

MAP NO. ASSESSMENT REPORT X  
PROSPECTUS  
CONFIDENTIAL X  
OPEN FILE

DOCUMENT NO.: 091999  
MINING DISTRICT: WHITEHORSE  
TYPE OF WORK: Geological, Geochem.

115 H 4

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REPORT FILED UNDER: United Keno Hill Mines

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DATE PERFORMED: July 25-27, 1987 DATE FILED: January 15, 1988

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LOCATION: LAT.: 61°13'N AREA: Twelfth of July Creek  
LONG.: 137°49'W VALUE \$: 1800.00

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CLAIM NAME & NO.: RUBY 1-6 YA95666-671

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WORK DONE BY: L. Walton

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WORK DONE FOR: United Keno Hill Mines

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DATE TO GOOD STANDING | REMARKS: #31 RUBY




United Keno Hill Mines Ltd.

Geological and Geochemical Report

on the

RUBY 1-6 claims

by

L. Walton - Geologist

N.T.S. 115H/4  
Latitude 61°13'  
Longitude 137°49'  
Dates: July 25 to July 27, 1987

091999

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 \$ 1800.00.

*J. J. Bremner*

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

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## 1. Summary and Conclusions

The Ruby 1-6 claims were staked in August, 1986 after a government open-file release showed anomalous gold values in sediments from streams draining the Ruby 1-6 ridge.

The host rocks on the property are Triassic hornblende diorite and Triassic Ruby Range granodiorite.

A two person crew camped on the property on July 25-27, 1987. Forty soil samples and seven rock samples were collected and sent to Chemex for analysis for thirty-three elements.

Minor fine grained disseminated pyrite was found in a light grayish-green rock in the southern part of the claim group.

Geochemical values for all 33 elements were low, and no significant anomalies were outlined.

## 2. Recommendations

The Ruby 1-6 claims should be dropped.

### 3. Introduction

On July 25, 1987 L. Walton and J. Evens set up camp on the Ruby 1-6 claims. On July 26 and July 27, 40 soil samples and 7 rock samples were collected during prospecting. The samples were analyzed for 33 elements.

### 4. Location and Access

The Ruby 1-6 claims are located 56 km by air northwest of Haines Junction on N.T.S. sheet 115H/4 at latitude 61°13' and longitude 137°49' (Figure 1). The claims are situated on a ridge between Twelfth of July Creek and Killermun Lake. Access to the property was by Trans North Turbo Air Jet Ranger 206 helicopter from Haines Junction.

### 5. History

The RUBY claims are located in the Aishihik Lake area (N.T.S. 115H). Reconnaissance geology of the Aishihik Lake area was first described by Cockfield (1928) and more recently by Tempelman-Kluit (1974). The RUBY claims were staked by United Keno Hill Mines Ltd. after a government open-file release in 1986 showed anomalous gold values in silt samples from streams in the RUBY claims area.

There is no record of the RUBY claims being previously staked. No trenches, flagging, claim posts, pickets or other signs of previous activity were noted during 1987 fieldwork.

There are no known mineral occurrences in the vicinity of the claims. Two creeks in the area, Ruby Creek and Twelfth of July Creek, have placer claims on them. Twelfth of July Creek is a tributary of Fourth of July Creek (on N.T.S. map 115G/1). Fourth of July Creek has been mined intermittently since 1903. From 1978 to 1984, Fourth of July Creek produced 6,210 oz. of gold (Debicki and Gilbert, 1986).

### 6. Property

The location of the RUBY claims is shown in Figure 2.

Claim Name	Record Number	Location Date	Recording Date	Assessment work req. by
Ruby 1-6	YA95666	Aug. 6/86	Aug. 8/86	Aug. 8/87
	to			
	YA95671			
Ruby 7-12	YA95672	Aug. 6/86	Aug. 8/86	Aug. 8/87



Figure 1

**UNITED KENO HILL MINES LTD.**  
**EXPLORATION DEPARTMENT**  
**WHITEHORSE — YUKON**

**RUBY CLAIMS**  
**LOCATION MAP**

*Mining District*  
*N.T.S. Sheet No.*  
**Scale 1:2,500,000**

*Drawn by*

*Date*



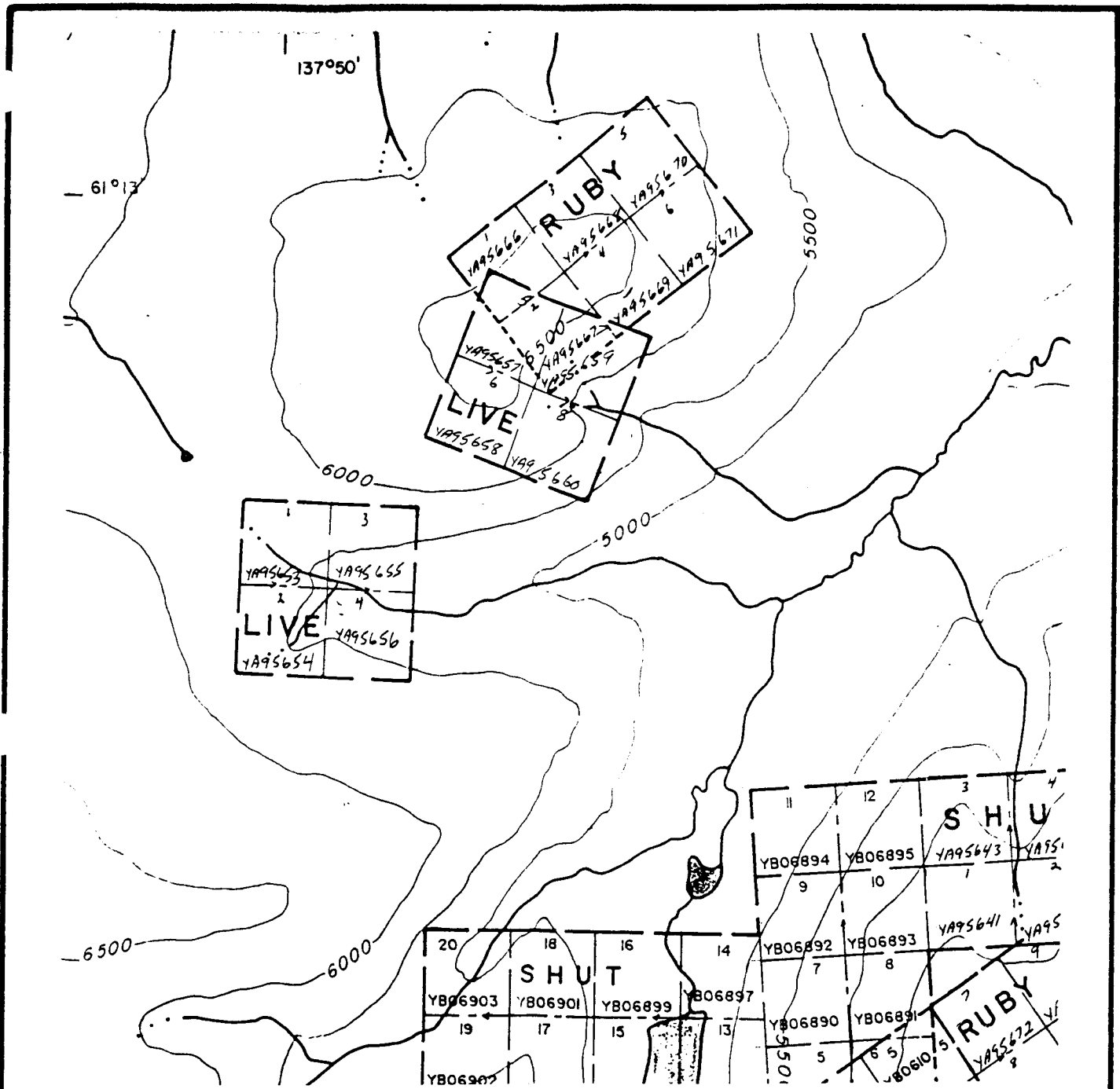


Figure 2

<b>UNITED KENO HILL MINES LTD.</b> EXPLORATION DEPARTMENT WHITEHORSE — YUKON	
<b>RUBY I-6</b> <b>CLAIM LOCATION MAP</b>	
<i>Mining District</i> Whitehorse <i>N.T.S. Sheet No.</i> 115 H/4 <i>Scale</i> 1:31,680	
<i>Drawn by</i> L.W.	<i>Date</i> 87/11/15

	to YA95677			
Ruby 13-18	YA95678 to YA95683	Aug. 6/86	Aug. 8/86	Aug. 8/87
Ruby 19	YA95913	Aug. 8/86	Aug. 15/86	Aug. 15/87
Ruby 20-25	YA95684 to YA95689	Aug. 8/86	Aug. 8/86	Aug. 15/87
Ruby 26-28	YA95690 to YA95692	Aug. 6/86	Aug. 8/86	Aug. 15/87

## 7. Physiography

The Ruby Range physiographic province was defined by Bostock (1948). The RUBY claims are situated on a series of north-south trending ridges between West Aishihik River and Jarvis River (Figure 2). The ridges are separated by broad north-south to northeast-southwest trending tributaries of West Aishihik River, McKinley Creek and Lake Creek. The floors of the stream valleys are 900 m above sea level. The ridges range in elevation from 2010 m (Ruby 1-6) to 2160 m (Ruby 29-34). Ruby 13-28 and Ruby 29-34 are bordered by steep cliffs on at least one side of the claimblock. The area has been glaciated and is situated near the northern limit of the St. Elias ice sheet.

The Ruby claims are situated above treeline. Vegetation consists solely of moss, lichen and alpine flowers. Dall sheep and caribou are abundant.

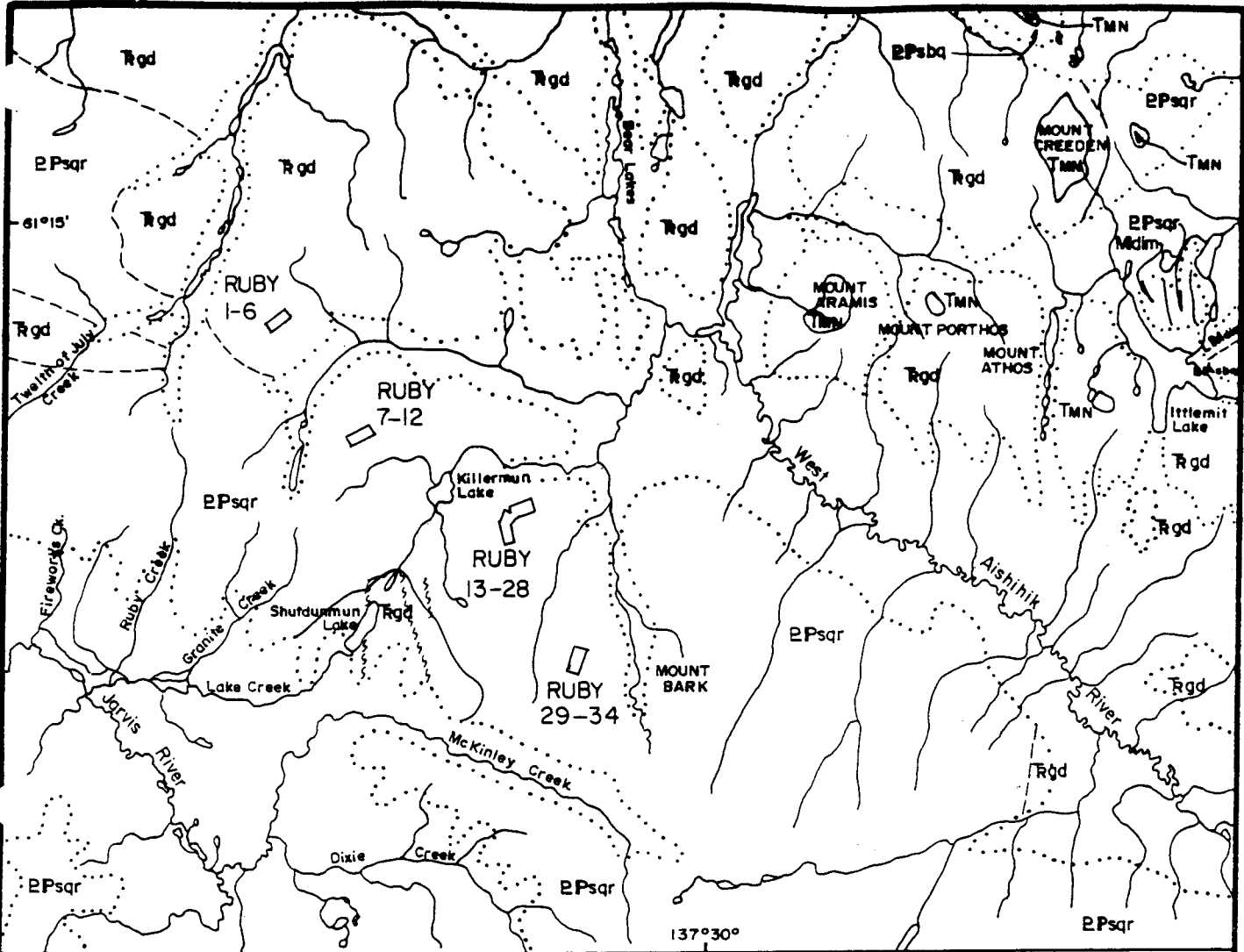
## 8. Regional Geology

### a. Tectonic Setting

The Ruby claims are situated in the Coast Plutonic Complex (Figure 3). The Coast Plutonic Complex is one of four discrete entities that formed as part of a Mesozoic arc on a foreign continental fragment now accreted to North America.

### b. General Description

Ruby 1-6 claims are underlain by the Triassic Ruby Range Batholith. The other Ruby claims (7 to 34) are underlain by Paleozoic (?) hornfels schist. The contact between the hornfels schist and the Ruby Range granodiorite is slightly south of the RUBY 1-6 claims. The Paleozoic schist has been intruded and metamorphosed by the Ruby Range Batholith.



**LEGEND**

**EOCENE**

**TMN** Mount Nansen Group volcanic rocks

**CRETACEOUS**

**LMa** Hornblende Diorite

**TRIASSIC**

**Rgd** Ruby Range Granodiorite

**PALEOZOIC**

**EPsar** Hornfelsed Schist

**EPsba** Biotite Schist

Figure 3

**UNITED KENO HILL MINES LTD.**  
**EXPLORATION DEPARTMENT**  
**WHITEHORSE — YUKON**

**REGIONAL GEOLOGY**  
**RUBY PROJECT**

*Mining District* WHITEHORSE

*N.T.S. Sheet No.* 115-H/4

*Scale* 1:250,000

*Drawn by* H.D.P.

*Date* 87/10/26

From Tempelman-Kluit (1974)

Tempelman-Kluit (1974) describes the hornfels schist as a remarkably homogeneous rock that has been overprinted on a regional scale. The schist consists of quartz, biotite, muscovite, plagioclase, chlorite, graphite and tourmaline  $\pm$  cordierite, staurolite and pink andalusite. The schist dips gently to the northeast.

The Ruby Range Batholith consists of heterogeneous medium-grained, equigranular hornblende and biotite granodiorite.

## 9. Detailed Geology

The Ruby 1-6 claims are underlain by Units 4 and 4a (Ruby Range diorite and granodiorite). The geology and sample locations are shown in Figure 4. A description of all rock types on the Ruby claims is given below:

### a. Rock Units

#### Unit 1-Gray green metasedimentary (?) rock

This unit occurs as small blocks at the south end of the Ruby 1-6 group. The rock weathers brown, brownish-red or greenish brown. The fresh surface is light grayish green with minor very small disseminated dark blebs (smoky quartz, biotite). The rock is very fine grained and homogeneous. The fresh surface is scratched easily with a knife and is mildly to moderately calcareous. The rock contains fine grained pyrite (<1mm). Slickensides and abundant white carbonate were noted in one sample.

#### Unit 2-Mafic Dyke

Unit 2 was described in the field as mafic dyke material. It is found on Ruby 13-28 and Ruby 29-34 in talus or in rubble patches. The mafic dyke appears to crosscut the host schist unit (Unit 3). The dyke rock is distinguished from the schist by its medium to dark orange-rust weathering. It fractures into irregular to blocky slabs. The fresh surface is medium to dark grayish green and is fine grained. The rock contains abundant lathe-shaped amphibole crystals and disseminated, fine grained pyrite up to 1 mm. The rock is weakly magnetic and non-calcareous.

#### Unit 3-Hornfels Schist

Hornfels schist underlies the Ruby 7-12, Ruby 13-28 and Ruby 29-34 claim groups. The schist is light to dark rust weathering, fine to medium grained and contains visible quartz-biotite and hornblende. When quartz is abundant, the rock is composed of light and dark layers. The quartz bands are 1-5 mm wide and are interbanded with bands of aligned biotite and hornblende. The rock is non-calcareous. When there are more mafic minerals, the

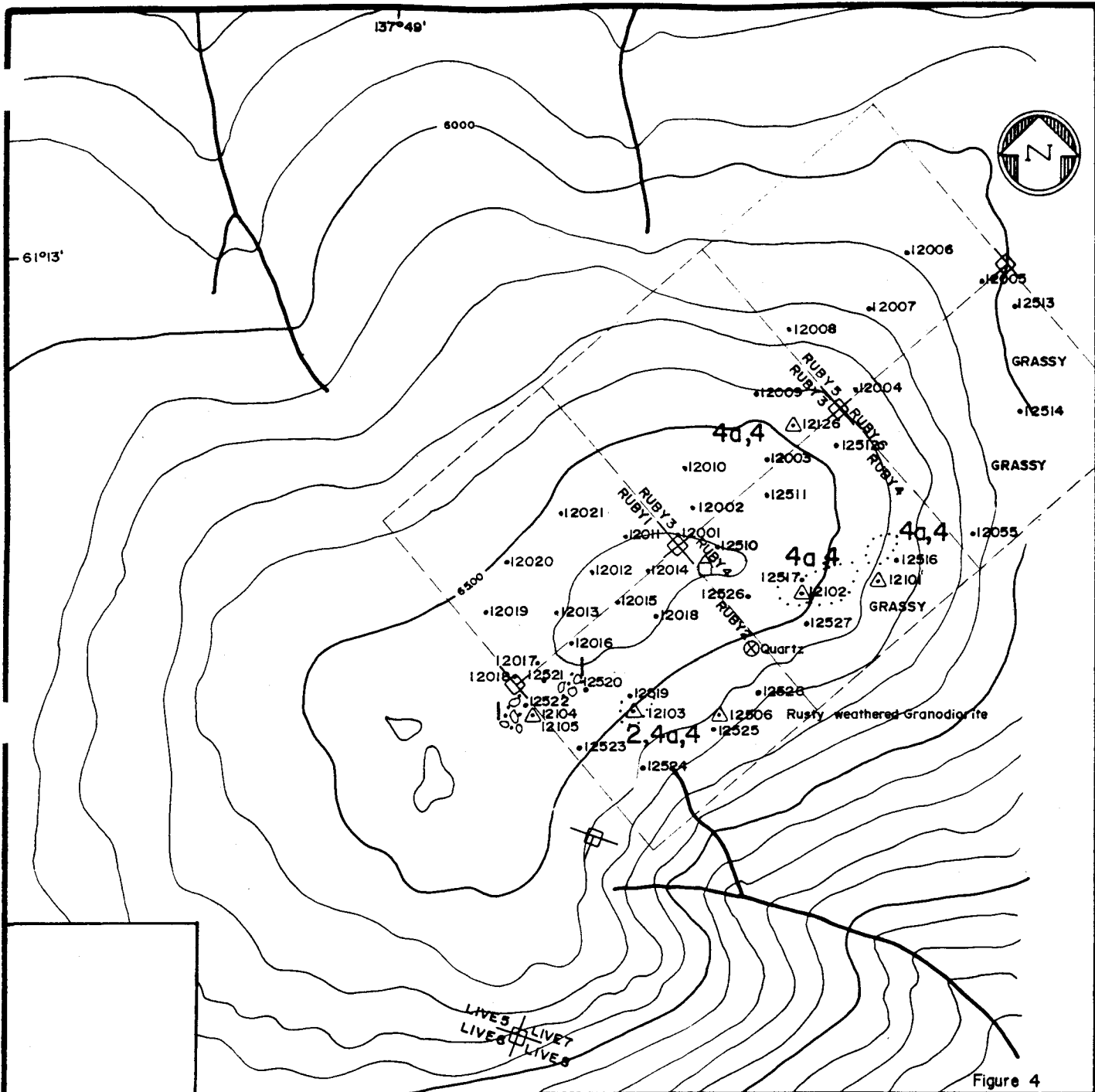
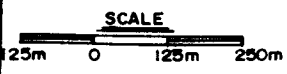


Figure 4

**LEGEND**

- ⋯ Outcrop
- == Dyke
- ⊗ Float
- Soil Sample
- △ Rock Sample
- Cliff/Bluff
- ⛑ Camp
- ⊕ Claim Post
- ⊗ Rubble

- TRIASSIC**
- 4 Ruby Range Granodiorite
  - 4a Diorite
  - 4b Felsic Dyke
- PALEOZOIC**
- 3 Hornfelsed Schist
- UNKNOWN AGE**
- 2 Mafic Dyke
  - 1 Gray-Green Metasediments



**UNITED KENO HILL MINES LTD.**  
EXPLORATION DEPARTMENT  
WHITEHORSE — YUKON

**RUBY 1-6**  
GEOLOGY AND SAMPLE LOCATION MAP

*Mining District* WHITEHORSE  
*N.T.S. Sheet No.* 115-H/4  
*Scale* 1:12,500

*Drawn by* H.D.P.      *Date* 87/10/28

rock is more homogeneous and weathers a darker rust than the quartz rich rocks.

#### Unit 4-Ruby Range Granodiorite

Ruby Range granodiorite was found on RUBY 1-6, in minor amounts. The granodiorite is leucocratic and phaneritic, with medium grain size (1-5 mm). Quartz comprises 5-10% of the rocks and is typically light gray to clear and 1-5 mm in size. Biotite comprises 5-15% of the rock and is 1-5 mm in size. Plagioclase (?) feldspar comprises 85% of the rock.

#### Unit 4a-Diorite

Diorite underlies most of RUBY 1-6. Diorite is often found in the marginal portions of large batholiths; RUBY 1-6 is situated on the southern edge of the RUBY range batholith. The diorite is fine grained. Quartz comprises <5% of the rock, plagioclase 40-50% and amphibole (hornblende) 40-50% with trace biotite. Hornblende crystals up to 2 cm long were noted.

#### Unit 4b-Felsic Dyke

Felsic dykes were noted on RUBY 7-12 and RUBY 13-28. The dykes intrude the hornfels schist unit. On RUBY 7-12 the felsic dykes are granitic and fine grained equigranular. The rock consists of 1% biotite, 20-30% muscovite, 50-60% quartz and 20-30% feldspar.

#### Quartz Veins

Bull quartz veins occur in outcrop or float on all the RUBY claim groups. The float fragments weather white and are easily spotted. The quartz veins appear to follow the schistosity. Most of the veins are barren and contain only transparent to milky massive quartz.

No economic minerals were found on RUBY 1-6. Fine grained disseminated pyrite was noted in Unit 1. Seven rock samples (Appendix C) returned low geochemical values for all elements.

### 10. Geochemical Survey

#### a. General

A reconnaissance soil sampling program was performed over the RUBY 1-6 claims. Soil samples were taken every 100 m or less along hill contours and traverse lines. Soil sample locations were marked with orange flagging tied to rocks. On the northwest side of the claims, sample pits were generally 5-10 cm deep. The soil was predominantly brown B horizon with some organic mater-

ial. On the southeast side of the claim group, the B horizon was generally 10-25 cm below the surface. The B horizon was sometimes sandy due to decomposition of underlying granitic rock.

b. Interpretation of Results

Results of soil sample analysis are listed in Appendix D. The values for Au were plotted and contoured on Figure 5.

The values for all elements are low. The highest gold values were 18 and 15 ppb gold, but these are isolated spot anomalies. Most gold values were less than 1 ppb gold. Samples 12019, 12519 and 12620 are elevated in Cr and Ni.

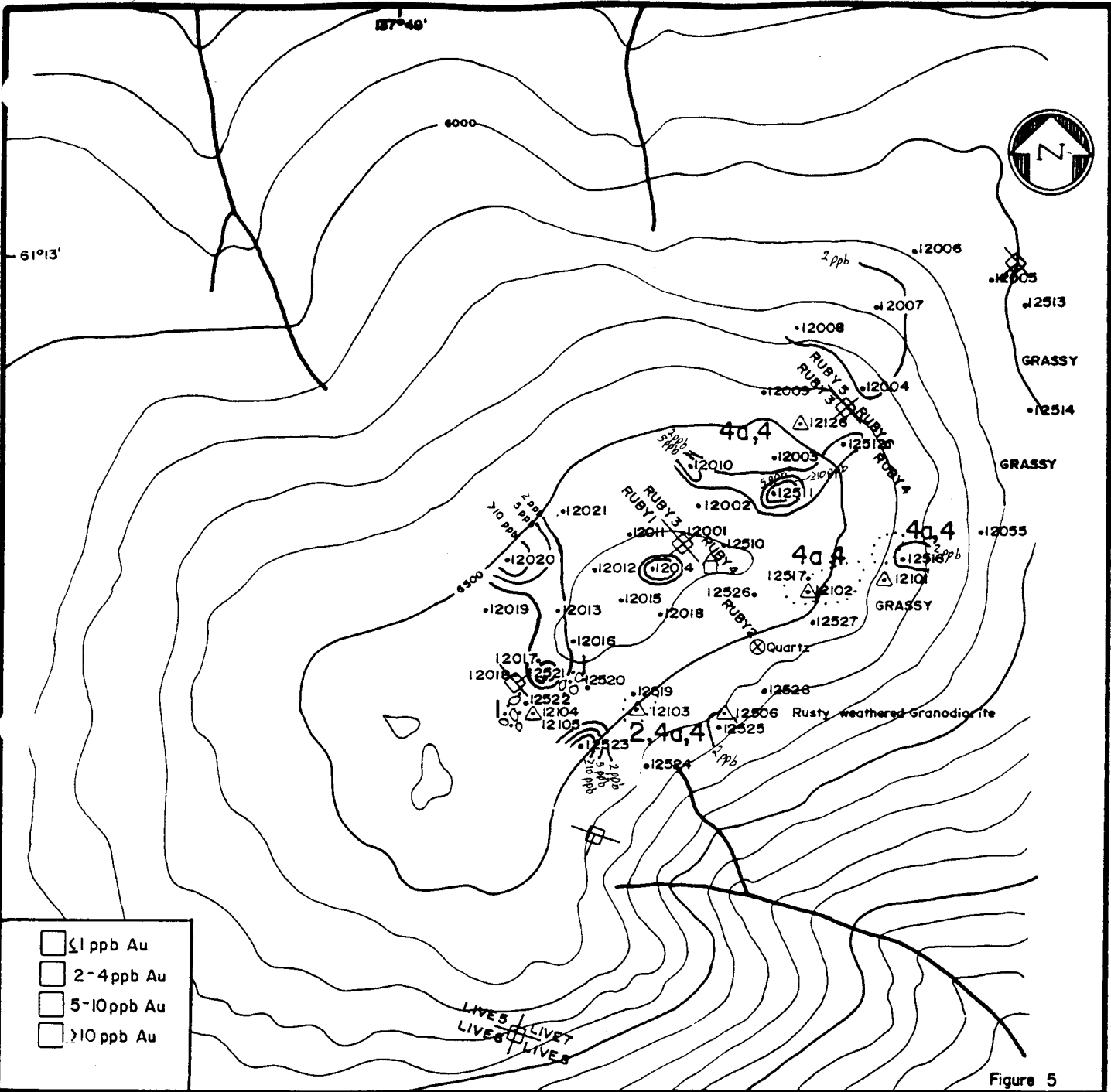


Figure 5

**LEGEND**

<ul style="list-style-type: none"> <li>⋯ Outcrop</li> <li>— Dyke</li> <li>⊗ Float</li> <li>• Soil Sample</li> <li>△ Rock Sample</li> <li>~ Cliff/Bluff</li> <li>⌛ Camp</li> <li>⊕ Claim Post</li> <li>⊗ Rubble</li> </ul>	<p><b>TRIASSIC</b></p> <ul style="list-style-type: none"> <li>4 Ruby Range Granodiorite</li> <li>4a Diorite</li> <li>4b Felsic Dyke</li> </ul> <p><b>PALEOZOIC</b></p> <ul style="list-style-type: none"> <li>3 Hornfelsed Schist</li> </ul> <p><b>UNKNOWN AGE</b></p> <ul style="list-style-type: none"> <li>2 Mafic Dyke</li> <li>1 Gray-Green Metasediments</li> </ul>
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SCALE  
0 125m 250m

**UNITED KENO HILL MINES LTD.**  
EXPLORATION DEPARTMENT  
WHITEHORSE - YUKON

**RUBY 1-6**  
SOIL GEOCHEMISTRY - Gold

Mining District WHITEHORSE  
N.T.S. Sheet No. 115-H/4  
Scale 1:12,500

Drawn by H.D.P.      Date 87/10/28



## References

Bostock, H.S., 1948, Physiography of the Canadian Cordillera with special reference to the area north of the 55th parallel: Geological Survey of Canada, Memoir 247.

Cockfield, W.E., 1927, Aishihik Lake District, Yukon: Canada Department of Mines, Summary Report, 1926, Part A.

Debicki, R.L. and Gilbert, G.W., 1986, Yukon Placer Mining Industry 1983-1984: Placer Mining Section and Mining Engineering Division, D.I.A.N.D., Yukon, p. 7-17.

Tempelman-Kluit, D.J., 1974, Reconnaissance geology of Aishihik Lake, Snag and part of Stewart River map-areas, west-central Yukon: Geological Survey of Canada Paper 73-41.

## CERTIFICATE OF QUALIFICATIONS

I, Dennis R. Prince with business address of:

United Keno Hill Mines Limited  
409 Black Street  
Whitehorse, Yukon  
Y1A 2N2

and residential address:

13 Koidern Avenue  
Whitehorse, Yukon  
Y1A 3N7  
Tel: 403-667-4720

do hereby certify that:

1. I am a practicing geologist.
2. I hold a Bachelor of Science (Honours) Degree (1970) in Geology from Memorial University of Newfoundland.
3. I am a Fellow of the Geological Association of Canada.
4. I am a member of the Professional Geoscientists Society of Yukon.
5. I have been practicing my profession for 17 years. I was employed by Falconbridge Limited as an Exploration Geologist from 1970 to 1981 and am now employed by United Keno Hill Mines Limited in the capacity of Exploration Manager.
6. This report entitled "Geological and Geochemical Report on RUBY 1-6 claims" and dated "July 25 to July 27, 1987" is based on work supervised by me as an employee of United Keno Hill Mines Limited.
7. I have not received nor do I expect to receive any interest, either directly or indirectly, in the property concerned in this report or in United Keno Hill Mines Limited.

Respectfully submitted,



Dennis R. Prince,  
B.Sc. (Hon.), FGAC

## CERTIFICATE OF QUALIFICATIONS

I, Lori A. Walton with business address:

United Keno Hill Mines Limited  
409 Black Street  
Whitehorse, Yukon  
Y1A 2N2

do hereby certify that:

1. I am a practicing geologist.
2. I hold a Bachelor of Science (Specialization) Degree (1982) in Geology from the University of Alberta.
3. I hold a Graduate Gemologist Degree (1983) from the Gemological Institute of America in California, U.S.A.
4. I hold a Master of Science Degree (1987) in Economic Geology from the University of Alberta.
5. I have been working in the field of mineral exploration since May of 1980.
6. This report entitled "Geological and Geochemical Report on the RUBY 1-6 claims" is based on my work on the property on July 25 to July 27, 1987.
7. I have not received nor do I expect to receive any interest, either directly or indirectly, in the property concerned in this report.

Respectfully submitted,



Lori A. Walton,  
M.Sc., G.G.

APPENDIX A

Project Costs

Salaries	\$2327.47
Hiring Expenses	56.31
Office Expenses	153.46
Geological Equipment	15.21
Camp Operation	
Equipment	108.49
Food	358.97
Fuel	3.99
Transport/Freight	4.69
Lodging	202.85
Assaying	930.93
Transport	49.76
Aircraft	
Helicopter	1498.58
Vehicles	4.94
Air Photography	
Contract Labor	13.24
Company Equipment	6.37
Total	\$5735.26

*Handwritten notes:*  
\$9200  
091000  
\$12000000

## APPENDIX B

### Personnel and Contractors Employed

#### Geologist

Lori Walton  
409 Black Street  
Whitehorse, Yukon  
Y1A 2N2

#### Assistant

Jane Evens  
3323 Barrett Place N.W.  
Calgary, Alberta  
T2L 1W5

#### Helicopter Support

Trans North Turbo Air  
Haines Junction Base, Yukon

#### Geochemical Analysis

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





# Chemex Labs Ltd.

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

UNION REFINED LEAD MINES LIMITED

409 BLACK ST.  
 WHITEHORSE, YUKON  
 Y1A 2N2

Project: RUBY/P/S  
 Comments:

Ruby 1-6 Soil Samples

Page No: 1-A  
 Tot. Pa: 1  
 Date: 14-SEP-87  
 Invoice: I-8719944  
 P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8719944

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Bc ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
12001	201 238	< 1	1.45	< 0.2	< 5	200	< 0.5	< 2	0.59	< 0.5	9	22	21	2.15	< 10	< 1	0.08	10	0.56	266
12002	201 238	< 1	1.69	< 0.2	< 5	220	< 0.5	< 2	0.67	< 0.5	11	28	21	2.24	< 10	< 1	0.09	20	0.64	304
12003	201 238	< 1	2.17	< 0.2	< 5	400	< 0.5	< 2	0.62	0.5	13	31	29	2.75	< 10	< 1	0.08	20	0.77	402
12004	201 238	3	1.99	< 0.2	< 5	240	< 0.5	< 2	0.58	< 0.5	11	26	28	2.46	< 10	1	0.09	10	0.74	285
12005	201 238	< 1	1.52	< 0.2	< 5	280	< 0.5	< 2	0.42	0.5	10	32	24	2.58	< 10	1	0.14	10	0.74	241
12006	201 238	< 1	1.03	< 0.2	< 5	290	< 0.5	2	0.54	0.5	7	16	20	1.73	< 10	< 1	0.05	10	0.44	249
12007	201 238	4	1.64	< 0.2	< 5	450	< 0.5	< 2	0.57	< 0.5	13	20	17	2.25	< 10	< 1	0.20	10	0.84	553
12008	201 238	4	1.86	< 0.2	< 5	260	< 0.5	< 2	0.62	< 0.5	10	24	23	2.30	< 10	< 1	0.09	20	0.70	294
12009	201 238	< 1	1.45	< 0.2	5	150	< 0.5	< 2	0.35	< 0.5	9	23	23	2.24	< 10	< 1	0.07	10	0.60	251
12010	201 238	7	1.95	< 0.2	< 5	260	< 0.5	< 2	0.59	< 0.5	13	105	33	2.22	< 10	< 1	0.11	10	0.98	237
12011	201 238	< 1	1.47	< 0.2	< 5	140	< 0.5	< 2	0.61	< 0.5	9	22	21	1.99	< 10	< 1	0.07	10	0.56	289
12012	201 238	< 1	2.35	< 0.2	< 5	280	< 0.5	< 2	0.66	0.5	13	28	29	2.84	< 10	1	0.10	20	0.83	415
12013	201 238	4	1.73	< 0.2	< 5	200	< 0.5	< 2	0.56	< 0.5	11	20	20	2.14	< 10	< 1	0.09	10	0.64	216
12014	201 238	7	2.00	< 0.2	< 5	240	< 0.5	2	0.80	< 0.5	12	26	22	2.19	< 10	< 1	0.13	20	0.72	282
12015	201 238	< 1	1.99	< 0.2	< 5	240	< 0.5	< 2	0.60	0.5	13	35	25	2.50	< 10	< 1	0.11	20	0.80	396
12016	201 238	< 1	2.87	< 0.2	< 5	230	< 0.5	< 2	0.82	< 0.5	14	45	18	3.05	< 10	< 1	0.08	20	1.12	529
12017	201 238	2	3.37	< 0.2	< 5	230	< 0.5	< 2	0.99	< 0.5	18	66	25	3.41	< 10	< 1	0.06	20	1.43	754
12018	201 238	< 1	2.28	< 0.2	< 5	240	< 0.5	< 2	0.69	0.5	13	30	29	2.47	< 10	1	0.11	10	0.73	305
12019	201 238	< 1	2.34	< 0.2	< 5	360	< 0.5	< 2	0.49	0.5	19	215	29	2.38	< 10	< 1	0.21	10	1.49	222
12020	201 238	15	2.40	< 0.2	< 5	390	< 0.5	< 2	0.63	< 0.5	14	29	22	3.08	10	< 1	0.28	20	0.93	428
12021	201 238	1	2.19	< 0.2	< 5	350	< 0.5	< 2	0.66	0.5	13	33	23	2.54	10	< 1	0.20	20	0.88	267
12022	201 238	31	2.29	< 0.2	240	250	< 0.5	< 2	0.35	< 0.5	15	62	45	3.43	< 10	< 1	0.62	20	0.91	459
12023	201 238	2	2.26	< 0.2	70	220	< 0.5	< 2	0.41	< 0.5	19	60	53	3.60	10	< 1	0.57	20	0.91	569
12024	201 238	16	2.70	< 0.2	30	260	< 0.5	2	0.33	0.5	24	67	57	4.33	10	1	0.41	10	1.03	769
12025	201 238	131	2.30	< 0.2	45	230	< 0.5	< 2	0.38	< 0.5	19	64	50	3.75	10	< 1	0.45	10	0.97	600
12026	201 238	19	2.16	< 0.2	15	220	< 0.5	< 2	0.41	0.5	15	59	40	3.26	< 10	< 1	0.54	10	0.92	456
12027	201 238	13	2.23	< 0.2	5	190	< 0.5	< 2	0.35	< 0.5	17	57	42	3.44	10	< 1	0.43	10	0.92	549
12028	201 238	14	1.87	< 0.2	5	150	< 0.5	< 2	0.46	< 0.5	15	50	41	2.99	< 10	< 1	0.33	10	0.84	454
12029	201 238	11	2.18	< 0.2	15	170	< 0.5	2	0.47	< 0.5	14	47	31	3.10	10	< 1	0.22	20	0.87	445
12030	201 238	7	2.80	< 0.2	5	240	< 0.5	2	0.49	0.5	22	62	57	3.89	< 10	< 1	0.42	10	0.96	801
12031	201 238	2	2.07	0.2	10	170	< 0.5	< 2	0.34	< 0.5	15	49	43	3.17	< 10	< 1	0.29	10	0.80	608
12032	201 238	5	2.26	0.2	5	160	< 0.5	< 2	0.39	< 0.5	14	52	38	3.40	< 10	< 1	0.24	10	0.85	519
12033	201 238	7	2.26	0.2	< 5	170	< 0.5	< 2	0.31	0.5	13	53	39	3.39	< 10	< 1	0.35	10	0.79	460
12034	201 238	3	2.53	0.4	10	200	< 0.5	2	0.45	< 0.5	14	58	37	3.50	< 10	< 1	0.47	10	0.89	566
12035	201 238	6	2.11	0.4	10	150	< 0.5	2	0.47	< 0.5	13	52	34	3.17	< 10	1	0.36	20	0.84	480
12036	201 238	22	2.25	0.2	25	180	< 0.5	2	0.36	< 0.5	14	49	37	3.31	< 10	< 1	0.29	10	0.84	509
12037	201 238	27	2.29	0.2	25	180	< 0.5	2	0.36	< 0.5	15	53	43	3.46	< 10	< 1	0.30	10	0.90	607
12038	201 238	10	2.23	0.2	35	190	< 0.5	2	0.35	< 0.5	14	50	36	3.23	< 10	< 1	0.32	10	0.85	485
12039	201 238	14	2.64	0.2	50	260	< 0.5	< 2	0.38	< 0.5	14	64	54	3.96	< 10	< 1	0.52	10	1.02	556
12040	201 238	48	1.99	0.2	165	180	< 0.5	< 2	0.36	< 0.5	15	49	35	3.17	< 10	< 1	0.36	10	0.80	428

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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

PHONE (604) 984-0221

409 BLACK ST.  
WHITEHORSE, YUKON  
Y1A 2N2

Project : RUBY/P/S

Comments:

Ruby 1-6 Soil Samples

Page No. 1  
Tot. Pa. 1  
Date 14-SEP-87  
Invoice: I-8719944  
P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8719944

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
12001	201 238	< 1	0.04	15	1110	< 2	< 5	< 10	49	0.13	< 10	< 10	55	5	51
12002	201 238	< 1	0.05	13	1410	< 2	5	< 10	56	0.12	< 10	< 10	54	10	49
12003	201 238	< 1	0.03	19	1340	< 2	5	< 10	62	0.14	< 10	< 10	62	5	60
12004	201 238	< 1	0.05	16	1460	6	5	< 10	55	0.12	< 10	< 10	55	5	56
12005	201 238	1	0.02	14	860	< 2	5	< 10	39	0.14	< 10	< 10	64	5	51
12006	201 238	< 1	0.02	9	1300	4	5	< 10	44	0.08	< 10	< 10	41	5	35
12007	201 238	< 1	0.02	11	1470	< 2	5	< 10	49	0.17	< 10	< 10	51	5	50
12008	201 238	< 1	0.04	16	1520	< 2	< 5	< 10	52	0.13	< 10	< 10	54	< 5	52
12009	201 238	< 1	0.04	13	850	< 2	< 5	< 10	34	0.12	< 10	< 10	55	< 5	53
12010	201 238	< 1	0.05	31	820	< 2	5	< 10	62	0.16	< 10	< 10	56	< 5	51
12011	201 238	< 1	0.04	14	1070	2	5	< 10	55	0.11	< 10	< 10	48	< 5	46
12012	201 238	< 1	0.05	16	1460	< 2	< 5	< 10	64	0.14	< 10	< 10	66	10	60
12013	201 238	< 1	0.05	13	990	< 2	< 5	< 10	50	0.15	< 10	< 10	50	< 5	53
12014	201 238	< 1	0.07	14	1450	< 2	5	< 10	65	0.15	< 10	< 10	56	< 5	49
12015	201 238	< 1	0.04	17	1130	< 2	5	< 10	53	0.13	< 10	< 10	57	< 5	54
12016	201 238	< 1	0.06	18	1220	< 2	5	< 10	157	0.08	< 10	< 10	54	5	59
12017	201 238	< 1	0.08	17	1090	< 2	< 5	< 10	143	0.08	< 10	< 10	72	5	65
12018	201 238	< 1	0.05	14	1090	< 2	5	< 10	69	0.15	< 10	< 10	55	10	56
12019	201 238	< 1	0.03	95	930	< 2	< 5	< 10	44	0.21	< 10	< 10	61	< 5	54
12020	201 238	< 1	0.03	16	1770	< 2	< 5	< 10	45	0.21	< 10	< 10	61	5	63
12021	201 238	< 1	0.04	16	1490	< 2	5	< 10	66	0.19	< 10	< 10	61	< 5	56
12022	201 238	< 1	0.01	45	710	< 2	< 5	< 10	27	0.19	< 10	< 10	95	< 5	77
12023	201 238	< 1	0.02	50	930	< 2	< 5	< 10	35	0.20	< 10	< 10	99	5	86
12024	201 238	< 1	0.01	50	710	< 2	5	< 10	35	0.20	< 10	< 10	113	5	104
12025	201 238	< 1	0.01	43	890	< 2	5	< 10	30	0.20	< 10	< 10	103	5	89
12026	201 238	< 1	0.02	36	850	4	5	< 10	31	0.19	< 10	< 10	94	10	76
12027	201 238	< 1	0.01	39	390	4	5	< 10	31	0.22	< 10	< 10	95	< 5	78
12028	201 238	< 1	0.02	36	760	< 2	< 5	< 10	39	0.18	< 10	< 10	82	< 5	71
12029	201 238	< 1	0.03	29	480	6	5	< 10	43	0.20	< 10	< 10	83	5	66
12030	201 238	< 1	0.02	49	1090	< 2	< 5	< 10	40	0.23	< 10	< 10	107	5	100
12031	201 238	< 1	0.01	41	530	2	< 5	< 10	26	0.19	< 10	< 10	83	5	83
12032	201 238	< 1	0.01	38	510	< 2	< 5	< 10	29	0.21	< 10	< 10	91	5	73
12033	201 238	< 1	0.01	37	670	2	< 5	< 10	28	0.20	< 10	< 10	94	5	78
12034	201 238	< 1	0.02	37	810	2	5	< 10	35	0.23	< 10	< 10	100	5	88
12035	201 238	< 1	0.02	33	820	< 2	5	< 10	35	0.20	< 10	< 10	89	5	78
12036	201 238	< 1	0.02	34	540	2	< 5	< 10	33	0.19	< 10	< 10	91	5	73
12037	201 238	< 1	0.03	39	630	4	< 5	< 10	39	0.17	< 10	< 10	90	5	88
12038	201 238	< 1	0.02	34	660	< 2	< 5	< 10	30	0.18	< 10	< 10	84	5	79
12039	201 238	< 1	0.01	44	1030	< 2	< 5	< 10	31	0.21	< 10	< 10	108	5	105
12040	201 238	< 1	0.01	31	910	2	< 5	< 10	27	0.15	< 10	< 10	83	5	80

CERTIFICATION :

*PCJ*





# Chemex Labs Ltd.

Analytical Chemists \* Geo. Chemists \* Registered Assayers

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

PHONE (604) 984-0221

UNIFIED KENO HILL MINES LIMITED

409 BLACK ST.  
WHITEHORSE, YUKON  
Y1A 2N2

Project : RUBY/P/S  
Comments :

Ruby 1-6 Soil Samples

Page No. -A  
Tot. Pa. 1  
Date 14-SEP-87  
Invoice I-8719944  
P.O. # NONE

## CERTIFICATE OF ANALYSIS A8719944

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppn	Be ppm	Bi ppn	Ca %	Cd ppn	Co ppn	Cr ppn	Cu ppn	Fe %	Ga ppm	Hg ppn	K %	La ppn	Mg %	Mn ppn
12041	201 238	6	1.52	0.4	20	190	< 0.5	2	0.50	< 0.5	14	39	36	3.69	< 10	< 1	0.21	10	0.66	486
12501	201 238	< 1	2.12	0.4	5	150	< 0.5	< 2	0.34	< 0.5	17	40	36	4.22	< 10	< 1	0.11	10	0.89	813
12502	201 238	8	2.20	0.6	5	110	< 0.5	< 2	0.27	< 0.5	14	40	34	4.14	< 10	< 1	0.10	10	0.89	588
12503	201 238	2	1.68	0.2	5	150	< 0.5	< 2	0.30	< 0.5	10	23	23	3.68	< 10	< 1	0.25	10	0.72	543
12504	201 238	2	1.59	0.2	< 5	210	< 0.5	2	0.56	0.5	11	30	25	3.02	< 10	< 1	0.21	10	0.83	425
12505	201 238	14	1.76	0.2	< 5	210	< 0.5	2	0.59	0.5	12	26	26	2.94	< 10	< 1	0.22	10	0.80	458
12506	201 238	3	1.77	0.4	10	180	< 0.5	< 2	0.73	< 0.5	11	26	25	3.12	< 10	< 1	0.21	10	0.74	467
12507	201 238	3	1.84	0.4	10	120	< 0.5	< 2	0.39	< 0.5	12	36	36	3.77	< 10	< 1	0.12	10	0.81	546
12508	201 238	3	1.63	0.2	10	140	< 0.5	< 2	0.33	< 0.5	17	35	33	3.57	< 10	< 1	0.09	10	0.80	954
12509	201 238	2	1.63	0.2	15	80	< 0.5	< 2	0.23	< 0.5	8	33	32	3.85	< 10	< 1	0.07	10	0.58	227
12510	201 238	< 1	1.76	0.2	< 5	290	< 0.5	< 2	0.70	< 0.5	10	18	19	2.04	< 10	< 1	0.12	10	0.61	279
12511	201 238	18	1.63	0.2	< 5	190	< 0.5	2	0.58	< 0.5	5	20	19	2.00	< 10	< 1	0.08	10	0.57	257
12512	201 238	2	1.75	0.2	< 5	230	< 0.5	< 2	0.64	< 0.5	10	19	22	2.27	< 10	< 1	0.07	10	0.61	276
12513	201 238	< 1	2.07	0.4	10	450	< 0.5	< 2	0.58	< 0.5	15	24	23	3.25	< 10	< 1	0.19	10	0.97	545
12514	201 238	< 1	2.04	0.2	5	340	< 0.5	2	0.47	< 0.5	10	18	19	2.25	< 10	< 1	0.16	< 10	0.87	188
12515	201 238	< 1	1.26	0.2	< 5	280	< 0.5	< 2	0.46	< 0.5	5	18	29	2.57	< 10	< 1	0.04	10	0.42	208
12516	201 238	4	2.00	0.2	< 5	240	< 0.5	< 2	0.73	< 0.5	10	21	24	2.09	< 10	< 1	0.07	10	0.60	268
12517	201 238	< 1	1.97	0.2	5	220	< 0.5	< 2	0.67	< 0.5	10	19	24	2.09	< 10	< 1	0.08	10	0.59	293
12518	201 238	< 1	2.63	0.2	< 5	220	< 0.5	< 2	0.96	< 0.5	13	30	28	2.13	< 10	< 1	0.08	10	0.81	247
12519	201 238	1	2.56	0.4	< 5	200	< 0.5	2	0.42	< 0.5	18	278	24	2.24	< 10	< 1	0.03	10	2.10	208
12520	201 238	< 1	3.50	0.2	< 5	710	< 0.5	< 2	0.65	< 0.5	28	639	35	2.56	< 10	< 1	0.38	< 10	3.09	209
12521	201 238	6	2.30	0.2	5	290	< 0.5	< 2	0.70	< 0.5	13	27	25	2.59	< 10	< 1	0.13	10	0.80	377
12522	201 238	< 1	2.30	0.2	< 5	110	< 0.5	< 2	0.53	< 0.5	12	32	26	2.47	< 10	< 1	0.06	10	0.65	453
12523	201 238	12	1.76	0.2	< 5	110	< 0.5	< 2	0.50	< 0.5	6	25	21	1.86	< 10	< 1	0.06	10	0.51	233
12524	201 238	1	3.19	0.4	5	310	< 0.5	< 2	0.88	< 0.5	15	31	36	2.53	< 10	< 1	0.09	10	0.70	508
12525	201 238	3	2.18	0.2	10	180	< 0.5	< 2	0.61	< 0.5	6	22	24	2.02	< 10	< 1	0.09	10	0.56	255
12526	201 238	< 1	2.46	0.2	10	270	< 0.5	2	0.71	< 0.5	15	38	32	2.77	< 10	< 1	0.11	10	0.91	315
12527	201 238	< 1	1.90	< 0.2	5	220	< 0.5	2	0.55	< 0.5	11	24	24	2.06	< 10	< 1	0.06	10	0.60	260
12528	201 238	2	1.70	0.2	5	240	< 0.5	2	0.57	< 0.5	12	25	23	1.96	< 10	< 1	0.09	10	0.67	253
12529	201 238	54	2.48	0.4	5	290	< 0.5	2	0.38	< 0.5	14	73	51	3.58	< 10	< 1	0.63	10	1.20	505
12530	201 238	34	2.66	0.4	15	250	< 0.5	2	0.46	< 0.5	20	70	64	3.93	< 10	1	0.55	10	1.22	600
12531	201 238	10	2.60	0.4	20	210	< 0.5	2	0.44	< 0.5	21	59	54	3.78	< 10	< 1	0.31	10	0.92	717
12532	201 238	5	2.25	0.4	5	190	< 0.5	< 2	0.54	< 0.5	15	55	43	3.37	< 10	< 1	0.34	10	0.89	569
12533	201 238	3	2.08	0.2	10	160	< 0.5	2	0.50	< 0.5	15	49	40	3.17	< 10	< 1	0.28	10	0.80	473
12534	201 238	29	2.37	0.4	15	190	< 0.5	< 2	0.58	< 0.5	15	69	40	3.29	< 10	1	0.35	10	1.10	485
12535	201 238	8	1.96	0.2	15	150	< 0.5	< 2	0.30	< 0.5	13	46	31	2.99	< 10	< 1	0.25	10	0.74	464
12536	201 238	6	1.80	0.2	10	140	< 0.5	4	0.39	< 0.5	13	45	34	2.83	< 10	< 1	0.29	10	0.74	462
12537	201 238	3	2.24	0.2	5	170	< 0.5	< 2	0.42	< 0.5	17	52	43	3.57	< 10	< 1	0.32	10	0.84	592
12538	201 238	262	2.08	0.4	135	150	< 0.5	< 2	0.52	< 0.5	18	47	41	3.26	< 10	< 1	0.32	10	0.86	424
12539	201 238	2	2.11	0.2	40	170	< 0.5	< 2	0.45	< 0.5	15	52	44	3.31	< 10	< 1	0.41	10	0.88	451

CERTIFICATION :

*[Handwritten signature]*



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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

PHONE (604) 984-0221

409 BLACK ST.  
WHITEHORSE, YUKON  
Y1A 2N2

Project: RUBY/P/S Ruby 1-6 Soil Samples  
Comments:

Page No. - 0  
Tot. Pa.  
Date 14-SEP-87  
Invoice 1-8719944  
P.O. # NONE

## CERTIFICATE OF ANALYSIS A8719944

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
12041	201 238	< 1	0.02	23	1070	2	< 5	< 10	37	0.16	< 10	< 10	107	5	79
12501	201 238	< 1	0.02	28	670	4	< 5	< 10	43	0.15	< 10	< 10	79	5	106
12502	201 238	< 1	0.01	29	760	8	< 5	< 10	30	0.12	< 10	< 10	84	10	94
12503	201 238	< 1	0.02	22	780	6	< 5	< 10	34	0.18	< 10	< 10	64	5	104
12504	201 238	< 1	0.02	23	1210	2	< 5	< 10	44	0.18	< 10	< 10	61	5	87
12505	201 238	< 1	0.03	18	850	< 2	< 5	< 10	55	0.19	< 10	< 10	64	5	80
12506	201 238	< 1	0.02	18	830	4	< 5	< 10	73	0.17	< 10	< 10	61	5	79
12507	201 238	< 1	0.01	26	720	8	< 5	< 10	36	0.14	< 10	< 10	69	5	93
12508	201 238	1	0.02	29	630	8	< 5	< 10	31	0.09	< 10	< 10	68	5	100
12509	201 238	1	0.01	21	410	6	< 5	< 10	24	0.13	< 10	< 10	72	5	72
12510	201 238	< 1	0.06	11	1390	< 2	< 5	< 10	59	0.13	< 10	< 10	43	< 5	50
12511	201 238	< 1	0.05	13	1210	< 2	< 5	< 10	50	0.11	< 10	< 10	46	5	45
12512	201 238	< 1	0.05	12	1550	< 2	< 5	< 10	68	0.11	< 10	< 10	53	5	54
12513	201 238	< 1	0.02	14	1400	< 2	< 5	< 10	57	0.14	< 10	< 10	68	5	74
12514	201 238	< 1	0.04	10	1050	< 2	< 5	< 10	53	0.15	< 10	< 10	49	5	53
12515	201 238	< 1	0.02	11	1140	< 2	< 5	< 10	48	0.11	< 10	< 10	72	5	55
12516	201 238	< 1	0.06	13	1520	4	< 5	< 10	71	0.11	< 10	< 10	49	5	50
12517	201 238	< 1	0.06	12	1370	< 2	< 5	< 10	69	0.12	< 10	< 10	47	5	50
12518	201 238	< 1	0.13	17	1400	< 2	< 5	< 10	109	0.12	< 10	< 10	48	5	50
12519	201 238	< 1	0.04	115	810	< 2	< 5	< 10	33	0.09	< 10	< 10	38	5	43
12520	201 238	< 1	0.05	176	370	< 2	< 5	< 10	68	0.21	< 10	< 10	55	5	47
12521	201 238	< 1	0.05	17	1240	< 2	< 5	< 10	62	0.17	< 10	< 10	56	10	57
12522	201 238	< 1	0.05	22	940	< 2	< 5	< 10	55	0.09	< 10	< 10	54	5	59
12523	201 238	< 1	0.05	12	940	2	< 5	< 10	51	0.09	< 10	< 10	42	< 5	44
12524	201 238	< 1	0.09	20	1880	< 2	< 5	< 10	97	0.09	< 10	< 10	51	5	66
12525	201 238	< 1	0.08	14	1000	< 2	< 5	< 10	62	0.10	< 10	< 10	43	5	46
12526	201 238	< 1	0.06	23	1720	< 2	< 5	< 10	78	0.12	< 10	< 10	56	5	72
12527	201 238	< 1	0.04	15	1130	2	< 5	< 10	52	0.10	< 10	< 10	47	5	50
12528	201 238	< 1	0.05	15	1190	< 2	< 5	< 10	54	0.12	< 10	< 10	46	5	45
12529	201 238	< 1	0.02	46	800	2	< 5	< 10	36	0.21	< 10	< 10	107	< 5	81
12530	201 238	< 1	0.02	42	1190	< 2	< 5	< 10	36	0.23	< 10	< 10	117	< 5	102
12531	201 238	< 1	0.02	42	980	4	< 5	< 10	38	0.20	< 10	< 10	101	< 5	94
12532	201 238	< 1	0.02	38	920	< 2	< 5	< 10	40	0.21	< 10	< 10	95	< 5	93
12533	201 238	< 1	0.02	38	910	< 2	< 5	< 10	38	0.19	< 10	< 10	87	< 5	75
12534	201 238	< 1	0.03	43	1250	4	< 5	< 10	54	0.18	< 10	< 10	89	< 5	83
12535	201 238	< 1	0.01	32	450	< 2	< 5	< 10	24	0.18	< 10	< 10	79	< 5	67
12536	201 238	< 1	0.02	31	750	< 2	5	< 10	28	0.17	< 10	< 10	77	< 5	70
12537	201 238	< 1	0.02	36	550	6	< 5	< 10	38	0.22	< 10	< 10	93	< 5	76
12538	201 238	< 1	0.03	34	900	12	< 5	< 10	46	0.17	< 10	< 10	82	< 5	85
12539	201 238	< 1	0.02	35	740	6	< 5	< 10	37	0.21	< 10	< 10	88	< 5	81

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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

PHONE (604) 984-0221

UNION RUBY MINE MINES LIMITED

409 BLACK ST.  
WHITEHORSE, YUKON  
Y1A 2N2

Project : RUBY/R P Ruby 1-6 Rock Samples  
Comments:

Page No 7-A  
Tot. Pa  
Date 5-OCT-87  
Invoice I-8720251  
P.O. # NONE

## CERTIFICATE OF ANALYSIS A8720251

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Bc ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
12101	205 238	29	1.28	0.2	< 5	440	< 0.5	< 2	1.00	< 0.5	9	16	12	3.43	10	< 1	0.22	10	0.84	293
12102	205 238	4	0.14	0.2	< 5	10	< 0.5	< 2	0.14	< 0.5	< 1	162	3	0.25	< 10	< 1	< 0.01	< 10	0.03	26
12103	205 238	< 1	2.87	0.2	< 5	610	< 0.5	< 2	1.08	< 0.5	19	25	20	4.30	20	< 1	0.06	10	2.35	588
12104	205 238	< 1	3.79	0.2	< 5	40	< 0.5	2	10.25	< 0.5	11	95	10	2.65	10	< 1	0.11	< 10	1.59	646
12105	205 238	< 1	4.18	0.2	< 5	80	< 0.5	< 2	2.50	< 0.5	20	172	29	3.23	20	< 1	0.03	< 10	2.73	433
12106	205 238	< 1	1.03	0.2	< 5	710	< 0.5	< 2	0.73	< 0.5	7	38	59	2.32	10	< 1	0.46	10	0.43	179
12107	205 238	< 1	6.26	0.2	< 5	90	0.5	< 2	4.54	0.5	9	57	54	2.07	< 10	< 1	0.03	< 10	0.25	171
12108	205 238	< 1	0.42	0.2	< 5	90	< 0.5	< 2	0.18	< 0.5	4	74	7	0.38	< 10	1	0.13	< 10	0.10	268
12109	205 238	< 1	0.07	0.2	< 5	< 10	< 0.5	< 2	0.02	< 0.5	< 1	155	3	0.27	< 10	1	< 0.01	< 10	0.03	39
12110	205 238	< 1	2.98	0.2	< 5	660	0.5	< 2	0.14	0.5	13	168	71	4.45	20	< 1	1.50	10	1.20	557
12111	205 238	3	1.93	0.2	5	60	1.5	< 2	0.03	< 0.5	7	114	8	2.23	< 10	< 1	0.16	< 10	0.91	670
12112	205 238	50	1.52	0.2	475	100	< 0.5	< 2	0.09	< 0.5	6	86	59	3.12	< 10	< 1	0.26	20	0.50	171
12113	205 238	< 1	0.08	0.2	20	10	< 0.5	< 2	0.05	< 0.5	< 1	142	3	0.33	< 10	1	0.03	< 10	0.01	28
12114	205 238	88	0.12	0.2	1195	20	< 0.5	< 2	0.01	< 0.5	< 1	122	6	0.76	< 10	1	0.07	< 10	0.02	25
12126	205 238	< 1	1.52	0.2	10	710	< 0.5	< 2	1.22	< 0.5	7	55	12	1.87	< 10	< 1	0.39	10	0.61	199
12127	205 238	< 1	0.02	0.2	10	< 10	< 0.5	< 2	0.02	< 0.5	< 1	170	2	0.17	< 10	1	< 0.01	< 10	< 0.01	18

CERTIFICATION :

*BCG*



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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MINED KENO HILL MINES LIMITED

409 BLACK ST.  
WHITEHORSE, YUKON  
Y1A 2N2

Project : RUBY/R P.  
Comments:

Ruby 1-6 Rock Samples

Page No. - 5  
Tot. Pa. 5  
Date 5-OCT-87  
Invoice I-8720251  
P.O. # NONE

## CERTIFICATE OF ANALYSIS A8720251

SAMPLE DESCRIPTION	PREP CODE		Mb	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	
12101	Ruby 1-6	205	238	< 1	0.09	< 1	1640	4	< 5	< 10	42	0.17	< 10	< 10	70	< 5	76
12102		205	238	< 1	< 0.01	< 1	20	< 2	< 5	< 10	14	< 0.01	< 10	< 10	2	< 5	3
12103		205	238	< 1	0.10	23	1350	12	< 5	< 10	111	0.27	< 10	< 10	33	< 5	78
12104		205	238	< 1	< 0.01	2	440	< 2	< 5	< 10	149	0.09	< 10	< 10	80	< 5	38
12105		205	238	< 1	0.38	57	830	4	< 5	< 10	262	0.25	< 10	< 10	46	< 5	72
12106	205	238	< 1	0.11	< 1	1480	< 2	< 5	< 10	55	0.14	< 10	< 10	56	< 5	35	
12107	205	238	< 2	0.31	16	1260	8	< 5	< 10	602	0.07	< 10	< 10	25	< 5	16	
12108	205	238	< 1	0.02	24	500	8	< 5	< 10	10	< 0.01	< 10	< 10	2	< 5	13	
12109	205	238	< 1	< 0.01	3	20	2	< 5	< 10	1	< 0.01	< 10	< 10	2	< 5	2	
12110	205	238	< 1	0.04	37	570	8	< 5	< 10	12	0.33	< 10	< 10	155	< 5	95	
12111	205	238	< 1	0.02	25	50	< 2	< 5	< 10	5	0.05	< 10	< 10	34	< 5	34	
12112	205	238	< 1	< 0.01	18	460	4	< 5	< 10	8	< 0.01	< 10	< 10	43	< 5	33	
12113	205	238	< 1	< 0.01	2	190	< 2	< 5	< 10	1	< 0.01	< 10	< 10	2	< 5	1	
12114	205	238	< 1	< 0.01	3	100	< 2	< 5	< 10	7	< 0.01	< 10	< 10	1	< 5	7	
12126	Ruby	205	238	< 1	0.19	1	1500	< 2	< 5	< 10	82	0.11	< 10	< 10	55	< 5	42
12127	1-6	205	238	< 1	< 0.01	1	20	< 2	< 5	< 10	1	< 0.01	< 10	< 10	1	< 5	1

CERTIFICATION :