Rock Geochemistry Report
Devil Mineral Claims
NTS Mapsheet 82L 07/08/09

Vernon Mining Division
Southern British Columbia

Work Performed Summer 2009

Owners:
Tom Kennedy
Operator:
Kootenay Gold Inc.
Vancouver, BC

Report Written By Sean Kennedy, Prospector
October 2009
TYPE OF REPORT [type of survey(s)]: Rock Geochemistry

AUTHOR(S): Sean Kennedy

SIGNATURE(S):  

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):  
YEAR OF WORK: 2009

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 4332708

PROPERTY NAME: Devil

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

COMMODITIES SOUGHT: Gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Vernon

NTS/BCGS:  

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

OWNER(S):
1) Tom Kennedy
2)  

MAILING ADDRESS:
2290 DeWolfe Ave
Kimberley, BC

OPERATOR(S) [who paid for the work]:
1) Kootenay Gold Inc
2)  

MAILING ADDRESS:
Kootenay Gold Inc. Suite 920 - 1055 W. Hastings St.
Vancouver, British Columbia

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Gold mineralization in quartz veins hosted in Jurassic Spruce Grove granite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
<table>
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<th>ON WHICH CLAIMS</th>
<th>PROJECT COSTS APPORTIONED (incl. support)</th>
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| "GEOCHEMICAL (number of samples analysed for..."
| Soil                        |                                  |                |                                          |
| Silt                        |                                  |                |                                          |
| Rock 32 rock samples, includes wages for collection | All | $6,268 |
| Other Report                |                                  |                |                                          |
|                            |                                  |                |                                          |
| "DRILLING (total metres; number of holes, size)"
| Core                        |                                  |                |                                          |
| Non-core                    |                                  |                |                                          |
| "RELATED TECHNICAL"
| Sampling/assaying           |                                  |                |                                          |
| Petrographic                |                                  |                |                                          |
| Mineralographic             |                                  |                |                                          |
| Metallurgical               |                                  |                |                                          |
| "PROSPECTING (scale, area)"
|                            |                                  |                |                                          |
| "PREPARATORY / PHYSICAL"
| Line/grid (kilometres)      |                                  |                |                                          |
| Topographic/Photogrammetric (scale, area) |                  |                |                                          |
| Legal surveys (scale, area) |                                  |                |                                          |
| Road, local access (kilometres)/trail |                      |                |                                          |
| Trench (metres)             |                                  |                |                                          |
| Underground dev. (metres)   |                                  |                |                                          |
| Other                       |                                  |                |                                          |
| TOTAL COST: $6,968           |                                  |                |                                          |
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Introduction

During the summer of 2009 a rock geochemistry program was undertaken on the Devil claims as a follow up to a biogeochemistry survey completed on the property in late fall of 2007. Gold and multi-element biogeochemistry anomalies were examined with two separate groups of prospectors. Each area was scoured for rock to sample which was hoped to explain the biogeochemical anomalies. However the majority of the biogeochemistry anomalies did not have any outcrop or subcrop and therefore samples collected were limited.

Location and Access

The Devil claims are located approximately 30 kilometres southeast of the community of Cherryville in the headwaters of the Kettle River and Inonoaklin Creek in the Monashee Pass. Highway 6 dissects the property along its northern margin. Access is provided by a number of well maintained logging roads that branch off of Highway 6 both to the north and to the south.

Property

A table of tenure numbers and corresponding claim names is included below.

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Physiography

Topography is generally gentle as most of the mountains are rolling and hilly. Elevation on the property ranges from 1200 metres in valley bottoms to over 1900 metres at the top of mountains. The property is entirely below tree line; tree species include spruce, balsam, lodgepole pine, and cedar/hemlock in wetter areas. Topographic lows and flat spots are often occupied by bogs. The area has seen extensive road building and logging, much of the property is clearcut and in various stages of regeneration.
Claim map with regional location in top right

**History**

To date no old workings have been located on the Devil. The area has been held by a number of mining exploration companies with most exploration taking place in the late 1970's and early 1980's. The area had been targeted as a potential porphyry and precious metal vein district; lack of bedrock exposure and till cover hampered these programs.

In 2007 Kootenay Gold Inc completed a reconnaissance style prospecting program discovering a number of new multigram gold occurrences associated with quartz veins and alteration within new bedrock exposures uncovered due to logging and road building. The area was initially targeted because of suspect regional magnetic features that coincide with a major lithological break. The Devil claims occupy an important transition in the regional geology from granite dominated domains to the south and volcanic/sediment dominated lithologies to the north. In addition to this a number of Tertiary extension faults exist in the region and are known to be important focuses for mineralization, these include the Bevan Fault on the eastern portion of the property.
After gold was discovered by prospecting, follow up work failed to discover any new showings due to a significant lack of outcrop off of existing roads and clearcuts. At this juncture a program of biogeochemistry was elected upon partly because of the recent success of this method by Roca Mines at their Max molybdenum mine. The biogeochemical survey was controlled by selecting the same species/relative age of tree (in this case Engelman Spruce) from each site, snipping the end foliage of a branch and assaying for a multi-element package. The program was intended to test the underlying geology below a cover of glacial till that soil sampling would not be able to see through. The majority of the claims were covered by taking foliage samples along existing roads which ended up giving a consistent ground cover. A number of anomalies were highlighted, some of which coincide with gold showings previously discovered by prospecting.

Geology

The Devil is mostly underlain by the two phase Jurassic age Spruce Grove Batholith. One phase is a medium to coarsely crystalline biotite (+/- hornblende) granodiorite. Typically it contains 10-30% biotite with accessory hornblende up to 10%. The granodiorite is often seen to be weakly foliated. Another phase of the Spruce Grove is as leucocratic granite, weakly foliated with medium to coarse feldspar/quartz, less than 10% biotite, containing sericite, and is often bleached. In the southeast portion of the claims, across the Tertiary Bevan Fault, is an exposure of Triassic (possibly older) black phyllite schist, micaceous quartzite, calcareous schist and marble. There is also an exposure of the Cretaceous age Whatshan Lake Batholith, a leucocratic, potassium feldspar (megacrystic), hornblende-bearing quartz monzonite. Lamprophyres are common and are typically brown-weathering, biotite-potassium feldspar, fine to medium crystalline dikes up to 20 metres wide. Mafic dikes that contain hornblende and plagioclase (diabase/gabbro) are also common.

Rock Geochemistry

The present program was undertaken to follow up the aforementioned biogeochemistry survey. An overlay of multi-element anomalies for Au, As, and Mo was drafted. These anomalies, as well as spot highs for single element anomalies of Au, As, and Mo, were inspected on the ground by two groups of prospectors over four days. Sixteen rock samples were collected from these anomalous areas, an additional sixteen samples were taken from an area of brecciation and open-space quartz fills within altered granite. This area had been previously sampled with weakly anomalous gold values obtained. Therefore another pass of higher density sampling was initiated in this area after the biogeochemistry follow up. All samples were sent into Acme Analytical Labs and analyzed for a 36 element package with Au in ppb. Sample locations with gold values in ppb are included in the sleeve.

Rock sampling in the area of the biogeochem anomalies provided mixed results. A number of anomalous areas for gold were not prospected as they overlay areas where previous prospecting had already found multigram gold in bedrock. One sample containing 2,486 ppb Au was taken from an area of anomalous vegetation. This zone coincided with weakly anomalous values in rocks from previous sampling. This area was characterized by thin mm scaled quartz veins with sericite and pyrite/limonite alteration and argillic fault gouge in the host granodiorite. All the other anomalous zones failed to
produce any significant results. This is partially due to lack of bedrock exposure, however, because the foliage samples were collected from existing logging roads and skid trails a number of the anomalous areas had good bedrock exposure in ditch lines. While them majority of biogeochem anomalies were investigated very few samples were collected due to a lack of outcrop. A number of the biogeochem anomalies coincided with topographic lows that contain bogs. A number of the anomalies remain enigmatic.

**Conclusions and Recommendations**

During the summer of 2009 a program of rock geochemistry was undertaken on the Devil claims in southern British Columbia to follow up a number of biogeochemical anomalies from a previous survey completed on the project. Limited outcrop occurrences at each of the anomalies allowed for only sixteen samples to be collected with the highest gold value obtained at 2,486 ppb. Results of the program were mixed as a few of the anomalous areas did have good bedrock exposure yet contained little to no visible alterations or structure. A number of the anomalies were occupied by boggy areas. Sixteen other samples were collected from an openspace- quartz breccia, the highest gold returned was 47 ppb.

At this point it is recommended that zones of gold mineralization discovered in the initial prospecting program be trenched and channel sampled. These zones should be prioritized and treated as “leads”. Reconnaissance soil sampling and ground based geophysics could be used to try to tighten these areas down for additional trenching.

**Statement of Costs**

Costs were accrued from August 6 to August 9 2009

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**Statement of 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 15 years.

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

4. I own and maintain mineral claims in BC.
APPENDIX

SAMPLE LOCATIONS/DESCRIPTIONS

SK09-162 389635 5545153 carb and arg alt'd granite, hairline fractures, composite of narrow gouge, sericite, lamroid proximal, 340 degree trend
SK09-163 389554 5545101 same as above, hairline fractures with qtz/Mn/goe/green feldspar/sericite
SK09-164 389554 5545101 same as above, hem/Py/Qtz
SK09-165 389527 5545101 same as 163
SK09-166 389371 5545102 same as above, with sheeted veins, end of zone
SK09-167 389885 5546472 rusty crystalline qtz float, 2 angular pieces, arg alt'd granite margins, hem and Mn, poor o/c
SK09-168 397288 5542485 pretty good outcrop, some lamproids in a relatively fresh granite, biotite alt'd to chlorite, foliated granite o/c, sugary white qtz veins
SK09-169 397169 5542152 greissen zone, some white qtz and Mn, fresh granite with a swamp where the anomaly is
SK09-170 396654 5542075 arg/goe-rich gouge in foliated granite, near lamroid
SK09-171 397229 5543750 recessive granite/sand, rusty
SK09-172 397077 5543649 lamroid dykes cutting foliated granite, carb alt, calcite, some qtz, Py, Mn
SK09-173 394223 5542001 N5 trending zone of Py-rich fractures >30cm wide, in metaseds, mafic sills around
SK09-174 394168 5541995 320 trending zone >1M wide of qtz (sugary white) veins in metaseds, Py, chloritic, at granite contact
SK09-175 394000 5541886 Foliation parallel qtz vein in granite, Mn and chlorite, some pink stain
SK09-176 394128 5541518 Goe and hem along fractures with open space sugary qtz veins in granite
SK09-177 393766 5541831 Weak carb alt with qtz veins and ser/chlorite in granite
SK09-178 398882 5544059 open-space qtz breccia, ser, goe, hem, carb
SK09-179 398818 5544124 open-space qtz breccia, ser, goe, hem, carb
SK09-180 398799 5544149 open-space qtz breccia, ser, goe, hem, carb
SK09-181 398785 5544137 open-space qtz breccia, ser, goe, hem, carb
SK09-182 398839 5544090 open-space qtz breccia, ser, goe, hem, carb
SK09-183 398831 5544096 open-space qtz breccia, ser, goe, hem, carb
SK09-184 398827 5544108 open-space qtz breccia, ser, goe, hem, carb
SK09-185 398797 5544109 open-space qtz breccia, ser, goe, hem, carb
SK09-186 398793 5544124 open-space qtz breccia, ser, goe, hem, carb
SK09-187 398789 5544121 open-space qtz breccia, ser, goe, hem, carb
SK09-188 398822 5544117 open-space qtz breccia, ser, goe, hem, carb
SK09-189 398825 5544119 open-space qtz breccia, ser, goe, hem, carb
SK09-190 398849 5544092 open-space qtz breccia, ser, goe, hem, carb
SK09-191 398852 5544092 open-space qtz breccia, ser, goe, hem, carb
SK09-192 398882 5544119 open-space qtz breccia, ser, goe, hem, carb
SK09-193 398809 5544108 open-space qtz breccia, ser, goe, hem, carb

Carb and arg alt'd granite, hairline fractures, composite of narrow gouge, sericite, lamroid proximal, 340 degree trend.

Sample locations and descriptions are provided for SK09-162 to SK09-193. Each location includes a description of the sample, such as "carb and arg alt'd granite, hairline fractures, composite of narrow gouge, sericite, lamroid proximal, 340 degree trend."
### Certificate of Analysis

**Client:** Kootenay Gold Inc.  
Suite 960 - 1055 W. Hastings St.  
Vancouver BC V6E 2E9 Canada

**Project:** MONASHEE DEVIL  
**Report Date:** August 31, 2009

**Page:** 2 of 3  
**Part:** 1

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  - Rock  
  - Wght: 0.59 kg

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.
### CERTIFICATE OF ANALYSIS

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#### Analytes:

- **SK09-162** Rock
- **SK09-163** Rock
- **SK09-164** Rock
- **SK09-165** Rock
- **SK09-166** Rock
- **SK09-167** Rock
- **SK09-168** Rock
- **SK09-169** Rock
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- **SK09-187** Rock
- **SK09-188** Rock
- **SK09-189** Rock
- **SK09-190** Rock
- **SK09-191** Rock

#### Results:

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East
Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

CERTIFICATE OF ANALYSIS

VAN09003593.2

This report supersedes all previous preliminary and final reports with the 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.

Client: Kootenay Gold Inc.
Suite 960 - 1055 W. Hastings St.
Vancouver BC V6E 2E9 Canada

Project: MONASHEE DEVIL
Report Date: August 31, 2009
## CERTIFICATE OF ANALYSIS

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### Samples

**SK09-192 Rock**

- Wgt: 0.76
- Mo: 0.1
- Cu: 1.2
- Pb: 4.6
- Zn: 2
- Ag: 0.5
- Ni: 1.7
- Co: 4.5
- Mn: 43
- Fe: <0.5
- As: 0.4
- U: 8.2
- Au: 4.5
- Th: 13
- Sr: <0.1
- Cd: 0.9
- Sb: 3
- Bi: 0.07
- V: 3
- Ca: 0.7

**SK09-193 Rock**

- Wgt: 0.79
- Mo: 0.2
- Cu: 3.1
- Pb: 2.2
- Zn: 9
- Ag: 0.3
- Ni: 1.8
- Co: 4.4
- Mn: 666
- Fe: <0.5
- As: 0.8
- U: 40.6
- Au: 3.0
- Th: 11
- Sr: <0.1
- Cd: 0.4
- Sb: 3
- Bi: 0.04
- V: 3
- Ca: 0.7

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## CERTIFICATE OF ANALYSIS

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
| Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Ti | S | Ga | Se |
| Unit | % ppm | ppm | % ppm | % ppm | % ppm | % ppm | % ppm | % ppm | % ppm | % ppm | % ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.01 | 0.01 | 0.1 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |

| SK09-192 | Rock | 0.058 | 7 | 3 | 0.01 | 117 | 0.001 | <1 | 0.20 | 0.010 | 0.16 | <0.1 | 0.5 | 0.1 | 0.19 | <1 | 0.9 |
| SK09-193 | Rock | 0.036 | 8 | 5 | 0.02 | 56 | 0.001 | <1 | 0.29 | 0.012 | 0.16 | <0.1 | 0.5 | <0.1 | 0.11 | <1 | 2.4 |

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