MAP NO.:	ASSESSMENT REPORT	X	DOCUMENT NO:	092594
	PROSPECTUS		MINING DISTRICT:	Dawson
115 N 15	CONFIDENTIAL	X	TYPE OF WORK:	Geochemical
	OPEN FILE			

REPORT FILED UNDER: Aurum Geological Consultants Inc.

DATE PERFORMED:	22 September, 1988	**DATE FILED:**	9 December, 1988
LOCATION: LAT.:	63 59'N	**AREA:**	Sixtymile River
LONG.:	140 ° 55'W	**VALUE $:**	1800.00

CLAIM NAME & NO.: MM 1-18 (YA88208-25)

WORK DONE BY: H.J. Keyser

WORK DONE FOR: L. Mollot

DATE TO GOOD STANDING:

REMARKS: #87 MOLY The 1988 program followed up the 1987 discover of a 1 m wide quartz-carbonate vein which assayed 992.5 g/t Ag. 42 soil and 10 rock samples were analysed for 31 elements. Soil samples in the area of the discovery vein returned up to 3.3 g/t Ag and high Rb/Sr ratios in the anomalous area suggest the presence of potassic alteration.

Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

072574

OFFICE OF THE REGIONAL MANAGER MINERAL RIGHTS DEC 14 1988 WHITEHORSE YUKON TERRITORY

M.R. file no. Qtz Pending
R.M.M.R. file no.
Date forwarded 12 Dec 88

TRANSMITTAL FORM

From ▶ Mining Recorder at: Dawson

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☐ DIAMOND DRILL LOGS — Claims — Claim sheet no.
- ☑ QUARTZ ASSESSMENT REPORT — Claims: MM 1-18 — Claim sheet no.

OWNER: Lorne Mollot

Type of report: Geological/Chemical
Submitted by: Aurum Geological
Cls. work performed on: MM 1-18 YA88208-225
$ req. for ren. application: 1800 00

Signature

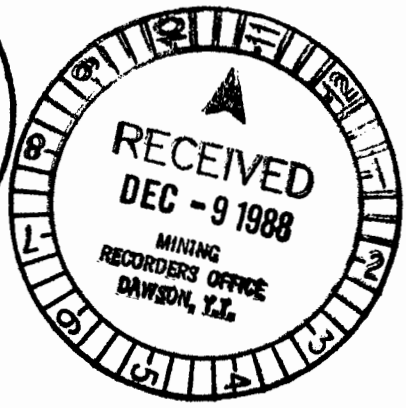
Date returned 15 Dec. 1988

REPLY ACTION

Approved for amount required

Signature

802-6027-26 (6-86)



REPORT ON THE 1988 GEOLOGICAL AND GEOCHEMICAL ASSESSMENT WORK ON THE MM 1-18 CLAIMS

Dawson M.D., Yukon
September 22, 1988

Claims: MM 1-18 (YA 88208-225)

Location: 1. 70 km west of Dawson, Yukon
2. NTS Sheet 115 N/15
3. Latitude 63° 58.5′ N
Longitude 140° 55′ W

For: **Mr. Lorne A. Mollot**
24 Nelson Road
Aylmer, Quebec
J9H 1G8

By: Harmen J. Keyser, B.Sc., FGAC
Aurum Geological Consultants Inc.
604-675 West Hastings Street
Vancouver, B.C.
V6B 1N2

November 25, 1988

092594

SUMMARY

The MM 1-18 claims consist of eighteen contiguous mineral claims in the Dawson Mining District, Yukon. Access is by road from Sixtymile River.

Exploration work completed in 1988 consisted of geological mapping, prospecting, and geochemical sampling. The property is underlain by Precambrian quartzites, schists, and gneisses with Cretaceous volcanic rocks known nearby. Previous work has identified a series of northwest-trending sulfide-free quartz veins carrying up to 992.5 g/t silver. Although the current work could not reproduce any anomalous silver values in rock samples, soil samples returned anomalous results of up to 3.3 ppm silver. In addition, soil is anomalous in rubidium (up to 812 ppm with a Rb/Sr ratio up to 112) which is thought to be indicative of hydrothermal alteration.

Based on these inconclusive results, a program of geological mapping and geochemical sampling is warranted and recommended to (1) address the possible silver mineralization, and (2) explore the remainder of the property.

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Appendix

Rock Sample Descriptions
Analytical Reports

1. INTRODUCTION

1.1 Terms of Reference

This report was prepared at the request of Mr. Lorne Mollot, owner of the MM 1-18 mineral claims. Its purpose is to assess the economic potential of the property through a description of the 1988 geological and geochemical assessment work carried out by Steven Dudka, B.Sc. and Adrian Cormier of Aurum Geological Consultants Inc. on September 22, 1988. The work was conducted as follow-up on anomalous silver and gold values identified in 1987.

1.2 Location and Access

The property is located in west-central Yukon, about 70 kilometers west of Dawson (Figure 1) near the headwaters of Bedrock Creek, a tributary to Sixtymile River. Access is by 4WD trail from a seasonally active placer gold mining operation at lower Bedrock Creek, which in turn can be reached by gravel road from Dawson.

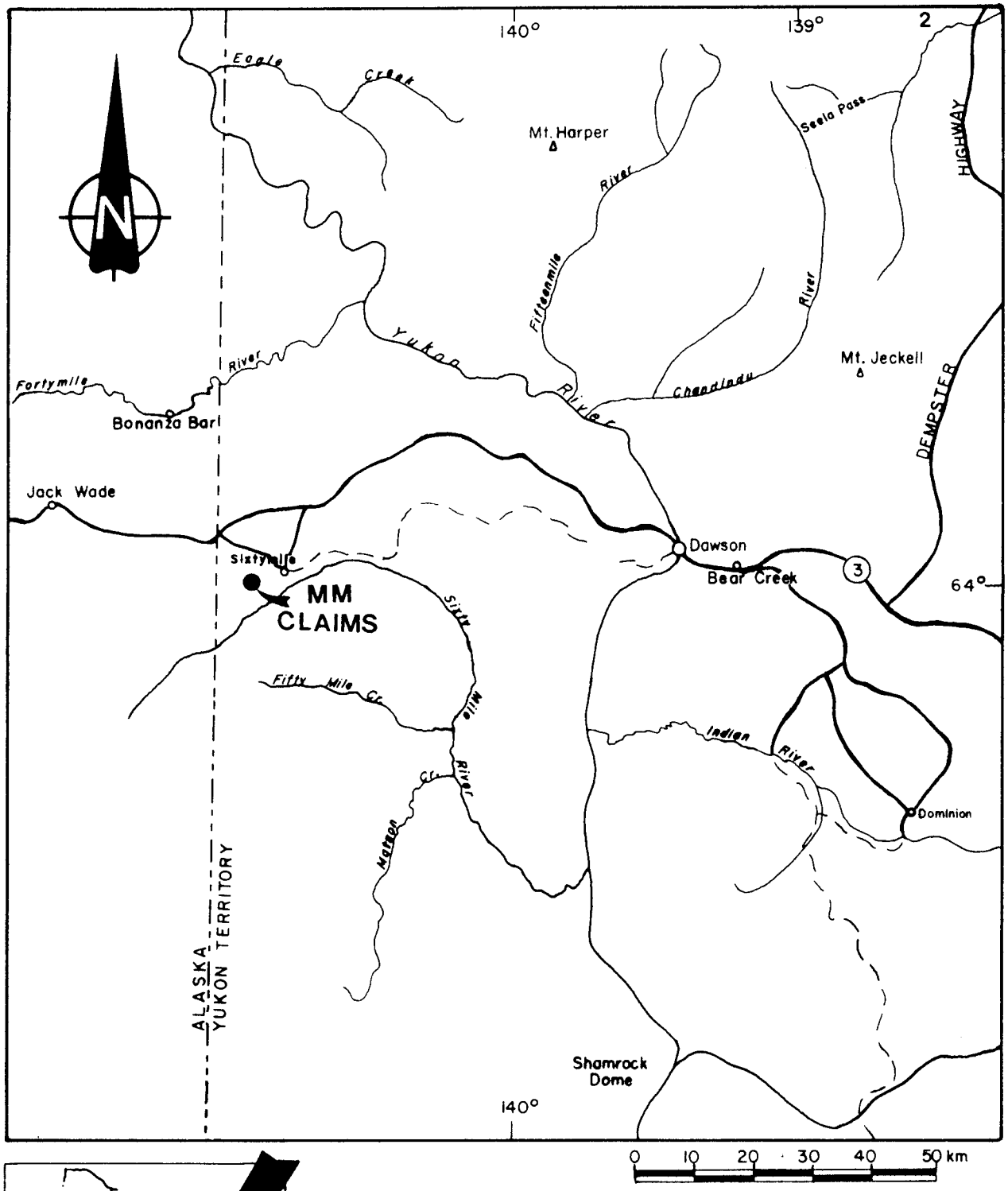
1.3 Property

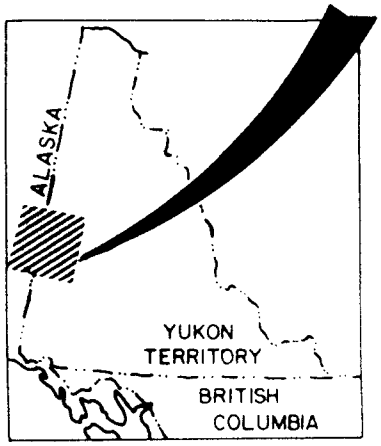
The MM claims consist of 18 contiguous unsurveyed mineral claims (Figure 2) covering approximately 376 hectares staked according to the Yukon Quartz Mining Act in the Dawson Mining District, Yukon. Claim data are as follows:

Claim Name	Grant No's	Recording Date	Expiry Date*
MM 1-18	YA 88208-225	Oct. 9, 1986	Oct. 9, 1989

* pending approval of 1988 assessment work.

The claims are shown on Yukon Quartz Sheet 115-N-15 and are known collectively as the MM claims.

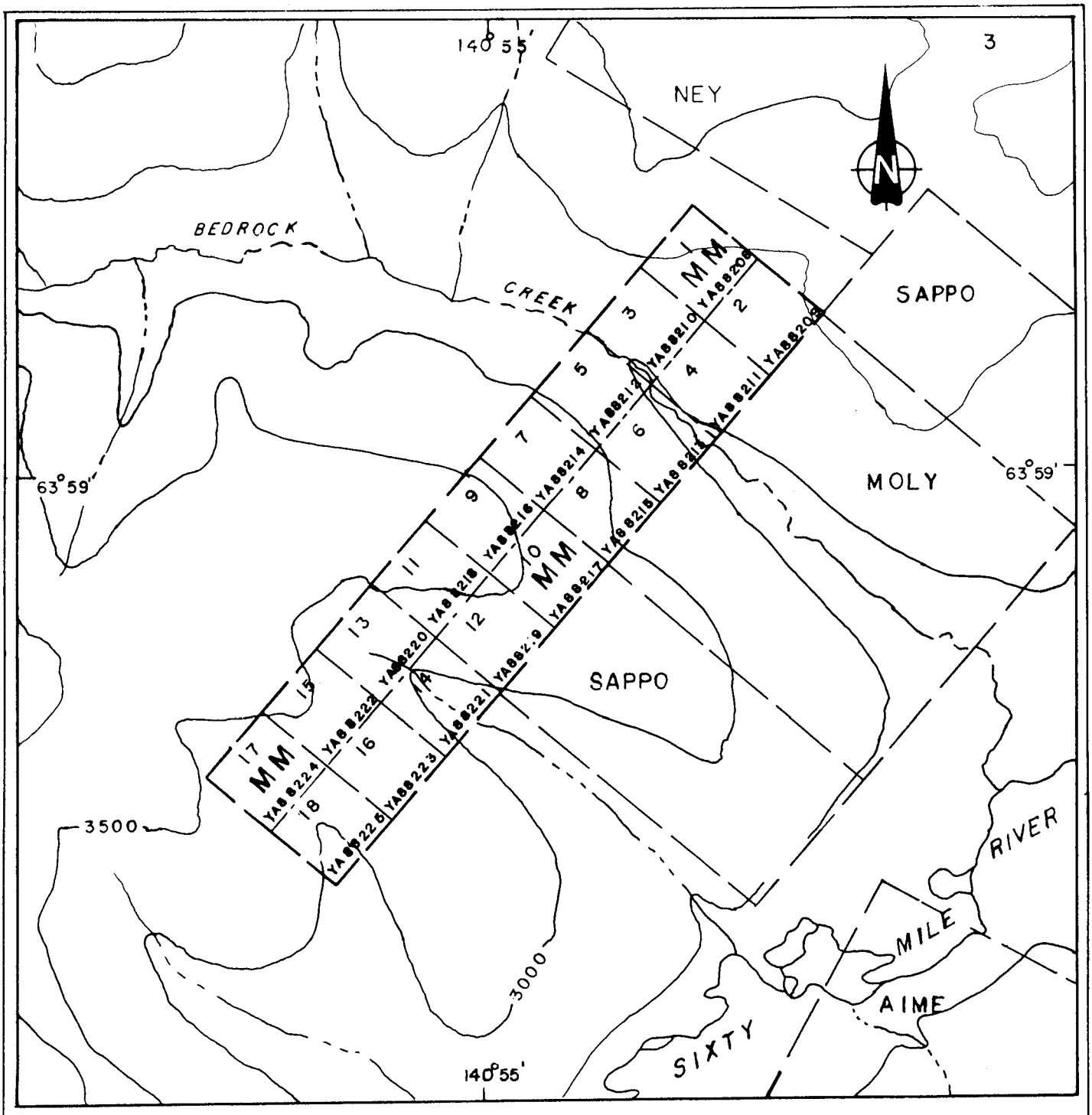




MM CLAIMS

LOCATION

Aurum Geological Consultants Inc.			November, 1988
Drawn by G.S.	Checked by H.K.	Scale 1:1,000,000	FIGURE 1



LEGEND

12 — claim number

claim boundary

YAS 8211 — tag number

river

creek

3000 — elevation contour; interval 500 ft

Note - adapted from D.I.A.N.D claim map sheet 115N - 15

500m 0 500 1000m

SCALE IN METERS

MM CLAIMS

CLAIM MAP

Ajrum Geological Consultants Inc.			November, 1988
NTS 115N/15	DRAWN BY GS	SCALE 1:31,680	FIGURE 2

1.4 History

Placer gold was first discovered in the Sixtymile River area in 1892 by miners crossing the divide from the Fortymile goldfields in Alaska (Cockfield 1921). Recorded production for the periods 1892 to 1917 and 1978 to 1984 total 177,038 ounces gold (Cockfield 1921, and Debicki and Gilbert 1986). Records are not available for the period 1918 to 1977, although significant placer mining took place. There are no known lode gold deposits in the area.

Vein-type silver-lead mineralization was first discovered in the Sixtymile River area in the early 1900's by prospectors looking for a source of the rich placer gold deposits. A number of major exploration programs have been carried out in the Sixtymile River area directed at the silver-lead mineralization, and also as exploration for the source of placer gold and cinnabar. No known ore bodies have yet been defined.

In 1987 Aurum Geological Consultants Inc. completed a reconnaissance exploration program on the MM claims, during which a one meter wide quartz-carbonate vein assaying 992.5 g/t silver was identified (Keyser 1987). There are no other records of previous exploration work or mineral discoveries on ground now covered by the MM claims.

1.5 Physiography

Situated in the northern part of the unglaciated Dawson Range, topography is moderate and is characterized by well developed dendritic drainages separated by broad grass covered ridges. Elevations on the property range from 760 meters (2500 feet) to 1150 meters (3800 feet) above sea level.

The climate in the area of the MM claims is variable, with hot summers and long, cold winters. The ground is permanently frozen. Precipitation amounts to about 50 cm annually.

2. GEOLOGY

2.1 Regional Geology

The MM claims area is situated within the Yukon Cataclastic Complex in the northern part of the Omineca Tectonic Belt. The presence of ultramafic bodies in the property area infers a zone of deep crustal weakness favorable for the generation of hydrothermal-related precious metal deposits. Regional geology has been described previously by Cockfield (1921), Tempelman-Kluit (1974 and 1979), and Green (1972). Because the region escaped Pleistocene glaciation, bedrock is deeply weathered and outcrops are rare.

The oldest rocks exposed in the Sixtymile River area are the Pelly Gneiss, Klondike Schist, and Nasina Quartzite which are accreted rocks of upper Proterozoic to lower Paleozoic age. These metamorphic rocks have been locally intruded by Mesozoic granitoid rocks.

Cretaceous (Lowey et al 1986) to Tertiary (Templeman-Kluit 1974) basaltic to rhyolitic volcanics, quartz feldspar porphyries, diorite plugs, and related siliclastic sediments of the Carmacks Group are exposed at several areas in the Sixtymile River area. Brecciated porphyry intrusive centers related to similar rocks in the Mt. Nansen area, about 270 km to the southeast, host significant low grade high-tonnage gold deposits partly in leached caps overlying porphyry copper deposits. In addition, a number of high grade gold-silver bearing vein-type deposits in the Mt. Nansen-Mt. Freegold area are closely associated with felsic dike emplacement related to Cretaceous-Tertiary volcanism.

Regional structure is highly influenced by the Tintina Fault, a steeply dipping, northwest trending dextral fault mapped 35 km northeast of the MM claims. This fault is thought to be age-equivalent to the Carmacks Group and forms the boundary between the Selwyn Basin to the northeast and

the Yukon Cataclastic Complex to the southwest. Lineal recessive weathering features in the MM claims area, including the northeast trending part of the Sixtymile River valley, are often interpreted as faults.

2.2 Geology of the MM 1-18 Claims

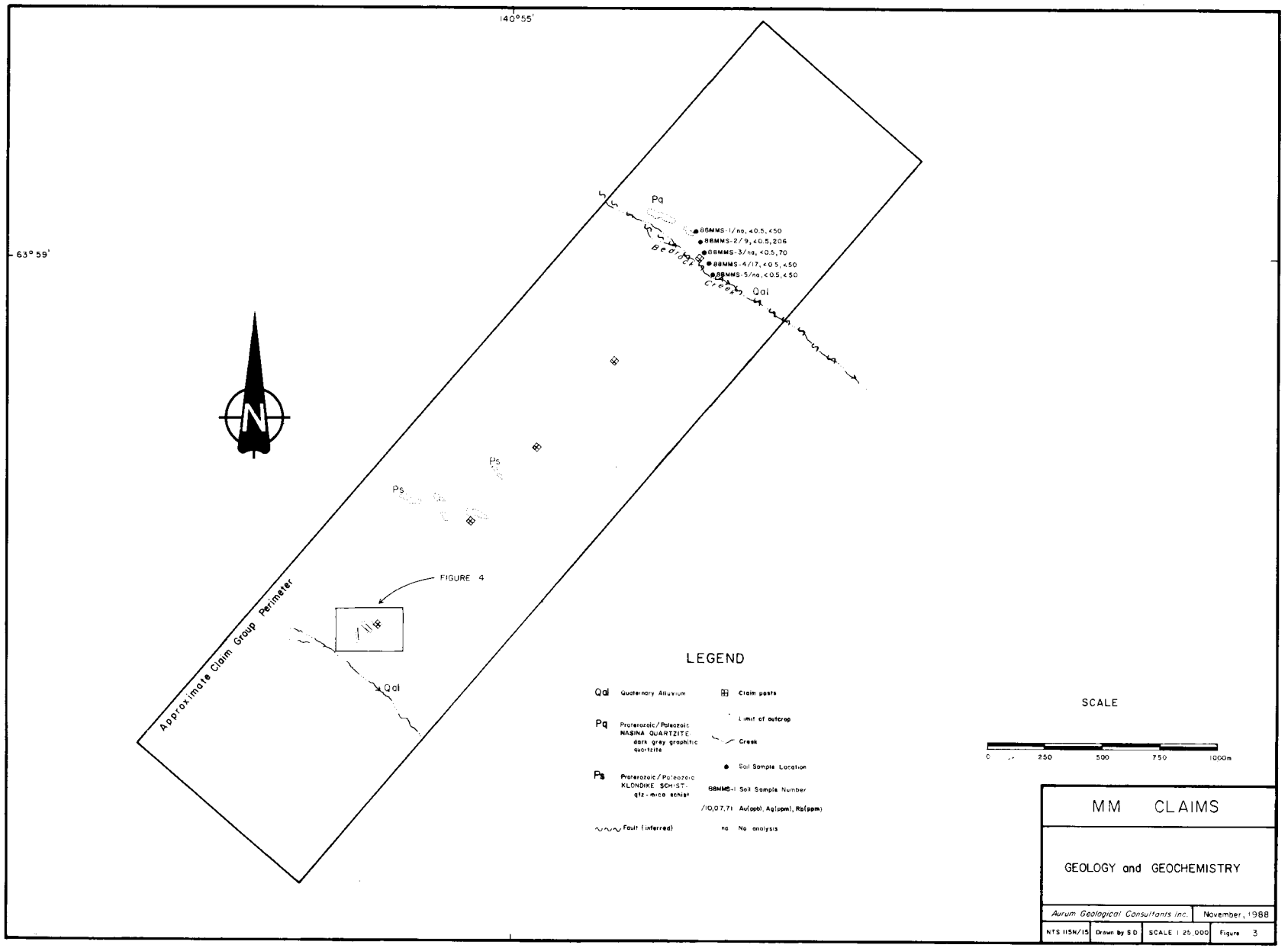
Reconnaissance geological mapping (Figure 3) on the MM claims completed in 1987 and 1988 has identified outcrops of hornblende-muscovite-garnet schist and granitic gneiss of the Klondike Schist (map unit Ps) southwest of Bedrock Creek, and grey graphitic quartzite of the Nasina Quartzite (map unit Pq) to the northeast. Bedrock Creek is thought to be incised into a steeply dipping fault separating these two lithologies.

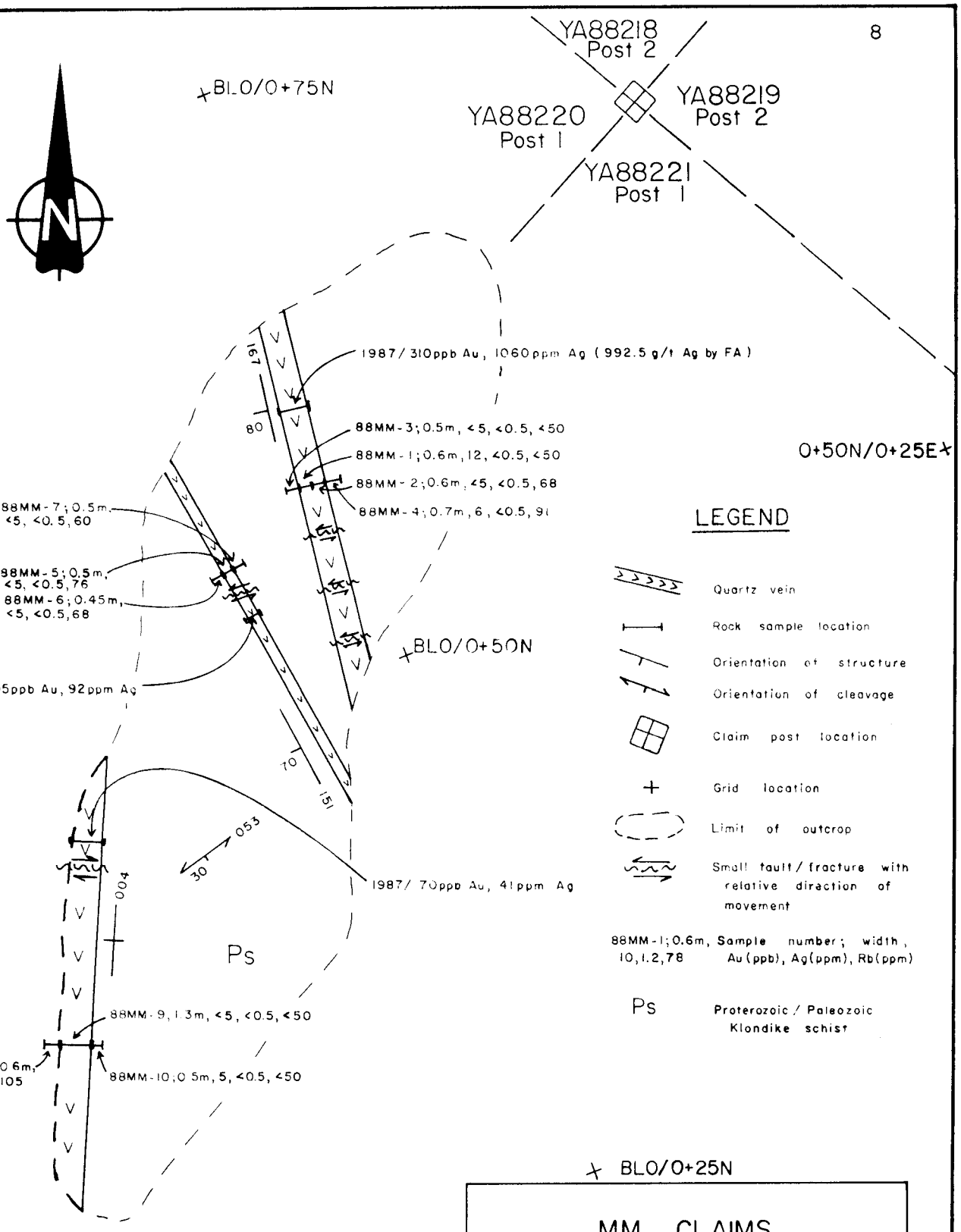
No evidence has been found for rocks younger than the Proterozoic to Paleozoic metasediments on the MM claims.

2.3 Mineralization

Prospecting and mapping completed on the MM claims in 1987 (Keyser 1987) identified a series of north to northwest trending, sulfide-free, quartz and quartz-carbonate veins hosted in quartz-mica schist at the Post Showing (Figure 4). A one meter chip sample from one of the veins returned 992.5 g/t silver (by fire assay), 310 ppb gold, 1140 ppm copper, and background values for lead, zinc, molybdenum, and mercury.

Follow-up work completed in 1988 consisted mostly of re-evaluating these results through additional geological mapping and geochemical sampling. None of the anomalous gold, silver, and copper results could be duplicated; the highest 1988 rock values were 12 ppb gold, <0.5 ppm silver, and 155 ppm copper.


140°55'
63°59'
Pq
88MMS-1/na, <0.5, <50
88MMS-2/9, <0.5, 206
88MMS-3/na, <0.5, 70
88MMS-4/17, <0.5, <50
88MMS-5/na, <0.5, <50
Beaver Creek
Qal
Ps
Ps
FIGURE 4
Approximate Claim Group Perimeter
Qal
LEGEND
Qal Quaternary Alluvium
Pq Proterozoic/Paleozoic NASINA QUARTZITE dark grey graphitic quartzite
Ps Proterozoic/Paleozoic KLONDIKE SCHIST qtz-mica schist
Fault (inferred)
Claim posts
Limit of outcrop
Creek
Soil Sample Location
88MMS-1 Soil Sample Number
/10,0.7,71 Au(ppb), Ag(ppm), Rb(ppm)
na No analysis
SCALE
0
250
500
750
1000m
MM CLAIMS
GEOLOGY and GEOCHEMISTRY
Aurum Geological Consultants inc.
November, 1988
NTS 115N/15
Drawn by S.D.
SCALE 1:25,000
Figure 3



MM CLAIMS

POST SHOWING
Geology and Geochemistry

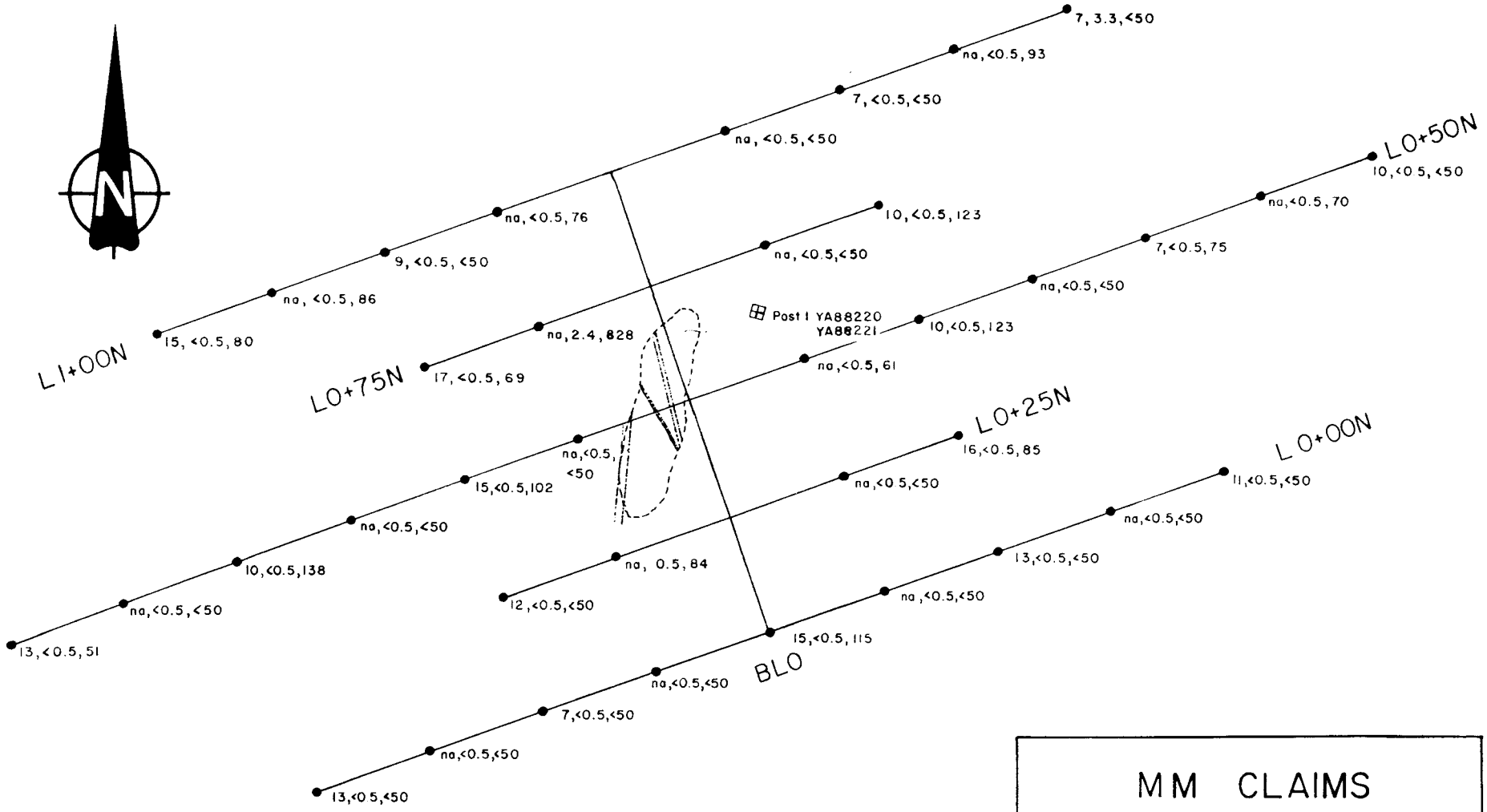
Aurum Geological Consultants Inc.			November, 1988
NTS 115N/15	Drawn by S.D.	SCALE 1: 250	Figure 4

3. GEOCHEMISTRY

A total of 42 conventional 'B' horizon soil samples and 10 rock samples were collected on the MM claims during the 1988 exploration program. All of the samples were analyzed by plasma emission spectrophotometry for 31 elements including total silver, arsenic, barium, chromium, copper, molybdenum, lead, rubidium, antimony, strontium, tungsten, and zinc content by Bondar-Clegg & Company Ltd. of North Vancouver, B.C.; half of the soil samples and all of the rock samples were also analyzed for gold by fire assay and atomic absorption.

In soil samples, gold ranged up to 17 ppb, silver to 3.3 ppm, barium to 325 ppm, chromium to 89 ppm, copper to 70 ppm, lead to 22 ppm, rubidium to 828 ppm, strontium to 49 ppm, and zinc to 86 ppm. All arsenic, molybdenum, antimony, and tungsten values were at or below detection limits. There is clearly an enrichment of silver and rubidium in the 1988 soil samples collected in the area of the anomalous 1987 silver in rock values at the Post Showing (Figure 5). In addition, gold is slightly enriched in soil (up to 17 ppm) on the northeast side of Bedrock Creek where a single 1987 rock sample returned 30 ppb gold and 8.1 ppm silver.

Rubidium can be associated with potassium in magmatic or hydrothermal fluids during potassic alteration (Armbrust et al 1977). Anomalous rubidium in soil on the MM claims therefore is indicative of deep seated hydrothermal alteration. The Rb/Sr ratio in two of the samples exceeds 50 with a high of 118, which coincides with a 2.4 ppm silver anomaly. Similar ratios have been reported by Plimer and Elliott (1979) at several hydrothermal gold, exhalative sulfide, and tungsten-molybdenum-bismuth deposits. Relationships between silver and rubidium content, and Rb/Sr ratios, are shown graphically on Figure 6.



LEGEND

- Soil sample location
- Limit of outcrop
- Quartz vein
- 10, 1.1, 31 Au(ppb), Ag(ppm), Rb(ppm)
- na No analysis

SCALE

0 25 50 75m

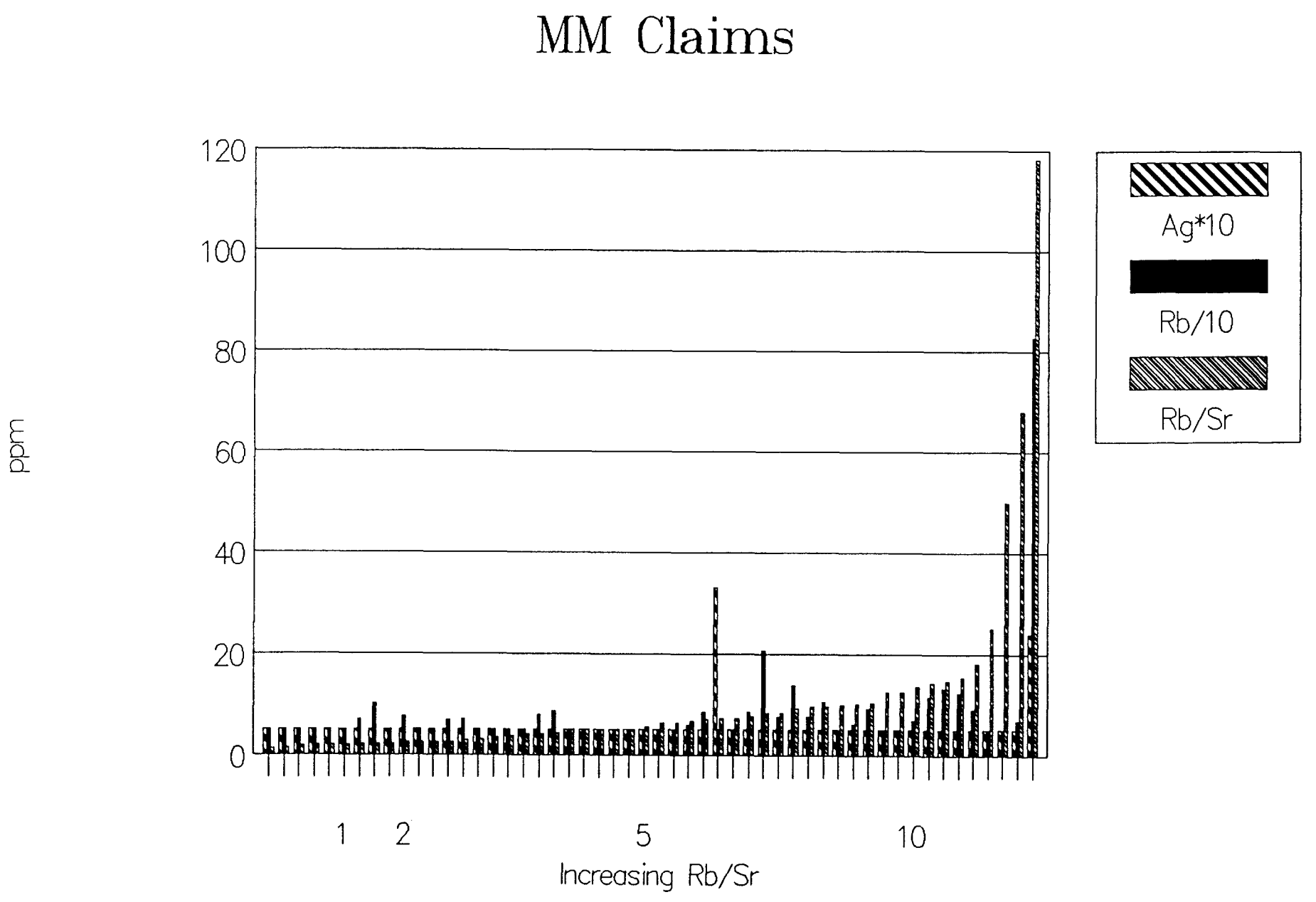
MM CLAIMS

GRID GEOCHEMISTRY

Aurum Geological Consultants Inc.			November, 1988
NTS 115N/15	Drawn by S.D.	Scale 1:1250	FIGURE 5

10

Figure 5. Comparison of Rb, Sr, and Ag.



Rock samples ranged up to 12 ppb gold, 75 ppm barium, 261 ppm chromium, 155 ppm copper, 13 ppm lead, 105 ppm rubidium, and 11 ppm strontium. All silver, arsenic, molybdenum, antimony, and tungsten values were at or below detection limits. Although none of these values are considered to be anomalous, the average chromium content in rock is significantly higher than in soil. Conversely, barium and strontium are relatively enriched in soil. Lead, zinc, molybdenum, arsenic, and antimony values have consistently been low.

4. CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

The MM claims are underlain by Precambrian quartzite, schist, and gneiss with Cretaceous granitoid and volcanic rocks mapped in the immediate area. The claims lie within the presumed source area for placer gold deposits at Bedrock Creek and Sixtymile River. The geologic setting is interpreted as suitable for hosting structurally controlled precious metal deposits.

Anomalous silver, copper and gold values in sulfide-free quartz-carbonate veins discovered as part of the 1987 exploration program could not be reproduced by the 1988 sampling using a different laboratory and different analytical techniques. However, soil samples taken in the immediate area returned up to 3.3 ppm silver which is indicative of nearby bedrock silver mineralization. In addition, unusually high concentrations of rubidium and a high Rb/Sr ratio in soil samples taken from the same area are suggestive of potassic alteration, which is frequently associated with hydrothermal mineral deposits. There is a possibility that the silver could not be reproduced due to analytical errors or erratic silver mineralization. Both the 1987 and 1988 rock sample results from the Post Showing are therefore inconclusive.

Structurally controlled mineralization in the area of Bedrock Creek is indicated by a single soil sample weakly anomalous in gold. A rock sample collected from this same area in 1987 returned 30 ppb gold and 8.1 ppm silver.

4.2 Recommendations

Based on results of the 1987 and 1988 exploration programs, further work is warranted on the MM claims. The following work is recommended:

1. Carry out more geological mapping, sampling, and prospecting over the entire claim group. Special attention must be paid to structure and alteration.

2. Detailed mapping and sampling, and possible trenching, should be conducted at the Post Showing to address the possibility of silver mineralization. In addition, work should be carried out over the immediate Bedrock Creek area to explore for potential mineralization associated with an interpreted fault there. Given prior non-reproducibilities of precious metal analyses, large sample volumes (both at the field and laboratory stages) and fire assays for precious metals are required.

3. Any further work (geophysics, road building, etc.) is contingent on results of the above program.

Respectfully submitted,

November 25, 1988

Harmen J. Keyser, B.Sc., FGAC

GEOLOGICAL ASSOCIATION OF CANADA
HARMEN J. KEYSER
FELLOW

5. REFERENCES

Armbrust, G.A., J. Oyarzun, and J. Arias; 1977:
Rubidium as a Guide to Ore in Chilean Porphyry Copper Deposits. Economic Geology, vol. 72, p. 1086-1100.

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Geology and Mineral Deposits of Southern Yukon. **In** Yukon Geology and Exploration 1979-80. D.I.A.N.D., p. 7-31.

6. STATEMENT OF QUALIFICATIONS

I, HARMEN J. KEYSER, hereby certify that:

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., 604-675 West Hastings Street, Vancouver, British Columbia.

2. I am a graduate of Saint Mary's University, with a degree in geology (B.Sc., 1981), and have been involved in geology and mineral exploration continuously since 1978.

3. I am a Fellow of the Geological Association of Canada (F3759), and a member of the Yukon Professional Geoscientists Society.

4. I am the author of this report on the MM claims, which is based on my personal examination of the property on October 2, 1987, and on 1988 fieldwork carried out under my supervision.

5. This report is intended to satisfy assessment requirements only.

November 25, 1988

Harmen J. Keyser, B.Sc., FGAC

7. STATEMENT OF COSTS

Geological and Geochemical Assessment Work Valuation; MM Claims.

A. Fieldwork

S. Dudka, B.Sc. of Vancouver, B.C.; 1.5 days @ 200.00:	$ 300.00
A. Cormier, Assistant of Whitehorse, Yukon; 1.5 days @ 160.00:	240.00
4WD Truck Rental:	125.00
Gas:	45.00
Sample Bags, Flagging Tape, etc.:	25.00
Meals and Accommodations:	180.00

B. Analytical Costs

Bondar-Clegg & Company Ltd.:	707.20

C. Report Preparation

Data Compilation and Report Writing; 1.5 days @ 150.00:	225.00
Reprographics:	112.91
Drafting and Typing:	200.00
Total Valuation of 1988 Assessment Work:	**$ 2160.11**

APPENDIX

AURUM GEOLOGICAL CONSULTANTS INC. Rock Sample Location and Description Record P. 1

Date: Sept. 22, 1988 Project: MM Claims NTS: 115 N/15 Area: Bedrock Creek, Yukon Sampler: SD

Sample No	Location	Description	Attitude	Width	Au ppb	Ag ppm	Pb ppm	Cu ppm
88MM-1	Vein #1 (site of 1987 sample MMR-1); west half of vein. Post Showing.	Vein exposed over~10m length; 1.2m wide total; rusty and goethite coated fractures; vuggy milky quartz; wallrock is highly chloritized schist.	167/80 W	0.6m; cont. chip	12	0.5	10	14
88MM-2	Vein #1 (site of 1987 sample MMR-1); east half of vein.	As above.	167/80 W	0.6m; cont. chip	5	0.5	10	7
88MM-3	Vein#1; west side wallrock	Green schist cut by minor quartz veinlets		0.5m cont. chip	5	0.5	10	155
88MM-4	Vein #1; east side wallrock	As above		0.7m; cont. chip	6	0.5	10	51
88MM-5	Vein #2; west side wallrock; (site of 1987 sample MMR-2).	Vein exposed over ~3m length; 0.45m wide in total; rusty and goethite coated fractures; vuggy milky quartz; wallrock is highly chloritized schist.		0.5m; cont. chip	5	0.5	13	29
88MM-6	Vein #2	As above	331/70 W	0.45m; cont. chip	5	0.5	10	12
88MM-7	Vein #2; east side wallrock	Highly chloritized schist cut by quartz veinlets		0.5m cont. chip	5	0.5	10	89

AURUM GEOLOGICAL CONSULTANTS INC. Rock Sample Location and Description Record P. 2

Date: Sept. 22, 1988 Project: MM Claims NTS: 115 N/15 Area: Bedrock Creek, Yukon Sampler: SD

Sample No	Location	Description	Attitude	Width	Au ppb	Ag ppm	Pb ppm	Cu ppm
88MM-8	Vein #3; west side wallrock	Highly chloritized schist cut by quartz veinlets		0.6m cont. chip	5	0.5	10	39
88MM-9	Vein #3; (site of 1987 sample MMR-3)	As vein #1 and #2; length exposed is ~20m; total width is 1.3m.	004/vert.	1.3m cont. chip	5	0.5	10	7
88MM-10	Vein #3; east side wallrock	Highly chloritized schist cut by quartz veinlets.		0.5m cont. chip	5	0.5	10	73

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-08657.0 (COMPLETE)

REFERENCE INFO:

CLIENT: AURUM GEOLOGICAL CONSULTANTS INC.
PROJECT: 2702-MM

SUBMITTED BY: H. KEYSER
DATE PRINTED: 24-OCT-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	31	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Ag	Silver	52	0.2 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
3	As	Arsenic	52	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
4	B	Boron	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
5	Ba	Barium	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
6	Be	Beryllium	52	0.5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
7	Bi	Bismuth	52	2 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
8	Cd	Cadmium	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
9	Ce	Cerium	52	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
10	Co	Cobalt	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
11	Cr	Chromium	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
12	Cu	Copper	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
13	Ga	Gallium	52	2 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
14	La	Lanthanum	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
15	Li	Lithium	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
16	Mo	Molybdenum	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
17	Nb	Niobium	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
18	Ni	Nickel	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
19	Pb	Lead	52	2 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
20	Rb	Rubidium	52	20 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
21	Sb	Antimony	52	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
22	Sc	Scandium	52	1.0 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
23	Sn	Tin	52	20 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
24	Sr	Strontium	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
25	Ta	Tantalum	52	10 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
26	Te	Tellurium	52	10 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
27	Tl	Thallium	52	10 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
28	V	Vanadium	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
29	W	Tungsten	52	10 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
30	Y	Yttrium	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
31	Zn	Zinc	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
32	Zr	Zirconium	52	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC

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Geochemical Lab Report

REPORT: V88-08657.0 (COMPLETE)

REFERENCE INFO:

CLIENT: AURUM GEOLOGICAL CONSULTANTS INC.
PROJECT: 2702-MM

SUBMITTED BY: H. KEYSER
DATE PRINTED: 24-OCT-88

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	42	1 -80	42	DRY, SIEVE -80	42
R ROCK OR BED ROCK	10	2 -150	10	CRUSH,PULVERIZE -150	10

REPORT COPIES TO: AURUM GEOLOGICAL
L. MOLLOT

INVOICE TO: AURUM GEOLOGICAL

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM
S1 BL 0+00N		15	<0.5	<50	<2	71	<4.0	<5	<1	8	4	18
S1 BLON 0+25E			<0.5	<50	<2	120	<4.0	<5	<1	35	11	29
S1 BLON 0+50E		13	<0.5	<50	<2	149	<4.0	<5	<1	27	8	21
S1 BLON 0+75E			<0.5	<50	<2	134	<4.0	<5	<1	22	7	17
S1 BLON 1+00E		11	<0.5	<50	<2	116	<4.0	<5	<1	43	9	31
S1 BLON 0+25W			<0.5	<50	<2	148	<4.0	<5	<1	6	14	52
S1 BLON 0+50W		7	<0.5	<50	<2	121	<4.0	<5	<1	15	15	89
S1 BLON 0+75W			<0.5	<50	<2	273	<4.0	<5	<1	37	19	42
S1 BLON 1+00W		13	<0.5	<50	<2	283	<4.0	<5	<1	32	20	53
S1 BL 0+25N 0+25E			<0.5	<50	<2	68	<4.0	<5	<1	11	9	38
S1 BL 0+25N 0+50E		16	<0.5	<50	<2	160	<4.0	<5	<1	39	11	26
S1 BL 0+25N 0+25W			<0.5	<50	<2	140	<4.0	<5	<1	14	8	40
S1 BL 0+25N 0+50W		12	<0.5	<50	<2	105	<4.0	<5	<1	8	10	84
S1 BL 0+50N 0+25E			<0.5	<50	<2	84	<4.0	<5	<1	7	9	34
S1 BL 0+50N 0+50E		10	<0.5	<50	<2	117	<4.0	<5	1	27	17	82
S1 BL 0+50N 0+75E			<0.5	<50	<2	154	<4.0	<5	1	33	7	23
S1 BL 0+50N 1+00E		7	<0.5	<50	<2	83	<4.0	<5	1	15	5	17
S1 BL 0+50N 1+25E			<0.5	<50	<2	308	<4.0	<5	<1	70	14	23
S1 BL 0+50N 1+50E		10	<0.5	<50	<2	109	<4.0	<5	<1	28	5	16
S1 BL 0+50N 0+25W			<0.5	<50	<2	81	<4.0	<5	<1	10	4	18
S1 BL 0+50N 0+50W		15	<0.5	<50	<2	306	<4.0	<5	<1	73	10	27
S1 BL 0+50N 0+75W			<0.5	<50	<2	219	<4.0	<5	<1	20	19	44
S1 BL 0+50N 1+00W		10	<0.5	<50	<2	160	<4.0	<5	<1	26	12	60
S1 BL 0+50N 1+25W			<0.5	<50	<2	262	<4.0	<5	<1	20	11	67
S1 BL 0+50N 1+50W		13	<0.5	<50	<2	190	<4.0	<5	<1	18	14	64
S1 BL 0+75N 0+25E			<0.5	<50	<2	144	<4.0	<5	<1	28	18	71
S1 BL 0+75N 0+50E		10	<0.5	<50	<2	149	<4.0	<5	<1	20	8	29
S1 BL 0+75N 0+25W			2.4	<50	<2	156	<4.0	<5	<1	32	6	23
S1 BL 0+75N 0+50W		17	<0.5	<50	<2	252	<4.0	<5	<1	34	12	32
S1 BL 1+00N 0+25E			<0.5	<50	<2	47	<4.0	<5	<1	10	3	9
S1 BL 1+00N 0+50E		7	<0.5	<50	<2	88	<4.0	<5	<1	13	4	16
S1 BL 1+00N 0+75E			<0.5	<50	<2	125	<4.0	<5	<1	23	9	31
S1 BL 1+00N 1+00E		7	3.3	<50	<2	97	<4.0	<5	<1	14	4	12
S1 BL 1+00N 0+25W			<0.5	<50	<2	325	<4.0	<5	<1	61	8	23
S1 BL 1+00N 0+50W		9	<0.5	<50	<2	211	<4.0	<5	<1	16	10	41
S1 BL 1+00N 0+75W			<0.5	<50	<2	170	<4.0	<5	<1	13	11	49
S1 BL 1+00N 1+00W		15	<0.5	<50	<2	206	<4.0	<5	<1	35	11	57
S1 88MMS-1			<0.5	<50	<2	278	<4.0	<5	<1	16	8	28
S1 88MMS-2		9	<0.5	<50	<2	158	<4.0	<5	<1	13	7	20
S1 88MMS-3			<0.5	50	<2	227	<4.0	<5	<1	11	5	20

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM
S1 BL 0+00N		34	4	5	5	<5	1	10	<10	115	<5	2.0
S1 BLON 0+25E		31	6	17	14	<5	2	27	13	<50	<5	3.0
S1 BLON 0+50E		20	6	15	15	<5	2	18	14	<50	<5	3.0
S1 BLON 0+75E		14	5	11	7	<5	1	10	<10	<50	<5	2.0
S1 BLON 1+00E		30	8	19	12	<5	2	25	<10	<50	<5	3.0
S1 BLON 0+25W		43	4	4	17	<5	<1	31	11	<50	<5	3.0
S1 BLON 0+50W		50	6	7	17	<5	3	63	<10	<50	<5	4.0
S1 BLON 0+75W		40	8	25	10	<5	2	31	<10	<50	<5	3.0
S1 BLON 1+00W		46	9	17	12	<5	3	35	<10	<50	<5	5.0
S1 BL 0+25N 0+25E		32	7	7	9	<5	2	20	<10	<50	<5	2.0
S1 BL 0+25N 0+50E		26	7	12	14	<5	2	28	13	85	<5	3.0
S1 BL 0+25N 0+25W		37	5	8	13	<5	1	25	<10	84	<5	3.0
S1 BL 0+25N 0+50W		32	6	6	16	<5	1	58	<10	<50	<5	3.0
S1 BL 0+50N 0+25E		20	6	4	9	<5	<1	17	<10	61	<5	2.0
S1 BL 0+50N 0+50E		34	9	10	19	<5	1	45	<10	123	<5	3.0
S1 BL 0+50N 0+75E		21	5	22	11	<5	<1	17	11	<50	<5	3.0
S1 BL 0+50N 1+00E		11	5	9	8	<5	<1	11	12	75	<5	2.0
S1 BL 0+50N 1+25E		27	6	71	11	<5	2	19	13	70	<5	5.0
S1 BL 0+50N 1+50E		18	2	17	6	<5	<1	15	<10	<50	<5	1.0
S1 BL 0+50N 0+25W		32	4	7	5	<5	<1	12	<10	<50	<5	<1.0
S1 BL 0+50N 0+50W		39	7	55	13	<5	2	24	11	102	<5	4.0
S1 BL 0+50N 0+75W		31	5	12	10	<5	1	26	<10	<50	<5	4.0
S1 BL 0+50N 1+00W		38	7	14	13	<5	2	34	<10	138	<5	5.0
S1 BL 0+50N 1+25W		58	7	13	14	<5	2	39	<10	<50	<5	5.0
S1 BL 0+50N 1+50W		69	7	10	12	<5	2	36	<10	51	<5	6.0
S1 BL 0+75N 0+25E		70	6	27	18	<5	1	39	<10	<50	<5	6.0
S1 BL 0+75N 0+50E		26	4	9	15	<5	<1	22	<10	132	<5	2.0
S1 BL 0+75N 0+25W		20	18	9	12	<5	5	13	22	828	<5	2.0
S1 BL 0+75N 0+50W		28	4	26	13	<5	<1	22	11	69	<5	3.0
S1 BL 1+00N 0+25E		11	<2	6	4	<5	<1	6	<10	<50	<5	<1.0
S1 BL 1+00N 0+50E		18	4	6	7	<5	<1	13	<10	<50	<5	1.0
S1 BL 1+00N 0+75E		23	7	8	22	<5	2	27	10	93	<5	3.0
S1 BL 1+00N 1+00E		11	3	7	6	<5	<1	9	<10	<50	<5	1.0
S1 BL 1+00N 0+25W		27	5	48	15	<5	1	22	11	76	<5	4.0
S1 BL 1+00N 0+50W		33	5	10	9	<5	1	24	<10	<50	<5	3.0
S1 BL 1+00N 0+75W		32	7	9	12	<5	2	27	<10	86	<5	4.0
S1 BL 1+00N 1+00W		52	7	19	12	<5	2	34	<10	80	<5	5.0
S1 88MMS-1		35	4	9	9	<5	1	24	<10	<50	<5	4.0
S1 88MMS-2		15	5	7	8	<5	1	13	<10	206	<5	2.0
S1 88MMS-3		18	4	6	7	<5	1	14	<10	70	<5	2.0

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SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Sr PPM	Ta PPM	Te PPM	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
S1 BL 0+00N		<30	8	<10	<20	<20	19	<10	2	30	12
S1 BLON 0+25E		<30	10	<10	<20	<20	30	<10	7	64	6
S1 BLON 0+50E		<30	17	<10	<20	<20	27	<10	5	58	5
S1 BLON 0+75E		<30	10	<10	<20	<20	25	<10	4	40	5
S1 BLON 1+00E		<30	10	<10	<20	<20	31	<10	5	65	5
S1 BLON 0+25W		<30	10	<10	<20	<20	47	<10	2	53	4
S1 BLON 0+50W		<30	12	<10	<20	<20	54	<10	4	60	3
S1 BLON 0+75W		<30	37	<10	<20	<20	33	<10	12	64	5
S1 BLON 1+00W		<30	30	<10	<20	<20	42	<10	10	61	6
S1 BL 0+25N 0+25E		<30	4	<10	<20	<20	43	<10	2	38	3
S1 BL 0+25N 0+50E		<30	12	<10	<20	<20	25	<10	7	67	3
S1 BL 0+25N 0+25W		<30	11	<10	<20	<20	41	<10	3	61	6
S1 BL 0+25N 0+50W		<30	13	<10	<20	<20	44	<10	2	62	4
S1 BL 0+50N 0+25E		<30	6	<10	<20	<20	57	<10	2	53	3
S1 BL 0+50N 0+50E		<30	8	<10	<20	<20	41	<10	5	84	4
S1 BL 0+50N 0+75E		<30	15	<10	<20	<20	29	<10	7	56	4
S1 BL 0+50N 1+00E		<30	9	<10	<20	<20	39	<10	3	43	3
S1 BL 0+50N 1+25E		<30	24	<10	<20	<20	31	<10	27	58	3
S1 BL 0+50N 1+50E		<30	9	<10	<20	<20	25	<10	5	51	<1
S1 BL 0+50N 0+25W		<30	8	<10	<20	<20	18	<10	2	36	<1
S1 BL 0+50N 0+50W		<30	49	<10	<20	<20	27	<10	22	86	7
S1 BL 0+50N 0+75W		<30	20	<10	<20	<20	35	<10	6	55	4
S1 BL 0+50N 1+00W		<30	15	<10	<20	<20	41	<10	6	71	6
S1 BL 0+50N 1+25W		<30	26	<10	<20	<20	47	<10	7	80	6
S1 BL 0+50N 1+50W		<30	20	<10	<20	<20	45	<10	8	69	7
S1 BL 0+75N 0+25E		<30	10	<10	<20	<20	50	<10	9	78	3
S1 BL 0+75N 0+50E		<30	9	<10	<20	<20	36	<10	4	60	4
S1 BL 0+75N 0+25W		<30	7	<10	<20	<20	26	<10	3	38	6
S1 BL 0+75N 0+50W		<30	27	<10	<20	<20	31	<10	11	68	4
S1 BL 1+00N 0+25E		<30	5	<10	<20	<20	17	<10	2	18	3
S1 BL 1+00N 0+50E		<30	7	<10	<20	<20	38	<10	2	32	5
S1 BL 1+00N 0+75E		<30	9	<10	<20	<20	33	<10	4	81	5
S1 BL 1+00N 1+00E		<30	7	<10	<20	<20	25	<10	2	34	2
S1 BL 1+00N 0+25W		<30	31	<10	<20	<20	25	<10	16	64	4
S1 BL 1+00N 0+50W		<30	25	<10	<20	<20	32	<10	6	45	3
S1 BL 1+00N 0+75W		<30	20	<10	<20	<20	37	<10	4	58	4
S1 BL 1+00N 1+00W		<30	19	<10	<20	<20	39	<10	9	58	8
S1 88MMS-1		<30	24	<10	<20	<20	32	<10	7	61	8
S1 88MMS-2		<30	25	<10	<20	<20	28	<10	4	50	4
S1 88MMS-3		<30	34	<10	<20	<20	43	<10	4	60	4

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM
S1 88MMS-4		17	<0.5	<50	<2	273	<4.0	<5	1	18	8	21
S1 88MMS-5			<0.5	<50	<2	287	<4.0	<5	<1	21	11	22
R2 88MM-01		12	<0.5	<50	<2	7	<4.0	<5	<1	<5	4	152
R2 88MM-02		<5	<0.5	<50	<2	3	<4.0	<5	<1	<5	<2	156
R2 88MM-03		<5	<0.5	<50	<2	70	<4.0	<5	<1	<5	44	261
R2 88MM-04		6	<0.5	<50	<2	75	<4.0	<5	2	<5	35	245
R2 88MM-05		<5	<0.5	<50	<2	49	<4.0	<5	<1	<5	34	182
R2 88MM-06		<5	<0.5	<50	<2	23	<4.0	<5	<1	<5	6	141
R2 88MM-07		<5	<0.5	<50	<2	64	<4.0	<5	<1	<5	33	169
R2 88MM-08		<5	<0.5	<50	<2	52	<4.0	<5	<1	<5	28	162
R2 88MM-09		<5	<0.5	<50	<2	15	<4.0	<5	<1	<5	<2	160
R2 88MM-10		5	<0.5	<50	<2	72	<4.0	<5	<1	<5	29	135

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM
S1 88MMS-4		30	2	10	8	<5	<1	17	<10	<50	<5	4.0
S1 88MMS-5		28	3	10	6	<5	2	19	10	<50	<5	2.0
R2 88MM-01		14	<2	<1	2	<5	<1	10	<10	<50	<5	1.0
R2 88MM-02		7	<2	<1	<1	<5	<1	4	<10	68	<5	<1.0
R2 88MM-03		155	11	2	34	<5	3	89	<10	<50	<5	19.0
R2 88MM-04		51	13	2	40	<5	4	86	<10	91	<5	24.0
R2 88MM-05		29	11	4	38	<5	3	61	13	76	<5	10.0
R2 88MM-06		12	<2	<1	4	<5	<1	13	<10	68	<5	2.0
R2 88MM-07		89	8	4	28	<5	2	57	<10	60	<5	11.0
R2 88MM-08		39	8	2	23	<5	2	53	<10	105	<5	5.0
R2 88MM-09		7	<2	<1	1	<5	<1	5	<10	<50	<5	<1.0
R2 88MM-10		73	8	3	22	<5	2	54	<10	<50	<5	7.0

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SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Sr PPM	Ta PPM	Te PPM	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
S1 88MMS-4		<30	25	<10	<20	<20	31	<10	8	58	9
S1 88MMS-5		<30	41	<10	<20	<20	31	<10	11	72	7
R2 88MM-01		<30	1	<10	<20	<20	9	<10	<1	10	<1
R2 88MM-02		<30	<1	<10	<20	<20	2	<10	<1	5	<1
R2 88MM-03		<30	4	<10	<20	<20	123	<10	6	86	1
R2 88MM-04		<30	5	<10	<20	<20	162	<10	8	111	<1
R2 88MM-05		<30	8	<10	<20	<20	97	<10	4	106	2
R2 88MM-06		<30	5	<10	<20	<20	13	<10	1	16	<1
R2 88MM-07		<30	9	<10	<20	<20	78	<10	4	70	2
R2 88MM-08		<30	11	<10	<20	<20	61	<10	2	73	2
R2 88MM-09		<30	2	<10	<20	<20	3	<10	<1	6	<1
R2 88MM-10		<30	8	<10	<20	<20	69	<10	3	73	2