

5772

1975\*Geochemical Assessment Report

TITLE Sarita River Property

CLAIMS Wet 3-20 Inclusive

COMMODITY Mo *#5772*

LOCATED Eight miles east of Bamfield, B.C.  
Latitude 48°50'N Longitude 124°57'W  
Alberni Mining Division 92 C/15W

BY D.G. Allen, P.Eng. (B.C.)

FOR AMAX Exploration, Inc.

WORK PERIOD Work was carried out during October 8 - 11  
and November 17 - 21, 1975.

AMAX VANCOUVER OFFICE

Department of  
Mines and Technical Services  
AS ...  
NO. 5772 MAP

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## INTRODUCTION

### Location and Access

The Sarita River molybdenite prospect is situated eight miles east of Bamfield, B.C. on the west coast of Vancouver Island (Figure 1). The property lies near the head of the east fork of the South Sarita River (Figure 2). Access to the property is by logging road from Port Alberni or Cowichan Lake, B.C.

### Property

The property consists of 18 claims (two post) Wet 3 - 20 inclusive staked for AMAX Exploration, Inc. and recorded on December 11, 1974. A three unit claim was added to the west side of the claim group on November 12, 1975.

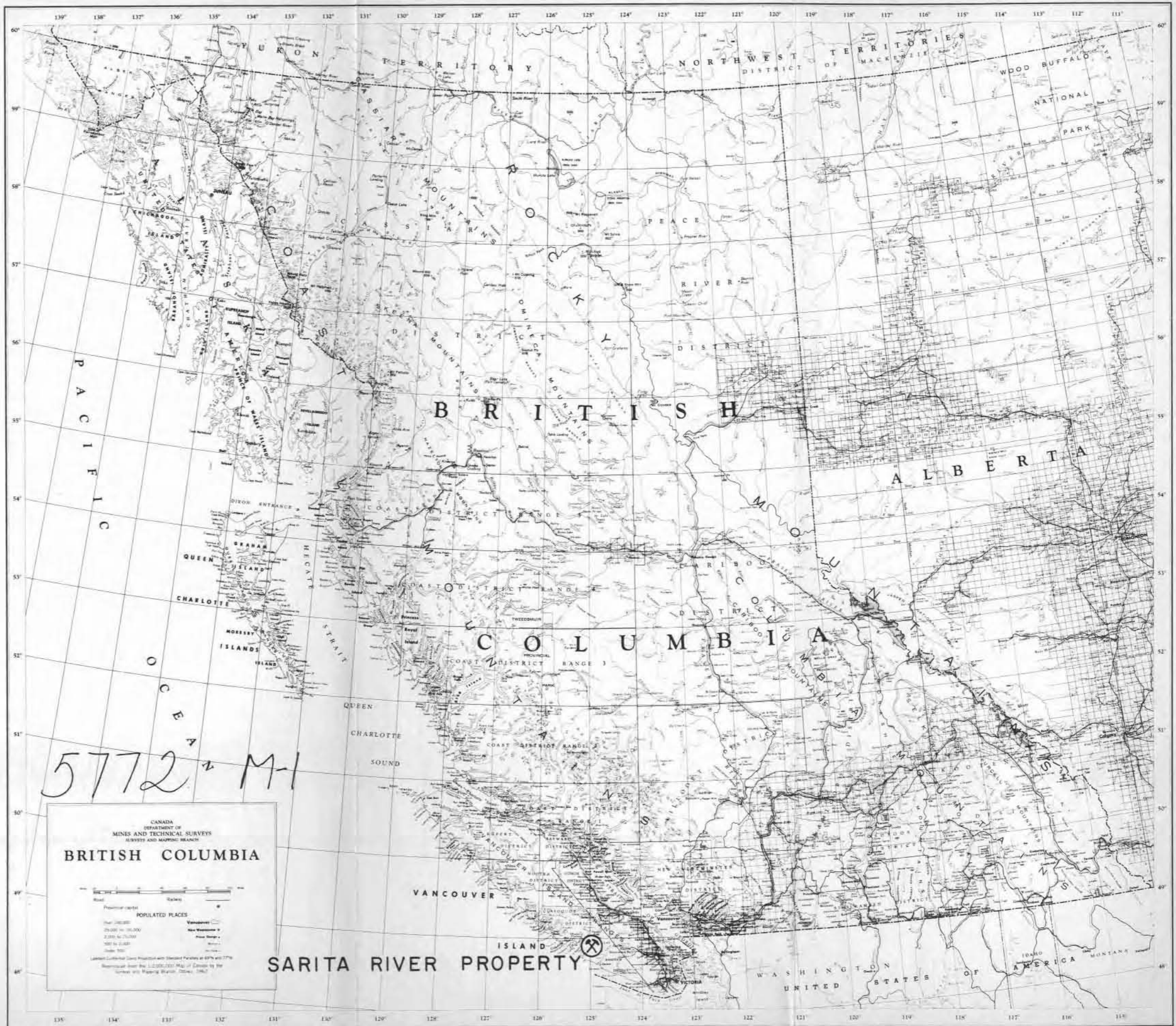
### Physiography

The Wet claims lie along the northwest slope of the Somerset Range between elevations 500 and 1700 feet. Topography varies from gentle on the lower slopes to moderately rugged on the southeast claims and along tributaries of the South Sarita River.

Much of the area has been logged off in several stages. Vegetation includes a one to ten year old thick growth of Douglas Fir, Hemlock, Balsam Fir and Cedar with an undergrowth of Salal, Salmon Berry and Alder. Some virgin timber remains along the western edge and to the south of the claim group.

Glacial till and local fluvioglacial gravel forms a thin veneer 0 to 10 feet deep over much of the area. Outcrop is

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 5772 MAP 1



5772 M-1



LOCATION MAP





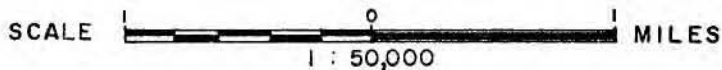
5771  
M-2

AMAX EXPLORATION INC.

SARITA RIVER PROPERTY  
ALBERNI MINING DIVISION — BRITISH COLUMBIA  
— WET CLAIMS —

*Donald S. Allen*

CLAIM LOCATION MAP



restricted mainly to creek beds, road cuts and steep bluffs on the southeastern claims.

### Scope of Exploration Program

The Sarita River property was staked to cover a low-grade molybdenite occurrence near the head of the South Sarita River. The purpose of the 1975 field program was to outline the area of interest by means of geochemical soil sampling along a grid and along logging roads. A topographic base map was prepared from air photos by Pacific Survey Corporation (Figures 3a and b).

## GEOCHEMISTRY

### Method

A flagged grid was established along which sampling was carried out at a spacing of about 300 feet. Once the area of interest was roughly outlined, more detailed sampling was carried out at a 200 foot spacing on lines about 400 feet apart.

At almost all sites, samples were taken at depths of 10 to 24 inches, well below the A horizon. The material sampled was mainly brown to orange oxidized boulder clay. Soil samples were taken and placed in Kraft paper bags. A total of 290 soil and silt samples were collected and analyzed for nine elements by Rossbacher Laboratory. In addition 34 rock samples were analyzed for ten elements and 5 water samples were analyzed for two elements.

Two soil profiles along road cuts were sampled (Figure 4).

## Discussion of Results

Results of the soil survey for Mo and Cu are presented on a 400 scale map (Figure 4). They reveal a prominent molybdenum anomaly approximately 3,700 feet long by 1,200 feet wide on the western side of the claim group. A smaller anomalous area defined by six samples lies on the Wet 16 claim. Sampling appears to have closed off the main anomaly in all directions.

In many cases, the anomalous molybdenum values (threshold 10 ppm, peaks 70 - 150 ppm) are associated with anomalous copper values. A zone of relatively high copper values is also found 2,000 to 3,000 feet south of the main molybdenum anomaly.

Although iron values are relatively high (3 to 9%) in soil, the elements Ni, Co, Mn, Ag, Pb and Zn are all near background levels, indicating that little hydromorphic dispersion and enhancement has occurred.

The main molybdenum anomaly appears to be centred slightly to the west of the area of best known molybdenite mineralization. This suggests that the anomaly may have been shifted to the west by glaciation. Because outcrop is scarce in the western part of the anomaly and geologic mapping is not everywhere complete, it is difficult to interpret the anomaly in detail.

Molybdenum in rock varies from 6 to 250 ppm, about the same order of magnitude as that obtained in soil.

Two soil profiles along road cuts in boulder clay were sampled (Figure 4). Molybdenum values appear to be somewhat erratic, possibly a result of glacial smearing.

# Rossbacher Laboratory

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,  
 BURNABY, B. C.  
 CANADA  
 TELEPHONE: 299-6910  
 AREA CODE: 604

AMAX MINERAL EXPLORATION  
601-535 Tharlow St.  
Vancouver, B.C.  
Project 701

DATE Dec 2, 1975  
 INVOICE NO. 511  
 CERTIFICATE NO. 5114

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL																																										
236	Geochem. analysis, 9 elements	\$ 3.20	\$ 755.20																																										
202	Geochem. sample prep	0.10																																											
34	Rock prep	0.75																																											
34	Tungsten geochem analysis	2.00																																											
5	Water analysis, Mo	1.00																																											
5	Water analysis, Cu	1.00																																											
5	pH analysis,	0.75																																											
<table border="1"> <tr> <td colspan="6">APPROVED <i>[Signature]</i> 12/4/75 <i>Laara</i></td> </tr> <tr> <th>Project Number</th> <th>Order Code</th> <th>Order C. No.</th> <th>Price C. No.</th> <th>Unit C. No.</th> <th>Amount</th> </tr> <tr> <td>701</td> <td>-</td> <td>-</td> <td>8691</td> <td>-</td> <td>882.65</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		APPROVED <i>[Signature]</i> 12/4/75 <i>Laara</i>						Project Number	Order Code	Order C. No.	Price C. No.	Unit C. No.	Amount	701	-	-	8691	-	882.65																										
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Project Number	Order Code	Order C. No.	Price C. No.	Unit C. No.	Amount																																								
701	-	-	8691	-	882.65																																								
464 1 DEC - 3 '75			\$ 662.65 <i>[Signature]</i>																																										

TERMS - NET 30 DAYS



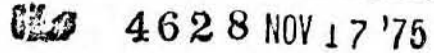
# Rossbacher Laboratory

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,  
 BURNABY, B. C.  
 CANADA  
 TELEPHONE: 299-6910  
 AREA CODE: 604

~~AMALGAM MINERALS EXPLORATION~~  
 601-535 Thurlow St.  
 Vancouver, B.C.  
 Project 701

DATE Nov 19, 1975  
 INVOICE NO. 5175  
 CERTIFICATE NO. 5145

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL																																				
5 5 5	Water Analysis for Cu @ \$ 1.00 Water Analysis for Mo 1.00 pH analysis 0.75	\$ 5.00 5.00 3.75																																					
<table border="1"> <tr> <td colspan="4">ADD &amp; EXT CORRECT</td> </tr> <tr> <td colspan="4">APPROVED <i>H.W. Silmer</i> <i>Laura</i></td> </tr> <tr> <td colspan="4">11/19/75</td> </tr> <tr> <td>Project</td> <td>Invoice</td> <td>Rate</td> <td>Amount</td> </tr> <tr> <td>701</td> <td>-</td> <td>- 8691</td> <td>- 13.75 ✓</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		ADD & EXT CORRECT				APPROVED <i>H.W. Silmer</i> <i>Laura</i>				11/19/75				Project	Invoice	Rate	Amount	701	-	- 8691	- 13.75 ✓																		
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APPROVED <i>H.W. Silmer</i> <i>Laura</i>																																							
11/19/75																																							
Project	Invoice	Rate	Amount																																				
701	-	- 8691	- 13.75 ✓																																				
			\$ 13.75 ✓ <i>Laura</i>																																				

TERMS - NET 30 DAYS

# Rossbacher Laboratory

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,  
 BURNABY, B. C.  
 CANADA  
 TELEPHONE: 299-6910  
 AREA CODE: 604

AMAX MINERALS EXPLORATION

601-535 Thurlow St.

Vancouver, B.C.

Project 701

DATE Nov 6, 1975

INVOICE NO. 5165

CERTIFICATE NO. 5136

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
12	Geochem analysis, 9 elements	\$ 3.20	\$ 36.40
12	Geochem prep	0.10	
			\$ 39.60 <i>Laura</i>

TERMS - NET 30 DAYS

# Rossbacher Laboratory

GEOCHEMICAL ANALYSTS & ASSAYERS

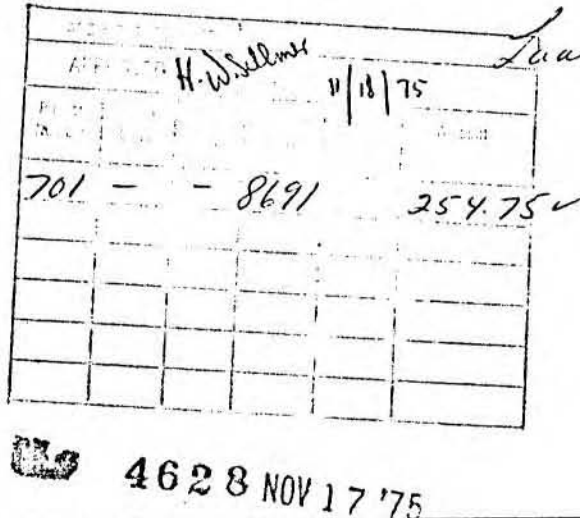
2225 S. SPRINGER AVE.,  
BURNABY, B. C.  
CANADA  
TELEPHONE: 299-6910  
AREA CODE: 604

~~AMX MINERALS EXPLORATION~~  
~~601-535 Thurlow St.~~  
~~Vancouver, B.C.~~  
~~Project 701~~

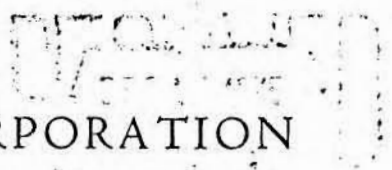
DATE ~~Nov. 5, 1975~~

INVOICE NO. 5157

CERTIFICATE NO. 5131

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
77	Geochem. analysis, 9 elements	\$ 3.20	\$ 246.40
76	Sample prep.	0.10	7.60
1	Rock prep.	0.75	0.75
			\$ 254.75 <i>Laura</i>

TERMS - NET 30 DAYS



# INVOICE

## PACIFIC SURVEY CORPORATION

1409 WEST PENDER STREET VANCOUVER, B.C., CANADA V6G 2S4 TELEPHONE: 683-6501

**Amax Exploration Inc.,**  
555 Thurlow Street,  
Vancouver, B.C.

Attn: Mr. Hermano Pires

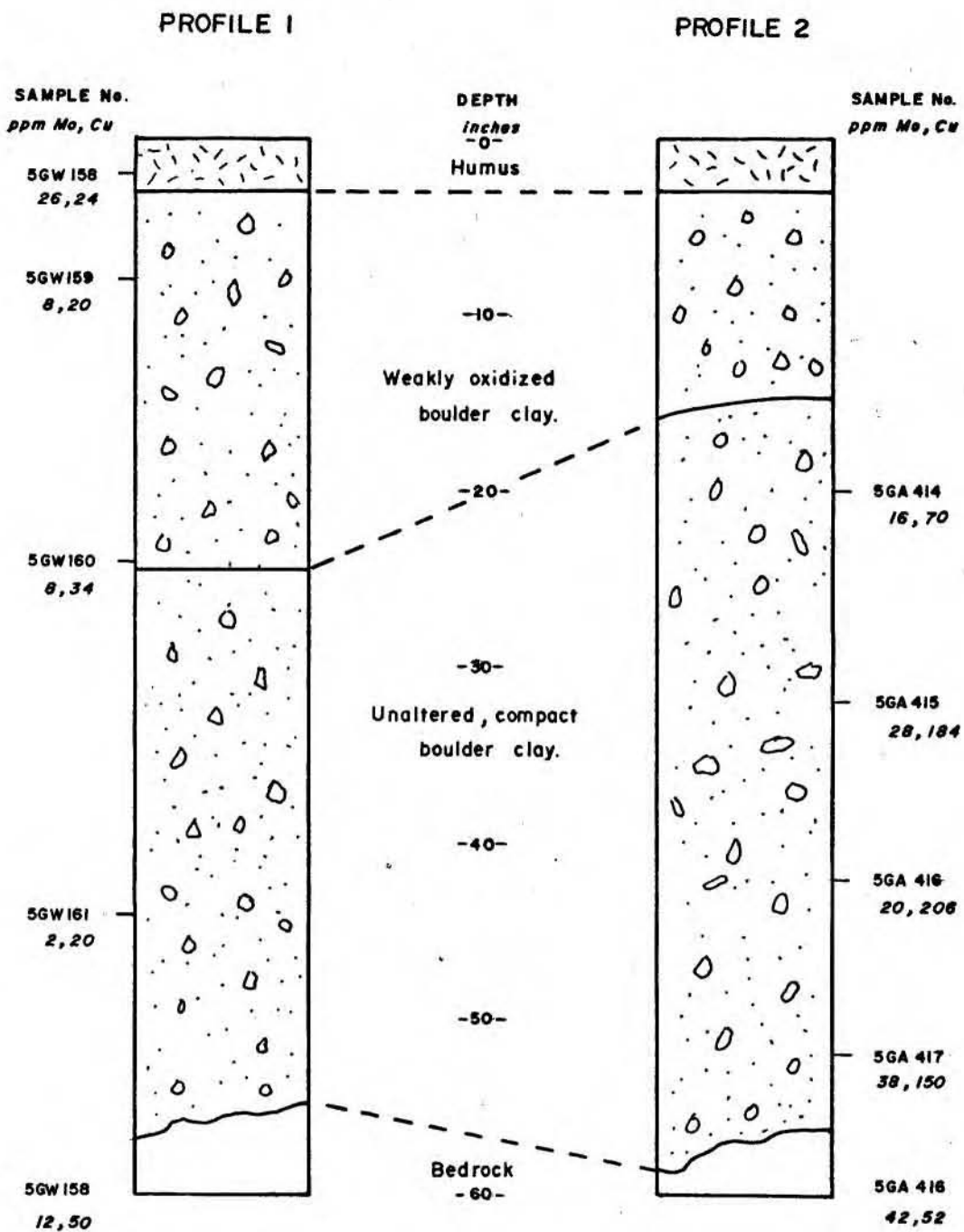
INVOICE No. 9265  
DATE 17 December 1975  
YOUR ORDER No.  
JOB No. 75-224  
PACKING SLIP No. 761-8626  
SHIPPED VIA

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL																																																						
	<p>TO:</p> <p>Completions:</p> <p>1-inch equals 400 feet pencil manuscript mapping with a 25 foot contour interval, West of Rousseau Lake, as per packing slip 8681</p> <p>Lump sum</p>		<u>\$475.00</u>																																																						
<table border="1"> <tr> <td colspan="6">ADD &amp; EXT CORRE</td> </tr> <tr> <td colspan="6">APPROVED <i>[Signature]</i> DATE 12/18/75 <i>[Signature]</i></td> </tr> <tr> <th>Project Number</th> <th>Group Code</th> <th>Activity Code</th> <th>Account Class.</th> <th>S. Class.</th> <th>Amount</th> </tr> <tr> <td>701</td> <td>-</td> <td>-</td> <td>8626</td> <td>-</td> <td>475.00</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6">GROSS 4658 DEBIT 8175</td> </tr> </table>				ADD & EXT CORRE						APPROVED <i>[Signature]</i> DATE 12/18/75 <i>[Signature]</i>						Project Number	Group Code	Activity Code	Account Class.	S. Class.	Amount	701	-	-	8626	-	475.00																									GROSS 4658 DEBIT 8175					
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APPROVED <i>[Signature]</i> DATE 12/18/75 <i>[Signature]</i>																																																									
Project Number	Group Code	Activity Code	Account Class.	S. Class.	Amount																																																				
701	-	-	8626	-	475.00																																																				
GROSS 4658 DEBIT 8175																																																									
TERMS: NET CASH, INTEREST CHARGED ON OVERDUE ACCOUNTS																																																									



APPENDIX II

GEOCHEMICAL ANALYTICAL PROCEDURE



AMAX EXPLORATION INC.

SARITA RIVER PROPERTY  
 ALBERNI MINING DIVISION — BRITISH COLUMBIA  
 — WET CLAIMS —

*Ronald S. Allen*

SOIL PROFILES

SCALE 1" = 10'

All rock samples were analyzed for tungsten in an attempt to determine whether or not any additional metal values are associated with the molybdenite mineralization. Only a few samples contained anomalous tungsten up to 30 ppm.

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D.G. Allen, P.Eng. (B.C.)

*Donald S. Allen.*

APPENDIX I

STATEMENT OF COSTS

PERIOD OF WORK      October 8-11, November 17-21, 1975

SUMMARY OF WORK      Geochemical Survey

PERSONNEL

D.G. Allen, P.Eng. - 601-535 Thurlow St. Vancouver, B.C.	
5 days @ \$93.50/day	467.50
W.R.Ridgway-Sr. Asst.- 601 Draycott St. Coquitlam, B.C.	
9 days @ \$37.97	341.73
B.C.Wright -Jr. Asst.- 3806 W.27th Ave. Vancouver, B.C.	
9 days @ \$30.44	273.96

BOARD - 23 man days @ \$20/day      460.00

VEHICLE - 1 4 x 4 Truck - 9 days @ \$25/day      225.00

GEOCHEMICAL ANALYSES

290 soil and silt samples - 9 elements @ \$3.30	957.00
35 rock samples - 9 elements @ \$3.95	138.25
34 rock samples - Tungsten @ \$2.00	68.00
10 water samples - (pH,Mo,Cu) @ \$2.75	27.50

TOPOGRAPHIC BASE MAP - Pacific Surveys Ltd.      400.00

REPORT PREPARATION & DRAFTING      500.00

\$3858.94

We wish the above work applied as one Year's assessment work on  
Wet 3-20 incl. mineral claims

*Donald G. Allen*



Procedures for Collection and Processing  
of Geochemical Samples

Analytical Methods for Ag, Mo, Cu, Pb, Zn,  
Fe, Mn, Ni, Co and W in sediments and soils;  
Mo, Cu, Zn, Ni and  $\text{SO}_4^{--}$  in waters.

Amax Exploration, Inc.  
Vancouver Office.

September 1970

## SAMPLE COLLECTION

### Soils

B horizon material is sampled and thus organic rich topsoil and leached upper subsoil are avoided. Occasionally organic rich samples have to be taken in swampy depressions.

Samples are taken by hand from a small excavation made with a cast iron mattock. Approximately 200 gms of finer grained material is taken and placed in a numbered, high wet-strength, Kraft paper bag. The bags are closed by folding and do not have metal tabs.

Observations as to the nature of the sample and the environment of the sample site are made in the field.

### Drainage Sediments

Active sediments are taken by hand from tributary drainages which are generally of five square miles catchment or less. Composite samples are taken of the finest material available from as near as possible to the centre of the drainage channel thus avoiding collapsed banks. More than one sample is taken if marked mineralogical or textural segregation of the sediments is evident.

Some 200 gm of finer material is collected unless the sediment is unusually coarse in which case the weight is increased to 1 kg. Samples are placed in the same type of Kraft paper bag as are employed in soil sampling. Water samples are taken at all appropriate sites. Approximately 100 mls are sampled and placed in a clean, screw sealed, polythene bottle. Observations are made at each site regarding the environment and nature of the sample.

### Rock Chips

Composite rock chip samples generally consist of some ten small fragments broken from unweathered outcrop with a steel hammer. Each fragment weighs some 50 gms. Samples are placed in strong polythene bags and sealed with non-contaminating wire tabs. Samples are restricted to a single rock type and obvious mineralization is avoided.

Soil, sediment and rock samples are packed securely in cardboard boxes or canvas sacks and dispatched by road or air.

# Rossbacher Laboratory

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,  
BURNABY, B. C.  
CANADA  
TELEPHONE: 299-6910  
AREA CODE: 604

iii

April 30, 1974

## SUMMARY OF SOME ANALYTICAL TECHNIQUES CURRENTLY IN USE AT ROSSBACHER LABORATORY

### A ANALYTICAL TECHNIQUES FOR GEOCHEMICAL SAMPLES

#### SAMPLE PREPARATION

Packages of samples are opened as soon as they arrive at the laboratory and the bags placed in numerical sequence in an electrically heated sample drier (maximum temperature 70°C).

After drying soil and sediment samples they are lightly pounded with a wooden block to break up aggregates of fine particles and are then passed through a 35 mesh stainless steel sieve. The coarse material is discarded and the minus 35 mesh fraction replaced in the original bag providing that this is undamaged and not excessively dirty.

Rock samples are exposed to the air until the outside surfaces are dry; only if abnormally wet are rocks placed in the sample drier. Rock samples are processed in such manner that a fully representative 1/2 g. sample can be obtained for analysis. The entire amount of each sample is passed through a jaw crusher and thus reduced to fragments of 2 mm. size or less. A minimum of 1 kg. is then passed through a pulverizer with plates set such that 95% of the product will pass through a 100 mesh



screen. Where samples are appreciably heavier than 2 kg the material is split after jaw crushing by means of a Jones splitter. After pulverizing the sample is mixed by rolling on paper and is then placed in a Kraft paper bag.

#### SAMPLE DIGESTION

Digestion tubes (100 x 16 mm) are marked at the 5 ml level with a diamond pencil. Tubes are cleaned with hot water and concentrated HCl. 0.5 g samples are weighed accurately, using a Fisher Dial-O-Gram balance, and placed in the appropriate tubes.

To each of the samples thus prepared are added 2 ml of an acid mixture comprising 15% nitric and 85% perchloric acids. Racks of tubes are then placed on an electrical hot plate, brought to a gentle boil ( $\frac{1}{2}$  hour) and digested for  $4\frac{1}{2}$  hours. Samples unusually rich in organic material are first burned in a porcelain crucible heated by a bunsen burner before the acid mixture is added. Digestion is performed in a stainless steel fume hood.

After digestion tubes are removed from the hot plate and the volume is brought up to 5 ml with deionized water. The tubes are shaken to mix the solution and then centrifuged for one minute. The resulting clear upper layer is used for Cu, Mo, Pb, Zn, Ag, Fe, Mn, Ni and Co determination by a Perkin-Elmer 290B atomic absorption spectrophotometer. Analytical procedures are given on the following pages.

Silver

1. Scope - This procedure covers a range of silver in the sample from less than .5 to 1000 ppm
2. Summary of Method - The sample is treated with nitric and perchloric acid mixture to oxidize organics and sulphides. The silver then is present as perchlorate in aqueous solution. The concentration is determined by atomic absorption spectrophotometer.
3. Interferences - Silver below 1 gamma/ml is not very stable in solution. Maintaining the solution in 20% perchloric prevents silver being absorbed on the glass container. Determination must be completed on the same day as the digestion.

Samples high in dissolved solids, especially calcium, cause high background absorbance. This background absorbance must be corrected using an adjacent Ag line.

Silver AA Settings P.E. 290

Lamp - Ag

Current 4 ma position 3

Slit 7 A

Wavelength 3281A Dial 287.4

Fuel - acetylene - flow - 14

Oxidant - air - flow - 14

Burner - techtron AB\_51 in line

Maximum Conc. 3 to 4x

Calibration

1. Set 1 gamma/ml to read 40 equivalent to 20 gamma/gm  
     Factor  $\frac{1}{2}$  x meter reading  
     Check standards  
     4, 10, 20, 40 ppm Ag in sample
2. Set 15 gamma/ml to 100 equivalent to 100 ppm  
     Check standards  
     40, 100 ppm  
     Factor directly in ppm Ag
3. Rotate burner to maximum angle  
     Set 10.0 gamma/ml Ag to read 100  
     Check standards  
     100, 200, 400, 1000 ppm Ag  
     Factor 10x scale reading
4. Samples higher than 1000 ppm should be re-analyzed by assay procedure
5. Background correction for sample reading between 1 to 5 ppm  
     Calibrate AA in step 1  
     Dial wavelength to 300 (peak)  
     Read the samples again  
     Subtract the background reading from the first reading

Standards

1. 1000 gamma/ml Ag - 0.720 gm  $\text{Ag}_2\text{SO}_4$  dissolved in 20 mls  $\text{Hx10}_3$   
     and dilute to 500 mls
2. 100 gamma/ml Ag - 10 mls of above + 20 mls  $\text{HClO}_4$ , dilute to  
     100 mls

### 3. Recovery spiked standard

5 gamma/ml Ag - 5 mls 100 gamma/ml dilute to 100 mls with  
"mixed" acid

#### Working AA Standards

Pipette .2, .5, 1, 2, 5, 10 mls of 100 gamma/ml and 2, 5 mls 1.000 gamma/ml dilute to 100 mls with 20% HClO<sub>4</sub>. This equivalent to 4, 10, 20, 40, 100, 200, 400, and 1000 ppm Ag in the sample .50 gm diluted to 10 mls.

#### Recovery Standard

Pipette 2 mls of 5 gamma/ml Ag in mix acids into a sample and carry through the digestion. This should give a reading of 20 ppm Ag + original sample content.

Follow the general geochemical procedure for sample preparation and digestion.

For low assay Ag, the same procedure is used. Ag is then calculated in oz/ton.

$$1 \text{ ppm} = .0292 \text{ oz/ton}$$

conversion factor

$$\text{oz/ton} = .0292 \times \text{ppm Ag}$$

Zn Geochemical AA Setting

Lamp Zn

Current 8 #3 Slit 20A

Wave length 2133 Dial 84.9

Fuel - Acetylene Flow 14

Oxidant - Air Flow 14

Burner - P.E. short path 90°

## Range

0 - 20 gamma/ml Factor 4x - 0 to 400 ppm

0 - 50 gamma/ml Factor 10x - 0 to 1000 ppm

For Waters - Burner AB- 51 in line 1 gamma/ml read 100 to give 0

to 1000 ppb

High Zn Burner Boling in line. Wavelength 3075. Dial 250 Slit 7A

Fuel 14 Air 14.5

0 to 1000 gamma/ml read 0 to 20 Factor 400 x

Pure Standard 10,000 gamma/ml

1 gm Zn dissolved, H<sub>2</sub>O, HCl, HNO<sub>3</sub>, HClO<sub>4</sub>, fumed to HClO<sub>4</sub> -make up to 100 mls H<sub>2</sub>O1000, 100 gamma/ml and 100 ml by dilution in 20 % HClO<sub>4</sub>

0 to 200 gamma/ml Zn use combined Cu, Ni, Co, Pb, Zn standards

## Pipette

1, 2, 3, 5, 8, 10 mls of 10,000 gamma/ml - dilute to 100 mls  
with 20% HClO<sub>4</sub> to give

100, 200, 300, 500, 800, 1000 gamma/ml Zn for high standards

Co Geochemical AA Setting

Lamp - 5 multi element

Current 10 #4 Slit 2A

Wavelength 2407 Dial 133.1

Fuel - Acetylene Flow 14

Oxidant - Air Flow 14

Burner - AB 51 in line

Range

0 - 10 gamma/ml read 100 Factor 2 x reading to 200 ppm

0 - 20 gamma ml read 100 Factor 4 x reading to 400 ppm

Burner at maximum angle

0 - 100 gamma/ml read 100 Factor 20 x reading to 2000 ppm

0 - 200 gamma/ml read 100 Factor 40 x reading to 4000 ppm

Standards - 1000 gamma/ml

1.000 gm cobalt metal dissolved in HCl, HNO<sub>3</sub>, and fumed into HClO<sub>4</sub>, dilute to 1 liter

Pipette

1, 2, 10, 20 mls into 100 ml vol flasks diluted to mark with 20% HClO<sub>4</sub>

This gives

10, 20, 100, 200 gamma/ml Co

Mixed - combination standards of Cu, Ni, Co, Pb, Zn

of

1, 2, 5, 10, 20, 30, 50, 80, 100, 150, 200 gamma/ml are used for calibration



Mn Geochemical AA Setting

Lamp Multi element Ca, Ni, Co, Mn Cr

Current 10 #4 Slit 7A

Wave length 4030.8 Dial 425.2

Fuel - Acetylene Flow 14.0

Oxidant - Air Flow 14.0

Burner - P.E. short path (or AB 50)

**Range**

0 - 100 gamma/ml Factor 20x - 0 to 2000 ppm

0 - 200 gamma/ml Factor 40x - 0 to 4000 ppm

**Burner 90°**

0 - 1000 gamma/ml Factor 200x - 0 to 20,000 ppm

0 - 2000 gamma/ml Factor 400x - 0 to 40,000 ppm

**EDTA Extraction - use AB 51 in line**

0 - 20 gamma/ml Factor 4x - 0 to 400 ppm

**Standards**

Fisher 10,000 gamma/ml ( ml)

10x Dilution 1000 gamma/ml

**Pipette**

.5, 1, 2, 3, 5, 8, 10, ml of 1000 gamma/ml

2, 3, 5, 8, 10, 15, 20 ml of 10,000 gamma/ml dilute to 100

mls with 20% HClO<sub>4</sub>. This gives

5, 10, 20, 30, 50, 80, 100, 200, 300, 500, 800, 1000, 1500,

2000 gamma/ml.

Mo Geochemical AA Setting

Lamp ASL H/C Mo

Current 5 #5 Slit 7A

Wavelength 3133 Dial 260.2

Fuel - Acetylene Flow 12.0 to give 1" red feather

Oxidant - Nitrous oxide Flow 14.0

Burner - AB 50 in line

Caution read the operation using N<sub>2</sub>O and acetylene flame at  
end of general AA procedure

Range

0 - 10 gamma/ml Factor 2x - 0 to 200 ppm

Rotate burner to max. angle

0 - 50 gamma/ml Factor 10 x 0 to 1000 ppm

0 - 100 gamma/ml Factor 20 x 0 to 2000 ppm

Standards 1000 gamma/ml

Dissolve .750 gms MoO<sub>3</sub> (acid molybdic) with 20 mls H<sub>2</sub>O, 6  
lumps NaOH, when all dissolved, add 20 mls HCl, dilute to 500 mls  
100 gamma/ml - 10 x dilution

Pipette

.2, .5, 1, 2, 3, 5, 8, 10 mls of 100 gamma/ml

2, 3, 5, 8, 10 mls of 1000 gamma/ml add 5 mls 10% AlCl<sub>3</sub>and dilute to 100 mls with 20% HClO<sub>4</sub>

This gives

.2, .5, 1, 2, 3, 5, 8, 10, 20, 30, 50, 80, 100 gamma/ml Mo

Fe Geochemical AA Setting

## Lamp - Fe

- Do not use multi element Fe

Current 10 #4 Slit 2A

Wavelength 3440.6 Dial 317.5

Fuel - Acetylene Flow 14.0

Oxidant - Air Flow 14.0

Burner - PE Short Path 90°

## Range

0 - 5000 gamma/ml 0.1 x % - 0 to 10.0%

0 - 10,000 gamma/ml 0.2 x % - 0 to 20.0%

Higher Fe - 10 x dilution

Standards 10,000 gamma/ml

Weigh 5.000 gms iron wires, into beaker, add H<sub>2</sub>O, HCl, HNO<sub>3</sub>,

HClO<sub>4</sub>, heat to HClO<sub>4</sub> fumes. Add HClO<sub>4</sub> to 100 mls + 100 mls

H<sub>2</sub>O, warm, dilute to 500 mls

## Pipette

1, 5, 10, 20, 30, 50, 80 mls 10,000 gamma/ml dilute to 100 mls with 20% HClO<sub>4</sub> to give

100, 500, 1000, 2000, 3000, 5000, 8000 gamma/ml to be equivalent to .2, 1.0, 2.0, 4.0, 6.0, 10.0%, 16.0% Fe in geochem sample

Ni Geochemical AA Setting

Lamp P.E. H/C. Ni or multi element Cu, Ni, Co, Mn, Cr

Current 10 #4, Slit 2A

Wave length 3415 Dial 312.5

Fule - Acetylene Flow 14.0

Oxidant - Air Flow 14.0

Burner AB 51 in line

Range

0 - 20 gamma/ml Factor 4x - 0 - 400 ppm

0 - 100 gamma/ml Factor 20x - 0 - 2000 gamma

45° 0 - 200 gamma/ml Factor 40x - 0 - 4000 ppm

0 - 500 gamma/ml Factor 100x - 0 - 10,000 ppm

Ni in waters and very low ranges

Wave length 2320 Dial 118

Range 0 - 5 gamma/ml Factor 1x - 0 - 100 ppm

Standards 10,000 gamma/ml

1.000 gm pure Ni metal dissolved in HCl, HNO<sub>3</sub>, HClO<sub>4</sub> to perchloric fumes, dilute to 100 ml H<sub>2</sub>O

1000 gamma/ml and 100 gamma/ml Successive 10x dilutions in 20% HClO

1, 2, 5, 8, 10 mls of 100 gamma/ml

2, 5, 8, 10 mls 1000 gamma/ml

2, 5, 8, 10 mls 10,000 gamma/ml - dilute to 100 mls in 20%

HClO<sub>4</sub>. This gives

1, 2, 5, 8, 10, 20, 50, 80, 100, 200, 500, 800, 1000 gamma/ml N

Combined Standards - Cu, Ni, Co, Pb, Zn is used as a working standard

Cu Geochemical AA Setting

Lamp Single Cu or

5 multi element

Current 10 for multi element #4 Slit 7A

4 for single #3 Slit 7A

Wavelength 3247 Dial 280

Burner Techtron AB 51 (For Cu in natural waters)

P.E. Short Path (For geochem)

Fuel Acetylene Flow 14

Oxidant Air Flow 14

Range

0 - 5 gamma/ml Factor 1x to 100 ppm (for low Cu)

0 - 20 gamma/ml Factor 4x to 400 ppm

Burner 90°

0 - 200 gamma/ml Factor 40x to 4000 ppm

Wavelength 2492 Dial 147

Burner in line

Range

0 - 1000 gamma/ml Factor 200x to 20,000 ppm

0 - 2000 gamma/ml Factor 400x to 40,000 ppm

Higher range than 40,000 ppm requires 10x dilution

Standards

10,000 gamma/ml

1.000 gm metal powder, H<sub>2</sub>O, HCl, HNO<sub>3</sub> until dissolved, addHClO<sub>4</sub>, fume dilute to 100 mls

1000 gamma/ml 10x dilution above in 20% HClO<sub>4</sub>

2000 gamma/ml 20 mls 10,000 gamma/ml - dilute to 100 mls in  
20% HClO<sub>4</sub>

100 gamma/ml 10x dilution 1000 gamma/ml dilute to 100 mls in  
20% HClO<sub>4</sub>

200 gamma/ml 10x dilution 2000 gamma/ml dilute to 100 mls in  
20% HClO<sub>4</sub>

Pipette

1, 2, 3, 5, 8, 10 mls 100 gamma/ml - dilute to 100 mls with  
20% HClO<sub>4</sub> to give 1, 2, 3, 5, 8, 10 gamma/ml

Combined standards Cu, Ni, Co, Pb, Zn

1, 2, 5, 10, 20, 30, 50, 80, 100, 150, 200 gamma/ml

Pb Geochemical AA Setting

Lamp ASL H/c Pb

Current 5 ma Slit 7A

Wave length 2833 Dial 208

Fuel - acetylene Flow 14

Oxidant - air Flow 14

Burner AB 51 in line

## Range

0 - 20 gamma/ml to read 0 to 80. Factor 5x 0 to 500 ppm

0 - 200 gamma/ml to read 0 to 80. Factor 50x 0 to 5000 ppm

Standards - 10,000 gamma/ml

1.000 pure metal, dissolved in HNO<sub>3</sub>, fumed to HClO<sub>4</sub> make up to 100 mls in 20% HClO<sub>4</sub>

1000 gamma/ml and 100 gamma/ml Successive 10x dilutions in 20% HClO<sub>4</sub>

## Pipette

1, 2, 5, 8, 10 mls 100 gamma/ml

2, 5, 8, 10, 20 mls 1000 gamma/ml dilute to 100 mls in 20%

HClO<sub>4</sub> this gives

1, 2, 5, 8, 10, 20, 50, 80, 100, 200 gamma/ml

Combined Standards Cu, Ni, Co, Pb, Zn, are used as working standards



W in Soils and Silts

## Reagents and apparatus

Test tubes - pyrex disposable

Test tubes - screw cap

Bunsen Burner

Flux - 5 parts  $\text{Na}_2\text{CO}_3$

4 parts  $\text{NaCl}$

1 part  $\text{KNO}_3$  pulverized to -80 mesh

7%  $\text{SnCl}_2$  in 70%  $\text{HCl}$

20%  $\text{KSCN}$  in  $\text{H}_2\text{O}$

Extractant - 1 part tri-n-butyl phosphate

9 parts carbon tetrachloride

## Standards

1000 gamma/ml W

.18 gms  $\text{Na}_2\text{WO}_4 \cdot 2\text{H}_2\text{O}$  dissolved in  $\text{H}_2\text{O}$ , make up to 100 mls

100 gamma/ml, 10 gamma/ml by dilution

## Standardization

Pipette .5, 1, 2, 3, 5, 8, 10 ml of 10 gamma/ml

and 1.5, 2 mls of 100 gamma/ml - dilute to 10 mls

continue from step #4

Artificial colors - Nabob pure Lemon Extract, dilute with 1:1 ethanol and water to match. Tightly seal these for permanent standards

Procedure

1. Weigh 1.0 gram sample, add 2 gm flux, mix

2. Sinter in rotary for 2 to 3 minutes (Flux dull read for one minute)
3. Cool, add 10 mls  $H_2O$ , heat in sand bath to boiling, cool, let sit overnight
4. Stir, crush, and mix. Let settle
5. Take 2 ml aliquot into screw cap test tube
6. Add 7 mls  $SnCl_2$ , heat in hot water bath for 5 minutes ( $80^\circ C$ )
7. Cool to less than  $15^\circ C$
8. Add 1 ml 20% KSCN, mix (if lemon yellow; compare color standard 10x)
9. Add  $\frac{1}{2}$  ml extractant, cap, shake vigorously 1 minute
10. Compare color

Molybdenum in Water Samples

1. Transfer 50 mls to 125 separatory funnel
2. Add 5 ml .2% ferric chloride in conc HCl
3. Add 5 mls of mixed KSCN and SnCl<sub>2</sub>
4. Add 1.2 mls isopropyl ether, shake for 1 minute, and allow phases to separate
5. Drain off water
6. Compare the color of extractant

Standardization

Pipette 0, .2, .5, 1, 2, 3, 4, 5, mls of 1 gamma/ml and 1, 1.5, 2, mls of 10 gamma/ml dilute to 50 mls with demineralized H<sub>2</sub>O, and continue step #2.

This equivalent to

1, 4, 10, 20, 40, 60, 80, 100, 200, 300, 400 ppb Mo

Artificial color - Nabob orange extract dilute with 1:1 H<sub>2</sub>O to methanol to match. Seal tightly

SnCl<sub>2</sub> - 15% in .15% HCl

300 gm SnCl<sub>2</sub> · 2H<sub>2</sub>O + 300 mls HCl, until SnCl<sub>2</sub> dissolved  
dilute to 2 liters

KSCN - 5% in H<sub>2</sub>O

Mixed SnCl<sub>2</sub> - KSCN

3 parts SnCl<sub>2</sub> to 2 parts KSCN

Water Samples Run for AA

1. Cu - 2 gamma/ml reads 80 scale therefore 1 unit = 25 ppb
2. Zn - 1 gamma/ml reads full scale therefore 1 unit = 10 ppb
3. Ni - 2.5 gamma/ml reads 50 scale therefore 1 unit = 50 ppb

Burner: long slot techtron burner in line

Sulphate in Natural Waters

1. Pipette 0.5 ml sulphate reagent mix into a colorimetric tube
2. Add 5 ml water sample and mix
3. Read at 343 *mμ* against a demineralized water blank
4. Read again at 400 *mμ* and subtract from sulphate reading
5. Calculate ppm sulphate from the graph

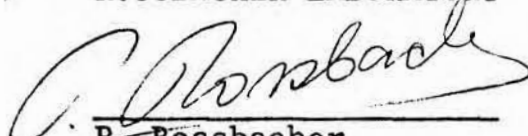
Reagent

Dissolve 54 grams red mercuric oxide (J.T. Baker 2620- Can Lab) in 185 ml 70% perchloric acid and 20 ml H<sub>2</sub>O, shake for one hour. Add 46.3 grams ferric perchlorate [ Fe(ClO<sub>4</sub>)<sub>3</sub> · 6H<sub>2</sub>O ] (GFS 39) and 47 grams aluminum perchlorate [ Al (ClO<sub>4</sub>)<sub>3</sub> · 3H<sub>2</sub>O ] (GFS 2) Add 400 ml water to dissolve, let settle overnight, decant into bottle and make to 1 liter

pH MEASUREMENTS

Soil and drainage sediment samples are dampened with water in a glass beaker to a pasty consistency. Demineralized water is used for this purpose as it has a low buffer capacity and thus does not influence the pH of the sample. Measurement is made with a Fisher Acument pH meter. Electrodes are stored in buffer overnight. A 30 minute warm up time is allowed for the instrument each morning. A 10 ml aliquot is taken from water samples for pH measurement.

ROSSBACHER LABORATORY



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P. Rossbacher

APPENDIX III  
GEOCHEMICAL RESULTS



CERT. 5131  
INVOICE

# AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE OCT 29/71

PROJECT 701

REQUESTED BY D. ALLEN

TYPE SAMPLES Soil

LOCATION SARITA RIVER

DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni	Co	Mn	% Fe	Zn	Pb	PL	No.
01	5GWS 34											
02	31		10	116	36	56	800	6.1	56	.6	16	28
03	36		8	136	16	26	680	8.0	30	1.0	49	44
04	37		6	420	22	36	760	7.2	86	1.2	40	60
05	38		12	174	24	28	160	10.0	22	1.4	36	36
06	39		10	92	16	26	260	8.5	22	1.0	36	34
07	40		6	60	14	20	260	8.1	22	1.2	16	36
08	41		36	430	20	30	160	6.5	12	.6	49	32
09	42		8	20	16	22	360	10.0	34	1.0	32	60
10	43		4	8	12	16	160	6.0	32	.6	12	36
11	44		2	20	12	20	120	4.8	18	.4	20	28
12	45		4	62	36	36	1000	6.0	28	.8		40
13	46		2	18	12	20	300	5.5	124	.6		38
14	47		2	60	36	36	1360	4.6	32	.4		30
15	49		10	90	16	20	400	5.2	162	.6		46
16	50		4	40	16	28	680	6.2	32	.8		46
17	51		8	130	14	20	200	6.7	18	.6		36
18	52		6	60	38	30	640	6.2	20	.8		34
19	53		6	92	26	26	640	6.5	50	.8		46
20	54		8	130	20	22	160	6.4	56	.8		42
21	55		10	100	16	26	120	8.2	18	.8		40
22	56		10	40	12	20	120	5.0	16	.6		32
23	57		6	80	16	32	1100	1.0	22	.4		30
24	58		6	230	22	34	800	6.0	52	.4		36
25	59		4	14	6	8	120	1.2	58	.8		40
26	5GWS 60		8	96	16	24	120	7.0	8	.2		20
27												20
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												

COMMENT:

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_

INV. 5181

# AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Nov. 28 1975  
 PROJECT # 701  
 REQUESTED BY D ALLEN

TYPE SAMPLES \_\_\_\_\_  
 LOCATION SARITA RIVER  
 DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni	Co	Mn	Pb	Ag	Zn	Fe		No.
01	56WS 80		38	30	22	32	160	20	1.0	32	8.5		
02	81		16	36	16	20	120	16	.6	34	7.2		01
03	82		8	10	12	14	140	14	.4	20	4.3		02
04	83		8	8	10	14	160	16	.4	16	3.5		03
05	84		10	50	14	18	140	20	.6	52	4.2		04
06	85		18	100	22	36	400	38	1.0	90	6.0		05
07	86		32	64	18	20	200	24	.6	38	1.3		06
08	87		14	54	20	22	220	20	.8	42	6.0		07
09	88		10	48	16	20	220	16	.6	40	5.2		08
10	89		8	48	18	30	300	30	1.0	70	5.8		09
11	90		8	60	18	28	1800	54	.6	100	4.6		10
12	591		4	30	14	24	220	16	.6	52	5.5		11
13	L 93		44	200	20	52	840	18	.6	50	6.4		12
14	5 94		16	116	18	22	140	16	.6	18	5.0		13
15	91		16	210	18	26	180	18	1.0	20	6.2		14
16	96		42	60	16	20	120	14	.6	14	6.3		15
17	97		80	104	20	28	160	18	.6	22	8.4		16
18	L 99		20	70	30	58	1480	24	.8	50	6.8		17
19	5 100		4	48	20	32	160	16	.8	22	9.2		18
20	101		4	30	26	30	220	20	1.0	32	6.6		19
21	102		2	20	16	26	120	12	.4	14	6.5		20
22	103		4	24	20	22	180	18	.6	30	5.2		21
23	104		6	12	14	16	140	12	.4	14	4.0		22
24	105		6	8	10	10	120	6	.4	8	1.6		23
25	106		12	26	16	20	120	18	.6	18	6.0		24
26	107		4	20	14	20	120	18	.6	22	5.6		25
27	108		14	54	16	20	120	16	.6	24	6.0		26
28	109		16	20	14	20	140	14	.6	20	5.6		27
29	110		8	24	16	22	160	16	.6	20	6.5		28
30	111		6	54	20	24	120	20	.8	32	8.1		29
31	112		34	102	16	16	160	12	.6	18	5.0		30
32	113		114	78	28	30	120	10	.8	14	8.7		31
33	114		52	190	20	24	220	10	.6	28	7.2		32
34	115		10	120	72	30	160	16	.8	20	9.2		33
35	116		22	104	22	24	100	20	1.0	14	6.2		34
36	117		52	120	32	26	200	14	.8	24	7.2		35
37	118		46	40	20	20	160	10	.4	14	6.0		36
38	119		60	60	22	22	160	12	.8	18	5.6		37
39	56WS 120		32	24	14	16	180	10	.8	12	4.8		38
40	G 21		14	1000	26	24	200	52	1.2	180	4.2		39

COMMENT:

39

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_



INV.  
5181

# AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE NOV 28/75 TYPE SAMPLES \_\_\_\_\_  
 PROJECT # 701 LOCATION SPRITZ RIVER  
 REQUESTED BY D. ALLEN DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni	Co	Mn	Fe	Pb	Zn	PCB	W	No.
01	5GWS121		64	70	14	16	120	3.8	.6	18	10		01
02	122		50	66	16	20	140	6.6	.8	20	10		02
03	123		8	20	16	20	140	6.2	.4	16	8		03
04	124		150	100	20	38	600	7.3	.8	38	18		04
05	125		40	54	20	24	160	7.8	.4	16	10		05
06	126		20	32	16	16	100	4.2	.4	10	12		06
07	127		20	80	22	24	180	7.4	.6	18	16		07
08	128		6	18	18	22	180	6.6	.6	24	14		08
09	129		6	38	30	34	220	9.5	.8	20	20		09
10	130		4	30	12	18	160	4.8	.4	6	10		10
11	131		2	86	18	24	100	8.0	.6	8	16		11
12	132		2	98	20	24	160	7.6	.8	12	16		12
13	L 133		12	166	30	38	160	6.5	.8	42	16		13
14	S134		6	84	20	26	200	8.0	.8	22	14		14
15	135		20	36	16	20	160	6.4	.6	20	12		15
16	136		12	30	14	18	160	6.4	.4	10	12		16
17	137		10	18	16	14	160	4.1	.4	14	14		17
18	138		6	22	14	20	180	5.3	.4	12	14		18
19	139		4	34	14	16	140	3.7	.4	22	14		19
20	140		12	54	16	20	180	5.0	.8	28	12		20
21	141		4	18	20	22	100	5.7	.6	14	12		21
22	142		6	20	14	18	100	4.4	.4	22	14		22
23	143		10	48	18	22	200	5.2	.4	30	14		23
24	144		4	34	20	34	420	4.7	.8	30	18		24
25	145		4	8	10	10	160	1.8	.4	12	8		25
26	146		6	20	14	16	100	4.3	.4	16	16		26
27	147		8	28	16	20	180	5.8	.4	22	16		27
28	148		10	38	16	20	140	5.2	.6	22	14		28
29	149		10	22	14	20	240	4.2	.4	22	10		29
30	150		4	58	18	20	160	4.4	.4	20	12		30
31	151		10	34	18	24	100	6.8	.4	20	10		31
32	152		20	80	14	20	160	4.8	.6	20	10		32
33	153		6	10	10	10	200	1.6	.6	14	6		33
34	154		16	50	14	20	100	5.3	.6	20	12		34
35	155		60	70	14	22	80	5.9	.4	14	14		35
36	156		16	30	14	18	160	4.0	.8	22	14		36
37	157		38	70	12	18	220	3.4	.4	42	16		37
38	T158		12	50	20	34	640	2.1	.4	60	10	2	38
39	15158		26	24	16	20	160	5.7	.6	22	16		39
40	S159		8	20	16	20	120	6.6	.4	20	14		40

COMMENT: 40  
39 + 1R

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_

NV.  
5181

# AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE NOV 28 1975  
 PROJECT # 701  
 REQUESTED BY S D ALLEN

TYPE SAMPLES \_\_\_\_\_  
 LOCATION SARITA RIVER  
 DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni	Co	Mn	Fe	Pb	Zn	Pb	W	No.
01	5GWS160		8	34	14	16	280	3.5	.4	32	16		01
02	161		2	20	12	16	400	2.8	.4	30	6		02
03	162		6	36	14	18	200	3.8	.6	30	18		03
04	163		4	32	26	28	120	7.6	.6	32	14		04
05	T 164		6	12	20	26	240	5.5	.8	22	10	0	05
06	S 165		2	22	20	26	240	6.2	.4	12	12		06
07	166		4	30	28	150	1560	6.0	.6	50	16		07
08	167		6	52	16	16	200	5.5	.6	32	20		08
09	168		6	20	14	18	120	3.6	.8	24	16		09
10	169		2	116	16	26	400	4.2	.4	40	10		10
11	170		2	42	22	22	220	5.5	.6	42	18		11
12	171		4	68	20	20	200	6.0	.6	24	16		12
13	172		4	26	20	28	300	4.4	.6	42	18		13
14	173		2	14	20	28	180	8.2	.8	28	20		14
15	174		4	14	16	20	180	6.0	.4	20	12		15
16	175		2	26	12	20	400	3.0	.4	34	10		16
17	176		2	14	16	22	200	6.0	.6	32	16		17
18	177		2	16	14	16	160	4.5	.6	42	20		18
19	178		2	18	12	14	220	3.3	.6	32	20		19
20	179		4	18	16	20	160	4.2	.4	32	18		20
21	180		2	14	16	24	620	4.2	.6	124	20		21
22	181		2	34	18	24	200	3.5	.4	64	18		22
23	182		6	30	16	20	400	3.9	.6	50	20		23
24	183		6	28	20	30	900	4.2	.4	68	16		24
25	184		6	40	22	30	420	4.6	.4	50	20		25
26	185		10	50	16	20	240	4.0	.4	24	12		26
27	186		10	48	16	20	240	4.4	.4	28	14		27
28	187		4	46	14	18	180	5.5	.6	22	16		28
29	188		6	56	22	24	120	7.4	.8	22	16		29
30	189		4	20	16	18	360	4.2	.4	20	16		30
31	190		2	52	20	20	420	4.6	.4	32	16		31
32	191		16	180	32	40	300	9.4	.8	32	20		32
33	192		18	124	26	32	300	7.7	.6	36	16		33
34	193		6	12	26	30	240	7.0	.8	40	16		34
35	194		16	48	16	20	200	4.2	.4	30	14		35
36	195		2	30	14	18	120	5.3	.4	14	12		36
37	196		6	32	20	24	120	6.6	.6	20	18		37
38	5GWN 98												38
39	5GWN 98												39
40													40

COMMENT:

39 + 12

DATE SAMPLES RECEIVED \_\_\_\_\_

DATE REPORTS MAILED \_\_\_\_\_

ANALYST \_\_\_\_\_



11V-5181

# AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Nov. 28 / 71

TYPE SAMPLES \_\_\_\_\_

PROJECT # 701

LOCATION SARITA RIVER

REQUESTED BY D. ALLEN

DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni	Co	Mn	Fe	Hg	Zn	Pb	W	No.
01	5GR5360		16	50	14	20	200	3.8	.6	30	12		01
02	361		30	84	14	20	160	4.3	.6	24	18		02
03	362		70	140	16	24	160	6.0	.8	24	20		03
04	363		34	100	16	20	100	4.8	.4	24	14		04
05	T 364		60	146	14	22	120	3.4	.4	12	8	2	05
06	S 365		26	62	16	24	160	5.2	.6	20	16		06
07	366		30	104	20	22	180	5.0	.6	32	20		07
08	367		32	60	14	20	100	6.0	.6	12	18		08
09	368		86	132	16	20	100	4.4	.4	32	18		09
10	369		26	70	22	28	100	7.7	.6	14	20		10
11	370		30	142	16	24	120	5.0	.6	32	32		11
12	371		10	26	12	16	200	3.1	.4	12	10		12
13	372		12	40	16	20	120	4.8	.6	22	12		13
14	373		6	30	28	32	140	8.6	.4	14	18		14
15	374		6	50	16	22	120	5.8	.8	20	24		15
16	375		8	40	18	20	120	5.4	.6	14	12		16
17	376		8	60	20	30	160	7.2	.6	32	24		17
18	377		2	14	26	28	360	6.0	.4	22	28		18
19	378		34	122	20	22	120	5.2	.6	30	20		19
20	L 380		14	104	28	34	700	5.6	.6	40	20		20
21	S 381		2	16	6	10	120	1.6	.4	10	16		21
22	382		4	40	22	26	240	6.2	.8	24	32		22
23	383		60	120	16	24	160	4.6	.6	24	20		23
24	384		6	32	18	24	240	5.8	.8	32	20		24
25	385		6	38	12	16	100	3.7	.6	34	22		25
26	386		4	28	18	22	200	5.8	.6	26	16		26
27	387		4	26	16	20	180	4.8	.8	30	16		27
28	388		6	30	18	24	200	5.3	.8	42	20		28
29	389		12	44	22	26	240	6.4	.8	42	28		29
30	390		8	38	20	24	240	6.2	.6	38	24		30
31	391		4	20	16	20	200	4.5	.6	22	16		31
32	T 392		14	30	18	32	360	3.2	.4	24	16	2	32
33	S 393		18	26	16	20	120	5.3	.6	20	20		33
34	T 394		6	6	22	40	600	2.7	.4	22	20	0	34
35	S 395		8	12	14	18	160	4.3	.6	14	18		35
36	T 396		4	4	20	32	400	2.6	.4	14	10	0	36
37	T 397		6	14	18	24	440	2.4	.4	16	12	2	37
38	S 398		8	12	12	20	220	4.2	.6	42	20		38
39	T 399		2	42	20	24	360	2.5	.4	18	10	2	39
	G 26		8	22	16	14	400	2.4	.2	32	24		40

COMMENT:

39 + 6R

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_

CERT 5144 **AMAX EXPLORATION INC. ANALYTICAL REPORT**

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE NOV 28/75  
 PROJECT 701  
 REQUESTED BY D. ALLEN

TYPE SAMPLES WATER  
 LOCATION SARITA RIVER  
 DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni	Zn							No.
01	56WW9256	56	0	0		69							01
02		985.7	2	0		0							02
03													03
04													04
05													05
06													06
07													07
08													08
09													09
10													10
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36													36
37													37
38													38
39													39
40													40

COMMENT:

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_

# 114V.5788 AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Nov. 28/75 TYPE SAMPLES \_\_\_\_\_  
 PROJECT # 701 LOCATION SARITA RIVER  
 REQUESTED BY D. ALLEN DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni	Co	Mn	Fe	Pb	Zn	W	No.	
01	SGRT 401		6	1100	110	360	300	>10.0	1.8	52	16	2	01
02	S 402		8	30	14	16	120	4.6	.6	32	24		02
03	T 403		4	20	18	24	560	3.2	.2	42	14	4	03
04	S 404		10	50	14	20	180	5.2	.6	40	20		04
05	T 405		6	182	14	20	280	4.1	.4	22	10	4	05
06	T 406		8	6	20	32	200	1.8	.2	12	2	2	06
07	S 407		4	22	16	20	600	4.0	.4	100	16		07
* 08	SGRW 379												08
* 09	SGRW 400												09
10													10
11													11
12													12
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39													39
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COMMENT:

7 + 4R

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_



CERT. 5144

# AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Nov. 28/75

TYPE SAMPLES WATER

PROJECT 701

LOCATION SARITA RIVER

REQUESTED BY S. D. ALLEN

DISPOSITION OF REJECTS \_\_\_\_\_

P.P.B. P.P.B.

No.	Sample	pH	Mo	Cu	Ni	Zn							No.
01	5 GRW3795.3	5.3	2	0		0.7							01
02	4005.4	5.4	0	0		0							02
03													03
04													04
05													05
06													06
07													07
08													08
09													09
10													10
11													11
12													12
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34													34
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36													36
37													37
38													38
39													39
40													40

COMMENT:

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_

CERT. 5136  
INV. 5165

# AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE NOV 4, 1975

TYPE SAMPLES \_\_\_\_\_

PROJECT 701

LOCATION SARITA RIVER

REQUESTED BY DOIN ALLEN

DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni	Co	Mn	Fe	Ag	Zn	Pb		No.
01	5GRL327		18	62	18	30	1000	5.0	.4	48	12		01
02	5328		6	22	14	20	200	5.0	.6	24	14		02
03	329		8	10	10	16	160	4.4	.8	20	14		03
04	330		4	4	6	10	120	2.6	.4	20	4		04
05	331		6	12	6	8	80	1.8	.4	14	16		05
06	332		4	18	12	20	100	7.5	.8	22	28		06
07	333		4	14	4	10	80	3.2	.2	10	12		07
08	334		4	12	16	16	100	4.6	.4	22	22		08
09	5GRS331		4	8	10	14	100	4.3	.4	14	16		09
10	5GRS323		4	32	8	16	80	4.7	.8	20	24		10
11	324		4	22	10	20	120	6.5	.8	22	30		11
12	325		4	14	10	20	140	6.6	.6	20	24		12
13													13
14													14
15													15
16													16
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18													18
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33													33
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35													35
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37													37
38													38
39													39
40													40

COMMENT:

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_

# 5142

# AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE NOV 4 1975

TYPE SAMPLES WATER

PROJECT 701

LOCATION SARITA RIVER

REQUESTED BY \_\_\_\_\_

DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni								No.
01	5GRW326	7.4	0	0									01
02													02
03													03
04													04
05													05
06													06
07													07
08													08
09													09
10													10
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12													12
13													13
14													14
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35													35
36													36
37													37
38													38
39													39
40													40

COMMENT:

1+2

DATE SAMPLES RECEIVED \_\_\_\_\_  
DATE REPORTS MAILED \_\_\_\_\_  
ANALYST \_\_\_\_\_



# AMAX EXPLORATION INC. ANALYTICAL REPORT

INVOICE

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE OCT 29/75 TYPE SAMPLES SOIL  
 PROJECT 701 LOCATION SARITIA RIVER  
 REQUESTED BY D ALLEN DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni	Co	Mn	Fe	Pb	Zn	Pb	No.
01	5GR5311		56	82	18	20	320	450	.6	14	20	01
02	312		54	150	24	22	120	550	.8	32	32	02
03	313		10	32	16	20	220	500	.6	38	28	03
04	314		6	12	14	18	200	550	.6	20	26	04
05	315		4	26	20	26	200	680	.8	36	36	05
06	316		2	18	16	22	200	650	.8	30	32	06
07	317		6	22	26	30	200	640	.6	16	28	07
08	318		8	70	20	26	160	820	.8	18	28	08
09	319		10	170	18	28	180	10.0	1.0	20	36	09
10	320		20	140	18	26	120	8.6	.8	18	36	10
11	321		4	180	16	24	100	7.5	.8	38	40	11
12	322		18	340	18	36	600	8.2	.8	32	40	12
13	522		8	900	26	22	240	3.1	1.0	164	60	13
14												14
15												15
16												16
17												17
18												18
19												19
20												20
21												21
22												22
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35												35
36												36
37												37
38												38
39												39
40												40

COMMENT:

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_

# AMAX EXPLORATION INC. ANALYTICAL REPORT

CERT. 5131

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

INVOICE

DATE OCT 29/75 TYPE SAMPLES SOIL/ROCK  
 PROJECT 701 LOCATION SARITA RIVER  
 REQUESTED BY D. ALLEN DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni	Co Mn	Fe Ca	Ag	Zn	Pb	No.	
01	5GRT240		6	42	8	10	220	1.6	1.8	32	16	01
02	5GRS270		34	120	12	20	360	3.6	1.6	30	30	02
03	271		40	180	40	66	1000	5.8	1.2	82	48	03
04	273		84	140	32	48	600	5.9	.6	78	36	04
05	274		2	30	12	20	80	6.1	.8	28	40	05
06	275		2	14	14	12	160	3.6	1.6	20	34	06
07	276		12	10	12	16	120	5.0	.4	18	26	07
08	278		10	62	40	32	800	4.6	.4	48	32	08
09	279		2	14	14	20	200	6.0	.6	30	32	09
10	280		6	12	10	14	160	4.6	.4	14	28	10
11	282		26	46	12	20	360	3.5	.4	32	20	11
12	283		2	12	46	40	280	8.3	1.6	24	36	12
13	284		4	14	14	20	200	5.4	1.6	30	36	13
14	285		2	2	8	10	260	2.0	.4	8	28	14
15	286		4	2	10	14	200	3.2	.4	18	24	15
16	287		4	4	4	10	220	1.6	.2	16	20	16
17	288		10	10	12	14	200	3.2	.4	112	24	17
18	289		18	16	16	26	160	4.6	.4	204	36	18
19	290		8	10	10	16	200	2.8	.4	20	24	19
20	291		70	46	16	24	160	6.0	.6	24	28	20
21	292		64	210	18	30	160	8.0	.8	22	30	21
22	293		10	72	20	26	160	8.6	.8	24	36	22
23	294		68	70	16	22	140	6.2	.6	22	36	23
24	295		10	50	16	20	140	7.0	.4	16	34	24
25	296		4	80	20	24	120	9.0	.4	16	40	25
26	297		6	12	8	16	220	4.2	.4	8	28	26
27	298		10	10	16	10	140	1.7	.4	10	26	27
28	299		8	12	10	12	160	2.9	.4	10	26	28
29	300		140	80	12	18	140	5.3	1.6	32	40	29
30	301		4	8	12	18	180	5.5	.4	20	30	30
31	302		6	22	12	20	200	4.7	1.6	36	26	31
32	303		4	70	50	28	200	6.5	1.6	30	40	32
33	304		6	62	16	20	140	6.4	.8	30	40	33
34	305		4	70	52	30	560	5.0	.4	68	36	34
35	306		4	14	16	20	160	6.6	.4	24	26	35
36	307		4	30	16	20	240	4.8	1.6	44	28	36
37	308		8	52	20	28	280	5.9	.8	80	40	37
38	309		96	136	30	26	160	7.3	1.6	20	40	38
39	310		56	90	52	28	180	8.5	.8	22	20	39
40	G 22		54	240	36	12	220	1.8	.4	124	110	40

COMMENT:

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_

# AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Nov. 28/75

TYPE SAMPLES WATER

PROJECT 701

LOCATION SARITA RIVER

REQUESTED BY D. ALLEN

DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	PPB Mo ✓	PPB Cu ✓	Ni	Zn								No
01	56AW439	5.5	0	50		2/2								01
02														02
03														03
04														04
05														05
06														06
07														07
08														08
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39														39
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COMMENT:

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_



INV. 5181

# AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Nov 28/75  
PROJECT # 701  
REQUESTED BY D. ALLEN

TYPE SAMPLES \_\_\_\_\_  
LOCATION SARITA RIVER  
DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo	Cu	Ni	Co	Mn	Fe	Ag	Zn	Pb	W	No.
01	5GA T419		14	28	20	24	200	5.2	.4	24	8	4	01
02	T420		50	18	16	26	80	2.0	.2	12	6	4	02
03	T421		250	100	14	22	200	2.6	.2	16	8	2	03
04	T422		140	54	28	40	440	4.8	.4	70	12	20	04
05	T423		128	50	28	40	200	2.2	.2	12	6	4	05
06	S423		36	106	18	26	80	6.2	.8	42	20		06
07	424		78	130	16	28	400	4.2	.4	40	14		07
08	425		70	100	18	20	200	4.8	.6	52	16		08
09	T426		16	22	18	30	200	1.4	.2	20	8	2	09
10	S427		6	54	18	20	220	4.6	1.0	50	20		10
11	428		6	26	16	20	440	3.2	.4	50	12		11
12	429		6	28	16	16	200	4.4	.6	40	18		12
13	T430		4	94	38	40	440	5.6	.4	32	12	20	13
14	S431		6	210	32	50	360	7.2	1.6	50	16		14
15	432		4	40	40	36	200	6.8	.8	70	14		15
16	433		2	12	16	20	200	5.0	.4	24	12		16
17	434		4	64	28	32	600	4.0	.4	80	12		17
18	T435		4	104	34	36	460	5.5	.6	42	14	30	18
19	S436		4	64	20	26	400	4.2	.6	50	16		19
20	437		4	40	16	20	220	4.6	.8	48	22		20
21	438		10	480	30	34	200	8.4	1.2	40	22		21
22	T438		6	10	26	32	80	2.4	.4	28	14	2	22
23	L440		6	82	30	40	760	5.4	.6	126	20		23
24	S440		6	280	20	24	360	6.6	.6	42	22		24
25	441		4	92	18	30	440	7.4	1.0	40	22		25
26	T442		74	120	28	26	200	1.7	.2	24	6	2	26
27	T442		10	14	22	18	160	1.1	.2	18	4	2	27
28	T443		6	6	22	18	140	1.0	.4	22	10	2	28
29	T444		70	6	16	30	80	3.4	.6	22	10	0	29
30	S445		8	22	14	20	180	4.7	.4	40	14		30
31	446		6	24	14	20	200	5.0	.6	32	16		31
32	T447		10	70	52	24	180	1.8	.4	20	12	4	32
33	T448		10	100	24	32	220	2.6	.2	22	18	10	33
34	T449		110	46	32	24	260	2.0	.4	22	16	4	34
35	T450		6	16	18	30	560	2.8	.2	54	10	4	35
36													36
37													37
38													38
39													39
40													40

COMMENT:

35 + 17R

DATE SAMPLES RECEIVED \_\_\_\_\_  
DATE REPORTS MAILED \_\_\_\_\_  
ANALYST \_\_\_\_\_



INV. 5781

# AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Nov 28/75

TYPE SAMPLES \_\_\_\_\_

PROJECT # 701

LOCATION SARITA RIVER

REQUESTED BY D ALLEN

DISPOSITION OF REJECTS \_\_\_\_\_

No.	Sample	pH	Mo <sup>v</sup>	Cu <sup>v</sup>	Ni <sup>v</sup>	Co <sup>v</sup>	Mn	Fe	Pb	Zn	Pb	W	No.
01	5GRS 380		8	12	12	16	160	4.0	.6	16	16		01
02	381		68	130	16	20	200	5.0	.4	24	14		02
03	382		70	70	32	30	200	6.0	.4	32	16		03
04	383		68	68	16	24	100	4.7	.6	14	16		04
05	384		32	124	10	20	80	3.6	1.0	6	20		05
06	385		20	98	16	22	80	4.7	.6	46	26		06
07	386		56	166	16	26	200	5.5	.6	70	40		07
08	387		6	70	20	36	300	5.2	.6	340	140		08
09	5GAL 388		90	210	20	50	820	5.8	.6	50	22		09
10	5389		12	42	14	26	560	4.6	.4	90	16		10
11	390		2	26	14	18	200	3.2	.6	60	16		11
12	391		26	90	20	38	700	6.8	.8	42	18		12
13	392		20	54	14	20	120	4.3	.4	16	20		13
14	393		32	126	20	30	420	5.4	.6	50	22		14
15	L394		16	80	18	44	880	4.4	.4	52	22		15
16	T395		16	46	16	20	400	2.6	.4	24	8	2	16
17	T396		12	40	18	22	480	3.4	.4	50	10	2	17
18	5397		10	106	18	20	200	4.7	.8	52	16		18
19	T398		6	22	20	26	280	1.5	.2	14	4	0	19
20	5399		4	38	20	26	440	4.7	.6	40	18		20
21	L400		8	40	22	30	500	4.6	.6	62	18		21
22	5401		72	132	16	32	240	5.2	.6	24	16		22
23	402		160	170	18	26	100	5.5	1.0	24	18		23
24	T403		32	92	20	32	400	3.4	.4	30	14	2	24
25	5404		60	270	18	22	200	5.6	.6	30	18		25
26	405		58	350	22	26	200	5.0	.8	40	18		26
27	406		40	58	14	16	100	4.5	.4	12	12		27
28	407		70	150	16	26	120	5.8	.4	12	16		28
29	408		58	106	16	24	260	4.6	.6	40	16		29
30	409		184	250	12	16	80	4.4	.8	10	16		30
31	410		140	92	16	26	100	6.0	.6	30	12		31
32	411		34	52	16	20	220	4.6	.6	40	16		32
33	412		16	78	20	30	200	5.6	.8	42	16		33
34	413		14	32	20	24	200	5.6	1.0	50	18		34
35	414		16	170	40	30	120	8.5	.8	24	18		35
36	415		28	184	48	32	200	8.6	1.0	30	16		36
37	416		20	206	46	28	180	8.0	1.2	34	18		37
38	417		38	150	36	24	180	6.8	1.0	30	12		38
39	T418		42	52	24	48	150	1.6	.2	12	4	0	39
40	G27		28	260	32	10	420	1.2	-	760	-		40

COMMENT:

39+5R

DATE SAMPLES RECEIVED \_\_\_\_\_  
 DATE REPORTS MAILED \_\_\_\_\_  
 ANALYST \_\_\_\_\_

APPENDIX IV

LIST OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

NAME: BERNARD WRIGHT

DATE OF BIRTH: January 30,1950

EDUCATION:

Chomedey Catholic High School - Laval, P.Q. - Graduated 1968

Vancouver City College - September 1970 - January 1972

EXPERIENCE:

Canadian Pacific Railway  
North Wales Hospital, U.K.  
Brown Bros. Ford - Vancouver

Plans to return to University this Fall

STATEMENT OF QUALIFICATIONS

NAME: William R. Ridgway      DATE OF BIRTH: August 27, 1951

EDUCATION:      Killarney High School Vancouver - Graduated June, 1969  
University of British Columbia, Honours B.Sc. in Geology.  
Attended from September 1969 to May 1973.

EXPERIENCE:      May 1973 - 1974      Falconbridge Nickel Mines Limited





5772 M-3

LEGEND

- 8,28 Soil sample site; sample number; p.p.m. Mo, Cu.
- 16-42, 52-150 SOIL PROFILE 2 Soil profile site; profile number; sample numbers; range p.p.m. Mo, Cu.
- 6,48 Silt sample site; sample number, p.p.m. Mo, Cu.
- △ 0,50 Water sample site; sample number; p.p.b. Mo, Cu.
- ⊙ 110,46 Rock chip sample site; sample number; p.p.m. Mo, Cu.

- Claim post, claim location line.
- - - Claim boundary.
- Road.
- 250' Topographic contour (contour interval 25').
- ~ Stream.

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 5772 MAP 3

METAL CONCENTRATIONS IN SOIL, SILT AND ROCK

	Mo	Cu
Background	< 11	< 80
Positive	11 - 20	80 - 120
Anomalous	> 20	> 120

**AMAX EXPLORATION INC.**  
**SARITA RIVER PROPERTY**  
 ALBERNI MINING DIVISION — BRITISH COLUMBIA  
**WET CLAIMS**  
**GEOCHEMICAL MAP**  
 MOLYBDENUM

SCALE 0 400 800 FEET  
 0 200 400 METERS

DATE REVISION	DATE PRINTED	Drawn by: Date N.T.S. File
		FIG. 3a

To accompany "1975 GEOCHEMICAL REPORT ON THE SARITA RIVER PROPERTY" by: D. G. Allen.

Base map drawn by Pacific Survey Corporation in pencil manuscript form.





LEGEND

- 4.28 Soil sample site; sample number; p.p.m. Mo, Cu.
- SOIL PROFILE 2  
SOA 414 - 418  
16-42, 52-150 Soil profile site; profile number; sample numbers; range p.p.m. Mo, Cu.
- 6.82 Silt sample site; sample number, p.p.m. Mo, Cu.
- △ 0.50 Water sample site; sample number; p.p.b. Mo, Cu.
- ⊙ 10.46 Rock chip sample site; sample number; p.p.m. Mo, Cu.

- Claim post, claim location line.
- - - Claim boundary.
- Road.
- Topographic contour (contour interval 25').
- ~ Stream.

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 5772 MAP 4

METAL CONCENTRATIONS IN SOIL, SILT AND ROCK

	Mo	Cu
Background	< 11	< 80
Positive	11 - 20	80 - 120
Anomalous	> 20	> 120

Base map drawn by Pacific Survey Corporation in pencil manuscript form.

**AMAX EXPLORATION INC.**  
SARITA RIVER PROPERTY  
ALBERNI MINING DIVISION — BRITISH COLUMBIA  
WET CLAIMS  
**GEOCHEMICAL MAP**  
COPPER

SCALE 1:2000  
200 0 200 FEET  
200 0 200 METERS

DATE REVISED	DATE PRINTED	Drawn by: Date	<b>FIG. 3b</b>
		N.T.S. File 92 C 15	

To accompany "1975 GEOCHEMICAL REPORT ON THE SARITA RIVER PROPERTY" by: D. G. Allen.

*Donald S. Allen*