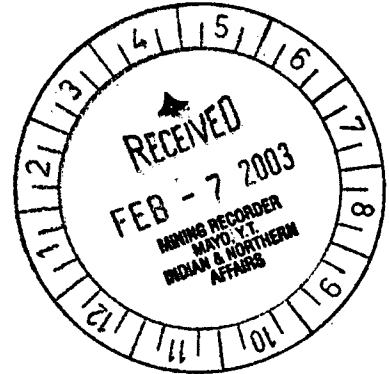


GEOCHEMISTRY AND GEOPHYSICAL

REPORT

ALPINE 1-38 CLAIMS

GRANT # YCO1902-YCO1938



MAYO MINING DISTRICT

NTS # 115 P / 15

094401 c.2

LAT: 63' 48 N

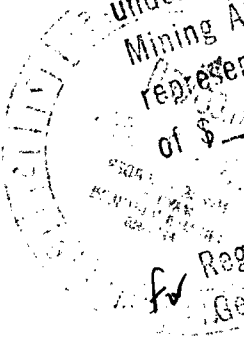
LONG: 136' 57 W

AUTHOR OF REPORT: SHAWN RYAN

WORK PERFORMED SEPTEMBER 2001

DATE OF REPORT JANUARY 2003

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 \$ 21,000.



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

TABLE OF CONTENT

| | |
|---|-----------------|
| SUMMARY | P.1 |
| INTRODUCTION | P.1 |
| LOCATION | P.1 |
| ACCESS | P.1 |
| PROPERTY GEOLOGY | P.1 |
| WORK PERFORMED | P.2 |
| GRID WORK | P.2 |
| MAGNETIC SURVEY | P.2 |
| SOIL SAMPLING | P.2 |
| INTERPRETATION | P.3 |
| MAGNETIC SURVEY | P.3 |
| SOIL SURVEY | P.4 |
| RECOMMENDATION | P.4 |
| COST | P.5 |
| QUALIFICATION | P.6 |
| MAGNETIC MAP WITH INTERPRETATION OVERLAY | APPENDIX |
| GRID LOCATION MAP | APPENDIX |
| SOIL ANOMALY MAP | APPENDIX |
| ASSAY DATA | APPENDIX |
| LARGE MAGNETIC MAP | FOLDER |
| MAGNETIC DATA ON DISK | FOLDER |

SUMMARY

The Alpine 1-38 grant # YC01902-YC01938 and Callum 1-8 claims grant # YC01939-YC01942 and YC02339-YC02342 are registered to Shawn Ryan. Alpine 2-38 and Callum 7-8 will be renewed to August 2006 and Alpine 1 and Callum 1-6 will be renewed till August 2009. A large grid was laid out covering most of the Alpine claims and a Magnetic survey was conducted. A soil survey was conducted over anomalous magnetic areas found during the survey. The geophysical survey revealed five distinct anomalous areas and the soil survey pick up two anomalous zones. The southern anomaly showed elevated values in zinc, lead, arsenic and copper. The northern anomaly showed only a slight gold anomaly.

INTRODUCTION

The Alpine claims were staked to cover a gold potential during the summer of 1998. Since then I have found what appear to be a base metal potential. My work this year was directed at giving a bigger picture of the whole area, which would hopefully help in defining target areas. I feel the magnetic survey did give us a good picture.

LOCATION

The Alpine claims block is located on the border of the Dawson, Mayo Mining district. It is 35 miles north west of Mayo at the headwaters of the Forty Mile creek.

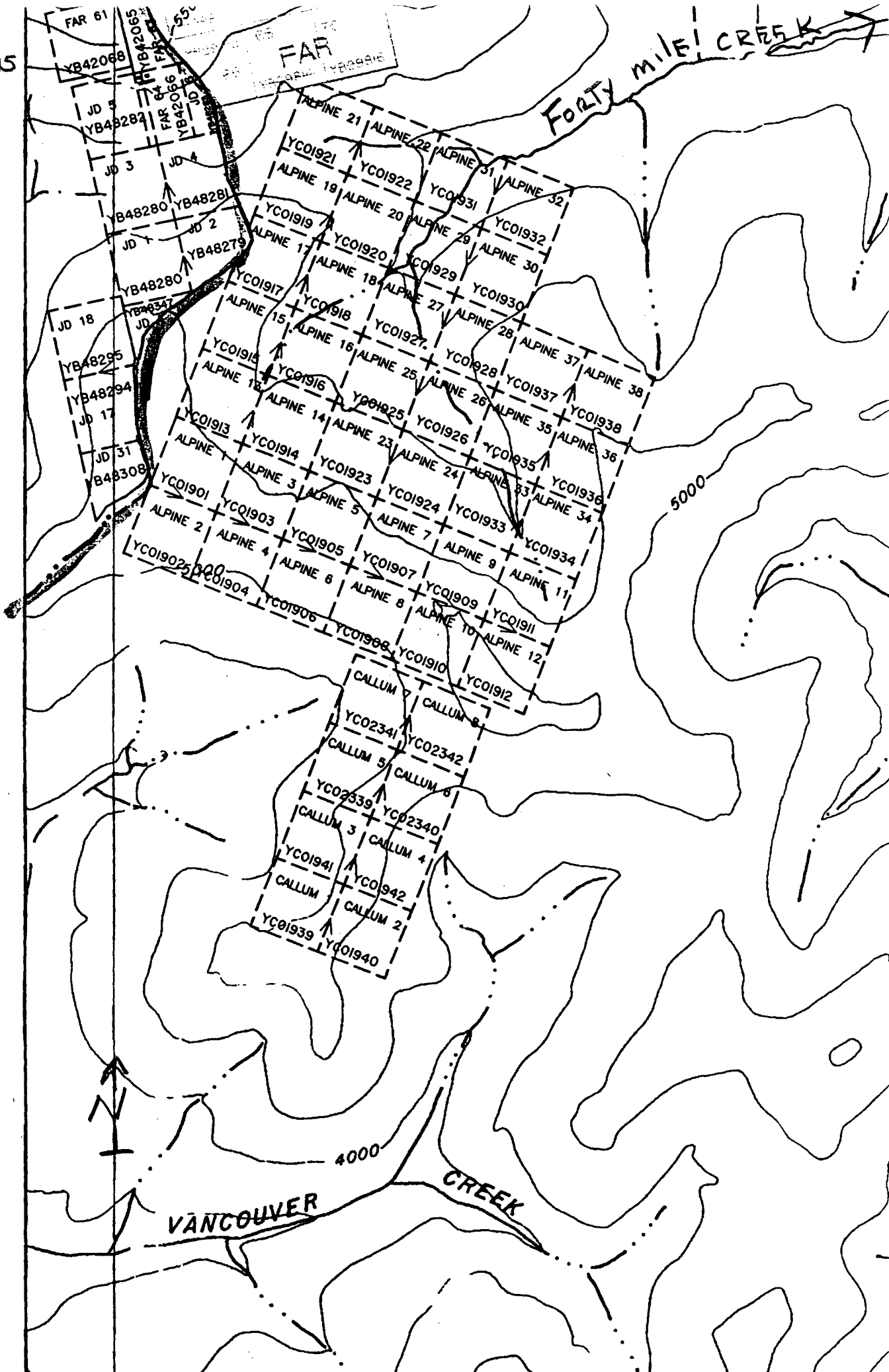
ACCESS

Access is via helicopter from Mayo or Dawson. We access the property by helicopter; it came in from Mayo and met us at the Dredge on Clear Creek. We took two trips to get in, one sling load and one passenger load. We also exit the same way.

PROPERTY GEOLOGY

The property geology according to the Sprague Creek geological map by Don Murphy shows the Alpine claims are located in the Tombstone strain zone of the Hyland Group. This group is located in the upper Proterozoic lower Cambrian rock unit. The Cominco assessment report # 091008 also points out to numerous intrusion of sills and dikes of two different ages some of the Mcquesten suite and some of the Tombstone suite. I have also found an old massive showing running 20% zinc with some Pb and copper. This showing is located along the creek edge at line 9750 N, station 5050 E. I also found what looked to be the same type of rock of massive zinc in quartz along the creek edge at around line 10900 N. I suspected it came from the high-grade southern creek showing but now I suspect It's from a more local source.

115 P/15



FAR 61

YB42068

JD 5

YB48283

JD 3

YB48280

JD 2

YB48280

JD 18

YB48295

YB48294

JD 17

JD 31

YB48308

FAR

FORTY MILE CREEK

5000

4000

VANCOUVER CREEK

WORK PERFORMED / METHODS

GRID WORK

I started by re-establishing Cominco old grid. Once located we re-cut the base line and extend it to the south for one kilometer. The total base line cut was 2.7 kilometers. The next part of the project was to re-establish Cominco old grid lines. We chain the base line and found Cominco old lines. Lines were established every 100 meters and we flagged the lines every 25 meters with orange flagging tape and wrote line and station number with permanent black marker. I wanted to follow Cominco old grid because the plan was to compare their I.P. data to the Magnetic survey. I ran the grid from line 9000 N to 11700 N and station 3750 E to 5400 E. There was a total of 2.7 kilometers of base line cut plus 4.6 kilometers of flagged tie line. There was a total of 40.6 kilometers of flagged grid line put in.

MAGNETIC SURVEY

I ran a magnetometer survey using two Scintrex Proton magnetometers. One was used as a base station, which was located in the same spot close to camp. The base station runs continually during the survey taking reading every 30 seconds. The daily survey is corrected every night for the regional earth daily magnetic drift. I dump all the data on a laptop computer every night and the data was transfer to floppy disk for extra backup. I ran a magnetic contour program on the computer every night to see if any magnetic anomalies showed up. All magnetic anomalies were noted and where to be followed up with soil sampling program once the line cutting and flagged grid was complete.

The magnetic survey took a reading every 25 meters at the flagged station. There was 1732 magnetic reading taken across the whole grid.

SOIL SAMPLING PROGRAM

I ran a soil-sampling program on four general areas across various parts of the grid starting from the north end of the grid and moved my way to the south part of the grid. I called the Anomalies A to D.

Anomaly A is located at the northern end of the grid on line 11-600 N in between station 4450 E to 4700 E and the next line over line 11-500 N in between station 4450 E to 4900 E. The next Anomaly B is located on line 10-700 N in between station 4100 E to 4300 E. Anomaly C is located on line 10-300 N in between station 4650 E to 4800 E and on line 10-200 N in between station 4250 E to 4475 E. Anomaly D covered eight lines starting at line 9-700 N to line 9-000 N in between station 4700 E to 5100 E.

INTERPRETATION

MAGNETIC SURVEY

The magnetic survey worked great in breaking up the region into at least five different magnetic areas.

Area one is located in the northern part of the grid. It covers the entire grid area between lines 10+400 N and L 11+600 N. Base on noting various rock type found during the survey I noted a number of granite units found in the magnetic anomaly area. I could only assumed that the whole anomaly (magnetic high) is underlain by a granite unit.

Area two is the magnetic low located just south of the granite area. A silver-gray, brown and black sericite-chlorite schist and quartzites underlie this magnetic low. There also a quartz breccias found in a old trench along the Forty Mile Creek at 10+360 N.

Area number three is a magnetic high found running in a northeast directions mainly in-between lines 10+100 N and L 10+200 N. This magnetic high expands to take in the massive sulphide showing found in Forty Mile Creek.

Area number four is a second magnetic low found in the southwest corner of the grid. I feel this area is related to a mineralized pelitic metasediments and magnetic low intrusions. The area has a large soil anomaly in As, Sn, Zn, Cu and Pb.

Area number five is a magnetic high located in the southeast corner. I noted granite on the ridge top and feel the magnetic anomaly is related to this type of granite.

SOIL SAMPLING

The soil sampling was conducted on various geophysical anomalies the result where mixed and did show two different type of anomalies in there geochem signature.

Anomaly A located in the northern part of the grid on lines 11+600 N station 4450 E to 4700 E and line 11+500 N, station 4450 E to 4900 E. This area was covered with soil sampling because it showed up as a magnetic anomalous area and Cominco had found a I.P. anomaly going in a east-west direction. The results from the soil sample showed a minor gold anomaly of maximum value of 33 ppb Au. The ICP values showed no other anomalies except one tungsten value of 5 ppm W.

Anomaly B located on line 10-700 N in between station 4100 E to 4300 E. This anomaly showed a slight arsenic anomaly. The results on this line with other element such as zinc show a gradual rise compared to Anomaly A but much lower than Anomaly C.

Anomaly C located on lines 10-200 N and 10-300 N shows a increase in arsenic, zinc, copper and zinc.

Anomaly D located on lines 9-700 N to 9-000 N. This part of the grid showed very elevated value in arsenic, zinc, copper and arsenic. The anomalous values gets higher as one move to the extreme south end of the grid.

I feel the geochem anomalies found prove that there two different type of geochem signature. The first Anomaly A has a potential to be related to Tombstone type intrusion. I base that assumption on the lack of base metal anomalies and the direction it traveling. The next anomaly pattern of base metal could potential be related to the perillunious intrusion type system of the Mcquesten suite. Cominco has map this unit at the ridge top and related the high arsenic value to the tin mineralization system.

RECOMMENDATION

The next phase of exploration for the property would be to track down where the massive sulphide boulder came from found at the end of 2001 field season. I would then thick of running a max-min survey over the south part of the grid. I would start from line 10-000N and work my way to line 9-000N. This would cover the massive sulphide showing in the creek and if there is a base metal showing the max-min survey should pick it up.

COST

GRID WORK

| | |
|---|------------|
| 2.7 kilometers of line cutting at \$450.00 KL | \$1,215.00 |
| 4.6 kilometers of flagged tie lines \$150.00 KL | \$690.00 |
| 40.6 kilometers of flagged lines at \$150.00 KL | \$6,090.00 |

GEOPHYSICAL SURVEY

| | |
|---|-------------|
| 43.3 kilometers of Magnetic survey at \$250.00 KL | \$10,825.00 |
|---|-------------|

SOIL SAMPLING

| | |
|--|----------|
| 3 man days of soil sampling \$225.00 per day | \$675.00 |
| 1 day of prospecting at \$250.00 | \$250.00 |

ASSAYING COST

| | |
|--|----------|
| 98 soil sample at \$10.00 ICP | \$980.00 |
| 56 soil sample at \$8.00 gold fire assay | \$448.00 |
| 3 rock samples at \$13.00 ICP | \$39.00 |

TRAVEL COST

| | |
|--------------------------|-----------|
| Helicopter cost 1.8 hour | \$1775.00 |
|--------------------------|-----------|

REPORT COST

| | |
|---------------------|----------|
| Report writing cost | \$500.00 |
|---------------------|----------|

| | |
|--------------|--------------------|
| TOTAL | \$23,487.00 |
|--------------|--------------------|

QUALIFICATION

I Shawn Ryan located in Dawson City, 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 20 years. I worked the first 12 years as a contractor working on numerous projects in the NWT, Ontario, Quebec and the Yukon. I have worked for the last eight years as a local prospector in the Dawson Area.

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 all the work done on the Alpine claims.

I own 100 % of the Alpine Claims.

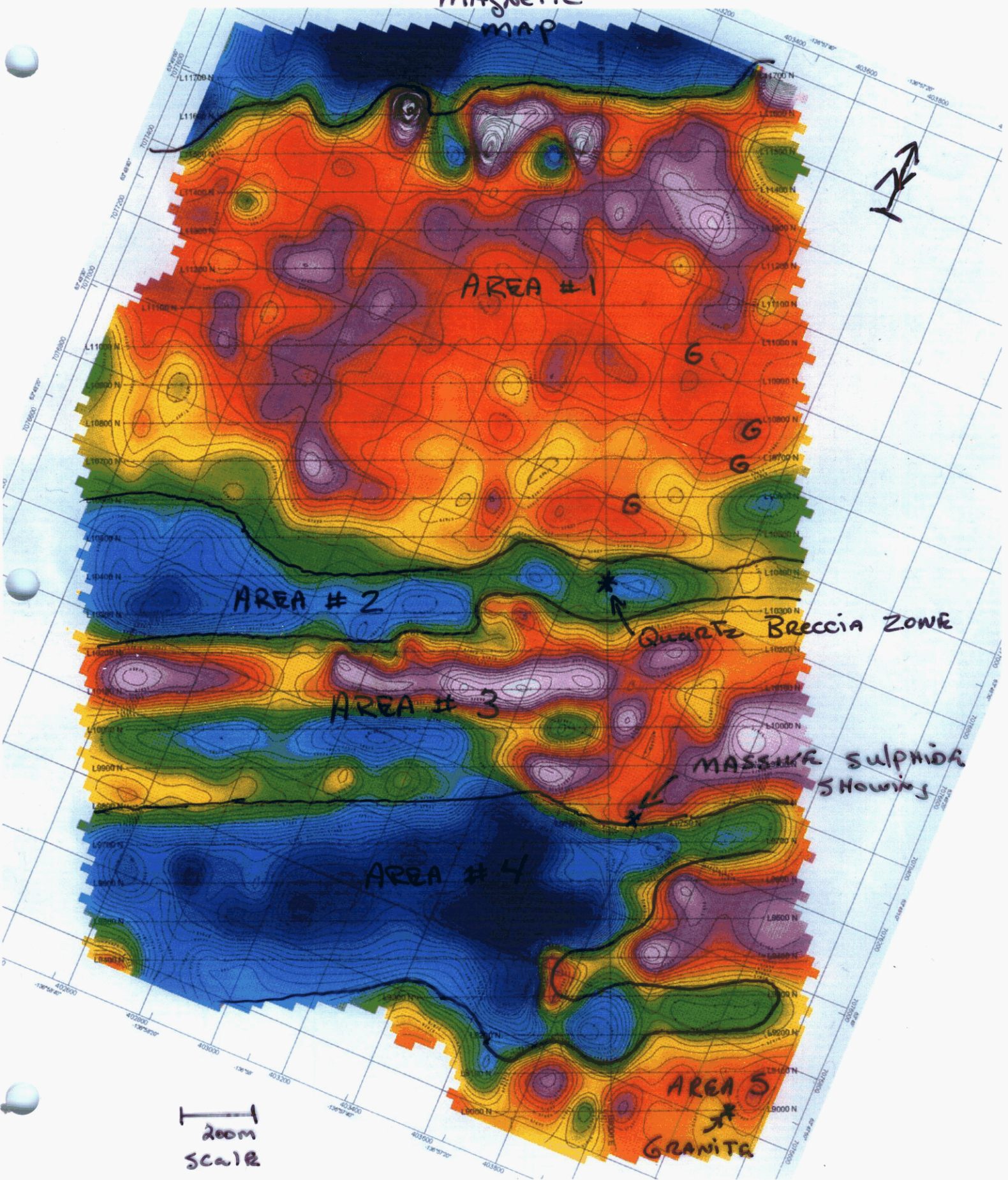
Dated this February 3, 2003 in Dawson City, Yukon.

Respectfully submitted

A handwritten signature in black ink, appearing to read 'Shawn Ryan', with a long horizontal flourish extending to the right.

Shawn Ryan

ALPINE claims magnetic MAP



AREA # 2

AREA # 1

AREA # 3

AREA # 4

AREA # 5

GRANITE

Quartz Breccia ZONE

MASSIVE sulphide Showings

200m
SCALE

G - GRANITE.

NTS #
115 P/15

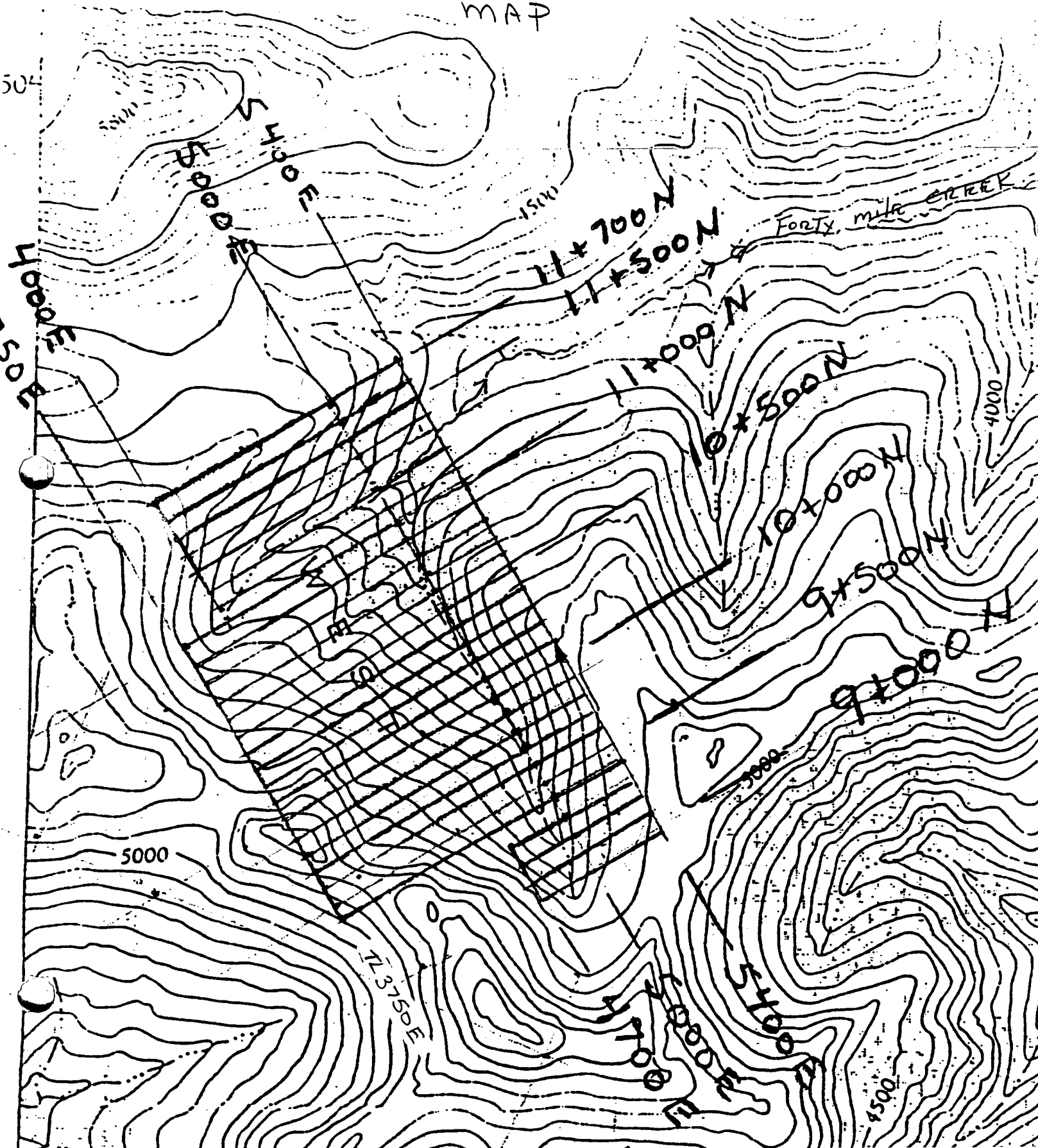
ALPINE Claims

2001 GRID

LOCATION MAP

500m
SCALE

NORTH
↑
↓





Date SEPTEMBER / 2001

Project ALPINE Claims

Job No. By. SHAWN RYAN

Soil Sample
SOUTH END

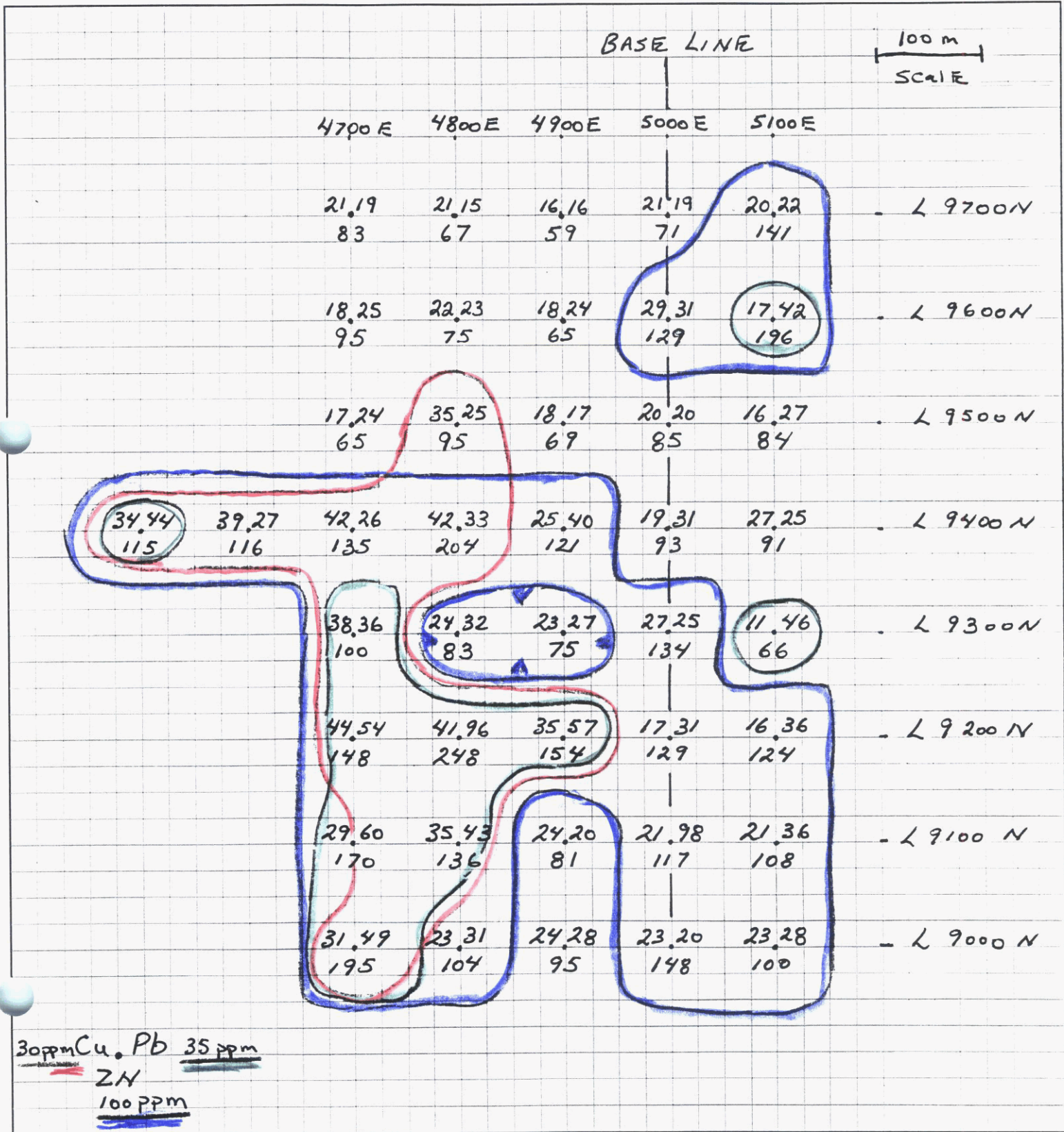


FIGURE #1

ARSENIC Soil Anomaly

Date _____ Project ALPINE claims

Job No. By SHAWN RYAN Soil Sample

SEPTEMBER 2001

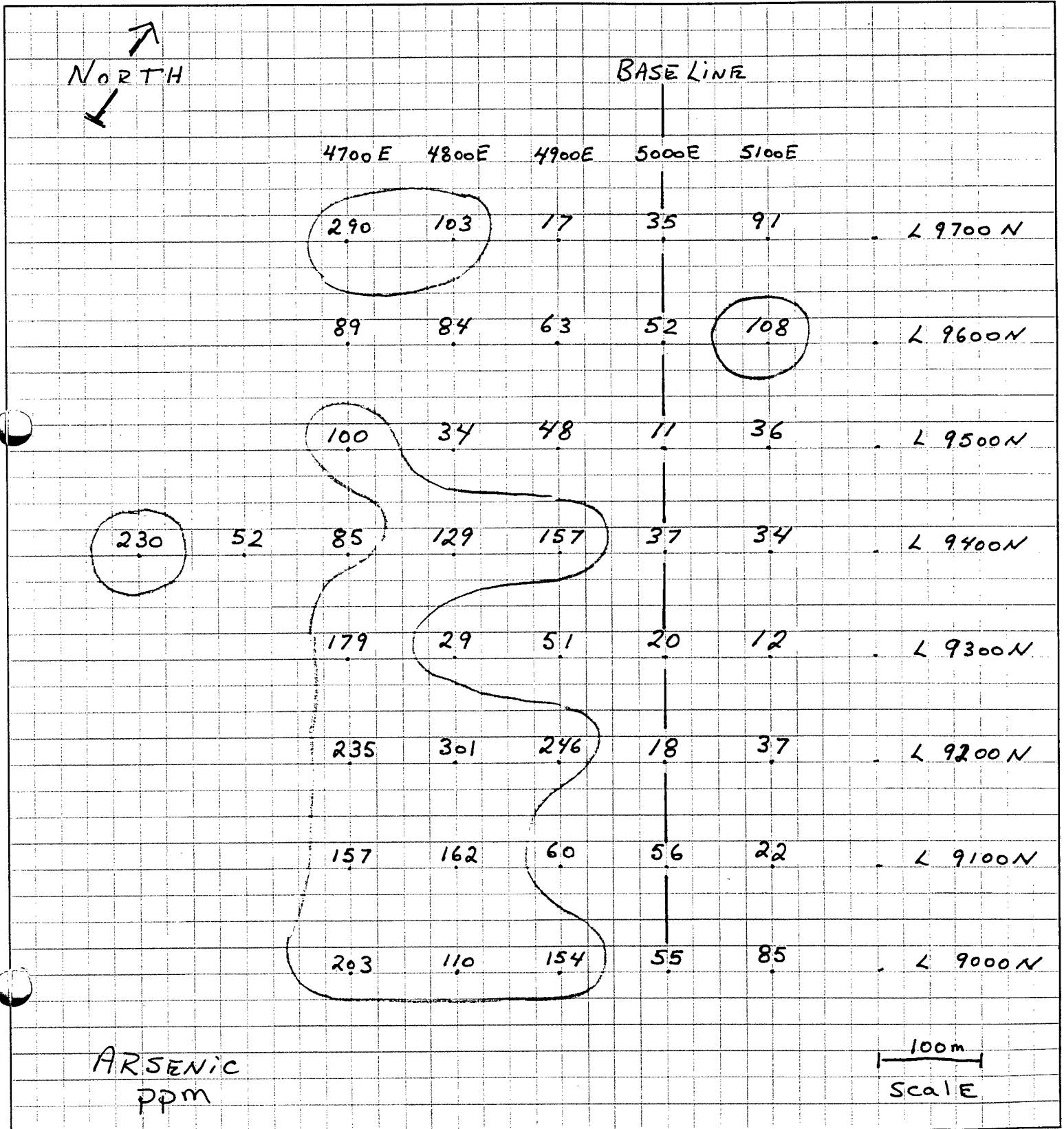


Figure # 1



INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS

CL 01J1201



Vancouver, B.C.
Canada V6E 1E1
Phone (604) 879-7878
Fax (604) 879-7898
Email ipl@direct.ca

Client : Northern Analytical Laboratories
Project: WD#00232

98 Samples
98=Pulp

[120116:20:18:10103101]

Out: Oct 31, 2001
In: Oct 24, 2001

Page 3 of 3
Section 1 of 1

| Sample Name | Ag ppm | Cu ppm | Pb ppm | Zn ppm | As ppm | Sb ppm | Hg ppm | Mo ppm | Tl ppm | Bi ppm | Cd ppm | Co ppm | Ni ppm | Ba ppm | W ppm | Cr ppm | V ppm | Mn ppm | La ppm | Sr ppm | Zr ppm | Sc ppm | Ti % | Al % | Ca % | Fe % | Mg % | K % | Na % | P % |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|---------|--------|---------|--------|
| S9404700 | P 0.4 | 42 | 25 | 135 | 85 | < | < | 3 | < | < | < | 13 | 28 | 81 | < | 22 | 31 | 552 | 30 | 13 | 3 | 3 | 0.03 | 1.70 | 0.30 | 3.18 | 1.47 | 0.09 | 0.01 | 0.06 |
| S9404800 | P 0.5 | 42 | 33 | 204 | 129 | < | < | 4 | < | < | < | 11 | 28 | 83 | < | 21 | 34 | 550 | 29 | 12 | 2 | 3 | 0.03 | 1.63 | 0.25 | 3.13 | 1.42 | 0.09 | 0.01 | 0.06 |
| S9404900 | P 0.3 | 25 | 40 | 121 | 157 | < | < | 3 | < | < | < | 18 | 26 | 98 | < | 20 | 33 | 1082 | 14 | 13 | 1 | 1 | 0.03 | 1.38 | 0.22 | 2.77 | 0.49 | 0.06 | 0.01 | 0.07 |
| S9405000 | P 0.3 | 19 | 31 | 93 | 37 | < | < | 4 | < | < | < | 10 | 43 | 105 | < | 21 | 32 | 408 | 13 | 10 | 1 | 1 | 0.02 | 1.33 | 0.13 | 2.37 | 0.39 | 0.04 | 0.01 | 0.06 |
| S9405100 | P 0.5 | 27 | 25 | 91 | 34 | < | < | 3 | < | < | < | 9 | 31 | 118 | < | 20 | 37 | 368 | 16 | 18 | 1 | 2 | 0.04 | 0.96 | 0.29 | 2.24 | 0.41 | 0.04 | 0.01 | 0.08 |
| S9504700 | P 0.2 | 17 | 24 | 55 | 100 | < | < | 3 | < | < | < | 9 | 16 | 136 | < | 22 | 40 | 438 | 12 | 14 | < | 1 | 0.02 | 1.50 | 0.19 | 2.50 | 0.46 | 0.04 | 0.01 | 0.06 |
| S9504800 | P 0.2 | 35 | 25 | 95 | 34 | < | < | 3 | < | < | < | 11 | 23 | 68 | < | 16 | 21 | 620 | 35 | 6 | 1 | 2 | 0.01 | 1.18 | 0.09 | 3.01 | 0.68 | 0.05 | 0.01 | 0.05 |
| S9504900 | P < | 18 | 17 | 59 | 48 | < | < | 3 | < | < | < | 9 | 18 | 106 | < | 24 | 41 | 353 | 14 | 10 | < | 1 | 0.03 | 1.47 | 0.13 | 2.57 | 0.46 | 0.04 | 0.01 | 0.05 |
| S9505000 | P 0.2 | 20 | 20 | 35 | 11 | < | < | 2 | < | < | < | 9 | 25 | 89 | < | 19 | 33 | 313 | 16 | 13 | 1 | 1 | 0.03 | 0.96 | 0.21 | 2.30 | 0.37 | 0.05 | 0.01 | 0.06 |
| S9505100 | P 0.4 | 16 | 27 | 34 | 36 | < | < | 2 | < | < | < | 8 | 16 | 110 | < | 22 | 35 | 374 | 14 | 9 | < | 1 | 0.01 | 1.36 | 0.11 | 2.41 | 0.39 | 0.04 | 0.01 | 0.05 |
| S9604700 | P 0.3 | 18 | 25 | 96 | 89 | < | < | 3 | < | < | < | 11 | 20 | 150 | < | 22 | 44 | 588 | 11 | 17 | < | 1 | 0.02 | 1.44 | 0.25 | 2.68 | 0.50 | 0.05 | 0.01 | 0.06 |
| S9604800 | P 0.2 | 22 | 23 | 75 | 84 | < | < | 3 | < | < | < | 11 | 18 | 98 | < | 24 | 41 | 421 | 13 | 11 | 1 | 1 | 0.03 | 1.51 | 0.13 | 2.60 | 0.46 | 0.03 | 0.01 | 0.04 |
| S9604900 | P 0.2 | 18 | 24 | 65 | 63 | < | < | 3 | < | < | < | 7 | 15 | 76 | < | 21 | 35 | 252 | 16 | 10 | < | 1 | 0.03 | 1.22 | 0.13 | 2.30 | 0.39 | 0.04 | 0.01 | 0.05 |
| S9605000 | P 0.5 | 29 | 31 | 129 | 52 | < | < | 2 | < | < | < | 11 | 26 | 103 | < | 18 | 29 | 430 | 19 | 15 | < | 2 | 0.03 | 0.97 | 0.23 | 2.39 | 0.39 | 0.05 | 0.01 | 0.07 |
| S9605100 | P 0.3 | 17 | 42 | 198 | 108 | < | < | 3 | < | < | < | 10 | 19 | 130 | < | 22 | 36 | 466 | 16 | 14 | < | 1 | 0.01 | 1.56 | 0.21 | 2.73 | 0.45 | 0.05 | 0.01 | 0.07 |
| S9704700 | P 0.2 | 21 | 19 | 33 | 290 | < | < | 3 | < | < | < | 10 | 22 | 111 | < | 24 | 37 | 357 | 15 | 13 | < | 1 | 0.03 | 1.36 | 0.15 | 2.61 | 0.47 | 0.05 | 0.01 | 0.04 |
| S9704800 | P 0.1 | 21 | 15 | 57 | 103 | < | < | 2 | < | < | < | 7 | 16 | 115 | < | 22 | 40 | 271 | 14 | 16 | < | 1 | 0.03 | 1.15 | 0.21 | 2.47 | 0.42 | 0.06 | 0.01 | 0.04 |
| S9704900 | P 0.1 | 16 | 16 | 59 | 17 | < | < | 4 | < | < | < | 8 | 16 | 83 | < | 22 | 43 | 276 | 12 | 9 | < | 1 | 0.03 | 1.37 | 0.09 | 2.55 | 0.41 | 0.04 | 0.01 | 0.04 |
| S9705000 | P 0.2 | 21 | 19 | 71 | 35 | < | < | 3 | < | < | < | 11 | 20 | 86 | < | 21 | 39 | 375 | 13 | 11 | < | 2 | 0.04 | 1.30 | 0.12 | 2.49 | 0.42 | 0.04 | 0.01 | 0.06 |
| S9705100 | P 2.0 | 20 | 22 | 141 | 91 | < | < | 3 | < | < | < | 8 | 21 | 107 | < | 20 | 29 | 408 | 16 | 17 | 1 | 1 | 0.02 | 1.23 | 0.29 | 2.25 | 0.41 | 0.03 | 0.01 | 0.06 |

ALPINE claims
 NTS # 115 P/15
 59705100
 Soil SAMPLE LINE STATION
 MAYO Mining District.

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Max Reported* 99.9 20000 20000 20000 9999 999 9999 999 999 9999 99.9 9999 9999 9999 999 9999 9999 9999 9999 9999 9999 9999 9999 9999 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
 Method ICP
 —No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m>1000 %=Estimate % NS=No Sample P=Pulp

01/15/2002 12:55 NORTHERN ANALYTICAL 18679936605 NO.376 P08



INTERNATIONAL PLASMA LABORATORY LTD.

Client : Northern Analytical Laboratories
Project: WD#00232

98 Samples
98-Pulp

CERTIFICATE OF ANALYSIS

OL 01J1201



Vancouver, B.C.
Canada V6E 3E1
Phone (604) 879-7878
Fax (604) 879-7898
Email ipl@direct.ca

[120116:20:18:10103101]

Out: Oct 31, 2001
In: Oct 24, 2001

Page 2 of 3
Section 1 of 1

| Sample Name | Ag ppm | Cu ppm | Pb ppm | Zn ppm | As ppm | Sb ppm | Hg ppm | Mo ppm | Tl ppm | Bi ppm | Cd ppm | Co ppm | Ni ppm | Ba ppm | W ppm | Cr ppm | V ppm | Mn ppm | La ppm | Sr ppm | Zr ppm | Sc ppm | Ti % | Al % | Ca % | Fe % | Mg % | K % | Na % | P % |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|------|------|------|------|------|------|------|------|
| S1154775 | P | < | 16 | 19 | 44 | < | < | < | 3 | < | < | 6 | 14 | 76 | < | 22 | 39 | 155 | 14 | 7 | 1 | 1 | 0.02 | 1.42 | 0.07 | 2.25 | 0.40 | 0.04 | 0.01 | 0.04 |
| S1154800 | P | < | 17 | 15 | 44 | < | < | < | 3 | < | < | 6 | 15 | 72 | < | 21 | 34 | 157 | 14 | 8 | < | 1 | 0.03 | 1.38 | 0.08 | 2.14 | 0.43 | 0.03 | 0.01 | 0.04 |
| S1154825 | P | < | 20 | 15 | 50 | < | < | < | 3 | < | < | 7 | 21 | 83 | < | 21 | 36 | 177 | 15 | 8 | < | 1 | 0.03 | 1.36 | 0.09 | 2.23 | 0.44 | 0.04 | 0.01 | 0.04 |
| S1154850 | P | < | 19 | 18 | 48 | < | < | < | 2 | < | < | 7 | 23 | 83 | < | 21 | 36 | 164 | 15 | 9 | 1 | 1 | 0.03 | 1.28 | 0.11 | 2.10 | 0.41 | 0.04 | 0.01 | 0.05 |
| S1154875 | P | < | 19 | 14 | 47 | < | < | < | 2 | < | < | 8 | 15 | 86 | < | 21 | 37 | 244 | 17 | 9 | < | 2 | 0.04 | 1.25 | 0.11 | 2.08 | 0.38 | 0.03 | 0.01 | 0.05 |
| S1154900 | P | < | 19 | 17 | 54 | < | < | < | 3 | < | < | 10 | 18 | 84 | < | 23 | 42 | 293 | 15 | 10 | < | 2 | 0.04 | 1.35 | 0.11 | 2.39 | 0.42 | 0.03 | 0.01 | 0.05 |
| S1164450 | P | < | 22 | 15 | 56 | < | < | < | 3 | < | < | 9 | 22 | 100 | < | 27 | 42 | 283 | 19 | 11 | < | 2 | 0.04 | 1.86 | 0.12 | 2.51 | 0.74 | 0.10 | 0.01 | 0.04 |
| S1164475 | P | < | 13 | 13 | 41 | < | < | < | 3 | < | < | 5 | 10 | 71 | < | 21 | 37 | 130 | 13 | 8 | < | 1 | 0.01 | 1.35 | 0.08 | 1.88 | 0.33 | 0.04 | 0.01 | 0.05 |
| S1164500 | P | < | 14 | 15 | 45 | < | < | < | 2 | < | < | 5 | 13 | 60 | < | 20 | 36 | 153 | 11 | 7 | < | 1 | 0.03 | 1.24 | 0.08 | 1.92 | 0.35 | 0.04 | 0.01 | 0.04 |
| S1164525 | P | < | 20 | 17 | 51 | < | < | < | 2 | < | < | 7 | 17 | 74 | 6 | 18 | 29 | 200 | 16 | 7 | 1 | 1 | 0.02 | 1.29 | 0.09 | 1.99 | 0.44 | 0.06 | 0.01 | 0.04 |
| S1164550 | P | < | 16 | 15 | 49 | < | < | < | 2 | < | < | 8 | 19 | 66 | < | 19 | 31 | 227 | 12 | 9 | 1 | 1 | 0.03 | 1.20 | 0.13 | 2.09 | 0.39 | 0.05 | 0.01 | 0.05 |
| S1164575 | P | < | 14 | 21 | 56 | < | < | < | 3 | < | < | 9 | 17 | 77 | < | 25 | 47 | 392 | 13 | 11 | 1 | 1 | 0.05 | 1.71 | 0.12 | 2.33 | 0.67 | 0.07 | 0.01 | 0.05 |
| S1164600 | P | < | 19 | 18 | 49 | < | < | < | 2 | < | < | 8 | 18 | 83 | < | 21 | 37 | 224 | 16 | 11 | < | 1 | 0.03 | 1.43 | 0.13 | 2.09 | 0.47 | 0.05 | 0.01 | 0.05 |
| S1164625 | P | 0.1 | 23 | 17 | 53 | < | < | < | 3 | < | < | 9 | 28 | 88 | < | 23 | 39 | 294 | 21 | 15 | 1 | 2 | 0.04 | 1.70 | 0.12 | 2.39 | 0.60 | 0.10 | 0.01 | 0.05 |
| S1164650 | P | < | 29 | 17 | 57 | < | < | < | 2 | < | < | 11 | 25 | 101 | < | 24 | 40 | 354 | 26 | 12 | 1 | 3 | 0.06 | 1.78 | 0.14 | 2.59 | 0.90 | 0.09 | 0.01 | 0.05 |
| S1164675 | P | < | 22 | 18 | 57 | < | < | < | 2 | < | < | 10 | 20 | 86 | < | 21 | 37 | 308 | 19 | 8 | 1 | 2 | 0.03 | 1.46 | 0.08 | 2.32 | 0.41 | 0.04 | 0.01 | 0.04 |
| S1164700 | P | < | 21 | 21 | 55 | < | < | < | 4 | < | < | 12 | 21 | 83 | < | 20 | 36 | 388 | 20 | 10 | 1 | 2 | 0.04 | 1.39 | 0.12 | 2.36 | 0.49 | 0.04 | 0.01 | 0.05 |
| S9004700 | P | 1.0 | 31 | 49 | 195 | 203 | < | < | 3 | < | < | 14 | 29 | 132 | < | 20 | 32 | 671 | 18 | 19 | 1 | 2 | 0.03 | 1.32 | 0.29 | 2.83 | 0.60 | 0.07 | 0.01 | 0.06 |
| S9004800 | P | 0.3 | 23 | 31 | 104 | 110 | < | < | 2 | < | < | 11 | 22 | 122 | < | 19 | 33 | 539 | 15 | 13 | < | 1 | 0.03 | 1.22 | 0.16 | 2.56 | 0.47 | 0.06 | 0.01 | 0.07 |
| S9004900 | P | 0.3 | 24 | 28 | 95 | 154 | < | < | 3 | < | < | 11 | 19 | 114 | < | 21 | 32 | 482 | 15 | 14 | < | 1 | 0.02 | 1.38 | 0.17 | 2.57 | 0.61 | 0.05 | 0.01 | 0.05 |
| S9005000 | P | 0.3 | 23 | 20 | 148 | 55 | < | < | 3 | < | < | 11 | 21 | 124 | < | 23 | 40 | 624 | 16 | 13 | < | 1 | 0.02 | 1.48 | 0.16 | 2.74 | 0.44 | 0.05 | 0.01 | 0.05 |
| S9005100 | P | 0.3 | 23 | 28 | 100 | 85 | < | < | 2 | < | < | 7 | 19 | 57 | < | 18 | 29 | 229 | 22 | 7 | < | 1 | 0.01 | 1.16 | 0.06 | 2.53 | 0.32 | 0.05 | 0.01 | 0.05 |
| S9104700 | P | 0.4 | 29 | 60 | 170 | 157 | < | < | 3 | < | < | 16 | 26 | 133 | < | 20 | 30 | 975 | 25 | 15 | 1 | 2 | 0.03 | 1.43 | 0.16 | 2.99 | 0.78 | 0.08 | 0.01 | 0.06 |
| S9104800 | P | 0.5 | 35 | 43 | 136 | 162 | < | < | 2 | < | < | 14 | 31 | 115 | < | 18 | 27 | 570 | 25 | 18 | < | 2 | 0.03 | 1.24 | 0.21 | 2.82 | 0.55 | 0.08 | 0.01 | 0.06 |
| S9104900 | P | < | 24 | 20 | 81 | 60 | < | < | 3 | < | < | 14 | 24 | 74 | < | 22 | 39 | 499 | 17 | 13 | < | 2 | 0.04 | 1.28 | 0.16 | 2.60 | 0.45 | 0.04 | 0.01 | 0.07 |
| S9105000 | P | 0.4 | 21 | 98 | 117 | 56 | < | < | 3 | < | < | 11 | 17 | 72 | < | 22 | 37 | 645 | 17 | 8 | < | 1 | 0.02 | 1.29 | 0.08 | 2.70 | 0.37 | 0.04 | 0.01 | 0.05 |
| S9105100 | P | 0.3 | 21 | 36 | 108 | 22 | < | < | 3 | < | < | 9 | 17 | 73 | < | 21 | 36 | 386 | 17 | 7 | < | 1 | 0.02 | 1.35 | 0.07 | 2.65 | 0.40 | 0.05 | 0.01 | 0.05 |
| S9204700 | P | 1.0 | 44 | 54 | 140 | 235 | < | < | 4 | < | < | 16 | 35 | 96 | < | 19 | 26 | 930 | 25 | 16 | 2 | 2 | 0.02 | 1.40 | 0.30 | 3.32 | 0.87 | 0.06 | 0.01 | 0.06 |
| S9204800 | P | 1.3 | 41 | 96 | 240 | 301 | < | < | 4 | < | < | 15 | 32 | 99 | < | 20 | 29 | 895 | 23 | 15 | 1 | 2 | 0.02 | 1.62 | 0.23 | 3.48 | 1.03 | 0.06 | 0.01 | 0.05 |
| S9204900 | P | 0.6 | 35 | 57 | 154 | 246 | < | < | 4 | < | < | 15 | 28 | 177 | < | 27 | 42 | 784 | 18 | 14 | < | 1 | 0.01 | 1.98 | 0.12 | 3.46 | 0.60 | 0.07 | 0.02 | 0.08 |
| S9205000 | P | 0.2 | 17 | 31 | 129 | 18 | < | < | 2 | < | < | 11 | 16 | 87 | < | 21 | 34 | 535 | 15 | 8 | < | 1 | 0.02 | 1.37 | 0.09 | 2.46 | 0.40 | 0.05 | 0.01 | 0.06 |
| S9205100 | P | 0.2 | 16 | 36 | 124 | 37 | < | < | 3 | < | < | 8 | 20 | 105 | < | 20 | 33 | 371 | 18 | 11 | < | 1 | 0.02 | 1.26 | 0.14 | 2.49 | 0.38 | 0.06 | 0.01 | 0.04 |
| S9304700 | P | 0.3 | 38 | 36 | 100 | 179 | < | < | 2 | < | < | 15 | 33 | 94 | < | 19 | 28 | 644 | 30 | 15 | 1 | 2 | 0.03 | 1.46 | 0.19 | 3.10 | 0.85 | 0.07 | 0.01 | 0.06 |
| S9304800 | P | 0.2 | 24 | 32 | 83 | 29 | < | < | 3 | < | < | 13 | 25 | 128 | < | 28 | 49 | 593 | 18 | 13 | < | 2 | 0.04 | 1.88 | 0.14 | 2.92 | 0.58 | 0.06 | 0.01 | 0.06 |
| S9304900 | P | 0.2 | 23 | 27 | 75 | 51 | < | < | 3 | < | < | 9 | 20 | 110 | < | 25 | 44 | 388 | 17 | 13 | < | 1 | 0.03 | 1.60 | 0.17 | 2.77 | 0.53 | 0.06 | 0.01 | 0.07 |
| S9305000 | P | 0.5 | 27 | 25 | 134 | 20 | < | < | 3 | < | < | 10 | 22 | 150 | < | 21 | 32 | 444 | 21 | 13 | 1 | 1 | 0.01 | 1.40 | 0.20 | 2.58 | 0.43 | 0.05 | 0.01 | 0.07 |
| S9305100 | P | 0.2 | 11 | 46 | 66 | 12 | < | < | 3 | < | < | 6 | 12 | 123 | < | 21 | 35 | 269 | 14 | 9 | < | 1 | 0.01 | 1.46 | 0.12 | 2.26 | 0.38 | 0.05 | 0.01 | 0.05 |
| S9404500 | P | 0.6 | 34 | 44 | 115 | 230 | < | < | 3 | < | < | 14 | 31 | 88 | < | 17 | 24 | 556 | 21 | 17 | 1 | 2 | 0.02 | 1.21 | 0.22 | 3.00 | 0.64 | 0.06 | 0.01 | 0.05 |
| S9404600 | P | 0.3 | 39 | 27 | 116 | 52 | < | < | 2 | < | < | 15 | 35 | 56 | < | 16 | 21 | 703 | 33 | 11 | 3 | 2 | 0.02 | 1.14 | 0.20 | 3.18 | 0.83 | 0.06 | 0.01 | 0.06 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|------|-------|-------|-------|------|-----|------|-----|-----|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Min Limit | 0.1 | 1 | 2 | 1 | 5 | 5 | 3 | 1 | 10 | 2 | 0.1 | 1 | 1 | 2 | 5 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Max Reported* | 99.9 | 20000 | 20000 | 20000 | 9999 | 999 | 9999 | 999 | 999 | 9999 | 99.9 | 9999 | 9999 | 9999 | 999 | 9999 | 9999 | 9999 | 9999 | 9999 | 9999 | 9999 | 1.00 | 9.99 | 9.99 | 9.99 | 9.99 | 9.99 | 5.00 | 5.00 |
| Method | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP |

—No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=RecCheck m=x1000 %-Estimate % NS=No Sample P=Pulp

01/15/2002

12:55

NORTHERN ANALYTICAL → 18679936605

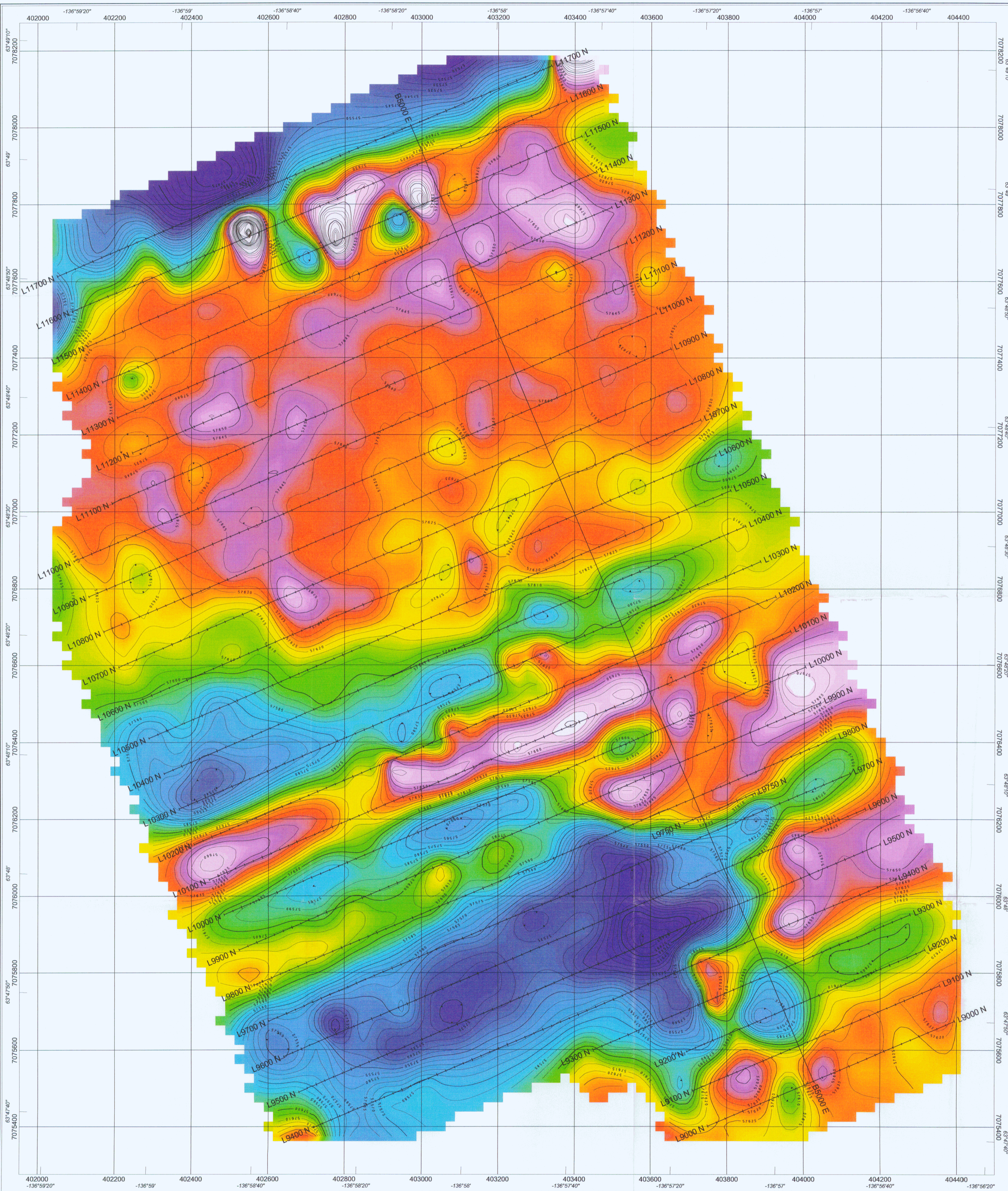
NO. 376

P07

Costs associated with this report have been
approved in the amount of \$ 21,000
for assessment credit under Certificate of
Work No. Q100379-401



Mining Recorder
Mayo Mining District



LEGEND
TOTAL FIELD MAGNETICS

CONTOUR INTERVALS (nT)

| |
|-----|
| 5 |
| 25 |
| 100 |

REFERENCE FIELD : 60,000 nT

INSTRUMENT : ?

GRIDDING ALGORITHM : GEOSOFT RANGRID

GRID CELL SIZE : 25 m

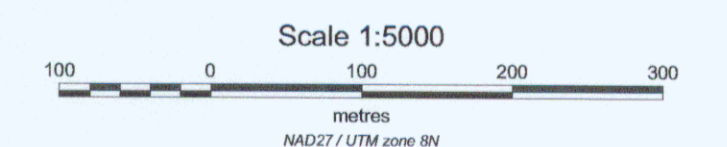
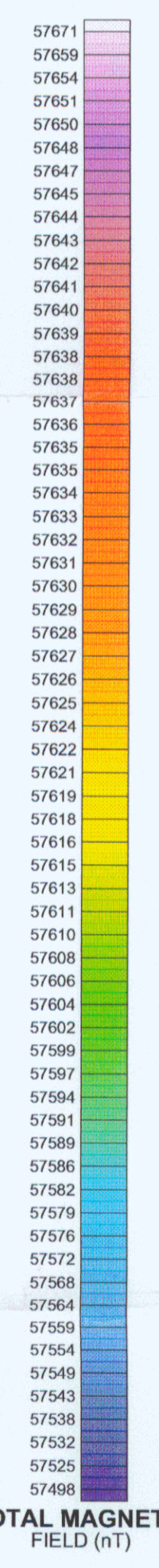
GRID HANNING FILTER : 1 PASS(ES)

DATA FILE : ALPINE.GDB

OPERATORS : SR

STATION SEPARATION : 25.0 m

LINE-KM SURVEYED THIS SHEET : 43.825 km



YUKON ENERGY, MINES
& RESOURCES LIBRARY
PO Box 2705
Whitehorse, Yukon Y1A 2C8

SHAWN RYAN
ALPINE PROJECT
TOTAL MAGNETIC FIELD CONTOURS
MAYO MINING DISTRICT, YUKON
NTS : 115 P/15
DATE SURVEYED : AUGUST, 2001
CLAIM(S) : ALPINE CLAIMS
MAP NAME (DATE / DRAWN BY) : ranalpine.MAP (02-01-11JR)
AURORA GEOSCIENCES LTD.

004401