Geochemical and Prospecting Report on the ERNI 1-80 Claims Dawson Mining District

by

J. Peter Ross, Prospector

NTS: 115 N/15
Latitude: 63° 58' N
Longitude: 140° 55' W
Dates Worked: J.P. Ross June 6-24, 2000
Hans Algottson June 15-24, 2000

Dated: November 2000

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 1600.

M Bell

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

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Chapter One: SUMMARY and RECOMMENDATIONS

1.1 Summary

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.

In 1999 J. Peter Ross and Hans Algottson of Dawson City prospected and took float /bedrock, silt, pan concentrate and soil samples. Kennecott Canada Exploration Inc. paid for 11 silt samples, 11 rock samples and 22 soil samples. J. Peter Ross paid for 4 silt samples, 19 rock samples and 12 pan concentrates. Dates worked were J. Peter Ross - June 8, 10-22 and July 13, 1999. Hans Algottson - June 10-22, 1999.

One float sample B26 ran 2,835 ppb Au, 1.1 ppm Ag, 5.8% As, 17 ppm Sb, Hg not detected, Bi not detected, and W not detected.

Of fifteen silt samples for Au -80 +200, Au -80 +250 mesh; two were 25 - 50 ppb Au, two were 51 - 99 ppb Au and three were >100 ppb Au.

Of fifteen silt samples for Au -200, Au -250 mesh; none were 25 - 50 ppb Au, four were 51 - 99 ppb Au, and six were >100 ppb Au.

Of fourteen pan concentrate samples; none were 25 - 49 ppb Au, one was 50 - 99 ppb Au and three were >1000 ppb Au.

Of twenty-two soil samples; four were interesting.

	Au ppb	Sb ppm	As ppm	Bi ppm	Pb ppm	Te ppm	W ppm
T5	34	0.3	18.6	0.14	8	<0.05	0.25
T8	2	2.7	78.8	1.24	74	0.15	0.2
T10	19	1.7	44.6	.018	10	<0.05	0.25
S10	125	0.2	10.8	0.14	14	<0.05	0.95

In 2000 work was done before and after the June 24, 2000 anniversary date. For simplicity all data is in this report.

The soil grid was frozen in many places and I had to return many times in order to get a "decent" sample.

Of 25 float samples tested, the best result was a disappointing 62 ppb Au.

Of 177 soil samples tested, 23 were anomalous for gold, 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.

1.2 Recommendations

All eighty claims will be kept. One year of assessment work was done and filed for 4 claim groups; 2 years of assessment work was done and filed for 1 claim group. Each group has 16 claims.

Future work should be to fill in gaps in the soil grid and extend the soil grid to new untested areas.

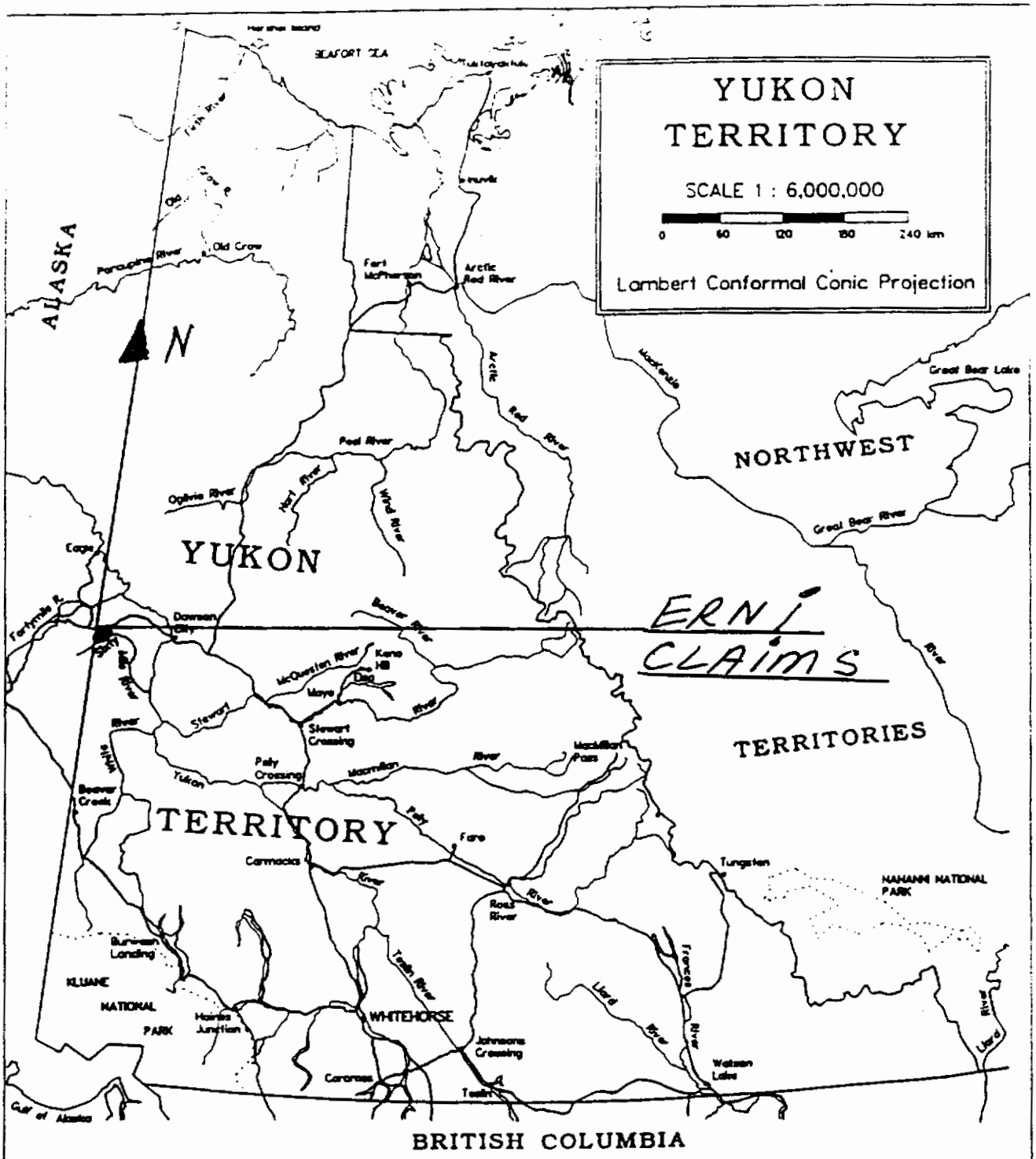

FIGURE #1

LOCATION MAP

ERNI 1-80(2000)

DAWSON MINING DISTRICT

141° 00'

64° 00'

115N 15

ERNI (1-80)

N

Bedrock

Bedrock Hill

3000

4000

Pat Murphy Creek

Mosquito CREEK

094133

FIGURE #2
CLAIM LOCATION MAP
DAWSON CITY MIN. DIST.
NTS 115 N 15
DATE 20-NOV-2000
DRAWN by JP ROSS
SCALE 1:31,680

141°00'

64°00'

55'

50'

40'

094133

ERNI (1-80)

4269G "Sixtymile"

57,580

57,600

3000

2500

River

57,500

3500

57,700

57,600

BEDROCK HILL

Mile

Sixty

8500

4500

57,800

58,000

58,400

58,200

5500

57,900

57,700

55'

ALASKA

YUKON TERRITORY

N

FIGURE #3

CLAIMS / MAGNETIC DATA

GEOPHYSICS PAPER 4268

NTS 115 N 15

DATE 20 NOV 2000

DRAWN by JP ROSS

SCALE 1:50,000

N

Murphy

Creek

094133

ERNI

YC07331 YC07333 YC07335 YC07337 YC07339 YC07341 YC07343 YC07345 YC07347 YC07349

61 63 65 67 69 71 73 75 77 79

62 64 66 68 70 72 74 76 78 80

YC07332 YC07334 YC07336 YC07338 YC07340 YC07342 YC07344 YC07346 YC07348 YC07350

41 43 45 47 49 51 53 55 57 59

YC07311 YC07313 YC07315 YC07317 YC07319 YC07321 YC07323 YC07325 YC07327 YC07329

42 44 46 48 50 52 54 56 58 60

ERNI

YC07312 YC07314 YC07316 YC07318 YC07320 YC07322 YC07324 YC07326 YC07328 YC07330

21 23 25 27 29 31 33 35 37 39

YC07291 YC07293 YC07295 YC07297 YC07299 YC07301 YC07303 YC07305 YC07307 YC07309

22 24 26 28 30 32 34 36 38 40

YC07300 YC07302 YC07304 YC07306 YC07308 YC07310

9 11 13 15 17 19

YC07279 YC07281 YC07283 YC07285 YC07287 YC07289

10 12 14 16 18 20

ERNI

YC07272 YC07274 YC07276 YC07278 YC07280 YC07282 YC07284 YC07286 YC07288 YC07290

ER1821(9PUP)

ER22,23

ER10-16(21)

ER1,2,3-9,19,20

ER25

ER26

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

N

Murphy Creek

094133

ERNI

YC07331 YC07333 YC07335 YC07337 YC07339 YC07341 YC07343 YC07345 YC07347 YC07349

61 63 65 67 69 71 73 75 77 79

62 64 66 68 70 72 74 76 78 80

YC07332 YC07334 YC07336 YC07338 YC07340 YC07342 YC07344 YC07346 YC07348 YC07350

41 43 45 47 49 51 53 55 57 59

YC07311 YC07313 YC07315 YC07317 YC07319 YC07321 YC07323 YC07325 YC07327 YC07329

42 44 46 48 50 52 54 56 58 60

ERNI

YC07312 YC07314 YC07316 YC07318 YC07320 YC07322 YC07324 YC07326 YC07328 YC07330

21 23 25 27 29 31 33 35 37 39

YC07291 YC07293 YC07295 YC07297 YC07299 YC07301 YC07303 YC07305 YC07307 YC07309

22 24 26 28 30 32 34 36 38 40

YC07300 YC07302 YC07304 YC07306 YC07308 YC07310

9 11 13 15 17 19

YC07279 YC07281 YC07283 YC07285 YC07287 YC07289

10 12 14 16 18 20

ERNI

YC07272 YC07274 YC07276 YC07278 YC07260 YC07282 YC07284 YC07286 YC07288 YC07290

F+2100 F LINE

D+2500 D LINE

E+2100 E LINE

G+2200 G LINE

C+2500 C LINE

D+2400 B LINE

S+2450 S LINE

A LINE A+1000

FIGURE #6

SOIL SAMPLE LOCATION

DAWSON MINING DISTRICT

NTS 115 N 15

A SOIL SAMPLE LINE

DATE 20 NOV 2000

DRAWN by JP ROSS

SCALE 1:15,840

ERNI CLAIMS

FIGURE #4
CLAIMS / GEOLOGY
NTS 115 N 15
DATE 20 NOV 2000
DRAWN by JP ROSS
SCALE 1:50,000

UNITED STATES OF AMERICA
CANADA

GEOLOGICAL LEGEND

NASINA Assemblage

Late (?) Devonian to Early Mississippian

DMasc medium to dark weathering chlorite (+- biotite) schist, amphobolite and garnet amphibolite

DMsqc graphitic Nasina Assemblage undifferentiated (mainly pale to dark gray weathering, fine grained quartzite, quartz-muscovite (+-chlorite) schist, locally garnetiferous)

DMs medium to coarse grained mica schist, commonly garnetiferous, amphibolite, minor quartzite

Meta Plutonic Rocks

Middle to Late Permian

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

Klondike Schist Assemblage

Late Devonian to Early Mississippian

Psqm rusty weathering quartz-muscovite schist

Dawson/Clinton Creek Assembledge
(Slide Mt. Terrane)

Middle or Upper Paleozoic

lPu serpentine, serpentinized 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:	FIGURE 4A

Chapter Two: INTRODUCTION

2.1 Introductory Statement

On the dates June 8 - June 30, July 23, August 3-11, and October 3, 2000 - J. Peter Ross prospected and took float and soil samples on the claims. June 6, 7, 30 and July 7, 23 and October 3 were travel days for J. Peter Ross.

Hans Algottson worked as a helper from June 14-26, 2000.

NB. The data in this report covers dates preceding and following the claims anniversary date.

Twenty-five (25) float rock samples were taken and tested by fire assay Au (30g) and 30 element ICP.

One hundred and seventy-seven (177) soil samples were taken from 8 soil lines, at 50 or 100 yard intervals and tested for ultratrace ICP 36 element (-80 mesh) and Au (30g).

Float sample locations were marked by orange ribbon. Soil sample locations were marked by blue and yellow ribbon.

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.

2.2 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.

2.3 History

Geology in the claims area is Late Devonian to Early Mississippian.

DM_S and DM_{asc}	Medium to coarse grained mica schist, commonly garnetiferous, amphibolite, minor quartzite. Medium to dark weathering chlorite (± biotite) schist, amphibolite and garnet amphibolite.
DM_{sqc}	Graphitic Nasina Assemblage undifferentiated (mainly pale to dark gray weathering, fine grained quartzite, quartz-muscovite (± chlorite) schist, locally garnetiferous).
P_{sqm}	Rusty weathering quartz-muscovite schist.
lPu	serpentine, serpentinized harsburgite, carbonatized ultramafic rocks; talc carbonate schist

Two thrust faults are present-inferred and join up in the western area of the claims.

An interesting magnetic anomaly is present. A flat center with a magnetic aureole?

Placer mining has taken place and about ±10,000 ounces was produced. The MOLY claims that were staked in the past and present for hard rock exploration seem to have little data plus a few rumours. Hans Algottson said old placer mines where the MOLY claims were staked were very rich. An area of two placer claims - just below the thrust fault??

Other areas nearby where explored for hard rock. See Minfile Lerner - 115N 039, The - 115N 115, and Bedrock - 115N 123.

Chapter Three: PROPERTY DESCRIPTION

Claim Name	Grant No.	Grouping	Date Staked	Date Recorded	Expiry Date
ERNI 1	YC07271	HD00427	98.06.16	98.06.24	2001.06.24
ERNI 2	YC07272	HD00427	98.06.16	98.06.24	2001.06.24
ERNI 3	YC07273	HD00427	98.06.16	98.06.24	2001.06.24
ERNI 4	YC07274	HD00427	98.06.16	98.06.24	2001.06.24
ERNI 5	YC07275	HD00426	98.06.16	98.06.24	2001.06.24
ERNI 6	YC07276	HD00426	98.06.16	98.06.24	2001.06.24
ERNI 7	YC07277	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 8	YC07278	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 9	YC07279	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 10	YC07280	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 11	YC07281	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 12	YC07282	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 13	YC07283	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 14	YC07284	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 15	YC07285	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 16	YC07286	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 17	YC07287	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 18	YC07288	HD00426	98.06.17	98.06.24	2001.06.24
ERNI 19	YC07289	HD00426	98.06.23	98.06.24	2001.06.24
ERNI 20	YC07290	HD00426	98.06.23	98.06.24	2001.06.24
ERNI 21	YC07291	HD00427	98.06.10	98.06.24	2001.06.24
ERNI 22	YC07292	HD00427	98.06.10	98.06.24	2001.06.24
ERNI 23	YC07293	HD00427	98.06.10	98.06.24	2001.06.24
ERNI 24	YC07294	HD00427	98.06.10	98.06.24	2001.06.24
ERNI 25	YC07295	HD00428	98.06.10	98.06.24	2002.06.24
ERNI 26	YC07296	HD00427	98.06.10	98.06.24	2001.06.24
ERNI 27	YC07297	HD00428	98.06.10	98.06.24	2002.06.24
ERNI 28	YC07298	HD00427	98.06.10	98.06.24	2001.06.24
ERNI 29	YC07299	HD00428	98.06.10	98.06.24	2002.06.24
ERNI 30	YC07300	HD00427	98.06.10	98.06.24	2001.06.24
ERNI 31	YC07301	HD00428	98.06.11	98.06.24	2002.06.24
ERNI 32	YC07302	HD00427	98.06.11	98.06.24	2001.06.24
ERNI 33	YC07303	HD00428	98.06.11	98.06.24	2002.06.24
ERNI 34	YC07304	HD00427	98.06.11	98.06.24	2001.06.24
ERNI 35	YC07305	HD00428	98.06.11	98.06.24	2002.06.24
ERNI 36	YC07306	HD00427	98.06.11	98.06.24	2001.06.24
ERNI 37	YC07307	HD00428	98.06.11	98.06.24	2002.06.24
ERNI 38	YC07308	HD00427	98.06.11	98.06.24	2001.06.24
ERNI 39	YC07309	HD00428	98.06.11	98.06.24	2002.06.24
ERNI 40	YC07310	HD00427	98.06.11	98.06.24	2001.06.24
ERNI 41	YC07311	HD00429	98.06.20	98.06.24	2001.06.24
ERNI 42	YC07312	HD00429	98.06.20	98.06.24	2001.06.24
ERNI 43	YC07313	HD00429	98.06.20	98.06.24	2001.06.24
ERNI 44	YC07314	HD00429	98.06.23*	98.06.24	2001.06.24
ERNI 45	YC07315	HD00429	98.06.20	98.06.24	2001.06.24
ERNI 46	YC07316	HD00428	98.06.20	98.06.24	2002.06.24
ERNI 47	YC07317	HD00429	98.06.20	98.06.24	2001.06.24
ERNI 48	YC07318	HD00428	98.06.20	98.06.24	2002.06.24
ERNI 49	YC07319	HD00429	98.06.20	98.06.24	2001.06.24
ERNI 50	YC07320	HD00428	98.06.20	98.06.24	2002.06.24

* This date was noted in error when recording the claim. It should be 98.06.20.

Chapter Three: PROPERTY DESCRIPTION

Claim Name	Grant No.	Grouping	Date Staked	Date Recorded	Expiry Date
ERNI 51	YC07321	HD00429	98.06.20	98.06.24	2001.06.24
ERNI 52	YC07322	HD00428	98.06.20	98.06.24	2002.06.24
ERNI 53	YC07323	HD00429	98.06.20	98.06.24	2001.06.24
ERNI 54	YC07324	HD00428	98.06.20	98.06.24	2002.06.24
ERNI 55	YC07325	HD00429	98.06.20	98.06.24	2001.06.24
ERNI 56	YC07326	HD00428	98.06.20	98.06.24	2002.06.24
ERNI 57	YC07327	HD00429	98.06.20	98.06.24	2001.06.24
ERNI 58	YC07328	HD00428	98.06.20	98.06.24	2002.06.24
ERNI 59	YC07329	HD00429	98.06.20	98.06.24	2001.06.24
ERNI 60	YC07330	HD00428	98.06.20	98.06.24	2002.06.24
ERNI 61	YC07331	HD00430	98.06.18	98.06.24	2001.06.24
ERNI 62	YC07332	HD00430	98.06.18	98.06.24	2001.06.24
ERNI 63	YC07333	HD00430	98.06.18	98.06.24	2001.06.24
ERNI 64	YC07334	HD00430	98.06.18	98.06.24	2001.06.24
ERNI 65	YC07335	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 66	YC07336	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 67	YC07337	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 68	YC07338	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 69	YC07339	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 70	YC07340	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 71	YC07341	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 72	YC07342	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 73	YC07343	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 74	YC07344	HD00429	98.06.19	98.06.24	2001.06.24
ERNI 75	YC07345	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 76	YC07346	HD00429	98.06.19	98.06.24	2001.06.24
ERNI 77	YC07347	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 78	YC07348	HD00429	98.06.19	98.06.24	2001.06.24
ERNI 79	YC07349	HD00430	98.06.19	98.06.24	2001.06.24
ERNI 80	YC07350	HD00429	98.06.19	98.06.24	2001.06.24

Chapter Four: GEOCHEMICAL SURVEY and PROSPECTING

4.1 Rock Geochemistry

The best rock sample was 62 ppb Au.

4.2 Soil Geochemistry

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 assay data 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
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

4.2 Soil Geochemistry (con't)

	Au ppb	Ag ppm
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

4.3 Interpretation

In 1999 Kennecott Canada Exploration Inc. and Madrona Mining Ltd. explored for gold on my UNI - CICI - CREEK claim groups to the north. After this year of exploration the joint venture was terminated. Madrona has explored for 4 years and Kennecott completed a 1 year joint venture with Madrona. Madrona has since optioned the claims for another 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 3rd 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

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

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

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

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. Trottier, 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).

YUKON MINFILE
YUKON GEOLOGY PROGRAM
WHITEHORSE

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

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. Mollot 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).

Appendix 2

Statement of Costs

Claims: ERNI 1-80, YC07271 - YC07350
Dates worked: J.P. Ross: June 6-24, 2000
Hans Algottson: June 15-24, 2000

Item	Details	Amount and Unit Cost	Total Cost
Labour	J. Peter Ross June 6-24, 2000	19 days @ $250/day	$4,750.00
	Hans Algottson June 15-24, 2000	10 days @ $150/day	1,500.00
Camp Costs	J. Peter Ross Hans Algottson	19 days @ $35.00/day 10 days @ $35.00/day	665.00 350.00
Transportation	Vehicle Self-owned GMC J. Peter Ross - 700 km Truck rental H. Algottson	 $1,450/month @ 25% 700 km @ $0.42/km 10 days @ $20/day	 362.50 294.00 200.00
Assaying	J. Peter Ross	76 soil @ $28.17 14 rock @ $26.25	2,140.92 367.50
Radio	Spilsbury SBX 11	Self owned $150/month @ 25%	37.50
Report Preparation			960.00
		TOTAL COST	$11,627.42

Eleven thousand six hundred and twenty seven dollars and ninety-two cents ($11,627.42)
$9,600.00 will go towards 1 year of assessment work for groups A - HD00426, B - HD00427, D - HD00429 and E - HD00430 and 2 years of assessment work for group C - HD00428.

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 4

Rock Sample Geochemistry - Assay Results

Northern Analytical Laboratories ltd.

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

Northern Analytical Laboratories ltd.

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

Peter Ross

WØ# 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

•

Northern Analytical Laboratories
Project: WO#00075a

Sample Name	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ER 1	1	<10	<2	0.4	3	12	213	<5	108
ER 2	11	<10	<2	0.5	3	8	191	<5	112
ER 3	1	<10	<2	2.3	11	33	36	<5	236
ER 4	<1	<10	<2	0.9	5	19	32	<5	200
ER 5	1	<10	<2	<0.1	1	7	6	<5	360
ER 6	1	<10	<2	0.4	1	4	39	<5	153
ER 7	1	<10	<2	<0.1	2	5	20	<5	170
ER 8	1	<10	<2	1.7	71	1262	230	<5	354
ER 9	<1	<10	<2	0.1	1	7	11	<5	122
ER10	1	<10	<2	2.6	54	815	98	<5	197
ER11	1	<10	<2	0.2	2	11	31	<5	103
ER12	<1	<10	<2	0.6	12	91	40	<5	161
ER13	2	<10	<2	0.4	2	11	332	<5	117
ER14	1	<10	<2	0.2	<1	5	24	<5	161
ER15	2	<10	<2	0.5	2	8	47	<5	259
ER16	1	<10	<2	0.8	5	13	56	<5	314
ER18	1	<10	<2	2.6	2	13	23	<5	154
ER19	1	<10	<2	0.3	1	6	79	<5	116
ER20	1	<10	<2	0.3	2	11	71	<5	211
ER21	<1	<10	<2	0.9	3	18	36	<5	137
ER21 PUP	7	<10	<2	4.5	39	79	398	<5	104
ER22	2	<10	<2	2.3	13	44	25	<5	109
ER23	<1	<10	<2	0.3	4	11	22	<5	136
ER24	1	<10	<2	0.2	1	4	81	<5	119
ER26	1	<10	<2	0.2	2	22	49	<5	161
Minimum detection	1	10	2	0.1	1	1	2	5	1
Maximum detection	1000	1000	10000	100	10000	10000	10000	1000	10000
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

Northern Analytical Laboratories
Project: WO#00075a

Sample Name	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca
	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
ER 1	4	183	<2	19	2	<1	<0.01	0.06	0.01
ER 2	35	253	3	8	6	1	<0.01	0.13	0.02
ER 3	5	103	<2	2	2	<1	<0.01	0.03	0.03
ER 4	9	132	19	3	3	1	<0.01	0.05	0.06
ER 5	2	35	<2	<1	1	<1	<0.01	0.01	<0.01
ER 6	16	51	2	2	1	1	<0.01	0.06	0.01
ER 7	3	29	17	1	1	<1	<0.01	0.03	<0.01
ER 8	5	1264	<2	3	2	3	<0.01	0.71	0.09
ER 9	<2	44	<2	1	1	<1	<0.01	0.01	0.07
ER10	8	544	<2	2	3	2	<0.01	0.21	0.04
ER11	3	339	<2	7	2	<1	<0.01	0.03	1.78
ER12	2	341	<2	<1	1	1	<0.01	0.03	0.05
ER13	6	61	7	70	2	1	<0.01	0.14	0.02
ER14	<2	42	<2	3	<1	<1	<0.01	0.02	<0.01
ER15	2	84	3	3	<1	<1	<0.01	0.04	0.1
ER16	5	279	5	10	2	2	<0.01	0.13	0.47
ER18	3	492	<2	23	2	<1	<0.01	0.04	2.06
ER19	4	25	<2	4	2	<1	<0.01	0.04	0.02
ER20	2	208	<2	12	1	<1	<0.01	0.04	0.02
ER21	4	411	<2	2	2	<1	<0.01	0.1	0.03
ER21 PUP	91	753	2	7	5	1	<0.01	0.47	0.06
ER22	27	1106	<2	17	12	5	<0.01	0.1	0.4
ER23	2	377	<2	2	6	<1	<0.01	0.08	0.04
ER24	2	192	<2	3	1	<1	<0.01	0.05	0.01
ER26	3	51	<2	3	1	<1	<0.01	0.03	0.01
Minimum detection	2	1	2	1	1	1	0.01	0.01	0.01
Maximum detection	10000	10000	10000	10000	10000	10000	1	10	10
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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 5

Rock Sample Descriptions

Sample Number	Description
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)

Sample Number	Description
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 6

Soil Sample Geochemistry - Assay Results

Northern Analytical Laboratories ltd.

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

094133

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	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S
SAMPLES	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%
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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
SAMPLES	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	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

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WO 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	[illegible]	14.10	13.70	51.6	81	16.8	9.5	268	2.50	8.9	1.0
A+300	[illegible]	11.59	10.52	51.7	71	13.2	10.6	627	2.28	10.7	0.9
[illegible]	[illegible]	08	10.83	49.0	82	12.9	9.4	334	3.00	12.3	1.0
[illegible]	[illegible]	40	12.20	50.0	52	13.2	6.2	213	1.62	4.8	0.7
[illegible]	[illegible]	87	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

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Northern Analytical

ELEMENT	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S
SAMPLES	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%
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	Hg	Se	Te	Ga	Sample
SAMPLES	ppb	ppm	ppm	ppm	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
SAMPLES	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	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	20.5	7.5	24.8	0.18	0.92	0.25	51	0.3	0.054	22.9	29.7
RE C+1000	17.2	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

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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

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ELEMENT	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S
SAMPLES	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%
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

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ELEMENT	Hg	Se	Te	Ga	Sample
SAMPLES	ppb	ppm	ppm	ppm	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

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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

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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

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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	< .01
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	< .01
F+800	3.01	170.6	0.051	< 1	1.49	0.011	0.04	< .2	2.5	0.07	< .01
F+900	2.49	152.8	0.050	1	1.36	0.012	0.04	< .2	2.4	0.07	< .01
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

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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

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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

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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

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ELEMENT	Hg	Se	Te	Ga	Sample
SAMPLES	ppb	ppm	ppm	ppm	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