

**GEOCHEMICAL**

**REPORT**

**SPEAR 1 - 4**

**YC46722 – YC46725**

**NTS # 115 I \ 7**

**LAT: 62° 40 N**

**LONG: 137° 22 W**

**WHITEHORSE MINING DISTRICT**

**AUTHOR OF REPORT SHAWN RYAN**

**WORK PERFORMED SEPTEMBER 27, 2006**

**DATE OF REPORT SEPTEMBER 18, 2007**

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## **1.0 SUMMARY**

The Spear Claims had a total 10 soils taken as a orientation survey across a magnetic high anomaly centered on the small claim block. A total of five MMI and five ICP soil were collected side by side. Results were mixed.

## **2.0 INTRODUCTION**

The Spear Claims had 5 MMI sample and 5 ICP sample collected on 200 meter of traverse. Both type of soil sample were collected at the same station to compare results.

## **3.0 LOCATION**

The Spear Claims are located 85 kilometers North West of the community of Carmacks. The claims block consists of 4 claims all located in the Whitehorse mining district on NTS 115 I / 11.

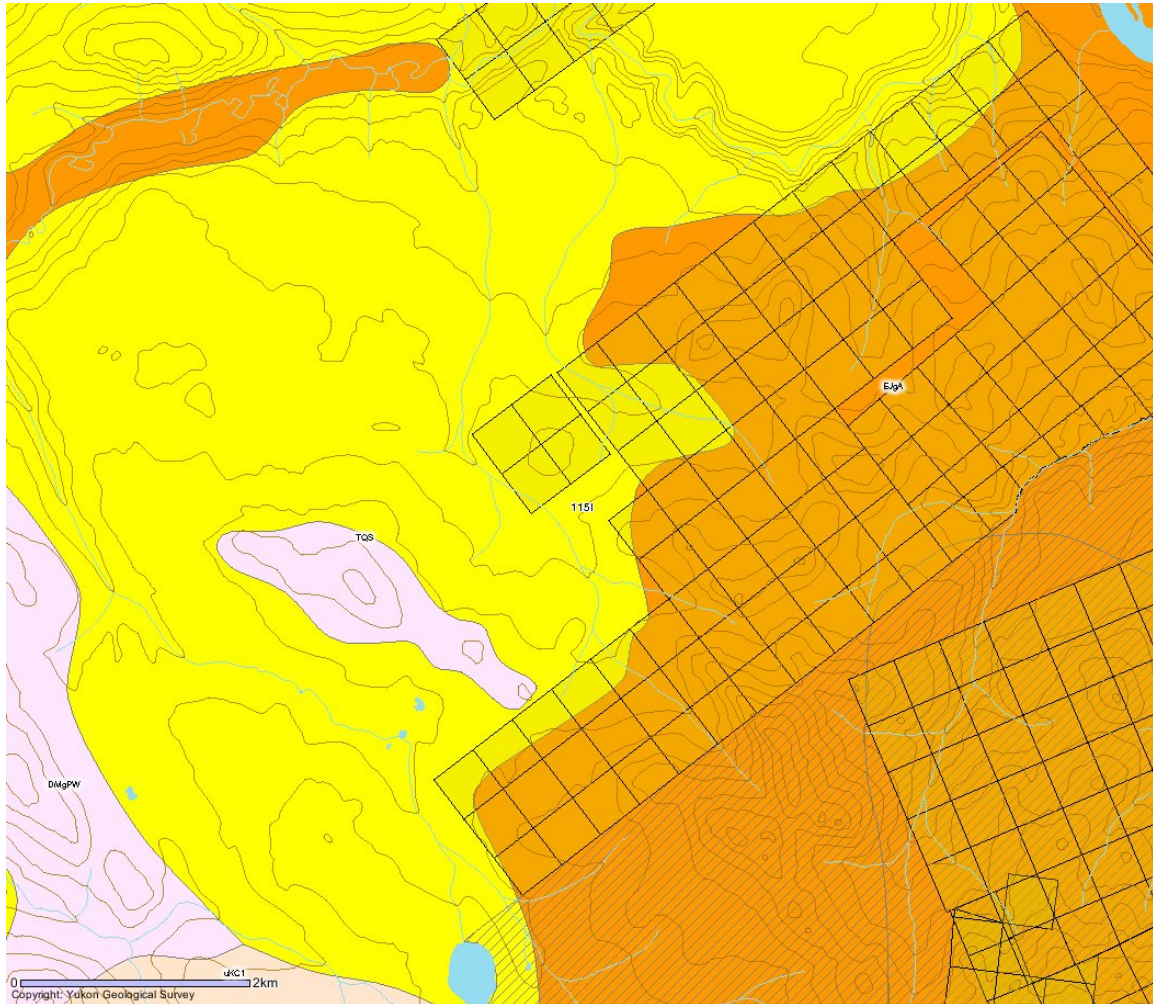
## **4.0 ACCESS**

The Spear Claims can be reached via helicopter from Carmacks.

## **5.0 PROPERTY GEOLOGY**

The Yukon Geology web site indicates the Spear Claims are sitting on Tertiary to Quaternary (TQS) Selkirk Volcanics.

# SPEAR YTG GEOLOGY MAP



## TERTIARY(?) AND QUATERNARY



### TQS: SELKIRK

resistant, brown weathering, columnar jointed, vesicular to massive basalt flows; minor pillow basalt; basaltic tuff and breccia (**Selkirk Volcanics**)

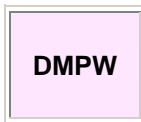
## EARLY JURASSIC



### **EJgA: AISHIHIK SUITE**

medium- to coarse- grained, foliated biotite-hornblende granodiorite; biotite rich screens and gneiss schlieren; foliated hornblende diorite to monzodiorite with local K-feldspar megacrysts; may include unfoliated monzonite of the Long Lake Suite (**Aishihik Suite**)

## LATE DEVONIAN TO MISSISSIPPIAN



### **DMPW: PELLY GNEISS SUITE - SOUTHWEST**

variably deformed granitic rocks of predominantly felsic (q) to intermediate composition (g) southwest of Tintina Fault

g. foliated medium grained, homogeneous biotite granite gneiss to biotite or hornblende granodiorite gneiss; massive to strongly foliated dioritic to granodioritic gneiss; includes interfoliated amphibolite, quartz-mica schist and phyllite (**Selwyn Gneiss, Pelly Gneiss, N. Fiftymile Batholith, Moose Creek Orthogneiss**)

## 6.0 WORK PERFORMED / METHODS

### Soil Survey

The Spear Claims had 1 man days of soil work collecting 5 MMI and 5 ICP samples.

The ICP Samples where collected;

All soil sample where taken with one meter soil probes and sometime with a prospector pick. We carried both on rocky talus slope. Soil sample location where marked on the ground with orange flagging and recorded in Garmin GPS. About 400-500 grams of soil was collected and place in well mark kraft soil bags.

All sample where brought out to Dawson and air dried repacked in rice bags and sent to Acme Labs in Vancouver. Sample where process with Aqua Regia ICP-MS for 36 elements.

The MMI Samples where collected 10-25 centimeters below the organic horizon as the SGS sampling protocol suggested. Samples were placed in plastic zip locks. All samples were sent to the SGS Labs in Toronto and process for 41 elements. Sample location in the field were marked with pink flagging in the field and location were plotted and marked with hand held GPS.

The GPS where downloaded every night and store in a personal computer.

## **7.0 INTERPRETATION**

### **Soil Survey**

The soil survey was designed to compare the results of MMI and standard ICP-MS soil samples. Because of the little amount of soil taken we cannot draw any conclusion. It does seem that the MMI data is indicating better results at the north east end of the line.

## **8.0 RECOMMENDATION**

I would recommend more soil work in a grid pattern. Lines should be 100 meter spacing and station should be on 50 meter spacing.

## **9.0 REFERENCES CITED**

YTG Geology Map, Yukon geology web site.

## **10.0 COST**

Wage 1 man days @ \$250.00 per day	\$250.00
Assay Cost ICP 5 soil @ \$18.00 per sample	\$90.00
Assay Cost MMI 5 soil @ \$46.00 per sample	\$230.00
Transportation Cost, Helicopter .4 hour	\$503.00
Total	\$1,073.00

## **11.0 QUALIFICATION**

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

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

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

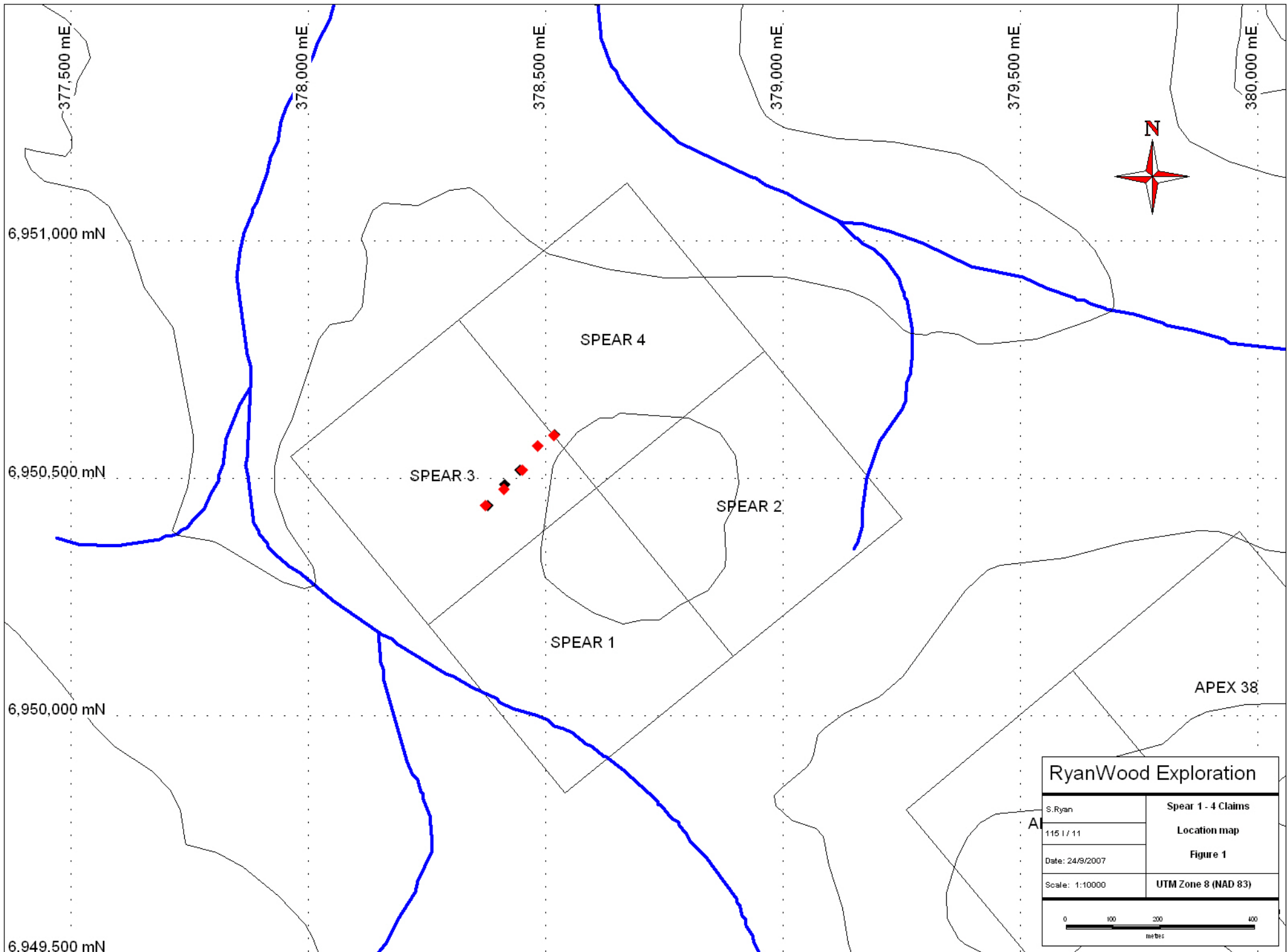
I have overseen the entire Spear Project and was party chief in charge.

I own 100% of the Spear claims.

Dated this 18 of September 2007 in Dawson City, Yukon.

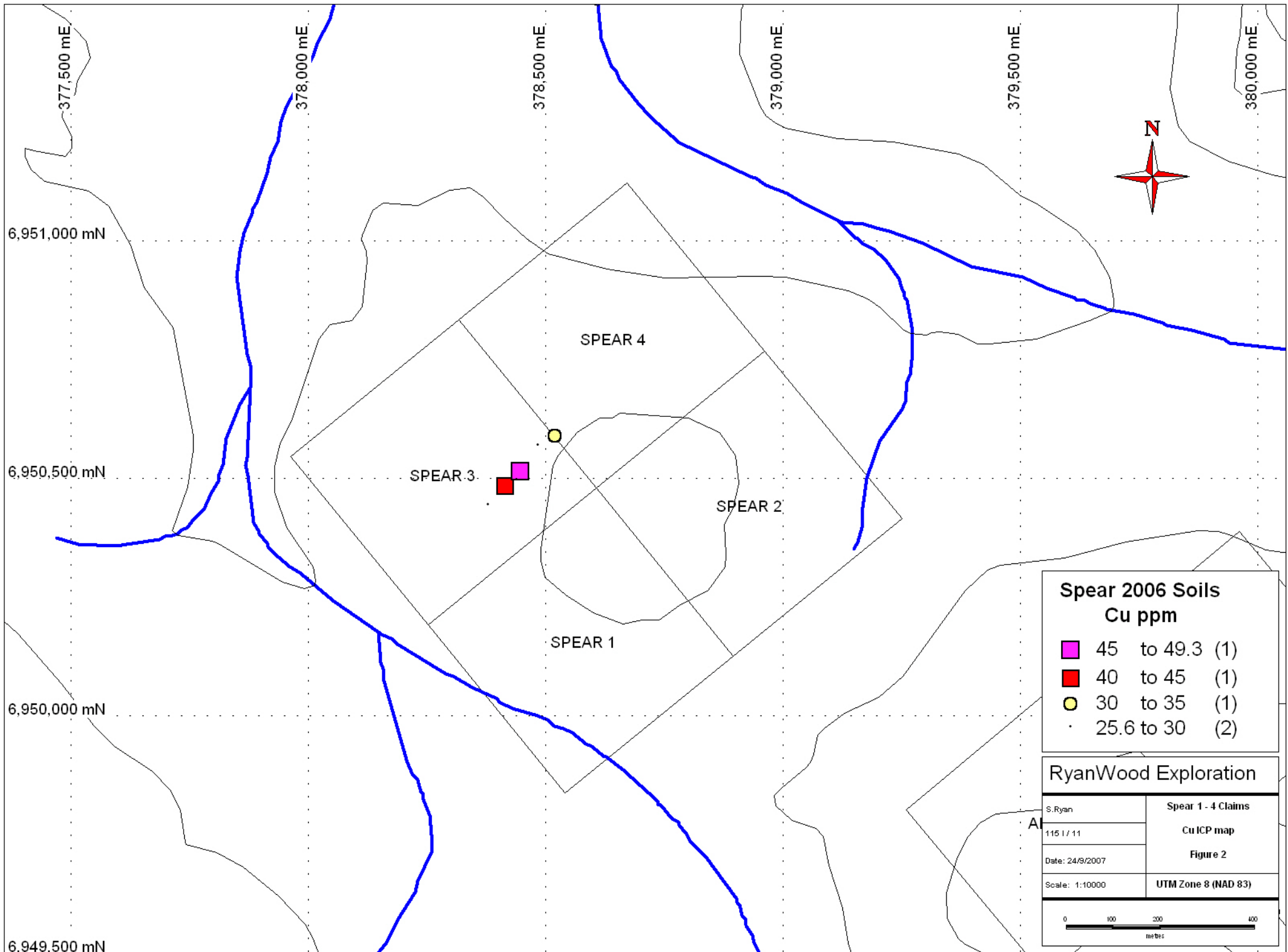
Respectfully submitted

Shawn Ryan



<b>RyanWood Exploration</b>	
S. Ryan	<b>Spears 1 - 4 Claims</b>
115 / 11	<b>Location map</b>
Date: 24/9/2007	<b>Figure 1</b>
Scale: 1:10000	<b>UTM Zone 8 (NAD 83)</b>

A



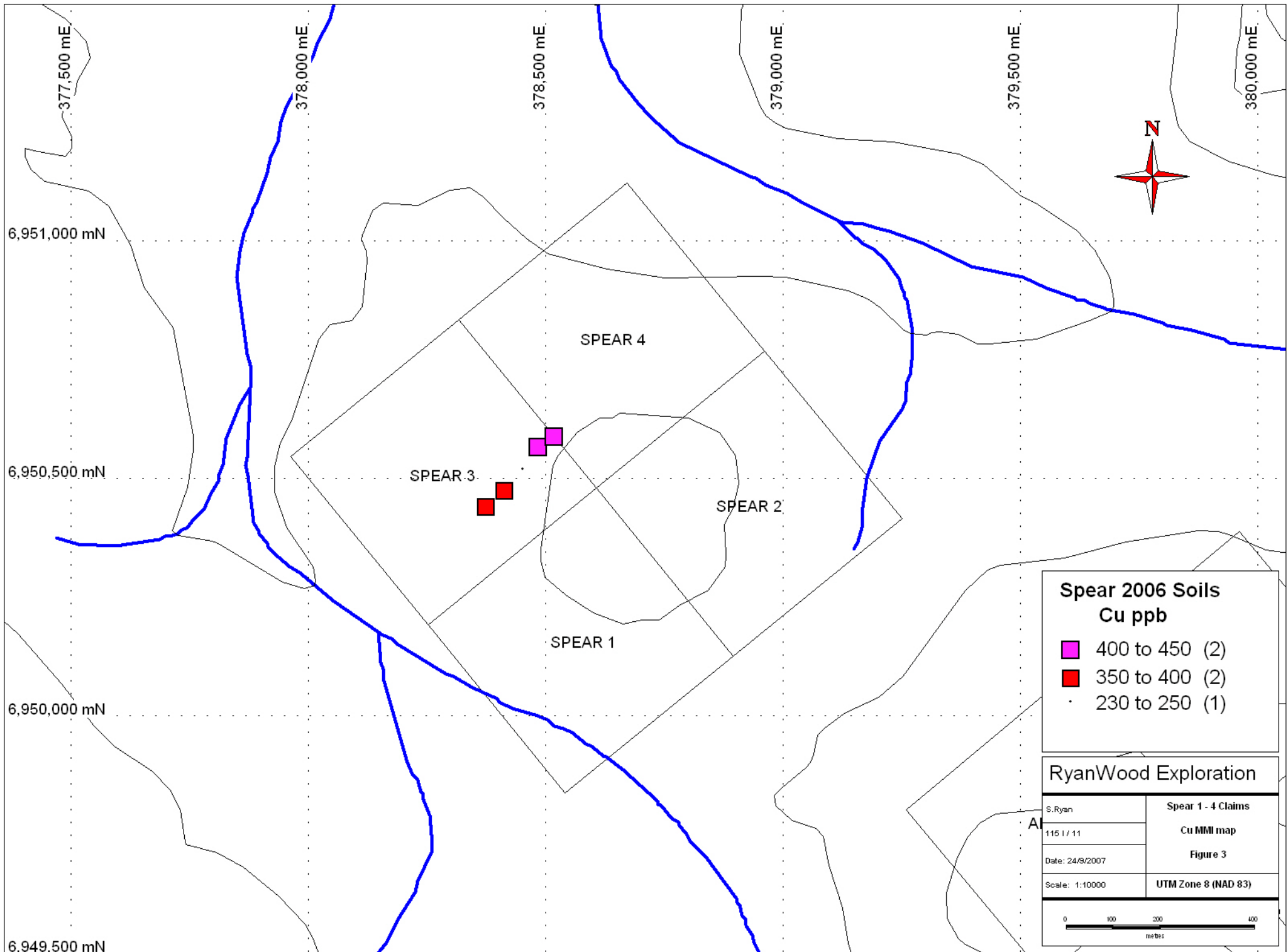
**Spear 2006 Soils**  
**Cu ppm**

- 45 to 49.3 (1)
- 40 to 45 (1)
- 30 to 35 (1)
- 25.6 to 30 (2)

**RyanWood Exploration**

S. Ryan	Spear 1 - 4 Claims
115 1 / 11	Cu ICP map
Date: 24/9/2007	Figure 2
Scale: 1:10000	UTM Zone 8 (NAD 83)

0 100 200 400  
metres



**Spear 2006 Soils**  
**Cu ppb**

- 400 to 450 (2)
- 350 to 400 (2)
- 230 to 250 (1)

**RyanWood Exploration**

S. Ryan	Spear 1 - 4 Claims
115 1 / 11	Cu MMI map
Date: 24/9/2007	Figure 3
Scale: 1:10000	UTM Zone 8 (NAD 83)

0 100 200 400  
metres

ANALYTE	GPS ID	Datum	Easting	Northing	Elevation	Ag-PPB	Al-PPM	As - ppb	Au - ppb	Ba - ppb	Bi - ppb	Ca - ppm	Cd - ppb	Ce - ppb	Co - ppb
MMISP01	MMISP01	NAD83-8V	378374	6950444	704.1	12	29	0	0.8	11000	0	660	2	513	237
MMISP02	MMISP02	NAD83-8V	378413	6950477	687.6	7	136	0	0.1	8840	0	290	2	507	100
MMISP03	MMISP03	NAD83-8V	378452	6950519	691.3	4	124	0	0.2	8720	0	410	2	606	80
MMISP04	MMISP04	NAD83-8V	378485	6950569	694.3	8	76	0	0.8	8870	0	530	2	958	30
MMISP05	MMISP05	NAD83-8V	378519	6950591	689.2	9	78	0	0.7	8520	0	510	1	1140	36

ANALYTE	Cr - ppb	Cu - ppb	Dy - ppb	Er - ppb	Eu - ppb	Fe - ppm	Gd - ppb	La - ppb	Li - ppb	Mg - ppm	Mo - ppb	Nb - ppb	Nd - ppb	Ni - ppb	Pb - ppb
MMISP01	0	380	140	89.1	24.4	4	140	174	0	252	0	0.8	262	1030	140
MMISP02	0	380	95	49.2	16.9	37	88	282	0	145	0	0	240	437	300
MMISP03	0	230	98	45.4	20.3	20	108	372	0	125	0	0	376	290	180
MMISP04	0	410	287	191	56.9	10	297	328	0	182	0	0	650	1450	150
MMISP05	0	450	286	188	57.6	10	306	324	0	178	0	0	667	1360	140

ANALYTE	Pd - ppb	Pr - ppb	Rb - ppb	Sb - ppb	Sc - ppb	Sm - ppb	Sn - ppb	Sr - ppb	Ta - ppb	Tb - ppb	Te - ppb	Th - ppb	Ti - ppb	Tl - ppb	U - ppb
MMISP01	0	49	13	0	35	77	0	5110	1	21	0	8.3	5	0	20
MMISP02	0	56	53	0	167	57	0	2610	0	15	0	33.7	48	0	14
MMISP03	0	86	38	0	81	76	0	3520	0	17	0	26	17	0	10
MMISP04	0	119	29	0	122	194	0	4010	0	45	0	11.4	6	0	24
MMISP05	0	124	27	0	113	202	0	3890	0	45	0	12.4	5	0	25

ANALYTE	W - ppb	Y - ppb	Yb - ppb	Zn - ppb	Zr - ppb	METHOD	File
MMISP01	3	818	62	60	12	MMI-M5	93289
MMISP02	0	678	31	120	46	MMI-M5	93289
MMISP03	0	607	26	60	44	MMI-M5	93289
MMISP04	2	1930	154	540	33	MMI-M5	93289
MMISP05	1	1870	149	130	35	MMI-M5	93289

SAMPLES	GPS ID	Datum	Easting	Northing	Elevation	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
SP03698	SP03698	NAD83-8V	378380	6950444	697.7	0.6	25.6	6	41	0	36.1	11	287	2.72	8	0.7	1.9	4
SP03699	SP03699	NAD83-8V	378415	6950487	697.4	0.7	41.9	5.7	43	0	30.4	11.5	364	2.78	7.3	0.7	4.2	3.7
SP03700	SP03700	NAD83-8V	378447	6950519	691.9	0.7	49.3	7.4	56	0	35.3	15.4	708	3.35	8.2	1	3.6	4.5
SP03701	SP03701	NAD83-8V	378484	6950569	693.7	0.7	28.7	6.1	46	0	28.5	11.4	391	2.71	5.9	0.5	3.9	3.5
SP03702	SP03702	NAD83-8V	378520	6950593	691	0.8	30.8	8	51	0	28.3	10.9	344	2.71	6.8	0.6	2.7	4.6

SAMPLES	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl
SP03698	32	0	0.5	0.1	78	0.33	0.024	14	49	0.69	215	0.093	1	1.85	0.012	0.05	0.1	0.02	6.2	0.1
SP03699	24	0.1	0.7	0.1	73	0.27	0.036	16	43	0.51	158	0.068	1	1.61	0.011	0.05	0.1	0.04	7.2	0.1
SP03700	36	0.1	0.9	0.1	92	0.47	0.063	20	45	0.63	244	0.087	2	1.97	0.012	0.06	0.1	0.02	8.2	0.1
SP03701	36	0.1	0.6	0.1	68	0.48	0.05	12	39	0.66	226	0.09	1	1.63	0.02	0.06	0.1	0.03	5.3	0.1
SP03702	44	0.1	0.6	0.2	59	0.6	0.063	14	42	0.52	252	0.087	1	1.79	0.021	0.06	0.1	0.03	5.4	0.1

SAMPLES	S	Ga	Se	Analysis:cme file #
SP03698	0	5	0	³ 1DX - 1A608144
SP03699	0	4	0	³ 1DX - 1A608144
SP03700	0	6	0	³ 1DX - 1A608144
SP03701	0	5	0.5	³ 1DX - 1A608144
SP03702	0	5	0	³ 1DX - 1A608144