

PROSPECTING / GEOPHYSICAL SURVEY

Tower 1 - 16

GRANT # YCO3973 - YC03988

64°41' NORTH

138°28' WEST

NTS 116 B - 9

093 93 1

FOR CANADIAN UNITED MINERALS INC.
DAWSON MINING DISTRICT

AUTHOR Shawn Ryan

Work performed August 01, 1997 / March, 1998

Date of Report August 31, 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 \$ 1600.00.

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

[Signature]

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INTRODUCTION

The Tower 1 - 16 mineral claims, grant # YC03973 - 88 will be renewed for one year. Work was done for Canadian United Minerals Inc. by author prospector, Shawn Ryan.

LOCATION

The Tower 1 - 12 mineral claims are located 82 Km north-east of Dawson City or two Km west of the Dempster Highway at around the 89 Km mark.

ACCESS

Access can be by snowmobile during winter months or by foot west from the Dempster Highway from around the 89 Km area.

PROPERTY GEOLOGY

The Tower claim block is situated on a major thrust fault called the Dawson thrust fault. A cambrian grit unit called the Hyland group is thrusting itself over ordovician - silurian road river formation from south to north respectfully.

WORK PERFORMED

There was four days of prospecting taking soil silts and rock samples. There was also one day of geophysical magnetometer survey.

WORK METHOD

There were four days spent prospecting mostly along the eastern side of the property. I took silts from two creeks draining the eastern hill side. I also took soil in between the creeks. I spent one day doing general prospecting along the ridge top and one day doing follow up on geochem and took pan samples from same silt location.

I did one day of magnetometer work. I tried a different type of survey. Instead of taking straight line survey, I took magnetometer readings at known geographical points, example ridge top, along creeks, etc. The intent of the survey was to give me a quick overall view.

INTERPRETATION

Magnetic Survey

The survey was successful in giving us a general idea on magnetic fields of the claim block. The property magnetic background seem to be in the 57700 & 790. The magnetic anomaly 57800+ is situated over a small volcanic unit called the marmot formation.

Prospecting / Rocks silts

The silts, soil and pan concentrate show anomalous value in Ni, Ag, Pb, Zn, Mo. The claims were staked because of high GSC geochem in Ni, Zn, So. We kind of expected the nickel sedex anomaly. What was different was a quartz breccia found in float. The quartz breccia had visible galena pieces in it. It ran 2.48% Pb and .79% Zn.

GEOLOGICAL IMPLICATIONS

The limited soil and silt from the Tower claim show's a very good nickel sedex signature. The other new find of breccia zone carrying Pb, Zn right on a major thrust fault could mean possible Pb, Zn, sedex.

CONCLUSION

The tower claim have a good nickel sedex geochem signature. The fact that Blackstone Resources have drilled and hit an anomalous nickel sedex zone only a few miles east along the Dawson thrust fault gives the Tower claim some hope in this regard. But since Blackstone has not hit any more good holes the nickel sedex play is quieting down.

The quartz breccia with Pb and Zn seem to be more interesting and should be followed up more closely.

RECOMMENDATION

I would recommend following up the quartz breccia float area. I suggest taking soil 25 M above creek at 25 M intervals on both sides of the creek.

I recommend a little more magnetic work around the mag high area. It could be the possible link to the Pb/Zn. Even the Pb/Zn are not magnetic. It does seem odd that the only mag high area appears above the Pb/Zn showing.

ASSAY RESULTS

See appendix

ROCK/SOIL LOCATION MAP

See appendix

MAG DATA/MAP

See appendix

COST

Tower 1 - 16

4 days prospecting at \$250 ea	=	1,000.00
Rock/soil/siltpan con	=	100.00
Magnetic survey	=	500.00
Report	=	250.00
Total	\$	<u>1,850.00</u>

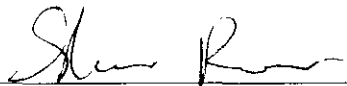
QUALIFICATION

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 Tower 1 - 16 property and work as a contractor for Canadian United Minerals Inc.



Shawn Ryan Prospector

NTS 116 B-9

Dawson Mining
DISTRICT

Tower claims
1-16

YCO3973-YCO3988

Top
Claims
March
29/97

MARCH 18/97

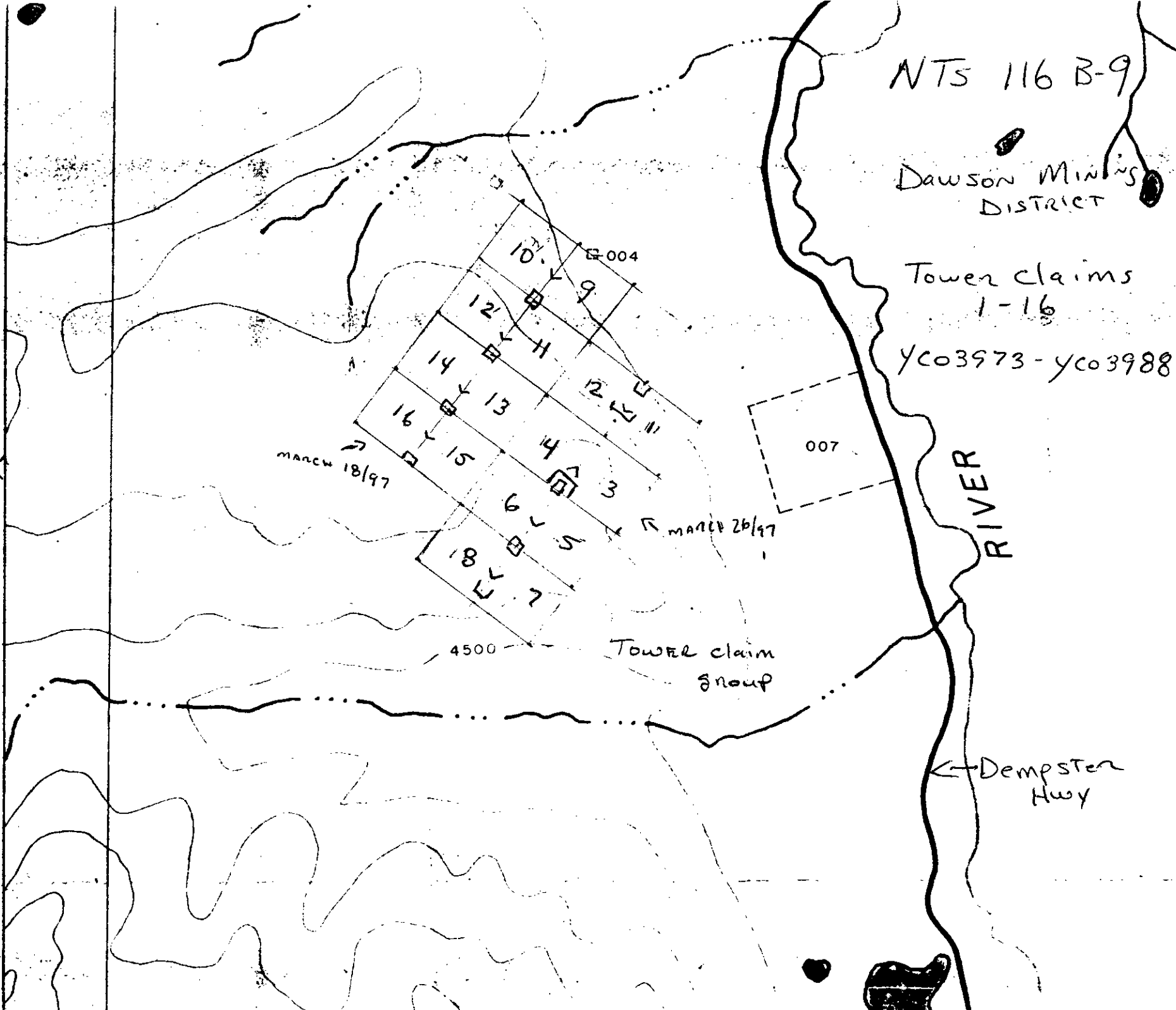
MARCH 26/97

4500

TOWER claim
group

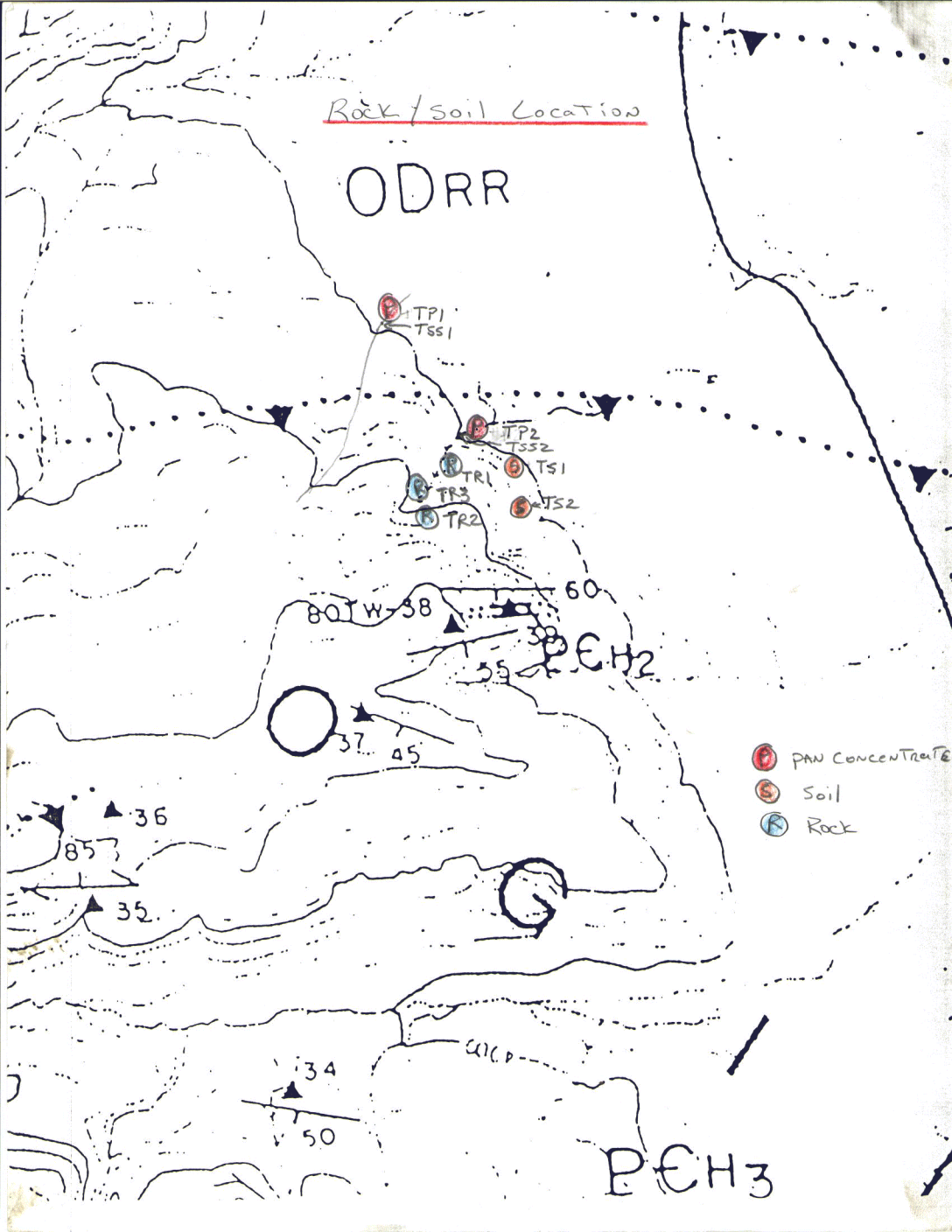
RIVER

Dempster
Hwy



Rock / Soil Location

ODRR



TP1
TSS1

TP2
TSS2

TR1

TR3

TR2

TSS1

TSS2

BOI W-38

60

55 PEH2

37

45

36

85

35

34

50

PEH3

- PAN CONCENTRATE
- Soil
- Rock

TOWER claims 1-16

Rock Description

TR1 - Quartz vein with visible Pb and Zn

TR2 - Black shale with Quartz vein.

TR3 - Quartz Breccia vein with yellow staining.



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

A9752748

Comments: ATTN: SHAWN RYAN

CERTIFICATE	A9752748
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(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
244	1	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
312	1	Pb %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0



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V0B 1G0

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Page Number : 1
Total Pages : 1
Certificate Date: 06-DEC-97
Invoice No. : 19752748
P.O. Number :
Account : PRP

CERTIFICATE OF ANALYSIS	A9752748
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SAMPLE	PREP CODE		Pb %									
TR1	244	--	2.48									

CERTIFICATION: _____



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BOX 213
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V0B 1G0

A9751918

Comments: ATTN: SHAWN RYAN

CERTIFICATE **A9751918**

(PRP) - CANADIAN UNITED MINERALS INC.

Project:
P.O.#:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 3-DEC-97.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	8	Dry, sieve to -80 mesh
202	8	save reject
229	8	ICP - AQ Digestion charge

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	8	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2125	8	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	8	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	8	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	8	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	8	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	8	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2138	8	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	8	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2147	8	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2149	8	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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Page Number : 1
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 Certificate Date : 03-DEC-97
 Invoice No. : 19751918
 P.O. Number :
 Account : PRP

CERTIFICATE OF ANALYSIS A9751918

SAMPLE	PREP CODE		Ag ppm	Cd ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	V ppm	Zn ppm			
CHEY S1	201	202	4.2	17.5	6	103	0.87	115	86	376	12	1485	3070			
CHEY S2	201	202	4.0	11.0	5	94	1.16	70	83	335	6	1150	1540			
CHEY S3	201	202	0.8	5.0	4	41	0.76	125	18	144	2	338	442			
TP1	201	202	< 0.2	44.0	110	37	5.40	>10000	82	843	14	248	6470			
TP2	201	202	0.6	15.5	17	82	3.89	515	69	218	282	722	2560			
TS1	201	202	1.0	36.0	15	96	2.91	455	37	237	102	687	3120			
TS2	201	202	< 0.2	2.0	33	61	5.77	1140	2	142	6	89	160			
TSS1	201	202	2.0	23.5	8	86	1.74	270	24	136	52	503	1270			
TSS2	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			

CERTIFICATION: _____



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To: CANADIAN UNITED MINERALS INC.

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V0B 1G0

A9751923

Comments: ATTN: SHAWN RYAN

CERTIFICATE

A9751923

(PRP) - CANADIAN UNITED MINERALS INC.

Project:
P.O. #:

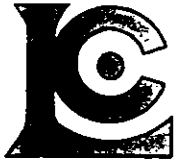
Samples submitted to our lab in Vancouver, BC.
This report was printed on 3-DEC-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	3	Geochem ring to approx 150 mesh
226	3	0-3 Kg crush and split
3202	3	Rock - save entire reject
229	3	ICP - AQ Digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	3	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2125	3	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	3	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	3	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	3	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	3	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	3	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2138	3	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	3	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2147	3	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2149	3	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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CERTIFICATE OF ANALYSIS A9751923

SAMPLE	PREP CODE	Ag ppm	Cd ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	V ppm	Zn ppm			
TR1	205 226	5.4	>100.0	3	22	0.39	255	71	52	>10000	237	7940			
TR2	205 226	0.6	9.0	3	19	1.76	75	84	154	104	437	944			
TR3	205 226	1.8	4.0	< 1	124	0.78	15	38	15	162	2130	100			

CERTIFICATION: _____

MAGNETIC SURVEY
Tower claims

STATION	READING	TIME	DRIFT	CORRECTED
BASE STATION	57 795	13:10		57 795
#1	57 880	13:16	- 1	879
#2	754	:20	- 2	752
#3	754	:23	- 3	751
#4	764	:28	- 4	57 760
#5	58 069	:37	- 5	58 064
#6	57 862	:41	- 6	57 856
#7	817	:45	- 7	810
#8	822	:50	- 8	814
#9	752	:56	- 9	743
#10	742	14:00	- 10	732
#11	742	:04	- 11	731
#12	763	:08		752
#13	793	:12	- 12	781
#14	734	:22	- 13	721
#15	744	:26	- 14	730
#16	749	:30	- 15	734
#17	778	:35	- 16	762
#18	753	:39	- 17	736
#19	750	:43	- 18	732
#20	747	:45	- 19	728
#21	745	14 :52	- 20	725
#22	753	15 :04	- 21	732
#23	749	:10	- 22	727
#24	740	:14	- 23	717
#25	741	:18	- 23	718
#26	727	:26	- 24	703
#27	736	:41	- 25	711
#28	764	:46	- 26	738
#29	750	:51	- 27	57 723

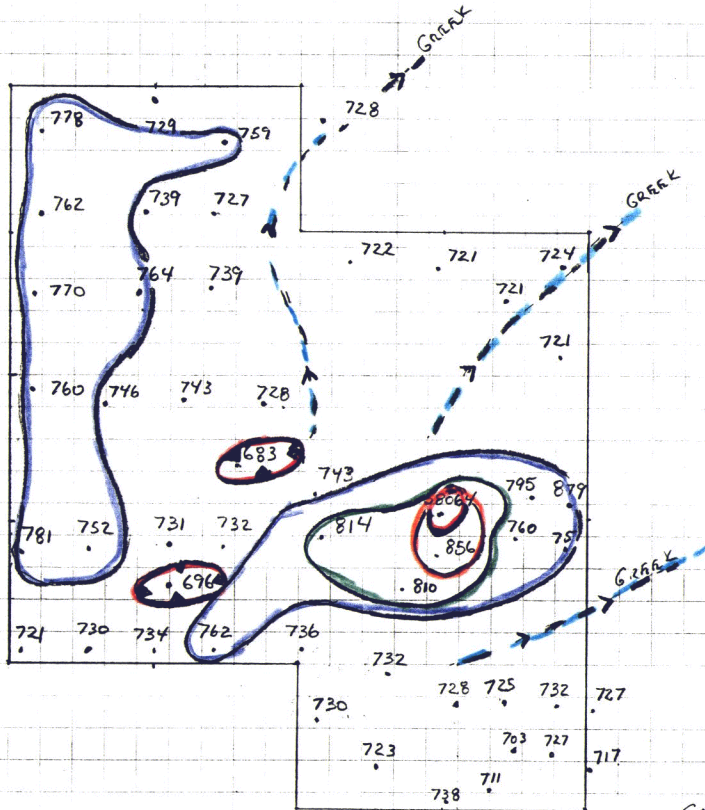
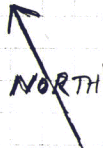
STATION	READING	TIME	DRIFT	CORRECTED
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# 31	726	16:10	-30	696
# 32	714	16:14	-36	683
# 33	760	16:22	-32	728
# 34	776	:26	-33	743
# 35	780	:29	-34	746
# 36	795	:32	-35	760
# 37	806	:35	-36	770
# 38	799	:40	-37	762
# 39	816	:44	-38	778
# 40	803	:52	-39	764
# 41	779	:55	-40	739
# 42	780	16:59	-41	739
# 43	769	17:03	-42	727
# 44	802	:07	-43	759
# 45	773	:13	-44	729
# 46	773	:16	-45	728
# 47	768	:20	-46	722
# 48	768	:24	-47	721
# 47	769	:29	-48	721
# 50	770	:32	-49	721
# 51	57773	17:37	-49	724

T₁ IN

BASE STATION 57842 17:48 -49 57795

MAGNETIC SURVEY MAP

Dempster Hwy
Kilometer, 87



GAMMAS

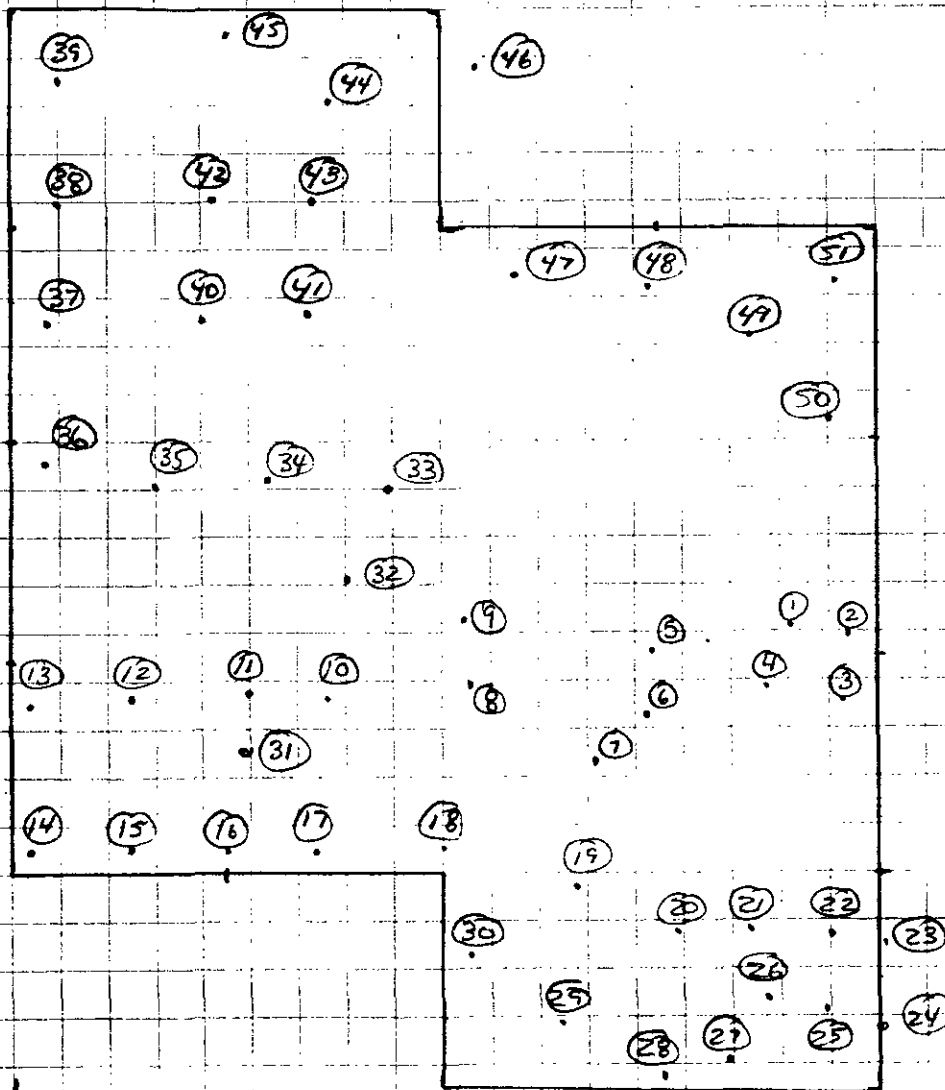
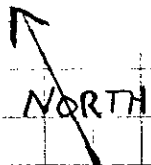
- 58000+
- 57850+
- 57800+
- 57750+
- mag Low

Scale 1—500m—1

CANADIAN UNITED MINERALS INC
Tower claims
WORK DONE, MARCH 98

TOWER CLAIM

MAGNETIC SURVEY
STATION LOCATION



Scale 1 — 500m —



N↑
1:250,000
Map 1284A

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

CRETACEOUS



21a fine to coarse-grained uneven textured biotite granitoid and 21b mainly hornblende and hornblende biotite syenite (with many large phenocrysts) uneven textured, mostly medium grained (ca. 1 mm dia)



Orange to brown weathering diorite and gabbro altered equivalents 20.



Mottled green and maroon shale and brown weathering thin bedded br



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



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



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



Limestone with some chert

MESOZOIC

TRIASSIC



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

PERMIAN



TAKKANIT FORMATION white light grey and dark grey chert cherty limestone and limestone

CARBONIFEROUS TO PERMIAN



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 siltstone minor platy buff weathering grey limestone impure sandstone

DEVONIAN TO CARBONIFEROUS

MIDDLE DEVONIAN TO CARBONIFEROUS



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



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



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

SILURIAN (?) TO MIDDLE DEVONIAN



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

PALEOZOIC

ORDOVICIAN AND SILURIAN



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

ORDOVICIAN AND SILURIAN



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



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



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 (?)



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

CAMBRIAN (?)



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



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

PRECAMBRIAN AND/OR CAMBRIAN



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 chert bedded dark grey limestone

PROTEROZOIC



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 quartzose 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



Mainly dark grey grey-green and black thin bedded argillite slate and phyllite minor grey quartzite orange weathering dolomite and conglomerate 1a grey weathering thin bedded argillite siltstone limestone

PRECAMBRIAN