

**SOIL GEOCHEMICAL SURVEY  
ON THE MEX PROPERTY,  
JAKES CORNER AREA, YUKON TERRITORY**

**094232**

**Whitehorse Mining Division**

**NTS Map 105 D/08**

**60° 22'N, 134° 04'W**

CLAIMS

Mex 1 to 4                      YB46669 - YB46672

Mex 5 to 7                      YB46677 - YB46679

Scott Casselman  
**AURORA GEOSCIENCES LTD.**

October 23, 2001



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 \$ 2800.00.

*for* M.B.L.  
Regional Manager, Exploration and  
Geological Services for Commissioner  
of Yukon Territory.

## SUMMARY

A soil geochemical sampling survey was conducted on the Mex Property from July 21 to 24 and August 11, 2001. The property is located 65 km southeast of Whitehorse, west of the Alaska Highway, near Jakes Corner on NTS sheet 105 D/08. A total of 96 samples were collected from two grids covering previously identified magnetic anomalies.

The soil sampling program defined a coincident weakly anomalous gold, copper and nickel trend on the southwest grid. This anomalous trend is also coincident with a north trending magnetic anomaly and VLF-EM conductor. This mineral association is typical of ultramafic-associated nickel-copper sulphide mineralization. However, the geophysical response appears to be caused by a structure at depth. On the northeast grid are scattered weak geochemical anomalies that exhibit no pattern.

Recommendations for follow-up work on the property are to do determine the cause of the coincident soil geochemical, magnetic and VLF-EM anomaly on the southwest grid. To this end, follow-up prospecting and hand trenching or pitting is proposed. If successful, the soil grid should be expanded to the south and north to trace the extension of the anomalous trend.

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## 1.0 INTRODUCTION

From July 21 to 24 and on August 11, 2001, Marvin Sherman of Wilson Creek Placers conducted a soil geochemical sampling survey on the Mex Property. The survey consisted of collecting 96 soil samples on previously established flagged and hip chained lines. The survey was divided into two grids to cover previously identified magnetic anomalies.

Aurora Geosciences Ltd. was retained by Wilson Creek Placers to prepare this report documenting the soil sampling survey, data, results and an interpretation.

## 2.0 LOCATION AND ACCESS

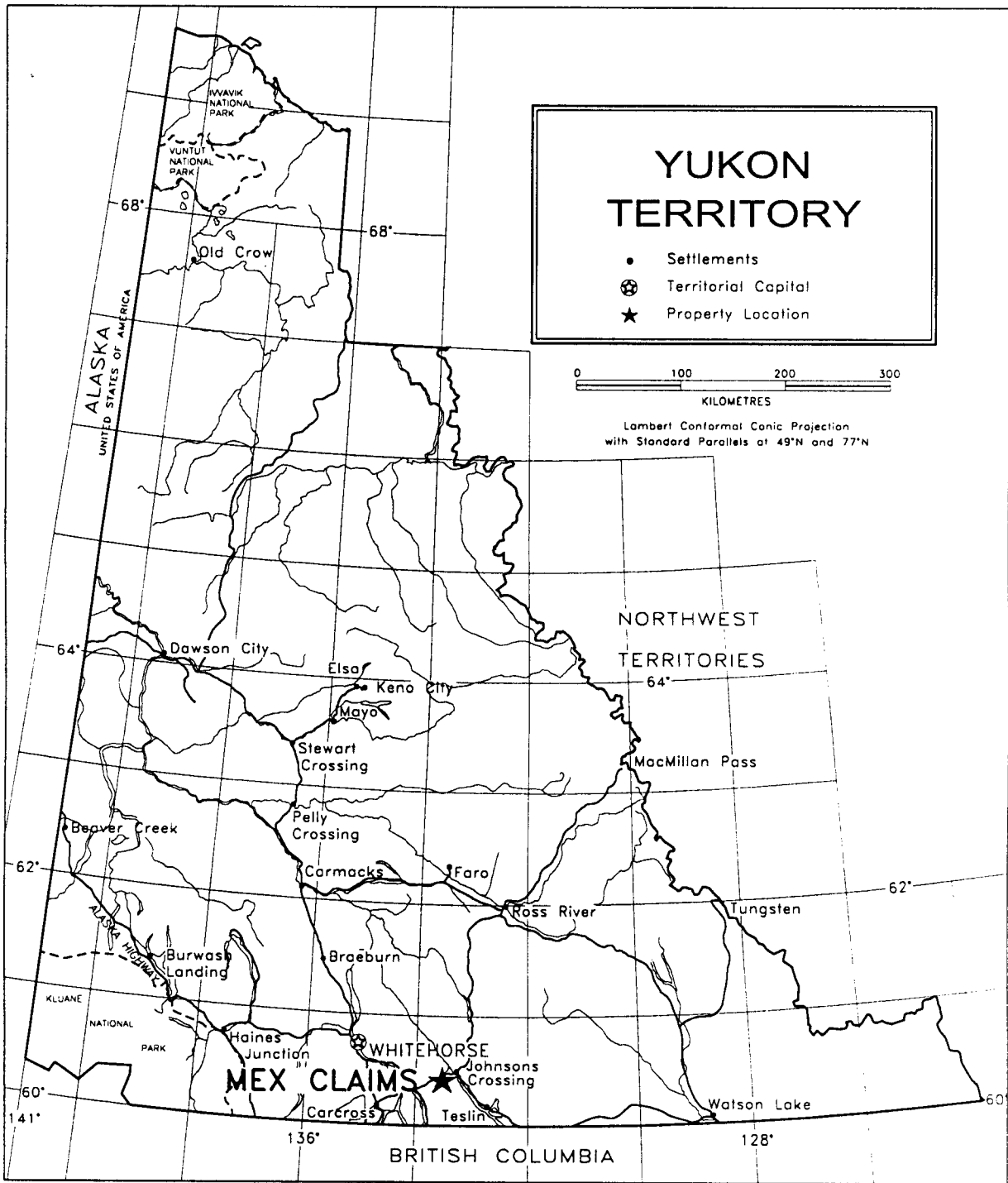
The Mex Property is located 65 km southeast of Whitehorse on the Alaska Highway near Jakes Corner in the southern Yukon (Figure 1). It is centered at 60° 22'N, 134° 04'W, on NTS map sheet 105 D/08. It is accessible by trail on the west side of the Alaska Highway. For the 2001 program access was provided by 8-wheel drive Argo.

## 3.0 HISTORY

Mineral exploration in the Jakes Corner area dates back to the 1890's, when quartz-carbonate alteration of ultramafic rocks was examined by prospectors during the Klondike Gold Rush. The ultramafic rocks were examined in the 1960's and 1970's for potential asbestos mineralization and in 1967, International Mine Services conducted an airborne magnetic survey covering a large area east of Marsh Lake.

Numerous properties were staked and explored for both placer and lode gold in the area through the 1990's. In 1994, the Yukon Prospectors Association contracted an airborne magnetic and electromagnetic survey to be flown over much of NTS sheets 105C/05, 12, 105D/08 and 09 (Smith, 1994). In 1995, Indian and Northern Affairs Canada mapped the area covered by the 1994 geophysical survey at 1:50,000 scale (Hunt, et al, 1995).

The Mex claims were staked in 1994. In 1995, 1996 and 2000 geophysical surveys consisting of ground magnetic and VLF-EM were conducted on the property.



<b>MARVIN SHERMAN</b>	<b>MEX CLAIMS</b>	
<b>PROPERTY LOCATION</b>	<b>MINING DISTRICT: WHITEHORSE</b>	
	<b>NTS: 105 D/8</b>	<b>Datum: LCC</b>
	<b>Job: MEX-74-YT</b>	<b>SCALE 1: 6,000,000</b>
<i>Aurora Geosciences Ltd.</i>	<b>DATE: 19 Oct 01</b>	<b>FIGURE: 1</b>

#### 4.0 PROPERTY STATUS

The Mex Property consists of the Mex 1 to 7 mineral claims in the Whitehorse Mining Division. The claims are owned 100% by ~~Wilson Creek Placers~~. Claim information is summarized below:

MARVIN SHERMAN

<u>Claim</u>	<u>Grant No.</u>	<u>Expiry date</u>
MEX 1	YB46669	April 5, 2003
MEX 2	YB46670	April 5, 2003
MEX 3	YB46671	April 5, 2003
MEX 4	YB46672	April 5, 2003
MEX 5	YB46677	April 18, 2003
MEX 6	YB46678	April 18, 2003
MEX 7	YB46679	April 18, 2003

Claims and the survey area are shown in Figure 2.

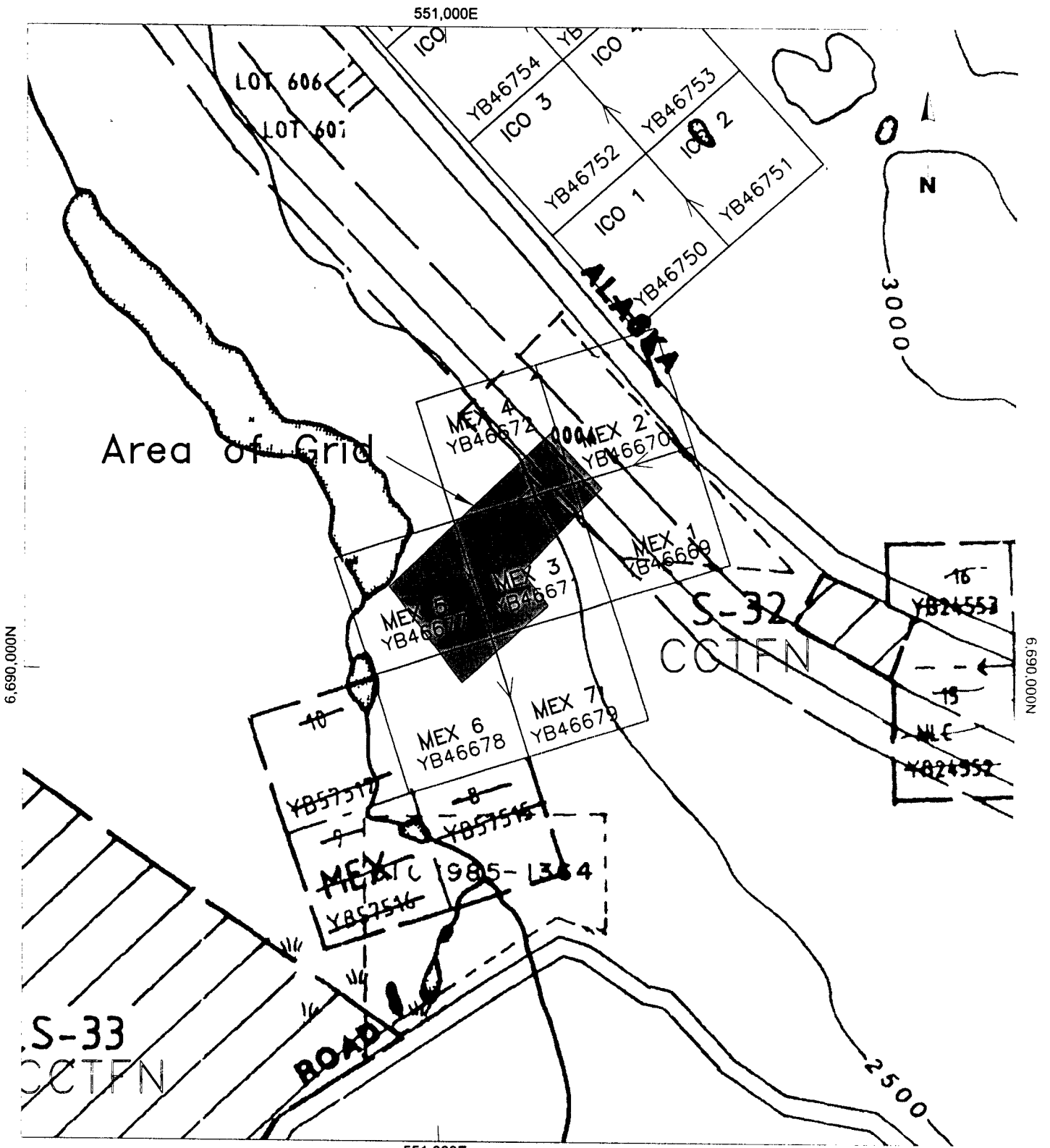
#### 5.0 GEOLOGY AND MINERAL POTENTIAL

The Jakes Corner area was mapped by the Yukon Geology Program in 1995 as a follow-up to the 1994 airborne geophysical survey (Open File 1995-7(G)). The area is underlain by volcanic rocks of the Cache Creek Group. The volcanic rocks are andesite, basalt and minor dacite. They are typically massive greenstone, commonly spherulitic, and pillowed, grey to orange-grey weathering, greyish-green to dark grey and aphyric.

East of the Alaska Highway are a number of peridotite, serpentinized peridotite and associated ultramafic ophiolite complexes. Locally, the volcanic rocks are interbedded with thin chert beds. The rocks are cut by lamprophyre and felsic dykes.

Open File 1995-7(G) describes the area as having potential for:

- 1) ultramafic-associated nickel-copper sulphide deposits
- 2) chromite deposits
- 3) volcanogenic massive sulphide deposits
- 4) gold in listwaenite-hosted quartz veins
- 5) structurally controlled epithermal vein deposits
- 6) asbestos deposits, and
- 7) skarn/replacement deposits in limestone



LEGEND



551,000E

MARVIN SHERMAN		MEX CLAIMS	
CLAIM & GRID LOCATION MAP		MINING DISTRICT: WHITEHORSE	
		NTS: 105 D/8	Datum: NAD 83
Aurora Geosciences Ltd.		Job: MEX-74-YT	SCALE 1: 20,000
		DATE: 19 Oct 01	FIGURE: 2

## 6.0 FIELD and ANALYTICAL PROCEDURES

Soil samples were collected at 25 m samples intervals on 50 m spaced lines on a grid established in 2000. The majority of the grid was intact with the occasional station requiring re-surveying by hip chain and marked with flagging.

The soil sampling program consisted of collecting 2 to 3 kg of "B-horizon" material from pits at a depth of 15 to 30 cm and placing in a kraft wet-strength sample bag. The samples were air dried and shipped to Assayers Canada, 8282 Sherbrooke Street, Vancouver for processing. The processing consisted of drying the sample and sieving to -80 mesh. A 0.5 gm split was then analyzed for 30 elements by aqua regia leach (concentrated hydrochloric and nitric acids) and ICP-AES analysis. As well, a 15 gm split was analyzed for gold by fire assay with atomic absorption finish.

## 7.0 RESULTS

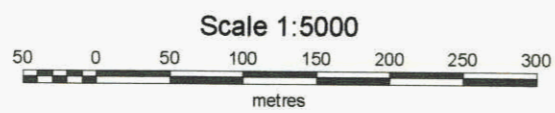
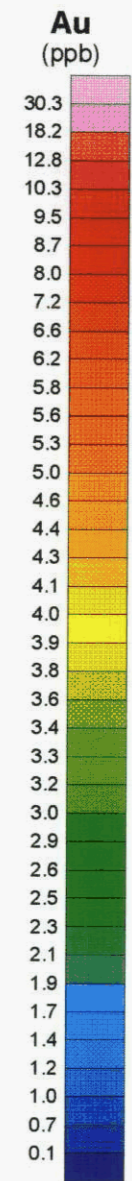
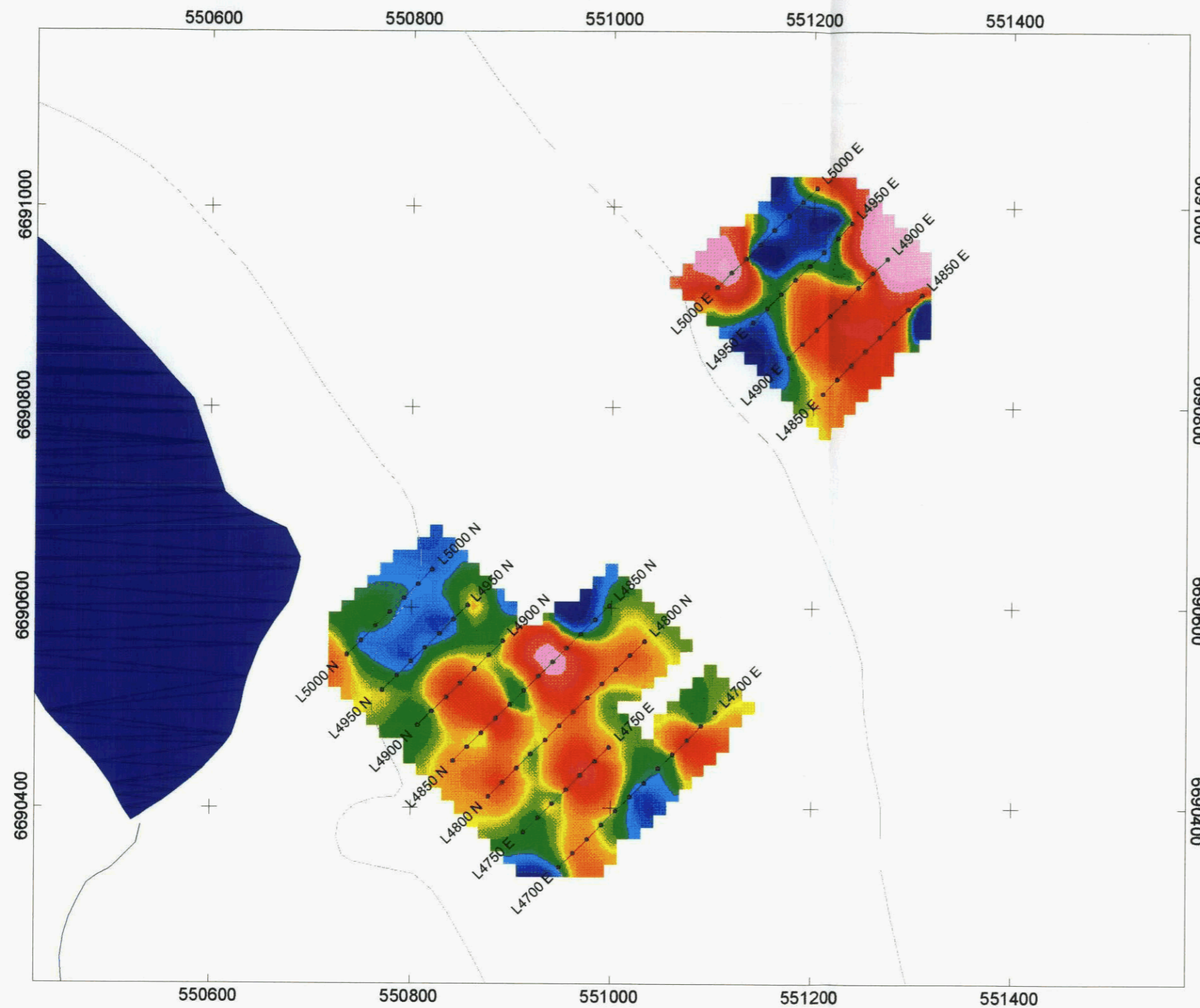
Geochemical Analytical Certificates are included in Appendix III and plots for gold, copper, zinc and nickel are include in Figures 3 through 6, respectively. A sample location map is included in Figure 7.

The soil geochemical survey returned a few scattered mildly anomalous results. The gold plot in Figure 3 shows two scattered anomalous samples on the northeast grid. The southwest grid has a weakly anomalous north trend through the center of the grid. Background values are generally in the range of 2 to 12 ppb and anomalous values are 42 to 67 ppb.

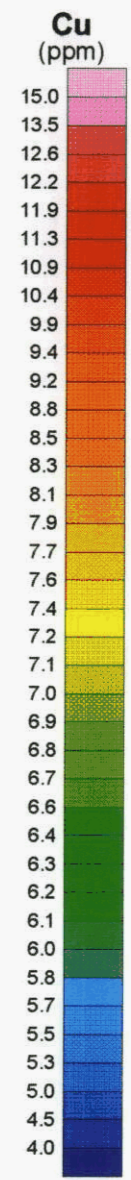
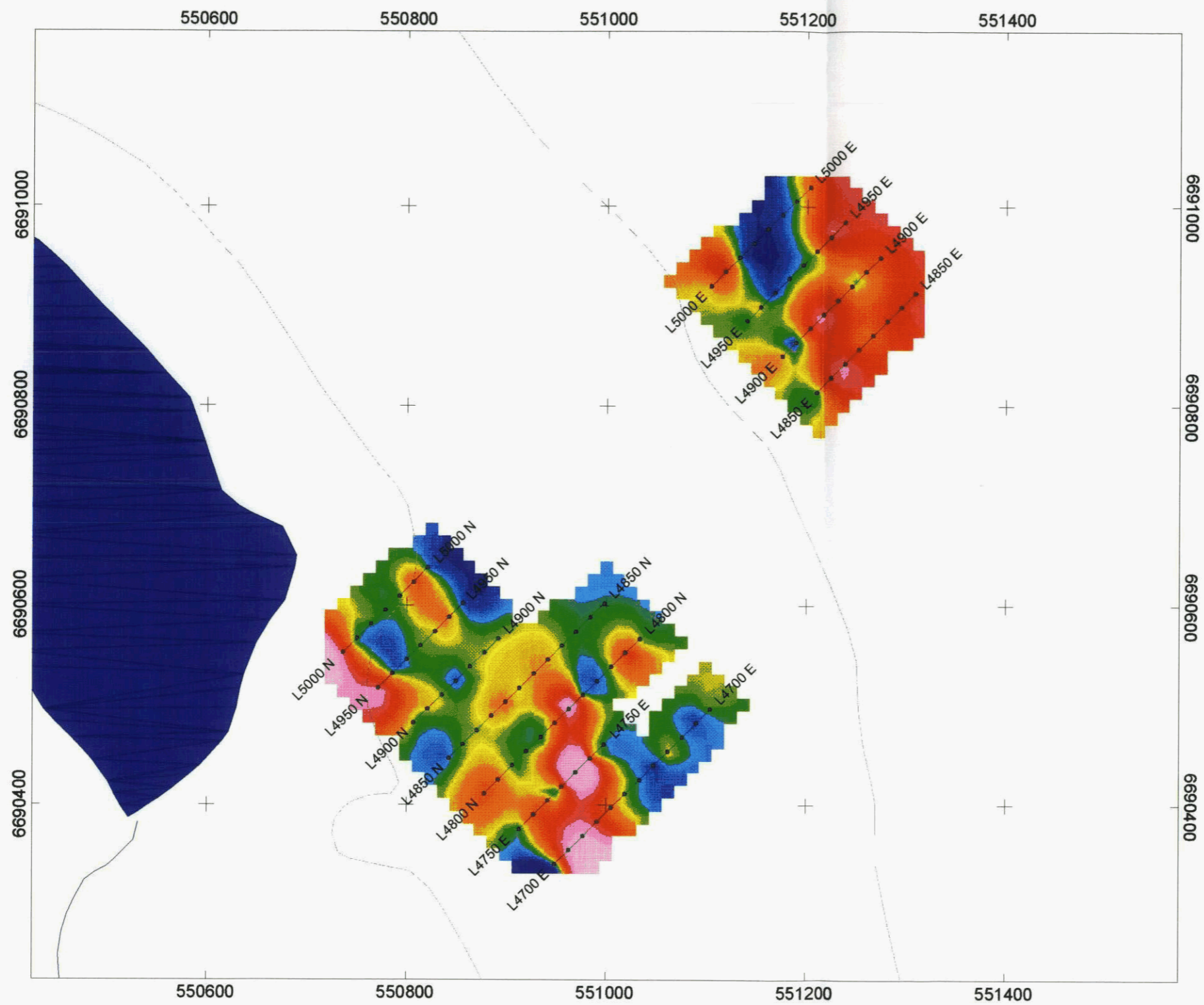
The copper plot (Figure 4) shows a similar north trending anomaly on the southwest grid with values up to 30 ppm. Some weakly anomalous isolated samples occur on the northeast grid. A similar anomalous pattern is exhibited by the nickel geochemistry in Figure 6. This plot shows a weak north trending anomaly on the southwest grid while the northeast grid is anomalous to the east and south.

The zinc plot (Figure 5) exhibits a different pattern on the southwest grid. There, a weak northwest trending anomaly cuts across the grid. On the northeast grid, there are anomalous values to the south and northwest.

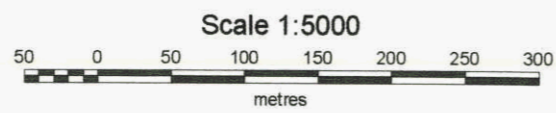
The north-south linear anomaly for gold, copper and nickel on the southwest grid coincides well with the ground magnetic anomaly and VLF-EM conductor from the ground geophysical surveys previously performed on the property. It is also nearly coincident with a conductor from the 1994 airborne EM survey. The anomalous values on the northeast grid are generally scattered and do not exhibit any significant pattern.



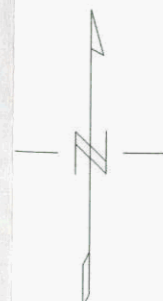
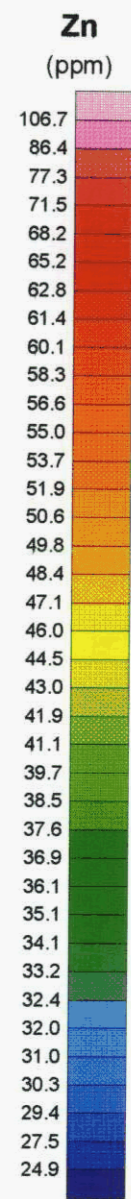
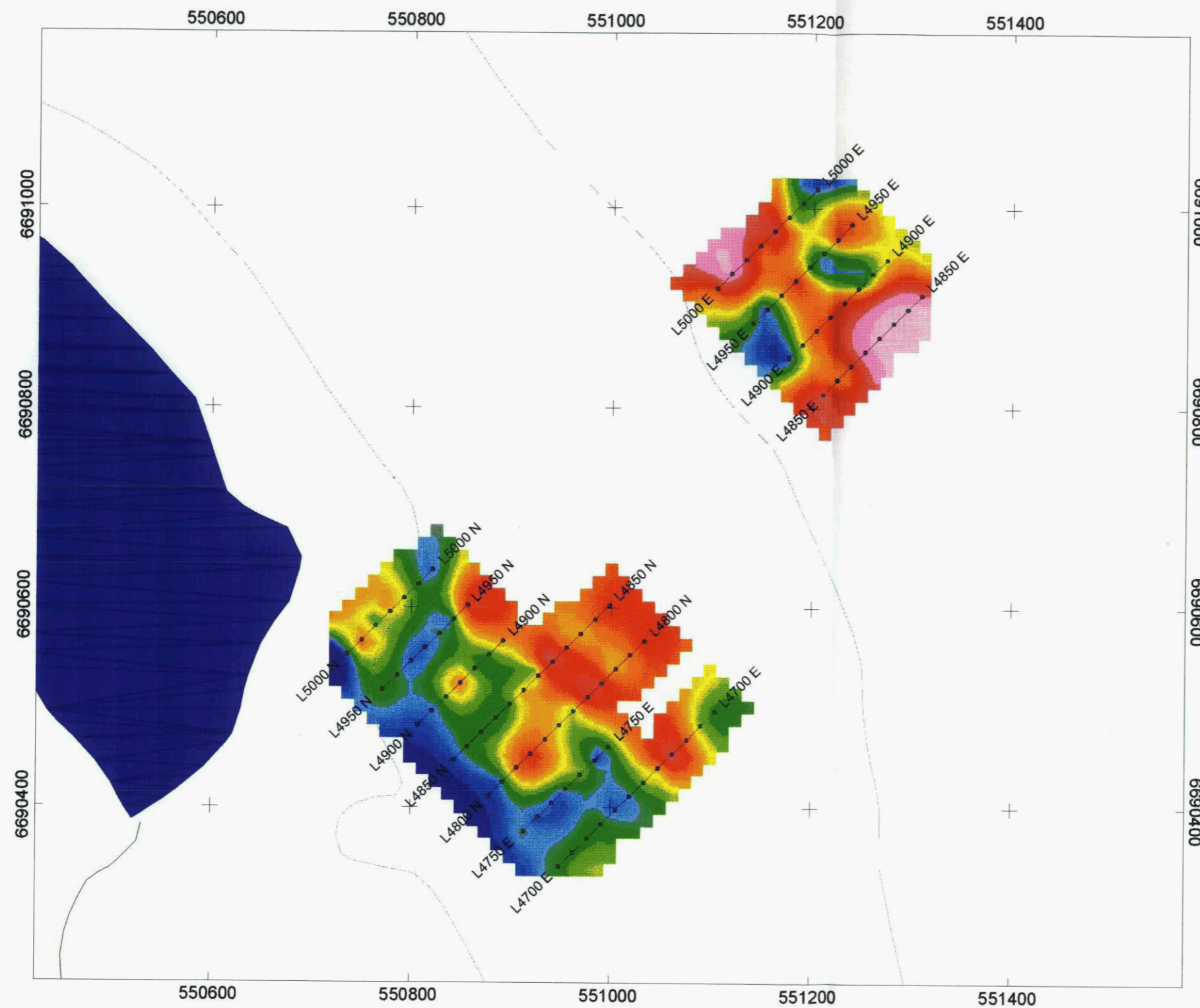
<b>MARVIN SHERMAN</b>	
<b>Soil Geochemical Survey Gold (ppb) Figure 3.</b>	
NTS: 105 D/8	Datum: NAD27
Mining District: Whitehorse	Date: 22 Oct 01
<b>AURORA GEOSCIENCES LTD.</b>	



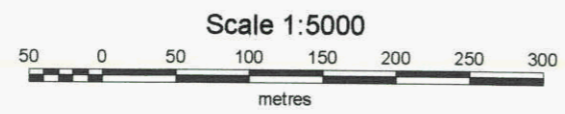
Marvin Sherman



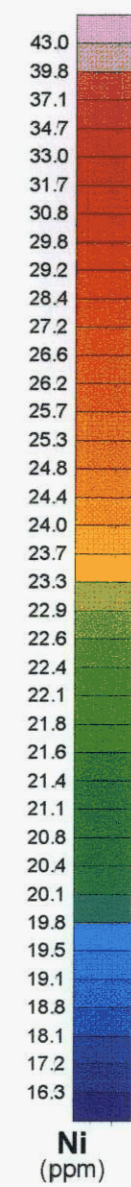
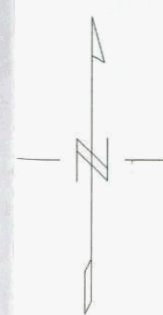
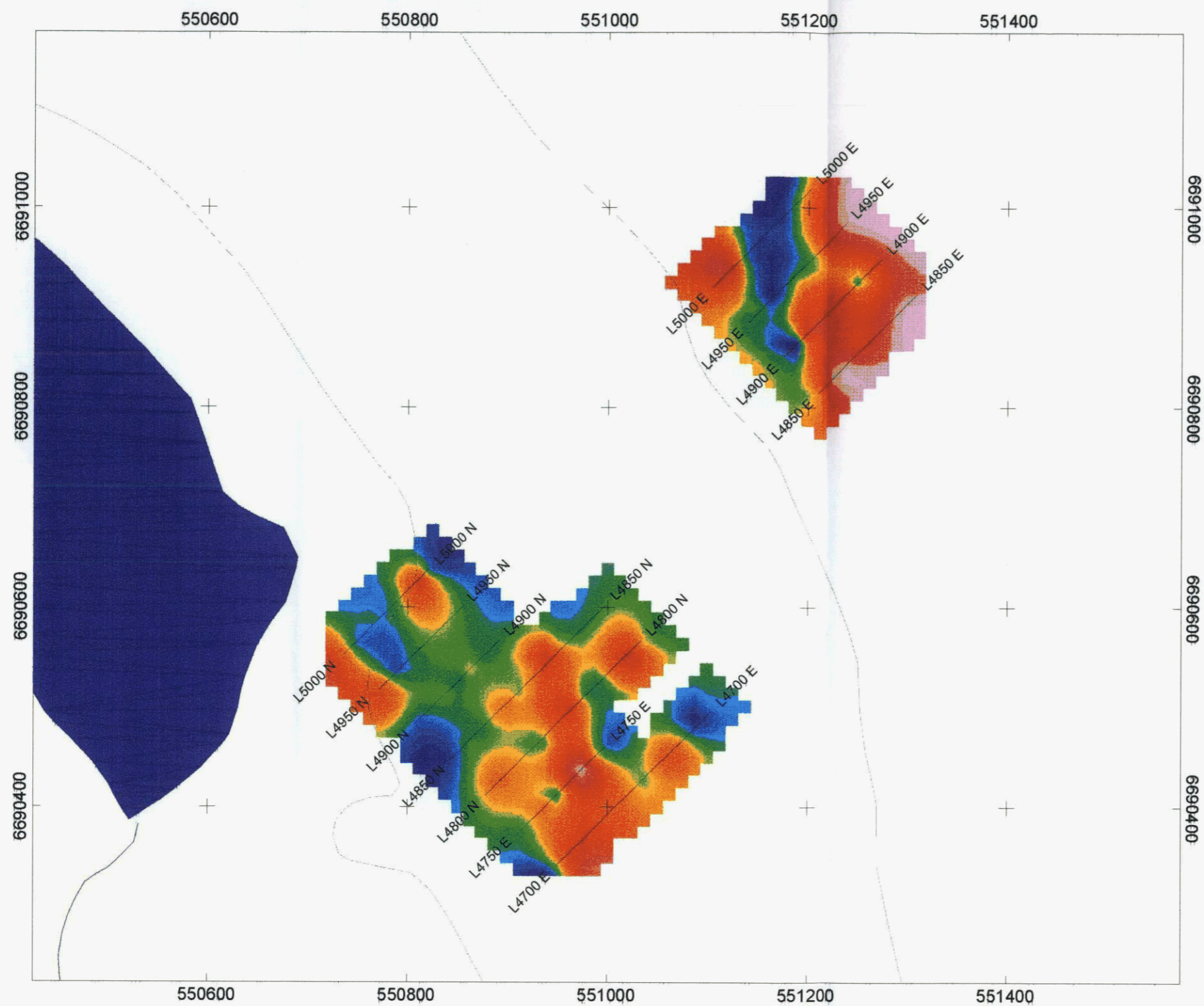
<b>MARVIN SHERMAN</b>	
<b>Soil Geochemical Survey Copper (ppm) Figure 4.</b>	
NTS: 105 D/8 Mining District: Whitehorse	Datum: NAD27 Date: 22 Oct 01
<b>AURORA GEOSCIENCES LTD.</b>	



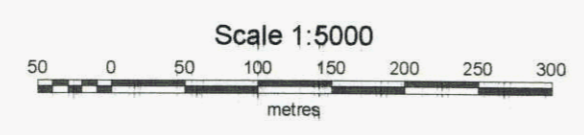
PROFESSIONAL  
 PROVINCE OF  
 S. G. CASSELMAN  
 COLUMBIA  
 GEOSCIENTIST



<b>MARVIN SHERMAN</b>	
<b>Soil Geochemical Survey Zinc (ppm) Figure 5.</b>	
NTS: 105 D/8 Mining District: Whitehorse	Datum: NAD27 Date: 22 Oct 01
<b>AURORA GEOSCIENCES LTD.</b>	



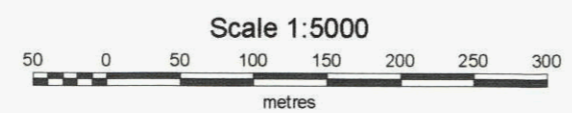
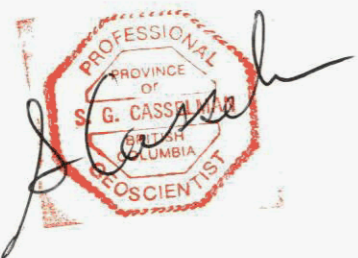
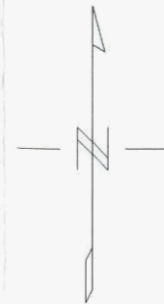
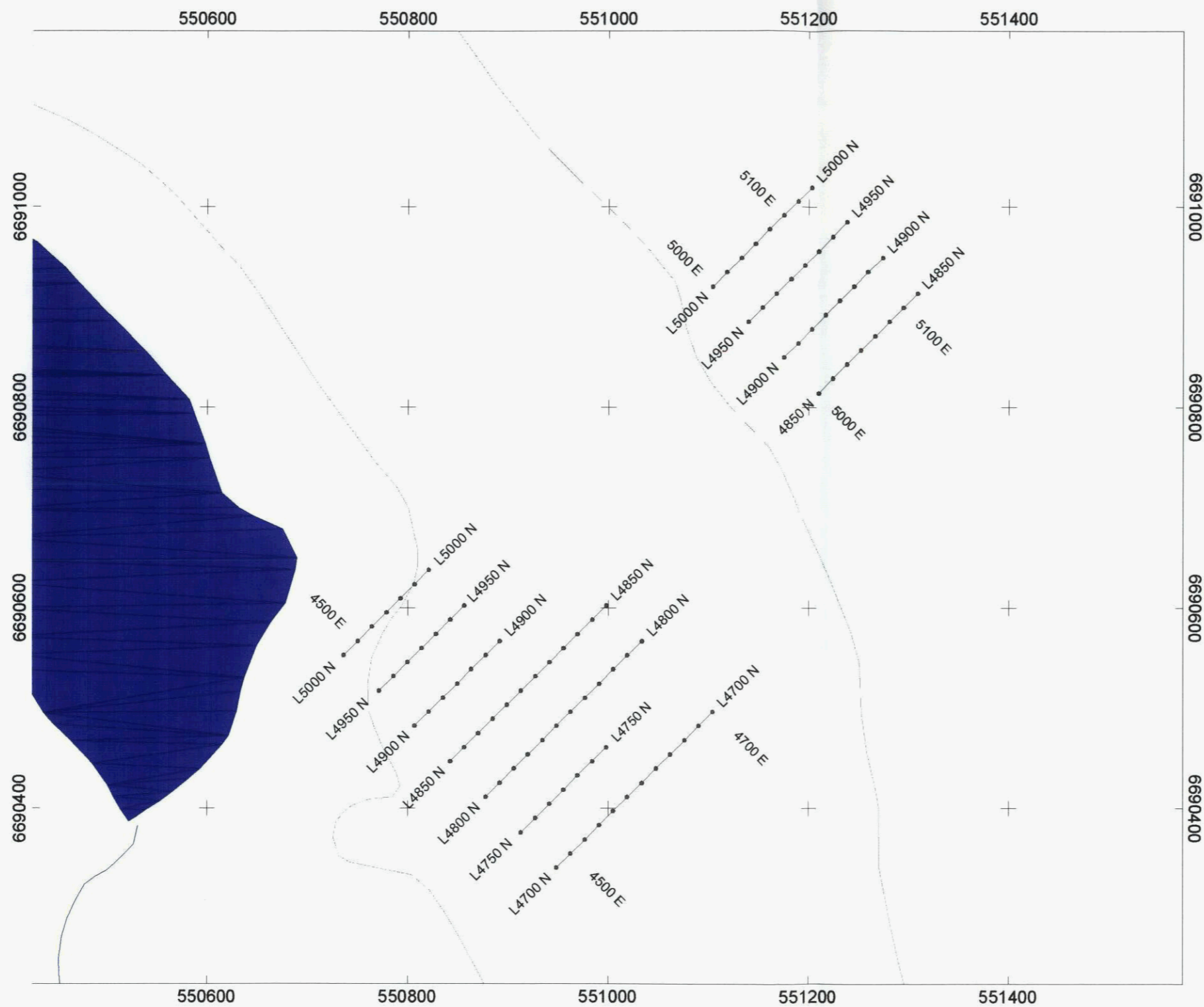
*S. Cassin*  
 PROFESSIONAL  
 GEOLOGIST  
 PROVINCE OF  
 COLUMBIA  
 REG. NO. 1234



**MARVIN SHERMAN**  
**Soil Geochemical Survey**  
**Nickel (ppm)**  
**Figure 6.**

NTS: 105 D/8                      Datum: NAD27  
 Mining District: Whitehorse      Date: 22 Oct 01

**AURORA GEOSCIENCES LTD.**



<b>MARVIN SHERMAN</b>	
<b>Soil Geochemical Survey SAMPLE LOCATION MAP Figure 7.</b>	
NTS: 105 D/8 Mining District: Whitehorse	Datum: NAD27 Date: 22 Oct 01
<b>AURORA GEOSCIENCES LTD.</b>	

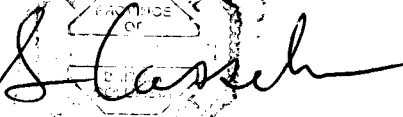
## 8.0 CONCLUSIONS AND RECOMMENDATIONS

The soil sampling program on the Mex Property defined a weakly anomalous gold, copper and nickel trend on the southwest grid. This anomalous trend is coincident with a north trending magnetic anomaly and VLF-EM anomaly from previous ground surveys. This mineral association is typical of ultramafic-associated nickel-copper sulphide mineralization. The geophysical response appears to be caused by a structure at depth.

Recommendations for follow-up work on the property are to do determine the cause of the coincident soil geochemical, magnetic and VLF-EM anomaly on the southwest grid. To this end follow-up prospecting and hand trenching or pitting may help to determine the cause of the anomaly.

The weak geochemical anomalies on the northeast grid are scattered and exhibit no pattern. Expanding the soil survey in this area may help to define a pattern. Test pitting at the anomalous sites may help to determine the cause of the anomalous values.

Respectfully submitted,  
**AURORA GEOSCIENCES LTD.**



Scott Casselman, B.Sc. P.Geo.  
Geologist

## 9.0 REFERENCES

- Hunt, J. A., Hart, C. J. R., Gordey, S. P., 1995. Geology of the Jakes Corner Geophysical Survey Area, Southern Yukon, Indian and Northern Canada, Affairs Open File 1995-7(G).
- Lee, G. C., 2000. Geophysical Survey on the MEX and ICO Quartz Claims, Wilson Creek Placers Assessment Report.
- Power, M.A., 1995. Notes to Prospectors - Jakes Corner Dighem Survey Interpretation, Indian and Northern Affairs Canada, Open File 1995-12(G).
- Smith, P. A., 1994. Dighem V Survey for the Yukon Prospectors Association, Jakes Corner Project, Yukon Territory (105C/5, 12, 105D/8, 9). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1994-10(G).

**APPENDIX I. STATEMENT OF EXPENDITURES**

Wages - Marvin Sherman - 4 days @ \$250	1,000.00
Vehicle Rental (Argo, incl fuel) - 4 days @ \$100	400.00
Analytical - 96 samples @ \$18.30	1,799.33
Supplies	82.93
Photocopying	4.02
Shipping	61.79
Report Preparation	321.00
<b>Total project expenses</b>	<b>\$3,669.07</b>

I certify that these expenses are correct to the best of my knowledge.



Scott G. Casselman, B.Sc., P.Geol.  
Geologist

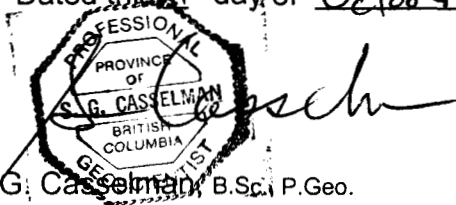
## APPENDIX II. STATEMENT OF QUALIFICATIONS

I, Scott Casselman, residing at 33 Firth Road, Whitehorse, Yukon Territory, Y1A 4R5, certify that:

- 1) I graduated from Carleton University, Ottawa, Ontario, with a Bachelor of Science Degree in Geology in 1985.
- 2) I have practised the profession of geology since graduation and that I am a currently employed by Aurora Geosciences Ltd.
- 3) I am a member of the Association of Professional Engineers and Geoscientists of British Columbia, Registration No. 20032.
- 4) I am the author of this report based on information supplied by Marvin Sherman of Wilson Creek Placers
- 5) I have not visited the Mex Property and have not been involved in the collection, shipping or processing of the soil samples.

Dated this 24<sup>th</sup> day of October, 2001, at Whitehorse, Yukon Territory.

Scott, G. Casselman, B.Sc., P. Geo.  
Geologist



APPENDIX III. GEOCHEMICAL ANALYTICAL CERTIFICATES

# Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0346 SJ

Date : Aug-24-01

**Marvin Sherman**

Attention: Marvin Sherman

Project:

Sample: SOIL

## MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
4800N 4560E	<0.2	0.76	<5	340	<0.5	<5	0.30	<1	5	33	5	1.63	0.09	0.27	190	<2	0.02	20	490	2	<5	2	<10	13	0.06	36	<10	3	50	4
4800N 4540E	<0.2	0.91	<5	340	<0.5	<5	0.29	<1	6	38	7	1.80	0.12	0.31	175	<2	0.02	23	810	2	<5	2	<10	13	0.08	37	<10	3	67	5
4800N 4520E	<0.2	1.01	<5	360	<0.5	<5	0.30	<1	6	42	6	1.89	0.12	0.32	155	<2	0.02	25	570	2	<5	2	<10	14	0.08	41	<10	3	59	5
4800N 4500E	<0.2	0.95	5	180	<0.5	<5	0.35	<1	6	47	9	1.90	0.09	0.50	215	<2	0.02	27	570	2	<5	2	<10	19	0.07	42	<10	3	31	3
4800N 4480E	<0.2	0.79	5	200	<0.5	<5	0.29	<1	6	42	10	1.73	0.08	0.33	185	<2	0.02	24	510	2	<5	2	<10	15	0.07	39	<10	4	27	3
4750N 4600E	<0.2	0.99	<5	310	<0.5	<5	0.29	<1	5	39	6	1.75	0.06	0.29	115	<2	0.01	19	290	2	<5	2	<10	15	0.07	42	<10	2	36	5
4750N 4580E	<0.2	0.82	5	200	<0.5	<5	0.31	<1	6	50	8	2.04	0.08	0.39	180	<2	0.02	26	460	2	<5	2	<10	15	0.07	47	<10	3	26	5
4750N 4560E	<0.2	1.15	5	270	<0.5	<5	0.58	<1	8	73	30	2.55	0.12	0.73	280	<2	0.03	50	600	4	<5	4	<10	34	0.11	53	<10	10	47	7
4750N 4540E	<0.2	0.76	<5	230	<0.5	<5	0.27	<1	5	36	4	1.62	0.12	0.30	175	<2	0.01	18	400	2	<5	2	<10	16	0.07	36	<10	3	28	4
4750N 4520E	<0.2	0.81	5	220	<0.5	<5	0.35	<1	6	49	10	2.00	0.11	0.35	195	<2	0.02	27	670	2	<5	3	<10	17	0.07	46	<10	5	31	6
4750N 4500E	<0.2	0.91	<5	180	<0.5	<5	0.28	<1	6	43	10	1.85	0.14	0.37	175	<2	0.02	24	220	2	<5	2	<10	17	0.09	42	<10	3	28	5
4750N 4480E	<0.2	0.90	<5	270	<0.5	<5	0.38	<1	5	40	6	1.81	0.14	0.31	145	<2	0.02	21	780	2	<5	2	<10	21	0.08	37	<10	3	34	5
4700N 4600E	<0.2	1.00	<5	270	<0.5	<5	0.32	<1	6	42	6	1.88	0.09	0.30	190	<2	0.02	22	380	2	<5	2	<10	18	0.08	43	<10	3	43	5
4700N 4580E	<0.2	0.95	<5	240	<0.5	<5	0.36	<1	6	43	7	1.93	0.09	0.38	195	<2	0.02	26	770	2	<5	2	<10	23	0.06	43	<10	3	31	3
4700N 4560E	<0.2	0.84	5	220	<0.5	<5	0.35	<1	7	57	8	2.48	0.10	0.42	240	<2	0.02	27	570	2	<5	2	<10	17	0.08	62	<10	4	29	6
4700N 4540E	<0.2	1.03	5	220	<0.5	<5	0.31	<1	8	53	12	2.44	0.14	0.48	255	<2	0.02	29	410	2	<5	3	<10	18	0.10	56	<10	4	37	5
4700N 4520E	<0.2	1.03	5	220	<0.5	<5	0.50	<1	7	49	16	1.98	0.06	0.60	210	<2	0.02	32	890	4	<5	3	<10	27	0.09	45	<10	6	36	2
4700N 4500E	<0.2	0.87	5	200	<0.5	<5	0.42	<1	7	48	15	1.98	0.07	0.51	185	<2	0.02	31	840	2	<5	3	<10	21	0.08	45	<10	5	37	3
4700N 4480E	<0.2	0.86	<5	340	<0.5	<5	0.29	<1	5	42	5	1.80	0.08	0.28	260	<2	0.01	21	420	2	<5	2	<10	14	0.07	39	<10	2	36	4
5000N 5000E	<0.2	1.29	<5	400	<0.5	<5	0.24	<1	7	46	7	2.22	0.10	0.34	210	<2	0.01	27	440	2	<5	2	<10	13	0.09	50	<10	2	54	4
5000N 5020E	<0.2	1.65	<5	670	<0.5	<5	0.28	<1	11	58	13	2.62	0.09	0.56	250	<2	0.02	40	710	4	<5	3	<10	15	0.09	60	<10	3	122	5
5000N 5040E	<0.2	1.17	<5	360	<0.5	<5	0.21	<1	6	38	5	1.89	0.05	0.28	155	<2	0.01	22	680	2	<5	2	<10	10	0.07	42	<10	2	72	4
5000N 5060E	<0.2	0.85	<5	380	<0.5	<5	0.23	1	5	31	4	1.49	0.07	0.23	485	<2	0.01	17	360	2	<5	2	<10	12	0.07	31	<10	2	58	3
5000N 5080E	<0.2	0.88	<5	360	<0.5	<5	0.24	1	5	34	4	1.68	0.05	0.26	310	<2	0.01	18	640	2	<5	2	<10	10	0.06	36	<10	2	86	3
5000N 5100E	<0.2	1.02	<5	280	<0.5	<5	0.23	<1	5	33	5	1.62	0.04	0.27	185	<2	0.01	17	470	2	<5	2	<10	13	0.07	37	<10	2	45	2
5000N 5120E	<0.2	0.98	<5	350	<0.5	<5	0.24	1	5	38	6	1.78	0.06	0.29	115	<2	0.01	22	570	2	<5	2	<10	12	0.06	42	<10	3	35	3
5000N 5140E	<0.2	0.95	<5	330	<0.5	<5	0.24	<1	5	40	9	1.81	0.07	0.32	130	<2	0.01	24	520	2	<5	2	<10	12	0.06	40	<10	3	27	4
4950N 5000E	<0.2	1.10	<5	340	<0.5	<5	0.26	<1	6	39	6	1.97	0.07	0.34	125	<2	0.01	20	330	2	<5	2	<10	13	0.07	48	<10	2	37	4
4950N 5020E	<0.2	1.01	<5	330	<0.5	<5	0.24	<1	5	40	8	1.77	0.08	0.28	110	<2	0.01	22	340	<2	<5	2	<10	12	0.07	40	<10	2	27	4
4950N 5040E	<0.2	0.81	<5	300	<0.5	<5	0.24	1	5	30	4	1.53	0.06	0.24	410	<2	0.01	14	350	2	<5	2	<10	12	0.07	35	<10	2	48	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.



## Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : IV0346 SJ

Date : Aug-24-01

**Marvin Sherman**

Attention: Marvin Sherman

Project:

Sample: SOIL

### MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
4850N 4700E	<0.2	1.04	<5	240	<0.5	<5	0.25	<1	7	42	6	2.03	0.07	0.32	215	<2	0.01	22	1260	2	<5	2	<10	9	0.06	44	<10	2	62	4
4700N 4620E	<0.2	1.04	<5	260	<0.5	<5	0.27	<1	6	43	4	1.86	0.10	0.34	125	<2	0.01	25	370	2	<5	2	<10	13	0.08	43	<10	2	46	4
4700N 4640E	<0.2	1.21	<5	420	<0.5	<5	0.27	<1	8	42	8	2.04	0.08	0.36	215	<2	0.01	29	630	2	<5	2	<10	13	0.08	45	<10	2	89	4
4700N 4660E	<0.2	0.96	<5	380	<0.5	<5	0.27	<1	6	38	6	1.81	0.07	0.34	185	<2	0.01	24	1090	2	<5	2	<10	13	0.06	37	<10	3	53	4
4700N 4680E	<0.2	0.73	<5	310	<0.5	<5	0.25	<1	5	28	4	1.39	0.09	0.23	380	<2	0.01	14	290	2	<5	1	<10	14	0.07	31	<10	2	40	2
4700N 4700E	<0.2	0.83	<5	230	<0.5	<5	0.27	<1	5	32	7	1.50	0.07	0.28	210	<2	0.02	20	430	2	<5	2	<10	14	0.07	33	<10	2	36	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.



Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0346 SJ

Date : Aug-24-01

Marvin Sherman

Attention: Marvin Sherman

Project:

Sample: SOIL

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
4950N 5060E	<0.2	1.08	<5	410	<0.5	<5	0.27	1	6	40	6	1.92	0.06	0.33	270	<2	0.01	22	530	2	<5	2	<10	14	0.08	43	<10	2	70	4
4950N 5080E	<0.2	0.79	<5	340	<0.5	<5	0.26	<1	5	37	6	1.60	0.07	0.25	150	<2	0.01	20	400	2	<5	2	<10	13	0.06	38	<10	3	32	4
4950N 5100E	<0.2	1.02	<5	380	<0.5	<5	0.27	<1	6	44	7	1.94	0.07	0.33	120	<2	0.01	24	240	2	<5	2	<10	14	0.07	46	<10	2	31	4
4950N 5120E	<0.2	1.22	5	560	<0.5	<5	0.32	<1	9	54	14	2.30	0.10	0.42	490	<2	0.02	36	550	4	<5	3	<10	17	0.07	50	<10	5	61	5
4950N 5140E	<0.2	1.22	<5	460	<0.5	<5	0.33	<1	9	57	12	2.50	0.10	0.46	280	<2	0.02	42	910	4	<5	3	<10	15	0.07	55	<10	4	60	6
4900N 5000E	<0.2	0.93	<5	260	<0.5	<5	0.31	<1	6	39	8	1.91	0.07	0.31	175	<2	0.01	20	560	<2	<5	2	<10	14	0.06	44	<10	3	28	4
4900N 5020E	<0.2	0.81	<5	340	<0.5	<5	0.34	<1	5	30	4	1.51	0.06	0.24	420	<2	0.02	14	340	2	<5	2	<10	16	0.07	30	<10	2	46	3
4900N 5040E	<0.2	1.67	5	480	<0.5	<5	0.29	<1	10	57	12	2.70	0.13	0.54	160	<2	0.02	40	1050	2	<5	3	<10	16	0.09	57	<10	2	60	6
4900N 5060E	<0.2	1.53	5	590	<0.5	<5	0.33	<1	8	53	15	2.55	0.07	0.54	210	<2	0.02	34	1730	2	<5	3	<10	19	0.07	57	<10	3	61	5
4900N 5080E	<0.2	1.35	<5	580	<0.5	<5	0.30	<1	9	51	11	2.26	0.09	0.44	400	<2	0.02	35	540	2	<5	2	<10	17	0.08	51	<10	3	65	4
4900N 5100E	<0.2	0.98	<5	300	<0.5	<5	0.24	<1	5	39	6	1.80	0.06	0.26	145	<2	0.01	20	580	2	<5	2	<10	12	0.07	42	<10	2	32	4
4900N 5120E	<0.2	1.15	<5	430	<0.5	<5	0.32	<1	6	45	9	2.02	0.08	0.35	130	<2	0.01	26	670	2	<5	2	<10	17	0.07	47	<10	3	39	5
4900N 5140E	<0.2	1.27	<5	480	<0.5	<5	0.27	<1	8	58	10	2.44	0.07	0.40	215	<2	0.01	34	530	2	<5	3	<10	12	0.07	57	<10	2	46	3
4850N 5000E	<0.2	1.06	<5	550	<0.5	<5	0.33	<1	7	42	6	2.10	0.10	0.34	375	<2	0.01	24	780	2	<5	2	<10	15	0.06	43	<10	3	83	5
4850N 5020E	<0.2	1.53	5	470	<0.5	<5	0.27	<1	8	52	13	2.40	0.06	0.41	140	<2	0.01	42	620	4	<5	2	<10	15	0.08	54	<10	2	46	5
4850N 5040E	<0.2	1.38	5	500	<0.5	<5	0.26	<1	9	54	14	2.38	0.08	0.49	180	<2	0.02	43	750	2	<5	3	<10	16	0.08	52	<10	3	60	5
4850N 5060E	<0.2	1.35	<5	540	<0.5	<5	0.25	<1	10	45	9	2.23	0.07	0.44	450	<2	0.01	30	590	4	<5	2	<10	13	0.07	51	<10	2	105	5
4850N 5080E	<0.2	1.39	<5	620	<0.5	<5	0.28	1	11	51	9	2.46	0.09	0.48	335	<2	0.02	35	750	4	<5	3	<10	15	0.07	54	<10	3	114	6
4850N 5100E	<0.2	1.62	<5	610	<0.5	<5	0.28	1	12	54	11	2.69	0.08	0.55	375	<2	0.02	39	770	4	<5	3	<10	13	0.08	61	<10	3	133	5
4850N 5120E	<0.2	1.62	<5	670	<0.5	<5	0.31	1	11	60	12	2.77	0.09	0.56	290	<2	0.02	43	980	4	<5	3	<10	16	0.10	63	<10	3	122	6
4850N 5140E	<0.2	1.51	5	510	<0.5	<5	0.26	<1	9	50	12	2.49	0.07	0.48	225	<2	0.01	40	760	2	<5	2	<10	13	0.08	58	<10	3	84	4
4800N 4620E	<0.2	1.18	<5	280	<0.5	<5	0.30	<1	7	42	5	2.04	0.07	0.35	130	<2	0.01	21	690	4	<5	2	<10	19	0.08	45	<10	2	78	5
4800N 4640E	<0.2	0.97	<5	380	<0.5	<5	0.23	<1	6	36	5	1.78	0.07	0.28	275	<2	0.01	20	690	2	<5	2	<10	13	0.08	37	<10	2	74	3
4800N 4660E	<0.2	0.98	<5	300	<0.5	<5	0.27	<1	6	52	7	2.17	0.07	0.36	145	<2	0.01	27	540	2	<5	2	<10	12	0.07	51	<10	2	41	4
4800N 4680E	<0.2	1.11	<5	350	<0.5	<5	0.28	<1	8	53	12	2.16	0.08	0.47	200	<2	0.02	37	880	4	<5	3	<10	14	0.07	48	<10	3	54	4
4800N 4700E	<0.2	1.07	<5	350	<0.5	<5	0.26	<1	6	37	6	1.75	0.07	0.30	165	<2	0.01	22	590	2	<5	2	<10	15	0.07	36	<10	2	68	5
4850N 4620E	<0.2	1.20	<5	460	<0.5	<5	0.27	<1	8	50	8	2.25	0.07	0.41	220	<2	0.02	37	1180	2	<5	3	<10	11	0.07	49	<10	3	100	4
4850N 4640E	<0.2	0.94	<5	260	<0.5	<5	0.24	<1	6	38	7	1.69	0.08	0.29	155	<2	0.01	22	380	2	<5	2	<10	12	0.08	37	<10	2	49	5
4850N 4660E	<0.2	0.88	<5	330	<0.5	<5	0.29	<1	6	34	6	1.67	0.09	0.26	185	<2	0.01	21	330	2	<5	2	<10	15	0.08	37	<10	2	46	4
4850N 4680E	<0.2	0.87	<5	250	<0.5	<5	0.24	<1	6	37	6	1.79	0.07	0.30	200	<2	0.01	21	600	2	<5	2	<10	11	0.07	41	<10	2	61	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.



Marvin Sherman

Attention: Marvin Sherman

Project:

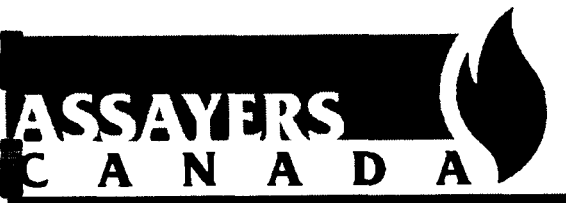
Sample: SOIL

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
5000N 4600E	<0.2	0.71	<5	180	<0.5	<5	0.23	<1	5	35	5	1.58	0.12	0.30	150	<2	0.01	18	210	2	<5	2	<10	13	0.07	36	<10	2	30	4
5000N 4580E	<0.2	1.11	<5	320	<0.5	<5	0.28	<1	7	49	11	2.19	0.09	0.39	135	<2	0.01	34	980	2	<5	3	<10	12	0.08	45	<10	3	33	5
5000N 4560E	<0.2	0.95	<5	260	<0.5	<5	0.24	<1	6	41	6	1.78	0.07	0.29	210	<2	0.01	22	720	4	<5	2	<10	10	0.07	37	<10	3	45	3
5000N 4540E	<0.2	0.88	<5	370	<0.5	<5	0.22	<1	6	34	6	1.57	0.05	0.25	430	<2	0.01	19	380	2	<5	2	<10	11	0.06	35	<10	2	53	1
5000N 4520E	<0.2	0.97	<5	350	<0.5	<5	0.30	<1	6	39	7	1.78	0.08	0.31	150	<2	0.01	21	570	4	<5	2	<10	17	0.07	36	<10	3	33	5
5000N 4500E	<0.2	1.12	<5	330	<0.5	<5	0.24	1	6	32	5	1.80	0.06	0.27	220	<2	0.01	18	810	2	<5	2	<10	11	0.08	37	<10	2	59	3
5000N 4480E	<0.2	0.86	5	220	<0.5	<5	0.31	<1	6	43	13	1.84	0.09	0.46	225	<2	0.02	27	400	2	<5	3	<10	18	0.07	41	<10	5	29	4
4950N 4600E	<0.2	0.86	<5	320	<0.5	<5	0.25	1	6	35	4	1.68	0.08	0.27	180	<2	0.01	21	600	2	<5	2	<10	11	0.07	35	<10	2	74	4
4950N 4580E	<0.2	0.97	<5	320	<0.5	<5	0.30	<1	5	39	9	1.74	0.11	0.32	180	<2	0.01	23	640	2	<5	2	<10	14	0.06	36	<10	3	32	5
4950N 4560E	<0.2	0.91	<5	310	<0.5	<5	0.33	<1	6	41	7	1.90	0.08	0.34	150	<2	0.01	23	1060	2	<5	2	<10	15	0.06	40	<10	3	34	4
4950N 4540E	<0.2	0.94	<5	420	<0.5	<5	0.24	<1	5	37	7	1.71	0.06	0.31	115	<2	0.01	22	550	2	<5	2	<10	12	0.06	38	<10	3	29	2
4950N 4520E	<0.2	0.82	<5	300	<0.5	<5	0.24	<1	5	35	6	1.55	0.07	0.27	135	<2	0.01	20	360	<2	<5	2	<10	13	0.07	34	<10	2	29	3
4950N 4500E	<0.2	0.72	<5	240	<0.5	<5	0.32	<1	5	33	5	1.57	0.09	0.30	190	<2	0.01	18	820	2	<5	2	<10	16	0.06	33	<10	3	33	4
4950N 4480E	<0.2	0.93	<5	220	<0.5	<5	0.38	<1	7	47	15	2.06	0.12	0.51	225	<2	0.02	31	530	4	<5	3	<10	23	0.09	44	<10	5	37	6
4900N 4600E	<0.2	0.86	<5	360	<0.5	<5	0.29	1	5	35	7	1.61	0.09	0.27	180	<2	0.01	21	500	2	<5	2	<10	15	0.07	33	<10	3	53	4
4900N 4580E	<0.2	0.89	<5	300	<0.5	<5	0.26	<1	6	39	7	1.68	0.08	0.29	155	<2	0.01	20	620	2	<5	2	<10	13	0.07	35	<10	3	37	3
4900N 4560E	<0.2	1.06	<5	370	<0.5	<5	0.30	<1	6	42	7	1.84	0.07	0.31	155	<2	0.01	24	610	2	<5	2	<10	15	0.07	39	<10	3	37	3
4900N 4540E	<0.2	1.06	<5	410	<0.5	<5	0.25	<1	6	36	5	1.70	0.05	0.27	155	<2	0.01	20	650	2	<5	2	<10	13	0.07	36	<10	2	53	4
4900N 4520E	<0.2	1.02	<5	390	<0.5	<5	0.29	<1	6	44	7	1.97	0.07	0.31	170	<2	0.01	23	760	<2	<5	2	<10	14	0.07	43	<10	3	43	2
4900N 4500E	<0.2	0.91	<5	270	<0.5	<5	0.29	<1	6	42	8	1.69	0.07	0.34	175	<2	0.01	21	480	2	<5	2	<10	16	0.07	38	<10	3	29	3
4900N 4480E	<0.2	0.82	<5	200	<0.5	<5	0.27	<1	5	34	6	1.50	0.08	0.29	140	<2	0.01	18	470	2	<5	2	<10	14	0.07	33	<10	3	29	4
4850N 4600E	<0.2	0.84	<5	270	<0.5	<5	0.29	<1	6	40	8	1.80	0.08	0.36	165	<2	0.02	24	1190	2	<5	2	<10	12	0.06	38	<10	3	32	3
4850N 4580E	<0.2	0.82	<5	300	<0.5	<5	0.30	<1	5	34	7	1.56	0.06	0.33	355	<2	0.02	22	760	2	<5	2	<10	14	0.06	33	<10	3	51	4
4850N 4560E	<0.2	0.95	<5	310	<0.5	<5	0.28	<1	5	41	9	1.80	0.09	0.34	155	<2	0.01	26	1100	2	<5	2	<10	13	0.06	37	<10	3	37	5
4850N 4540E	<0.2	0.77	<5	300	<0.5	<5	0.32	<1	6	40	8	1.83	0.09	0.32	175	<2	0.02	24	710	2	<5	2	<10	13	0.06	40	<10	3	32	4
4850N 4520E	<0.2	0.82	<5	380	<0.5	<5	0.26	<1	7	37	7	1.69	0.09	0.29	600	<2	0.01	20	540	4	<5	2	<10	12	0.07	38	<10	3	35	2
4850N 4500E	<0.2	0.92	<5	360	<0.5	<5	0.28	<1	5	38	7	1.71	0.07	0.30	145	<2	0.01	22	710	2	<5	2	<10	14	0.06	38	<10	3	37	4
4850N 4480E	<0.2	0.80	<5	230	<0.5	<5	0.30	<1	4	32	5	1.33	0.05	0.29	130	<2	0.02	16	460	2	<5	2	<10	14	0.06	32	<10	3	28	2
4800N 4600E	<0.2	1.10	5	260	<0.5	<5	0.49	<1	7	54	19	2.19	0.10	0.62	210	<2	0.03	34	490	4	<5	4	<10	29	0.11	47	<10	7	38	6
4800N 4580E	<0.2	1.08	5	400	<0.5	<5	0.32	<1	6	41	7	2.12	0.11	0.36	135	<2	0.02	28	1210	2	<5	2	<10	17	0.08	44	<10	4	48	5

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.



Assayers Canada  
8282 Sherbrooke St.  
Vancouver, B.C.  
V5X 4R6  
Tel: (604) 327-3436  
Fax: (604) 327-3423

*Quality Assaying for over 25 Years*

**Geochemical Analysis Certificate**

**1V-0346-SG1**

**Aug-24-01**

Company: **Marvin Sherman**  
Project:  
Attn: **Marvin Sherman**

We hereby certify the following geochemical analysis of 24 soil samples submitted Aug-14-01

<b>Sample Name</b>	<b>Au ppb</b>
5000N 4600E	1
5000N 4580E	2
5000N 4560E	2
5000N 4540E	2
5000N 4520E	3
5000N 4500E	1
5000N 4480E	4
4950N 4600E	5
4950N 4580E	1
4950N 4560E	1
4950N 4540E	2
4950N 4520E	1
4950N 4500E	2
4950N 4480E	4
4900N 4600E	3
4900N 4580E	4
4900N 4560E	4
4900N 4540E	8
4900N 4520E	8
4900N 4500E	3
4900N 4480E	2
4850N 4600E	5
4850N 4580E	3
4850N 4560E	2

Certified by



Assayers Canada  
8282 Sherbrooke St.  
Vancouver, B.C.  
V5X 4R6  
Tel: (604) 327-3436  
Fax: (604) 327-3423

*Quality Assaying for over 25 Years*

**Geochemical Analysis Certificate**

1V-0346-SG2

Company: **Marvin Sherman**  
Project:  
Attn: **Marvin Sherman**

Aug-24-01

We hereby certify the following geochemical analysis of 24 soil samples submitted Aug-14-01

Sample Name	Au ppb
4850N 4540E	15
4850N 4520E	4
4850N 4500E	4
4850N 4480E	5
4800N 4600E	8
4800N 4580E	4
4800N 4560E	4
4800N 4540E	3
4800N 4520E	4
4800N 4500E	8
4800N 4480E	5
4750N 4600E	5
4750N 4580E	6
4750N 4560E	18
4750N 4540E	3
4750N 4520E	5
4750N 4500E	2
4750N 4480E	3
4700N 4600E	2
4700N 4580E	1
4700N 4560E	4
4700N 4540E	3
4700N 4520E	5
4700N 4500E	5

Certified by \_\_\_\_\_



**Assayers Canada**  
 8282 Sherbrooke St.  
 Vancouver, B.C.  
 V5X 4R6  
 Tel: (604) 327-3436  
 Fax: (604) 327-3423

*Quality Assaying for over 25 Years*

**Geochemical Analysis Certificate**

**1V-0346-SG3**

Company: **Marvin Sherman**  
 Project:  
 Attn: **Marvin Sherman**

**Aug-24-01**

We hereby certify the following geochemical analysis of 24 soil samples submitted Aug-14-01

Sample Name	Au ppb
4700N 4480E	2
5000N 5000E	5
5000N 5020E	42
5000N 5040E	1
5000N 5060E	1
5000N 5080E	2
5000N 5100E	1
5000N 5120E	1
5000N 5140E	6
4950N 5000E	1
4950N 5020E	2
4950N 5040E	3
4950N 5060E	5
4950N 5080E	3
4950N 5100E	1
4950N 5120E	3
4950N 5140E	3
4900N 5000E	2
4900N 5020E	7
4900N 5040E	8
4900N 5060E	11
4900N 5080E	9
4900N 5100E	3
4900N 5120E	4

Certified by

*Quality Assaying for over 25 Years***Geochemical Analysis Certificate****1V-0346-SG4**Company: **Marvin Sherman**  
Project:  
Attn: **Marvin Sherman****Aug-24-01**We *hereby certify* the following geochemical analysis of 24 soil samples submitted Aug-14-01

<b>Sample Name</b>	<b>Au ppb</b>
4900N 5140E	67
4850N 5000E	5
4850N 5020E	4
4850N 5040E	10
4850N 5060E	9
4850N 5080E	12
4850N 5100E	9
4850N 5120E	5
4850N 5140E	6
4800N 4620E	4
4800N 4640E	5
4800N 4660E	5
4800N 4680E	7
4800N 4700E	4
4850N 4620E	42
4850N 4640E	3
4850N 4660E	2
4850N 4680E	1
4850N 4700E	3
4700N 4620E	2
4700N 4640E	3
4700N 4660E	12
4700N 4680E	2
4700N 4700E	4

Certified by \_\_\_\_\_