

## Summary of observations on the Firelord and Firestone Claims, Yukon

### 1.0 Introduction

The Firelord and Firestone claims were examined on 6 September, 1986. They are located on Crooked Creek in the northwest corner of claimsheet 115P1 a few km east of the Klondike Highway.

### 2.0 Firelord

#### 2.1 Geological Setting

The general area is underlain by medium to dark grey, micaceous quartzite; carbonaceous schist and calcareous, medium grey thinly banded schist. The lithologies are similar to those mapped as various PPK units by Tempelman - Kluit in Quiet Lake and Finlayson Lake mapsheets.

#### 2.2 Upper Bluff

##### 2.2.1 Description

The schist and quartzite sequence contains generally foliaform quartz veins from 2 to 15 cm thick. Veins are slightly rusty weathering apparently due to now largely leached out pyrite. The quartz is milky and medium granular. The veins are affected by bouginage and are folded (Type 1 Veins). The quartz veins occur through an about 1m thick interval at the base of the outcrop, but only comprise 20% of that interval. The sequence is also cut by a less rusty, quartz and calcite vein that is discordant to the foliation (Type 2 vein).

The main foliation in the schists and quartzites is almost flatlying and axial planar to isoclinal folds in banding and an earlier foliation. The main foliation and the quartz veins are further deformed into small open folds. The type 2 vein appears to be related to one of these late fold axial planes.

##### 2.2.2 Sample Results

Sample 1 was a composite of about 2 kg of chip samples from the type 1 veins. Care was taken to insure that a representative portion of the edges of the vein and surrounding host rock was taken.

Sample 2 was a collection of chips from the type 2 vein.

No gold was detected in either sample.

## 2.3 Lower Bluff

### 2.3.1 Description

The Lower Bluff is composed of generally the same sequence as the upper Bluff but there are additionally 1/2 - 1m thick quartzites interbanded with recessive variably calcareous grey schist to marble. Both these lithologies contain minor disseminated euhedral pyrite.

The outcrop contains numerous foliaform veins similar to those in the Upper Bluff. There are additionally thin enechelon quartz veins to irregular bodies generally a few cm thick within the quartzite bands and making an angle of about 30° to the foliation and banding of the quartzite. These are suggestive of having formed during layer parallel shear.

### 2.3.2 Sample Results

Sample 3 is a composite of foliaform veins beneath the quartzite band with the enechelon veins. The chips are from veins within a 2m interval beneath the quartzite including the area of a blasted out hollow in the outcrop.

Sample 4 is a composite of mainly foliaform veins and some of the surrounding host quartzite and marble along with some of the enechelon veins described in the quartzite bands. The veins are 2 cm to 40 cm thick. The sample represents about 3m vertical interval and covers the basal portion of the outcrop.

No gold was detected in either sample.

## 3.0 Firestone Claims

### 3.1 Geological Setting

The Firestone claims are about 5 km downstream from the Firelord claims.

The sequence consists of medium grey, lustous, calcite-quartz-muscovite schist/phyllite underlain by light greenish beige, slightly calcareous, gritty quartzite. The quartzite has a greenish, silvery tan foliation surface with a prominent striping lineation. Foliation and layering dip shallowly northwest. Quartz and minor ankerite (?) veins occur along the foliation and are boudinaged as the type 1 veins at Firelord.

### 3.2 Sample results

#### 3.2.1 Sample 5

A collection of chips from boulders dislodged from the main vein. The trenched area is now covered by slide material but Mr. Carson reports it is up to 1m thick and can be traced about 7m along the foliation; he describes it as pod like.

No gold was detected.

#### 3.2.2 Sample 6

Silvery tan, micaceous, gritty quartzite with minor pyrite which Carson reports contained gold in previous samples.

No gold was detected.

#### 3.2.3 Sample 7

A collection of chips from the same quartz vein material as sample 5.

No gold was detected.

#### 3.2.4 Sample 8

Greenish tinged, silvery, light beige, micaceous quartzite to quartz mica schist with minor disseminated pyrite. This sample represents about 1.5m of section normal to the foliation and is 2m SW of R38056 chip sample taken by Noranda. The sample was about 5 kg.

No gold was detected.

#### 3.2.5 Sample 9

A composite of grab samples from quartz veins at the top of the outcrop hosted by grey, calcareous schist. These veins were not previously known to be gold bearing.

No gold was detected.

### 4.0 Summary and Conclusions

The veins on both properties are typical of metamorphic "sweats" widely developed in metamorphic sequences. Their age would be essentially that of metamorphism and deformation, thus Triassic or earlier. As such they predate movement in the Tintina fault and would be unrelated despite the position of the claims near the fault zone. These veins have no characteristics of epithermal mineralization. These types of veins are known to carry minor gold in the schist/quartzite sequences of the Klondike area and may well be the source of gold concentrated in placers. The direct economic potential of such veins is limited.

The sampling was oriented to test the gold content of large volumes of material, the sort of volumes that could be mined on a small scale. The large samples (2-5 kg in general) were an attempt to overcome the nugget effect. That all the samples contained no gold suggests to me that this property has little potential for an economic deposit and that the gold present is very local and of a minor quantity perhaps best indicated by the low grade samples taken previously. The levels of gold in the previous sampling are in accord with those reported by Boyle in similar veins elsewhere in this metamorphic sequence.

#### 5.0 Recommendation

I do not recommend that Curragh proceed further with this property. I would further recommend focusing prospecting efforts on a more favourable geological environment.

Respectively Submitted,

Gregg Jilson  
Manager Regional Geology  
CURRAGH RESOURCES

DAY SAMPLED

ERICKSON GOLD MINING CORP.

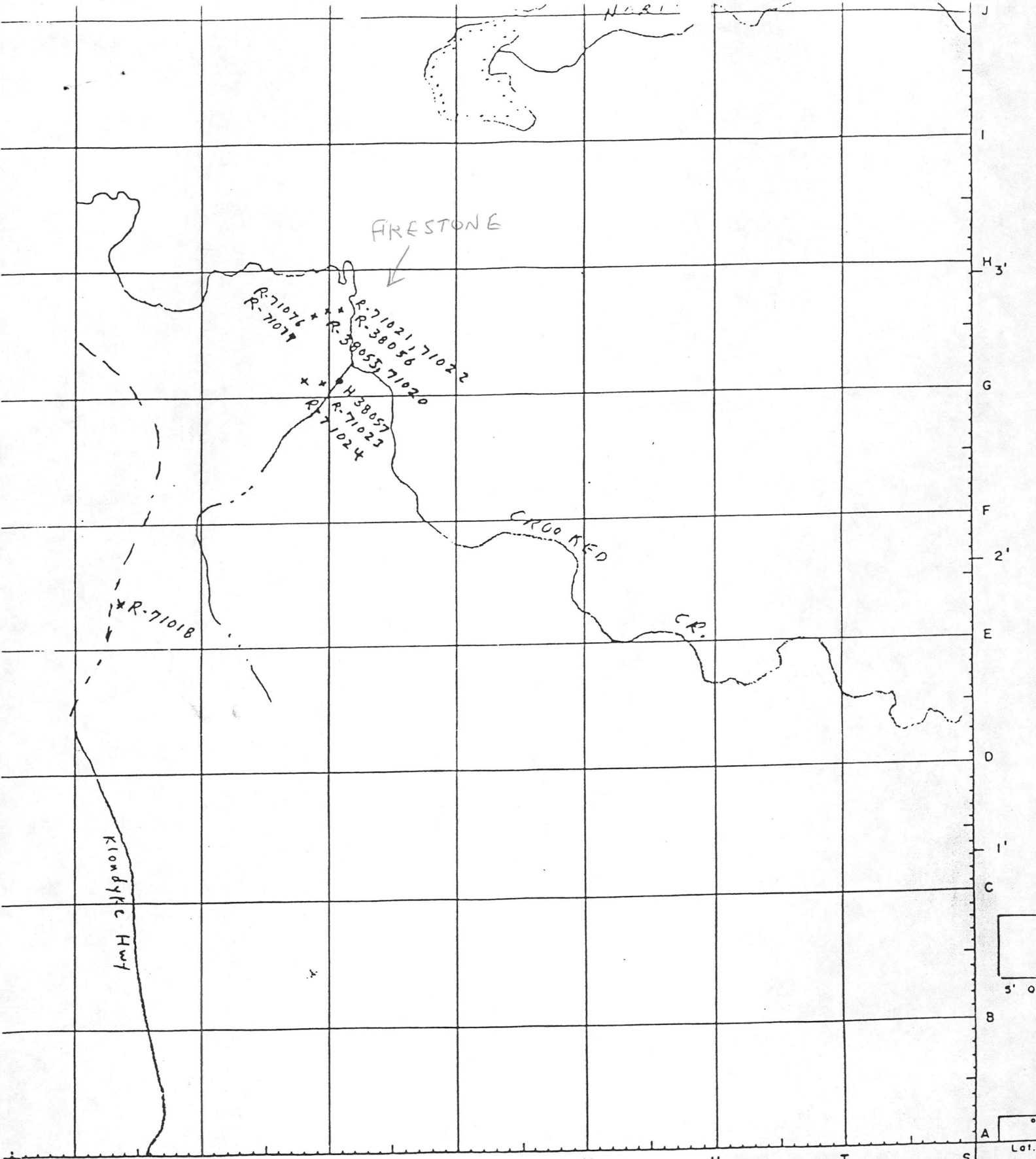
DAY ASSAYED

## DAILY ASSAY REPORT

9/5/84

SAMPLE NO.	LOCATION	CARS	Au oz/ton	Ag oz/ton	TAKEN BY
F#1	FIRESTONE	—	TR	.08	
F#2		—	TR	.08	
F#3			TR	.08	
F#4			TR	.06	
F#5			TR	.12	
F#6			TR	.06	
F#7			TR	.02	
F#8	1/2 vein		.442	.20	
F#9	"		.296	.16	
F#10			TR	.06	
	2' intervals gtz vein and				
	host rocks. chip samples				
	sampled by Jearson				





NO. OF SAMPLES 11 SAMPLE NOS. R-71018-24, 71076, 38055, 38056  
10 Rocks 1 Penned Conc. H-38057

PROJECT \_\_\_\_\_ DATES SAMPLED 11 10 11 COLLECTORS WR SJM

REMARKS \_\_\_\_\_

SCALE 1:50,000 N.T.S. NO. 115 P/1 G.C.I. NO. 3806





NCRANDA VANCOUVER LABORATORY

\*\*\*\*\*

PROPERTY/LOCATION: Firestone \* NTS 115 P/1 CODE :8507-031

GCI 3806

Project No. : 394 Sheet: Date rec'd: July 5

Material : Rock & Pan Geol.: W.R. Date compl:

Remarks :

Values in PPM, except where noted.

T.T. No.	SAMPLE No.							PPB
		Cu	Zn	Pb	Ag	As	Au	
26	ROCK 71018	6	12	26	0.2	2	10	
27	19	12	56	50	0.4	2	10	
28	20	6	52	10	0.2	2	10	
29	21	14	130	460	1.0	2	10	
30	22	12	560	260	0.4	2	10	
31	23	16	32	4	0.2	2	10	
32	71024	72	42	8	0.2	2	10	
33	71076	8	14	10	0.2	2	10	
34	38055	4	26	6	0.2	2	10	
35	38057	22	240	200	0.8	2	10	

T.T. No.	SAMPLE No.	Sample wt. (g)	PPB					
			Au	Cu	Zn	Pb	Ag	
Pan-con	38058	9.5	40	8	22	1	0.2	

Disposition: 0





# KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

912 - 1 LAVAL CRESCENT — KAMLOOPS, B.C.  
V2C 5P5  
PHONE: (604) 372-2784 — TELEX: 048-8320

**B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS**

## CERTIFICATE OF ASSAY

TO Curragh Resources Ltd.  
117 Industrial Rd.,  
Whitehorse, Yukon Y1A 2T8

Certificate No. K 7756  
Date November 10, 1986

Re: Yukon Property 86-1

**I hereby certify** that the following are the results of assays made by us upon the herein described \_\_\_\_\_ samples

Kral No.	Marked	Au							
		ozs/ton							
1	1	L.001							
2	2	L.001							
3	3	L.001							
4	4	L.001							
5	5	L.001							
6	6	L.001							
7	7	L.001							
8	8	L.001							
9	9	L.001							
	L means "less than"								

**NOTE:**  
Rejects retained three weeks.  
Pulps retained three months  
unless otherwise arranged.

*Derek A. Blundell*

Registered Assayer, Province of British Columbia



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912 - 1 LAVAL CRESCENT — KAMLOOPS, B.C.

V2C 5P5

PHONE: (604) 372-2784 — TELEX: 048-8320

## CERTIFICATE OF ASSAY

B.C. LICENSED ASSAYERS  
GEOCHEMICAL ANALYSTS  
METALLURGISTS

TO Mr. James Carson

Certificate No. K-5470

Date May 26, 1983

I hereby certify that the following are the results of assays made by us upon the herein described \_\_\_\_\_ samples

Krai No	Marked	Au	Ag	Pt				
		ounces/ton	ounces/ton	ozs/ton				
1	1	.005	.03	L.001				
2	2	L.001	.03	L.001				
3	3	(.032)	.03	L.001				
			← MEGALYARDS					
		Weight Percent	Au ounces/ton					
1	1	-100	99.727	.0005				
		+100	.273	1.84				
		Combined		.005				

L means "Less than"

**NOTE:**  
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Pulps retained three months  
unless otherwise arranged.



TECHNATIONAL RESEARCH CORPORATION

□ 3202 St. Johns Street  
Port Moody, B.C. V3H 2C9

Tel: (604) 461-3724

□ 29 MacDonald Road  
Porter Creek  
Whitehorse, Y.T. Y1A 4L1  
Tel: (403) 633-4384

(CERTIFICATE OF ANALYSIS)

TO: JAMES CARSON  
BOX 4610  
WHITEHORSE, YUKON

DATE: JUNE 24/82

Sample Number	Gold	Silver	Platinum			
W1634	oz/ton	oz/ton	oz/ton			
LOWER BLUFF -Bulk1	0.04	0.18				
LOWER BLUFF - #2	0.02	L.0.02				
ROCK #1 LB ← lower bluff	0.02	L.0.02				
ROCK #2 LB	0.18	0.02				
ROCK #3 LB	0.04	L.0.02				
ROCK #4 LB	0.06	0.02				
ROCK #5 LB	0.04	0.18				
RIA LB	0.04	0.04				
R2A LB	0.06	0.02				
R3A LB	0.04	0.92				
R4A LB	0.04	0.03				
CHIPS LB	0.02	L.0.02				
LEACHING LB	0.12	L.0.02				
SOIL #1	0.02	L.0.02				

L. = LESS THAN

*more  
blasting back at  
fire stone.  
second blast  
rocks and gtz vein*

*Don Carson*  
Gov't. Certified Assayer

FIRE ASSAY

Samples or parts thereof retained 30 days unless otherwise arranged.

All reports are the confidential property of clients. Publication of statements, conclusions or extracts from or regarding our reports is not permitted without our written approval. Any liability attached thereto is limited to the fee charged.



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29 MacDonald Road  
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Whitehorse, Y.T. Y1A 4L1  
Tel: (403) 633-4384

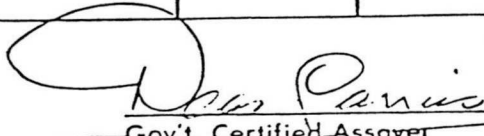
Tel: (604) 461-3724

(CERTIFICATE OF ANALYSIS)

TO: JAMES CARSON  
BOX 4610  
WHITEHORSE, YUKON

DATE: JUNE 24/82

Sample Number	Gold	Silver	Platinum			
W1634	oz/ton	oz/ton	oz/ton			
CHIPS UB	0.02	0.02				
LEACHING UB	0.04	L.0.02				

  
Gov't. Certified Assayer

FIRE ASSAY

L. = LESS THAN

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Tel: (604) 461-3724

29 MacDonald Road  
Porter Creek  
Whitehorse, Y.T. Y1A 4L1  
Tel: (403) 633-4384

(CERTIFICATE OF ANALYSIS)

TO: JAMES CARSON  
BOX 4610  
WHITEHORSE, YUKON  
Y1A 1A6

DATE: June 3/82

Sample Number	Gold	Silver	Platinum			
W1609	oz/ton	oz/ton	oz/ton			
09-1 <i>host rock</i>	0.24	0.08				
09-2 <i>host rock chips</i>	0.36	1.24				
09-3 <i>soil down hill from shavings</i>	0.08	L0:02				

L = LESS THAN

*Dean J. Amie*  
~~Govt. Certified Assayer~~  
FIRE ASSAY

*first blasting at firestone vein*

Samples or parts thereof retained 30 days unless otherwise arranged.

All reports are the confidential property of clients. Publication of statements, conclusions or extracts from or regarding our reports is not permitted without our written approval. Any liability attached thereto is limited to the fee charged.

0441 110  
 ASSAY FOR TELLURIDES  
 PYRAMID REFINING LAB  
 VAN.

140 GRAMS  
 HIGH - 9.557 - 13.96  
 LOW - 6.494 - 9.199

CLAIM #9  
 HOST ROCK + QUARTZ WEIR

113

DATE Sept 11 1980

FILE NO. 80-029W.

# ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD  
 BOX 4518 WHITEHORSE Y.T.  
 PHONE 667 2694 Y1A 2R0

SAMPLE RECEIVED FROM:

Dr. R. RANIGAN

SAMPLE NO.	PPM		SAMPLE NO.	PPM	
	GOLD PPM	SILVER PPM		AG PPM	AS PPM
1 ) Rock	.06	.09	9	1.54	4.5
2 ) Rock	.07	1.0	10	.02	0.17
3 Soil	.04	0.5	11	.03	0.6
4 Rock	.03	1.7	12	INSUFFICIENT	
5 ) Soil	.40	1.5	13	.08	0.5
6 ) Soil	.02	0.6	14	7.80	TRACE
7 ) .102	3.4	2.9	15	.04	0.6
8	.04	6.1	16	.06	0.4
			17	.06	0.8

ASSAYER. \_\_\_\_\_



2/3

DATE. June 11/80

FILE NO. 80-029W

# ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.  
BOX 4518 WHITEHORSE Y. T.  
PHONE 667 2694 Y1A 2R8

SAMPLE RECEIVED FROM Dr BRANNIGAN

SAMPLE NO.	GOLD C/P.P.M.	SILVER C/P.P.M.	SAMPLE NO.	Au P.P.M.	Ag P.P.M.
18	1.10	1.0	27	1.13	0.5
19	.27	0.6	28	.14	0.8
20	.14	0.6	2-29	.02	0.5
21	.05	0.5	30	.63	0.6
22	1.95	1.0	31	.07	0.5
23	.06	0.4	32	.52	0.4
24	.18	0.5	33	.10	0.5
25	.02	0.5	34	.01	0.4
2-26	.03	0.4	35	6.5	11.5

ASSAYER.

[Signature]



3/3

DATE June 11 80

FILE NO. 80-02961

# ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.  
BOX 4518 WHITEHORSE Y.T.  
PHONE 667 2694 VIA 2R

SAMPLE RECEIVED FROM

DU BIANNIKAN

SAMPLE NO.	PPM					
	GOLD Oz./Ton	SILVER Oz./Ton				
2-30	.12	1.0				
37	.04	0.4				
38	.03	0.5				
39	<u>1.6</u>	TRACE				
40	.80	TRACE				
2-41	.02	0.4				
2-42	.04	0.4				

ASSAYER.

*[Signature]*

1000  
2000  
1000

