

TECHNATIONAL RESEARCH 29 MacDonald Road Whitehorse, Yukon Y1A 4L1

PRELIMINARY TESTING

OF

GOLD AND SILVER ORE

FOR

YUKON REVENUE MINES

Summary:

The majority of the gold in the Yukon Revenue ore tested by Technational Research is in an uncombined state.

The material was milled in a ball mill and concentrated over a shaker table to obtain a gold and silver concentrate.

Further testing should be done to reveal the feasibility of recovering the gold and silver in this ore.

Ore Sample Preparation:

Two samples of Yukon Revenue rock ore were tested:

B1 (our number: W1326) B2 (our number: W1361)

Sample Bl weighing 165 lbs. was crushed to approximately 95% minus 1/4" and ball-milled to approximately 40% to 50% minus 100 mesh.

The resulting ball-mill discharge was gravity-concentrated using a concentrating table, the concentrate dried, weighed and assayed.

Sample B2 weighing 163 lbs. was treated the same as sample B1.



Yukon Revenue Mines Preliminary Test

Gravity Concentrating:

Milling and tabling of both samples produced a distinct and clean separation of free gold contained within a black bead, approximately 1/2" wide containing iron, sulphides and pyrites.

Assaying:

Assay samples were cut from the minus 1/4" material using a Jones Riffle splitter.

Both concentrate and head samples were pulverized and screened to minus 100 mesh. Over-size material was further hand ground in a cast iron mortar and residual metallic material was then assayed and the minus 100 mesh ore pulp was done in duplicate. (Certificate of Analysis)

Assays of the head material (i.e. prior to tabling) showed the material to contain less than was actually recovered. (Table I) This was most likely caused by the "spotty" nature of the gold dissemination in the host rock. Future sampling procedures will minimize this problem.



Yukon Revenue Preliminary Test

TESTING RESULTS TABLE I

HEAD SAMPLE	EART D. CONC.			Angele and the second second	annual construction of the				
WEIGHT LBS	TABLE CONC WEIGHT GRAMS		CONC OZ/TON		S PER MPLE	TROY PER S	OZ AMPLE		SAMPLE OZ/TON
		Au	Ag	Au	Ag	Au	Ag	Au	Ag
B1 165	2827	19.87	55.85	1.93	5.41	0.062	0.174	0.75	2.10
B2 163	1287	11.27	38.87	0.50	1.72	0.016	0.055	0.20	0.68



Yukon Revenue Mines Preliminary Test

Follow-up Test Work Recommendations:

- 1. Refinery test of table concentrate to determine final gold recoverability.
- Screen analysis and assay of fractions on both table concentrate, table feed and table tails, to evaluate grind requirements.
- 3. Duplicate samples on concentrate (pulverize and assay individually.)

For the head assay, larger duplicate samples would be analyzed to eliminate, as much as possible, interference from "spotty" gold dissemination in the host rock.

W.S. HUNCHUK VICE-PRESIDENT

TECHNATIONAL RESEARCH



TECHNATIONAL RESEARCH CORPORATION

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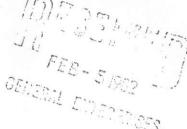
Tel: (604) 461-3724

29 MacDonald Road
 Porter Creek
 Whitehorse, Y.T. Y1A ¹L1
 Tel: (403) 633-4384

(CERTIFICATE OF ANALYSIS)

TO:

YUKON REVENUE MINES 117 INDUSTRIAL ROAD WHITEHORE, Y.T.



DATE: February 3, 1982

Sample Number	Gold	Silver	Platinum		
	oz/ton	oz/ton	oz/ton		
W1326 B1				8	
Head Sample Table Concentrate	0.49	7.31 55.85			-
W1361 B2					,
Head Sample Table Concentrate	0.12 11.27	1.58 38.87	÷		ė
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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.



TECHNATIONAL RESEARCH CORPORATION

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DATE February 3, 1982

INVOICE NO. Nº \$ 1580

SOLD TO:

YUKOH REVENUE MINES 117 INDUSTRIAL ROAD WHITHOREE, YUKOH

PARTICULARS	Troy Ounces	Amount
V1326 - B1 & V1361 - B2		
Charge for Assays	T STORY I COMMUNICATION OF THE STORY I COMMUN	15
(4 gold & silver metallic Fire Assays) 4 x \$50.00)		\$200.00
Charge for Milling		
(5 hours at \$75.00 per hour)		375.00
Charge for concentrating		*
(2 hours at \$100.00)		200.00
		\$775.00