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Rock Geochemistry Report

IQ Mineral Claims

**BC Geological Survey
Assessment Report
30532**

Fort Steele Mining Division

Southeast BC

Work Performed Summer 2008

Owners:

Sean Kennedy

Operator:

Kootenay Gold Inc.

Vancouver, BC

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
30,532

Report Written By Sean Kennedy, Prospector

January 2009

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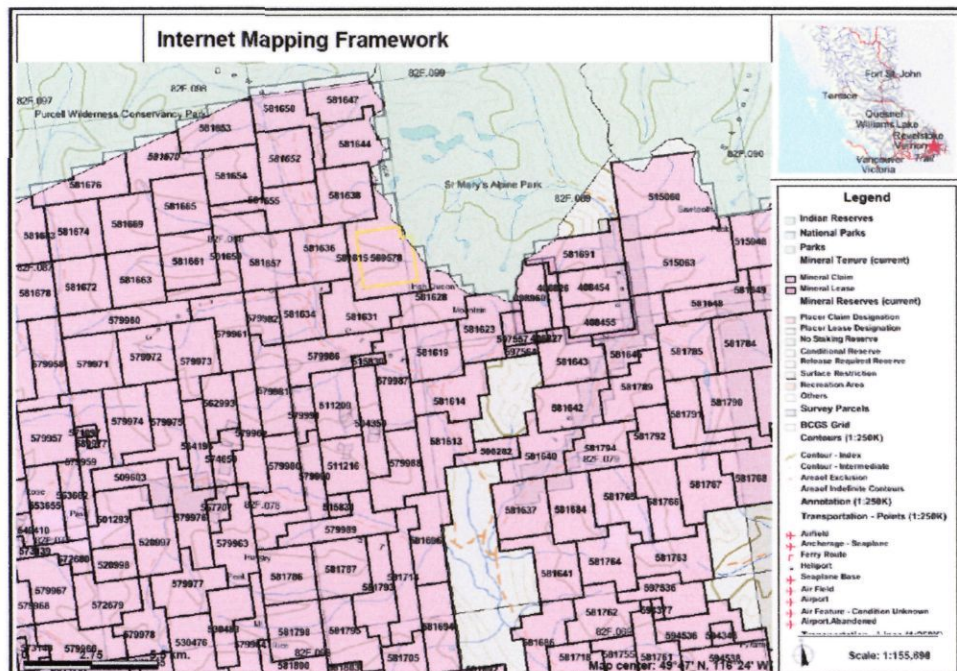
Introduction

During the summer of 2009 a rock geochemistry program was undertaken on the IQ mineral claims. The work was funded by Kootenay Gold Inc. Rock samples were collected from the area to start a database for further evaluation of the property. Two days were spent on the property by prospectors Sean and Mike Kennedy, one day by geologist Bob Cufney, and one day by prospector Eric Holm. A helicopter was utilized for the first day of work, the second day the prospectors hiked.

The area was staked to cover portions of an ultramafic complex mapped by the GSC (Reesor, 1958). High nickel and chromium values collected by the government during regional stream geochemistry programs as well as a known anomalous platinum value gathered by industry from creeks draining the complex led to the current acquisition of the claims. Previous rock geochemistry conducted by a local exploration group in 2000 found the area to contain anomalous values for PGEs in the ultramafic. More recently, work by the GSC (Lydon, 2008) has highlighted the area as a potential target for Norilsk type copper mineralization.

Location and Access

The IQ mineral claims are located in the Purcell Mountains of southeast BC, about 50 kilometres west of Kimberley, in a basin at the head of a small tributary of Dewar Creek, immediately north of Irish Queen Mountain. The claims are approximately 34 kilometres from Kimberley at a bearing of 116°. The claims are accessed by a logging spur road off of the main Dewar Creek FSR which leads to a hiking trail to the northern portion of the claim block.



Property

The property consists of mineral tenure 568578 and is wholly owned by Sean Kennedy of Kimberley, BC.

Physiography

The claims cover an area adjacent to the western border of St. Mary Alpine Park, the area is rugged and mostly hovers around treeline. The lower portions of the claims are timbered with alpine larch while the upper slopes are barren of trees and are often precipitous. The claims encompass two easterly draining steep basins.

History

The IQ area has not had any significant known mineral exploration activity conducted on it. A minor program including limited rock geochemistry, mapping, and petrography was undertaken in the year 2000 by Supergroup Holdings of Cranbrook, BC. This work concluded that the ultramafic carried anomalous values in PGEs associated with layered textures, hydrothermal alteration, and chalcopyrite and pyrrhotite. Thin section work during this program confirmed the body to be a highly altered ultramafic.

Geology

The claims are underlain by rocks of the Belt-Purcell Supergroup, a group of mid-Proterozoic clastic sediments, gabbro-diorite intrusive sills and dykes, and flood basalts. The claims also cover a significant portion of a north-south trending ultramafic body, thought to be Jurassic in age, as well as a portion of the White Creek Batholith, a Mid-cretaceous granitic intrusion. Limited government mapping from 1958 has shown the area to occupy a synclinal feature with carbonate rich, and conformably younger, Kitchener formation flanked by quartzite and argillaceous siltstone comprising the Creston formation.

Rock Geochemistry

Samples collected from the property were IQ-1 to IQ-5, and TAKK-1 and TAKK-2. Samples were analyzed by Acme Labs for a 30 element ICP plus ppb Au, a PGE and rare earths package was also run. Notes, results, and UTM coordinates are located in the appendix and a map showing sample locations with copper plotted in ppm is on page 7. IQ-1 and 2 were taken from rusty weathering ultramafic float. The float had a layered texture and contained pyrrhotite, IQ-1 also contained chalcopyrite. IQ-3 was a sample of rusty crystalline quartz hosted by schisty Creston Formation. IQ-4, and 5 were collected from a foliation parallel 45 cm wide rusty ultramafic sill, both contained pyrrhotite. TR-1 and 2 were collected from a massive goethite breccia. IQ-1 through IQ-5 contained elevated copper and cobalt values. IQ-1 returned weakly anomalous values for PGEs (Pt-51 ppb, Pd-30 ppb).

Conclusions and Recommendations

During the summer of 2008 two days were spent investigating the IQ property in southeast BC. The claims cover the southern portion of a Jurassic (?) ultramafic complex. Seven samples were collected and analyzed for PGEs and rare earths, one sample (IQ-1) contained weakly anomalous PGEs.

At this point further prospecting is recommended for the property with additional rock geochemistry. Also, a basic map of alteration as well as lithological contacts should be completed based on this work.

Statement of Expenses

| | | | |
|--|---------------------|--|--------------|
| Mike Kennedy, | Prospector | 2 days @ \$500/day (vehicle inclusive) | \$1000 |
| Sean Kennedy, | Prospector | 2 days @ \$350/day | \$700 |
| Eric Holm, | Prospector | 1 days @ \$200/day | \$200 |
| Bob Cufney, | Geologist | 1 day @ \$500/day | \$500 |
| Helicopter (Bighorn Helicopters, Cranbrook BC) | | | \$1320 |
| Rock Samples, | | 7 samples @\$50/sample | \$350 |
| <u>Report Writing</u> | <u>Sean Kennedy</u> | <u>1 day @\$350/day</u> | <u>\$350</u> |
| Total | | | \$4420 |

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

| Number | UTM Easting | UTM Northing | Notes | Rk Type | Alteration Minerals | Sulphides |
|-----------|-------------|--------------|---|------------|---------------------|-----------|
| IQ-1 | 543156 | 5521093 | Layered ultramafic float | Ultramafic | Ilminite? | CuPy, Po |
| IQ-2 | 542800 | 5521168 | Layered ultramafic float, Po clots | Ultramafic | | Po |
| IQ-3 | 542808 | 5521178 | Rusty quartz in schists | | Quartz, sericite | CuPy, Po |
| IQ-4 | 543245 | 5521088 | Ultramafic sill, in schists, 45 cm wide | | Crystalline quartz | Po |
| IQ-5 | 543245 | 5521088 | Ultramafic sill, in schists, 45 cm wide | | Crystalline quartz | Po |
| TAKK-1, 2 | 543200 | 5521000 | Massive goethite bx. | | | |

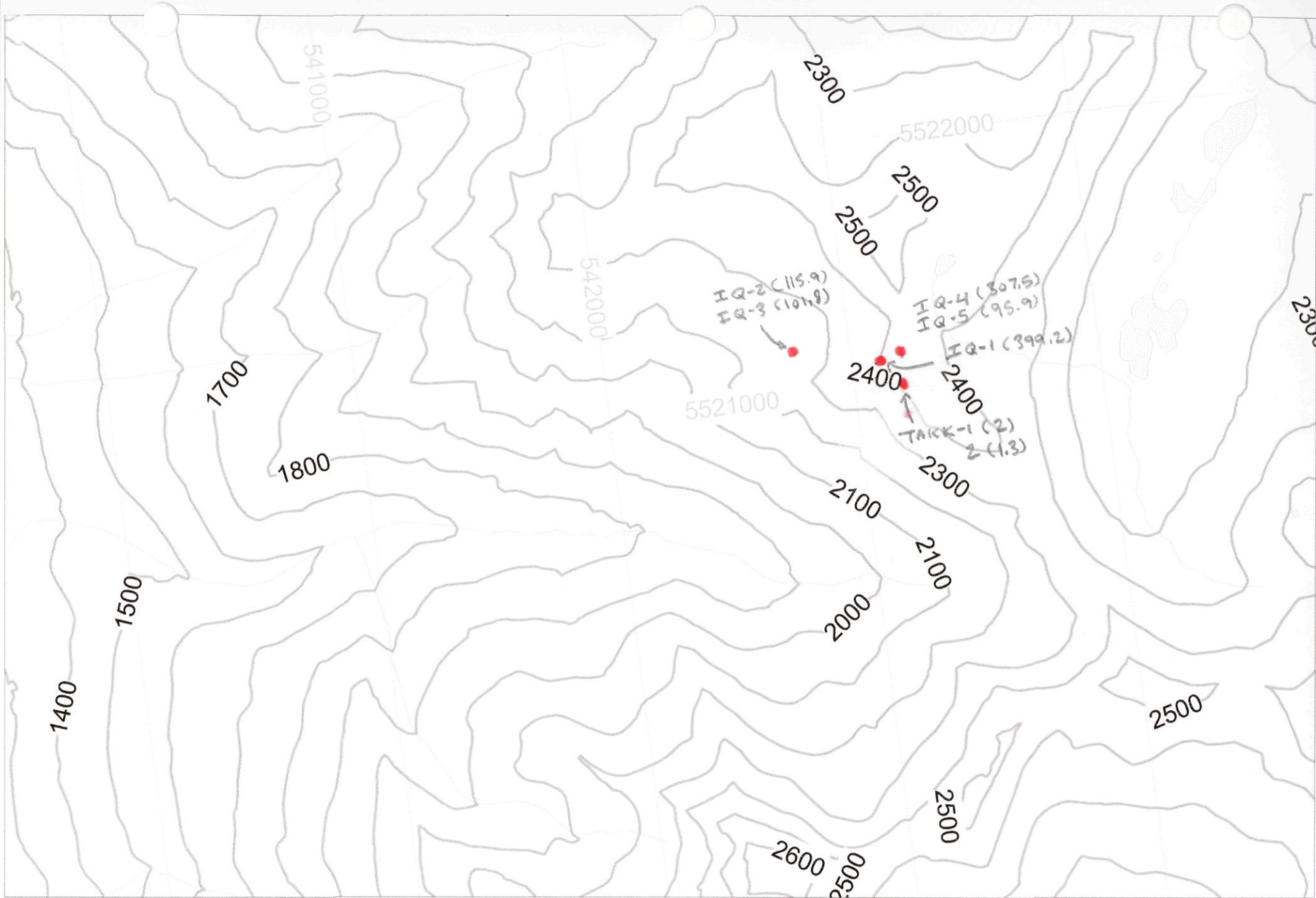
SAMPLE RESULTS

CERTIFICATE OF ANALYSIS VAN08010291.1

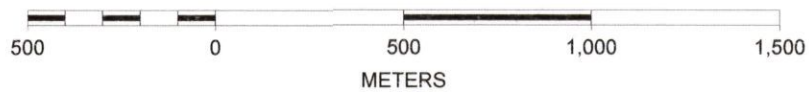
| Method Analyte | Unit | MDL | WGHT | 3B | 3B | 3B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | |
|----------------|------|-----|------|----|----|----|-----|----|------|-----|------|------|-------|-------|----|-------|------|------|------|-----|-------|
| | | | kg | Au | Pt | Pd | Ba | Be | Co | Cs | Ga | Hf | Nb | Rb | Sn | Sr | Ta | Th | U | V | W |
| TAKK 1 | Rock | | 1.29 | <2 | <3 | <2 | 329 | 1 | 10.6 | 3.7 | 11.5 | 5.0 | 9.4 | 172.0 | 2 | 25.2 | 0.9 | 10.4 | 6.1 | 42 | 0.9 |
| TAKK 2 | Rock | | 1.31 | 2 | <3 | <2 | 639 | 2 | 8.2 | 4.4 | 18.0 | 6.4 | 13.4 | 174.5 | 3 | 43.0 | 1.1 | 12.5 | 13.3 | 76 | 4.3 |
| IQ 01 | Rock | | 1.62 | <2 | 51 | 30 | 84 | 2 | 50.8 | 5.2 | 19.6 | 12.3 | 113.5 | 61.3 | 12 | 297.0 | 9.5 | 14.4 | 6.9 | 497 | 10.2 |
| IQ 02 | Rock | | 0.34 | 12 | 8 | 5 | 20 | <1 | 57.3 | 0.2 | 21.5 | 16.5 | 108.0 | 2.7 | 7 | 353.5 | 7.9 | 14.5 | 2.4 | 476 | <0.5 |
| IQ 03 | Rock | | 0.56 | 3 | <3 | <2 | 12 | <1 | 17.5 | 1.9 | 2.7 | 0.2 | 0.9 | 25.9 | <1 | 12.0 | <0.1 | 0.4 | 0.6 | 17 | <0.5 |
| IQ 04 | Rock | | 1.04 | 35 | 5 | <2 | 122 | 3 | 53.6 | 0.2 | 22.5 | 14.7 | 391.0 | 4.8 | 23 | 336.9 | 20.9 | 43.7 | 16.8 | 297 | 163.8 |
| IQ 05 | Rock | | 1.26 | 16 | <3 | <2 | 86 | 3 | 22.8 | 0.5 | 29.1 | 27.0 | 665.8 | 9.4 | 16 | 300.8 | 30.1 | 55.2 | 21.4 | 344 | 99.3 |

| Method Analyte | Unit | MDL | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 4B | 10X | 10X | 10X | 10X | |
|----------------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|------|------|------|-------|-----|----|
| | | | Y | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | Mo | Cu | Pb | Zn |
| TAKK 1 | Rock | | 25.2 | 32.1 | 69.8 | 8.17 | 31.6 | 5.34 | 1.17 | 4.79 | 0.76 | 4.09 | 0.88 | 2.81 | 0.49 | 3.13 | 0.52 | 2.8 | 2.0 | 4.8 | 33 |
| TAKK 2 | Rock | | 29.9 | 34.4 | 73.8 | 8.92 | 36.4 | 6.03 | 1.27 | 5.30 | 0.83 | 4.67 | 1.02 | 3.25 | 0.55 | 3.51 | 0.58 | 14.6 | 1.3 | 2.9 | 49 |
| IQ 01 | Rock | | 49.9 | 162.6 | 373.4 | 45.34 | 181.2 | 27.06 | 8.56 | 20.90 | 2.52 | 10.92 | 1.73 | 4.33 | 0.58 | 3.06 | 0.42 | 1.4 | 399.2 | 3.8 | 24 |
| IQ 02 | Rock | | 36.7 | 116.0 | 263.8 | 31.19 | 130.3 | 18.92 | 5.40 | 14.66 | 1.86 | 8.25 | 1.32 | 3.44 | 0.47 | 2.41 | 0.35 | 0.4 | 115.9 | 3.1 | 14 |
| IQ 03 | Rock | | 4.5 | 3.2 | 7.4 | 0.89 | 3.6 | 0.84 | 0.15 | 1.02 | 0.17 | 0.88 | 0.16 | 0.42 | 0.06 | 0.41 | 0.06 | 1.2 | 101.8 | 3.7 | 8 |
| IQ 04 | Rock | | 78.7 | 308.4 | 659.3 | 70.98 | 263.2 | 36.69 | 9.71 | 29.23 | 3.81 | 17.67 | 2.87 | 6.93 | 0.94 | 4.60 | 0.61 | 2.6 | 307.5 | 3.8 | 33 |
| IQ 05 | Rock | | 81.6 | 364.2 | 813.1 | 91.85 | 342.1 | 47.65 | 11.55 | 36.99 | 4.42 | 20.00 | 3.16 | 7.94 | 1.03 | 5.56 | 0.77 | 3.0 | 95.9 | 4.2 | 94 |

| Method Analyte | Unit | MDL | 10X | 10X | 10X | 10X | 10X | 10X | 10X | | |
|----------------|------|-----|------|------|------|------|------|------|-------|------|------|
| | | | As | Cd | Sb | Bi | Ag | Au | Hg | T | Se |
| TAKK 1 | Rock | | 15.6 | 0.1 | <0.1 | 0.1 | 0.1 | 1.8 | <0.01 | 0.1 | <0.5 |
| TAKK 2 | Rock | | 95.7 | 0.2 | 0.4 | <0.1 | 0.1 | 0.7 | <0.01 | 0.2 | <0.5 |
| IQ 01 | Rock | | 2.2 | <0.1 | 0.1 | 1.8 | 0.2 | 2.1 | <0.01 | 0.2 | 1.6 |
| IQ 02 | Rock | | 13.8 | <0.1 | <0.1 | 5.7 | <0.1 | 10.1 | <0.01 | <0.1 | 0.8 |
| IQ 03 | Rock | | 11.5 | <0.1 | <0.1 | 3.2 | <0.1 | 3.9 | <0.01 | 0.1 | 0.7 |
| IQ 04 | Rock | | 1.5 | <0.1 | 0.2 | 4.7 | 0.2 | 31.2 | <0.01 | <0.1 | 2.1 |
| IQ 05 | Rock | | 3.4 | <0.1 | 0.1 | 2.9 | 0.2 | 12.2 | <0.01 | <0.1 | 1.1 |




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SAMPLE LOCATION MAP CV IN PPM




ARIS Map

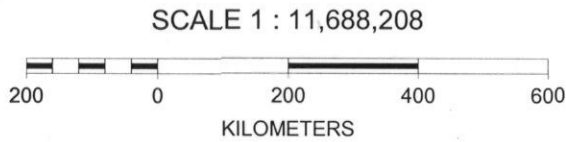
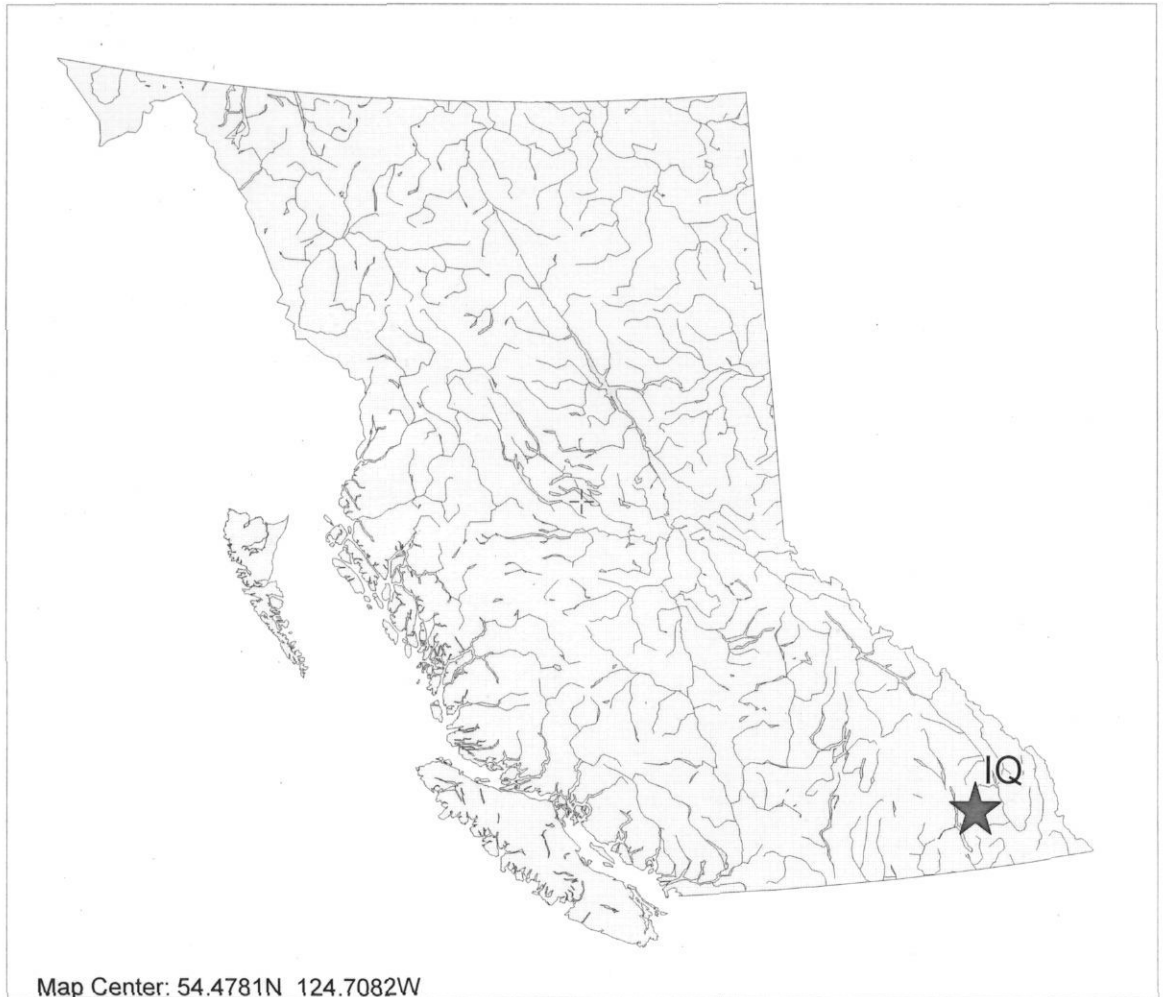
 **IQ Location**

Topographic Layers

-  **Lakes 1:6M**
-  **Rivers 1:6M**



BC Border Layers

-  **BC Border 1:6M**







ARIS Map



Mineral Titles Layers

-  IQ Tenure
-  All Mineral Tenures


Topographic Layers

-  Railways 1:20K
-  Roads 1:20K
 - Gravel Road
 - Paved Road
 - Rough Road
-  Lakes 1:20K
-  Rivers 1:20K

Grid Layers

-  Grid 1:20K - labels
-  Grid 1:20K - outline

BC Border Layers

-  BC Border 1:50K



SCALE 1 : 23,459

