

PROGRESS REPORT
ON
THE BOULDER CREEK TUNGSTEN
PROSPECT
ATLIN MINING DIVISION
104-N-11
BRITISH COLUMBIA
FOR
YUKON REVENUE MINES LTD.
WHITEHORSE, YUKON

BY
ALBERT F. REEVE, P.ENG.

JANUARY 30, 1980

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INTRODUCTION AND SUMMARY

In a previous report dated September 22, 1978, the writer recommended an exploration programme to be carried out by Yukon Revenue Mines Ltd. on its Boulder Creek mineral claims, located 16 miles by road Northeast of Atlin, B. C. (see Appendix III). The present report describes the progress of that work during 1979 and recommends further exploration in 1980. It is based on a review of exploration records provided by Yukon Revenue, and is written at the request of Mr. H. Fromme.

The claims held by Yukon Revenue at Boulder Creek cover about 3,000 acres on the mineralized contact of an alaskite granite stock which has well established geological potential for molybdenum, tungsten and tin "porphyry" zones within the alaskite intrusive as well as multi-metallic deposits in the adjacent meta-sediments, which additionally contain copper, zinc, fluorspar and silver.

Geological, geochemical and geophysical surveys completed by Yukon Revenue in 1979 have identified an extensive area of mineralization and alteration within which there are three targets which require investigation by trenching and drilling.

An exploration programme consisting principally of diamond drilling is recommended for 1980 at an estimated cost of \$250,000.

PROPERTY

Yukon Revenue Mines Ltd. reports that they are the beneficial owners of the following Mineral Claims.

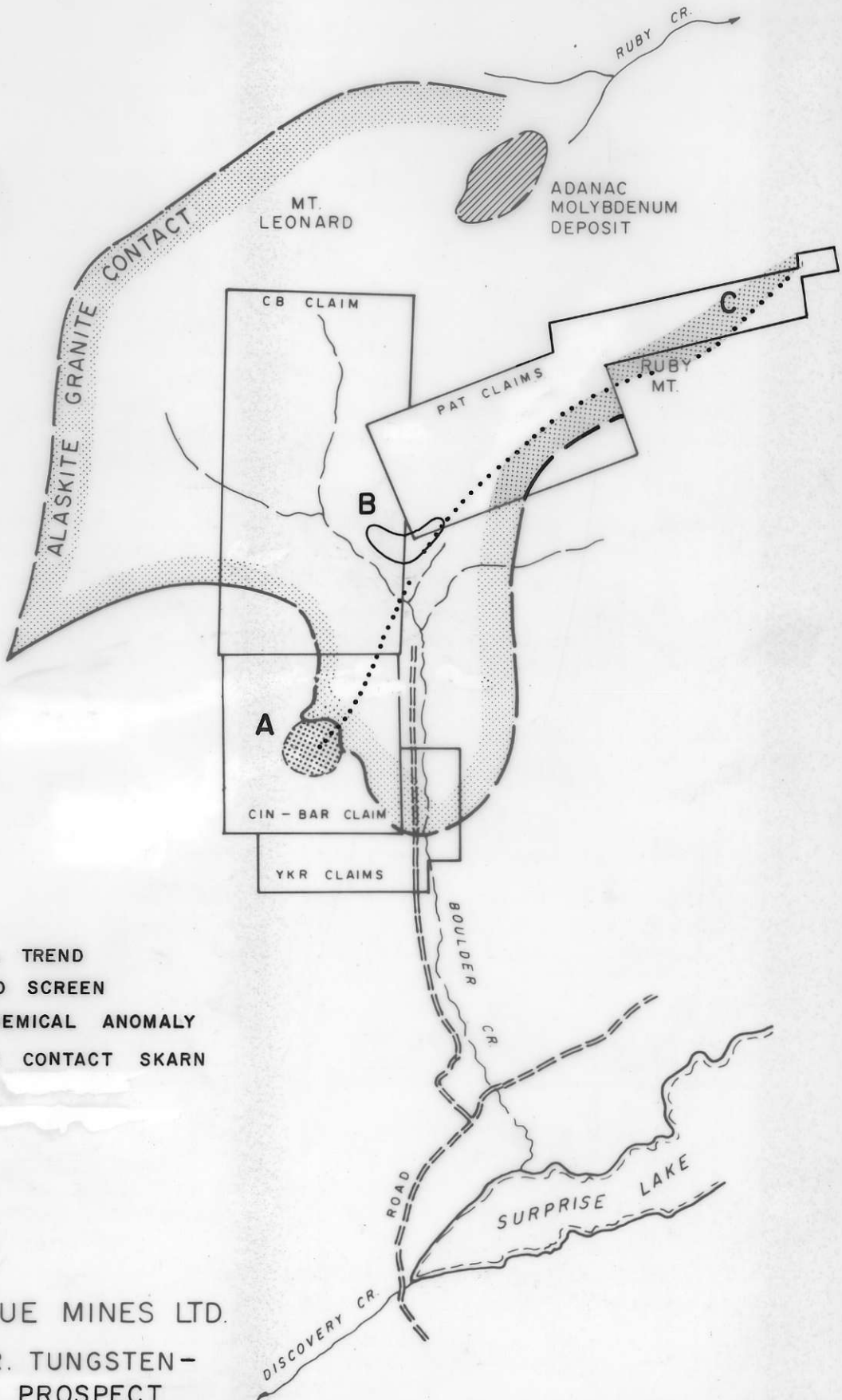
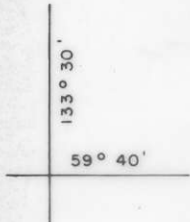
<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>NO. OF UNITS</u>	<u>ASSESSMENT ANNIVERSARY</u>	<u>REGISTERED OWNERS</u>
YKR 3	379	1		
YKR 4	380	1		Yukon Revenue
YKR 5	381	1	June 29, 1981	Mines Ltd.
YKR 6	382	1		
YKR 7	383	1		
PAT 1	309	1		
PAT 2	310	1		
PAT 3	311	1		
PAT 4	312	1	May 1, 1981	M.J. Cloutier
PAT 5	313	1		Whitehorse, Y.T.
PAT 6	314	1		
PAT 7	315	1		
PAT 8	316	1		
PAT 9	631	1		
PAT 10	632	1	Apr. 20, 1980	M.J. Cloutier
PAT 11	633	1		Whitehorse, Y.T.
PAT 12	634	1		
PAT 13 FR.	761	1	July 17, 1980	Yukon Revenue
PAT 14 FR.	760	1	July 26, 1980	Mines Ltd.
PAT 15 FR.	786	1	Aug. 31, 1980	
CB	294	18	March 14, 1981	Yukon Revenue
				Mines Ltd.
*Cin-Bar	216	9	June 13, 1981	-T.R. Mattson
				-A.V. Mattson
				Atlin, B. C.
				-P. Verslucé
				Whitehorse, Y.T.

This information was obtained by the writer from the Mining Recorder's office at Vancouver in January 1979. The legal corner posts of the CB and Cin-Bar Claims were examined in the field on September 2, 1978, and these claims appear to have been staked in compliance with the Mineral Act of British Columbia.

*The Cin-Bar Claim is held under option by Yukon Revenue from the registered owners.



SCALE = 1:50,000



LEGEND

- STRUCTURAL TREND
- A MINERALIZED SCREEN
- B I.P. - GEOCHEMICAL ANOMALY
- C MINERALIZED CONTACT SKARN

YUKON REVENUE MINES LTD.
 BOULDER CR. TUNGSTEN-
 MOLYBDENUM PROSPECT
 LOCATION DIAGRAM

To Accompany Report by
 A.F. REEVE, P. Eng., Jan. 31, 1980

RESULTS OF 1979 EXPLORATION

Five *induced polarization lines, covering an area about 4,000 ft. x 4,000 ft., were run across the mineralized and altered zone located on the central part of the Cin-Bar Claim (see Location Diagram). This survey produced highly irregular anomalous responses which could not be readily co-related from line to line. The widespread presence of massive and disseminated sulphides near the surface appear to have caused this type of anomalous response and have the effect of "masking" the detection of deeper sources. As a result, the prospect of finding a deeply buried zone of "porphyry" molybdenum-tungsten mineralization beneath the altered and mineralized screen of sediments, as cited in the previous report, is unresolved and must be tested by drilling on the basis of known geology.

Six shallow drill holes totalling 378 feet were bored into the mineralized target area in a trench on the Cin-Bar Claim. The core from these holes was examined by the writer in Whitehorse on November 24, 1979. It is reported by the Company that 5 mineralized sections in 2 drill holes yielded average assays as follows:

DDH NO.	FROM	TO	LENGTH	OZ/T Ag	% Cu	% Zn	% Pb	% WO ₃	% Sn	% F
2	8.5'	20.0'	11.5'	0.91	0.51	--	--	0.22	--	--
2	36.6'	45.1'	8.5'	--	--	--	--	0.19	--	--
2	51.5'	60.7'	9.2'	3.02	0.25	4.26	0.24	0.19	0.20	--
4	0.0'	27.5'	27.5'	1.05	0.58	--	--	0.33	--	16.0
4	62.0'	85.5'	23.5'	1.98	0.27	2.21	--	0.14	--	--

These results generally confirm the indications of previous surface sampling and shallow drilling, but the drill holes were not deep enough to make a significant test of the commercial potential.

An induced polarization anomaly on the southeastern part of the "CB" Claim, defined by a single reconnaissance

* I. P. Survey by P. E. Walcott & Associates Limited

line, is coincident with anomalous concentrations of molybdenum and tungsten in the soil. The anomalous response is continuous for about 1,000 feet along the I. P. line in a north-south direction and the soil anomaly has an east-west dimension of about 3,000 feet. It is estimated that about 1/3 of the soil anomaly occupies adjacent claims to the east, apparently held by Cominco. A bulldozer trench was excavated in the anomalous area exposing rusty, kaolinitic alaskite granite. The lateral extent of the source could be significantly larger than indicated by soil sampling; therefore, further I. P. work is required to outline the source area, followed by diamond drilling to test for "porphyry" mineralization.

A third target is located on the Northeast end of the Pat claims. A skarn bed up 40 feet in width, has been mapped along a strike for a length of 3,300 feet. It is mineralized with zinc, tungsten and silver. Trenching and surface sampling followed by diamond drilling, if warranted, is required to test the skarn bed.

Detailed mapping and sampling of the known gold and silver bearing veins such as the black diamond should also be undertaken. In general, the geochemical, geological, and geophysical data appears to suggest an arcuate Northeast trending structural zone which includes a series of skarn beds along the contact of the alaskite pluton, and screens of skarn within the intrusive mass. This structural trend passes through all of the target areas where further drilling and trenching is recommended and should be examined in greater geological detail during the course of the 1980 exploration programme.

RECOMMENDATIONS

It is recommended that the following exploration programme be carried out on the Boulder Creek mineral property of Yukon Revenue Mines Ltd. in 1980 as follows:

- A. Diamond drilling on the central "Cin-Bar" target area:

4 holes x 250'	1,000'
1 hole x 1,500'	1,500'

- B. Induced polarization survey on the southeast part of the "CB" Claim to fully outline the target area, followed by diamond drilling:

3 holes x 500'	1,500'
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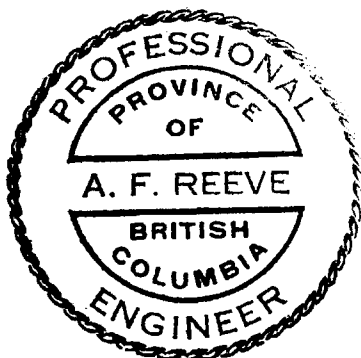
- C. Trenching and surface sampling along the contact skarn zone on the Pat Claims followed by diamond drilling:

6 holes x 250'	1,500'
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TOTAL RECOMMENDED DIAMOND DRILLING	5,500'
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- D. As the recommended work proceeds on specific target areas A, B, C; geological mapping detail should be increased using geochemical methods and surface sampling where necessary.

The estimated cost of this exploration programme is \$250,000.



A handwritten signature in black ink, appearing to read 'A. F. Reeve', written over a horizontal line.

Albert F. Reeve, P.Eng.

January 31, 1981

APPENDIX IREFERENCES

1. Maps Prepared by Yukon Revenue Mines Ltd.
 - (a) - Geology, 1:10,000 scale
 - (b) - Location of samples and concentrations of tungsten, tin and molybdenum in soil, 1:10,000 scale
 - (c) - Contoured interpretation of molybdenum in soils, 1:10,000 scale
 - (d) - Contoured interpretation of Tungsten and Tin in soils, 1:10,000 scale
 - (e) - Geological plan and cross section of drill holes located on the Cin-Bar Claim, 1:200 scale
2. Logs of Diamond drill holes numbered 1 to 6 by Yukon Revenue.
3. Record sheets for 600 soil samples analysed at the Whitehorse assay office for Tungsten Molybdenum and Tin.
4. Report on an induced polarization survey, Atlin area by Peter E. Walcott, P.Eng. - November 1979.

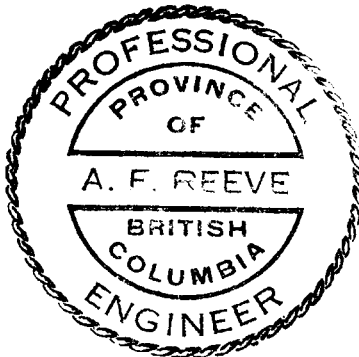


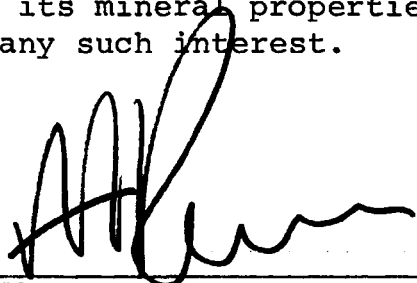
ALBERT F. REEVE LIMITED

CERTIFICATE

I, Albert F. Reeve of #18 - 4957 Marine Drive, West Vancouver, British Columbia do hereby certify that:

1. I am a geologist employed by Albert F. Reeve Limited of Vancouver, British Columbia and practiced as a mineral exploration geologist for the past 18 years.
2. I graduated from Michigan Technological University, Houghton, Michigan in 1961, with a Bachelor of Science degree in Geological Engineering.
3. I am a member in good standing of the Association of Professional Engineers of British Columbia.
4. I have no direct or indirect interest whatsoever in Yukon Revenue Mines Ltd. or its mineral properties nor do I expect to receive any such interest.




Albert F. Reeve, P.Eng.

Vancouver, B. C.
January 31, 1980

APPENDIX III

Report on the Boulder Creek Tungsten Prospect
Atlin Mining Division, British Columbia

by

Albert F. Reeve, P.Eng.

September 22, 1978