PROSPECTING AND ROCK GEOCHEMISTRY

## WIGWAM AND MAXIWAM MINERAL CLAIMS

**SHEEP MOUNTAIN AREA**

**GALTON RANGE**

**BRITISH COLUMBIA**



**FORT STEELE MINING DIVISION**

**NTS MAP SHEET 82G 005/006**





**OWNERS: BOB MORRIS**
**CRAIG KENNEDY**

**WORK PERFORMED SPRING OF 2007**

**REPORT WRITTEN BY SEAN KENNEDY - PROSPECTOR**

**DECEMBER 2007**

**Bob Morris**

**From:** MT.online@gov.bc.ca
**Sent:** Tuesday, October 16, 2007 2:05 PM
**To:** rjmorris@jrtwave.com
**Subject:** SOW-M (4175289) 2007/OCT/16 13:5:29 Mineral Titles Online, Transaction event, Email confirmation

Event Number: 4175289
Event Type: Exploration and Development Work / Expiry Date Change

Work Type Code: T

Required Work Amount: 4000.00

Total Work Amount: 4880.00

Total Amount Paid: 200.55

PAC Name: Robert J. Morris

PAC Debit: 0.00

Tenure Number: 372755
Tenure Type: M
Tenure Subtype: C
Claim Name: WIGWAM 1
Old Good To Date: 2007/oct/21
New Good To Date: 2008/oct/21
Tenure Required Work Amount: 4000.00
Tenure Submission Fee: 200.55

Your technical work report is due in 90 days as per Section 33 of the Mineral Tenure Act and Section 16 and Schedule A of the Mineral Tenure Act Regulation. Please attach a copy of your confirmation page to the front of your report.

Server Name: PRODUCTION

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## TABLE OF CONTENTS

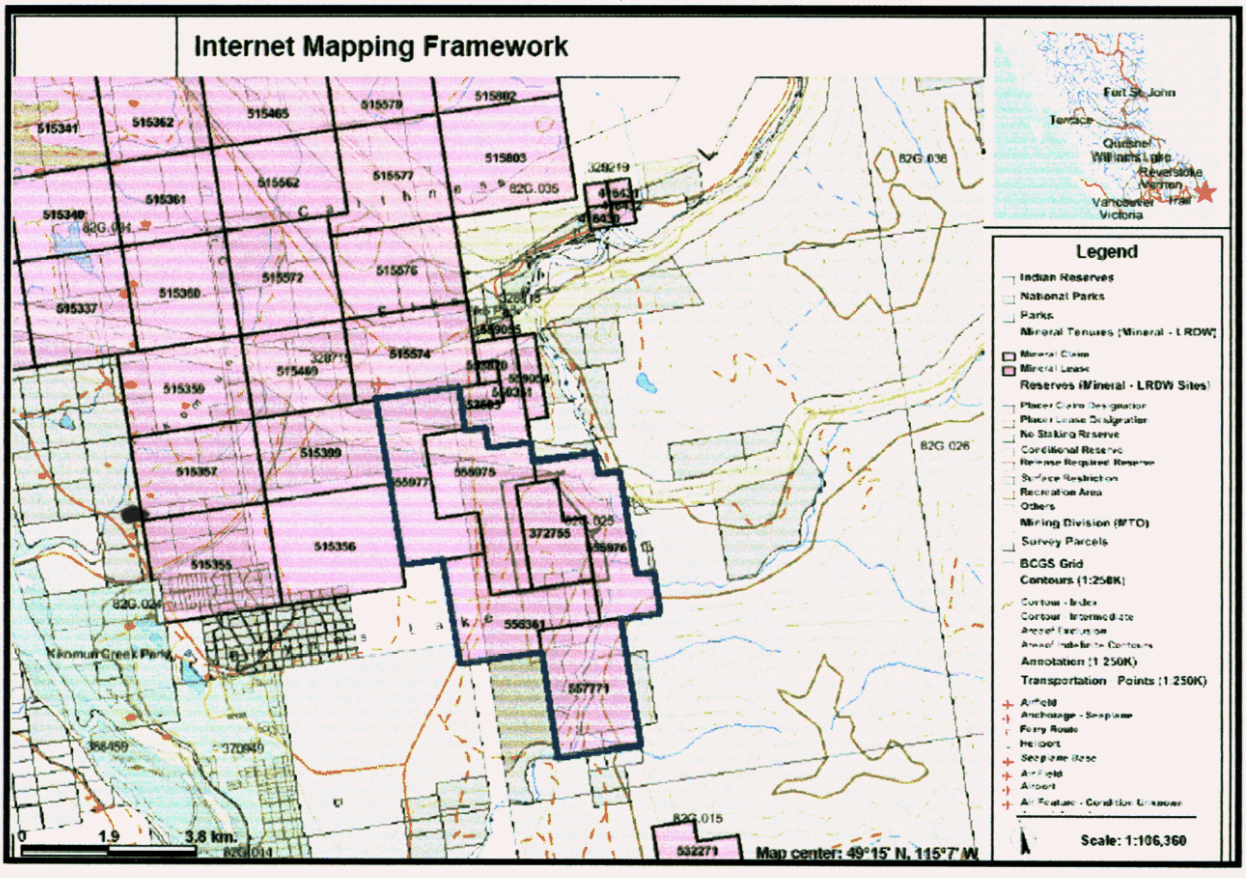
## 1.0 INTRODUCTION

During the early field season of 2007 a prospecting and rock geochemistry program was conducted on mineral claims overlying the Sheep Mountain area of southeast BC. A number of minfile occurrences are located on the property most consist of fractures and veins containing lead, zinc, and copper. The property position was significantly increased during the program to help cover a large, structurally complex alteration zone. Geology on the property is very unique in the regional area with a number of strange intrusions with a number of faults with Tertiary movement.

Over the course of the program 59 rock samples were collected, a number of old mineralized occurrences were located, and a number of new ones were discovered.

## 1.1 PROPERTY

The property is comprised of tenure numbers: 372755, 555975, 555976, 555977, 556361, and 557771




PROPERTY HIGHLIGHTED IN BLUE, REGIONAL LOCATION TOP RIGHT

## 1.2 LOCATION AND ACCESS

The property is located at Sheep Mountain just south of the community of Elko in southeast BC. Sheep Mountain sits as a topographic high at the confluence of the Elk and Wigwam rivers on the western flanks of the Rocky Mountains. Access to the property is good as a number of old exploration and logging roads that branch off the main highway, and/or the Elko sawmill road, dissect the area.

## 1.3 PHYSIOGRAPHY

Elevation on the property ranges from 800 meters along the Wigwam and Elk Rivers to over 1200 meters at the top of Sheep Mountain. Topography is generalized by broad hillsides with some steep cliffy sections. A treacherous canyon along the Elk River bounds the eastern margin of the property. Generally the property is timber covered mostly with Douglas fir, some aspects are bare grassland with the occasional yellow pine.

## 1.4 HISTORY

Mining and exploration history on the property looks to have been comprised of two stages; early exploration mostly on quartz veins with lead and copper mineralization that have been explored with short adits. Later exploration mostly as trenching and road building was carried out on altered diabase(?) sills as well as mineralized quartzite and dolomite units and altered porphyry dykes.

## 2.0 PROPERTY GEOLOGY

Regional geological mapping in the area by Höy has the property underlain by mid-Proterozoic Belt-Purcell clastics, carbonates, and volcanics of the Van Creek, Nichol Creek, Gateway, and Phillips Formations.

The Van Creek is summarized as the unit of siltites and argillites at the top of the Kitchener Formation. ~~The unit weathers reddish~~, orange or tan. Sedimentary features include mud cracks, mud-chip breccias, rippled surfaces and scours. Some quartzite units, with crosslaminations, are noted in the Van Creek.

Overlying the Van Creek are the Nichol Creek lavas, mostly amygdaloidal basalt, with pyroclastic flows and tuffs. Rare siltstone and quartzite units are interbedded in the volcanics that are interpreted as flood basalts.

The Gateway Formation is located above the Sheppard and below the Phillips, it is mostly pale greenish siltstone, some dolomite and argillite. Some algal mats may be found in the formation as well as oolites. Sedimentary structures include ripple beds, mud cracks, and mud-chip breccias.

The Phillips Formation acts as an easily identifiable regional marker. It is characteristically a red-purple quartzite and siltstone unit with micaceous bedding planes. Sedimentary structures include mud cracks, mud-chip breccias, dessication cracks and crosslaminations. This formation conformably overlies the Gateway.

At Sheep Mountain Van Creek and Nichol Creek are located at the southern boundaries of the property with Gateway and Phillips Formations in fault contact, along a 320°(?) trending normal fault to the north. The eastern margin of the property, mainly along the Elk River canyon has a reliable pick-up on the Phillips formation with Gateway underlying to the west. The Rocky Mountain Trench Fault is the dominant structural feature and is a NW trending normal fault with Tertiary movement on it.

## 3.0 PROSPECTING AND ROCK GEOCHEMISTRY

During the spring of 2007 eight man-days were spent prospecting and collecting rock samples at Sheep Mountain. The area represents a unique geological picture with large complex structural zones, huge alteration, and abundant sulphide mineralization. Over the course of the program 59 samples were collected in total, assay results as well as descriptions and locations are located in Appendix 1. All rock samples were sent to Acme Labs in Vancouver and assayed for a 30 element ICP plus ppb Au as well as ppm Hg.

The Sheep Mountain area is host to a number of mineralized quartz/calcite/carbonate veins that contain chalcopyrite, malachite, azurite, galena, sphaelerite, hematite, limonite, pyrite and scorodite. Some of these veins have been explored by adits and trenching. The veins typically are quartz with anchorite and calcite along the margins. The largest vein was over 2 meters wide. Sulphide mineralization is hosted by the quartz with only minor pyrite and limonite mineralization in the calcite/anchorite gangue. The majority of the veins occur along NE trending structures and are hosted by a thick unit of diabases, that while no contact has been seen are thought to be sills.

The diabases are unique regionally to the Sheep Mountain area and remain an ambiguous feature. The age of the diabase is unknown but because they continue across the fault that offsets Gateway and Phillips in the north against Van Creek to the south and are hosted by both units respectively they likely record a younger event, perhaps they are a fine-grained phase of the syenite porphyry. They are intermediate in composition and have been highly altered in most locations. Often they appear completely shot with carbonate, hematite, limonite, manganese, quartz, calcite and albite(?) and in places are tectonically brecciated. Only one location had relatively fresh looking diabase that contained many mafic minerals as well as galena, sphaelerite and chalcopyrite. Other zones of mineralization in the sills had been trenched where lead, zinc and copper mineralization appeared to be replacing chlorite "chlots", often rimming them. Atleration within the sills may be controlled by the 320° trending normal fault that offsets Van Creek against Gateway as the strength of the alteration as well as tectonic breccias increase towards the fault contact, this may have been an important conduit for hydrothermal fluids.

Other intrusions on the property include syenite porphyry dykes and sills(?), these contain hornblende, chlorite, k-spar alteration, pyrite, and tourmaline needles, rare chalcopyrite was noted in a few locations as well as a few zones of argillic alteration. Near the regional dump a dyke swarm was found in outcrop. The dykes were quite carbonate, hematite, manganese, epidote, potassic(?), quartz and limonite altered. Other syenites in the region have been dated as Cretaceous so this may be a probable age.

Other zones of copper and lead mineralization were found in tan quartzites, dolomites, and stromatalites of the Gateway(?) Formation. Notably near the dump where bedding is nearly up on end and at the top of Sheep Mountain in the "saddle" feature. Mineralization at both locations is chiefly chalcopyrite with malachite and azurite and is seen as both fractures/veins and disseminations. Both of these zones have altered porphyry dykes in close proximity.

## 4.0 CONCLUSIONS AND RECOMMENDATIONS

Sheep Mountain represents a large alteration zone in excess of 2 km long along a northerly axis by 1 km wide. Alterations include; limonite, hematite, manganese, carbonate, epidote, quartz, potassic, and argillic. This zone is host to a number of mineralized occurrences both as fracture/vein type and disseminations, in close proximity to altered syenite porphyry dyke swarms. The majority of mineralized occurrences are within a unique package of altered diabase sills. Structure mostly appears to be NE trending as well as paralleling the NW Rocky Mountain Trench Fault. A NW trending normal fault near the centre of Sheep Mountain appears to be an important conduit for hydrothermal fluids, this fault is mapped as having strike slip movement on it and could therefore be responsible for the NE trending mineralized veins. Other important copper deposits exist along the Rocky Mountain Trench Fault including the Bull River Mine, the Roo showings as well as a number of historic camps near Wasa.

At this point it is highly recommended to complete a soil grid across the property to help determine if the NW faults are controlling the mineralization. Detailed geology would be difficult to complete as bedrock is poor, however, some time should be spent mapping the area. Geophysics (VLF) may also be a viable, cost-effective, tool to pick up structural breaks on the property. Sheep Mountain is highly recommended as it represents a large structurally complex alteration zone with multiple phases of intrusive activity and late Tertiary movement, numerous polymetallic occurrences, as well as existing on a trend of copper showings and producers.

## 5.0 STATEMENT OF COSTS

| | | |
|---|---|---|
| Sean Kennedy | 4 days @ | $300/day |
| Mike Kennedy | 4 days @ | $300/day |
| Truck | 4 days @ | $150/day |
| Rock Samples | 59 @ | $20/sample |
| Report Writing | 2 days @ | $350/day |
| Total | | $4880.00 |

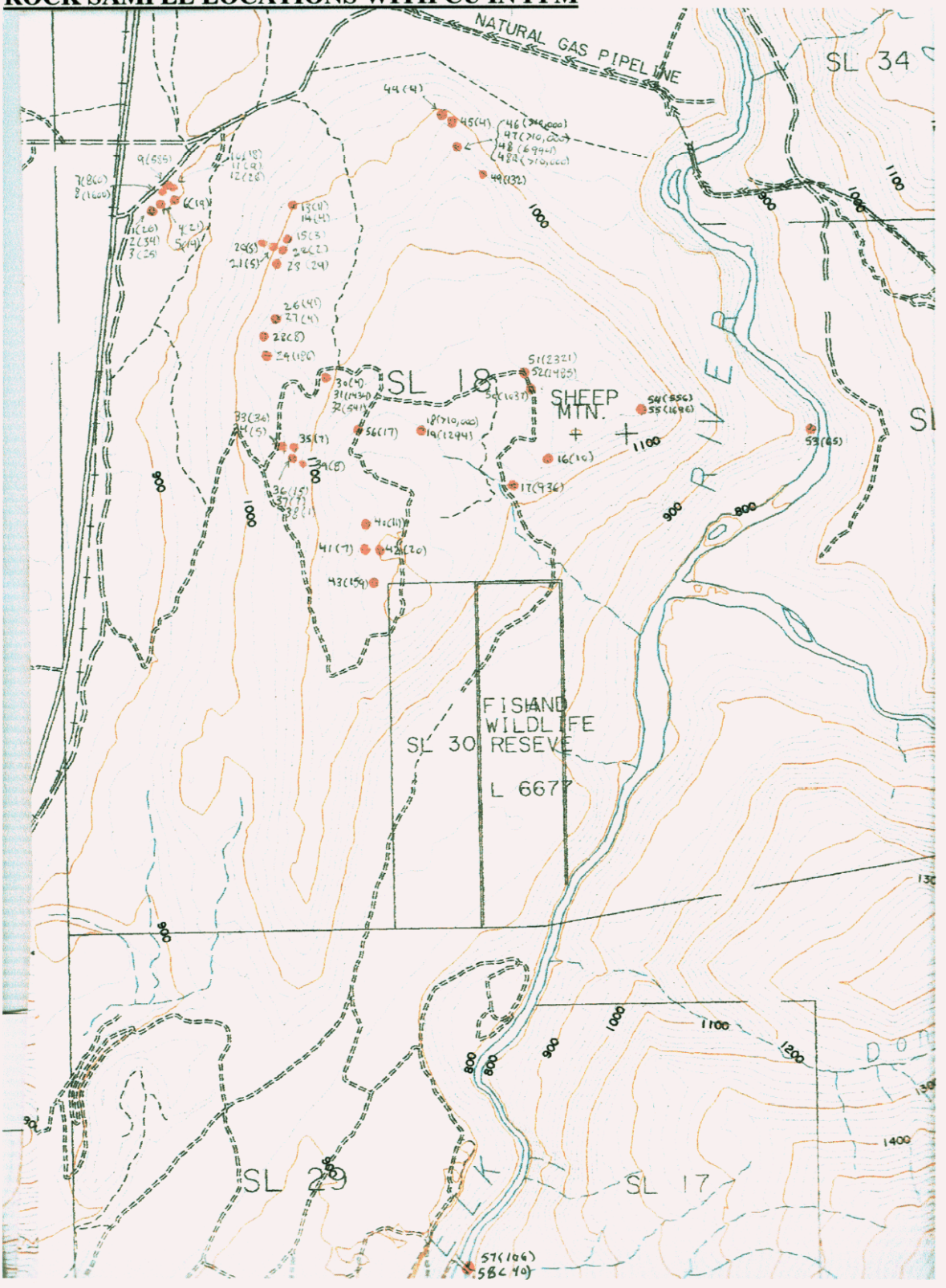
## 6.0 STATEMENT OF QUALIFICATIONS

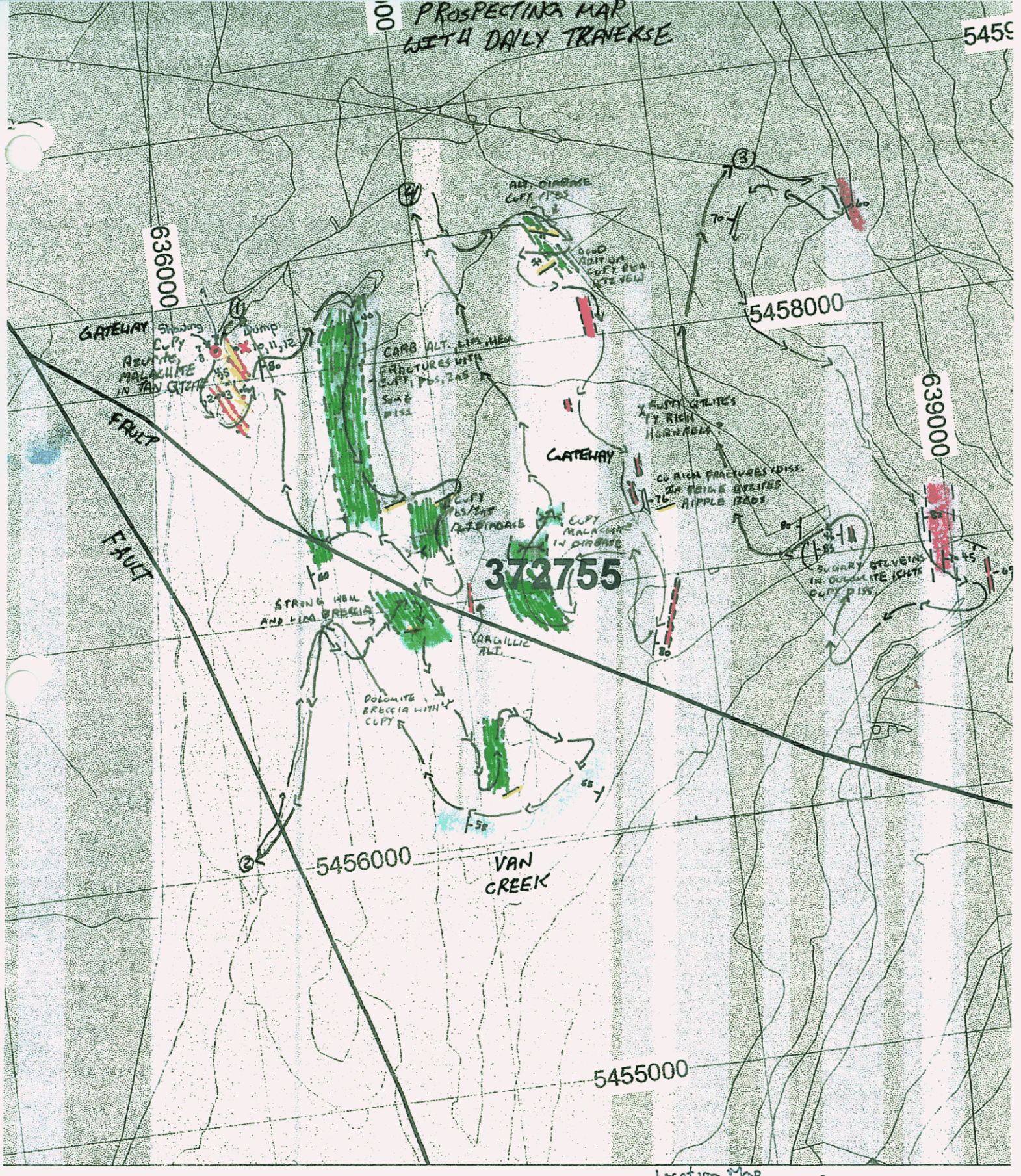
Authors Qualifications

I, Sean Kennedy, certify that:

1. I am an independent prospector residing at 272 Kimbrook Crescent, Kimberley, BC.
2. I have been actively prospecting in the East Kootenay district of BC for the past 14 years, and have made my living solely by prospecting for the past 8 years.
3. I have been employed as a professional prospector by junior mineral exploration companies.
4. I own and maintain mineral claims in BC, and have optioned claims to exploration companies

## ROCK SAMPLE LOCATIONS WITH CU IN PPM






SCALE 1 : 20,000

500 0 500 1,500

METERS

- DIABASE
- PORPHRY SYENITE
- QTZ VEIN
- PHILLIPS FM.

→ (4) → DAILY TRAVERSE

VAN CK.? (DOLOMITE)

Location Map

Maxis Samples - Wigwam Property

- Sample site
- Showing
- Dump
- Dike orientation?

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

# GEOCHEMICAL ANALYSIS CERTIFICATE

Kootenay Gold Corp. File # A702517 Page 1
156 Bay View Drive Southw, Calgary AB T2V 3N8 Submitted by: Craig Kennedy

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Au* ppb | Hg ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAX-01 | 1 | 28 | 25 | 61 | <.3 | 5 | 8 | 1129 | 2.96 | <2 | <8 | <2 | 2 | 707 | <.5 | <3 | <3 | 49 | 8.99 | .097 | 23 | 8 | 1.24 | 273 | <.01 | <20 | .32 | .03 | .14 | <2 | .5 | <10 |
| MAX-02 | 1 | 34 | 14 | 66 | <.3 | 6 | 9 | 1068 | 3.00 | 2 | <8 | <2 | 2 | 36 | <.5 | <3 | <3 | 49 | .42 | .138 | 25 | 9 | .08 | 137 | <.01 | 25 | .57 | .04 | .16 | <2 | <.5 | <10 |
| MAX-03 | 1 | 25 | 26 | 94 | <.3 | 8 | 10 | 1276 | 3.60 | 2 | <8 | <2 | 3 | 28 | <.5 | <3 | <3 | 57 | .31 | .120 | 28 | 9 | .07 | 151 | <.01 | <20 | .66 | .03 | .15 | <2 | <.5 | 24 |
| MAX-04 | 1 | 20 | 3 | 17 | <.3 | 5 | 8 | 2383 | 2.54 | <2 | <8 | <2 | <2 | 78 | <.5 | <3 | <3 | 6 | 4.20 | .041 | 2 | 3 | 1.18 | 66 | <.01 | <20 | .07 | <.01 | .05 | <2 | <.5 | 10 |
| RE MAX-04 | <1 | 21 | <3 | 18 | <.3 | 5 | 9 | 2478 | 2.57 | <2 | <8 | <2 | <2 | 78 | <.5 | <3 | <3 | 6 | 4.21 | .041 | 2 | 4 | 1.20 | 68 | <.01 | <20 | .07 | .01 | .05 | <2 | <.5 | 14 |
| MAX-05 | <1 | 14 | <3 | 2 | <.3 | 4 | 4 | 112 | .84 | 3 | <8 | <2 | <2 | 15 | <.5 | <3 | <3 | 2 | .09 | .048 | 3 | 8 | .01 | 48 | <.01 | <20 | .15 | .01 | .11 | <2 | <.5 | 13 |
| MAX-06 | 1 | 19 | 10 | 86 | <.3 | 7 | 9 | 1339 | 3.07 | <2 | <8 | <2 | 3 | 39 | <.5 | <3 | <3 | 36 | .43 | .154 | 30 | 9 | .15 | 272 | <.01 | <20 | .63 | .04 | .28 | <2 | <.5 | 11 |
| MAX-07 | 18 | 860 | 4 | 118 | 5.0 | 4 | 9 | 1300 | 1.63 | 27 | <8 | <2 | <2 | 59 | 1.3 | 361 | 11 | 3 | 2.87 | .034 | 2 | 8 | .96 | 50 | <.01 | <20 | .05 | <.01 | .04 | <2 | 18.6 | 1611 |
| MAX-08 | 35 | 1600 | 5 | 204 | 9.0 | 3 | 8 | 1190 | 1.51 | 33 | <8 | <2 | <2 | 53 | 2.3 | 535 | 19 | 3 | 2.59 | .037 | 3 | 8 | 1.00 | 36 | <.01 | <20 | .05 | <.01 | .03 | <2 | 26.6 | 3130 |
| MAX-09 | 8 | 585 | <3 | 55 | 1.4 | 3 | 4 | 1493 | 1.62 | 5 | <8 | <2 | <2 | 58 | .7 | 82 | 14 | 3 | 2.96 | .050 | 3 | 6 | .90 | 41 | <.01 | <20 | .05 | <.01 | .03 | <2 | 13.2 | 897 |
| MAX-10 | 1 | 18 | 20 | 66 | <.3 | 4 | 7 | 1480 | 3.08 | <2 | <8 | <2 | 2 | 4066 | <.5 | <3 | <3 | 54 | 9.73 | .101 | 25 | 8 | .46 | 387 | <.01 | <20 | .66 | .04 | .13 | <2 | <.5 | 10 |
| MAX-11 | <1 | 9 | 131 | 617 | <.3 | 4 | 8 | 1773 | 2.96 | <2 | <8 | <2 | 2 | 2588 | 6.3 | <3 | <3 | 48 | 8.93 | .097 | 28 | 8 | .64 | 127 | .01 | <20 | .45 | .03 | .06 | <2 | <.5 | 44 |
| MAX-12 | <1 | 26 | 6 | 57 | <.3 | 6 | 9 | 904 | 2.61 | <2 | <8 | <2 | 2 | 473 | <.5 | <3 | <3 | 29 | 4.59 | .137 | 20 | 5 | .10 | 1569 | <.01 | <20 | .35 | .03 | .25 | <2 | .7 | <10 |
| MAX-13 | 5 | 11 | 3 | 83 | <.3 | <1 | 2 | 3845 | 6.99 | <2 | <8 | <2 | <2 | 175 | .5 | <3 | 7 | 3 | 5.59 | .047 | 18 | 3 | 1.06 | 329 | <.01 | <20 | .23 | .02 | .11 | <2 | <.5 | 21 |
| MAX-14 | 3 | 4 | <3 | 111 | <.3 | 5 | 2 | 8362 | 14.10 | <2 | 8 | <2 | <2 | 39 | <.5 | <3 | 11 | 7 | .17 | .047 | 7 | 5 | .11 | 1096 | <.01 | <20 | .22 | .01 | .14 | <2 | <.5 | 22 |
| MAX-15 | 3 | 3 | 3 | 261 | <.3 | 14 | 9 | 6384 | 20.33 | <2 | 9 | <2 | <2 | 80 | 1.2 | <3 | <3 | 4 | 6.34 | .002 | 5 | 9 | .29 | 15 | <.01 | <20 | .05 | <.01 | .04 | <2 | <.5 | 12 |
| MAX-16 | 2 | 10 | 51 | 70 | <.3 | 5 | 8 | 467 | 9.26 | 1560 | <8 | <2 | 3 | 96 | <.5 | 186 | <3 | 37 | .18 | .064 | 19 | 11 | .18 | 1149 | <.01 | <20 | .53 | .03 | .19 | <2 | .5 | 1027 |
| MAX-17 | 1 | 936 | 3 | 47 | 6.1 | 6 | 9 | 1626 | 2.30 | 20 | 9 | <2 | <2 | 152 | 2.1 | 122 | 3 | 9 | 18.02 | .010 | 5 | 6 | 8.17 | 87 | <.01 | <20 | .05 | .01 | .04 | <2 | 1.0 | 3204 |
| MAX-18 | 1 | >10000 | 15 | 34 | 19.5 | 1 | <1 | 309 | 8.22 | 29 | <8 | <2 | <2 | 5 | <.5 | 10 | <3 | 3 | .15 | .001 | 2 | 10 | .02 | 78 | <.01 | <20 | .01 | <.01 | .01 | <2 | 26.7 | 116 |
| MAX-19 | 1 | 1294 | 9 | 34 | 6.9 | 4 | 2 | 281 | 2.44 | 4 | <8 | <2 | <2 | 6 | <.5 | 4 | <3 | 1 | .07 | .004 | 1 | 12 | .03 | 23 | <.01 | <20 | .02 | <.01 | .02 | <2 | 91.3 | 48 |
| STANDARD | 20 | 102 | 67 | 413 | 1.0 | 54 | 8 | 620 | 2.42 | 46 | 8 | <2 | 4 | 75 | 5.8 | 5 | <3 | 87 | .96 | .076 | 12 | 195 | 1.05 | 390 | .12 | 37 | .99 | .09 | .47 | 5 | 814.3 | 209 |

APPENDIX 1

19

Standard is STANDARD DS7/OxF41.
GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU • 1000 PPB
- SAMPLE TYPE: ROCK R150 AU* IGNITED, ACID LEACHED, ANALYZED BY ICP-MS. (15 gm) HG GROUP 1C - AQUA REGIA DIGESTION, ANALYSIS BY ICP-MS.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
All results considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Raymond Chan

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Au* ppb | Hg ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G-1 | <1 | 4 | <3 | 42 | <.3 | 4 | 3 | 484 | 1.84 | <2 | <8 | <2 | 4 | 53 | <.5 | <3 | 3 | 34 | .48 | .075 | 5 | 10 | .53 | 223 | .11 | <20 | .90 | .08 | .49 | <2 | <.5 | <10 |
| MAX-20 | 7 | 5 | <3 | 17 | <.3 | 26 | 11 | 3740 | 8.16 | 5 | <8 | <2 | <2 | 69 | <.5 | 9 | <3 | 13 | 1.63 | .018 | 1 | 21 | .11 | 439 | <.01 | <20 | .11 | <.01 | .02 | <2 | 23.9 | 71 |
| MAX-21 | 2 | 5 | 8 | 176 | <.3 | 1 | 2 | 763 | 7.50 | <2 | <8 | <2 | 4 | 15 | <.5 | 3 | <3 | 2 | .75 | .069 | 25 | 5 | .08 | 16 | .02 | <20 | .33 | .05 | .05 | <2 | 5.6 | <10 |
| MAX-22 | 3 | 2 | 7 | 226 | <.3 | 2 | 3 | 2802 | 7.11 | <2 | <8 | <2 | 3 | 16 | <.5 | <3 | <3 | 2 | .26 | .076 | 27 | 5 | .06 | 137 | <.01 | <20 | .38 | .04 | .07 | <2 | 6.6 | 18 |
| MAX-23 | 5 | 29 | 107 | 828 | .4 | 3 | 4 | 518 | 8.52 | <2 | <8 | <2 | 3 | 109 | .6 | <3 | <3 | 1 | 1.10 | .060 | 44 | 5 | 1.04 | 45 | <.01 | <20 | 1.93 | .01 | .11 | <2 | 1.6 | 47 |
| MAX-24 | 2 | 24 | 10 | 508 | <.3 | 3 | 3 | 440 | 9.01 | <2 | <8 | <2 | 6 | 39 | <.5 | <3 | <3 | 1 | 1.10 | .042 | 104 | 12 | .74 | 49 | <.01 | <20 | .46 | .01 | .10 | <2 | 3.2 | 35 |
| MAX-25 | 3 | 4 | 1146 | 53 | .6 | <1 | 1 | 1678 | 4.15 | <2 | <8 | <2 | 3 | 90 | .9 | 5 | 4 | 1 | 4.72 | .073 | 22 | 3 | .36 | 53 | <.01 | <20 | .42 | .01 | .20 | <2 | 1.9 | 55 |
| MAX-26 | 1 | 41 | 6 | 116 | <.3 | <1 | 2 | 6674 | 13.86 | <2 | 8 | <2 | 4 | 149 | .5 | <3 | <3 | <1 | 3.39 | .048 | 35 | 4 | 1.64 | 63 | <.01 | <20 | .29 | .01 | .13 | <2 | 3.6 | <10 |
| MAX-27 | 1 | 4 | 6 | 105 | <.3 | <1 | 2 | 4718 | 12.64 | <2 | <8 | <2 | 4 | 111 | <.5 | <3 | <3 | <1 | 2.43 | .042 | 36 | 4 | 1.33 | 49 | <.01 | <20 | .27 | <.01 | .15 | <2 | 2.0 | <10 |
| MAX-28 | 3 | 8 | <3 | 212 | <.3 | 3 | 5 | 468 | 8.80 | 2 | <8 | <2 | 6 | 47 | <.5 | <3 | <3 | 2 | .14 | .069 | 63 | 7 | .06 | 104 | <.01 | <20 | .46 | <.01 | .18 | <2 | 3.8 | 15 |
| MAX-29 | 3 | 186 | 1168 | 2636 | .5 | <1 | 2 | 1140 | 6.49 | <2 | <8 | <2 | 3 | 128 | 13.7 | <3 | <3 | 1 | 2.73 | .074 | 16 | 3 | .38 | 39 | .01 | <20 | .96 | .04 | .07 | <2 | 2.2 | 3589 |
| MAX-30 | <1 | 4 | 1373 | 13 | .9 | 1 | <1 | 265 | .67 | <2 | <8 | <2 | <2 | 5 | <.5 | <3 | <3 | <1 | .35 | .001 | <1 | 15 | .01 | 7 | <.01 | <20 | .02 | <.01 | .01 | <2 | 7.2 | 30 |
| MAX-31 | 1 | 1434 | 822 | 94 | .9 | 1 | 1 | 337 | 1.14 | <2 | <8 | <2 | <2 | 8 | .8 | <3 | <3 | 1 | .43 | .003 | 2 | 10 | .02 | 16 | <.01 | <20 | .05 | <.01 | .04 | <2 | 3.0 | 502 |
| MAX-32 | <1 | 541 | 25 | 24 | <.3 | 1 | 1 | 872 | 1.76 | <2 | <8 | <2 | <2 | 16 | .6 | <3 | 3 | 1 | 1.09 | .001 | <1 | 10 | .03 | 7 | <.01 | <20 | .01 | .01 | .01 | <2 | 3.7 | 31 |
| MAX-33 | 3 | 36 | 14 | 123 | <.3 | 1 | 2 | 1380 | 6.72 | 3 | <8 | <2 | 5 | 13 | <.5 | <3 | <3 | 2 | .26 | .126 | 47 | 5 | .04 | 155 | <.01 | <20 | .52 | .03 | .12 | <2 | 1.0 | 15 |
| MAX-34 | <1 | 5 | 4 | 31 | <.3 | 1 | 1 | 2143 | 4.17 | <2 | <8 | <2 | <2 | 185 | .7 | <3 | <3 | 1 | 4.34 | .003 | 3 | 10 | .81 | 15 | <.01 | <20 | .04 | .01 | .04 | <2 | 2.6 | 11 |
| MAX-35 | 3 | 7 | 12 | 219 | <.3 | <1 | 2 | 2144 | 7.44 | <2 | <8 | <2 | 6 | 13 | .5 | 3 | <3 | 1 | .36 | .099 | 62 | 5 | .04 | 366 | .01 | <20 | .46 | .04 | .16 | <2 | .6 | 63 |
| MAX-36 | 1 | 15 | 3 | 12 | <.3 | 1 | 1 | 467 | 1.48 | <2 | <8 | <2 | <2 | 18 | <.5 | <3 | <3 | 1 | .62 | .008 | 5 | 12 | .08 | 24 | <.01 | <20 | .07 | .01 | .08 | <2 | 3.0 | 41 |
| MAX-37 | 2 | 7 | 5 | 16 | <.3 | 1 | 1 | 580 | 1.81 | 2 | <8 | <2 | <2 | 21 | <.5 | 3 | <3 | 1 | .93 | .011 | 4 | 12 | .07 | 23 | <.01 | <20 | .08 | .01 | .09 | <2 | 1.4 | 69 |
| MAX-38 | 2 | 1 | 21 | 62 | <.3 | 1 | 2 | 3655 | 7.49 | <2 | <8 | <2 | <2 | 124 | .9 | <3 | <3 | 1 | 7.63 | .075 | 12 | 4 | .29 | 44 | <.01 | <20 | .30 | <.01 | .23 | <2 | .5 | 50 |
| MAX-39 | 2 | 8 | 8 | 79 | <.3 | 2 | 2 | 1962 | 7.15 | <2 | <8 | <2 | 3 | 24 | .7 | <3 | <3 | 1 | 1.35 | .125 | 29 | 3 | .08 | 115 | <.01 | <20 | .51 | <.01 | .20 | <2 | .7 | 109 |
| MAX-40 | 4 | 111 | 8 | 68 | <.3 | 12 | 16 | 2323 | 4.47 | 23 | <8 | <2 | <2 | 108 | 1.1 | 4 | <3 | 3 | 12.74 | .016 | 2 | 5 | .85 | 39 | <.01 | <20 | .10 | <.01 | .03 | <2 | <.5 | 36 |
| MAX-41 | 3 | 7 | 8 | 148 | <.3 | 1 | 2 | 2363 | 8.22 | <2 | <8 | <2 | 5 | 23 | <.5 | <3 | <3 | 2 | .26 | .108 | 41 | 5 | .02 | 113 | <.01 | <20 | .43 | .04 | .07 | <2 | <.5 | 71 |
| MAX-42 | 1 | 20 | 992 | 101 | <.3 | 1 | 2 | 1243 | 8.09 | 2 | <8 | <2 | <2 | 7 | <.5 | <3 | <3 | 2 | .18 | .010 | 4 | 8 | .05 | 140 | <.01 | <20 | .08 | .01 | .05 | <2 | 1.5 | 22 |
| RE MAX-42 | 2 | 20 | 1004 | 99 | .4 | 1 | 2 | 1220 | 8.20 | <2 | <8 | <2 | <2 | 7 | <.5 | <3 | <3 | 2 | .18 | .010 | 4 | 10 | .05 | 140 | <.01 | <20 | .08 | .01 | .05 | <2 | 1.6 | 19 |
| MAX-43 | 3 | 159 | 7 | 59 | <.3 | 1 | 2 | 1352 | 6.43 | 2 | <8 | <2 | 4 | 13 | <.5 | <3 | <3 | 1 | .24 | .108 | 28 | 6 | .04 | 81 | <.01 | <20 | .36 | .05 | .18 | <2 | 1.2 | 20 |
| MAX-44 | 2 | 4 | 14 | 133 | <.3 | 1 | 1 | 1614 | 5.84 | <2 | 8 | <2 | 5 | 65 | .8 | 3 | <3 | 1 | 1.65 | .059 | 37 | 4 | .40 | 81 | <.01 | <20 | .28 | .03 | .19 | <2 | <.5 | 17 |
| MAX-45 | <1 | 4 | 272 | 152 | <.3 | 1 | <1 | 294 | 1.06 | <2 | <8 | <2 | <2 | 22 | .9 | <3 | <3 | 1 | .41 | .006 | 3 | 14 | .06 | 38 | <.01 | <20 | .04 | .01 | .03 | <2 | .9 | 364 |
| MAX-46 | 1 | >10000 | <3 | 76 | .3 | 3 | 2 | 103 | 10.84 | <2 | <8 | <2 | <2 | 2 | .5 | <3 | <3 | 2 | .01 | .002 | 3 | 12 | .01 | 3 | <.01 | <20 | .02 | <.01 | .01 | <2 | .6 | 27 |
| MAX-47 | <1 | >10000 | 5 | 38 | <.3 | 2 | 1 | 64 | 5.36 | <2 | <8 | 2 | <2 | 4 | .5 | 3 | <3 | 2 | .02 | .003 | 2 | 21 | .01 | 6 | <.01 | <20 | .03 | <.01 | .01 | <2 | .6 | 19 |
| MAX-48 | 3 | 6994 | 10 | 8 | .8 | 1 | <1 | 65 | 2.58 | 8 | <8 | <2 | <2 | 113 | .6 | 12 | <3 | 1 | .01 | .016 | 1 | 11 | <.01 | 77 | <.01 | <20 | .09 | <.01 | .03 | <2 | 2.2 | 103 |
| MAX-48A | 4 | >10000 | 12 | 13 | 2.4 | 2 | 1 | 123 | 3.69 | 22 | <8 | <2 | <2 | 42 | .7 | 70 | <3 | 1 | .01 | .010 | 2 | 13 | <.01 | 33 | <.01 | <20 | .06 | <.01 | .03 | <2 | 3.1 | 543 |
| MAX-49 | <1 | 132 | 28 | 56 | <.3 | 5 | 3 | 635 | 1.69 | <2 | <8 | <2 | 2 | 232 | <.5 | <3 | <3 | 18 | .82 | .054 | 9 | 12 | .31 | 165 | .05 | <20 | .90 | .06 | .14 | <2 | 1.9 | 11 |
| MAX-50 | <1 | 1037 | 7 | 50 | 7.1 | 7 | 2 | 1445 | 2.45 | 11 | <8 | <2 | <2 | 172 | 1.6 | 54 | <3 | 3 | 11.96 | .002 | 1 | 5 | 4.41 | 37 | <.01 | <20 | .01 | .01 | .01 | 2 | 3.3 | 758 |
| MAX-51 | <1 | 2321 | 434 | 91 | 3.9 | 2 | 3 | 444 | .93 | 34 | 9 | <2 | <2 | 37 | 2.6 | 70 | <3 | 4 | 2.29 | .014 | 3 | 8 | 1.14 | 667 | <.01 | <20 | .13 | <.01 | .09 | <2 | 17.6 | 914 |
| MAX-52 | <1 | 1485 | 656 | 76 | 18.0 | 2 | 2 | 336 | .76 | 130 | <8 | <2 | <2 | 39 | 1.9 | 164 | <3 | 4 | 2.08 | .022 | 3 | 7 | 1.04 | 1432 | <.01 | <20 | .15 | <.01 | .11 | <2 | 53.3 | 1495 |
| MAX-53 | <1 | 65 | 11 | 45 | <.3 | 81 | 6 | 600 | 1.40 | 2 | <8 | <2 | 3 | 273 | <.5 | 3 | <3 | 16 | 2.29 | .015 | 7 | 88 | .53 | 172 | <.01 | <20 | .35 | .05 | .16 | 2 | 2.0 | 21 |
| MAX-54 | 1 | 556 | 101 | 20 | .5 | 21 | 51 | 1123 | 1.85 | 7 | <8 | <2 | 3 | 37 | .5 | <3 | 6 | 5 | 6.74 | .034 | 8 | 7 | 3.32 | 737 | <.01 | <20 | .25 | <.01 | .14 | <2 | 12.1 | 104 |
| STANDARD | 19 | 116 | 72 | 446 | .9 | 49 | 8 | 595 | 2.27 | 48 | <8 | <2 | 4 | 65 | 5.8 | 6 | 4 | 73 | .85 | .073 | 10 | 162 | .98 | 373 | .11 | 32 | .93 | .08 | .44 | 4 | 750.3 | 196 |

Standard is STANDARD DS7/OxF41. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Au* ppb | Hg ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G-1 | <1 | 4 | <3 | 46 | <.3 | 4 | 4 | 529 | 1.94 | <2 | <8 | <2 | 4 | 59 | <.5 | <3 | <3 | 36 | .53 | .080 | 6 | 9 | .58 | 225 | .14 | <20 | .95 | .09 | .51 | <2 | 1.0 | <10 |
| MAX-55 | <1 | 1690 | 293 | 17 | .9 | 13 | 47 | 1632 | 2.08 | 6 | <8 | <2 | 3 | 41 | <.5 | <3 | 23 | 3 | 9.14 | .032 | 9 | 4 | 5.14 | 151 | <.01 | <20 | .18 | <.01 | .14 | <2 | 12.8 | 111 |
| MAX-56 | 1 | 17 | 23 | 60 | <.3 | 5 | 4 | 682 | 1.98 | <2 | <8 | <2 | 4 | 8 | <.5 | <3 | <3 | 31 | .11 | .039 | 10 | 8 | .03 | 130 | <.01 | <20 | .57 | <.01 | .08 | <2 | 1.4 | 12 |
| STANDARD DS7/OxF41 | 18 | 96 | 63 | 390 | .9 | 51 | 8 | 596 | 2.29 | 47 | <8 | <2 | 4 | 68 | 5.8 | 4 | 3 | 80 | .88 | .073 | 11 | 169 | .99 | 368 | .12 | 34 | .95 | .09 | .43 | 4 | 749.7 | 192 |

Sample type: ROCK R150.



sta 1 FA

ACME ANALYTICAL

## Kootenay Gold Inc. FILE # A704736



ACME ANALYTICAL

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Au* ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAX57 | 1 | 106 | 8 | 135 | <.3 | 61 | 40 | 1256 | 9.24 | 7 | <8 | <2 | <2 | 53 | .8 | <3 | 4 | 175 | 3.42 | .136 | 19 | 52 | 3.35 | 250 | <.01 | <20 | .86 | .01 | .01 | <2 | <.5 |
| MAX58 | 1 | 40 | 359 | 149 | .4 | 10 | 7 | 2920 | 3.55 | 4 | <8 | <2 | 6 | 36 | .6 | <3 | <3 | 22 | 7.11 | .030 | 20 | 13 | 3.49 | 30 | <.01 | <20 | .54 | .02 | <.01 | <2 | <.5 |
| [redacted] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STANDARD DS7/OxF41 | 19 | 113 | 66 | 402 | 1.1 | 53 | 8 | 627 | 2.37 | 33 | <8 | <2 | 4 | 73 | 5.6 | 3 | 5 | 82 | .93 | .073 | 12 | 189 | 1.04 | 389 | .12 | 35 | .99 | .09 | .46 | 5 | 748.8 |

Sample type: ROCK R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

# APPENDIX 2

## Rock Sample Locations and Descriptions

## Maxiwam Property

| Sample # | UTM E | UTM N | Description |
|---|---|---|---|
| Max-1,2,3 | 636150 | 5457967 | Altered syenite dyke, py, Mn, carb alt, hematite, qtz |
| 4 | 636184 | 5458023 | Siltstone/qtzite, qtz veins with lim and carb alt |
| 5 | 636185 | 5458012 | Micro qtz veins with py in qtzite |
| 6 | 636279 | 5458051 | Weak jarosite, some hem on fractures in propylitic syenite |
| 7,8 | 636190 | 5458143 | Maxiwam pit, Cupy, malachite, azurite in thin bedded qtzites and silts |
| 9 | 636204 | 5458160 | Cupy along fractures in qtzite, carb alt, Mn |
| 10,11,12 | 636252 | 5458141 | Altered syenite, Mn, qtz veinlets, carb alt, specularite, some hematite breccia |
| 13 | 636723 | 5458015 | Subcropping diabase, hematite and carb alt, qtz/calcite veins with lim/py, sericite |
| 14 | 636723 | 5458015 | Qtz vein in diabase, black limonite |
| 15 | 636718 | 5457898 | 310 degree trending pits located in iron-carbonate/qtz/calcite veins, lim/py lots of sericite, hematite, minor PbS |
| 16 | 637829 | 5456792 | Porphyritic syenite breccia, limonite, qtz |
| 17 | 637753 | 5456719 | Brecciated stromatalites, qtz/carb/calcite veins, malachite, CuPy, 4 m wide zone bedding strikes 20, dips 80 SE, near a potassic altered porphry dike |
| 18,19 | 637320 | 5456967 | Trenches in altered diabase, brecciated zones with qtz/carb veins, lim/py/CuPy |
| 20 | 636615 | 5457878 | Massive lim/Mn breccia, carb alt, py, in sericitic diabase, in float |
| 21 | 636674 | 5457859 | Fine grained diabase, carb alt, hematite veins, sericite, Mn |
| 22 | 636700 | 5457854 | Carb alt diabase, qtz/carb veins with lim, Mn |
| 23 | 636656 | 5457797 | Judy Lou-ish intrusion(?) carb alt, qtz carb veins, hematite, py, PbS, green fragments in qtz veins, PbS, CuPy, subcrop |
| 24 | 636650 | 5457803 | Silicified Judy-Lou(?) breccia, CuPy, fresh py, PbS, subcrop |
| 25 | 636650 | 5457803 | Carb alt diabase, qtz veins with PbS |
| 26,27 | 636663 | 5457496 | Diabase, qtz/carb veins/breccia, CuPy, hem, py, PbS, ZnS, Mn, sericite, NS trend |
| 28 | 636607 | 5457398 | Old trenches dug on diabase, carb alt, hem, lim wad, 10 degree trending |
| 29 | 636627 | 5457357 | Fresher looking diabase, more chlorite, qtz veins with CuPy, PbS, ZnS, sulphide is also rimming chlorite chlots, veins strike 60 and dip 75 NW |
| 30 | 636887 | 5457219 | Qtz veining in diabase, PbS, carb alt, some disseminated sulphide, EW trench |

| | | | |
|---|---|---|---|
| 31 | 636887 | 5457219 | Same trenches as 30, qtz veins with CuPy, malachite, hosted by diabase |
| 32 | 636842 | 5457208 | Same material as 31, 60 degree trending veins |
| 33 | 636688 | 5456948 | Brecciated diabase(?), carb/hem veins, py, qtz, sericite, albitic(?), Mn |
| 34 | 636688 | 5456948 | Qtz vein float with lots of fresh py, carb, sericite |
| 35 | 636799 | 5456943 | Same as #33, very strong hematite breccia |
| 36,37 | 636799 | 5456918 | Series of pits on EW trend on 1.5 m wide qtz vein cutting diabase, qtz/carb veins, lim, sericite, Mn, hem, vein is "resilicified" |
| 38 | 636799 | 5456918 | Altered diabase with narrow "banded" qtz veins, lots of sericite and anchorite lim/py |
| 39 | 636851 | 5456855 | Same as last |
| 40 | 636992 | 5456580 | Old trenches in dolomite breccia, qtz/carb veins, py, CuPy |
| 41 | 637044 | 5456484 | Carb alt hematite brecciated diabase, Mn, limonite |
| 42 | 637152 | 5456443 | Same as last |
| 43 | 637078 | 5456319 | 1 m wide bull qtz vein cutting diabase, lim/py, carb alt |
| 44 | 637438 | 5458446 | Diabase subcrop, carb alt, narrow qtz veins with lim/py, sericite |
| 45 | 637470 | 5458425 | Same as last, with PbS |
| 46,47 | 637517 | 5458269 | Well developed adit on 1 m wide qtz vein, 60 degree trend, carb/calcite veins parallel, CuPy, malachite, grey Cu, PbS, py/lim, hem alt, hosted by diabase |
| 48 | 637517 | 5458269 | Qtz vein with CuPy, malachite |
| 49 | 637639 | 5458130 | Syenite outcrop, qtz grains with tourmaline, pink feldspars, clotted chlorite, CuPy, epidote, porphry textured |
| 50 | 637823 | 5457202 | 350 degree trending trench, silicified dolomites, nearly vertical bedding, qtz calcite veins with lim/py, malachite, CuPy, azurite, veins trend 70 |
| 51,52 | 637818 | 5457245 | Cu rich fractures in beige qtzites, some disseminated CuPy, PbS, azurite, scorodite, interbedded dolomites with and ripple bed tops, 2 m wide zone |
| 53 | 639151 | 5456948 | Syenite porphry dyke, k-spars, sericite alt, hem fractures, carb alt, qtz veins, py, greenish chlots, hornblende, chlorite |
| 54,55 | 638433 | 5457080 | Narrow qtz-crystal-vug-veins in tan dolomite, CuPy, malachite |
| 56 | 637041 | 5457037 | Argillic altered porphry syenite, limonitic, carbonate altered, some qtz |
| 57 | 637602 | 5453002 | Siliceous grey/blue unit, carbonate rind, diss py, CuPy, hematite, qtz veins |
| 58 | 637585 | 5453017 | Same as last, PbS(?) |