

MAP NO.

ASSESSMENT REPORT  
PROSPECTUS  
CONFIDENTIAL  
OPEN FILE

DOCUMENT NO.: 091993  
MINING DISTRICT: WHITEHORSE  
TYPE OF WORK: GEOLOGICAL MAPPING  
GEOCHEMICAL SAMPLING

115 H 4

REPORT FILED UNDER: Silverquest Resources Ltd.

DATE PERFORMED: August 15, 1986 - June 24, 1987

DATE FILED: January 6, 1988

LOCATION: LAT.: 61°12'N

AREA: Ruby Lake

LONG.: 137°45'W

VALUE \$: 2,000.00

CLAIM NAME & NO.: SHUT 1-4 YA95641-44  
SHUT 5-20 YB06888-903

WORK DONE BY: W.D. Eaton

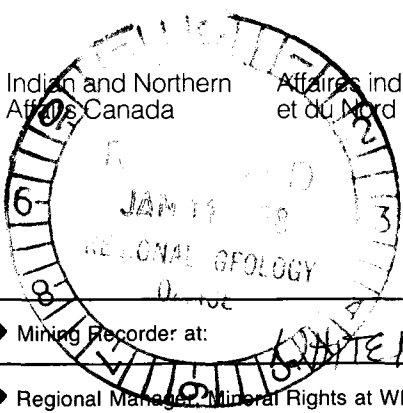
WORK DONE FOR: Silverquest Resources Ltd.

DATE TO GOOD STANDING | REMARKS: #32 SHUT

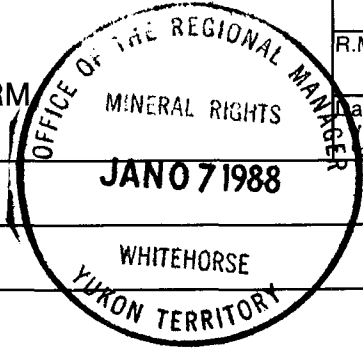



Indian and Northern Affairs Canada

Affaires indiennes et du Nord Canada



TRANSMITTAL FORM



M.R. file no.
R.M.M.R. file no.
Date forwarded JAN 88

From Mining Recorder at: WHITEHORSE

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

For action are:

<input type="checkbox"/> NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name	
<input type="checkbox"/> RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.
<input type="checkbox"/> AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.
<input type="checkbox"/> SECURITY DEPOSIT		
<input type="checkbox"/> FINANCIAL ABILITY		
<input type="checkbox"/> ASSIGNMENT OF PLACER LEASE NO.	From	To
<input type="checkbox"/> GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner	
<input type="checkbox"/> DIAMOND DRILL LOGS	Claims	Claim sheet no.
<input checked="" type="checkbox"/> QUARTZ ASSESSMENT REPORT	Claims <u>SHUT 1-4</u>	Claim sheet no. <u>115-H-4</u>
	Type of report <u>GEOL MAPPING &amp; GEOCH. SAMPLING</u>	Submitted by <u>ARCHER, CATHRO &amp; ASSOC.</u>
	Cls. work performed on	\$ req. for ren. application <u>2,000.00</u>

J. A. Brauer  
Signature

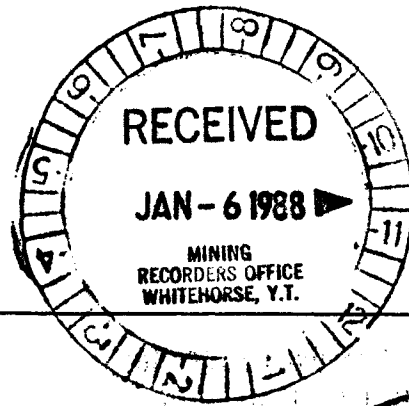
REPLY ACTION	Date returned
<u>Approved for amount required</u>	
<u>Jan. 21/88</u>	
<u>091993</u>	
<u>J. A. Brauer</u> Signature	

# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

1016-510 WEST HASTINGS STREET  
VANCOUVER, B. C. V6B 1L8



(604) 688-2568

Report On  
GEOLOGICAL MAPPING AND GEOCHEMICAL SAMPLING

Performed for

Silverquest Resources Ltd.

on its

SHUT 1- 4 CLAIMS (YA95641-YA95644)

SHUT 15-20 CLAIMS (YB06888-YB06903)

located in the

Whitehorse Mining District

at

Latitude 61°12'N; Longitude 137°45'W

on

NTS 115H/4

between

August 15, 1986 and June 24, 1987



W.D. Eaton, B.A., B.Sc.

November, 1987

1987 11 09

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 2000.00.

*J. L. Bremer*

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

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APPENDICES

- I Author's Statement of Qualifications
- II Personnel
- III Geochemical Results

NO 1003

INTRODUCTION

The Shut 1-4 claims were staked on August 7, 1986 to cover a drainage from which a stream sediment sample returned 276 ppb Au, as reported in Geological Survey of Canada Open File 1219. Between August 15 and 23, soil sampling and prospecting traverses were done on and adjacent to the property from a two-man fly camp on Ruby Lake, some 1.5 km to the southwest. Additional follow-up prospecting and sampling was performed by the author on June 24, 1987. Sixteen claims were added to the southwest corner of the claim block on July 31 to cover soil geochemical anomalies outlined by the 1986 work. The Author's Statement of Qualifications is in Appendix I while a list of personnel who worked on the property appears in Appendix II.

PROPERTY, LOCATION AND ACCESS

The property consists of 20 contiguous mineral claims that are 100% owned by Silverquest Resources Ltd. and are registered with the Whitehorse Mining Recorder as follows:

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Expiry Date</u>
Shut 1-4	YA95641-YA95644	August 7, 1992
Shut 5-20	YB06888-YB06903	August 6, 1988

The claims are located at latitude 61°12' and longitude 137°45' on NTS sheet 115H/4, as shown on Figure 1 on the following page. Access in 1986 was by float-equipped Otter from Whitehorse to Ruby Lake, while the 1987 work was done using a Bell 206B helicopter based in Whitehorse.

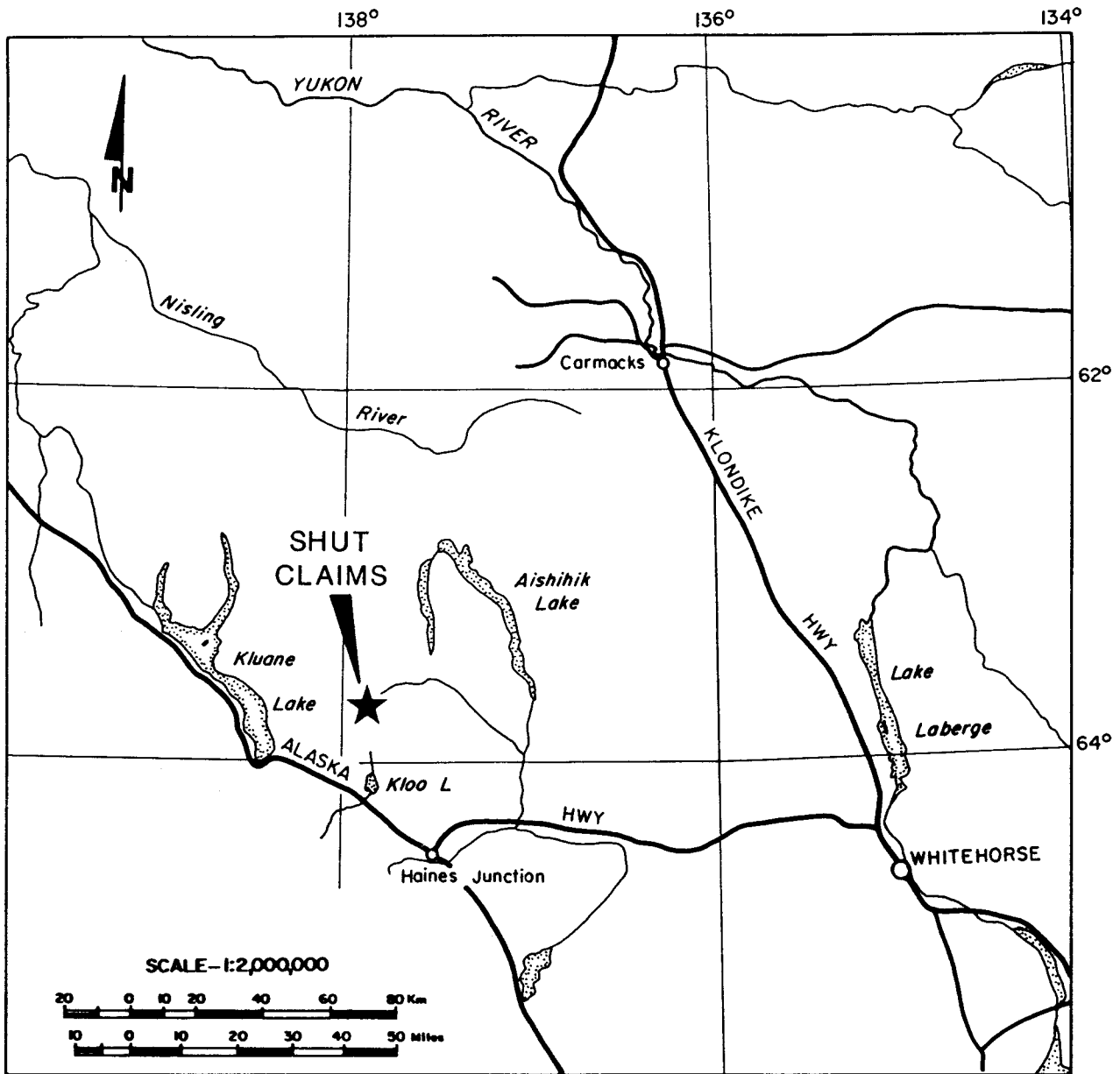


Figure 1  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
 SHUT PROPERTY  
 SILVERQUEST RESOURCES LTD.

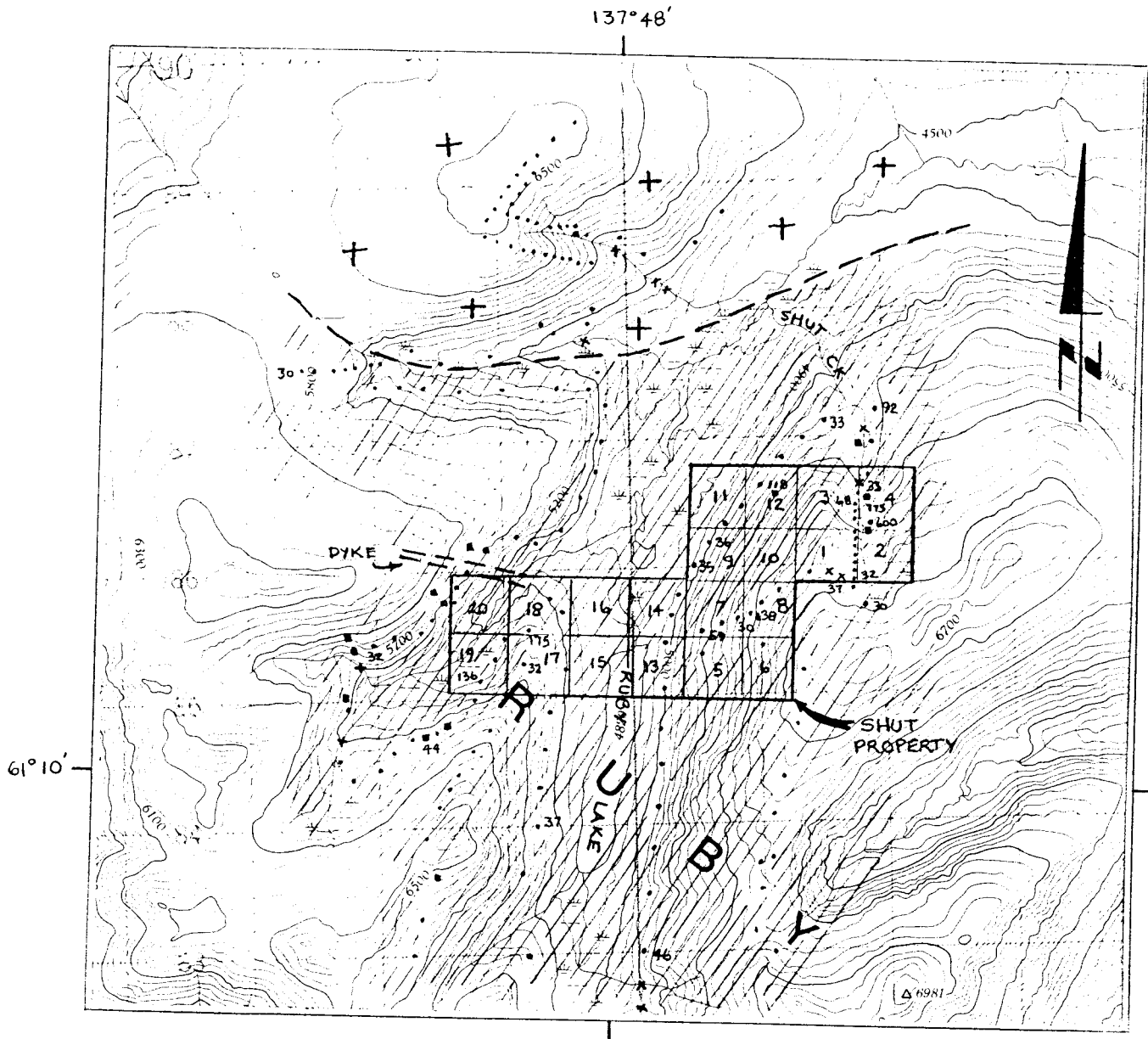
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### GEOLOGY

The Shut property is located north of the Shakwak Fault in the Taku Terrane, one of several allochthonous packages accreted to the western side of North America during Mesozoic times. The terrane consists principally of high grade metamorphic rocks that are cut by numerous granitic bodies belonging to the Coast Plutonic Complex. Figure 2 on the following page illustrates the geology of the property and surrounding area.

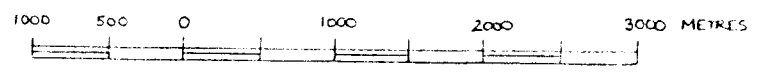
The metamorphic suite in the vicinity of the property is limited to relatively homogeneous, blocky weathering, biotite-quartz schist. Quartz ± andalusite ± amphibolite ± garnet veins often cut foliation in the schists at high angles while simple quartz veins commonly parallel foliation. The andalusite usually forms a selvage on the veins and is frequently associated with muscovite. Large tabular crystals of andalusite or kyanite were noted in a few schist specimens.

A large stock of Triassic granodiorite lies 1.5 km north of the property and narrow granodiorite and diorite dykes are widely scattered throughout the metamorphic rocks. Dykes up to 75 cm wide are found cutting schist talus on the Shut 1, 3 and 5 to 10 claims. Diorite is more abundant than granodiorite and crosscutting relationships indicate that it is the older of the two units. Epidote veinlets are common in both intrusive units, while quartz ± feldspar ± muscovite ± black tourmaline veins were noted in intrusive and schist float near the mouth of the creek draining the property (Shut Creek).



- + TRIASSIC GRANDIORTITE & DIORITE
- QUARTZ-BIOTITE SCHIST
- GEOLOGICAL CONTACT
- 58 SOIL SAMPLE SITE WITH AU VALUES ≤ 30PPB
- X SILT SAMPLE SITE " " " "
- ROCK SAMPLE SITE " " " "

FIGURE 2  
 ARCHER, CATHKO AND ASSOCIATES (1981) LIMITED  
 GEOLOGICAL, GEOCHEMICAL AND  
 CLAIM COMPILATION  
 SHUT 1-20 CLAIMS  
 SILVERQUEST RESOURCES LTD.



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### MINERALIZATION

Prior to 1987, no mineral occurrence had been recorded in this part of Taku Terrane although placer gold has been mined from several creeks draining the area. In summer 1987, two independent prospectors located gold-bearing quartz veins on their Lib claims, 2 km east of the Shut property. The author visited the property on September 23 and examined the main area of interest which consists of four hand trenches across a 30 m long arsenopyrite-rich quartz lens developed in a 10 m wide northeast-trending, recessive weathering shear zone. Two other similar structures are aligned subparallel to the mineralized shear. A sample of arsenopyrite-rich material collected by the author assayed 0.468 oz/ton Au while a chip sample across the widest part of the lens returned 0.086 oz/ton Au over 1 m.

The only sulphide minerals noted on the Shut property are pyrite, which occurs as disseminations in the intrusive units and as coatings on some tourmaline crystals in veins, and arsenopyrite which is disseminated throughout the matrix of a 15 by 10 by 8 cm slickensided specimen of brecciated schist collected on the east bank of Shut Creek. The arsenopyrite-bearing specimen exhibits a faint greenish cast, probably due to scorodite, and assayed 775 ppb Au and greater than 10,000 ppm As. All other rock samples returned near background values for these and other metals. Several topographic linears are visible on aerial photographs and when checked on the ground were found to be filled with blocky schist talus. Thus, it was not possible to determine whether or not the linears represent faults that might contain gouge or brecciated rocks.

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### SOIL GEOCHEMISTRY

A total of 236 soil and silt samples and 16 rock samples was collected on or near the property. All were sent to Chemex Labs Ltd. in North Vancouver where they were analyzed for gold using a fire assay preparation and neutron activation finish, plus thirty other elements by the Induced Coupled Plasma technique.

The quality of many soil samples is poor as much of the area is covered by talus or swamp. Volcanic ash and permafrost, which cause problems in many parts of the Yukon, were generally absent. The major valley bottoms are blanketed by a thick layer of glacial outwash and lateral moraines often cover the lower slopes up to 150 m above the valley floor.

Figure 2 shows sample locations and anomalous gold values (greater than 30 ppb). The highest single gold assay was 600 ppb obtained from a soil sample taken approximately 300 m upstream from the 775 ppb rock on the east side of Shut Creek. Other significant values were obtained from a 1000 by 500 m area immediately northeast of Ruby Lake (up to 138 ppb Au) and from a 500 by 300 m area northwest of the lake (up to 175 ppb Au). Arsenic is the only other metal that produced significant clusters of anomalous values and correlates well with gold, as illustrated by the tabulated geochemical results included in Appendix III.

DISCUSSION AND CONCLUSIONS

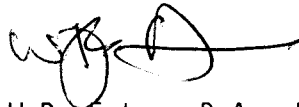
Results obtained from preliminary work are encouraging and the property will require more systematic exploration beginning with grid soil geochemistry and possibly electromagnetic surveys to better define the targets, followed by bulldozer trenching. The high gold and arsenic values obtained from the fault breccia float are highly significant when compared to the low backgrounds in the country rocks and suggest that recessive weathering fault zones may be the source of the metals in the anomalous soil samples. Prospecting of topographic linears and talus slopes is not likely to be effective because of the thick blanket of the blocky schist talus.

The recent discovery of a gold-rich, arsenopyrite-bearing quartz vein in a recessive weathering fault zone on the nearby Lib claims, coupled with the presence of placer gold in many creeks draining the Taku Terrane, suggests that the area may have much more potential than previously suspected.

The area's potential is further enhanced by a general correlation that exists between the Taku Terrane rocks and those in the Juneau gold belt, some 400 km to the southeast. The mines in the Juneau area produced 3.8 million ounces of gold between 1893 and 1959 from narrow sulphide-bearing quartz veins and disseminations in the adjacent wallrocks. This type of mineralization appears to be the main exploration target in the Shut area.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



W.D. Eaton, B.A., B.Sc.

/mc

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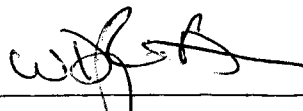
APPENDIX I  
AUTHOR'S STATEMENT OF QUALIFICATIONS

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STATEMENT OF QUALIFICATIONS

I, W. Douglas Eaton, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia, and residential address in Burnaby, British Columbia, do hereby declare:

1. I graduated from the University of British Columbia in 1980 with a B.Sc.
2. From 1971 to the present, I have been actively engaged in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981, became a partner in Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.



---

W. Douglas Eaton, B.A., B.Sc.

APPENDIX II  
PERSONNEL

66160

<u>NAME</u>	<u>POSITION</u>	<u>DATES ON PROPERTY</u>
W. Halleran	Geologist	August 15-23, 1986
D. McBeth	Geologist	August 15-23, 1986
D. Eaton	Geologist	June 24, 1987

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APPENDIX III  
GEOCHEMICAL RESULTS

091903



# Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To ARCHER CATHRO & ASSOC. (1981) LTD.

OX 4127

125 THIRD AVE.

WHITEHORSE, YT

Y1A 3S9

Project : SQ

Comments :

Page N : 1-A

Tot. l : 1

Date : 03-JUL-87

Invoice # : I-8716978

P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8716978

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
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CERTIFICATION :

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BRITISH COLUMBIA, CANADA V7J-2C1  
PHONE (604) 984-0221

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25 THIRD AVE.  
WHITEHORSE, YT  
Y1A 3S9  
Project: SQ  
Comments:

Page No 1-B  
Tot. Pa  
Date 03-JUL-87  
Invoice # I-8716978  
P.O. # NONE

## CERTIFICATE OF ANALYSIS A8716978

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091993

091993

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BRITISH COLUMBIA, CANADA V7J-1C1

PHONE (604) 984-0221

To ARCHER CATHRO & ASSOC. (1981) LTD.

OX 4127

125 THIRD AVE.

WHITEHORSE, YT  
Y1A 3S9

Project : SQ

Comments :

Page No : 1-A

Tot. : 1

Date : 03-JUL-87

Invoice # : I-8716977

P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8716977

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P23171	203	238	< 5	1.44	< 0.2	5	110	< 0.5	< 2	0.29	< 0.5	5	50	11	2.30	< 10	2	0.10	30	0.34	348
P23172	203	238	< 5	1.15	< 0.2	5	160	< 0.5	2	0.67	< 0.5	6	27	14	2.08	< 10	< 1	0.07	20	0.29	10600
P23173	203	238	< 5	1.23	< 0.2	< 5	170	< 0.5	< 2	0.47	< 0.5	3	27	14	1.40	< 10	3	0.05	10	0.24	224
P23174	203	238	< 5	0.87	< 0.2	< 5	130	< 0.5	< 2	0.40	< 0.5	3	21	12	1.06	< 10	1	0.06	10	0.23	171
P23484	203	238	15	2.81	< 0.2	25	360	< 0.5	< 2	0.19	< 0.5	14	122	46	3.76	< 10	7	0.93	10	0.96	473
P23485	203	238	5	2.29	< 0.2	15	330	< 0.5	< 2	0.23	< 0.5	11	112	34	3.27	< 10	< 1	0.84	10	0.88	469
P23486	203	238	25	2.87	< 0.2	40	380	< 0.5	< 2	0.36	< 0.5	20	119	46	4.02	< 10	5	0.84	10	1.11	674
P23487	203	238	30	3.10	< 0.2	70	250	< 0.5	< 2	0.26	0.5	17	95	47	3.81	< 10	< 1	0.59	10	0.96	685
P23488	203	238	25	2.94	< 0.2	70	250	0.5	< 2	0.22	< 0.5	10	94	42	3.49	< 10	2	0.63	10	0.88	430
P23489	203	238	600	2.51	< 0.2	870	210	< 0.5	2	0.42	3.5	18	96	45	3.87	< 10	2	0.43	20	0.89	683
P23490	203	238	20	2.44	< 0.2	115	240	< 0.5	< 2	0.27	< 0.5	11	110	37	3.45	< 10	4	0.56	10	0.83	562
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P23492	203	238	< 5	1.81	< 0.2	< 5	170	< 0.5	< 2	0.58	< 0.5	8	48	19	2.05	< 10	< 1	0.07	10	0.59	248
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P23498	203	238	< 5	1.50	< 0.2	< 5	100	< 0.5	< 2	0.23	< 0.5	5	52	13	2.60	< 10	< 1	0.09	10	0.32	316
P23499	203	238	< 5	1.37	< 0.2	< 5	80	< 0.5	< 2	0.38	< 0.5	6	53	19	2.37	< 10	< 1	0.10	20	0.46	333
P23500	203	238	< 5	2.16	< 0.2	5	100	< 0.5	< 2	0.29	< 0.5	7	48	20	2.63	< 10	1	0.10	20	0.54	337

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BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.

OX 4127

125 THIRD AVE.

• WHITEHORSE, YT  
Y1A 3S9

Project: SQ

Comments:

Page No: 1-B

Tot: 1

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P23173	203	238	< 1	0.04	5	910	10	< 5	< 10	47	0.05	< 10	< 10	37	< 5	46
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P23485	203	238	< 1	0.01	34	920	6	< 5	< 10	21	0.18	< 10	< 10	97	5	74
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P23490	203	238	< 1	0.02	34	740	4	< 5	< 10	22	0.19	< 10	< 10	95	5	93
P23491	203	238	< 1	0.01	30	680	< 2	< 5	< 10	19	0.15	< 10	< 10	79	< 5	79
P23492	203	238	< 1	0.06	9	1130	6	< 5	< 10	52	0.12	< 10	< 10	49	5	44
P23493	203	238	< 1	0.02	69	750	< 2	< 5	< 10	24	0.10	< 10	< 10	82	5	38
P23494	203	238	< 1	0.02	75	940	< 2	< 5	< 10	27	0.12	< 10	< 10	93	< 5	45
P23497	203	238	< 1	0.01	16	440	4	< 5	< 10	27	0.15	< 10	< 10	71	5	45
P23498	203	238	< 1	0.01	12	440	10	< 5	< 10	22	0.14	< 10	< 10	71	< 5	44
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P23500	203	238	< 1	0.01	16	440	16	< 5	< 10	22	0.14	< 10	< 10	59	< 5	53

601003

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# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers  
212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-1C1  
PHONE (604) 984-0221

T ARCHER CATRO & ASSOC. (1981) LTD.  
OX 4127  
3125 THIRD AVE.  
WHITEHORSE, YT  
Y1A 3S9  
Project : SQ  
Comments:

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091903

CERTIFICATION :



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BRITISH COLUMBIA, CANADA V7J-2C1

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To ARCHER CATHRO & ASSOC. (1981) LTD.

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25 THIRD AVE.

WHITEHORSE, YT

Y1A 3S9

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Invoice # : 1-8716978

P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8716978

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
P23170	255	238	< 1	0.01	12	410	10	10	10	92	< 0.01	< 10	< 10	45	5	35

001003

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 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

Tr ARCHER CATHRO & ASSOC. (1981) LTD.  
 OX 4127  
 1125 THIRD AVE.  
 WHITEHORSE, YT  
 Y1A 3S9  
 Project : SQ  
 Comments:

Page : 1-A  
 Tot. : 1  
 Date : 03-JUL-87  
 Invoice # : I-8716977  
 P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8716977

SAMPLE DESCRIPTION	PREP CODE		Au	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppb RUSH	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
P23171	203	238	< 5	1.44	< 0.2	5	110	< 0.5	< 2	0.29	< 0.5	5	50	11	2.30	< 10	2	0.10	30	0.34	345
P23172	203	238	< 5	1.15	< 0.2	5	160	< 0.5	2	0.67	< 0.5	6	27	14	2.08	< 10	< 1	0.07	20	0.29	1060
P23173	203	238	< 5	1.23	< 0.2	< 5	170	< 0.5	< 2	0.47	< 0.5	3	27	14	1.40	< 10	3	0.05	10	0.24	225
P23174	203	238	< 5	0.87	< 0.2	< 5	130	< 0.5	< 2	0.40	< 0.5	3	21	12	1.06	< 10	1	0.06	10	0.23	171
P23484	203	238	15	2.81	< 0.2	25	360	< 0.5	< 2	0.19	< 0.5	14	122	46	3.76	< 10	7	0.93	10	0.96	473
P23485	203	238	5	2.29	< 0.2	15	330	< 0.5	< 2	0.23	< 0.5	11	112	34	3.27	< 10	< 1	0.84	10	0.88	469
P23486	203	238	25	2.87	< 0.2	40	380	< 0.5	< 2	0.36	< 0.5	20	119	46	4.02	< 10	5	0.84	10	1.11	674
P23487	203	238	30	3.10	< 0.2	70	250	< 0.5	< 2	0.26	< 0.5	17	95	47	3.81	< 10	< 1	0.59	10	0.96	685
P23488	203	238	25	2.94	< 0.2	70	250	0.5	< 2	0.22	< 0.5	10	94	42	3.49	< 10	2	0.63	10	0.88	430
P23489	203	238	600	2.51	< 0.2	870	210	< 0.5	2	0.42	3.5	18	96	45	3.87	< 10	2	0.43	20	0.89	683
P23490	203	238	20	2.44	< 0.2	115	240	< 0.5	< 2	0.27	< 0.5	11	110	37	3.45	< 10	4	0.56	10	0.83	562
P23491	203	238	15	2.12	< 0.2	75	230	< 0.5	< 2	0.21	0.5	12	100	31	3.00	< 10	< 1	0.51	10	0.74	497
P23492	203	238	< 5	1.81	< 0.2	< 5	170	< 0.5	< 2	0.58	< 0.5	8	48	19	2.05	< 10	< 1	0.07	10	0.59	248
P23493	203	238	< 5	1.98	< 0.2	< 5	230	< 0.5	< 2	0.21	0.5	21	118	92	3.25	< 10	1	0.60	10	1.04	364
P23494	203	238	15	2.36	< 0.2	25	240	< 0.5	< 2	0.23	< 0.5	27	106	160	3.89	< 10	< 1	0.68	10	1.15	462
P23497	203	238	< 5	1.91	< 0.2	< 5	110	< 0.5	< 2	0.29	0.5	6	50	18	2.65	< 10	< 1	0.08	10	0.39	281
P23498	203	238	< 5	1.50	< 0.2	< 5	100	< 0.5	< 2	0.23	< 0.5	5	52	13	2.60	< 10	< 1	0.09	10	0.32	316
P23499	203	238	< 5	1.37	< 0.2	< 5	80	< 0.5	< 2	0.38	< 0.5	6	53	19	2.37	< 10	< 1	0.10	20	0.46	333
P23500	203	238	< 5	2.16	< 0.2	5	100	< 0.5	< 2	0.29	< 0.5	7	48	20	2.63	< 10	1	0.10	20	0.54	337

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BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.

OX 4127

125 THIRD AVE.

WHITEHORSE, YT

Y1A 3S9

Project: SQ

Comments:

Page No.: 1-B

Total Pages: 1

Date: 03-JUL-87

Invoice #: 1-8716977

P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8716977

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
P23171	203	238	< 1	0.02	11	420	14	< 5	< 10	24	0.08	< 10	< 10	46	< 5	51
P23172	203	238	< 1	0.02	9	800	< 2	< 5	< 10	78	0.05	< 10	< 10	46	< 5	93
P23173	203	238	< 1	0.04	5	910	10	< 5	< 10	47	0.05	< 10	< 10	37	< 5	46
P23174	203	238	< 1	0.04	3	680	16	< 5	< 10	40	0.05	< 10	< 10	27	< 5	55
P23484	203	238	< 1	0.01	39	660	< 2	< 5	< 10	20	0.19	< 10	< 10	110	< 5	75
P23485	203	238	< 1	0.01	34	920	6	< 5	< 10	21	0.18	< 10	< 10	97	5	74
P23486	203	238	< 1	0.02	45	1040	< 2	< 5	< 10	40	0.21	< 10	< 10	114	< 5	92
P23487	203	238	< 1	0.02	40	750	< 2	< 5	< 10	24	0.21	< 10	< 10	100	5	89
P23488	203	238	< 1	0.01	35	810	< 2	< 5	< 10	19	0.20	< 10	< 10	97	5	82
P23489	203	238	< 1	0.04	41	960	20	5	10	38	0.15	< 10	< 10	85	10	123
P23490	203	238	< 1	0.02	34	740	4	< 5	< 10	22	0.19	< 10	< 10	95	5	93
P23491	203	238	< 1	0.01	30	680	< 2	< 5	< 10	19	0.15	< 10	< 10	79	< 5	79
P23492	203	238	< 1	0.06	9	1130	6	< 5	< 10	52	0.12	< 10	< 10	49	5	44
P23493	203	238	< 1	0.02	69	750	< 2	< 5	< 10	24	0.10	< 10	< 10	82	5	38
P23494	203	238	< 1	0.02	75	940	< 2	< 5	< 10	27	0.12	< 10	< 10	93	< 5	45
P23497	203	238	< 1	0.01	16	440	4	< 5	< 10	27	0.15	< 10	< 10	71	5	45
P23498	203	238	< 1	0.01	12	440	10	< 5	< 10	22	0.14	< 10	< 10	71	< 5	44
P23499	203	238	< 1	0.02	14	610	122	< 5	< 10	25	0.12	< 10	< 10	59	5	49
P23500	203	238	< 1	0.01	16	440	16	< 5	< 10	22	0.14	< 10	< 10	59	< 5	53

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212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

Phone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ANALYSIS

TO : ARCHER CATHRO & ASSOC. (1981) LTD.  
1016 - 510 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6P 1L8

CERT. # : A8617111-001-A  
INVOICE # : I8617111  
DATE : 9-SEP-86  
P.O. # : NONE  
SG *Chill*

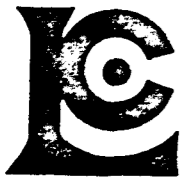
Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au NAA	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	U	V	W	Zr	
	ppb	%	ppb	ppb	ppb	ppb	ppb	%	ppb	ppb	ppb	ppb	%	ppb	%	ppb	%	ppb	ppb	%	ppb	ppb	ppb	ppb	%	ppb	ppb	ppb	ppb	ppb		
P 24257	1	0.05	0.2	<10	<10	<0.5	<2	0.01	<0.5	<1	195	5	0.33	<10	<0.01	<10	0.01	29	<1	<0.01	2	30	<2	<10	<1	<0.01	<10	<10	<1	<10	<2	--
P 24261	2	1.75	0.2	10	380	<0.5	<2	0.25	<0.5	10	228	38	3.00	<10	0.74	10	0.75	292	<1	0.01	22	1130	2	<10	23	0.15	<10	<10	93	<10	34	--
P 24268	<1	0.51	0.2	<10	10	<0.5	<2	0.22	<0.5	2	293	16	0.83	<10	<0.01	<10	0.17	88	<1	0.01	9	60	<2	<10	27	<0.01	<10	<10	8	<10	12	--
P 24295	<1	0.28	0.2	<10	40	<0.5	<2	0.03	<0.5	1	314	8	0.91	<10	0.07	<10	0.09	53	<1	0.01	6	160	<2	<10	20	0.01	<10	<10	11	<10	6	--
P 24344	<1	0.05	0.2	<10	10	<0.5	<2	0.01	<0.5	<1	282	3	0.30	<10	<0.01	<10	0.01	45	<1	<0.01	5	<10	<2	<10	1	<0.01	<10	<10	1	<10	2	--
P 24348	<1	1.21	0.2	<10	40	<0.5	<2	0.04	<0.5	4	315	3	1.71	<10	0.13	<10	0.77	338	<1	0.02	11	20	2	<10	4	<0.01	<10	<10	1	<10	30	--
P 24349	<1	0.03	0.2	<10	<10	<0.5	<2	<0.01	<0.5	<1	336	1	0.20	<10	<0.01	<10	0.01	37	<1	<0.01	5	<10	<2	<10	<1	<0.01	<10	<10	<1	<10	<2	--
P 24356	<1	0.26	0.2	<10	30	<0.5	<2	0.10	<0.5	1	375	13	0.74	<10	0.04	<10	0.07	52	<1	0.01	5	400	<2	<10	6	0.01	<10	<10	11	<10	6	--
P 24357	<1	0.03	0.2	<10	<10	<0.5	<2	<0.01	<0.5	<1	173	7	0.27	<10	<0.01	<10	<0.01	19	<1	<0.01	2	<10	<2	<10	<1	<0.01	<10	<10	<1	<10	<2	--
P 24359	<1	0.12	0.2	<10	20	<0.5	<2	0.02	<0.5	<1	401	4	0.45	<10	<0.01	<10	0.04	53	<1	0.01	5	80	<2	<10	3	<0.01	<10	<10	1	<10	<2	--
P 24367	<1	0.04	0.2	<10	<10	<0.5	<2	<0.01	<0.5	<1	215	3	0.25	<10	<0.01	<10	0.01	28	<1	<0.01	3	<10	<2	<10	<1	<0.01	<10	<10	1	<10	2	--
P 24369	<1	0.08	0.2	<10	10	<0.5	<2	0.18	<0.5	1	370	4	0.35	<10	<0.01	<10	0.01	38	<1	0.01	7	630	<2	<10	7	<0.01	<10	<10	2	<10	<2	--
P 24404	2	0.51	0.2	<10	30	<0.5	<2	0.04	<0.5	3	337	7	0.86	<10	0.06	<10	0.19	158	<1	0.01	8	120	<2	<10	2	0.01	<10	<10	8	<10	12	--
P 24415	<1	0.07	0.2	<10	10	<0.5	<2	0.10	<0.5	<1	384	3	0.36	<10	<0.01	<10	0.02	49	<1	<0.01	5	400	<2	<10	5	<0.01	<10	<10	2	<10	<2	--
P 24449	<1	2.90	0.2	10	180	<0.5	<2	1.88	<0.5	17	104	17	3.95	20	0.02	10	1.70	490	<1	0.18	25	1910	12	<10	124	0.21	<10	<10	21	<10	104	--

Certified by *Hart Bickler*



# Chemex Labs Ltd.

091993 Analytical Chemists

•Geochemists

•Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

Phone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ANALYSIS

TO : ARCHER CATHRO & ASSOC. (1981) LTD.

1016 - 510 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6E 1L8

CERT. # : A8617112-006-A  
INVOICE # : I8617112  
DATE : 14-SEP-86  
P.O. # : NONE  
SQ

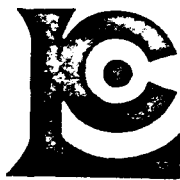
Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
P 24492	10	2.48	0.2	30	210	<0.5	<2	0.36	<0.5	16	249	39	4.42	10	0.29	10	0.84	588	2	0.03	39	740	8	<10	30	0.25	<10	<10	119	<10	114	--
P 24493	15	2.61	0.2	90	220	<0.5	<2	0.32	<0.5	18	111	39	3.92	<10	0.32	10	0.80	717	1	0.01	39	770	6	<10	23	0.21	<10	<10	102	<10	90	--
P 24494	.30	2.09	0.2	140	170	<0.5	<2	0.42	<0.5	16	130	36	3.58	10	0.43	20	0.72	592	1	0.02	35	990	6	<10	24	0.21	<10	<10	93	<10	86	--
P 24495	2	2.13	0.2	40	170	<0.5	<2	0.34	<0.5	16	83	40	4.09	<10	0.14	10	0.71	680	1	0.03	32	930	8	<10	26	0.18	<10	<10	106	<10	106	--
P 24496	<1	2.57	0.2	20	490	<0.5	<2	0.95	<0.5	17	103	32	3.92	10	0.26	10	1.12	475	1	0.04	25	1190	4	<10	74	0.26	<10	<10	90	<10	102	--
P 24497	1	2.22	0.2	20	470	<0.5	<2	0.66	<0.5	17	81	33	3.69	<10	0.32	10	1.00	378	1	0.04	25	1200	6	<10	46	0.25	<10	<10	87	<10	84	--
P 24498	<1	2.16	0.4	20	420	<0.5	<2	0.90	<0.5	18	95	28	3.38	10	0.16	10	1.02	466	<1	0.05	26	1350	6	<10	62	0.23	<10	<10	83	<10	82	--
P 24499	7	2.20	0.2	40	390	<0.5	<2	0.58	<0.5	15	86	28	3.24	<10	0.19	10	0.85	453	<1	0.03	30	1000	6	<10	39	0.19	<10	<10	80	<10	94	--
P 24500	7	2.99	0.4	170	350	<0.5	<2	0.50	<0.5	18	116	39	4.28	10	0.16	10	0.97	716	1	0.02	41	1290	10	<10	40	0.17	<10	<10	101	<10	112	--
R 12201	1	2.04	0.2	20	190	<0.5	<2	1.33	<0.5	11	46	17	2.04	10	0.11	10	0.72	241	<1	0.15	12	1400	4	<10	104	0.13	<10	<10	50	<10	56	--

Certified by H. Bickler



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## CERTIFICATE OF ANALYSIS

TO : ARCHER CATHRO & ASSOC. (1981) LTD.

1016 - 510 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6P 1L8

CERT. # : A8617112-005-A  
INVOICE # : I8617112  
DATE : 14-SEP-86  
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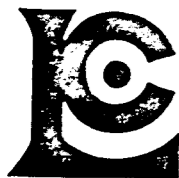
Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
P 24452	<1	2.79	0.2	20	260	<0.5	<2	0.76	<0.5	14	114	27	2.86	<10	0.10	10	0.80	366	1	0.10	15	1240	14	<10	67	0.19	<10	<10	62	<10	68	--
P 24453	<1	2.12	0.4	20	180	<0.5	<2	0.65	<0.5	13	75	22	2.83	<10	0.09	10	0.68	397	1	0.09	17	980	10	<10	49	0.18	<10	<10	66	<10	66	--
P 24454	4	2.09	0.2	20	200	<0.5	<2	0.59	<0.5	12	48	23	2.35	<10	0.06	10	0.61	331	1	0.06	14	1200	12	<10	45	0.13	<10	<10	52	<10	52	--
P 24455	19	1.75	0.2	10	160	<0.5	2	0.95	<0.5	10	42	18	2.01	<10	0.07	10	0.58	235	<1	0.10	10	1380	8	<10	60	0.14	<10	<10	49	<10	42	--
P 24456	3	2.02	0.2	20	180	<0.5	<2	0.95	<0.5	12	42	20	2.23	<10	0.09	10	0.67	270	<1	0.11	13	1340	8	<10	63	0.16	<10	<10	54	<10	48	--
P 24457	2	1.81	0.2	20	140	<0.5	2	0.65	<0.5	10	39	20	2.27	<10	0.05	10	0.60	294	<1	0.05	16	1000	8	<10	44	0.14	<10	<10	53	<10	48	--
P 24458	2	2.31	0.2	20	150	<0.5	<2	0.89	<0.5	13	82	21	2.75	<10	0.08	10	0.98	365	<1	0.07	29	1270	10	<10	79	0.20	<10	<10	63	<10	60	--
P 24459	4	1.98	0.2	10	150	<0.5	<2	0.80	<0.5	11	35	18	2.35	<10	0.09	10	0.71	285	<1	0.06	12	1230	8	<10	49	0.18	<10	<10	55	<10	48	--
P 24460	<1	1.95	0.2	20	120	<0.5	<2	1.08	<0.5	12	62	20	2.76	<10	0.08	10	0.78	378	<1	0.10	15	1430	10	<10	69	0.17	<10	<10	63	<10	58	--
P 24461	<1	1.83	0.4	10	170	<0.5	<2	0.59	<0.5	13	40	19	2.61	<10	0.10	10	0.70	310	<1	0.05	18	920	10	<10	39	0.19	<10	<10	59	<10	56	--
P 24462	<1	1.86	0.2	10	100	<0.5	<2	0.91	<0.5	10	62	15	2.25	<10	0.06	10	0.69	304	<1	0.07	11	1300	10	<10	78	0.16	<10	<10	51	<10	48	--
P 24463	<1	1.99	0.4	10	180	<0.5	<2	0.83	<0.5	12	50	24	2.39	<10	0.09	10	0.69	310	<1	0.08	14	1310	8	<10	57	0.16	<10	<10	54	<10	58	--
P 24464	1	1.91	0.2	10	130	<0.5	<2	0.62	<0.5	10	50	19	2.14	<10	0.07	10	0.60	275	<1	0.08	18	600	6	<10	47	0.15	<10	<10	48	<10	48	--
P 24465	<1	1.96	0.2	10	270	<0.5	<2	0.75	<0.5	12	44	21	2.57	<10	0.14	10	0.75	297	<1	0.05	13	1380	10	<10	47	0.19	<10	<10	54	<10	56	--
P 24466	<1	2.14	0.2	20	210	<0.5	<2	1.07	<0.5	12	64	22	2.18	<10	0.10	10	0.73	267	<1	0.12	14	1370	10	<10	88	0.16	<10	<10	57	<10	48	--
P 24467	3	1.90	0.2	20	100	<0.5	<2	0.81	<0.5	11	45	19	2.29	<10	0.05	10	0.67	385	<1	0.06	14	1150	10	<10	59	0.13	<10	<10	51	<10	52	--
P 24468	2	2.03	0.2	20	120	<0.5	<2	0.75	<0.5	11	52	21	2.27	<10	0.08	10	0.66	305	<1	0.07	15	1010	10	<10	51	0.15	<10	<10	50	<10	54	--
P 24469	<1	1.85	0.2	20	140	<0.5	<2	0.48	<0.5	11	55	23	2.59	<10	0.05	10	0.67	334	<1	0.04	20	650	10	<10	34	0.17	<10	<10	55	<10	56	--
P 24470	2	2.06	0.2	10	170	<0.5	<2	0.60	<0.5	11	57	24	2.42	<10	0.07	10	0.61	319	1	0.06	15	1330	8	<10	44	0.12	<10	<10	50	<10	52	--
P 24471	<1	1.93	0.2	10	150	<0.5	2	0.80	<0.5	11	46	21	2.18	<10	0.09	10	0.64	276	<1	0.08	13	1090	12	<10	62	0.15	<10	<10	48	<10	52	--
P 24472	<1	2.95	0.2	20	180	<0.5	<2	0.95	<0.5	15	61	25	3.49	<10	0.07	10	1.14	567	<1	0.05	15	950	10	<10	72	0.20	<10	<10	68	<10	76	--
P 24473	<1	1.99	0.2	20	80	<0.5	<2	0.62	<0.5	11	50	21	2.36	<10	0.04	10	0.74	284	<1	0.06	23	580	12	<10	46	0.17	<10	<10	55	<10	50	--
P 24474	1	2.36	0.2	20	160	<0.5	2	0.75	<0.5	11	59	24	2.10	<10	0.06	10	0.63	254	<1	0.10	15	890	12	<10	69	0.14	<10	<10	48	<10	46	--
P 24475	2	2.31	0.2	10	190	<0.5	<2	0.79	<0.5	11	40	25	2.05	<10	0.06	10	0.64	215	<1	0.10	12	890	8	<10	80	0.13	<10	<10	46	<10	44	--
P 24476	<1	2.08	0.2	10	200	<0.5	2	1.19	<0.5	11	47	22	1.92	<10	0.10	10	0.65	239	<1	0.17	9	1170	8	<10	91	0.15	<10	<10	47	<10	44	--
P 24477	2	2.16	0.2	10	180	<0.5	<2	1.26	<0.5	11	36	20	1.88	<10	0.12	10	0.63	239	<1	0.16	9	1290	8	<10	104	0.14	<10	<10	45	<10	48	--
P 24478	3	2.36	0.2	10	100	<0.5	<2	0.60	<0.5	11	58	24	2.40	<10	0.06	10	0.63	259	<1	0.07	17	670	12	<10	54	0.14	<10	<10	58	<10	50	--
P 24479	3	2.21	0.2	30	210	<0.5	<2	0.42	<0.5	16	103	44	3.39	<10	0.38	10	0.84	508	<1	0.02	40	970	12	<10	24	0.20	<10	<10	92	<10	80	--
P 24480	5	1.60	0.2	30	110	<0.5	<2	0.33	<0.5	13	75	31	2.95	<10	0.16	10	0.58	396	<1	0.05	24	680	12	<10	25	0.16	<10	<10	79	<10	72	--
P 24481	5	2.53	0.2	30	210	<0.5	<2	0.39	<0.5	17	98	41	3.72	<10	0.17	20	0.82	453	1	0.03	39	580	5	<10	33	0.19	<10	<10	93	<10	80	--
P 24482	26	2.40	0.4	90	180	<0.5	<2	0.45	<0.5	17	142	42	3.70	<10	0.24	10	0.86	566	<1	0.02	45	840	12	<10	28	0.19	<10	<10	99	<10	94	--
P 24483	10	2.36	0.2	100	190	<0.5	2	0.40	<0.5	21	101	49	3.77	<10	0.29	10	0.88	595	<1	0.04	44	830	12	<10	30	0.19	<10	<10	94	<10	104	--
P 24484	1	1.51	0.2	30	130	<0.5	<2	0.32	<0.5	10	82	26	2.38	<10	0.17	<10	0.50	354	<1	0.07	23	630	10	<10	26	0.13	<10	<10	63	<10	56	--
P 24485	8	2.42	0.2	50	210	<0.5	<2	0.40	<0.5	13	125	40	3.43	<10	0.45	10	0.77	492	<1	0.02	37	970	12	<10	25	0.20	<10	<10	93	<10	80	--
P 24486	6	2.72	0.4	50	240	<0.5	<2	0.38	<0.5	14	130	41	2.67	<10	0.32	10	0.83	501	<1	0.03	38	880	14	<10	32	0.21	<10	<10	102	<10	88	--
P 24487	8	2.86	0.2	50	300	<0.5	<2	0.43	<0.5	19	139	46	4.24	10	0.56	20	0.98	630	1	0.02	48	850	4	<10	30	0.28	<10	<10	122	<10	96	--
P 24488	18	2.53	0.4	110	260	<0.5	<2	0.30	<0.5	17	141	34	3.70	10	0.45	10	0.89	536	<1	0.02	48	780	6	<10	22	0.20	<10	<10	95	<10	96	--
P 24489	2	2.97	0.2	50	200	<0.5	<2	0.39	<0.5	21	124	39	4.73	10	0.22	10	0.97	905	2	0.02	42	890	8	<10	33	0.19	<10	<10	116	<10	106	--
P 24490	6	2.29	0.2	40	180	<0.5	<2	0.37	<0.5	19	111	38	3.74	<10	0.22	10	0.78	546	1	0.03	41	850	6	<10	26	0.19	<10	<10	94	<10	90	--
P 24491	4	2.40	0.4	60	170	<0.5	<2	0.36	<0.5	17	98	35	4.11	10	0.20	10	0.78	468	1	0.01	40	490	8	<10	24	0.22	<10	<10	100	<10	102	--

Certified by *H. J. Buchler*....



# Chemex Labs Ltd.

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Analytical Chemists

Geochemists

Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

Phone: (604) 984-0221  
Telex: 043-52597

Semi quantitative multi element ICP analysis

## CERTIFICATE OF ANALYSIS

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

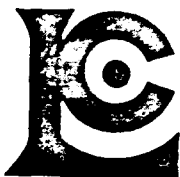
TO : ARCHER CATHRO & ASSOC. (1981) LTD.

1016 - 510 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6E 1L8

CERT. # : A8617112-004-A  
INVOICE # : I8617112  
DATE : 14-SEP-86  
P.O. # : NONE  
SR

Sample description	Au NAA ppt	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
P 24410	5	2.26	0.2	40	270	<0.5	<2	0.36	<0.5	13	163	28	3.20	<10	0.59	10	0.81	530	<1	0.02	33	920	6	<10	24	0.21	<10	<10	92	<10	84	--
P 24411	10	2.25	0.4	20	160	<0.5	<2	0.30	<0.5	13	84	31	3.51	<10	0.31	10	0.77	517	<1	0.02	32	760	10	<10	22	0.20	<10	<10	93	<10	86	--
P 24412	1	1.56	0.2	10	120	<0.5	<2	0.36	<0.5	10	93	23	3.12	<10	0.12	10	0.59	493	1	0.03	23	730	12	<10	26	0.16	<10	<10	80	<10	90	--
P 24413	4	2.32	0.2	20	200	<0.5	<2	0.44	<0.5	15	93	22	3.62	10	0.39	10	0.84	576	<1	0.02	36	940	10	<10	25	0.21	<10	<10	94	<10	84	--
P 24414	22	2.87	0.4	130	300	<0.5	<2	0.32	<0.5	16	169	31	3.94	10	0.81	10	1.02	584	<1	0.03	38	1000	10	<10	27	0.21	<10	<10	93	<10	100	--
P 24416	15	2.34	0.4	100	280	<0.5	<2	0.33	<0.5	14	122	29	3.38	10	0.66	10	0.82	530	<1	0.02	33	940	10	<10	23	0.18	<10	<10	88	<10	88	--
P 24417	12	2.47	0.4	70	220	<0.5	<2	0.48	<0.5	17	200	33	3.55	10	0.84	10	0.88	619	<1	0.04	37	1050	8	<10	33	0.22	<10	<10	91	<10	94	--
P 24418	98	2.48	0.2	80	270	<0.5	<2	0.43	<0.5	15	211	32	3.59	10	0.62	10	0.89	516	<1	0.03	37	870	10	<10	28	0.22	<10	<10	95	<10	92	--
P 24419	15	2.22	0.2	100	260	<0.5	<2	0.26	<0.5	13	228	24	3.20	<10	0.59	10	0.76	496	<1	0.02	32	680	10	<10	20	0.17	<10	<10	82	<10	82	--
P 24420	14	2.49	0.2	50	260	<0.5	<2	0.34	<0.5	15	260	34	3.56	10	0.67	10	0.92	613	<1	0.02	40	700	10	<10	23	0.24	<10	<10	102	<10	88	--
P 24421	33	2.69	0.4	100	260	<0.5	<2	0.37	<0.5	17	243	35	3.82	10	0.62	10	0.92	597	<1	0.02	42	820	10	<10	28	0.23	<10	<10	102	<10	104	--
P 24422	19	3.05	0.6	110	320	<0.5	<2	0.46	<0.5	20	195	38	4.10	10	0.63	10	1.02	722	<1	0.04	44	980	14	<10	37	0.23	<10	<10	103	<10	119	--
P 24423	11	3.17	0.4	70	340	<0.5	<2	0.40	<0.5	18	340	36	4.31	10	0.94	20	1.01	682	<1	0.05	42	840	12	<10	36	0.23	<10	<10	107	<10	110	--
P 24424	20	3.26	0.4	80	250	<0.5	<2	0.38	<0.5	22	147	54	4.51	10	0.45	10	1.03	803	<1	0.05	45	1000	12	<10	34	0.21	<10	<10	109	<10	114	--
P 24425	68	2.73	0.2	110	270	<0.5	<2	0.41	<0.5	19	195	36	3.91	10	0.64	10	1.11	608	<1	0.04	45	920	10	<10	32	0.20	<10	<10	93	<10	104	--
P 24426	20	2.80	0.4	50	250	<0.5	<2	0.44	<0.5	23	183	45	4.33	10	0.64	10	1.24	713	<1	0.04	50	950	14	<10	35	0.21	<10	<10	109	<10	114	--
P 24427	20	2.66	0.4	60	240	<0.5	<2	0.44	<0.5	19	313	41	4.09	10	0.55	10	1.00	737	<1	0.04	44	930	14	<10	33	0.19	<10	<10	96	<10	114	--
P 24428	26	2.58	0.2	60	250	<0.5	<2	0.43	<0.5	19	202	45	4.09	10	0.58	10	0.96	677	<1	0.04	45	1020	12	<10	30	0.19	<10	<10	100	<10	112	--
P 24429	21	3.59	0.4	90	380	<0.5	<2	0.29	<0.5	18	223	46	4.43	10	0.92	10	0.99	673	<1	0.02	46	710	14	<10	39	0.23	<10	<10	114	<10	114	--
P 24430	10	2.90	0.4	60	340	<0.5	<2	0.30	<0.5	15	217	29	3.61	10	0.68	10	0.86	558	<1	0.02	35	940	8	<10	25	0.22	<10	<10	97	<10	88	--
P 24431	21	3.11	0.2	90	290	<0.5	<2	0.31	<0.5	15	203	35	3.92	10	0.60	10	0.95	401	1	0.02	38	810	6	<10	26	0.23	<10	<10	104	<10	88	--
P 24432	10	2.37	0.4	70	330	<0.5	<2	0.48	<0.5	16	201	35	3.34	<10	0.36	10	0.77	956	1	0.05	32	1230	6	<10	39	0.17	<10	<10	87	<10	72	--
P 24433	32	3.77	0.6	140	360	<0.5	<2	0.26	<0.5	18	219	45	4.71	10	0.74	20	1.02	389	1	0.02	42	850	6	<10	27	0.24	<10	<10	116	<10	98	--
P 24434	37	2.25	0.4	80	240	<0.5	<2	0.37	<0.5	14	208	34	3.67	10	0.47	10	0.85	458	1	0.02	37	950	6	<10	25	0.19	<10	<10	93	<10	88	--
P 24435	6	2.53	0.4	40	260	<0.5	<2	0.36	<0.5	16	322	39	3.82	10	0.49	10	0.92	477	1	0.02	40	920	6	<10	27	0.20	<10	<10	96	<10	98	--
P 24436	5	2.40	0.2	30	230	<0.5	<2	0.47	<0.5	17	165	48	3.61	10	0.42	10	0.95	408	1	0.06	40	990	8	<10	35	0.22	<10	<10	95	<10	102	--
P 24437	20	2.37	0.2	30	220	<0.5	<2	0.54	<0.5	16	246	38	3.80	10	0.37	20	0.92	532	1	0.04	41	1100	6	<10	36	0.23	<10	<10	98	<10	90	--
P 24438	13	2.46	0.4	20	230	<0.5	<2	0.47	<0.5	17	171	41	3.76	10	0.45	20	0.93	560	1	0.03	40	1040	4	<10	31	0.22	<10	<10	98	<10	90	--
P 24439	18	2.69	0.4	80	220	<0.5	<2	0.44	<0.5	21	246	52	4.32	10	0.47	20	1.00	688	1	0.02	47	1170	8	<10	32	0.22	<10	<10	108	<10	108	--
P 24440	131	2.05	0.4	330	190	<0.5	<2	0.17	<0.5	16	197	43	4.38	<10	0.42	10	0.63	504	1	0.03	40	550	16	<10	64	0.10	<10	<10	71	<10	90	--
P 24441	30	1.88	0.4	30	190	<0.5	<2	0.33	<0.5	15	330	37	3.44	<10	0.45	10	0.78	452	1	0.03	37	660	6	<10	27	0.19	<10	<10	90	<10	76	--
P 24442	15	3.01	0.6	70	330	<0.5	<2	0.37	<0.5	20	222	55	4.75	10	0.73	10	1.07	594	2	0.02	53	940	8	<10	33	0.24	<10	<10	125	<10	108	--
P 24443	159	1.70	0.4	80	160	<0.5	<2	0.48	<0.5	13	146	35	3.12	<10	0.21	10	0.67	399	<1	0.12	28	810	4	<10	40	0.16	<10	<10	88	<10	62	--
P 24444	<1	2.58	0.4	20	270	<0.5	<2	1.14	<0.5	14	109	27	2.96	10	0.19	10	0.91	333	1	0.14	17	1250	6	<10	92	0.21	<10	<10	69	<10	70	--
P 24445	8	2.48	0.4	20	340	<0.5	<2	0.99	<0.5	12	169	27	3.36	10	0.40	10	1.02	299	1	0.08	23	1170	4	<10	62	0.25	<10	<10	81	<10	78	--
P 24446	<1	2.23	0.4	20	290	<0.5	<2	1.11	<0.5	15	88	27	2.88	10	0.25	10	0.80	340	<1	0.09	20	1340	6	<10	72	0.20	<10	<10	66	<10	72	--
P 24447	<1	2.42	0.4	10	180	<0.5	<2	1.31	<0.5	11	97	23	2.34	10	0.12	10	0.74	298	<1	0.16	17	1070	8	<10	95	0.16	<10	<10	58	<10	52	--
P 24448	1	2.24	0.2	20	210	<0.5	<2	1.25	<0.5	12	84	21	2.37	10	0.12	10	0.72	316	<1	0.17	12	1300	4	<10	85	0.18	<10	<10	60	<10	52	--
P 24450	<1	2.20	0.2	10	230	<0.5	<2	1.08	<0.5	13	162	23	2.90	10	0.10	10	0.83	416	1	0.12	15	1420	6	<10	69	0.19	<10	<10	65	<10	64	--
P 24451	3	2.64	0.2	20	220	<0.5	<2	1.09	<0.5	14	75	21	3.08	10	0.08	10	0.95	351	<1	0.09	16	1690	4	<10	71	0.20	<10	<10	62	<10	64	--

Certified by *Heath B. Siddle*



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212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

Phone: (604) 984-0221  
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## CERTIFICATE OF ANALYSIS

TO : ARCHER CATHRO & ASSOC. (1981) LTD.

1016 - 510 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6E 1L8

CERT. # : A8617112-003-A  
INVOICE # : I8617112  
DATE : 14-SEP-86  
P.O. # : NONE  
SR

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
P 24335	38	1.46	0.2	60	160	<0.5	<2	0.41	<0.5	8	161	18	2.47	<10	0.28	10	0.67	312	<1	0.02	23	690	8	<10	25	0.12	<10	<10	62	<10	54	--
P 24336	44	1.62	0.4	320	140	<0.5	<2	0.72	<0.5	13	82	36	2.89	<10	0.28	10	0.69	356	<1	0.04	27	890	12	<10	45	0.12	<10	<10	69	<10	56	--
P 24337	11	2.52	0.6	90	230	<0.5	<2	0.54	<0.5	15	154	31	3.98	10	0.63	10	1.02	475	<1	0.02	39	540	14	<10	36	0.20	<10	<10	108	<10	86	--
P 24338	11	1.63	0.2	40	140	<0.5	<2	0.31	<0.5	10	126	19	2.65	<10	0.35	10	0.80	345	<1	0.02	27	650	6	<10	20	0.13	<10	<10	66	<10	52	--
P 24339	18	2.03	0.4	130	220	<0.5	<2	0.52	<0.5	18	156	32	3.45	<10	0.55	10	0.90	658	<1	0.02	38	800	10	<10	33	0.16	<10	<10	85	<10	78	--
P 24340	7	1.77	0.4	30	160	<0.5	<2	0.35	<0.5	12	129	22	3.00	10	0.27	10	0.75	538	<1	0.02	30	960	6	<10	21	0.12	<10	<10	70	<10	58	--
P 24341	9	1.73	0.2	20	170	<0.5	<2	0.36	<0.5	9	153	15	2.67	10	0.42	10	0.83	326	<1	0.02	27	970	6	<10	19	0.12	<10	<10	68	<10	56	--
P 24342	10	2.33	0.4	50	200	<0.5	<2	0.29	<0.5	17	99	26	3.79	<10	0.33	10	0.98	338	<1	0.01	35	810	6	<10	20	0.14	<10	<10	96	<10	68	--
P 24343	54	2.84	0.6	100	280	<0.5	<2	0.59	<0.5	24	162	45	4.40	10	0.59	10	1.39	738	<1	0.02	56	830	10	<10	47	0.21	<10	<10	116	<10	102	--
P 24345	36	2.66	0.4	300	200	<0.5	<2	0.49	<0.5	25	118	58	4.30	10	0.56	10	1.30	755	<1	0.03	62	1170	12	<10	47	0.17	<10	<10	104	<10	102	--
P 24346	17	3.21	0.4	120	230	<0.5	<2	0.90	<0.5	30	245	43	4.26	10	0.53	10	2.85	925	<1	0.09	99	970	10	<10	119	0.17	<10	<10	109	<10	78	--
P 24347	4	2.16	0.2	50	220	<0.5	<2	0.63	<0.5	19	111	41	3.47	10	0.77	10	1.02	562	<1	0.02	52	860	8	<10	44	0.18	<10	<10	97	<10	85	--
P 24350	16	2.49	0.2	60	300	<0.5	<2	0.45	<0.5	19	171	37	3.73	10	0.64	10	1.08	450	<1	0.02	55	610	8	<10	29	0.21	<10	<10	117	<10	88	--
P 24351	19	2.93	0.4	210	300	<0.5	<2	0.40	<0.5	24	120	50	4.54	10	0.69	10	1.15	622	<1	0.02	58	1120	8	<10	29	0.23	<10	<10	127	<10	98	--
P 24352	10	2.47	0.2	50	170	<0.5	<2	0.33	<0.5	27	146	70	4.67	10	0.51	10	0.97	536	<1	0.02	73	680	14	<10	36	0.19	<10	<10	106	<10	94	--
P 24353	14	2.03	0.2	30	250	<0.5	<2	0.59	<0.5	15	106	37	3.37	10	0.55	10	0.84	525	<1	0.02	40	1030	10	<10	34	0.17	<10	<10	89	<10	76	--
P 24354	12	1.79	0.4	30	200	<0.5	<2	0.66	<0.5	18	318	36	3.50	10	0.31	10	0.76	505	<1	0.07	41	810	8	<10	44	0.19	<10	<10	95	<10	70	--
P 24355	32	2.09	0.2	40	230	<0.5	<2	0.49	<0.5	18	103	40	3.46	10	0.48	10	0.90	467	<1	0.02	44	740	8	<10	30	0.17	<10	<10	92	<10	68	--
P 24358	8	2.28	0.6	20	170	<0.5	<2	0.35	<0.5	16	125	33	3.70	<10	0.26	10	0.89	413	<1	0.02	39	820	10	<10	23	0.17	<10	<10	95	<10	68	--
P 24360	7	2.47	0.4	70	180	<0.5	<2	0.40	<0.5	23	96	54	3.96	10	0.23	10	1.02	569	<1	0.03	48	770	12	<10	30	0.18	<10	<10	100	<10	88	--
P 24361	9	2.20	0.6	70	160	<0.5	<2	0.35	<0.5	16	122	37	3.69	10	0.35	10	0.92	504	<1	0.02	38	910	8	<10	23	0.13	<10	<10	83	<10	82	--
P 24362	4	2.36	0.2	30	120	<0.5	<2	0.45	<0.5	15	77	24	3.90	10	0.17	10	0.90	422	<1	0.02	34	560	10	<10	29	0.18	<10	<10	84	<10	76	--
P 24363	9	1.98	0.2	30	160	<0.5	<2	0.42	<0.5	14	135	28	3.33	10	0.26	10	0.82	428	<1	0.02	33	840	10	<10	26	0.16	<10	<10	82	<10	76	--
P 24364	4	1.89	0.2	30	160	<0.5	<2	0.40	<0.5	15	90	28	3.27	<10	0.31	10	0.82	400	<1	0.02	34	800	12	<10	23	0.15	<10	<10	81	<10	78	--
P 24365	18	2.53	0.4	80	260	<0.5	<2	0.60	<0.5	22	142	52	4.09	10	0.31	10	1.04	618	<1	0.03	51	1000	12	<10	45	0.17	<10	<10	99	<10	100	--
P 24366	44	2.20	0.4	90	210	<0.5	<2	0.46	<0.5	21	93	44	3.89	10	0.37	10	0.94	643	<1	0.02	47	1070	10	<10	31	0.15	<10	<10	90	<10	102	--
P 24368	9	2.10	0.2	40	200	<0.5	<2	0.40	<0.5	20	133	46	3.71	<10	0.37	10	0.92	496	<1	0.02	44	1010	6	<10	28	0.16	<10	<10	92	<10	92	--
P 24370	46	2.21	0.2	80	180	<0.5	<2	0.44	<0.5	21	95	55	3.95	10	0.32	10	1.00	508	<1	0.03	45	1000	12	<10	31	0.17	<10	<10	93	<10	106	--
P 24371	136	3.37	0.6	210	300	<0.5	<2	0.82	<0.5	39	335	59	5.30	10	0.27	10	3.60	951	<1	0.03	148	1100	34	<10	62	0.23	<10	<10	124	<10	114	--
P 24372	10	2.34	0.4	30	190	<0.5	<2	0.38	<0.5	18	81	43	3.97	10	0.24	10	0.95	509	<1	0.01	37	800	12	<10	29	0.17	<10	<10	97	<10	86	--
P 24373	11	2.16	0.4	110	200	<0.5	<2	0.40	<0.5	17	128	35	3.46	<10	0.40	10	1.04	472	<1	0.02	44	780	12	<10	27	0.16	<10	<10	85	<10	80	--
P 24374	7	1.88	0.2	30	170	<0.5	<2	0.47	<0.5	16	92	27	3.51	10	0.27	10	0.85	611	1	0.02	30	810	12	<10	32	0.15	<10	<10	87	<10	79	--
P 24401	28	3.80	0.6	110	500	<0.5	<2	0.60	<0.5	29	119	71	5.09	10	0.72	10	1.37	892	<1	0.02	66	1080	12	<10	49	0.20	<10	<10	134	<10	114	--
P 24402	17	2.42	0.4	60	300	<0.5	<2	0.49	<0.5	20	117	29	3.57	<10	0.68	10	0.99	641	<1	0.02	38	980	10	<10	32	0.18	<10	<10	95	<10	98	--
P 24403	29	2.66	0.4	50	260	<0.5	<2	0.36	<0.5	14	140	29	3.58	10	0.60	10	1.02	335	<1	0.02	39	820	14	<10	26	0.21	<10	<10	105	<10	86	--
P 24405	35	2.97	0.4	110	330	<0.5	<2	0.41	<0.5	19	101	54	4.28	10	0.47	10	1.02	492	<1	0.02	50	840	12	<10	35	0.21	<10	<10	115	<10	100	--
P 24406	36	3.40	0.4	130	280	<0.5	<2	0.38	<0.5	21	118	45	4.63	10	0.42	10	1.16	707	<1	0.02	49	820	12	<10	32	0.23	<10	<10	119	<10	116	--
P 24407	15	1.57	0.2	30	280	<0.5	<2	0.33	<0.5	10	113	19	2.54	<10	0.69	10	0.68	342	<1	0.02	26	1120	6	<10	17	0.13	<10	<10	70	<10	56	--
P 24408	21	2.53	0.4	80	240	<0.5	<2	0.23	<0.5	16	103	35	3.83	10	0.35	10	0.86	580	<1	0.03	34	750	12	<10	27	0.18	<10	<10	97	<10	92	--
P 24409	113	2.42	0.2	40	240	<0.5	<2	0.42	<0.5	16	95	33	3.48	<10	0.50	10	0.82	671	<1	0.01	36	760	8	<10	29	0.20	<10	<10	91	<10	94	--

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# 091993 Chemex Labs Ltd.

212 Brooksbank Ave.  
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Semi quantitative multi element ICP analysis

## CERTIFICATE OF ANALYSIS

TO : ARCHER CATHRO & ASSOC. (1981) LTD.

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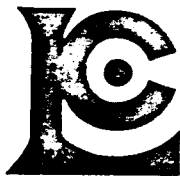
CERT. # : A8617112-002-A  
INVOICE # : 18617112  
DATE : 14-SEP-86  
P.O. # : NONE  
SQ

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
P 24294	4	2.32	0.2	20	200	<0.5	<2	0.46	<0.5	17	109	46	3.93	10	0.29	10	0.96	509	<1	0.02	39	940	16	<10	33	0.18	<10	<10	97	<10	92	--
P 24296	12	2.30	2.4	40	220	<0.5	<2	0.48	0.5	20	144	75	4.15	<10	0.19	10	0.90	593	1	0.04	42	980	335	<10	36	0.18	<10	<10	95	<10	408	--
P 24297	6	2.39	0.2	30	190	<0.5	<2	0.42	<0.5	17	124	44	3.90	10	0.29	10	0.97	504	<1	0.03	43	930	12	<10	30	0.18	<10	<10	98	<10	82	--
P 24298	6	2.52	0.6	30	200	<0.5	<2	0.49	<0.5	22	136	49	4.23	10	0.26	10	1.01	658	<1	0.03	46	1030	74	<10	36	0.16	<10	<10	105	<10	138	--
P 24299	6	1.82	0.2	20	120	<0.5	2	0.44	<0.5	18	89	34	3.62	<10	0.13	10	0.78	546	<1	0.05	34	770	12	<10	30	0.15	<10	<10	90	<10	90	--
P 24300	9	2.87	0.4	70	240	<0.5	2	0.45	<0.5	20	140	53	4.11	10	0.36	10	1.37	584	<1	0.03	43	550	44	<10	32	0.22	<10	<10	103	<10	132	--
P 24301	21	2.25	0.2	140	170	<0.5	<2	0.67	<0.5	23	93	99	4.26	10	0.18	10	1.04	475	<1	0.02	81	1140	18	<10	50	0.12	<10	<10	88	<10	142	--
P 24302	6	2.52	0.2	60	290	<0.5	2	0.84	<0.5	19	84	38	4.45	10	0.85	<10	1.56	748	<1	0.03	20	480	34	<10	39	0.29	<10	<10	114	<10	98	--
P 24303	3	2.71	0.2	30	200	<0.5	<2	0.41	<0.5	28	113	69	4.96	10	0.50	20	1.24	718	<1	0.02	77	980	14	<10	39	0.16	<10	<10	98	<10	148	--
P 24304	3	2.50	0.4	30	210	<0.5	2	0.48	<0.5	20	142	42	4.14	10	0.32	10	1.20	547	<1	0.04	45	860	28	<10	42	0.19	<10	<10	97	<10	126	--
P 24305	3	1.68	0.2	10	180	<0.5	<2	0.79	<0.5	21	79	35	3.04	10	0.32	10	0.78	705	<1	0.02	36	1100	10	<10	44	0.12	<10	<10	85	<10	76	--
P 24306	7	2.78	0.2	60	180	<0.5	<2	0.48	<0.5	22	143	54	4.59	10	0.46	20	1.25	694	<1	0.03	53	750	26	<10	41	0.23	<10	<10	101	<10	130	--
P 24307	5	2.52	0.2	60	220	<0.5	2	0.72	<0.5	21	97	57	4.12	10	0.35	20	1.07	684	<1	0.02	43	1560	16	<10	50	0.14	<10	<10	94	<10	104	--
P 24308	3	2.45	0.4	20	180	<0.5	<2	0.50	<0.5	16	161	42	3.86	10	0.37	10	1.13	501	<1	0.03	44	760	18	<10	38	0.18	<10	<10	90	<10	106	--
P 24309	4	2.14	0.6	20	210	<0.5	<2	0.85	<0.5	33	91	94	3.79	10	0.25	20	0.96	759	1	0.02	54	1180	16	<10	54	0.14	<10	<10	85	<10	116	--
P 24310	6	2.35	0.4	40	140	<0.5	<2	0.50	<0.5	26	147	61	4.33	10	0.48	10	1.09	563	<1	0.02	81	570	18	<10	43	0.15	<10	<10	82	<10	136	--
P 24311	5	2.99	0.8	20	210	<0.5	<2	0.50	<0.5	19	155	84	4.50	10	0.57	30	1.54	496	<1	0.02	90	970	12	<10	46	0.14	<10	<10	91	<10	144	--
P 24312	5	2.66	0.6	30	250	<0.5	<2	0.61	<0.5	20	196	75	4.65	10	0.58	20	1.31	472	1	0.01	77	920	14	<10	39	0.14	<10	<10	100	<10	126	--
P 24313	7	2.61	0.4	30	290	<0.5	<2	0.86	<0.5	27	116	71	4.30	10	0.72	20	1.32	502	<1	0.02	63	950	10	<10	46	0.16	<10	<10	105	<10	124	--
P 24314	3	2.91	0.2	50	470	<0.5	<2	0.92	<0.5	24	164	46	4.70	10	0.66	10	1.53	631	<1	0.05	45	1000	14	<10	48	0.23	<10	<10	126	<10	134	--
P 24315	3	2.52	0.2	80	230	<0.5	<2	0.54	<0.5	19	108	46	4.57	10	0.25	10	1.26	452	<1	0.04	43	770	10	<10	38	0.22	<10	<10	124	<10	110	--
P 24316	4	3.00	0.2	50	280	<0.5	<2	0.76	<0.5	55	136	100	5.12	10	0.40	20	1.35	1592	1	0.02	91	1280	14	<10	50	0.18	<10	<10	119	<10	156	--
P 24317	26	3.23	0.2	90	250	<0.5	<2	0.58	<0.5	27	112	64	5.14	10	0.49	10	1.47	782	<1	0.02	59	970	12	<10	40	0.17	<10	<10	116	<10	120	--
P 24318	20	3.14	0.6	130	360	<0.5	<2	1.19	<0.5	31	150	88	4.59	10	0.51	10	1.39	781	<1	0.03	71	1120	16	<10	76	0.18	<10	<10	117	<10	124	--
P 24319	20	2.52	0.2	120	210	<0.5	<2	0.68	<0.5	18	135	58	3.81	10	0.36	10	1.23	603	<1	0.02	50	680	8	<10	42	0.15	<10	<10	95	<10	90	--
P 24320	19	3.16	0.2	140	260	<0.5	2	0.41	<0.5	25	195	56	4.77	10	0.42	10	1.31	624	<1	0.02	61	780	14	<10	33	0.18	<10	<10	112	<10	114	--
P 24321	12	1.79	0.2	40	150	<0.5	<2	0.40	<0.5	15	118	30	3.14	10	0.21	10	0.81	426	<1	0.02	36	1030	8	<10	26	0.12	<10	<10	75	<10	60	--
P 24322	10	2.10	0.2	50	180	<0.5	<2	0.52	<0.5	16	182	25	3.38	10	0.34	10	1.02	395	<1	0.02	41	750	14	<10	33	0.15	<10	<10	82	<10	78	--
P 24323	32	2.89	0.2	120	260	<0.5	<2	0.56	<0.5	30	138	74	4.62	10	0.35	10	1.36	676	<1	0.03	74	1100	12	<10	48	0.18	<10	<10	111	<10	108	--
P 24324	11	1.98	0.2	20	170	<0.5	<2	0.46	<0.5	14	134	40	3.48	10	0.18	10	0.81	438	<1	0.05	30	920	14	<10	33	0.14	<10	<10	92	<10	70	--
P 24325	16	2.91	0.2	60	190	<0.5	<2	0.44	<0.5	17	120	39	4.23	10	0.28	10	1.24	391	<1	0.02	52	940	12	<10	35	0.18	<10	<10	108	<10	94	--
P 24326	20	2.21	0.6	30	200	<0.5	<2	0.43	<0.5	15	248	17	3.65	10	0.37	10	0.96	468	<1	0.02	31	900	14	<10	26	0.17	<10	<10	83	<10	66	--
P 24327	4	1.86	0.2	10	280	<0.5	<2	0.65	<0.5	12	98	14	2.65	<10	0.28	10	0.80	278	<1	0.06	23	580	8	<10	53	0.21	<10	<10	59	<10	58	--
P 24328	<1	1.67	0.2	10	190	<0.5	<2	0.89	<0.5	9	88	14	1.97	<10	0.14	10	0.65	218	<1	0.10	13	500	10	<10	69	0.14	<10	<10	47	<10	44	--
P 24329	4	1.77	0.2	10	190	<0.5	<2	0.67	<0.5	10	75	13	2.26	<10	0.23	10	0.70	270	<1	0.07	16	1000	4	<10	43	0.15	<10	<10	58	<10	50	--
P 24330	2	1.58	0.2	10	200	<0.5	<2	0.50	<0.5	11	107	18	2.55	<10	0.37	<10	0.82	215	<1	0.04	22	340	8	<10	31	0.22	<10	<10	65	<10	58	--
P 24331	<1	0.60	0.2	<10	90	<0.5	<2	0.36	<0.5	4	46	4	1.63	<10	0.07	<10	0.30	126	<1	0.07	7	170	4	<10	27	0.12	<10	<10	52	<10	30	--
P 24332	7	1.71	0.2	20	180	<0.5	<2	0.40	<0.5	10	163	19	2.61	<10	0.31	10	0.70	408	<1	0.02	25	1070	8	<10	21	0.14	<10	<10	69	<10	59	--
P 24333	8	2.32	0.2	40	270	<0.5	<2	0.38	<0.5	15	129	29	3.48	<10	0.61	10	0.91	477	<1	0.02	37	910	8	<10	22	0.20	<10	<10	97	<10	82	--
P 24334	4	0.57	0.2	<10	30	<0.5	<2	0.27	<0.5	5	78	9	2.03	<10	0.07	<10	0.28	143	<1	0.08	8	220	6	<10	22	0.14	<10	<10	65	<10	44	--

Certified by *Hart Buchler*



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

Phone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ANALYSIS

TO : ARCHER CATHRO & ASSOC. (1981) LTD.

1016 - 510 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6E 1L8

CERT. # : A8617112-001-A  
INVOICE # : I8617112  
DATE : 14-SEP-86  
P.O. # : NONE  
SQ (S)AKE)

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au NAA ppb	Al %	Ag ppb	As ppb	Ba ppb	Be ppb	Bi ppb	Ca %	Cd ppb	Co ppb	Cr ppb	Cu ppb	Fe %	Ga ppb	K %	La ppb	Mg %	Mn ppb	Mo ppb	Na %	Ni ppb	P ppb	Pb ppb	Sb ppb	Sr ppb	Ti %	Tl ppb	U ppb	V ppb	W ppb	Zn ppb	
P 24251	3	2.22	0.2	20	230	<0.5	<2	0.48	<0.5	13	303	27	3.57	10	0.44	10	0.25	505	<1	0.05	32	680	10	<10	33	0.21	<10	<10	96	<10	90	--
P 24252	6	2.42	0.2	30	270	<0.5	<2	0.36	<0.5	15	212	35	3.62	<10	0.50	10	0.89	536	<1	0.03	38	860	10	<10	27	0.21	<10	<10	98	<10	90	--
P 24253	25	2.30	0.2	110	190	<0.5	<2	0.40	<0.5	17	147	32	3.74	<10	0.36	10	0.90	506	<1	0.03	40	360	12	<10	33	0.23	<10	<10	98	<10	84	--
P 24254	92	3.10	0.2	390	310	<0.5	<2	0.57	<0.5	19	224	46	4.64	10	0.48	10	0.98	686	<1	0.03	43	1430	16	<10	46	0.15	<10	<10	109	<10	104	--
P 24255	13	2.89	0.4	90	280	<0.5	<2	0.42	<0.5	23	84	54	4.72	<10	0.42	10	1.02	724	<1	0.02	49	1320	12	<10	38	0.19	<10	<10	114	<10	108	--
P 24256	18	2.43	0.2	40	230	<0.5	<2	0.40	<0.5	15	105	42	3.78	<10	0.51	10	0.92	436	<1	0.01	43	890	12	<10	27	0.20	<10	<10	99	<10	86	--
P 24258	8	2.13	0.2	50	190	<0.5	2	0.42	<0.5	18	88	45	3.52	<10	0.38	10	0.90	472	<1	0.02	44	930	10	<10	27	0.18	<10	<10	87	<10	84	--
P 24259	3	2.16	0.2	20	190	<0.5	2	0.40	<0.5	18	110	49	3.42	<10	0.48	10	0.91	462	<1	0.02	46	820	10	<10	25	0.18	<10	<10	92	<10	78	--
P 24260	1	2.48	0.2	30	210	<0.5	<2	0.48	<0.5	20	85	70	4.04	<10	0.47	10	1.01	587	<1	0.01	57	1100	14	<10	30	0.17	<10	<10	101	<10	74	--
P 24262	72	2.65	0.2	60	160	<0.5	<2	0.42	<0.5	28	107	98	4.78	10	0.37	10	1.03	635	<1	0.01	92	1050	16	<10	38	0.19	<10	<10	112	<10	78	--
P 24263	21	2.15	0.2	10	210	<0.5	<2	0.31	<0.5	14	88	31	3.38	<10	0.29	10	0.87	441	<1	0.01	40	700	10	<10	20	0.16	<10	<10	96	<10	50	--
P 24264	14	1.66	0.2	10	140	<0.5	<2	0.46	<0.5	12	58	31	2.56	<10	0.27	<10	0.80	427	<1	0.03	17	740	10	<10	21	0.16	<10	<10	61	<10	54	--
P 24265	6	2.62	0.2	10	240	<0.5	<2	0.47	<0.5	18	70	36	3.85	<10	0.64	10	1.17	582	<1	0.02	32	610	10	<10	42	0.28	<10	<10	106	<10	84	--
P 24266	6	2.77	0.2	20	260	<0.5	<2	0.35	<0.5	17	107	34	4.21	<10	0.40	10	1.05	487	<1	0.01	42	870	12	<10	30	0.16	<10	<10	100	<10	100	--
P 24267	4	1.81	0.2	10	130	<0.5	<2	0.40	<0.5	13	69	32	3.47	<10	0.25	10	0.79	383	<1	0.01	31	890	12	<10	28	0.12	<10	<10	85	<10	74	--
P 24269	4	2.79	0.2	40	360	<0.5	<2	0.47	<0.5	27	147	58	4.41	10	0.67	10	1.58	519	<1	0.02	70	950	8	<10	33	0.21	<10	<10	115	<10	122	--
P 24270	11	2.37	0.4	90	580	<0.5	<2	0.97	<0.5	31	102	84	5.44	10	1.21	10	1.92	636	<1	0.07	63	910	10	<10	53	0.29	<10	<10	151	<10	130	--
P 24271	7	1.82	0.2	50	350	<0.5	<2	1.04	<0.5	23	81	52	3.37	10	0.51	10	1.04	484	<1	0.03	35	770	8	<10	40	0.17	<10	<10	96	<10	76	--
P 24272	9	2.72	0.2	60	400	<0.5	<2	0.98	<0.5	25	89	66	4.40	10	0.82	10	1.51	612	<1	0.04	48	680	10	<10	44	0.24	<10	<10	116	<10	110	--
P 24273	6	3.47	0.2	60	480	<0.5	<2	0.55	<0.5	34	149	77	5.40	10	0.86	10	1.96	596	<1	0.03	62	850	8	<10	48	0.27	<10	<10	152	<10	126	--
P 24274	2	2.58	0.2	60	270	<0.5	<2	0.52	<0.5	21	113	46	3.88	<10	0.56	10	1.39	446	<1	0.03	46	800	10	<10	35	0.20	<10	<10	104	<10	92	--
P 24275	4	2.57	0.2	40	310	<0.5	<2	0.54	<0.5	20	99	48	3.85	10	0.48	10	1.25	468	<1	0.03	45	820	10	<10	37	0.19	<10	<10	103	<10	90	--
P 24276	1	2.22	0.2	20	240	<0.5	<2	0.54	<0.5	15	102	40	3.32	10	0.55	10	1.10	475	<1	0.04	31	760	10	<10	32	0.20	<10	<10	88	<10	68	--
P 24277	<1	1.90	0.2	20	170	<0.5	<2	0.45	<0.5	13	81	23	3.07	<10	0.28	10	0.91	365	<1	0.03	29	770	10	<10	28	0.16	<10	<10	77	<10	62	--
P 24278	46	2.21	0.2	80	190	<0.5	<2	0.48	<0.5	16	119	42	3.25	10	0.39	10	1.07	414	<1	0.03	46	880	8	<10	31	0.16	<10	<10	86	<10	72	--
P 24279	9	2.59	0.2	40	280	<0.5	<2	0.43	<0.5	18	96	40	3.47	<10	0.40	10	1.18	463	<1	0.02	38	690	12	<10	33	0.19	<10	<10	97	<10	76	--
P 24280	10	2.79	0.4	140	320	<0.5	<2	0.62	<0.5	35	127	48	4.40	10	0.56	10	1.32	1057	<1	0.03	54	1020	14	<10	45	0.18	<10	<10	109	<10	106	--
P 24281	6	2.49	0.2	80	290	<0.5	<2	0.45	<0.5	15	89	30	3.60	10	0.44	10	1.10	414	<1	0.02	34	940	12	<10	30	0.18	<10	<10	101	<10	76	--
P 24282	5	2.31	0.2	40	230	<0.5	<2	0.49	<0.5	16	115	33	3.40	10	0.39	10	1.09	445	<1	0.03	36	830	10	<10	30	0.19	<10	<10	96	<10	78	--
P 24283	3	2.43	0.2	30	250	<0.5	<2	0.28	<0.5	16	88	34	3.53	<10	0.44	10	0.91	429	<1	0.02	38	730	10	<10	21	0.18	<10	<10	95	<10	82	--
P 24284	3	1.91	0.2	20	120	<0.5	<2	0.33	<0.5	12	127	15	3.15	<10	0.27	10	0.91	411	<1	0.01	26	440	8	<10	22	0.16	<10	<10	82	<10	74	--
P 24285	175	1.92	0.2	30	200	<0.5	<2	0.26	<0.5	13	87	37	3.11	<10	0.44	10	0.87	399	<1	0.01	37	810	6	<10	17	0.12	<10	<10	76	<10	62	--
P 24286	32	1.78	0.2	20	240	<0.5	<2	0.27	<0.5	10	111	20	2.84	<10	0.56	10	0.78	321	<1	0.01	25	760	10	<10	16	0.15	<10	<10	78	<10	58	--
P 24287	3	1.65	0.2	10	140	<0.5	<2	0.52	<0.5	13	69	20	3.51	10	0.10	10	0.75	617	1	0.02	25	790	16	<10	37	0.15	<10	<10	87	<10	84	--
P 24288	7	2.25	0.2	30	160	<0.5	2	0.40	<0.5	16	107	35	3.93	10	0.37	10	0.98	481	<1	0.02	37	530	12	<10	27	0.22	<10	<10	100	<10	82	--
P 24289	14	1.93	0.2	50	160	<0.5	<2	0.31	<0.5	15	81	35	3.49	<10	0.37	10	0.82	430	<1	0.01	35	600	12	<10	22	0.18	<10	<10	90	<10	76	--
P 24290	10	2.43	0.2	30	200	<0.5	<2	0.51	<0.5	21	122	57	4.35	10	0.30	10	1.02	587	<1	0.02	46	990	14	<10	35	0.21	<10	<10	104	<10	90	--
P 24291	11	2.28	0.2	60	180	<0.5	2	0.42	<0.5	17	126	45	4.10	10	0.26	10	0.95	486	<1	0.02	38	1010	14	<10	31	0.18	<10	<10	104	<10	84	--
P 24292	8	2.05	0.2	60	180	<0.5	<2	0.51	<0.5	22	88	51	3.75	10	0.30	10	0.88	515	<1	0.02	53	1050	10	<10	29	0.18	<10	<10	94	<10	88	--
P 24293	21	2.04	0.2	50	160	<0.5	<2	0.43	<0.5	20	103	48	3.62	10	0.26	10	0.87	495	<1	0.02	46	980	12	<10	28	0.16	<10	<10	86	<10	84	--

Certified by .. *H. B. Buchler* ..



- 1 rock
- 1 soil sample
- Au rich.

Shot Creek.