

# **GEOCHEMICAL**

## **REPORT**

**CLAIMS:  
QV 11-24**

**YC88221-88234**

**NTS Map Sheet #: 1150/05, 06**

**LAT: 63° 30' 51" N**

**LONG: 139° 15' 39"W**

**DAWSON CITY MINING DISTRICT**

**REGISTERED OWNER: SHAWN RYAN**

**AUTHOR OF REPORT: SHAWN RYAN**

**WORK PERFORMED AUGUST 29<sup>TH</sup>, 2009**

**DATE OF REPORT JANUARY 18, 2012**

## SUMMARY

On August 29<sup>th</sup>, 2009, Ryanwood Exploration completed a grass roots prospecting survey on the QV claim block.

The QV property consists of 14 quartz claims in Yukon's Dawson Mining District. It is located in a remote area 85km south of Dawson City, on the west bank of the Yukon River between the confluences of the White and Stewart Rivers, in the "White Gold" district.

The property lies within the Yukon-Tanana Terrane, consisting of highly deformed Late Proterozoic to Permian sedimentary and volcanic rocks, with intrusive episodes in the Permian, Jurassic, Cretaceous and Tertiary periods. It also lies within an unglaciated region of Yukon, making it ideal for soil geochemical surveys.

A total of 9 rock samples were collected on surface from outcrops and scree slopes.

The rock samples returned gold values below the detection limit of 5ppb, with one sample containing 22.7 ppb. There is a quartz vein that assayed above the detection limit of 10000 ppm in Strontium. There are also good results in Barium, with 1/3<sup>rd</sup> of the samples having greater than 2000 ppm.

## TABLE OF CONTENTS

1	INTRODUCTION	4
2	LOCATION AND ACCESS	4
3	PROPERTY DESCRIPTION	4
4	REGIONAL GEOLOGY	6
4.1	PROPERTY GEOLOGY	7
5	WORK PROGRAM / METHODS	7
6	INTERPRETATIONS	8
7	RECOMMENDATION	8
8	REFERENCES CITED	8
9	COST	8
10	QUALIFICATION	9

### Figures:

Figure 1: Locator Map .....	5
Figure 2: YGS Regional Geology Map .....	6
Figure 3: Claim Detail Map .....	10
Figure 4: Gold Anomaly Map.....	11
Figure 5: Arsenic Anomaly Map .....	12
Figure 6: Barium Anomaly Map .....	13
Figure 7: Strontium Anomaly Map.....	14
Assay and Location Data.....	Appendix A
Claim List .....	Appendix B

## **1 INTRODUCTION**

The 2009 QV field campaign consisted of a preliminary day of prospecting by a geologist and one field assistant. They collected 9 grab samples (Figure 1).

The objective of the prospecting was to find gold and test a hypotheses based on geophysical, geological and geochemical data available.

## **2 LOCATION AND ACCESS**

The QV claims are located in the White Gold district of Yukon Territory. The claim block extends northwest off the north bank of the Yukon River between the confluences of the White and Stewart Rivers. It is contained within NTS map sheets 115O/05 and 06 (Figure 1).

It was access via helicopter from Ryanwood Exploration's Thistle Creek Camp.

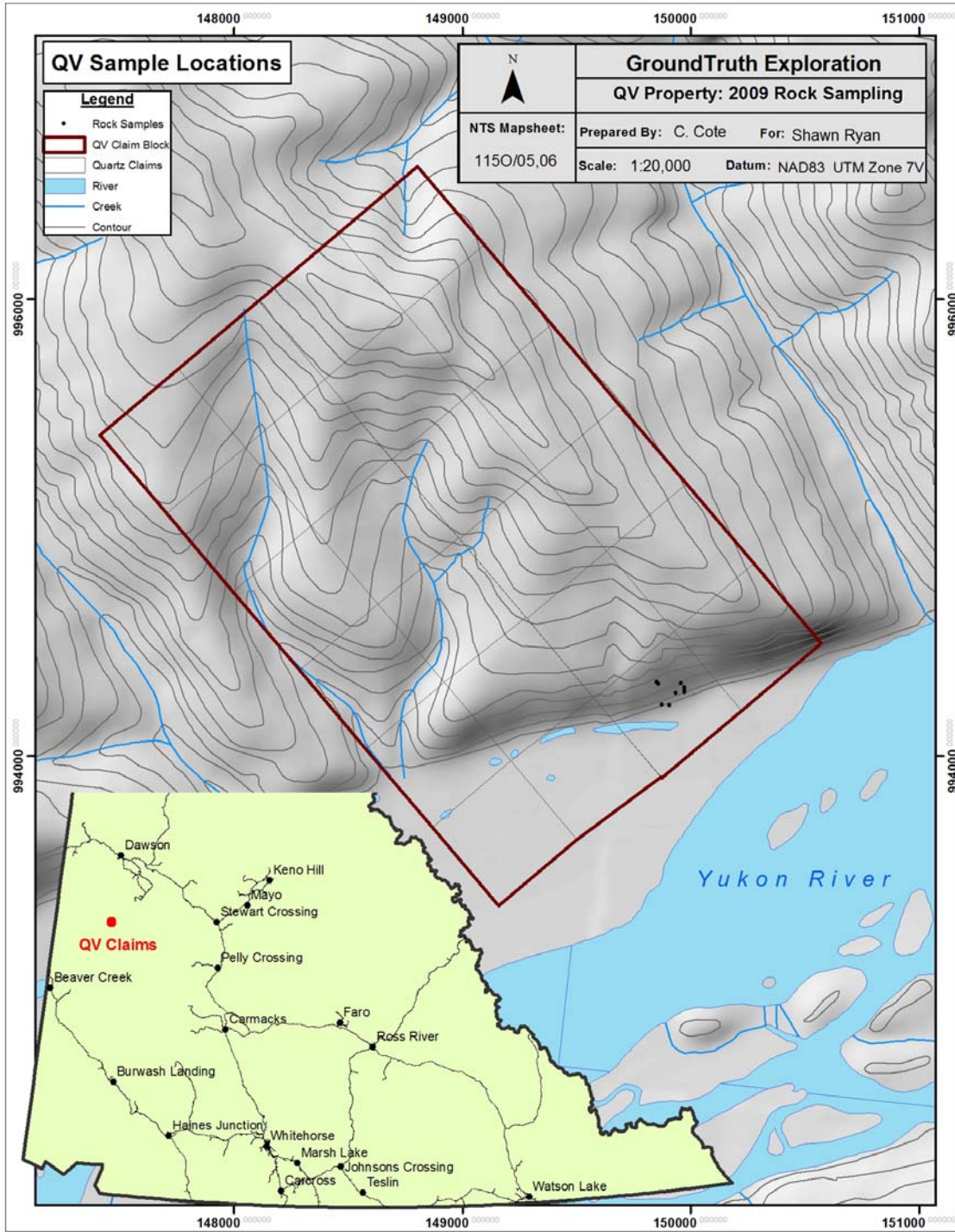
## **3 PROPERTY DESCRIPTION**

The QV property consists of 24 full Quartz mining claims registered in the Dawson Mining District. It is a rectangular like claim block 2.7 km long and 1.8 km wide, with the long axis oriented northwest (figure 1).

The property lies between the elevations of 360m to 880m above sea level. It is a heavily forested property with south aspect slopes being dominated by Poplar trees, north aspect slopes dominated by Black Spruce, and the remainder of the property having mixed forests of these species plus White Spruce and Birch trees. The underbrush is primarily Dwarf Birch, Willow, and Alder.

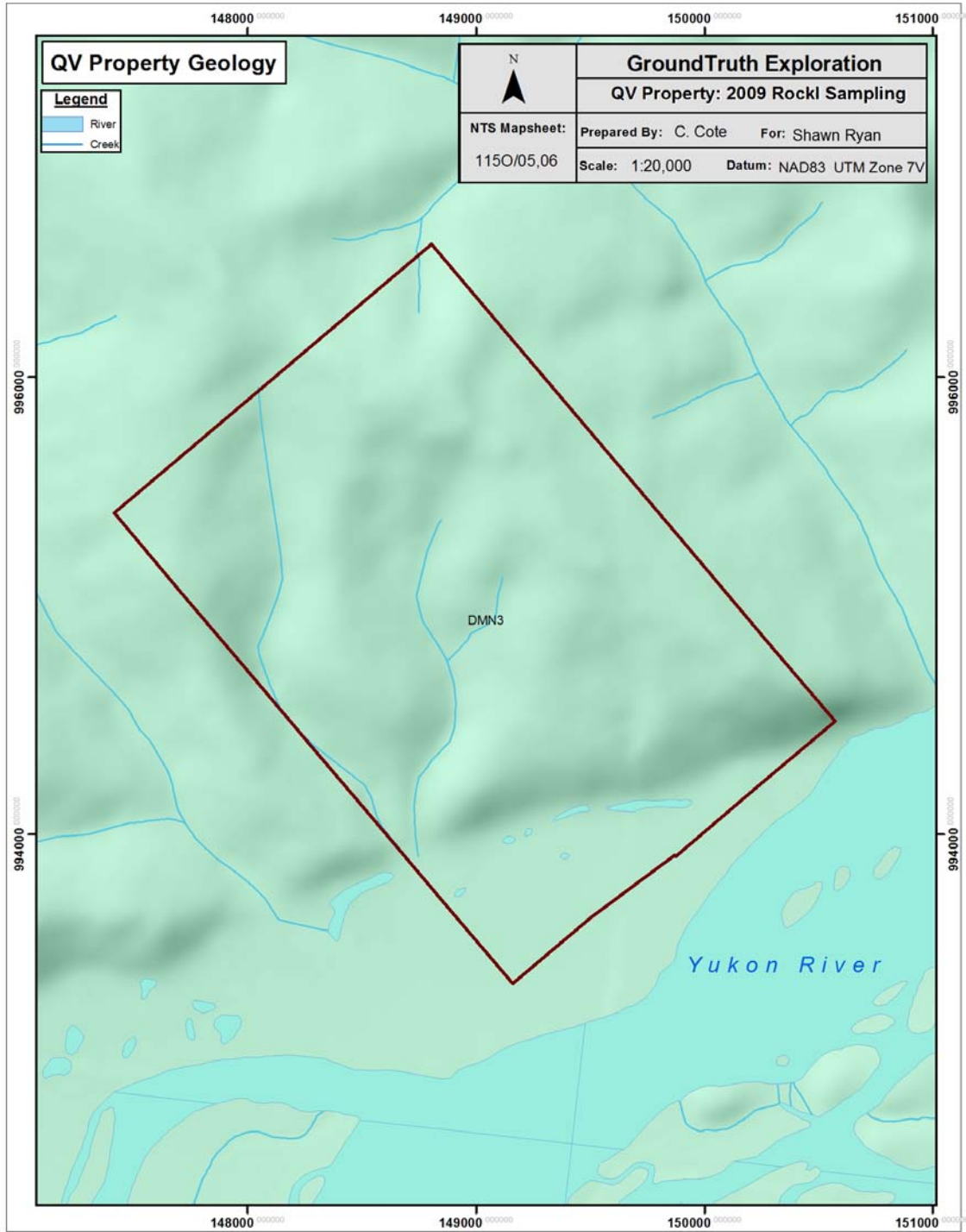
The QV lies within Canada's discontinuous permafrost zone. This area is typified by thick moss mats overlying permafrost on north aspects, rocky and boggy permafrost zones at alpine elevations, no permafrost on south aspect, and varying degrees of permafrost in intermediate zones depending on the local effects of vegetation, slope, aspect and hydrology.

Figure 1: Locator map of QV claims.



# 4 REGIONAL GEOLOGY

Figure 2: Regional Geology



## Legend for YGS Regional Geology (figure 2):

### DEVONIAN, MISSISSIPPIAN AND(?) OLDER



#### **DMN: NASINA**

graphitic quartzite and muscovite quartz-rich schist (1), (3)-(5), and(?) (6) with interspersed marble (2) and probable correlative successions (7) - (9)

1. dark grey to black, fine grained graphitic and non-graphitic quartzite, grey micaceous quartzite and quartz muscovite (+/-chlorite; +/- feldspar augen) schist, locally garnetiferous; minor graphitic stretched metaconglomerate and metagrit (**Nasina assem.**)
2. marble (**Nasina assem.**)
3. quartzite, micaceous quartzite, quartz muscovite (+/-chlorite; +/- feldspar augen) schist, and minor metaconglomerate and metagrit as in (1), but may locally include significant Nisling Assemblage

## 4.1 PROPERTY GEOLOGY

The property lies within the Yukon-Tanana Terrane, which consists of successions of layered sedimentary and volcanic rocks ranging from late Proterozoic to Late Permian age, overlying the older Nisling Terrane.

The QV claims lie entirely within the Nasina Assembly: quartzite, micaceous quartzite, quartz muscovite schist, and minor metaconglomerate and metagrit, but may locally include significant Nisling Assemblage (YTG Regional Geology, 2011).

## 5 WORK PROGRAM / METHODS

The QV claims were sampled by Jean Pautler (P. Geo.) and an assistant. The property was accessed using a Bell Jet Ranger 206 flying 85km south from Dawson City, YT. Prospecting took place on the 29<sup>th</sup> of August, 2009. A total of 9 samples were collected on the QV.

All the samples were sent to Acme Labs in Vancouver, BC.

Samples are processed with Aqua Regia ICP-MS for 36 elements (Acme Labs 1DX-15 gram).

## 6 INTERPRETATIONS

Results from the prospecting program were interesting. The sample population and distribution were too limited to identify any local or regional trends, however there were some notable samples assaying 22.7 ppb Gold, 1372 ppm Arsenic, 2364 ppm Barium and >10,000 ppm Strontium (figures 4,5,6,7).

## 7 RECOMMENDATION

Due to the good initial results, a soil program would be advisable to attempt to determine the surface expression of any local mineralization trends.

## 8 REFERENCES CITED

Yukon Geological Survey: Bedrock Geology (ESRI Lyr file). (1/21/2011)  
[www.geomaticsyukon.ca/other\\_data.html#Mining](http://www.geomaticsyukon.ca/other_data.html#Mining). Department of Energy, Mines and Resources. Accessed Jan 21, 2011.

## 9 COST

Assay Cost- 10 Rocks @ 30.00 per sample	\$300.00
1 Geologist for 1 day @ \$500 per day	\$500.00
1 Assistant for 1 day @ \$350 per day	\$350.00
Report Writing	\$500.00
Helicopter, 1.4 hours @ \$1300 per hour	\$1820.00
Total	<u>\$3,470.00</u>



## 10 QUALIFICATION

I, Shawn Ryan, located in Dawson City, Yukon work as a professional prospector. I run a small exploration company located in Dawson city.

I have worked in the exploration business for the last 25 years. I worked the first 12 years as a contractor working on numerous projects in the NWT, Ontario, Quebec and the Yukon. I have worked for the last 8 years as a local prospector for myself.

I have being trained to run various geophysical instruments and surveys such as magnetic surveys, max-min surveys, induce polarity surveys and Vlf surveys.

I have overseen the QV soil Survey.

I own 100 % of the QV.

Dated this 18<sup>th</sup> of January, 2012 in Whitehorse, Yukon.

Respectfully submitted

Shawn Ryan

Figure 3: Claim Map

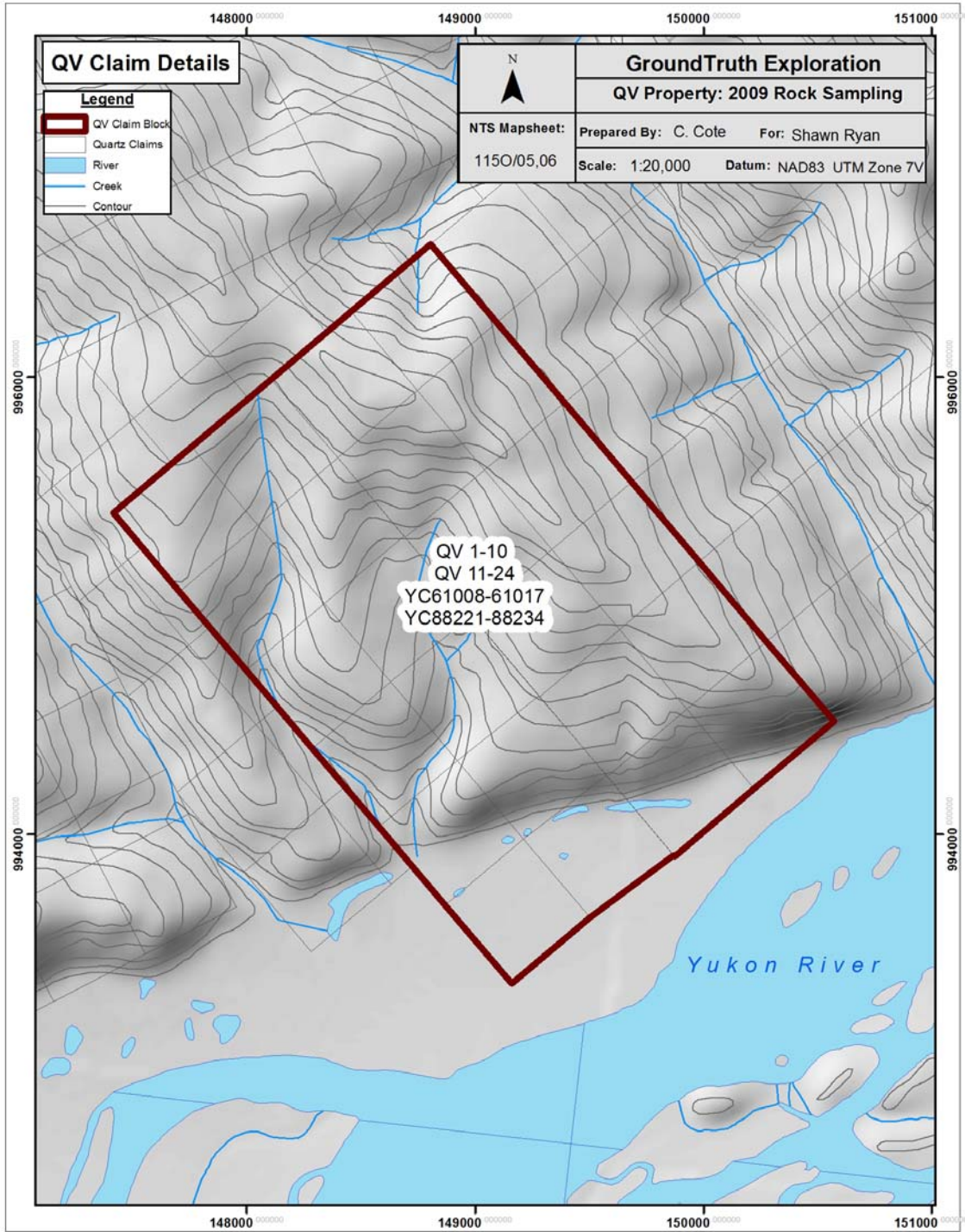


Figure 4: Gold Anomaly Map

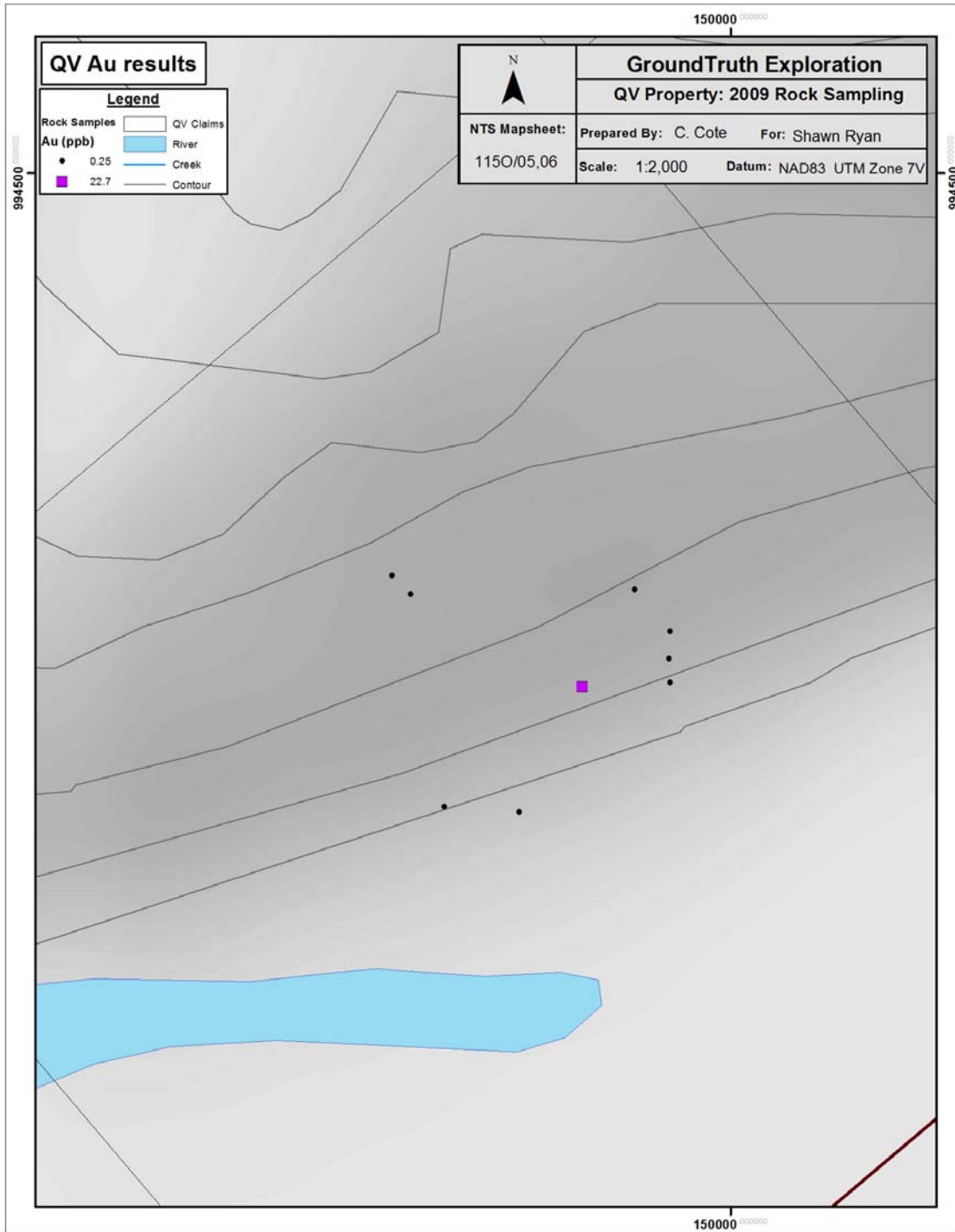


Figure 5: Arsenic Anomaly Map

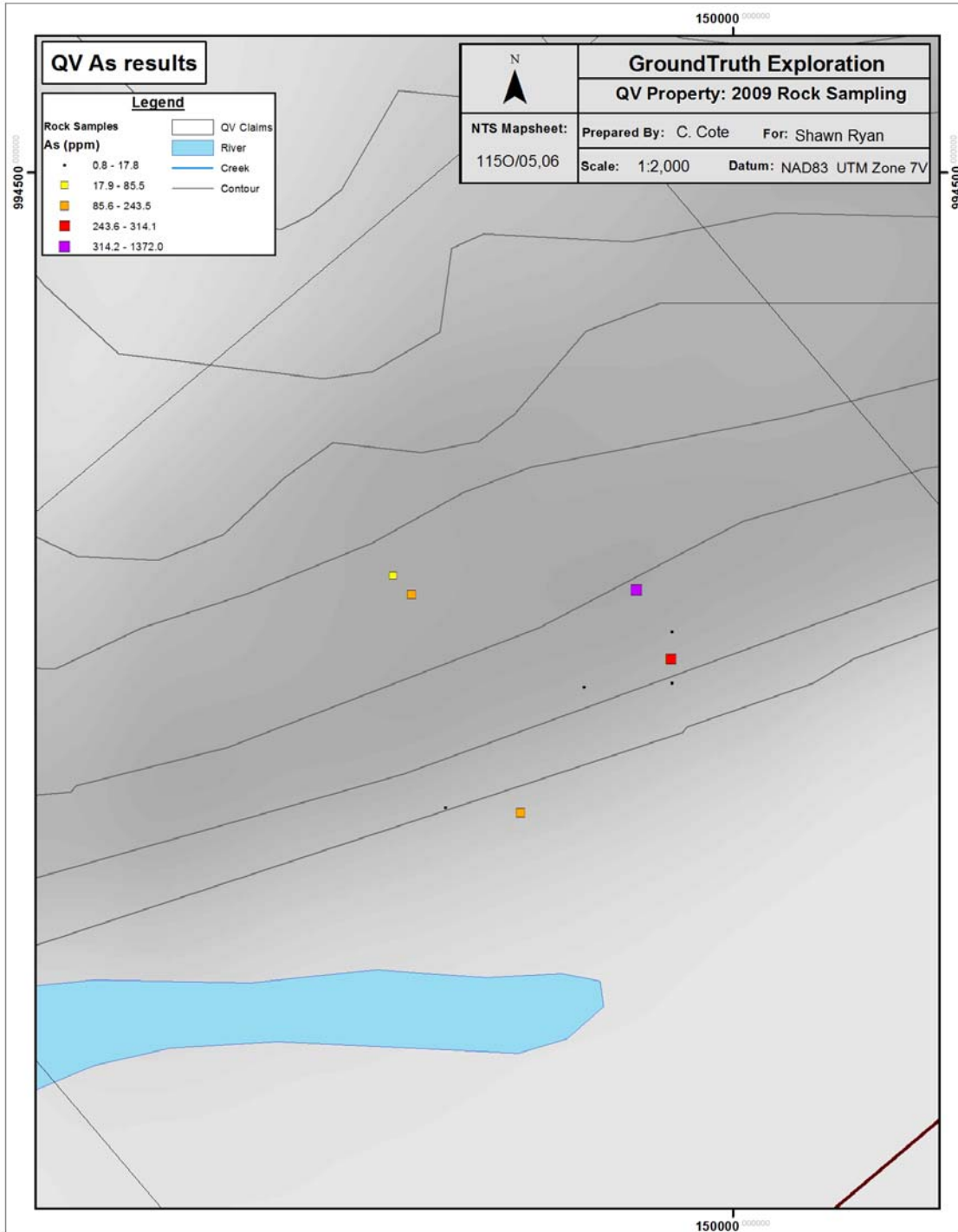


Figure 6: Barium Anomaly Map

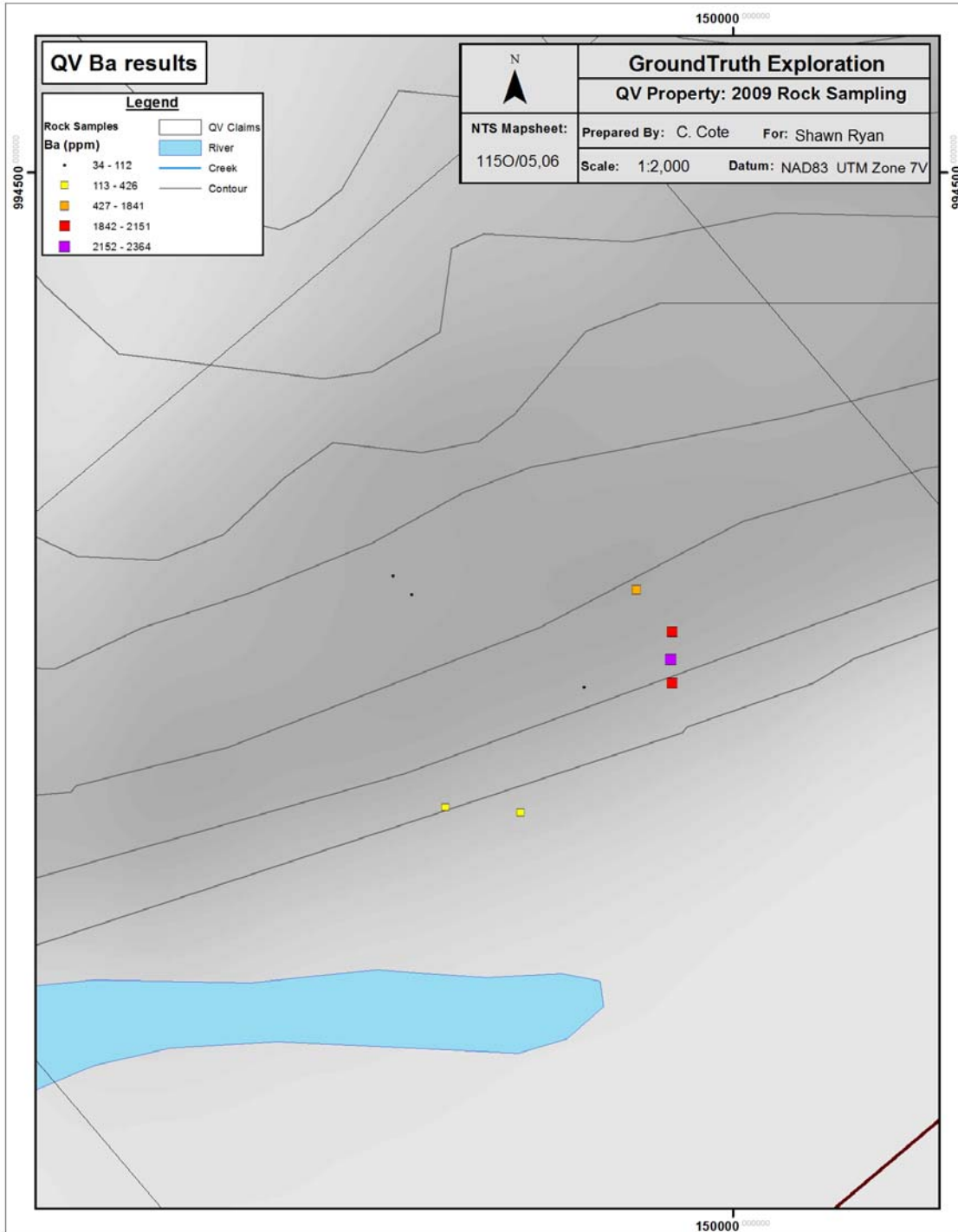
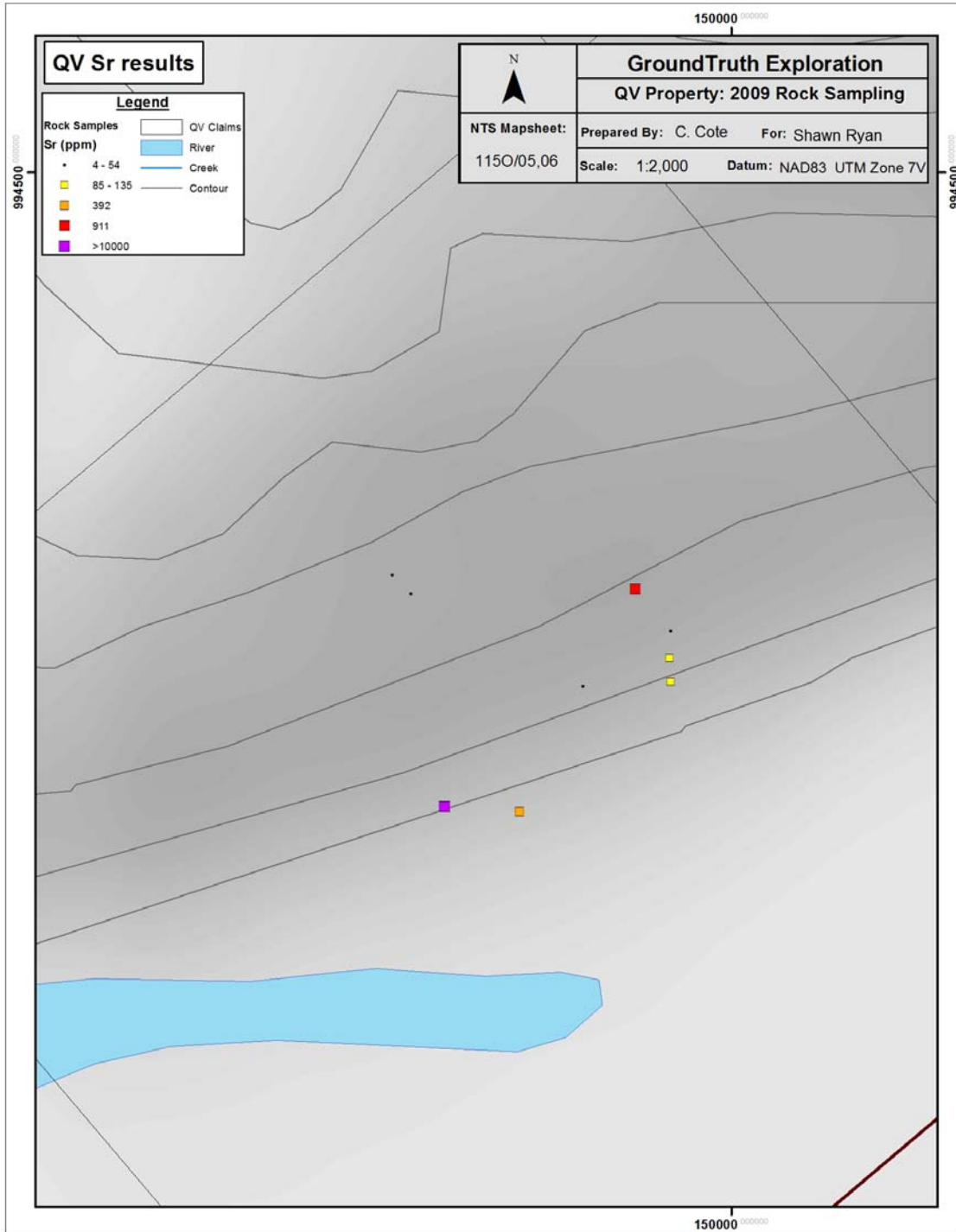


Figure 7: Strontium Anomaly Map



Appendix A: QV Assay Table

<u>Sample</u>	<u>Easting</u>	<u>Northing</u>	<u>UTM Zone</u>	<u>Au ppb</u>	<u>Ag</u>	<u>As</u>	<u>Ba</u>	<u>Hg</u>	<u>Sb</u>	<u>Bi</u>	<u>Zn</u>
QVGNR-09-01	575617	7016008	07V	22.7	0.2	0.8	112	0.005	0.05	0.05	19
QVGNR-09-02	575528	7016045	07V	0.25	0.05	85.5	34	0.09	0.4	0.05	19
QVGNR-09-03	575537	7016038	07V	0.25	0.05	89.5	79	0.04	0.3	0.05	16
QVGNR-09-04	575564	7015948	07V	0.25	0.05	2.9	345	0.005	0.05	0.05	5
QVGNR-09-05	575597	7015950	07V	0.25	0.05	243.5	426	0.02	1.7	0.05	34
QVGNR-09-06	575655	7016015	07V	0.25	0.05	13.5	2151	0.005	0.2	0.05	3
QVGNR-09-07	575652	7016037	07V	0.25	0.05	17.8	2072	0.005	0.5	0.05	4
QVGNR-09-08	575634	7016053	07V	0.25	0.05	1372	1841	0.76	4.8	0.05	176
QVGNR-09-09	575653	7016025	07V	0.25	0.2	314.1	2364	0.09	3	0.05	84

Appendix A: QV Assay Table

<u>Sample</u>	<u>Ni</u>	<u>Mo</u>	<u>Cu</u>	<u>Pb</u>	<u>Sr</u>	<u>Cd</u>	<u>Cr</u>	<u>Date</u>	<u>Rock Type</u>
QVGNR-09-01	53.8	0.1	429.3	0.3	4	0.05	70	29/08/2009 18:19	Basalt
QVGNR-09-02	15.7	0.3	11.8	5.6	35	0.05	10	29/08/2009 19:30	Granite Dyke
QVGNR-09-03	15.9	0.3	7.6	4.5	27	0.05	17	29/08/2009 19:45	Granite Sill
QVGNR-09-04	10.9	0.2	23.3	9.4	10000	0.05	11	29/08/2009 19:57	Qtz Vn
QVGNR-09-05	30.1	0.8	7.3	9.9	392	0.1	4	29/08/2009 20:16	Granite
QVGNR-09-06	1.8	0.2	2.8	7.3	135	0.05	11	29/08/2009 20:16	Qtz Vn
QVGNR-09-07	3.3	0.2	5	3.5	54	0.05	18	29/08/2009 20:44	Qtz Vn
QVGNR-09-08	100.7	1.1	1.1	10.9	911	0.8	11	29/08/2009 20:54	Alter Lst
QVGNR-09-09	37.7	1.3	34.8	10.2	85	0.4	30	29/08/2009 21:11	Ser Schist Frag



Appendix A: QV Assay Table

<u>Sample</u>	<u>Description</u>	<u>Exposure</u>
QVGNR-09-01	mal on fr's, dissemin po	flt
QVGNR-09-02	yellow weath, 1m chip, well fr'd	OC
QVGNR-09-03	yellow weath, <1m chip, dissemin py	OC
QVGNR-09-04	5cm ll to fol, open space in qtz w/ xtl growth, vwk	lim cuts chl schist(87)
QVGNR-09-05	w/bx carbonate infilling, vuggy	OC
QVGNR-09-06	w/ vuggy dk brn carb	flt
QVGNR-09-07	0.3 -0.4 m wide discount, vuggy w/ sid, lim, tr py,	just slope fromOC
QVGNR-09-08	str dk lim some bx and perv silica, 90cm chip	OC
QVGNR-09-09	Fines down slop from face, some ser and lim	Talus Fines

Appendix B: Claim List

<b><u>Grant Number</u></b>	<b><u>Claim Name</u></b>	<b><u>Owner/Operator</u></b>	<b><u>Mining District</u></b>
YC88221	QV 11	Shawn Ryan - 100%	Dawson
YC88222	QV 12	Shawn Ryan - 100%	Dawson
YC88223	QV 13	Shawn Ryan - 100%	Dawson
YC88224	QV 14	Shawn Ryan - 100%	Dawson
YC88225	QV 15	Shawn Ryan - 100%	Dawson
YC88226	QV 16	Shawn Ryan - 100%	Dawson
YC88227	QV 17	Shawn Ryan - 100%	Dawson
YC88228	QV 18	Shawn Ryan - 100%	Dawson
YC88229	QV 19	Shawn Ryan - 100%	Dawson
YC88230	QV 20	Shawn Ryan - 100%	Dawson
YC88231	QV 21	Shawn Ryan - 100%	Dawson
YC88232	QV 22	Shawn Ryan - 100%	Dawson
YC88233	QV 23	Shawn Ryan - 100%	Dawson
YC88234	QV 24	Shawn Ryan - 100%	Dawson



## Geochemical Aqua Regia Digestion

### Groups 1D, 1DX ICP-ES & ICP-MS

You can choose economically priced ICP-ES (Group 1D) or ICP-MS (Group 1DX) analysis to complement your exploration program.

Sample splits of 0.5g are leached in hot (95°C) Aqua Regia. Select a larger split size for more representative Au analysis. Refractory and graphitic samples can limit Au solubility.

Sample minimum 1g pulp.

Group 1D01	Cdn
34 elements	<b>\$9.40</b>

Group 1D03	Cdn
Include Uranium	<b>+\$0.50</b>

Code	Group 1DX	Cdn
1DX1	36 elements 0.5g	<b>\$15.75</b>
1DX2	36 elements 15g	<b>\$19.95</b>
1DX3	36 elements 30g	<b>\$23.60</b>
Include U by request		

	Group 1D Detection	Group 1DX Detection	Upper Limit
Ag*	0.3 ppm	0.1 ppm	100 ppm
Al*	0.01 %	0.01 %	10 %
As	2 ppm	0.5 ppm	10000 ppm
Au*	2 ppm	0.5 ppb	100 ppm
B*†	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	2000 ppm
Ca*	0.01 %	0.01 %	40 %
Cd	0.5 ppm	0.1 ppm	2000 ppm
Co	1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	10000 ppm
Fe*	0.01 %	0.01 %	40 %
Ga*	5 ppm	1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	50 ppm
K*	0.01 %	0.01 %	10 %
La*	1 ppm	1 ppm	10000 ppm
Mg*	0.01 %	0.01 %	30 %
Mn*	2 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	2000 ppm
Na*	0.01 %	0.001 %	5 %
Ni	1 ppm	0.1 ppm	10000 ppm
P*	0.001 %	0.001 %	5 %
Pb	3 ppm	0.1 ppm	10000 ppm
S*	0.05 %	0.05 %	10 %
Sb*	3 ppm	0.1 ppm	2000 ppm
Sc	5 ppm	0.1 ppm	100 ppm
Se	–	0.5 ppm	100 ppm
Sr*	1 ppm	1 ppm	10000 ppm
Te	–	0.2 ppm	1000 ppm
Th*	2 ppm	0.1 ppm	2000 ppm
Ti*	0.001 %	0.001 %	5 %
Tl	5 ppm	0.1 ppm	1000 ppm
V*	1 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	100 ppm
Zn	1 ppm	1 ppm	10000 ppm

\*Solubility of some elements will be limited by mineral species present.

†Detection limit = 1 ppm for 15g / 30g analysis.