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**YEIP  
2000-  
051  
2000**

**Summary of Work**  
Bedrock Creek Area  
Yukon Territory NTS 115 N/15  
Yukon Mining Incentives Program  
Economic Development Government of the Yukon  
Box 2703, Whitehorse Yukon Y1A 2C6  
**File Number 00-051**  
**John Peter Ross, November 2000**

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**Summary of Work  
Bedrock Creek Area  
Yukon Territory, N.T.S. 115 N/15**

for

**Yukon Mining Incentives Program  
Economic Development  
Government of the Yukon  
Box 2703, Whitehorse, Yukon Y1A 2C6**

**File Number 00-051**

**John Peter Ross, Prospector  
November 2000**

## TABLE OF CONTENTS

<b>Chapter One: INTRODUCTION</b>	
1.1 Introductory Statement .....	3
1.2 Location and Access .....	3
<b>Chapter Two: SUMMARY .....</b>	<b>11</b>
<b>Chapter Three: GEOCHEMICAL SURVEY AND PROSPECTING</b>	
3.1 Rock Geochemistry .....	12
3.2 Soil Geochemistry .....	12
3.3 Interpretation .....	12
3.4 Prospecting .....	14

## LIST OF FIGURES

<b>Figure 1: Location Map .....</b>	<b>4</b>
<b>Figure 2: Claim Location Map .....</b>	<b>5</b>
<b>Figure 3: Claims / Magnetic Data .....</b>	<b>6</b>
<b>Figure 4: Claims / Geology .....</b>	<b>7</b>
<b>Figure 4A: Geological Legend .....</b>	<b>8</b>
<b>Figure 5: Float Sample Locations .....</b>	<b>9</b>
<b>Figure 6: Soil Sample Locations .....</b>	<b>10</b>

## APPENDICES

- Appendix 1: References**
- Appendix 2: Statement of Qualifications**
- Appendix 3: Rock Sample Geochemistry - Assay Results**
- Appendix 4: Rock Sample Descriptions**
- Appendix 5: Soil Sample Geochemistry - Assay Results**

## **Chapter One: INTRODUCTION**

### **1.1 Introductory Statement**

The ERNI 1-80 claims were staked and recorded by Paulo Oulette of Dawson City Yukon in June 1999. The claims were then transferred to J. Peter Ross of Whitehorse, Yukon.

The Bedrock Creek (ERNI claim group) area, map sheet 115 N/15, was chosen because;

1. Placer gold occurs in this area.
2. Regional geochemical survey, silt samples no. 1031/32 are on Bedrock Creek and on the ERNI 19 claim (approximate). Sample 1031: Cu 38 ppm, Zn 240 ppm, Pb 10 ppm, Ba 1590 ppm, Au 59 ppb, Hg 70 ppm, As 10 ppm. Sample 1032: Au 18 ppb.
3. A magnetic anomaly similar to one on the UNI and CICI claim groups on 116 C/2 is present. The UNI and CICI claim groups have been under option to Madrona Mining Ltd. of Calgary for 4 years now. In 1999 Kennecott Canada explored the claims under a joint venture agreement with Madrona Mining.
4. One can drive to the site on a rough mining road.
5. The target was thought to be a Cu Mo Au porphyry similar to CASINO or TAURUS, 15 miles to the southwest in Alaska, USA, or a gold rich VMS similar to ESKAY CREEK in British Columbia.

Results from 1999 indicated:

- a) Float rock BC 26 ran 2,835 ppb Au and 5.8% As.
- b) Many silt and pan concentrate samples were anomalous for Au ± Sb ± As ± Pb ± W.
- c) Four soil samples were anomalous for Au ± Sb ± Bi ± Pb ? Te.

These results were good enough to justify more follow-up work in 2000.

### **1.2 Location and Access**

The ERNI 1-80 claims are located 75 miles (121 km) west of Dawson City in the Dawson Mining District, N.T.S. 115 N/15, latitude 63° 58' N, longitude 140° 55' W. Access to the claims was by truck on a 2-wheel drive highway (Top of the World Highway) and then by rough mining roads to the claims. The last 1-2 miles were very bad, here 4-wheel drive must be used.











141°00'  
64°00'

55' 50'

*ERNI (1-80)*

4269G "Sixymile"

40'

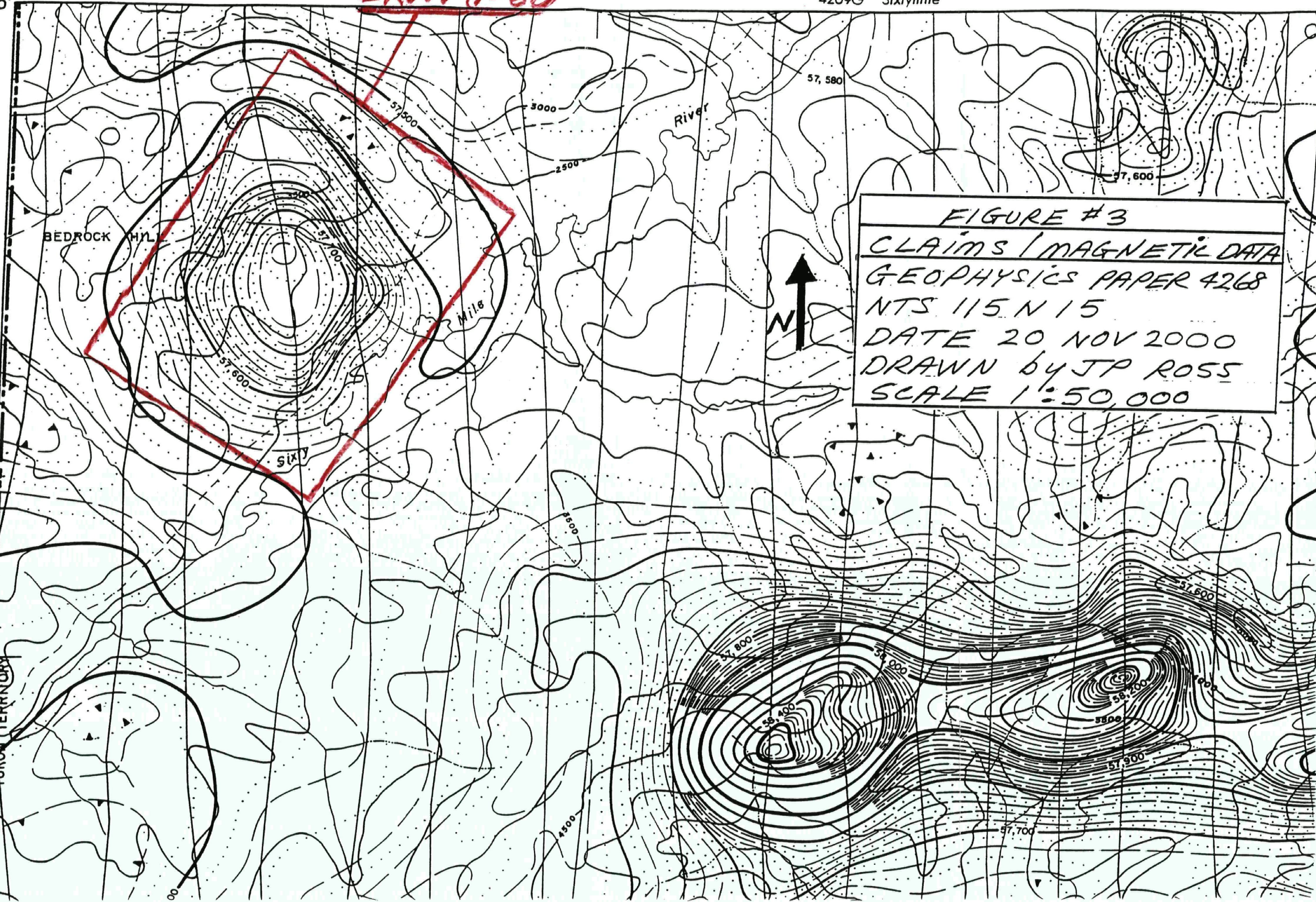


FIGURE #3  
 CLAIMS / MAGNETIC DATA  
 GEOPHYSICS PAPER 4268  
 NTS 115 N 15  
 DATE 20 NOV 2000  
 DRAWN by J.P. ROSS  
 SCALE 1:50,000

55'  
ALASKA  
YUKON TERRITORY





## GEOLOGICAL LEGEND

### **NASINA Assemblage**

- DMasc** Late (?) Devonian to Early Mississippian  
medium to dark weathering chlorite (+- biotite) schist, amphibolite  
and garnet amphibolite
- DMsqc** graphitic Nasina Assemblage undifferentiated (mainly pale to dark gray  
weathering, fine grained quartzite, quartz-muscovite (+-chlorite) schist,  
locally gametiferous)
- DMs** medium to coarse grained mica schist, commonly gametiferous,  
amphibolite, minor quartzite

### **Meta Plutonic Rocks**

- DMgg** Middle to Late Permian  
Moderately to strongly foliated K-feldspar augen-bearing quartz monzonite  
to granite gneiss (S. Fifty Mile Batholith, Mt. Burnham orthogneiss)

### **Klondike Schist Assemblage**

- Psqm** Late Devonian to Early Mississippian  
rusty weathering quartz-muscovite schist

### **Dawson/Clinton Creek Assemblage (Slide Mt. Terrane)**

- IPu** Middle or Upper Paleozoic  
serpentine, serpentized harsburgite, carbonatized ultramafic rocks;  
talc carbonate schist

- ▲▲▲▲?▲ thrust contact  
(defined, approximate, assumed)
- △△△△?△ low-angle normal (?) fault  
(defined, approximate, assumed)
- 123 Minfile Occurrence

### **ERNI 1-80 Claims - Bedrock Creek Area**

## **GEOLOGICAL LEGEND from Open File 1996-1(G)**

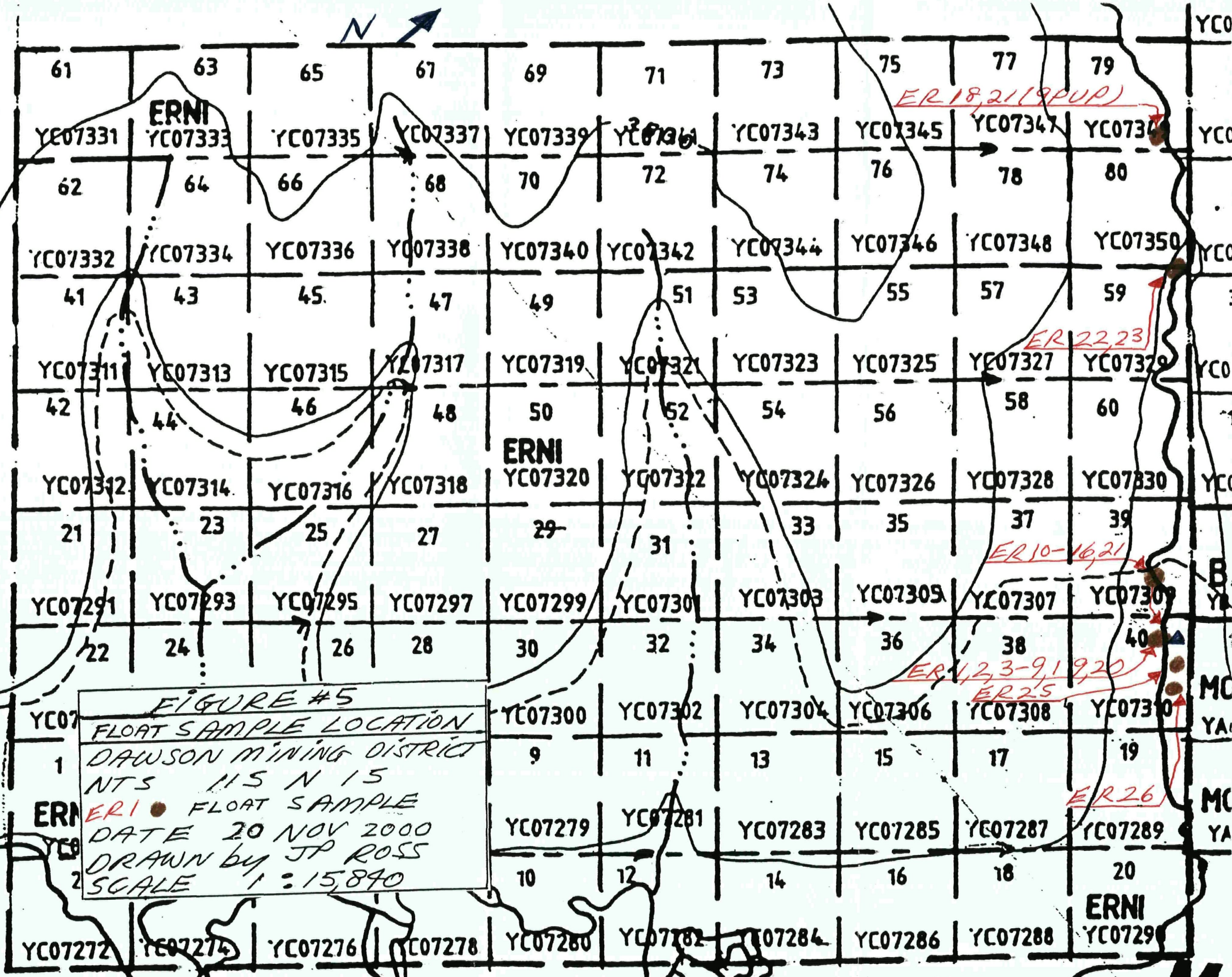
*J.P. Ross*

SCALE:	FILE: legend	DATE: 00.12.05
NTS: 115 N/15	DRAWN: o <sub>2</sub> +	FIGURE 4A





Murphy Creek



**FIGURE #5**  
**FLOAT SAMPLE LOCATION**  
**DAWSON MINING DISTRICT**  
 NTS 115 N 15  
 ER 1 ● FLOAT SAMPLE  
 DATE 20 NOV 2000  
 DRAWN BY JP ROSS  
 SCALE 1 : 15,840

YC07272 YC07274 YC07276 YC07278 YC07280 YC07282 YC07284 YC07286 YC07288 YC07290

ERNI

YCO

YCO

YCO

YCO

YCO

YCO

YCO

YCO

YCO





Murphy Creek

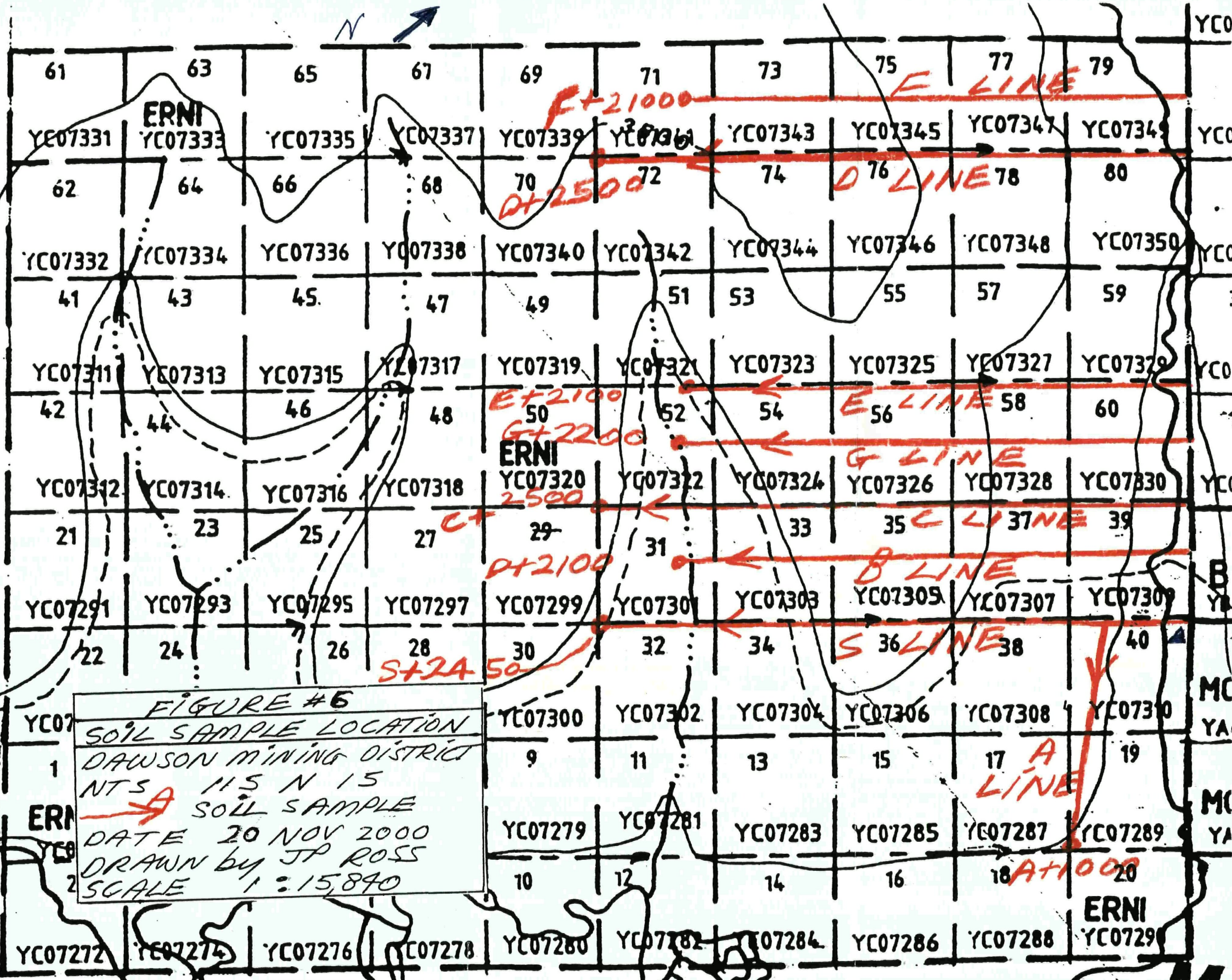


FIGURE #6  
 SOIL SAMPLE LOCATION  
 DAWSON MINING DISTRICT  
 NTS 115 N 15  
 SOIL SAMPLE  
 DATE 20 NOV 2000  
 DRAWN BY JP ROSS  
 SCALE 1:15,840

ERNI

ERNI



## **Chapter Two: SUMMARY**

- 1) John Peter Ross took 177 soil samples which were tested for Au (30g) ultratrace 36 element ICP.
- 2) Twenty five rock samples were taken and tested for Au (30g) FAA and 30 element ICP.
- 3) Two bedrock samples were taken and not tested.

The best rock sample was a disappointing 62 ppb Au.

Of the 177 soil samples, 23 were anomalous for Au, 10 ppb up to 61 ppb; 16 were anomalous for arsenic, 25 ppm up to 226 ppm. The best antimony value was 3.77 ppm.

Dates worked:

J.P. Ross - June 6-30, July 7, July 23, August 3-11, October 3, 2000

Hans Algottson - June 14-26, 2000



## Chapter Three: GEOCHEMICAL SURVEY and PROSPECTING

### 3.1 Rock Sample Geochemistry

Twenty-five (25) float rock samples were taken and tested by fire assay Au (30g) and 30 element ICP. Float sample locations were marked by orange ribbon. Many of the samples were cut with a diamond saw for study.

### 3.2 Soil Sample Geochemistry

One hundred and seventy-seven (177) soil samples were taken from the B horizon at 50 - 100 yard intervals. The samples (-80 mesh) were tested for Au (30g) ultratrace 36 element ICP. Many sites had to be left to thaw because of permafrost. The depths were from 6" to 40" or more. Some were a "little organic".

Soil sample locations were marked by blue and yellow ribbon.

At the same time, soil sample lines were flagged with red tape at 25 yard intervals to mark locations for a future magnetometer survey. However the survey was not done in 2000.

### 3.3 Interpretation

Of 177 samples, 23 were anomalous for Au, 10 ppb up to 61 ppb; 15 were anomalous for arsenic As 25 ppm up to 226 ppm. Anomalous values are highlighted in the table as follows.

	Au ppb	Ag ppm
A+50	51.1	80.1
B+100	5.3	32.0
B+200	12.2	7.8
B+1500	11.9	32.9
B+1600	11.5	62.9
B+1700	28.6	151.9
B+1800	11.8	8.6

### Interpretation (con't)

B+2000	23.6	4.3
C+200	1.9	27.9
C+400	17.6	12.9
C+1000	20.5	11.9
C+1700	3.2	28.3
C+2300	7.4	69.4
D+200	12.3	20.9
D+1200	11.0	7.1
D+1400	60.6	5.9
E+1200	34.5	117.5
E+1300	1.3	49.4
E+1500	12.1	16.2
E+1600	42.4	80.4
E+1700	18.9	41.1
E+1800	28.7	58.7
E+1900	10.2	14.5
F+1100	1.8	226
G+1900	12.3	23.4
G+2100	11.0	19.5
S+50	4.8	31.5

In 1999 Kennecott Canada Exploration Inc. and Madrona Mining Ltd. explored for gold to the north on my UNI - CICI - CREEK claim groups. The joint venture was terminated in 1999. Madrona has now optioned the claims for an additional 4 years.

Both areas have similar magnetic anomalies from government geophysical surveys and have seen extensive placer mining. Records and rumours suggest that Bedrock creek produced more than 10,000 ounces of placer gold. Norman Blanchard says, when he was a bulldozer operator in the 60's and 70's, the gold recovered on Bedrock Creek was mostly coarse but also a lot of fines were present.

The total gold production for the Sixty Mile area is >600,000 ounces of gold recorded and >553,000 ounces for the larger Forty Mile district in Alaska. Bedrock Creek has some fine gold whereas Miller and Glacier creeks seem to be mostly coarse gold??

The source for lode gold remains elusive. Gold/arsenic anomalies on ERNI 33/54 suggest a 3<sup>rd</sup> thrust fault may be present. This anomaly was not seen in the stream below it.

The low gold values overall (no erratic highs) may be caused by a lot of ultra-fine gold. Perhaps a -200 mesh or -250 mesh gold test should be used for soils.

On north-facing slopes the soils were full of permafrost, and were muddy and organic. Deeper holes or an auger should be used to get samples.

A sample taken at the mouth of 6 Pup - ERNI 79, had gold in the pan, 3 grains and 1 flake. This drains ERNI 55/76 which is above the 2 thrust faults.

The 2 north flowing pups upstream of 6 Pup were anomalous in 1999 for gold

Silt sample no.	Au -80+250 ppb	Au -250 ppb
ST3	40	180
ST4	54	110

### 3.4 Prospecting

The project still has promise. Future work should be more soil sampling in new areas and also between lines E and D. A soil auger should be used to get below the muddy permafrost organic zones. Hopefully the magnetometer survey can be done after the gap between E and D lines is sampled.

In the future I plan to prospect and explore the area north of the F soil line.

## **Appendix 1**

### **References**

Geophysical paper/map, 4269G, Sixty Mile, 116 C/2.

Geophysical paper/map, 4268G, Crag Mountain, 115 N/15.

GSC Open File #1364, Geochemical Survey, NTS 115 N (E ½), 115 O

TAURUS - CIM special volume #46. Porphyry deposits of the northwest Cordillera p. 451-457.

Metallogeny of Volcanic Arcs. 1998 MRDU Short Course (2 days).

Intrusion Related Au Mineralization - Alaska and Yukon. 1998 Geoscience Forum Workshop.

Open File 1996-1 (G). Geological compilation maps of north Stewart River area, Klondike and Sixty Mile districts. Maps 115 N/15,16; 115 O/13,14; 115 O 15,16. Jim Mortensen.

Geochemical and Prospecting Report on the ERNI 1-80 Claims, Dawson Mining District. NTS 115 N/15 J. Peter Ross, November 1999.

#### **Personal Communication:**

Craig Hart, Yukon Geology Program, Whitehorse, YT

John Kowalchuck, NuLite Resources, Vancouver, BC.

Norman Blanchard, Whitehorse, YT

Hans Algottson, prospector and placer miner, Dawson City, YT

**YUKON MINFILE  
YUKON GEOLOGY PROGRAM  
WHITEHORSE**

<b>NAME(S):</b> Lerner	<b>NTS MAP SHEET:</b> 115 N 15
<b>MINFILE #:</b> 115N 039	<b>LATITUDE:</b> 63°55'29"N
<b>MAJOR COMMODITIES:</b> Ag,Pb	<b>LONGITUDE:</b> 140°48'52"W
<b>MINOR COMMODITIES:</b> Au,Zn	<b>DEPOSIT TYPE:</b> Vein
<b>TECTONIC ELEMENT:</b> Yukon Tanana Terrane	<b>STATUS:</b> Open pit past producer

---

**CLAIMS (PREVIOUS AND CURRENT)**

CCL, JACK, REX, LUBRA, JUDY, PRA, HAR

**WORK HISTORY**

Staked as CCL, Jack, etc cl (87620) in Aug/65 by J. Lerner & M. Chefkoi and optioned to A. Moisey, who enlarged the property and conducted geochem sampling and bulldozing in 1965. The claims were transferred to a new company, Sixty Mile Mg CL, which conducted additional bulldozing and EM surveys in 1966-67 and shipped about 9 tonnes of hand-cobbed ore from the No. 3 Vein in 1966. Mt Crag ML tied on Rex & Lubra cl (Y15162) to the west in Jun/67 but filed no work.

Connaught ML optioned the property early in 1968 and explored with mapping and geochem sampling, extensive bulldozer trenching and 2 holes (112.8 m) in 1968-69. J. Lerner restaked the No. 3 Vein as Judy 2 cl (Y82496) in May/74 and mined and shipped about 191 tonnes in 1974-76. In Jan/81, he restaked the Rex-Lubra as Judy cl (YA55162), transferred the property to Judy Mg Synd, and sold it to Lougheed Res Inc, which performed mapping and trenching later in the year.

The property was transferred to Bethex E Inc and optioned by Madre Mg L in 1983, and transferred to Judy Res Inc in 1984 and Cumo Res L and X-Pat Dev L in 1986. In 1988, the Judy cl were optioned to Shakwak Exp CL.

Croesus Res Inc partially restaked the property and tied on PRA & HAR cl (YA89110) in Apr/87 and performed mapping, geochem and geophysical surveys and bulldozer trenching later in the year and drilled 10 diamond drillholes (315.8 m) in 1988. The Pra & Har cl were transferred in May/89 to Walhala EL. Tombstone Exploration Ltd conducted a drilling program on the Pra cl in 1993.

**GEOLOGY**

North-northeast-striking, mesothermal(?) quartz-carbonate-sulphide veins cut Nasina Assemblage schists (unit DMs) and Early Mississippian granitic augen gneiss (unit DMgg) south of Mosquito Creek.

Most of the work has been performed at the northwest locality, called No. 3 Vein. Galena and arsenopyrite, with minor sphalerite, tetrahedrite and boulangerite, form lenses over 12.1 m long and 0.9 - 1.2 m thick in quartz veins up to 2.1 m thick in a complex en echelon vein system. The 1966 and 1974-76 shipments were made from a single lens and averaged about 2228.5 g/t Ag, 60% Pb and 1.03 g/t Au. The best 1969 intersection was 130.3 g/t Ag and 2.7% Pb across 0.7 m.

The southeast locality, called the No. 2 and No. 7 Veins, has received less work and is more weakly mineralized.

Glasmacher and Friedrich (1992) recognized three stages of vein formation: (1) quartz-pyrite; (2) arsenopyrite-galena (3) quartz-pyrite-sphalerite-chalcopyrite-freibergite. Precious metals were deposited during the second stage. Fluid inclusion and microprobe studies show that the veins formed from high salinity, low pH fluids at temperatures which were initially as high as 330°C.

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**GEOLOGY (CONTINUED)**

The Tony and Pra claims cover the contact between quartzite, limestone and skarn of the Nasina Series, quartz monzonite and Pelly Gneiss intruded by Cretaceous granite.

Altered quartz monzonite on the property returned anomalous Cu and Mo values, and magnetite-quartz-carbonate and diopside skarn returned anomalous values in Bi, Au, As, Ag with Pb, Zn and Cu.

**REFERENCES**

GEOLOGICAL SURVEY OF CANADA, Paper 67-40, p. 29.

GEOLOGICAL SURVEY OF CANADA, Paper 68-68, p. 32-33.

GEORGE CROSS NEWSLETTER, 3 Jun/88.

GLASMACHER, U., and FRIEDRICH, G., 1992. Gold-sulphide enrichment processes in mesothermal veins of the Sixtymile River area, Yukon Territory, Canada. In: Yukon Geology Vol. 3, Exploration and Geological Services Division, DIAND, p. 292-311.

KELON RESOURCES AND CROESUS RESOURCES INC., Nov/88. Yukon Exploration Incentive Program Report #093109 by B.J. Price (EIP88-036).

LOUGHEED RESOURCES INC., Feb/81. Engineer's Report by R.T. Heard.

MINERAL INDUSTRY REPORT 1969-70, p. 32-33.

MORTENSEN, J.K., Geological Compilation Maps of the Northern Stewart River map area Klondike and Sixtymile Districts (115N/15,16; 115O/13,14 and parts of 115O/15,16). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open file 1996-1 (G).

YUKON GEOLOGY PROGRAM AND EXPLORATION 1981, p. 224.

**YUKON MINFILE  
YUKON GEOLOGY PROGRAM  
WHITEHORSE**

<b>NAME(S):</b> Bedrock	<b>NTS MAP SHEET:</b> 115 N 15
<b>MINFILE #:</b> 115N 123	<b>LATTITUDE:</b> 63°58'31"N
<b>MAJOR COMMODITIES:</b> Ag	<b>LONGITUDE:</b> 140°53'15"W
<b>MINOR COMMODITIES:</b> Cu,Au	<b>DEPOSIT TYPE:</b> Vein
<b>TECTONIC ELEMENT:</b> Yukon Tanana Terrane	<b>STATUS:</b> Showing

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**CLAIMS (PREVIOUS AND CURRENT)**

**MOLY, SAPPO, NEY**

**WORK HISTORY**

Staked as Moly cl (YA65451) in May/83 by Piedmont EL and Last Frontier Ent L, which added Sappo cl (YA88192) to the SW and NE in Oct/86. L. Molot tied on MM cl (YA88208) to the northwest in Oct/86 and performed mapping and geochemical sampling in 1987 and 1988.

The Ney cl (YB4742) were tied on north of the Sappo claims in Feb/88 and were explored by mapping, geochem sampling and trenching before being transferred to J. Bergvinson in Feb/89. The Moly claims were transferred to Last Frontier Ent L in May/88.

**GEOLOGY**

A south-dipping thrust fault is inferred to cross the area, separating Nasina Assemblage schist and amphibolite (units DMs and DMasc) in the hangingwall from rusty-weathering quartz-muscovite of the Permian Klondike Schist Assemblage (unit Pks) in the footwall. A thrust-fault-bounded lens of serpentinite occurs along the fault to the east of the occurrence. A vuggy quartz carbonate vein containing no visible sulphides outcrops in the hangingwall of the fault. It is 1 m wide, strikes 140 and dips 38 S. A specimen from the vein assayed 992.5 g/t Ag with 310 ppb Au and 1140 ppm Cu.

**REFERENCES**

MORTENSEN, J.K., Geological Compilation Maps of the Northern Stewart River map area Klondike and Sixtymile Districts (115N/15,16; 115O/13,14 and parts of 115O/15,16). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open file 1996-1 (G).

MINFILE: 115N 115  
PAGE NO: 1 of 1  
UPDATED: 12/18/96

**YUKON MINFILE  
YUKON GEOLOGY PROGRAM  
WHITEHORSE**

NAME(S): The  
MINFILE #: 115N 115  
MAJOR COMMODITIES: -  
MINOR COMMODITIES: -  
TECTONIC ELEMENT: Yukon Tanana Terrane

NTS MAP SHEET: 115 N 15  
LATITUDE: 63°57'04"N  
LONGITUDE: 140°50'17"W  
DEPOSIT TYPE: Unknown  
STATUS: Uncertain

---

**CLAIMS (PREVIOUS AND CURRENT)**

**THE, AIME**

**WORK HISTORY**

Staked as The cl (Y15906) in Jun/69 by Klondike EL, which bulldozer trenched in 1969-71. The property was transferred in 1972 to E. Faucher, L. Grimard & J. Trotter, who trenched in 1973, 1976 and 1980 and enlarged the property in 1979. In Aug/84 M. Grimard restaked the claims as Aime cl (YA87694) and performed trenching in 1986 and mapping and geochem sampling in 1987.

**GEOLOGY**

The claims are underlain by Nasina Assemblage schist and amphibolite (units DMs and DMasc) and have been explored for gold and silver veins.

**REFERENCES**

MORTENSEN, J.K., Geological Compilation Maps of the Northern Stewart River map area Klondike and Sixtymile Districts (115N/15,16; 115O/13,14 and parts of 115O/15,16). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open file 1996-1 (G).



## STATEMENT OF QUALIFICATIONS

I, John Peter Ross, do hereby certify that I:

1. am a qualified prospector with mailing address;  
Box 4842  
Whitehorse, Yukon  
Canada. Y1A 4N8
2. graduated from McGill University in 1970 with a B Sc. General Science
3. have attended and finished completely the following courses,  
1974 - BC & Yukon Chamber of Mines, Prospecting Course  
1978 - United Keno Hill Mines Limited, Elsa, Yukon, Prospecting Course  
1987 - Yukon Chamber of Mines, Advanced Prospecting Course  
1991 - Exploration Geochemistry Workshop, GSC Canada  
1994 - Diamond Exploration Short Course, Yukon Geoscience Forum  
1994 - Yukon Chamber of Mines, Alteration and Petrology for Prospectors  
1994 - Applications of Multi-Parameter Surveys (Whitehorse), Ron Shives, GSC  
1994 - Drift Exploration in Glaciated and Mountainous Terrain, BCGS  
1995 - Applications of Multi-Parameter Surveys, (Vancouver) Ron Shives, GSC  
1995 - Diamond Theory and Exploration, Short Course # 20, GSC Canada  
1996 - New Mineral Deposit Models of the Cordillera, MDRU  
1997 - Geochemical Exploration in Tropical Environments, MDRU  
1998 - Metallogeny of Volcanic Arcs, Cordilleran Roundup Short Course  
1999 - Volcanic Massive Sulphide Deposits, Cordilleran Roundup Short Course  
1999 - Pluton-Related (Thermal Aureole) Gold, Yukon Geoscience Forum  
*2000 - SEDIMENT HOSTED GOLD DEPOSITS, MDRU*
4. did all the work and the writing of this report
5. have been on the Yukon Prospectors' Assistance and Yukon Mining Incentive Program 1986 - 2000
6. have been on the British Columbia Prospectors' Assistance Program 1989 - 1990
7. have a 100% interest in the claims described in this report at the present time

*John Peter Ross*  
*30 Nov 2000*

## **Appendix 3**

### **Rock Sample Geochemistry - Assay Results**



105 Copper Road  
Whitehorse, Yukon  
Y1A 2Z7  
Ph: (867) 668-4968  
Fax: (867) 668-4890  
E-mail: NAL@hypertech.yk.ca


19/10/2000

Certificate of Analysis

# of pages (not including this page): 1

Peter Ross

WO# 00075a

Certified by   
Justin Lemphers (Senior Assayer)

Date Received: 02/10/2000

SAMPLE PREPARATION:						
Code	# of Samples	Type	Preparation Description (All wet samples are dried first.)			
r	25	rock	Crush to -10 mesh; riffle split 200g; pulverize to -100 mesh			

ANALYTICAL METHODS SUMMARY:						
Symbol	Units	Element	Method (A:assay) (G:geochem)	Fusion/Digestion	Lower Limit	Upper Limit
Au 30g	ppb	Gold	G: FA/AAS	30g FA / aqua regia	5	7000

AAS = atomic absorption spectrophotometry  
FA = fire assay

1000ppb = 1ppm = 1g/mt = 0.0001% = 0.029166oz/ton



105 Copper Road  
Whitehorse, Yukon  
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E-mail: NAL@hypertech.yk.ca

19/10/2000

Certificate of Analysis

Page 1

Peter Ross

WO# 00075a

Certified by

Sample #	Au 30g ppb
r ER1	42
r ER2	8
r ER3	9
r ER4	12
r ER5	<5
r ER6	<5
r ER7	<5
r ER8	<5
r ER9	<5
r ER10	5
r ER11	<5
r ER12	6
r ER13	62
r ER14	<5
r ER15	6
r ER16	<5
r ER18	11
r ER19	25
r ER20	<5
r ER21	<5
r ER21 PUP	6
r ER22	8
r ER23	23
r ER24	6
r ER26	<5

Northern Analytical Laboratories

Project: WO#00075a

Sample Name	SampleType	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
ER 1	Pulp	0.2	20	<2	12	106	15	<3
ER 2	Pulp	0.6	25	38	12	<5	<5	<3
ER 3	Pulp	0.4	42	4	251	16	10	<3
ER 4	Pulp	0.5	43	21	53	<5	<5	<3
ER 5	Pulp	<0.1	10	3	5	<5	<5	<3
ER 6	Pulp	<0.1	14	6	9	123	<5	<3
ER 7	Pulp	<0.1	13	2	10	<5	<5	<3
ER 8	Pulp	0.1	28	9	97	147	<5	<3
ER 9	Pulp	<0.1	2	<2	2	<5	<5	<3
ER10	Pulp	0.1	27	11	122	21	<5	<3
ER11	Pulp	<0.1	3	3	28	<5	<5	<3
ER12	Pulp	<0.1	13	<2	22	<5	<5	<3
ER13	Pulp	0.3	13	12	23	148	27	<3
ER14	Pulp	<0.1	2	5	4	<5	<5	<3
ER15	Pulp	<0.1	6	<2	12	<5	<5	<3
ER16	Pulp	<0.1	12	<2	63	<5	<5	<3
ER18	Pulp	1.7	25	153	189	<5	<5	<3
ER19	Pulp	0.2	15	2	9	29	8	<3
ER20	Pulp	<0.1	7	19	23	<5	5	<3
ER21	Pulp	0.1	17	5	38	<5	<5	<3
ER21 PUP	Pulp	<0.1	154	18	193	<5	<5	<3
ER22	Pulp	0.3	13	17	140	<5	12	<3
ER23	Pulp	0.3	18	<2	16	17	<5	<3
ER24	Pulp	<0.1	27	<2	6	43	9	<3
ER26	Pulp	<0.1	7	<2	24	30	<5	<3
Minimum detection		0.1	1	2	1	5	5	3
Maximum detection		100	20000	20000	20000	10000	1000	10000
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Northern Analytical Laboratories

Project: WO#00075a

Sample Name	Fe %	Mg %	K %	Na %	P %
ER 1	1.01	0.01	0.03	0.01	0.01
ER 2	0.57	0.02	0.07	0.01	0.01
ER 3	1.74	0.03	0.01	0.01	0.01
ER 4	1.27	0.02	0.01	0.01	0.03
ER 5	0.4	<0.01	0.01	0.01	<0.01
ER 6	0.93	0.01	0.02	0.01	0.02
ER 7	0.43	<0.01	0.02	0.01	0.01
ER 8	1.38	0.02	0.04	0.01	<0.01
ER 9	0.17	<0.01	<0.01	0.01	0.02
ER10	1.91	0.09	<0.01	0.01	<0.01
ER11	0.66	0.04	<0.01	0.01	0.07
ER12	1.2	0.05	0.01	0.01	<0.01
ER13	1.08	0.01	0.03	0.01	0.03
ER14	0.23	<0.01	0.01	0.01	<0.01
ER15	1.03	0.01	0.03	0.01	<0.01
ER16	1.26	0.27	0.02	0.01	0.02
ER18	1.13	0.78	0.01	0.01	0.02
ER19	0.93	0.01	0.03	0.01	<0.01
ER20	0.53	0.01	0.01	0.01	0.01
ER21	1.62	0.01	0.03	0.01	0.02
ER21 PUP	11.66	0.02	0.04	0.01	0.29
ER22	7.89	0.19	0.02	0.01	0.17
ER23	0.79	0.08	0.01	0.01	0.02
ER24	0.78	0.01	0.02	0.01	0.01
ER26	0.54	<0.01	0.01	0.01	<0.01
Minimum detection	0.01	0.01	0.01	0.01	0.01
Maximum detection	10	10	10	5	5
Method	ICP	ICP	ICP	ICP	ICP

•



## Appendix 4

### Rock Sample Descriptions

<u>Sample Number</u>	<u>Description</u>
ER1	Grey quartz slight green stain and sulphides (ER 19 + more holes)
ER2	Black graphite (close to fault)
ER3	Quartz fine grained, slight greenish tinge, Py-As Py?
ER4	Quartz fine grained, slight greenish tinge, Py-As Py?
ER5	Quartz fine grained - no sulphides and 2 sides of wall rock?
ER6	Silicified schist quartz boundary limonite fractures
ER7	Quartz with some clay alteration
ER8	Green quartz with limonite fractures
ER9	Bull quartz and open pockets
ER10	Quartz good, blue green stain/clay? Breccia and some sulphides. Limonite areas.
ER11	Quartz white grey with rusty weathered areas
ER12	Quartz - wisp of mariposite limonite fractures
ER13	Quartz breccia and iron oxide
ER14	Fine grained bull quartz
ER15	Quartz fine grained and 2 wall rock sides, few sulphides
ER16	Fine grained quartz + limonite + holes
ER17	Bedrock. Brown weathering chlorite schist. Less muscovite than ER24. Not tested.
ER18	Quartz limonite with green tinge, black sulphides
ER19	Grey quartz, slight green stain + sulphides
ER20	Quartz, slight green stain with grey quartz areas (grey sulphides?)
ER21	Grey quartz, brecciated schist
ER21 (9 Pup)	Quartz limonite breccia with sulphide fragments
ER22	Quartz fine grained + holes + sulphides + wall rock on side. More sulphides than ER26
ER23	Quartz, multiple veining lots of sulphides, As Py

## Rock Sample Descriptions (con't)

<u>Sample Number</u>	<u>Description</u>
ER24	Bedrock. Brown weathering chlorite muscovite schist. Not tested.
ER25	Quartzite weathered out, Mn + sulphides
ER26	Quartz fine grained + holes + sulphides + wall rock on side. Similar to BC26 (1999).

## **Appendix 5**

### **Soil Sample Geochemistry - Assay Results**



105 Copper Road  
 Whitehorse, Yukon  
 Y1A 2Z7  
 Ph: (867) 668-4968  
 Fax: (867) 668-4890  
 E-mail: NAL@hypertech.yk.ca

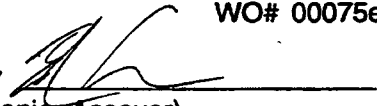
19/10/2000

Certificate of Analysis

# of pages (not including this page): N/A

Peter Ross

WO# 00075e

Certified by   
 Justin Lemphers (Senior Assayer)

Date Received: 02/10/2000

SAMPLE PREPARATION:			
Code	# of Samples	Type	Preparation Description (All wet samples are dried first.)
ss	177	sediment	Screen -80 mesh

ANALYTICAL METHODS SUMMARY:						
Symbol	Units	Element	Method (A:assay) (G:geochem)	Fusion/Digestion	Lower Limit	Upper Limit

AAS = atomic absorption spectrophotometry  
 FA = fire assay

1000ppb = 1ppm = 1g/mt = 0.0001% = 0.029166oz/ton

Northern Analytical

ELEMENT	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
SAMPLES	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
D	6.9	2.8	17.0	0.24	1.44	0.25	49	0.2	0.074	13.1	33.1
E	4.7	3.2	16.2	0.21	0.39	0.19	47	0.2	0.051	13.1	41.1
G	11.0	4.7	17.5	0.16	0.30	0.16	48	0.3	0.068	14.6	40.5
STANDARD DS2	196.9	3.7	27.3	10.41	9.22	10.41	72	0.5	0.086	16.4	155.2

Northern Analytical Laboratories

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
SAMPLES	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm
D	1.87	38.53	12.80	88.9	365	31.9	15.1	929	2.88	18.0	1.6
E	1.43	22.83	10.56	75.6	277	38.0	10.1	490	2.32	13.0	0.6
G	0.97	24.95	12.63	77.8	146	38.3	14.1	646	2.47	9.0	0.8
STANDARD DS2	14.23	122.30	32.50	150.7	268	36.2	12.1	780	2.95	57.2	18.9

Northern Analytical

ELEMENT SAMPLES	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %
D	0.39	190.4	0.042	2	1.41	0.008	0.05	0.4	2.2	0.16	0.04
E	0.58	131.2	0.048	1	1.19	0.008	0.07	< .2	2.2	0.13	0.03
G	0.77	202.4	0.067	1	1.39	0.008	0.09	< .2	2.8	0.13	0.01
STANDARD DS2	0.57	143.2	0.091	2	1.65	0.029	0.16	7.3	2.7	1.82	0.03

Northern Analytical

ELEMENT	Hg	Se	Te	Ga	Sample
SAMPLES	ppb	ppm	ppm	ppm	gm
D	97	0.6	0.07	4.3	30
E	32	0.4	0.06	4.5	30
G	35	0.5	0.04	5.0	30
STANDARD DS2	225	2.4	1.93	6.1	30



## Northern Analytical

ELEMENT SAMPLES	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm
A+50	51.1	4.1	19.6	0.15	0.47	0.16	39	0.3	0.055	12.9	23.7
A+100	4.7	2.9	17.4	0.09	0.41	0.16	45	0.3	0.045	12.5	21.4
A+150	2.8	2.8	20.3	0.12	0.49	0.18	45	0.3	0.052	14.3	24.5
A+200	5.3	2.7	23.8	0.07	0.33	0.15	36	0.4	0.047	12.6	20.1
A+250	6.3	3.9	22.9	0.08	0.48	0.20	48	0.3	0.049	17.4	24.9
A+300	2.9	2.9	20.6	0.14	0.44	0.17	48	0.3	0.054	14.0	22.3
A+350	4.1	3.0	17.0	0.14	0.53	0.17	51	0.2	0.060	15.3	22.9
A+400	2.2	3.1	18.0	0.11	0.39	0.18	35	0.3	0.043	12.5	23.5
A+450	2.6	3.4	23.1	0.09	0.46	0.17	47	0.3	0.053	14.5	23.2
A+500	5.3	3.8	22.1	0.10	0.50	0.17	48	0.3	0.055	17.8	26.3
A+550	3.6	2.9	23.3	0.15	0.49	0.18	48	0.3	0.053	13.4	30.2
A+600	1.4	3.0	22.7	0.14	0.43	0.16	42	0.3	0.052	13.7	21.2
A+650	4.4	3.9	24.4	0.11	0.41	0.14	41	0.4	0.067	14.8	20.8
A+700	3.7	1.4	29.4	0.18	0.44	0.16	40	0.4	0.066	13.8	21.7
A+750	8.0	3.6	24.4	0.09	0.35	0.13	31	0.4	0.065	12.3	20.2
A+800	3.7	3.9	27.3	0.12	0.61	0.17	45	0.4	0.066	13.1	26.5
A+850	5.5	4.0	28.3	0.11	0.62	0.17	51	0.4	0.069	14.5	26.6
A+900	9.5	3.8	25.6	0.16	0.55	0.14	46	0.4	0.072	14.1	22.2
A+950	2.8	4.9	22.3	0.14	0.67	0.18	52	0.3	0.058	18.2	27.2
A+1000	3.7	4.5	27.2	0.13	0.63	0.16	51	0.4	0.063	16.0	26.3
B+100	5.3	7.6	18.3	0.18	0.66	0.21	44	0.2	0.054	26.4	57.2
B+200	12.2	3.6	15.7	0.11	0.40	0.18	44	0.2	0.055	14.2	33.9
B+300	0.9	3.4	17.4	0.10	0.41	0.19	52	0.2	0.050	15.5	25.6
B+400	6.9	2.9	19.9	0.11	0.41	0.18	45	0.2	0.054	15.8	24.7
B+500	3.8	3.3	17.0	0.08	0.34	0.16	44	0.2	0.052	15.1	21.2
RE B+500	2.5	3.0	16.4	0.09	0.31	0.14	43	0.2	0.051	13.6	20.6
B+600	1.9	2.9	19.7	0.08	0.37	0.18	47	0.3	0.044	14.1	23.2
B+700	1.4	2.9	24.2	0.13	0.34	0.17	44	0.3	0.044	12.2	22.5
B+800	3.2	7.8	27.4	0.20	0.81	0.21	56	0.4	0.055	28.1	31.9
B+900	1.7	7.3	25.9	0.11	0.52	0.22	48	0.4	0.046	22.7	28.5
B+1000	3.2	12.6	31.4	0.24	0.95	0.28	48	0.5	0.056	47.0	34.3
B+1100	3.2	7.2	20.7	0.06	0.35	0.23	39	0.3	0.063	28.4	27.5
B+1200	0.6	16.4	7.5	0.06	0.59	0.27	35	0.0	0.018	23.4	26.2
B+1300	1.6	13.2	7.6	0.02	0.32	0.23	36	0.1	0.034	33.6	30.2
STANDARD DS2	190.8	3.6	26.9	10.39	9.48	10.33	73	0.5	0.091	14.9	156.7
B+1400	2.9	9.8	13.3	0.09	0.76	0.23	68	0.1	0.020	15.7	41.0
B+1500	11.9	17.6	21.2	0.05	1.03	0.27	45	0.3	0.021	35.4	31.2
B+1600	11.5	19.7	17.1	0.06	1.16	0.29	32	0.1	0.044	38.2	27.1
B+1700	28.6	28.1	26.4	0.09	1.38	0.37	32	0.4	0.039	45.9	31.8
B+1800	11.8	15.4	21.1	0.05	0.45	0.21	40	0.4	0.042	46.3	28.2
B+1900	9.2	14.9	26.2	0.06	0.53	0.26	37	0.5	0.050	64.4	34.8
B+2000	23.6	8.3	39.2	0.19	0.73	0.25	29	0.6	0.045	43.8	27.0
B+2100	3.0	5.0	15.7	0.11	0.42	0.20	49	0.3	0.073	18.5	24.4
C+100	1.2	3.4	15.7	0.13	0.31	0.18	38	0.2	0.050	13.6	40.0
C+200	1.9	4.3	62.9	0.21	0.86	0.14	46	0.6	0.050	17.5	292.0
C+300	4.8	4.4	41.4	0.16	0.58	0.15	60	0.4	0.039	16.4	217.0

WD 00075E

Northern Analytical Laboratories

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
SAMPLES	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm
A+50	0.85	9.69	13.56	58.3	57	28.5	9.9	381	2.25	80.1	0.6
A+100	0.73	10.27	10.30	44.7	58	13.7	7.1	316	2.00	10.0	0.6
A+150	0.91	15.71	11.58	50.5	91	14.6	7.7	254	2.91	9.3	0.9
A+200	0.50	8.06	9.26	46.2	51	11.9	6.2	221	1.73	5.1	0.7
A+250		14.10	13.70	51.6	81	16.8	9.5	268	2.50	8.9	1.0
A+300		11.59	10.52	51.7	71	13.2	10.6	627	2.28	10.7	0.9
A+350		10.08	10.83	49.0	82	12.9	9.4	334	3.00	12.3	1.0
A+400		11.40	12.20	50.0	52	13.2	6.2	213	1.62	4.8	0.7
A+450		11.67	11.44	45.6	69	13.7	6.9	295	2.15	9.0	0.8
A+500	0.74	16.17	11.51	50.4	78	16.9	10.3	386	2.20	10.1	1.0
A+550	0.74	13.29	10.77	53.8	74	19.2	14.2	764	2.28	9.4	0.7
A+600	0.62	11.67	10.01	48.2	58	12.3	7.3	314	1.88	7.4	0.7
A+650	0.48	9.73	9.36	47.0	46	12.3	7.6	447	1.84	6.8	0.7
A+700	0.61	14.48	10.19	49.3	68	14.2	7.8	438	1.89	6.7	0.7
A+750	0.26	9.08	8.94	45.8	42	11.5	4.7	167	1.45	3.7	0.5
A+800	0.36	20.22	10.95	57.5	69	16.8	6.1	151	1.83	5.0	0.7
A+850	0.62	17.38	10.58	56.2	65	17.7	7.4	230	2.37	7.7	0.8
A+900	0.70	12.93	8.68	47.9	76	13.6	9.4	490	2.08	7.8	0.7
A+950	0.52	21.81	10.72	51.5	77	15.7	9.9	314	2.38	9.6	1.0
A+1000	0.69	19.87	9.97	50.3	58	17.5	8.7	246	2.24	8.8	0.8
B+100	1.23	23.41	21.14	77.5	122	63.0	10.3	406	2.67	32.0	1.4
B+200	0.80	12.63	13.39	50.7	62	28.7	8.1	246	2.13	7.8	0.8
B+300	0.81	12.47	13.81	50.9	78	15.5	6.8	211	2.20	8.1	0.7
B+400	0.67	12.91	11.94	51.8	88	15.9	10.3	346	2.10	6.6	0.8
B+500	0.58	10.16	10.30	48.5	51	14.0	7.0	226	1.90	5.8	0.6
RE B+500	0.52	9.43	9.19	46.4	49	13.7	6.6	222	1.86	5.6	0.6
B+600	0.72	10.40	10.70	50.5	54	15.3	8.7	298	2.13	6.3	0.6
B+700	0.72	11.47	9.67	53.8	73	14.5	6.8	238	1.94	5.9	0.6
B+800	1.19	31.26	12.57	62.0	106	24.0	13.0	547	3.85	14.1	1.6
B+900	0.47	20.88	13.19	53.4	87	20.0	11.4	447	2.87	9.1	1.4
B+1000	0.49	39.91	17.19	80.7	121	40.2	15.0	477	3.06	7.2	1.6
B+1100	0.64	20.47	15.26	64.3	168	26.2	12.0	565	2.88	7.3	1.2
B+1200	0.52	45.61	11.27	62.6	24	43.2	18.8	515	4.71	14.8	1.2
B+1300	0.77	37.57	15.94	55.1	59	40.0	14.1	355	3.46	8.2	1.0
STANDARD DS2	14.31	127.48	32.02	151.5	249	35.7	12.0	807	3.02	59.7	17.9
B+1400	0.99	34.82	14.85	56.9	86	36.8	15.1	336	3.24	12.5	0.7
B+1500	0.64	33.12	21.19	60.6	71	33.3	12.9	409	3.22	32.9	1.4
B+1600	0.75	42.65	21.13	68.4	84	40.3	17.5	742	3.81	62.9	2.4
B+1700	0.66	38.32	29.74	91.2	242	42.8	16.4	582	4.00	151.9	2.0
B+1800	0.48	29.65	15.53	52.7	79	25.2	10.8	339	2.57	8.6	1.7
B+1900	0.46	28.83	36.55	61.8	197	25.5	11.9	349	2.71	18.4	2.5
B+2000	0.35	33.43	34.25	49.9	235	23.1	8.1	165	1.37	4.3	2.2
B+2100	0.85	17.57	16.84	55.3	58	19.1	9.5	334	2.44	16.9	0.8
C+100	0.69	16.91	13.11	53.3	73	34.6	10.2	354	1.98	8.5	0.5
C+200	0.43	28.58	10.33	64.5	118	469.5	32.0	514	2.89	27.9	0.8
C+300	0.49	21.61	10.74	68.1	90	334.4	22.4	516	2.65	20.3	0.7

Northern Analytical

ELEMENT SAMPLES

ELEMENT	SAMPLES	Mg	Ba	Tl	B	Al	Na	K	W	Sc	Tl	S
A+50		0.36	145.7	0.037	1	1.02	0.007	0.07	0.3	1.7	0.08	0.01
A+100		0.36	141.5	0.037	1	1.06	0.008	0.05	0.3	1.5	0.06	0.02
A+150		0.35	198.3	0.035	1	1.30	0.009	0.05	< 2	2.1	0.07	0.03
A+200		0.35	162.4	0.039	2	1.05	0.010	0.06	< 2	1.7	0.07	0.03
A+250		0.36	218.8	0.035	1	1.30	0.011	0.06	< 2	2.2	0.08	0.02
A+300		0.35	183.1	0.040	1	1.23	0.009	0.06	< 2	1.8	0.07	0.02
A+350		0.33	155.8	0.040	1	1.23	0.010	0.05	0.2	1.9	0.07	0.03
A+400		0.37	164.1	0.047	1	1.24	0.009	0.05	< 2	1.8	0.08	0.03
A+450		0.35	184.3	0.047	1	1.19	0.010	0.05	0.2	1.9	0.08	0.03
A+500		0.38	210.2	0.052	1	1.35	0.010	0.05	0.2	2.4	0.08	0.02
A+550		0.40	213.1	0.041	1	1.31	0.009	0.05	< 2	2.0	0.08	0.03
A+600		0.33	181.6	0.042	1	1.15	0.010	0.05	0.2	1.8	0.07	0.03
A+650		0.33	175.0	0.055	1	1.07	0.011	0.05	0.4	1.8	0.06	0.02
A+700		0.35	234.8	0.033	1	1.14	0.009	0.05	< 2	1.7	0.07	0.05
A+750		0.36	165.5	0.055	1	0.99	0.012	0.04	0.5	1.7	0.05	0.02
A+800		0.49	228.1	0.071	2	1.28	0.016	0.05	0.2	2.6	0.07	0.02
A+850		0.47	217.4	0.065	2	1.28	0.014	0.05	0.4	2.4	0.07	0.01
A+900		0.35	180.6	0.064	1	1.08	0.013	0.04	0.5	1.9	0.05	0.02
A+950		0.42	219.1	0.060	1	1.52	0.012	0.05	0.2	2.6	0.08	0.02
A+1000		0.42	228.5	0.073	1	1.39	0.014	0.05	0.3	2.5	0.07	0.01
B+100		0.51	227.9	0.050	1	1.30	0.008	0.10	0.3	4.2	0.17	0.02
B+200		0.43	125.3	0.049	< 1	1.22	0.008	0.06	0.3	1.8	0.11	0.03
B+300		0.42	139.4	0.053	1	1.32	0.009	0.07	0.2	1.9	0.12	0.03
B+400		0.40	173.5	0.048	1	1.35	0.010	0.06	0.2	2.0	0.10	0.03
B+500		0.36	140.3	0.051	1	1.18	0.009	0.05	0.3	1.7	0.09	0.03
RE B+500		0.35	138.6	0.049	1	1.15	0.008	0.05	0.3	1.6	0.07	0.02
B+600		0.40	185.6	0.042	1	1.40	0.009	0.06	< 2	1.9	0.10	0.03
B+700		0.37	184.2	0.047	1	1.24	0.010	0.07	< 2	1.9	0.08	0.02
B+800		0.44	290.3	0.058	1	1.53	0.013	0.07	< 2	3.5	0.09	0.02
B+900		0.44	219.2	0.057	1	1.46	0.011	0.08	< 2	2.7	0.11	0.04
B+1000		0.53	227.1	0.069	2	1.38	0.015	0.18	< 2	4.3	0.15	0.04
B+1100		0.38	207.6	0.035	1	1.47	0.010	0.16	< 2	2.8	0.19	0.03
B+1200		0.18	147.2	0.020	1	1.37	0.004	0.18	0.3	3.0	0.27	0.03
B+1300		0.49	143.8	0.038	1	1.69	0.004	0.26	< 2	2.6	0.24	0.02
STANDARD DS2		0.58	147.2	0.086	1	1.66	0.029	0.16	7.1	2.7	1.74	0.03
B+1400		0.55	275.7	0.077	1	2.74	0.010	0.08	< 2	2.7	0.11	< .01
B+1500		0.45	207.2	0.052	1	1.47	0.007	0.10	< 2	3.2	0.11	< .01
B+1600		0.44	210.9	0.046	1	1.34	0.005	0.24	< 2	2.5	0.21	0.03
B+1700		0.58	169.9	0.055	1	1.67	0.004	0.41	< 2	3.3	0.36	0.03
B+1800		0.52	208.9	0.083	1	1.49	0.011	0.23	< 2	2.9	0.19	0.01
B+1900		0.57	189.6	0.064	1	1.50	0.007	0.27	< 2	2.8	0.21	0.03
B+2000		0.41	210.4	0.045	1	1.31	0.011	0.17	< 2	2.4	0.15	0.08
B+2100		0.47	115.9	0.054	< 1	1.25	0.007	0.07	0.3	1.7	0.10	0.02
C+100		0.59	159.2	0.058	< 1	1.33	0.007	0.13	0.2	1.9	0.12	0.03
C+200		1.91	266.9	0.043	1	1.56	0.009	0.08	< 2	4.5	0.25	0.02
C+300		1.50	255.4	0.083	1	1.75	0.012	0.07	< 2	3.7	0.16	0.01

## Northern Analytical

ELEMENT SAMPLES	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
A+50	22	0.2	0.03	3.4	30
A+100	28	0.2	0.03	3.8	30
A+150	40	0.4	0.02	4.3	30
A+200	34	0.1	0.03	3.8	30
A+250	42	0.3	0.03	4.6	30
A+300	38	0.4	0.02	4.3	30
A+350	39	0.4	0.05	4.3	30
A+400	38	0.1	0.03	4.5	30
A+450	37	0.2	0.03	4.2	30
A+500	39	0.2	0.02	4.5	30
A+550	34	0.2	0.04	4.4	30
A+600	39	0.2	0.02	4.0	30
A+650	41	0.1	0.03	3.6	30
A+700	43	0.4	0.03	4.0	30
A+750	27	0.3	< .02	3.4	30
A+800	35	0.3	0.04	4.4	30
A+850	33	0.2	< .02	4.4	30
A+900	37	0.2	0.03	3.6	30
A+950	40	0.4	0.04	4.6	30
A+1000	33	0.2	0.02	4.3	30
B+100	37	0.2	0.02	4.3	30
B+200	34	0.2	0.03	4.5	30
B+300	36	0.3	0.05	4.8	30
B+400	45	0.4	0.04	4.7	30
B+500	34	0.4	0.04	4.3	30
RE B+500	40	0.4	0.02	3.9	30
B+600	34	0.5	0.03	4.7	30
B+700	34	0.4	0.02	4.8	30
B+800	37	0.8	0.04	4.7	30
B+900	42	0.6	0.04	4.6	30
B+1000	38	1.0	0.03	4.3	30
B+1100	36	0.5	0.03	5.0	30
B+1200	8	0.8	0.06	4.3	15
B+1300	16	0.4	0.05	5.1	30
STANDARD DS2	230	2.3	1.80	6.0	30
B+1400	24	0.3	0.04	6.6	30
B+1500	21	0.5	0.03	4.3	30
B+1600	18	0.3	0.07	4.3	30
B+1700	19	0.5	0.09	5.0	30
B+1800	27	0.4	0.06	4.8	30
B+1900	36	0.5	0.05	5.0	30
B+2000	39	0.4	0.03	4.5	30
B+2100	24	0.3	0.05	4.5	30
C+100	35	0.1	0.03	5.1	30
C+200	34	0.1	0.07	5.4	30
C+300	34	0.4	0.05	6.8	30

## Northern Analytical

ELEMENT SAMPLES	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm
C+400	17.6	4.5	20.4	0.07	0.61	0.13	38	0.4	0.043	12.4	98.0
C+500	3.3	2.3	12.0	0.11	0.46	0.17	44	0.1	0.047	12.6	28.1
C+600	1.9	4.6	17.1	0.25	0.73	0.16	72	0.3	0.087	16.3	46.8
C+700	2.4	2.2	13.7	0.09	0.39	0.18	39	0.2	0.042	12.6	21.9
C+800	5.8	3.5	16.6	0.13	0.61	0.19	45	0.2	0.054	16.1	23.5
C+900	2.1	4.3	22.3	0.09	0.63	0.21	47	0.3	0.049	15.6	25.9
C+1000	2.5	7.5	24.8	0.18	0.92	0.25	51	0.3	0.054	22.9	29.7
REC-1000	2.2	7.2	23.9	0.19	0.88	0.24	50	0.3	0.053	22.1	28.8
C+1100	4.1	8.1	26.3	0.16	0.96	0.25	47	0.3	0.051	28.9	30.2
C+1200	1.0	1.4	7.5	0.07	0.34	0.27	35	0.1	0.030	13.8	20.0
C+1300	0.9	15.0	20.6	0.10	0.72	0.23	61	0.3	0.141	36.5	56.1
C+1400	2.4	17.3	9.7	0.05	3.77	0.44	32	0.1	0.044	45.2	31.6
C+1500	1.8	14.5	13.7	0.02	0.89	0.26	35	0.2	0.052	29.0	29.0
C+1600	5.1	17.9	16.7	0.04	1.42	0.43	30	0.3	0.046	32.1	28.3
C+1700	3.2	12.0	21.8	0.07	1.02	0.23	31	0.2	0.024	26.9	31.6
C+1800	6.6	16.4	32.2	0.09	1.59	0.27	28	0.6	0.035	49.0	23.5
C+2000	4.6	13.0	24.7	0.07	0.79	0.23	39	0.4	0.035	44.0	28.0
C+2300	7.4	3.1	28.8	0.08	0.50	0.17	41	0.5	0.046	11.2	20.9
D+100	5.8	1.4	11.6	0.36	0.62	0.20	41	0.1	0.062	9.1	26.0
D+200	12.3	2.0	18.4	0.19	1.18	0.18	42	0.3	0.063	11.0	40.3
D+300	1.8	2.5	14.2	0.17	0.35	0.26	44	0.2	0.045	11.0	81.2
D+400	3.3	1.9	20.3	0.21	0.37	0.14	40	0.3	0.038	11.6	113.9
D+500	3.1	4.5	21.2	0.13	0.50	0.15	42	0.3	0.055	15.5	167.4
STANDARD DS2	190.5	3.6	26.5	10.17	9.63	10.96	74	0.5	0.090	15.9	161.2
D+600	2.4	5.5	20.1	0.13	0.50	0.18	39	0.3	0.050	16.3	100.7
D+700	3.2	4.5	15.0	0.12	0.39	0.21	47	0.2	0.061	19.6	37.8
D+800	6.7	7.2	16.9	0.16	0.39	0.22	48	0.2	0.063	28.0	42.1
D+900	1.7	6.0	16.9	0.10	0.32	0.22	43	0.3	0.071	26.7	31.8
D+1000	7.6	11.5	17.0	0.11	0.31	0.24	42	0.3	0.076	50.5	36.1
D+1100	9.9	12.8	18.0	0.15	0.34	0.25	44	0.3	0.067	44.2	39.5
D+1200	11.0	4.1	19.7	0.08	0.41	0.24	53	0.3	0.078	25.0	35.1
D+1300	3.3	8.1	17.8	0.08	0.42	0.20	53	0.3	0.039	28.5	38.3
D+1400	60.6	6.8	12.1	0.10	0.39	0.23	47	0.2	0.045	31.8	33.7
D+1500	1.1	8.1	12.8	0.37	0.45	0.24	56	0.2	0.038	24.6	34.4
D+1600	1.4	13.4	8.7	0.10	0.43	0.33	36	0.1	0.024	20.9	25.4
D+1700	0.7	9.8	15.9	0.08	0.34	0.19	41	0.3	0.063	34.1	32.2
D+1800	1.2	3.9	11.0	0.10	0.43	0.15	74	0.2	0.020	7.8	95.6
D+1900	2.8	6.1	16.6	0.10	0.39	0.18	67	0.3	0.049	19.7	52.9
D+2000	1.9	1.1	15.3	0.12	0.37	0.18	68	0.2	0.037	12.8	61.3
D+2100	1.4	4.4	17.7	0.11	0.36	0.13	66	0.4	0.051	15.8	85.5
D+2200	2.9	6.2	21.7	0.11	0.38	0.16	53	0.5	0.054	28.4	59.9
D+2300	2.3	2.8	20.2	0.13	0.30	0.14	55	0.5	0.068	14.5	56.1
D+2400	1.7	6.1	12.8	0.09	0.34	0.17	50	0.2	0.045	18.3	36.6
D+2500	4.4	7.2	20.6	0.10	0.54	0.20	59	0.2	0.054	25.5	37.6
E+100	2.1	3.1	18.1	0.12	0.31	0.16	43	0.4	0.052	12.1	42.6
E+200	2.1	2.4	17.4	0.15	0.32	0.14	39	0.3	0.045	9.6	44.3

Northern Analytical Laboratories

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
SAMPLES	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm
C+400	0.45	21.39	9.11	52.2	63	98.9	11.9	259	1.99	12.9	0.5
C+500	0.65	18.56	10.58	50.1	63	19.3	6.4	156	1.96	7.8	0.7
C+600	1.70	57.77	11.40	100.1	133	44.5	15.4	376	2.98	7.4	0.8
C+700	0.62	13.87	10.60	45.1	79	14.4	5.7	183	1.85	8.5	0.7
C+800	0.80	15.78	14.30	53.8	104	16.0	8.4	271	2.36	9.9	1.0
C+900	0.85	16.80	12.36	53.9	96	17.1	9.9	398	2.55	9.1	1.0
C+1000	0.70	26.57	14.34	62.2	121	22.7	11.7	315	2.67	11.9	1.6
RE C+1000	0.67	25.94	14.01	60.5	115	22.4	12.2	308	2.62	11.9	1.5
C+1100	0.76	34.93	13.96	64.0	136	29.2	13.6	502	2.82	14.7	1.9
C+1200	0.72	18.81	13.63	30.7	45	13.6	5.7	139	1.71	4.5	0.7
C+1300	1.47	54.26	15.40	119.6	21	67.5	27.9	488	4.94	5.1	1.4
C+1400	0.62	41.38	28.67	90.5	23	43.5	18.8	559	4.33	17.9	1.6
C+1500	0.51	35.61	14.66	58.9	90	35.1	14.5	371	3.35	12.8	1.2
C+1600	0.48	41.76	27.82	64.5	84	36.4	15.9	578	3.47	17.2	1.6
C+1700	0.55	31.80	22.86	76.6	96	36.4	15.0	382	3.57	28.3	1.2
C+1800	0.54	26.60	41.69	66.0	292	23.6	16.6	691	3.05	22.5	1.7
C+2000	0.82	25.50	19.48	61.8	166	26.3	12.9	474	2.78	18.6	1.2
C+2300	0.80	10.26	14.56	54.0	110	12.6	7.2	320	1.90	69.4	0.7
D+100	1.62	25.69	10.48	53.8	438	20.6	11.1	697	2.09	10.2	1.1
D+200	0.87	32.90	9.99	54.9	328	26.2	8.1	327	2.10	20.9	0.9
D+300	0.48	33.25	18.45	72.3	105	52.3	10.4	222	2.01	9.3	0.6
D+400	0.26	29.57	10.51	57.9	87	129.3	16.4	213	1.70	5.6	0.6
D+500	0.41	18.73	9.78	58.7	58	210.1	18.1	326	2.23	9.8	0.7
STANDARD DS2	13.99	130.05	34.01	154.9	270	36.2	12.1	817	3.07	58.7	18.8
D+600	0.38	19.43	12.25	59.2	68	135.1	12.8	242	2.32	6.5	0.8
D+700	0.51	19.92	13.18	64.6	86	28.0	9.7	260	2.54	8.4	1.1
D+800	0.58	23.67	13.98	74.1	114	31.3	13.7	409	2.79	8.1	1.3
D+900	0.61	17.84	14.95	67.7	86	22.9	11.1	391	2.65	5.5	1.1
D+1000	0.80	29.18	16.43	75.9	83	27.2	13.7	537	2.91	4.1	2.2
D+1100	0.49	29.52	19.76	81.4	69	33.1	14.5	410	3.07	6.4	1.6
D+1200	0.54	23.23	13.93	58.0	82	23.2	9.8	290	2.78	7.1	1.3
D+1300	0.59	24.54	13.82	62.4	62	28.3	11.5	324	2.65	6.4	1.1
D+1400	0.67	25.17	14.20	55.5	71	25.2	11.3	274	2.76	5.9	1.0
D+1500	1.08	29.36	33.67	89.7	30	31.9	11.9	332	3.07	7.6	0.7
D+1600	1.50	41.87	25.26	67.7	35	38.0	16.5	424	3.15	8.3	1.3
D+1700	0.56	27.11	15.50	53.8	33	27.5	11.4	396	2.55	4.8	1.2
D+1800	0.60	89.60	8.71	66.5	97	55.2	24.2	500	3.49	9.7	0.5
D+1900	0.89	48.56	10.67	62.8	37	39.6	19.1	552	2.93	8.1	0.8
D+2000	0.79	41.53	9.61	46.0	140	35.7	17.0	1117	2.75	7.0	0.5
D+2100	0.52	59.32	8.65	60.3	89	49.5	17.6	626	3.04	6.1	0.6
D+2200	0.52	47.27	11.14	55.2	134	41.3	14.1	428	2.72	5.7	1.4
D+2300	0.48	39.18	8.02	57.7	100	37.0	16.7	546	2.44	5.2	0.6
D+2400	0.60	23.25	13.61	64.1	38	26.8	11.6	364	2.79	6.9	0.8
D+2500	0.75	28.03	12.73	60.7	31	29.1	14.4	567	2.92	10.8	1.3
E+100	0.63	24.38	11.13	57.6	122	35.7	10.0	262	2.06	6.3	0.6
E+200	0.46	24.71	9.20	52.2	93	35.0	8.7	204	1.84	5.4	0.5

## Northern Analytical

ELEMENT SAMPLES	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %
C+400	0.79	152.6	0.055	1	1.31	0.009	0.07	0.2	2.2	0.07	< 01
C+500	0.38	108.5	0.037	1	1.22	0.008	0.05	0.2	1.6	0.10	0.03
C+600	0.66	163.6	0.057	1	1.33	0.008	0.16	0.4	3.7	0.17	0.02
C+700	0.32	145.1	0.034	1	1.23	0.008	0.05	0.2	1.5	0.09	0.03
C+800	0.34	166.4	0.034	1	1.31	0.008	0.05	0.2	1.9	0.08	0.03
C+900	0.40	211.1	0.039	1	1.38	0.011	0.05	< .2	2.1	0.09	0.02
C+1000	0.46	282.8	0.044	< 1	1.47	0.010	0.06	< .2	3.0	0.10	0.02
RE C+1000	0.45	278.5	0.042	1	1.43	0.010	0.06	< .2	3.0	0.09	0.02
C+1100	0.42	286.2	0.056	1	1.48	0.015	0.06	< .2	3.4	0.13	0.02
C+1200	0.18	77.7	0.034	< 1	0.93	0.006	0.07	< .2	1.0	0.12	< 01
C+1300	1.22	211.0	0.113	1	2.58	0.004	0.96	< .2	3.5	0.68	0.01
C+1400	0.34	108.8	0.018	< 1	1.36	0.002	0.18	< .2	3.2	0.22	0.01
C+1500	0.51	132.7	0.053	1	1.23	0.004	0.31	< .2	3.0	0.24	0.01
C+1600	0.53	134.6	0.055	1	1.30	0.004	0.34	< .2	2.8	0.27	0.02
C+1700	0.65	105.9	0.057	1	1.63	0.004	0.32	< .2	1.8	0.24	0.02
C+1800	0.38	177.3	0.030	1	1.10	0.006	0.24	< .2	2.6	0.19	0.04
C+2000	0.47	191.4	0.039	1	1.45	0.009	0.14	< .2	2.5	0.11	0.02
C+2300	0.38	166.3	0.052	1	1.10	0.011	0.06	0.2	1.8	0.07	0.03
D+100	0.28	123.6	0.033	1	1.01	0.008	0.04	0.2	1.7	0.14	0.05
D+200	0.51	172.2	0.040	1	1.16	0.009	0.05	0.3	2.2	0.11	0.04
D+300	0.93	139.9	0.039	1	1.44	0.007	0.04	< .2	2.5	0.09	0.02
D+400	1.24	250.7	0.040	1	1.55	0.009	0.04	< .2	2.4	0.10	0.02
D+500	1.93	183.2	0.052	1	1.49	0.009	0.05	< .2	2.3	0.09	< .01
STANDARD DS2	0.60	150.5	0.088	2	1.70	0.029	0.15	7.2	2.6	1.91	0.03
D+600	1.42	180.1	0.051	2	1.51	0.008	0.06	< .2	2.3	0.10	< 01
D+700	0.56	218.9	0.039	1	1.65	0.007	0.05	< .2	2.5	0.11	0.01
D+800	0.67	263.8	0.054	< 1	1.78	0.006	0.08	< .2	3.0	0.14	< 01
D+900	0.59	210.5	0.052	1	1.71	0.007	0.11	< .2	2.1	0.15	0.01
D+1000	0.69	213.2	0.073	1	1.83	0.007	0.23	< .2	3.0	0.25	0.01
D+1100	0.70	231.6	0.073	1	1.71	0.006	0.21	< .2	3.3	0.22	0.01
D+1200	0.51	249.9	0.040	1	1.85	0.007	0.06	0.2	3.1	0.14	0.01
D+1300	0.63	231.4	0.076	1	1.76	0.007	0.10	< .2	3.0	0.14	0.01
D+1400	0.57	140.3	0.054	< 1	1.79	0.006	0.11	< .2	2.3	0.15	0.01
D+1500	0.45	188.3	0.036	< 1	1.70	0.006	0.06	0.2	3.4	0.15	0.01
D+1600	0.35	105.8	0.022	< 1	1.49	0.003	0.12	0.2	2.4	0.19	0.03
D+1700	0.51	211.7	0.045	1	1.31	0.005	0.07	0.2	3.3	0.09	0.03
D+1800	1.02	127.6	0.047	1	2.11	0.008	0.05	< .2	3.7	0.08	0.02
D+1900	0.76	259.1	0.053	1	1.80	0.008	0.05	< .2	3.4	0.11	0.02
D+2000	0.55	320.9	0.033	1	1.74	0.010	0.05	< .2	2.7	0.10	0.02
D+2100	0.97	281.9	0.040	1	1.74	0.008	0.06	0.2	4.9	0.07	0.02
D+2200	0.70	361.7	0.038	1	1.45	0.008	0.08	< .2	4.4	0.10	0.03
D+2300	0.74	252.5	0.047	2	1.53	0.010	0.06	< .2	3.3	0.08	0.03
D+2400	0.61	163.8	0.062	< 1	1.62	0.005	0.14	< .2	2.1	0.15	< 01
D+2500	0.59	309.8	0.075	1	1.89	0.008	0.08	< .2	4.4	0.09	0.02
E+100	0.68	192.6	0.048	< 1	1.31	0.008	0.08	< .2	2.3	0.10	0.03
E+200	0.66	183.3	0.048	< 1	1.30	0.008	0.09	< .2	2.1	0.09	0.02

## Northern Analytical

ELEMENT SAMPLES	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
C+400	26	0.2	0.03	4.2	30
C+500	33	0.3	0.02	4.6	30
C+600	25	0.5	0.05	4.9	30
C+700	36	0.2	0.02	4.6	30
C+800	49	0.3	0.04	4.6	30
C+900	40	0.3	0.03	4.6	30
C+1000	38	0.3	0.02	4.8	30
RE C+1000	35	0.3	0.03	4.8	30
C+1100	36	0.2	0.03	4.9	30
C+1200	20	0.1	0.03	5.0	30
C+1300	13	0.1	0.05	8.4	30
C+1400	12	0.3	0.05	4.0	30
C+1500	14	0.2	0.04	4.3	30
C+1600	14	0.4	0.04	4.3	30
C+1700	14	0.2	0.06	4.6	30
C+1800	29	0.2	0.04	3.8	30
C+2000	20	0.3	0.02	5.1	30
C+2300	34	0.2	0.04	4.2	30
D+100	88	0.4	0.05	4.2	30
D+200	81	0.7	0.04	3.9	30
D+300	53	0.4	0.03	4.6	30
D+400	30	0.3	0.02	5.0	30
D+500	35	0.2	0.04	4.7	30
STANDARD DS2	212	2.2	1.80	6.2	30
D+600	43	0.3	0.04	4.8	30
D+700	39	0.2	0.03	5.2	30
D+800	43	0.3	0.04	5.7	30
D+900	43	0.2	0.04	5.6	30
D+1000	40	0.4	0.04	5.8	30
D+1100	16	0.1	0.03	5.5	30
D+1200	55	0.4	0.04	5.9	30
D+1300	34	0.2	0.06	5.5	30
D+1400	30	0.2	0.02	5.4	30
D+1500	35	0.2	0.03	5.5	30
D+1600	21	0.2	0.04	4.3	30
D+1700	32	0.2	0.02	4.2	30
D+1800	23	0.3	0.03	5.6	30
D+1900	35	0.3	0.04	5.7	30
D+2000	36	0.3	0.03	6.4	30
D+2100	30	0.2	0.03	4.9	30
D+2200	50	0.3	0.02	4.6	30
D+2300	33	0.3	0.02	4.7	30
D+2400	27	0.1	0.03	5.1	30
D+2500	28	0.2	0.03	5.3	30
E+100	27	0.4	0.04	4.4	30
E+200	31	0.4	0.04	4.3	30



## Northern Analytical

ELEMENT	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
SAMPLES	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
E+300	2.1	3.1	17.8	0.14	0.36	0.11	34	0.3	0.039	10.3	59.3
E+400	2.6	2.7	15.2	0.10	0.26	0.12	38	0.2	0.039	8.5	55.3
E+500	3.0	4.1	18.9	0.18	0.43	0.17	46	0.3	0.049	15.6	53.9
E+600	2.5	4.3	23.3	0.13	0.50	0.18	42	0.3	0.061	21.0	45.5
E+700	4.3	5.3	21.6	0.14	0.44	0.18	41	0.3	0.065	18.9	30.0
E+800	3.9	4.8	26.3	0.09	0.49	0.17	41	0.4	0.049	14.0	45.9
RE E+800	7.5	4.7	25.6	0.10	0.50	0.17	40	0.4	0.049	14.0	44.8
E+900	5.3	3.1	32.9	0.14	0.39	0.19	39	0.5	0.055	18.1	26.7
E+1000	4.5	3.0	20.5	0.14	0.39	0.18	41	0.3	0.052	14.5	23.1
E+1100	6.8	11.9	19.8	0.15	0.77	0.28	43	0.3	0.042	37.5	29.6
E+1200	34.5	21.9	15.5	0.08	3.29	0.39	33	0.2	0.045	65.0	25.3
E+1300	1.3	23.1	7.1	0.19	2.10	1.62	50	0.1	0.071	38.0	113.6
STANDARD DS2	192.7	4.0	28.2	10.44	9.46	11.14	77	0.5	0.098	16.9	167.4
E+1400	3.9	13.6	7.8	0.13	1.27	0.33	29	0.1	0.029	22.9	35.0
E+1500	12.1	11.7	24.3	0.05	1.14	0.24	47	0.4	0.029	35.5	33.6
E+1600	42.4	17.7	16.8	0.04	4.66	0.27	20	0.4	0.055	55.0	21.1
E+1700	18.9	14.2	26.0	0.07	2.36	0.22	34	0.5	0.054	44.5	23.7
E+1800	28.7	17.5	15.4	0.07	1.71	0.25	26	0.4	0.054	63.3	24.1
E+1900	10.2	10.2	25.3	0.15	0.82	0.21	44	0.5	0.036	22.6	29.9
E+2000	6.2	7.5	31.8	0.07	0.56	0.20	42	0.5	0.042	24.9	28.9
E+2100	13.2	12.5	24.5	0.16	0.71	0.21	41	0.5	0.047	34.8	31.9
F+200	4.4	1.0	18.4	0.41	1.03	0.18	40	0.2	0.057	9.0	29.8
F+300	3.7	2.2	35.5	0.40	1.49	0.24	42	0.4	0.061	12.2	79.5
F+400	2.1	3.4	31.0	0.41	0.60	0.20	40	0.5	0.043	14.2	218.4
F+500	4.3	3.6	20.7	0.25	0.57	0.10	38	0.3	0.036	11.6	380.4
F+600	1.7	1.8	25.1	0.12	0.72	0.12	37	0.3	0.037	9.1	352.4
F+700	3.2	2.6	15.2	0.08	0.41	0.09	37	0.2	0.023	7.8	208.0
F+800	5.0	3.4	19.0	0.09	0.64	0.11	39	0.3	0.035	10.8	319.1
F+900	2.5	3.3	16.3	0.10	0.65	0.10	42	0.2	0.033	10.7	272.9
F+1000	4.1	8.1	17.2	0.22	0.41	0.22	54	0.3	0.048	25.1	53.4
RE F+1000	4.0	8.6	17.3	0.21	0.44	0.24	53	0.3	0.051	26.2	52.2
F+1100	1.8	7.9	17.8	0.32	0.63	0.16	84	0.4	0.037	31.0	470.8
F+1200	7.9	10.0	16.5	0.11	0.32	0.24	43	0.4	0.054	26.1	34.8
F+1300	2.3	9.5	17.4	0.11	0.33	0.23	43	0.3	0.060	39.1	32.8
F+1400	1.2	4.8	20.6	0.15	0.32	0.23	52	0.2	0.066	19.1	33.3
F+1500	1.8	6.4	19.1	0.08	0.31	0.15	45	0.3	0.037	15.9	29.9
F+1600	7.0	3.9	19.8	0.07	0.36	0.19	58	0.3	0.053	16.4	40.0
F+1700	2.4	2.1	16.6	0.08	0.39	0.14	73	0.3	0.046	8.4	67.0
F+1800	0.5	1.0	9.3	0.08	0.23	0.11	53	0.2	0.035	8.6	42.9
F+1900A	2.4	6.0	16.9	0.11	0.56	0.17	71	0.2	0.019	13.3	41.9
F+1900B	2.1	3.2	22.1	0.11	0.55	0.15	48	0.3	0.042	14.0	245.7
F+2000	1.9	11.2	14.5	0.10	0.44	0.23	50	0.1	0.028	37.3	28.0
F+2100	0.5	8.7	9.9	0.16	0.33	0.14	61	0.1	0.024	12.2	58.4
G+100	3.8	3.4	15.3	0.14	0.27	0.13	55	0.3	0.060	10.5	52.7
G+200	2.8	2.3	13.3	0.11	0.33	0.13	53	0.2	0.046	9.4	39.6
G+300	2.4	2.0	19.1	0.13	0.30	0.14	43	0.3	0.039	12.1	52.8

## Northern Analytical Laboratories

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
SAMPLES	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm
E+300	0.23	39.68	6.44	43.1	56	52.5	10.9	213	1.59	4.4	0.5
E+400	0.33	31.14	6.48	42.6	40	48.1	11.4	279	1.83	5.6	0.3
E+500	0.35	40.04	10.97	57.4	94	64.9	15.4	308	2.29	6.1	0.7
E+600	0.49	32.29	12.09	57.1	81	61.6	13.5	448	2.33	7.5	0.9
E+700	0.52	19.92	12.63	55.9	86	26.2	9.8	379	2.26	7.7	0.9
E+800	0.64	21.81	12.59	57.4	71	62.4	15.4	808	2.53	17.2	0.9
RE E+800	0.61	22.12	12.79	57.8	77	61.9	14.9	795	2.52	16.6	0.9
E+900	0.72	17.31	13.60	55.4	168	26.5	15.9	822	2.19	13.5	1.4
E+1000	0.34	17.00	12.47	52.8	72	14.8	6.7	154	1.86	6.3	0.8
E+1100	0.76	31.24	18.63	67.2	113	26.8	11.1	228	2.85	17.9	2.4
E+1200	0.66	53.40	23.37	77.0	205	35.4	16.2	279	4.15	117.5	2.7
E+1300	0.97	49.27	93.13	142.7	39	72.4	31.0	832	6.50	49.4	2.5
STANDARD DS2	14.25	131.79	33.47	157.8	257	36.5	13.1	840	3.17	60.3	19.3
E+1400	0.47	26.53	58.83	104.5	43	42.3	16.0	420	3.47	12.4	1.1
E+1500	0.74	30.08	17.59	57.4	101	28.4	10.4	346	2.84	16.2	1.7
E+1600	1.39	34.16	22.79	58.7	295	25.1	9.6	276	2.73	80.4	2.4
E+1700	0.80	39.15	17.27	63.1	204	33.1	13.3	457	2.77	41.1	2.5
E+1800	0.70	31.35	23.00	70.5	181	26.7	12.7	453	3.06	58.7	2.9
E+1900	0.55	25.65	21.62	59.0	82	21.4	10.4	359	2.46	14.5	1.3
E+2000	0.49	26.25	13.90	55.7	104	25.5	9.5	286	2.43	12.4	3.1
E+2100	0.59	31.30	18.13	74.3	100	30.2	14.8	484	2.87	15.5	1.9
F+200	1.62	26.53	11.30	63.0	366	35.9	7.3	356	1.90	9.4	1.1
F+300	1.57	25.55	18.65	81.0	273	102.6	13.2	641	2.22	9.5	1.2
F+400	0.71	28.21	21.30	79.9	170	234.0	21.5	620	2.15	7.4	1.1
F+500	0.48	26.66	9.58	52.0	96	391.1	27.1	478	2.03	7.7	1.0
F+600	0.34	34.41	7.25	46.0	54	429.3	25.6	326	2.06	8.3	1.0
F+700	0.13	18.64	6.79	38.2	39	204.2	16.5	178	1.86	7.7	0.3
F+800	0.12	17.01	7.69	42.1	51	352.0	19.0	245	2.12	6.9	0.6
F+900	0.15	16.78	7.66	42.0	45	314.5	22.6	290	2.32	10.2	0.7
F+1000	0.62	25.22	13.97	71.9	117	48.9	15.9	595	3.06	12.7	1.4
RE F+1000	0.67	25.14	14.91	71.0	125	48.4	15.7	602	3.05	12.2	1.5
F+1100	0.60	34.24	11.11	98.4	106	442.3	45.8	617	3.86	226.0	1.0
F+1200	0.34	20.25	18.75	74.2	85	24.6	12.0	339	2.66	4.8	1.0
F+1300	0.70	22.56	15.66	68.0	130	28.7	12.1	395	2.97	5.8	2.0
F+1400	0.57	18.68	15.67	74.5	49	27.6	12.9	419	2.98	8.1	1.0
F+1500	0.63	16.36	14.00	54.2	41	20.1	9.2	353	2.36	7.4	0.8
F+1600	0.90	26.22	13.50	57.6	86	29.6	13.3	372	3.05	7.6	1.0
F+1700	0.64	68.65	6.79	75.2	110	40.9	16.8	421	2.87	8.3	0.4
F+1800	0.65	45.50	6.86	43.9	49	26.4	12.0	324	2.15	4.3	0.5
F+1900A	0.99	23.86	12.06	64.6	18	30.9	13.0	389	3.11	10.4	0.6
F+1900B	0.34	20.84	9.81	56.6	84	306.6	22.2	337	2.40	17.4	0.8
F+2000	0.95	28.99	21.87	62.1	50	30.5	13.0	486	2.93	5.4	1.1
F+2100	1.43	24.96	14.69	102.2	37	42.0	15.3	358	4.02	6.0	1.0
G+100	0.84	33.78	9.67	72.0	126	43.1	11.7	440	2.41	5.4	0.5
G+200	1.06	18.63	9.22	50.5	95	33.4	7.6	274	2.48	9.8	0.5
G+300	0.44	31.44	8.43	48.5	107	47.8	8.0	204	1.93	8.2	0.5

## Northern Analytical

ELEMENT	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S
SAMPLES	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%
E+300	0.68	176.3	0.055	1	1.17	0.010	0.04	< 2	2.4	0.04	0.02
E+400	0.67	142.2	0.050	1	1.15	0.008	0.04	< 2	2.0	0.05	0.02
E+500	0.67	242.0	0.053	1	1.47	0.009	0.06	< 2	2.6	0.08	0.02
E+600	0.59	233.7	0.053	1	1.48	0.010	0.07	< 2	2.6	0.09	0.02
E+700	0.48	231.6	0.051	2	1.32	0.008	0.06	0.2	2.3	0.08	0.02
E+800	0.59	192.0	0.045	1	1.36	0.008	0.06	< 2	2.1	0.07	0.03
RE E+800	0.58	191.6	0.042	1	1.35	0.008	0.06	< 2	2.2	0.07	0.04
E+900	0.45	221.3	0.037	1	1.36	0.008	0.06	< 2	2.1	0.09	0.04
E+1000	0.43	218.7	0.037	1	1.34	0.008	0.05	< 2	2.0	0.08	0.03
E+1100	0.56	234.7	0.066	1	1.70	0.008	0.11	0.2	3.1	0.14	0.03
E+1200	0.39	140.4	0.030	1	1.17	0.006	0.10	0.2	3.3	0.13	0.02
E+1300	0.83	110.8	0.024	< 1	2.39	0.002	0.27	< 2	5.1	0.31	0.02
STANDARD DS2	0.61	153.8	0.096	3	1.76	0.031	0.17	7.0	2.7	1.91	0.04
E+1400	0.83	101.0	0.046	1	2.06	0.002	0.35	0.3	2.0	0.35	0.01
E+1500	0.55	249.0	0.050	1	1.66	0.007	0.08	0.2	3.0	0.09	0.01
E+1600	0.29	85.2	0.008	1	0.88	0.003	0.11	0.2	2.0	0.13	0.02
E+1700	0.40	188.3	0.024	< 1	1.14	0.008	0.08	0.3	2.8	0.09	0.03
E+1800	0.47	105.2	0.034	< 1	1.28	0.004	0.17	< 2	2.1	0.14	0.02
E+1900	0.55	163.3	0.069	< 1	1.66	0.011	0.09	< 2	2.4	0.10	0.02
E+2000	0.54	200.3	0.050	< 1	1.58	0.010	0.08	< 2	2.4	0.08	0.03
E+2100	0.63	185.9	0.048	< 1	1.62	0.008	0.09	0.2	2.6	0.09	0.02
F+200	0.29	131.7	0.036	< 1	0.84	0.009	0.05	0.3	1.2	0.19	0.02
F+300	0.71	220.5	0.033	1	1.05	0.010	0.06	< 2	2.3	0.13	0.04
F+400	1.81	240.4	0.047	< 1	1.35	0.010	0.06	< 2	2.5	0.11	0.04
F+500	2.53	187.1	0.047	< 1	1.42	0.009	0.06	< 2	2.8	0.09	< 0.1
F+600	2.72	178.2	0.048	1	1.57	0.013	0.06	< 2	2.4	0.07	0.01
F+700	2.07	120.8	0.055	1	1.40	0.010	0.04	< 2	1.8	0.05	< 0.1
F+800	3.01	170.6	0.051	< 1	1.49	0.011	0.04	< 2	2.5	0.07	< 0.1
F+900	2.49	152.8	0.050	1	1.36	0.012	0.04	< 2	2.4	0.07	< 0.1
F+1000	0.66	273.6	0.044	1	1.85	0.008	0.06	< 2	3.3	0.13	0.01
RE F+1000	0.65	271.0	0.042	< 1	1.80	0.007	0.06	0.2	3.4	0.14	0.01
F+1100	2.75	187.8	0.049	1	2.47	0.005	0.08	< 2	5.6	0.19	0.01
F+1200	0.51	198.8	0.040	< 1	1.54	0.006	0.08	0.3	2.7	0.12	0.02
F+1300	0.45	218.8	0.043	1	1.50	0.008	0.08	< 2	2.9	0.13	0.02
F+1400	0.53	178.4	0.051	1	1.77	0.006	0.12	< 2	2.2	0.13	0.03
F+1500	0.46	219.8	0.047	1	1.52	0.006	0.07	< 2	2.1	0.08	0.01
F+1600	0.54	285.2	0.042	1	1.97	0.009	0.06	< 2	2.6	0.10	0.02
F+1700	0.86	154.5	0.059	< 1	1.73	0.011	0.06	< 2	3.4	0.07	0.01
F+1800	0.48	85.9	0.054	< 1	1.24	0.014	0.05	< 2	1.6	0.09	0.03
F+1900A	0.66	211.4	0.094	< 1	2.28	0.008	0.06	< 2	2.7	0.13	0.01
F+1900B	2.19	224.2	0.042	1	1.66	0.009	0.05	< 2	2.9	0.09	0.02
F+2000	0.41	186.9	0.061	1	1.36	0.007	0.10	< 2	2.2	0.11	0.03
F+2100	0.85	153.7	0.089	1	2.79	0.004	0.49	< 2	2.4	0.40	0.02
G+100	0.94	209.9	0.069	< 1	1.47	0.009	0.19	< 2	2.6	0.14	0.02
G+200	0.51	123.0	0.048	1	1.25	0.009	0.05	< 2	1.7	0.07	0.02
G+300	0.64	193.9	0.048	1	1.43	0.009	0.05	< 2	2.1	0.07	0.02

## Northern Analytical

ELEMENT	Hg	Se	Te	Ga	Sample
SAMPLES	ppb	ppm	ppm	ppm	gm
E+300	22	0.3	0.04	3.3	30
E+400	14	0.2	< .02	3.3	30
E+500	40	0.1	0.03	4.5	30
E+600	33	0.1	0.02	4.7	30
E+700	36	0.2	0.04	4.5	30
E+800	28	0.2	0.03	4.4	30
RE E+800	18	0.2	0.07	4.3	30
E+900	43	0.2	0.05	4.4	30
E+1000	34	0.1	0.02	4.4	30
E+1100	41	0.5	0.05	5.0	15
E+1200	31	0.6	0.05	3.3	30
E+1300	25	0.6	0.17	6.2	30
STANDARD DS2	223	2.3	1.77	6.1	30
E+1400	21	0.4	0.06	5.3	30
E+1500	34	0.2	0.03	4.7	30
E+1600	23	0.4	0.02	2.5	30
E+1700	28	0.5	0.04	3.4	30
E+1800	24	0.4	0.03	3.7	30
E+1900	35	0.4	0.04	5.2	30
E+2000	40	0.5	0.03	4.8	30
E+2100	22	0.4	0.02	5.0	30
F+200	98	0.7	0.06	3.7	30
F+300	86	0.7	0.04	3.7	30
F+400	47	0.5	0.03	4.0	30
F+500	30	0.6	< .02	3.9	30
F+600	42	0.3	0.04	4.5	30
F+700	18	0.2	< .02	3.7	30
F+800	46	0.1	0.02	4.1	30
F+900	51	0.2	< .02	4.1	30
F+1000	49	0.2	< .02	5.7	30
RE F+1000	55	0.4	0.04	5.7	30
F+1100	36	0.4	0.06	7.9	30
F+1200	45	0.4	0.02	4.8	30
F+1300	38	0.4	0.02	4.6	30
F+1400	17	0.3	0.04	5.9	30
F+1500	16	0.2	< .02	4.1	30
F+1600	42	0.3	0.03	6.3	15
F+1700	19	0.4	< .02	6.0	30
F+1800	22	0.3	< .02	5.1	30
F+1900A	23	0.3	0.05	6.6	30
F+1900B	49	0.3	< .02	4.9	30
F+2000	12	0.4	0.02	4.9	30
F+2100	20	0.4	0.03	10.3	30
G+100	19	0.4	0.02	5.3	30
G+200	42	0.3	0.05	4.1	30
G+300	35	0.3	< .02	4.5	30

## Northern Analytical

ELEMENT	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
SAMPLES	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
G+400	4.3	2.7	17.7	0.13	0.34	0.14	41	0.3	0.039	12.0	57.5
STANDARD DS2	191.6	3.6	26.1	10.32	9.02	10.46	74	0.5	0.087	15.6	160.9
G+500	4.2	3.8	22.6	0.12	0.42	0.17	46	0.3	0.041	16.1	64.4
G+600	4.1	3.6	23.2	0.18	0.36	0.16	44	0.3	0.042	13.8	52.2
G+700	2.9	2.7	20.5	0.08	0.35	0.13	35	0.3	0.037	11.8	50.9
G+800	1.4	2.5	20.8	0.07	0.38	0.15	41	0.3	0.038	10.7	47.0
G+900	4.8	10.3	30.0	0.16	0.95	0.24	41	0.5	0.051	30.9	27.8
G+1000	2.4	7.6	25.7	0.08	0.85	0.23	40	0.4	0.052	18.0	25.8
G+1100	8.1	9.5	29.5	0.26	1.26	0.24	49	0.4	0.056	26.7	29.6
G+1200	4.1	6.5	14.5	0.05	1.04	0.21	43	0.2	0.033	25.4	27.7
G+1300	3.7	9.6	25.7	0.12	0.90	0.22	62	0.3	0.068	41.3	39.1
G+1400	1.0	6.8	9.8	0.08	0.39	0.22	50	0.1	0.031	7.7	36.0
G+1500	1.6	5.6	11.4	0.12	0.61	0.17	81	0.1	0.021	9.3	63.1
G+1600	3.8	7.0	14.5	0.08	0.69	0.17	52	0.2	0.017	16.6	31.1
G+1700	2.9	7.3	10.0	0.08	0.83	0.27	55	0.1	0.031	17.2	24.0
G+1800	3.2	13.7	14.3	0.04	0.71	0.24	46	0.2	0.016	35.9	32.2
G+1900	12.3	8.5	37.6	0.12	2.09	0.24	32	0.7	0.057	57.6	24.4
G+2000	8.5	7.2	30.0	0.09	1.17	0.21	42	0.6	0.050	29.9	28.3
G+2100	11.0	9.1	35.4	0.14	1.00	0.24	43	0.7	0.043	36.0	30.1
S+50	4.8	3.2	20.9	0.13	0.52	0.17	39	0.3	0.058	16.2	23.0
S+150	3.7	4.5	19.2	0.12	0.59	0.20	47	0.3	0.052	23.6	26.4
S+250	4.4	3.6	20.7	0.13	0.57	0.20	51	0.3	0.063	16.0	25.2
S+360	5.2	3.3	18.3	0.08	0.38	0.18	42	0.3	0.053	15.0	21.6
S+450	3.0	3.2	22.4	0.10	0.38	0.19	45	0.3	0.051	14.3	20.5
S+585	2.3	2.5	24.2	0.15	0.43	0.20	49	0.3	0.053	14.2	23.5
S+650	2.9	3.8	22.5	0.10	0.36	0.14	37	0.4	0.042	12.7	19.6
RE S+650	1.4	3.7	23.0	0.09	0.36	0.14	36	0.4	0.041	12.6	19.0
S+750	5.1	4.7	37.5	0.14	0.61	0.20	44	0.6	0.049	17.9	24.6
S+850	1.4	12.4	18.1	0.05	0.28	0.31	32	0.4	0.041	25.6	26.8
S+950	9.4	14.6	27.1	0.04	0.50	0.27	46	0.4	0.037	68.5	39.8
S+1050	0.8	8.5	11.4	0.07	0.44	0.27	44	0.1	0.039	17.6	28.1
S+1150	0.8	7.0	14.3	0.08	0.52	0.25	69	0.1	0.023	13.8	36.4
S+1250	< .2	14.0	10.3	0.06	0.40	0.32	56	0.1	0.022	28.6	36.2
S+1350	0.6	6.9	10.5	0.05	0.40	0.27	54	0.1	0.033	16.5	30.6
S+1450	0.6	14.0	21.1	0.04	0.35	0.30	35	0.2	0.023	24.0	27.0
S+1550	0.3	10.7	8.5	0.04	0.18	0.32	38	0.1	0.027	19.2	47.2
STANDARD DS2	192.9	3.9	28.4	10.48	9.10	10.87	74	0.5	0.092	16.6	160.8
S+1650	1.6	16.2	16.9	0.05	0.82	0.37	36	0.2	0.027	30.2	29.5
S+1750	3.1	3.0	16.8	0.12	0.37	0.18	45	0.2	0.053	13.8	23.1
S+1850	5.2	3.8	50.9	0.16	0.54	0.16	40	0.9	0.052	16.3	22.3
S+1950	2.1	12.4	27.8	0.14	0.42	0.27	38	0.6	0.037	53.7	28.0
S+2150	5.0	16.8	31.1	0.09	0.38	0.28	36	0.6	0.036	62.7	34.7
S+2250	3.6	4.0	19.7	0.16	0.45	0.22	43	0.3	0.056	17.6	25.9
S+2350	4.0	3.4	20.8	0.16	0.38	0.19	39	0.3	0.050	15.7	24.8
S+2450	4.9	3.4	21.9	0.12	0.42	0.20	44	0.3	0.054	14.6	21.3
RE S+2450	6.3	3.3	21.8	0.12	0.41	0.20	45	0.3	0.052	14.6	21.8

## Northern Analytical Laboratories

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
SAMPLES	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm
G+400	0.31	37.72	8.65	51.5	81	57.9	9.8	198	1.94	6.1	0.6
STANDARD DS2	13.79	123.85	31.12	153.5	255	35.8	11.8	799	2.98	58.1	17.9
G+500	0.48	39.65	9.94	54.5	84	73.8	11.8	349	2.25	6.6	0.8
G+600	0.53	31.36	10.39	55.0	73	54.5	9.6	321	2.09	6.8	0.7
G+700	0.48	33.76	9.00	42.3	71	66.7	13.9	459	1.79	9.7	0.6
G+800	0.71	13.84	9.95	41.3	47	27.6	6.5	194	1.83	9.4	0.5
G+900	0.56	27.64	16.87	67.4	115	23.2	9.6	213	2.44	10.7	1.8
G+1000	0.56	12.37	18.68	65.9	83	15.4	8.9	335	2.36	13.7	1.1
G+1100	0.64	32.77	16.48	66.3	136	26.5	10.5	277	2.45	14.2	3.5
G+1200	0.61	21.56	15.03	46.9	70	20.6	6.6	155	2.16	15.4	1.2
G+1300	0.72	31.05	15.65	64.7	59	44.5	13.2	523	3.02	10.2	1.2
G+1400	0.82	31.88	15.49	69.6	54	42.2	15.4	318	3.51	6.5	0.5
G+1500	1.10	44.45	16.86	80.0	192	41.5	14.6	386	3.78	10.3	0.5
G+1600	0.82	20.89	16.85	50.8	42	21.3	9.8	362	2.60	16.4	0.6
G+1700	1.09	22.63	19.73	51.5	128	21.9	10.2	756	3.09	13.7	0.8
G+1800	0.79	36.39	14.11	73.0	31	37.0	12.5	264	2.96	10.5	1.1
G+1900	0.60	33.20	25.54	66.6	242	27.8	10.1	570	2.66	23.4	3.5
G+2000	0.60	32.88	15.61	58.5	124	25.0	10.1	476	2.58	18.9	1.9
G+2100	0.65	34.22	18.39	61.8	148	24.9	10.6	433	2.65	19.5	2.1
S+50	0.50	11.50	12.55	53.6	87	14.9	9.9	261	1.95	31.5	0.8
S+150	0.73	19.79	14.04	55.3	106	17.1	9.8	606	2.59	14.0	1.3
S+250	0.93	12.22	14.48	53.0	84	16.9	9.0	375	2.46	21.8	0.8
S+360	0.58	11.43	11.45	47.1	64	14.6	7.5	255	1.93	6.6	0.7
S+450	0.85	9.80	11.20	46.7	73	13.8	9.7	473	2.10	8.9	0.7
S+585	0.97	12.24	13.21	55.8	92	15.8	7.7	341	2.26	11.1	0.7
S+650	0.55	9.96	9.30	43.7	57	13.9	7.5	301	1.78	6.6	0.6
RE S+650	0.55	10.19	9.66	43.6	53	13.1	7.8	299	1.77	6.6	0.6
S+750	0.78	15.96	12.22	53.8	85	16.4	10.8	549	2.33	11.2	1.2
S+850	0.64	32.06	21.28	67.0	48	33.6	12.7	412	3.14	5.3	1.0
S+950	0.59	26.76	16.95	58.5	144	30.8	10.2	232	3.08	10.5	2.0
S+1050	0.69	25.59	20.30	60.0	34	27.8	12.1	370	3.07	8.1	0.8
S+1150	1.12	22.98	18.87	53.7	62	29.8	13.3	327	3.54	10.3	0.6
S+1250	0.86	30.87	21.94	76.0	29	37.1	13.2	368	4.23	8.5	1.2
S+1350	1.00	26.48	12.30	73.3	29	33.6	12.3	374	3.88	7.2	1.0
S+1450	0.66	31.83	16.61	70.6	24	37.1	12.3	296	3.56	5.4	1.5
S+1550	0.75	23.81	16.43	68.3	36	31.6	12.4	361	3.21	2.1	1.0
STANDARD DS2	14.29	126.39	33.04	152.3	269	35.9	11.5	805	3.02	59.5	19.7
S+1650	0.52	34.58	22.38	81.8	26	39.9	16.8	399	3.38	16.0	1.5
S+1750	0.58	14.29	13.87	53.8	69	16.7	7.1	224	2.31	13.1	0.7
S+1850	0.62	18.53	9.54	48.9	80	16.6	10.3	687	2.11	9.1	1.3
S+1950	0.93	28.96	21.79	56.6	90	28.0	13.8	271	2.80	13.9	1.6
S+2150	0.63	33.65	20.07	67.9	129	38.4	14.2	490	3.06	6.9	2.1
S+2250	0.54	17.03	15.68	59.3	108	19.3	8.3	254	2.31	16.0	0.9
S+2350	0.44	15.85	12.15	57.5	91	18.5	6.3	182	2.02	10.8	0.9
S+2450	0.74	14.04	13.73	49.5	100	15.4	9.3	350	2.19	20.0	1.0
RE S+2450	0.77	13.86	13.42	51.5	101	14.9	9.6	358	2.20	19.4	1.0

## Northern Analytical

ELEMENT	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S
SAMPLES	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%
G+400	0.70	210.7	0.054	1	1.52	0.008	0.05	< 2	2.3	0.07	0.02
STANDARD DS2	0.58	148.3	0.093	2	1.69	0.028	0.16	7.1	2.5	1.79	0.04
G+500	0.73	248.3	0.064	2	1.73	0.010	0.06	< 2	2.8	0.09	0.01
G+600	0.66	211.6	0.061	1	1.51	0.010	0.07	< 2	2.3	0.08	0.02
G+700	0.62	169.8	0.040	< 1	1.13	0.007	0.05	< 2	1.8	0.06	0.01
G+800	0.61	110.6	0.039	1	1.28	0.008	0.05	< 2	1.7	0.07	0.03
G+900	0.44	190.3	0.043	1	1.37	0.009	0.09	< 2	3.1	0.10	0.04
G+1000	0.41	149.3	0.049	2	1.49	0.009	0.08	< 2	2.2	0.09	0.02
G+1100	0.46	275.3	0.057	1	1.49	0.012	0.07	< 2	3.1	0.10	0.04
G+1200	0.41	171.3	0.035	1	1.56	0.007	0.06	< 2	2.1	0.12	0.01
G+1300	0.60	348.9	0.085	1	2.01	0.012	0.08	< 2	4.7	0.12	0.01
G+1400	0.70	178.2	0.063	1	2.64	0.005	0.22	< 2	2.5	0.27	0.01
G+1500	0.90	251.8	0.117	1	2.80	0.007	0.22	< 2	3.0	0.30	0.01
G+1600	0.50	140.1	0.061	1	1.57	0.006	0.10	< 2	2.0	0.10	0.01
G+1700	0.29	139.2	0.035	< 1	1.54	0.006	0.09	< 2	1.7	0.11	< .01
G+1800	0.66	150.1	0.059	1	1.68	0.006	0.09	< 2	2.6	0.15	0.01
G+1900	0.35	204.0	0.019	1	1.27	0.007	0.10	< 2	2.6	0.10	0.05
G+2000	0.51	233.1	0.036	1	1.42	0.009	0.06	< 2	2.6	0.07	0.02
G+2100	0.51	219.8	0.039	1	1.55	0.009	0.08	< 2	3.0	0.08	0.03
S+50	0.36	213.9	0.039	1	1.21	0.009	0.06	0.3	2.1	0.08	0.01
S+150	0.39	221.6	0.037	1	1.42	0.009	0.06	0.2	2.7	0.09	0.02
S+250	0.39	166.7	0.042	1	1.30	0.009	0.06	0.2	1.8	0.08	0.02
S+360	0.37	174.1	0.041	1	1.23	0.008	0.05	0.2	1.8	0.08	0.02
S+450	0.36	168.9	0.037	1	1.15	0.008	0.06	0.2	1.7	0.08	0.02
S+585	0.40	206.2	0.033	1	1.34	0.009	0.05	< 2	1.7	0.09	0.03
S+650	0.37	151.5	0.045	1	1.04	0.009	0.05	< 2	1.7	0.06	0.02
RE S+650	0.37	151.9	0.043	1	1.02	0.009	0.05	< 2	1.6	0.07	0.01
S+750	0.43	215.4	0.043	1	1.24	0.011	0.06	< 2	2.2	0.07	0.05
S+850	0.66	153.9	0.058	1	1.41	0.006	0.27	< 2	3.1	0.26	< .01
S+950	0.57	206.4	0.054	2	1.76	0.007	0.18	< 2	3.5	0.19	0.02
S+1050	0.24	115.1	0.018	1	1.16	0.005	0.09	< 2	2.7	0.09	0.01
S+1150	0.39	225.7	0.048	2	2.15	0.007	0.09	< 2	2.6	0.10	< .01
S+1250	0.40	187.1	0.038	1	2.17	0.005	0.17	< 2	4.3	0.20	0.01
S+1350	0.28	112.4	0.035	1	1.46	0.004	0.12	< 2	2.9	0.18	< .01
S+1450	0.47	134.3	0.055	2	1.33	0.004	0.30	< 2	3.2	0.28	0.01
S+1550	0.58	86.7	0.067	1	1.30	0.004	0.30	< 2	2.4	0.33	0.01
STANDARD DS2	0.58	149.5	0.094	2	1.69	0.029	0.16	7.0	2.6	1.85	0.03
S+1650	0.42	114.2	0.038	1	1.14	0.006	0.12	< 2	3.2	0.15	0.01
S+1750	0.39	142.6	0.040	1	1.27	0.008	0.05	0.2	1.8	0.08	0.02
S+1850	0.37	207.1	0.047	2	1.16	0.012	0.06	< 2	2.3	0.07	0.06
S+1950	0.38	184.1	0.036	1	1.16	0.008	0.11	< 2	3.3	0.13	0.05
S+2150	0.43	195.6	0.040	1	1.20	0.009	0.17	< 2	4.0	0.18	0.02
S+2250	0.42	188.6	0.040	1	1.40	0.008	0.05	0.3	2.2	0.10	0.04
S+2350	0.44	206.2	0.045	1	1.35	0.009	0.05	0.2	2.1	0.08	0.03
S+2450	0.37	184.0	0.039	2	1.15	0.010	0.05	< 2	1.9	0.08	0.04
RE S+2450	0.37	186.5	0.040	< 1	1.19	0.010	0.05	0.2	2.0	0.08	0.04

## Northern Analytical

ELEMENT SAMPLES	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
G+400	37	0.4	0.03	4.6	30
STANDARD DS2	219	2.2	1.82	6.1	30
G+500	38	0.1	< .02	5.3	30
G+600	34	0.1	< .02	4.8	30
G+700	25	0.2	< .02	3.6	30
G+800	26	0.2	0.04	4.5	30
G+900	35	0.2	0.03	4.4	30
G+1000	46	0.3	0.04	4.7	30
G+1100	38	0.2	0.04	4.7	30
G+1200	33	< 1	0.02	4.9	30
G+1300	36	0.1	0.03	6.0	30
G+1400	30	< .1	0.04	6.5	30
G+1500	25	0.2	0.07	9.8	15
G+1600	14	0.2	0.04	5.5	30
G+1700	24	0.4	0.03	6.6	30
G+1800	11	0.2	0.03	5.0	30
G+1900	38	0.5	0.03	4.0	30
G+2000	36	0.4	0.04	4.5	30
G+2100	46	0.4	0.05	4.7	30
S+50	38	0.3	0.03	4.0	30
S+150	49	0.3	0.02	4.6	30
S+250	36	0.3	0.03	4.3	30
S+360	50	0.3	0.02	4.1	30
S+450	40	0.1	0.03	4.1	30
S+585	44	0.2	< .02	4.7	30
S+650	27	0.2	0.02	3.5	30
RE S+650	23	0.3	< .02	3.6	30
S+750	38	0.6	0.04	4.3	30
S+850	14	0.2	0.04	4.7	30
S+950	42	0.3	0.04	5.6	30
S+1050	13	0.3	0.02	3.9	30
S+1150	18	0.3	0.04	6.9	30
S+1250	16	0.3	0.04	5.8	30
S+1350	16	0.2	0.05	5.9	30
S+1450	12	0.2	0.03	4.8	30
S+1550	8	0.2	0.02	5.2	30
STANDARD DS2	223	2.3	1.90	6.2	30
S+1650	17	0.2	0.07	3.7	30
S+1750	40	0.3	0.04	4.5	30
S+1850	30	0.5	0.04	3.9	30
S+1950	42	0.2	0.03	3.8	30
S+2150	23	0.2	0.03	4.1	30
S+2250	42	0.2	0.03	4.9	30
S+2350	29	0.2	0.04	4.8	30
S+2450	35	0.4	0.04	4.5	30
RE S+2450	38	0.1	< .02	4.5	30