

**PROSPECTING / GEOCHEMICAL SURVEY**

HORN 1 - 22

Grant # YC03762 - YC03783

NTS 116 B-7

64, 27 North

138,36West

FOR CANADIAN UNITED MINERALS INC.  
DAWSON MINING DISTRICT

AUTHOR Shawn Ryan

093 934

Work performed August 20, 1997 - September 15, 1997

Date of Report: August 24, 1998



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 \$ 2200.00.

*M. B. K.*

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

1-4

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## **INTRODUCTION**

The Horn 1 - 22 claims, grant #YC03762 - YC03783 will be renewed for one year by Canadian United Minerals Inc, with work performed by prospector and author Shawn Ryan.

## **LOCATION**

The Horn claims are located 56 KM NE of Dawson City or 19 KM W.SW from the Dempster Highway, Tombstone Campground, Kilometre 68.

## **ACCESS**

Access to the property can be by snow machine during the winter months which was the method for staking. We started from behind the micro wave tower located at kilometre mark 89. Traveled west to the Blackstone River and then turn south and follow the river to it's head water. It is a two day walk in or out crossing west from the Jensen's outfitting camp KM Mark 82. I had to walk out once. But the most sought after travel is from Dawson City via helicopter.

## **PROPERTY GENERAL GEOLOGY**

The Horn claims are covering a large cretaceous granodiorite of the Tombstone suite. Within this granodiorite there are several large xenolith of Permian tahkandit limestone and Keno Hill quartzite. It is the large xenolith of Permian limestone that is of most interest. The limestone xenolith has produced skarn action along its contact. On the Trix claim (old claim group within the Horn group) they have found stibnite vein action with arsenopyrite needle around the Trix skarn. The Sumting claim, which is also now part of the Horn group, had mapped out another long narrow Permian Limestone with Skarns formation along its contact. Both Permian limestone skarn hold potential for a Mam, copper, gold skarn deposit.

## **WORK PERFORMED**

I silted creeks draining Horn 1 - 18 at a couple of strategic spots. I tried two mesh sizes to see if it would make any difference. One mesh size was standard 80 mesh, the second mesh size was 270 mesh. I also took soil samples on claim 8, 13, and 15.

I prospected around the whole block taking rock samples of various rock type and moved down to the bottom block Horn 19 -22 and prospected for a day and a half.

## **WORK METHOD**

Prospecting was done as a quick recon taking rock samples of various rock types. Soil, and silt were placed in kraft paper bags. A couple of silts were taken from moss mats to compare to normal silt samples.

## **INTERPRETATION**

### ***SILT***

Silt samples showed anomalous value in greek below limestone unit H-S1 at 55 ppb Au. I took a second larger silt moss mat sample close to the same location for comparison. I called that sample HS02. I tried two mesh sizes -80 mesh and -270 mesh. The -80 mesh size showed almost the same value in Au. The -270 mesh showed a rise by 20ppb in Au and also had 2ppm Bi. Silt sample HS03 that was taken at two greek junction, located at the North - East corner of Horn #1. It showed anomalous value of 40 ppb Au in both mesh size. HS03 had a very anomalous value of As 136, 140 ppm. Pb was also anomalous at 162, 166. I suspect the anomalous value in As, Pb may be coming from the Horn 1 - 6 area.

### ***SOIL***

Soil samples showed the most interesting targets. All four samples showed anomalous value in Au, but HSS3 and HSS4 showed the highest value at 18 gram and 39 gram respectfully. HSS3 also gave anomalous value in Ag, As, Bi, Cu, Fe, Pb, Sb. HSS4 gave anomalous value in Ag, Bi, Cu, Fe.

### ***ROCK SAMPLES***

Rock samples showed only a couple of rock anomalous in Au. HR6 gave a 465 ppb in Au and had anomalous value in Bi (ie) and Cu (326 ppm). Hr7 had a slight anomalous Au (40ppb) and Bi (12 ppm) and a very anomalous Cu value of 4110 ppm.

## **GEOLOGICAL IMPLICATIONS**

Geologically I feel these numbers, especially in the soil geochem HSS3, HSS4 that we have a Cu - Au skarn potential just like the marn deposit 5 miles to the W-NW. The Marn has some extremely high Au intersection with their highest Cu, 1 1/2% value. The Marn also holds high Bi numbers with this high grade Au intersection.

## **CONCLUSION**

I feel these high grade soil numbers in Au, Cu, Bi are not a coincidence, but show the potential for a Marn Cu - Au skarn deposit. The two soil HSS3, and HSS4 are over 250 m apart giving this property a good strike length potential.

## **RECOMMENDATIONS**

I'm recommending a quick recon to reconfirm these high Au numbers. If these numbers return positive then I would recommend setting up a small camp on site and establish a grid across limestone unit. I would recommend a soil survey and a magnetic survey. The Marn deposit is a peroxine skarn, so a magnetic survey should highlight or give at least a good indication to the potential geological structure.

My final recommendation would be to trench across the high grade soil areas to find the source.

## **ASSAY TECHNIQUES**

All assays were sent to Chemex Labs Ltd. in Vancouver, B.C.

Rock samples were processed with their standard method for Au + ICP. The soils were processed to -80 mesh with an Au + ICP. The high grade Au soil were reprocessed by means of Gravimetric FA. The silt I tried two mesh size; one at -80 mesh and the second at -270 mesh.

## **ASSAY RESULTS**

See appendix

## **ROCK/SOIL/SILT LOCATION MAP**

See appendix

**COST**

Six man days prospector @ \$250 daily	\$1,500.00
Vehicle Rental	200.00
Soil/Rock	200.00
Report	250.00
	<hr/>
	\$2,150.00
25% Heli Fee	
	<hr/>
	\$2,650.00

← 25% of total assessment allowed for mob/demob. Actual cost \$1600.00  
myB

**QUALIFICATION**

I have been involved in the exploration business for the last 17 years in Canada.

I have conducted soil survey, geophysical survey and have been a geologist assistant in a number of provinces and territories. I have supervised a number of geophysical crews and soil sampling programs in Ontario, Quebec, N.W.T. and Yukon.

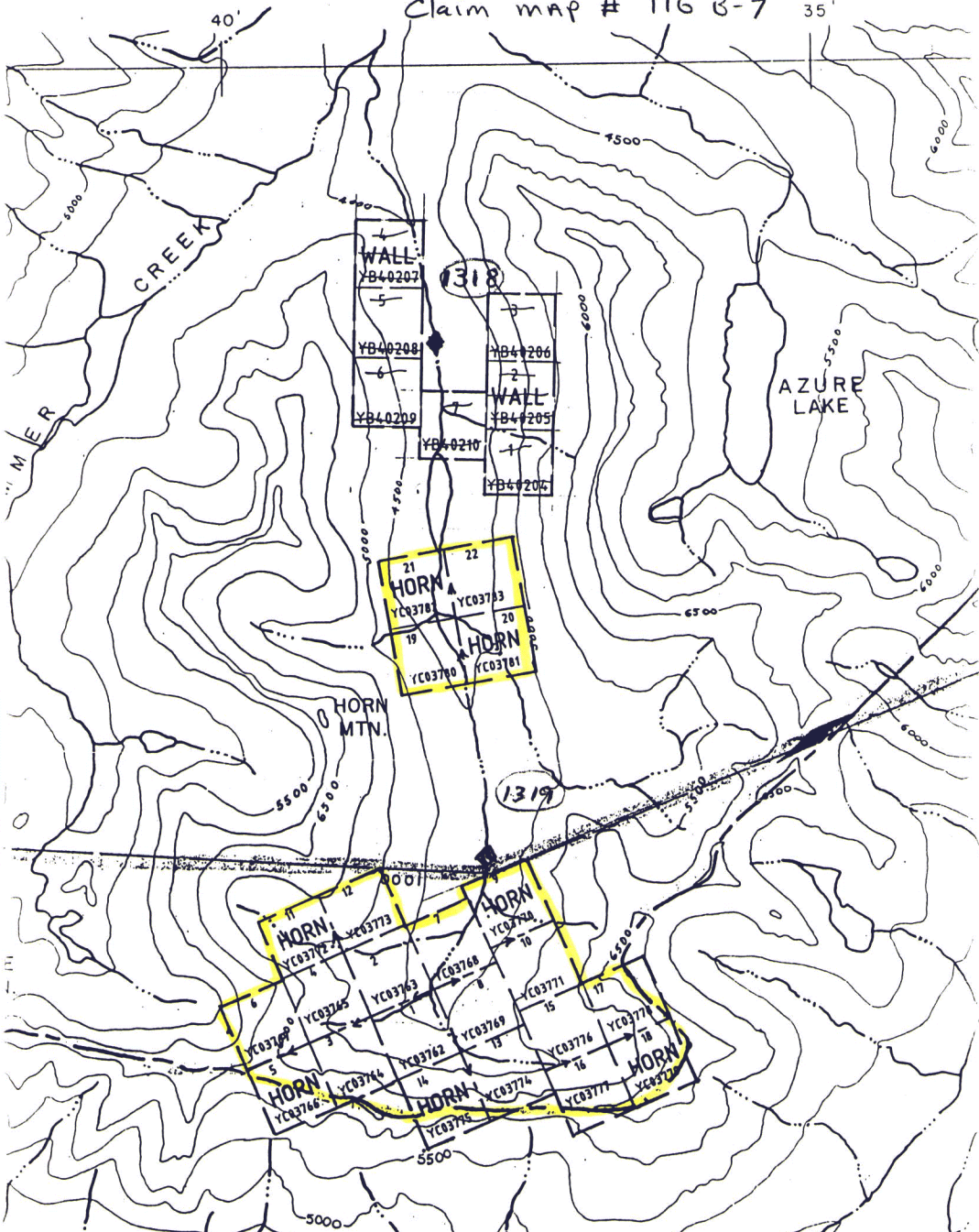
I have been conducting exploration programs in the Yukon for the last five years.

I have a minor interest in the Horn property and work as a contractor for Canadian United Minerals Inc.



Shawn Ryan, Prospector

Claim map # 116 B-7 35'



40'

MER CREEK

CREEK

WALL  
YB40207

(318)

YB40208

YB40206

YB40209

WALL  
YB40205

YB40210

YB40204

AZURE LAKE

21 HORN  
YCO3781 YCO3783  
19 HORN  
YCO3780 YCO3781

(1319)

HORN MTN.

HORN  
YCO3772

HORN  
YCO3784

HORN  
YCO3765

HORN  
YCO3785

HORN  
YCO3770

5000

5500

6000

5500

6300

6500

6000

6000

5500

5500

5500

5500

5500

6500

5000

5500



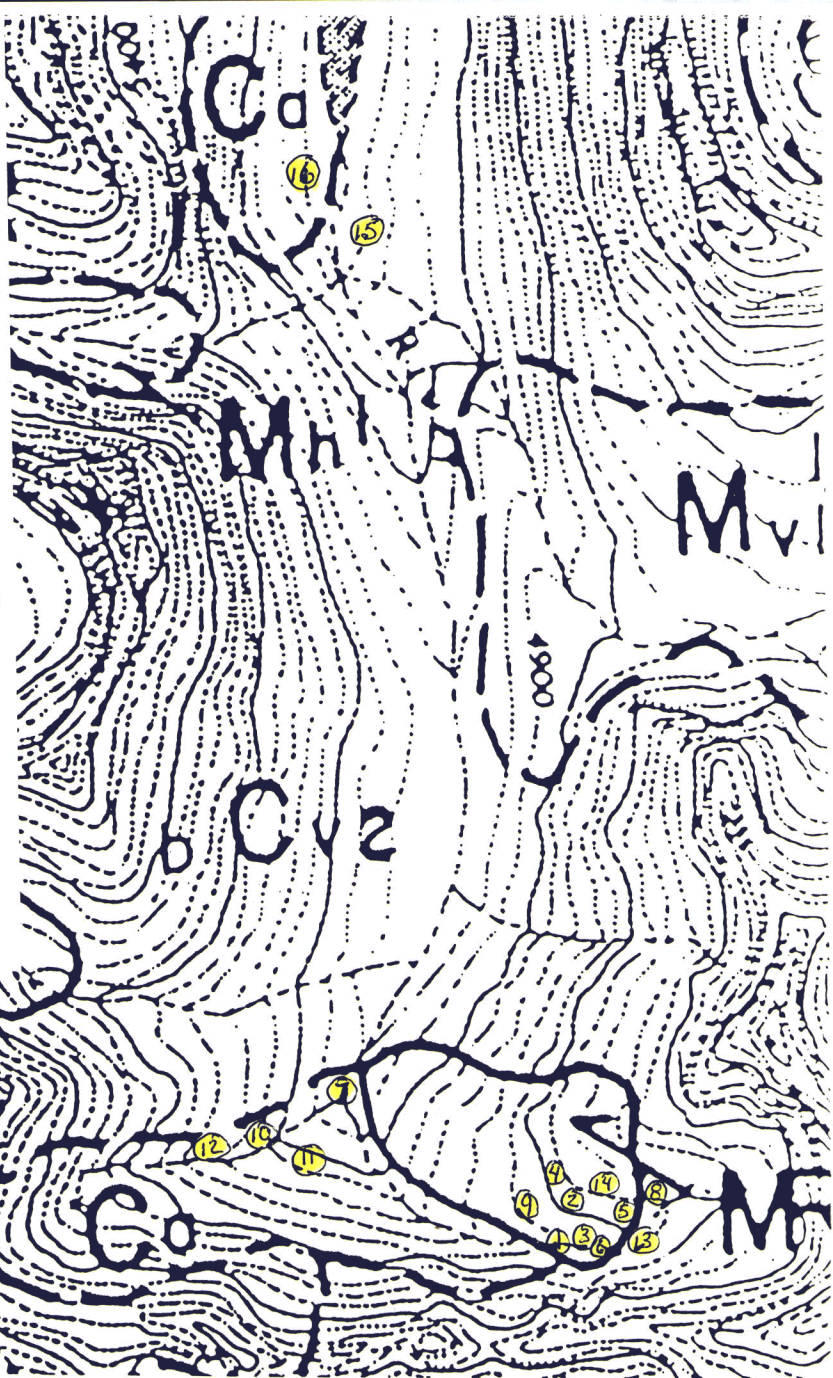
NORTH ↑

Scale

1 cm = 168 m

Sample-Location  
Number

- HS1 - ① -silt
- HSS1 - ②
- HSS2 - ③ } soil
- HSS3 - ④
- HSS4 - ⑤
- HS02 - ⑥ ← moss mat
- HS03 - ⑦ silt
- HR1 - ⑧ ↓ rock
- HR2 - ⑨
- HR3 - ⑩
- HR4 - ⑪
- HR5 - ⑫
- HR6 - ⑬
- HR7 - ⑭
- HR8 - ⑮
- HR9 - ⑯



# Horn claims

## Rock Description

HR1 - Granodiorite with Pyrite.

HR-2 - Granodiorite, Rusty

HR3 - Skarn, Decompose Rusty, Sulphur smelling.

HR4 - Skarn Area, Limy, Light Green

HR5 - Granodiorite, Rusty.

HR-6 - Granodiorite, Rusty Quartz vein, 1/2 cm wide.

HR7 - Hornfels zone, Dark, Fine grain.

HR8 - Green oxidized with Quartz crystal, Rusty.

HR-9 - Skarn, Limy, Rusty with Hornfel crystal.



NT  
1:250,000  
Map 1254A

30°

15°

CRETACEOUS AND TERTIARY (?)  
UPPER CRETACEOUS AND LATER (?)



MONSTER FORMATION 22a, brown-weathering thin-bedded brown chert-grain sandstone siltstone, shale and fine chert-pebble conglomerate

MESOZOIC



Orange- to brown-weathering diorite and gabbro altered equivalents, may be older than 20

CRETACEOUS



21a, fine- to coarse-grained uneven textured, biotite granodiorite and bio  
21b, mainly hornblende and hornblende biotite syenite, commonly porph  
phenocrysts; uneven textured, mostly medium grained, locally fine or co.



Orange- to brown-weathering diorite and gabbro altered equivalents 20.



19 Mottled green and maroon shale and brown-weathering thin-bedded br



18 KENO HILL QUARTZITE grey and blue-grey massive quartzite, minor sl  
graphitic, argillaceous quartzite, 18a thin-bedded and phyllitic quartzite  
slate and phyllite, minor limestone and massive quartzite 18b as 18 but r

JURASSIC



17 LOWER SCHIST division dark grey argillite slate and phyllite, common  
grey quartzite, platy to phyllitic quartzite, minor phyllite and amy quartzite

TRIASSIC



16 Black-weathering platy black limy shale and limestone thin bands of grey-  
buff-weathering limestone

PERMIAN



15 Limestone with some chert

TRIASSIC



16 Black-weathering platy black limy shale and limestone thin bands of grey-  
to buff-weathering limestone

PERMIAN



15 TAHKANDIT FORMATION white light grey and dark grey chert, cherty limestone and limestone

CARBONIFEROUS TO PERMIAN



14a Buff-weathering dark grey thin- to medium-bedded limestone, minor black shale, chert, and  
chert-pebble conglomerate, 14a dark shale, argillaceous limestone, and thin-bedded brown  
sandstone, minor chert-pebble conglomerate 14b, black- and silvery-weathering shale  
and slate, minor platy buff-weathering grey limestone, impure sandstone

DEVONIAN TO CARBONIFEROUS

MIDDLE DEVONIAN TO CARBONIFEROUS



13 Black shale, argillite and slate, black platy limestone, chert, minor chert-pebble conglomerate  
and quartzite 13a Nation River Formation brown-weathering fine chert-pebble conglomerate  
and chert grain sandstone may in part be younger Monster Formation (22)

DEVONIAN

LOWER MIDDLE DEVONIAN



11 Limestone dark grey, brown and black, massive to thin-bedded, very  
fine grained buff-grey-weathering

SILURIAN (?) TO MIDDLE DEVONIAN

12 Dark grey-weathering, black thin-  
bedded, platy limestone, commonly  
argillaceous and locally siliceous,  
and interbedded black chert



10 Limestone and dolomite light grey  
and dark brownish grey fine to  
medium grained, mostly alternating  
dark and light beds 2 to 5 feet thick

ORDOVICIAN AND SILURIAN



9 ROAD RIVER FORMATION mainly interbedded black chert and black,  
olive-green, and grey chert and grey-green argillite, minor quartzite, and chert-pebble  
conglomerate

ORDOVICIAN AND SILURIAN



9 ROAD RIVER FORMATION mainly interbedded black chert and black,  
olive-green, and grey chert and grey-green argillite, minor quartzite, and  
conglomerate

PALEOZOIC



8 Grey and buff-weathering dolomite and limestone, mostly medium to thick bedded, minor platy  
black argillaceous limestone and dolomite (may include some 9, 10, and 11); 8a, grey- to dark grey-  
weathering, dark volcanic rocks many partly serpentinized, brown-weathering grey-green limy tuff  
and argillite, and thin-bedded brown limestone

CAMBRIAN

MIDDLE (?) AND UPPER CAMBRIAN



6 Buff brown and grey-weathering thin- to medium-bedded limestone,  
and grey-weathering thin- to thick-  
bedded dolomite, minor brown and  
green shale and orange-weathering  
dolomite

LOWER CAMBRIAN TO ORDOVICIAN (?)

7 Grey-weathering, brown to buff lime-  
stone and limestone conglomerate.  
7a, grey-weathering, medium- to  
thick-bedded limestone and dolomite  
(may include some Precambrian)

CAMBRIAN (?)



5 Mainly brick-red, thick-bedded to  
massive sandstone and red to buff  
massive conglomerate, minor red  
shale, local andesitic or basaltic  
flows and sills

PRECAMBRIAN AND/OR LATER



4 Dark brown- and green- to light grey-weathering dark green volcanic  
filled vesicles, breccia, tuff and agglomerate, minor interbedded shale  
limestone, 4a dark brown to dark green-weathering dark green volcanic  
calcite-filled vesicles, breccia, tuff and agglomerate, interbedded with  
4b dark green fine-grained andesite

PRECAMBRIAN AND/OR CAMBRIAN



3 Mainly buff- brown- and rusty-weathering gritty quartzite sandstone  
conglomerate, black maroon and green shales and slates, schistose  
schist, quartz-mica schist and phyllite, minor limestone and black che  
bedded, dark grey limestone

PROTEROZOIC



2 Orange-weathering, platy grey-green dolomite, dark slate, minor phyllite and quartzite, 2a, pink-  
orange- and grey-weathering dolomite, grey and maroon shale, white, green and mauve quartzite,  
minor conglomerate, mottled green and maroon shale and black limestone; 2b, buff and orange  
dolomite, dark shale, minor quartzite limestone and conglomerate, 2c, massive cherty and quartz-  
ose grey dolomite, thin-bedded, buff-weathering, grey dolomite, minor black shale and white  
quartzite, 2d, buff-weathering dolomite-boulder conglomerate, 2e, dark shale and argillite, buff-  
weathering grey siltstone, minor buff- to orange-weathering dolomite

PRECAMBRIAN



1 Mainly dark grey grey-green and black, thin-bedded argillite, slate and phyllite; minor grey  
quartzite, orange-weathering dolomite, and conglomerate, 1a, grey-weathering thinly  
laminated siliceous limestone



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: CANADIAN UNITED MINERALS INC.

BOX 213  
 DAWSON CITY, YT  
 V0B 1G0

A9751920

Comments: ATTN: SHAWN RYAN

**CERTIFICATE** **A9751920**

(PRP) - CANADIAN UNITED MINERALS INC.

Project:  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 6-DEC-97.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	12	Dry, sieve to -80 mesh
202	12	save reject
229	12	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	12	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
997	2	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	1000.0
2118	12	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	12	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	12	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	12	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	12	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	12	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	12	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	12	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	12	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	12	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	12	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	12	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	12	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	12	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	12	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	12	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	12	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	12	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	12	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	12	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	12	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	12	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	12	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	12	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	12	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	12	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	12	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	12	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	12	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	12	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	12	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	12	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: CANADIAN UNITED MINERALS INC.

BOX 213  
 DAWSON CITY, YT  
 V0B 1G0

Project :  
 Comments: ATTN: SHAWN RYAN

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 06-DEC-97  
 Invoice No. : 19751920  
 P.O. Number :  
 Account : PRP

## CERTIFICATE OF ANALYSIS A9751920

SAMPLE	PREP CODE		Au ppb	Au FA	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg
			FA+AA	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
HEM S1	201	202	< 5	-----	< 0.2	1.89	6	1600	0.5	< 2	0.80	< 0.5	12	35	33	3.37	< 10	< 1	0.14	10	0.79
HEM S2	201	202	< 5	-----	< 0.2	1.92	6	1570	0.5	< 2	0.82	< 0.5	11	34	28	3.33	< 10	< 1	0.15	20	0.76
HEM SS1	201	202	< 5	-----	< 0.2	0.89	< 2	1480	< 0.5	< 2	0.93	< 0.5	10	18	24	2.70	< 10	1	0.15	10	1.13
HEM SS2	201	202	< 5	-----	< 0.2	0.87	< 2	1650	< 0.5	< 2	0.79	< 0.5	11	17	29	2.96	< 10	< 1	0.13	10	0.93
HEM SS3	201	202	< 5	-----	< 0.2	1.57	2	850	0.5	< 2	1.91	< 0.5	11	26	67	2.64	< 10	< 1	0.10	10	0.87
HEM SS4	201	202	10	-----	0.2	1.32	2	320	< 0.5	< 2	4.09	< 0.5	8	21	28	2.11	< 10	< 1	0.08	10	1.67
HS1	201	202	55	-----	0.4	1.97	46	140	3.5	< 2	0.72	< 0.5	32	17	191	4.63	< 10	< 1	0.41	80	0.61
HSS1	201	202	65	-----	0.2	2.18	140	180	2.0	2	1.25	21.0	14	39	146	3.57	< 10	1	0.06	30	0.81
HSS2	201	202	15	-----	< 0.2	2.17	18	90	2.0	< 2	0.39	< 0.5	14	34	56	3.73	< 10	< 1	0.11	30	0.63
HSS3	201	202	>10000	18.00	27.4	2.14	268	340	2.5	508	0.36	< 0.5	18	20	1545	14.60	< 10	1	0.07	40	0.62
HSS4	201	202	>10000	39.33	33.4	0.35	< 2	90	< 0.5	56	0.49	< 0.5	13	< 1	2700	>15.00	< 10	< 1	0.01	< 10	0.13
JS01	201	202	< 5	-----	< 0.2	0.77	< 2	80	< 0.5	< 2	1.25	< 0.5	6	14	33	3.25	< 10	< 1	0.07	10	0.26

①  
②  
③  
④  
⑤

CERTIFICATION: Hart Buchler



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## A9751920

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
HEM S1	201	202	2150	< 1	0.01	27	620	14	< 2	9	21	0.06	< 10	< 10	60	< 10	78
HEM S2	201	202	1970	1	0.01	25	580	12	< 2	8	22	0.07	< 10	< 10	62	< 10	72
HEM SS1	201	202	1870	< 1	< 0.01	17	700	6	< 2	3	19	0.01	< 10	< 10	26	< 10	24
HEM SS2	201	202	2300	< 1	< 0.01	18	730	4	2	4	21	0.01	< 10	< 10	29	< 10	26
HEM SS3	201	202	795	< 1	0.01	22	750	10	< 2	6	30	0.04	< 10	< 10	54	< 10	76
HEM SS4	201	202	765	< 1	0.01	19	920	14	< 2	2	37	0.03	< 10	< 10	40	< 10	124
HS1	201	202	905	7	0.05	46	1270	34	< 2	4	99	0.12	< 10	10	55	< 10	186
HSS1	201	202	865	8	0.03	136	950	28	< 2	5	42	0.09	< 10	< 10	107	< 10	2990
HSS2	201	202	405	4	0.04	25	1030	40	< 2	4	30	0.10	< 10	< 10	58	< 10	134
HSS3	201	202	910	26	0.01	50	1310	264	22	4	25	0.07	< 10	10	58	30	176
HSS4	201	202	200	< 1	< 0.01	3	300	22	6	< 1	12	0.01	< 10	30	14	< 10	82
JS01	201	202	190	< 1	0.02	7	4110	2	2	5	38	0.02	< 10	< 10	67	< 10	34

How  
 Claims

CERTIFICATION: Hart Bickler



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Project :  
 Comments: ATTN: SHAWN RYAN

## CERTIFICATE OF ANALYSIS A9751917

SAMPLE	PREP CODE		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	
	FA+AA		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	
HBS01+80	202	--																				
HBS01-80+270	201	229	< 5	0.4	1.51	26	1360	0.5	< 2	1.17	< 0.5	15	30	77	3.03	< 10	< 1	0.12	10	1.45	1005	
HBS01-270	254	229	< 5	0.2	1.46	24	1520	0.5	< 2	0.97	< 0.5	13	32	64	2.96	< 10	< 1	0.12	20	1.13	695	
HS02+80	202	--																				
HS02-80+270	201	229	50	0.6	2.42	72	170	4.5	< 2	0.74	1.0	38	23	267	5.50	10	< 1	0.45	110	0.74	1070	
HS02-270	254	229	70	0.6	2.48	76	170	4.5	2	0.77	1.5	39	30	295	5.77	< 10	< 1	0.40	110	0.73	1015	
HS03+80	202	--																				
HS03-80+270	201	229	40	0.4	3.43	136	100	12.5	< 2	0.87	2.0	44	21	172	4.52	< 10	< 1	0.20	230	0.58	1430	
HS03-270	254	229	40	0.4	3.34	140	100	11.5	< 2	0.76	1.5	40	21	159	4.43	< 10	< 1	0.17	200	0.54	1195	
MLNS01+80	202	--																				
MLNS01-80+270	201	229	60	0.8	2.53	544	150	1.0	< 2	1.11	2.0	21	28	142	3.56	< 10	< 1	0.10	30	0.65	320	
MLNS01-270	254	229	70	0.8	2.54	656	140	1.0	8	0.93	1.5	20	30	126	3.49	< 10	< 1	0.11	30	0.66	275	
MLNS02+80	202	--																				
MLNS02-80+270	201	229	95	0.6	1.83	1535	140	1.5	12	0.35	< 0.5	25	23	355	3.90	< 10	< 1	0.21	30	0.56	635	
MLNS02-270	254	229	245	1.2	2.36	2310	170	1.5	14	0.53	< 0.5	31	29	511	4.97	< 10	< 1	0.24	50	0.68	865	
MS1	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
MS2	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION:

*Hart Beckman*





# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: CANADIAN UNITED MINERALS INC. \*\*

BOX 213  
 DAWSON CITY, YT  
 V0B 1G0

Project :  
 Comments: ATTN: SHAWN RYAN

Page Number : 1-B  
 Total Pages : 1  
 Certificate Date: 04-DEC-97  
 Invoice No. : 19751917  
 P.O. Number :  
 Account : PRP

## CERTIFICATE OF ANALYSIS A9751917

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
HBS01+80	202 --	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HBS01-80+270	201 229	1	< 0.01	24	800	22	< 2	5	40	0.08	< 10	< 10	47	< 10	88
HBS01-270	254 229	1	0.01	23	890	24	< 2	5	44	0.10	< 10	< 10	53	< 10	86
HS02+80	202 --	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HS02-80+270	201 229	11	0.04	48	1360	42	< 2	5	114	0.14	< 10	20	64	< 10	214
HS02-270	254 229	9	0.03	51	1680	52	< 2	6	99	0.14	< 10	30	68	< 10	240
HS03+80	202 --	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HS03-80+270	201 229	8	0.04	57	1340	152	< 2	5	119	0.10	< 10	70	58	< 10	442
HS03-270	254 229	8	0.04	58	1360	148	< 2	5	113	0.10	< 10	50	54	< 10	474
MLNS01+80	202 --	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MLNS01-80+270	201 229	1	0.05	34	1040	162	4	5	114	0.08	< 10	< 10	43	< 10	262
MLNS01-270	254 229	< 1	0.04	35	1160	166	< 2	5	82	0.08	< 10	< 10	47	< 10	276
MLNS02+80	202 --	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MLNS02-80+270	201 229	1	0.01	29	530	60	< 2	5	82	0.04	< 10	< 10	35	< 10	96
MLNS02-270	254 229	3	0.01	37	1000	90	6	6	79	0.04	< 10	< 10	44	< 10	124
MS1	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
MS2	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION:

*Hart Buehler*

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# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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To: CANADIAN UNITED MINERALS INC.

BOX 213  
DAWSON CITY, YT  
VOB 1G0

Project :  
Comments: ATTN: SHAWN RYAN

Page Number :1-A  
Total Pages :1  
Certificate Date: 03-DEC-97  
Invoice No. :19751924  
P.O. Number :  
Account :PRP

## CERTIFICATE OF ANALYSIS A9751924

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	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
HB01	205 226	< 5	1.0	0.79	2	2070	< 0.5	< 2	0.03	< 0.5	8	65	386	14.20	< 10	< 1	0.01	< 10	0.76	255
HB02	205 226	< 5	0.6	1.92	< 2	1790	< 0.5	< 2	0.81	< 0.5	24	60	2250	5.23	10	< 1	0.33	10	1.99	590
HB03	205 226	< 5	0.2	0.28	14	90	< 0.5	2	7.75	0.5	2	28	409	2.37	< 10	< 1	0.09	< 10	4.21	4990
HB04	205 226	< 5	< 0.2	0.19	< 2	2700	< 0.5	2	5.71	0.5	5	100	15	2.88	< 10	< 1	0.10	< 10	3.03	4170
HB05	205 226	< 5	1.0	0.68	< 2	120	< 0.5	< 2	5.88	1.5	10	56	7850	3.38	< 10	< 1	< 0.01	< 10	3.35	4000
HB06	205 226	< 5	< 0.2	3.19	< 2	70	< 0.5	< 2	0.18	< 0.5	55	44	488	9.31	10	< 1	0.20	20	2.86	350
HB07	205 226	< 5	< 0.2	0.29	2	250	< 0.5	2	8.72	0.5	22	25	116	2.74	< 10	< 1	0.07	< 10	4.76	4270
HB08	205 226	15	2.4	0.27	70	80	< 0.5	< 2	5.30	0.5	34	30	606	7.41	< 10	< 1	0.09	< 10	2.95	2830
HR1	205 226	< 5	< 0.2	0.27	6	< 10	1.5	2	1.09	< 0.5	1	11	8	0.20	< 10	< 1	< 0.01	10	0.13	95
HR2	205 226	< 5	1.6	6.62	6	90	2.0	< 2	7.12	1.5	18	19	156	5.20	10	1	0.04	10	0.12	65
HR3	205 226	10	< 0.2	0.40	6	30	1.0	< 2	0.55	< 0.5	< 1	35	63	2.56	< 10	< 1	0.17	100	0.04	50
HR4	205 226	< 5	< 0.2	0.45	< 2	10	5.0	< 2	1.92	0.5	1	20	18	0.79	< 10	< 1	< 0.01	30	0.30	365
HR5	205 226	5	< 0.2	0.60	2	50	2.0	< 2	1.26	< 0.5	3	29	27	3.03	< 10	< 1	0.20	60	0.56	370
HR6	205 226	465	1.8	0.30	8	120	1.5	12	0.02	< 0.5	< 1	54	326	5.99	< 10	< 1	0.13	< 10	0.04	50
HR7	205 226	40	1.8	0.19	4	10	< 0.5	12	0.01	< 0.5	68	35	4110	>15.00	10	< 1	0.07	< 10	0.17	15
HR8	205 226	5	< 0.2	1.73	< 2	10	3.0	< 2	6.43	0.5	1	54	26	2.66	< 10	< 1	< 0.01	10	0.06	965
HR9	205 226	< 5	< 0.2	1.16	6	50	2.0	< 2	1.72	0.5	8	24	22	2.94	< 10	< 1	0.30	80	0.64	520
JR01	205 226	< 5	< 0.2	0.06	< 2	20	< 0.5	< 2	>15.00	2.5	3	28	10	0.44	< 10	< 1	< 0.01	10	0.15	345
JR02	205 226	< 5	< 0.2	1.34	2	400	< 0.5	< 2	1.32	0.5	26	107	54	1.06	< 10	< 1	0.13	< 10	0.48	600
MR1	205 226	15	< 0.2	3.74	26	220	0.5	< 2	1.59	0.5	10	81	111	4.07	10	< 1	1.09	< 10	1.69	200
MR2	205 226	< 5	< 0.2	0.69	404	30	< 0.5	< 2	2.68	< 0.5	17	23	28	2.72	< 10	< 1	0.04	< 10	0.04	60
MR3	205 226	25	0.2	4.75	34	< 10	0.5	6	3.41	0.5	12	62	58	4.23	10	< 1	< 0.01	< 10	0.03	45
MR4	205 226	25	< 0.2	1.02	128	110	1.0	2	0.57	< 0.5	7	64	13	2.07	< 10	< 1	0.59	40	0.58	260

1702N  
Claims

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CERTIFICATION: Shawn Ryan



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To: CANADIAN UNITED MINERALS INC.

BOX 213  
DAWSON CITY, YT  
V0B 1G0

Project :  
Comments: ATTN: SHAWN RYAN

Page Number :1-B  
Total Pages :1  
Certificate Date: 03-DEC-97  
Invoice No. :I9751924  
P.O. Number :  
Account :PRP

## CERTIFICATE OF ANALYSIS

### A9751924

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
HB01	205	226	< 1	< 0.01	11	100	< 2	< 2	7	38	0.01	< 10	< 10	80	10	8
HB02	205	226	5	< 0.01	46	500	2	< 2	5	45	0.01	< 10	< 10	62	< 10	26
HB03	205	226	< 1	< 0.01	7	380	4	< 2	4	35	< 0.01	< 10	< 10	12	< 10	26
HB04	205	226	< 1	0.01	6	340	2	< 2	5	80	< 0.01	< 10	< 10	8	< 10	8
HB05	205	226	2	0.01	10	< 10	2	< 2	13	46	< 0.01	< 10	< 10	18	< 10	14
HB06	205	226	< 1	< 0.01	38	680	< 2	< 2	5	3	0.02	< 10	< 10	150	< 10	30
HB07	205	226	< 1	< 0.01	9	390	2	< 2	6	53	< 0.01	< 10	< 10	13	< 10	12
HB08	205	226	1	< 0.01	23	330	48	< 2	4	24	0.01	20	< 10	27	< 10	20
HR1	205	226	1	< 0.01	1	270	< 2	< 2	< 1	8	0.02	< 10	< 10	3	< 10	12
HR2	205	226	4	0.14	30	230	12	2	< 1	432	0.16	< 10	< 10	12	< 10	60
HR3	205	226	4	0.19	1	410	22	< 2	< 1	16	0.01	< 10	< 10	16	< 10	14
HR4	205	226	< 1	< 0.01	4	40	< 2	< 2	< 1	13	0.04	< 10	< 10	4	< 10	58
HR5	205	226	3	0.12	1	1080	20	< 2	5	23	0.14	< 10	< 10	37	< 10	56
HR6	205	226	1	0.03	1	90	16	< 2	< 1	6	< 0.01	< 10	10	5	< 10	8
HR7	205	226	1	< 0.01	1	< 10	< 2	2	< 1	< 1	< 0.01	< 10	10	7	< 10	4
HR8	205	226	< 1	< 0.01	4	30	< 2	< 2	1	11	0.03	< 10	< 10	26	< 10	34
HR9	205	226	4	0.21	4	2020	16	< 2	4	60	0.14	< 10	< 10	73	10	68
JR01	205	226	< 1	< 0.01	12	230	< 2	2	1	106	< 0.01	< 10	< 10	3	< 10	20
JR02	205	226	< 1	0.03	50	110	< 2	< 2	3	73	0.05	< 10	< 10	27	< 10	12
MR1	205	226	2	0.09	17	290	10	< 2	8	169	0.17	< 10	< 10	57	< 10	40
MR2	205	226	< 1	0.10	25	760	8	< 2	< 1	80	0.11	< 10	< 10	5	< 10	10
MR3	205	226	< 1	0.18	28	990	22	2	< 1	276	0.29	< 10	< 10	22	< 10	24
MR4	205	226	< 1	0.02	6	630	10	< 2	2	111	0.13	< 10	< 10	41	< 10	28

Hoan  
Claims

CERTIFICATION: Heidi Buchler