LAND 52-160

ASSESSMENT REPORTS

MAP No. 105-B-6 TYPE OF WORK: Geological and Geochemical

REPORT FILED UNDER	A. C. Ogilvie
DATE PERFORMED	July & Aug 1970 DATE FILED: 5 Jan 71
LOCATION — LAT.	62° 24' N Almost Lake - Wolf Lake Area, Y.T.
LONG.	131° 06' W
CLAIM Nos.	WOLF 1 - 8
WORK DONE BY	A. C. Ogilvy
WORK DONE FOR	A. C. Ogilvy
REMARKS	This geochem and geological survey located scheelite - chalcopyrite galena, sphalerite skarn in gossan covered cryptalline limestone (Cambrian?). Tungsten geochem found ineffective as prospecting technique.
	$2880.30

Geological and Geochemical Report

WOLF 1-8 MC's

Almost Lake -- Wolf Lake area

Watson Lake M.D., Yukon

105 B 6 (60° 24' N, 131° 06' W)

by

A. C. Ogilvy, P.Eng.

Work done Aug. 21 to Oct. 21, 1971

December 30, 1971

This report has been examined by the Geological [illegible] and is recommended to be considered as representation work in the amount of $2880.30

[illegible signature]

[illegible] work under Section [illegible] Yukon Quartz Mining Act.

[illegible signature]

Commissioner of Yukon Territory

CANADA)
TO WIT:)

I, A. C. Ogilvy of 77 Teslin Road, Whitehorse, Yukon do solemnly declare that expenditures in excess of $2400.00 were made in the course of preparing the enclosed report entitled "Geological and Geochemical Report WOLF 1-8 M.C.'s Almost Lake--Wolf Lake area Watson Lake M.D., Yukon 105-B-6 (60°24'N, 131°06'W)" as follows:

August 21-26, 1971

Tintina Air	Cheque#139	$ 248.50	
Jet Air	" #149	266.00	
			$ 514.50
Labor			
J. Stockwell, B.Sc., Geologist			
6 days @ $80.00		$ 480.00	
S. Leggatt, Axeman			
6 days @ $50.00		300.00	
			$ 780.00
Camp -- 12 days @ $15.00			$ 180.00
Geochem (Bondar-Clegg)			
	Cheque#138	$ 62.10	
	" #180	488.70	
	" #205	91.00	
			$ 641.80
Assays (Whitehorse Assay Office)			
	Cheque#203		$ 80.00

September 23, 1971

Jet Air	Cheque#202	$ 234.00

Supervision --- A. C. Ogilvy

Aug. 21: 1 day @ 150.00	$ 150.00	
Dec. 1 & 2: 2 days in office preparing report	300.00	
		$ 450.00
		$ 2880.30

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

Declared before me at Whitehorse)
in the Yukon Territory this)
31 day of December 1971)

Notary Public

A. C. Ogilvy

TABLE OF CONTENTS

APPENDIX

ILLUSTRATIONS

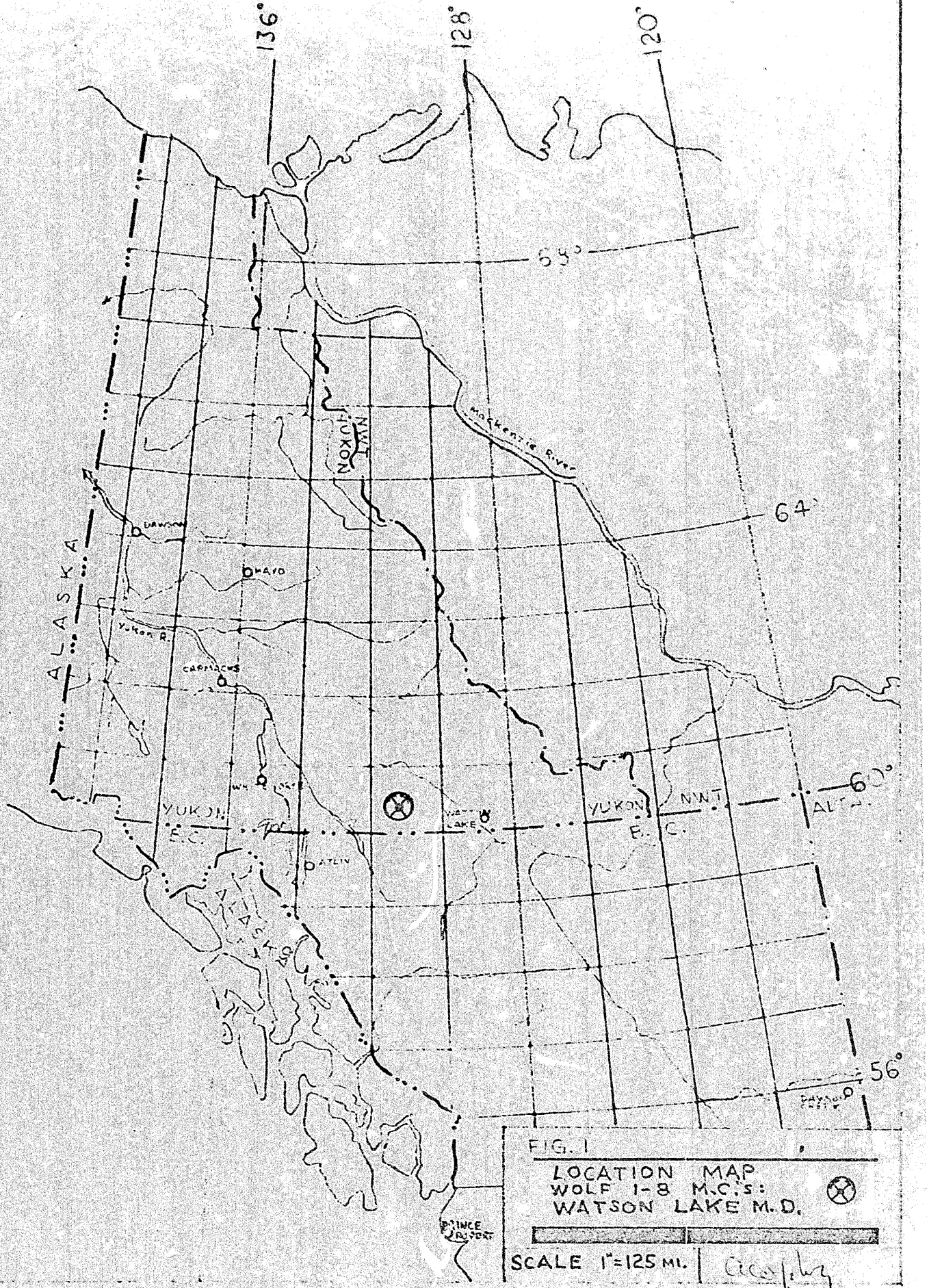


FIG. 1

LOCATION MAP
WOLF 1-8 M.C.s:
WATSON LAKE M.D.

SCALE 1"=125 MI.

WOLF 1-8 Tungsten Prospect (NTS 105 B 6)

1. Introduction

This deposit came to my attention several years ago and was rejected as having little tonnage potential. On reconsideration, I decided that the deposit merited a second look. Three visits were made. In late July I spent 4 days prospecting in the area but was unable to relocate the showing, although the area was narrowed down, and 8 claims were staked. In August a 2-man party carried out a geological and geochemical (soil sampling) survey, and succeeded in locating the showing. In September, I again visited the showing with Mr. A. Boerner of Aquitaine. Adverse flying weather allowed only a few minutes on the ground.

2. General

The deposit is located at 60° 24' N, 131° 06'W elevation 3800 ft. It lies 2000 ft S 20° W from the south corner of Almost Lake, a 1-mi long lake in the valley of Meister River. Almost Lake is accessible by Beaver aircraft, and lies 140 mi ESE of Whitehorse and 82 mi WNW of Watson Lake.

Physiographically, the deposit lies within the northern Cassiar Mountains of the Central Plateau and Mountain Area of the Interior System, Cordilleran Region. The area was glaciated with Wisconsin ice moving easterly to a height of at least 6 to 7000 ft, the elevation of nearby mountains. Notwithstanding the 4 mi topo map (Wolf Lake 105 B) the area is treed above the flood plain of Meister River. Outcrop is largely restricted to transverse gullies at the crest of the 50-ft wall of Meister River valley.

3. Claims

Eight claims (WOLF 1-8) were staked July 30 and 31 and recorded in Watson Lake on Aug. 10, 1971. Grant Nos. are Y64030-37. Sufficient work has been done to keep the claims in good standing until Nov. 10, 1975.

4. Geology

The deposit lies at the northeast contact of the Cassiar batholith (biotite quartz-monzonite and granodiorite) which intrudes metamorphosed sediments (biotite schist, quartzite, limestone) of upper Proterozoic (?) and lower Cambrian age. The deposit outcrops in limestone in the east wall of a shallow north-trending linear depression which forms a local (fault?) contact with granitic rocks.

5. Geochemistry

Initially 23 soil and silt samples were taken and analysed for tungsten. Eleven returned values of 3 to 15 ppm (mean and mode 10).

A second set of 8 silts and 175 soils were taken. 150 soils were taken at 200 ft centers on lines 200 and 400 ft apart, and 25 samples were taken at 20 ft centers in the vicinity of the showing. Results were disappointing. Of the 8 silts, tungsten was detected in only one (3 ppm near the showing.) Tungsten was detected in only 12 of the regular soils (3 to 10 ppm). In the detailed grid, one sample (obtained from directly over the deposit) yielded 2500 ppm, one gave 15 ppm and 3 gave 5 ppm, the rest blank.

Thus 11/23 of the first set and 13/183 of the second set were positive. Sampling and assay (-80 mesh) procedures were the same.

Since tungsten minerals are resistant, 28 samples were re-submitted for grinding of the entire sample in case the tungsten had previously been retained in the +80-mesh fraction. Of these, 9 had previously yielded positive results, and 19 were taken from the vicinity of positive samples. Upon reassay, the 2500 ppm assay was confirmed, 5 ppm returned 30 ppm, and the other 16

(including 6 positives) yielded no tungsten.

It was concluded that no advantage would be gained in pulverizing the remaining samples for re-assay, and that grid-soil sampling is not an effective means of detecting or outlining tungsten deposits.

6. Tungsten Deposit

The showing consists of a gossan poorly exposed over about 6 ft in the east wall of a north-south gully. Mineralization appears to be confined to a 4.5' zone bounded to the north and south by crystalline limestone, and consists of scheelite and sulfides (highly oxidized to limonite but including chalcopyrite, galena, sphalerite and iron sulfides) and quartz-carbonate. (calcite, siderite) vein material. Structure is not certain, but the vein may strike 130°/75° NE, giving a true width of 3.5 ft.

Three chip channel samples (Nos. 1488-1490), several pounds of high-grade scheelite (No. 1491) and representative pieces of sulfide material (No. 1492) were taken for tungsten assay. The chip channel samples consist largely of gossan material. Three of the samples were submitted for 32-element spectrographic analysis.

Sample	Type	Length	$\%WO_3$	%Cu*	%Pb*	%Zn*	Ag* oz
1488	chip-channel(N)	1.0'	0.66	.1 to .5	-	-	<3 oz
1489	" "(center)	1.5'	0.065	-	-	-	
1490	" " (S)	2.0'	0.265				
1491			6.31	<.1	Tr	-	<3 oz
1492			.01	0.2-1	2-10%	.1%	<3 oz

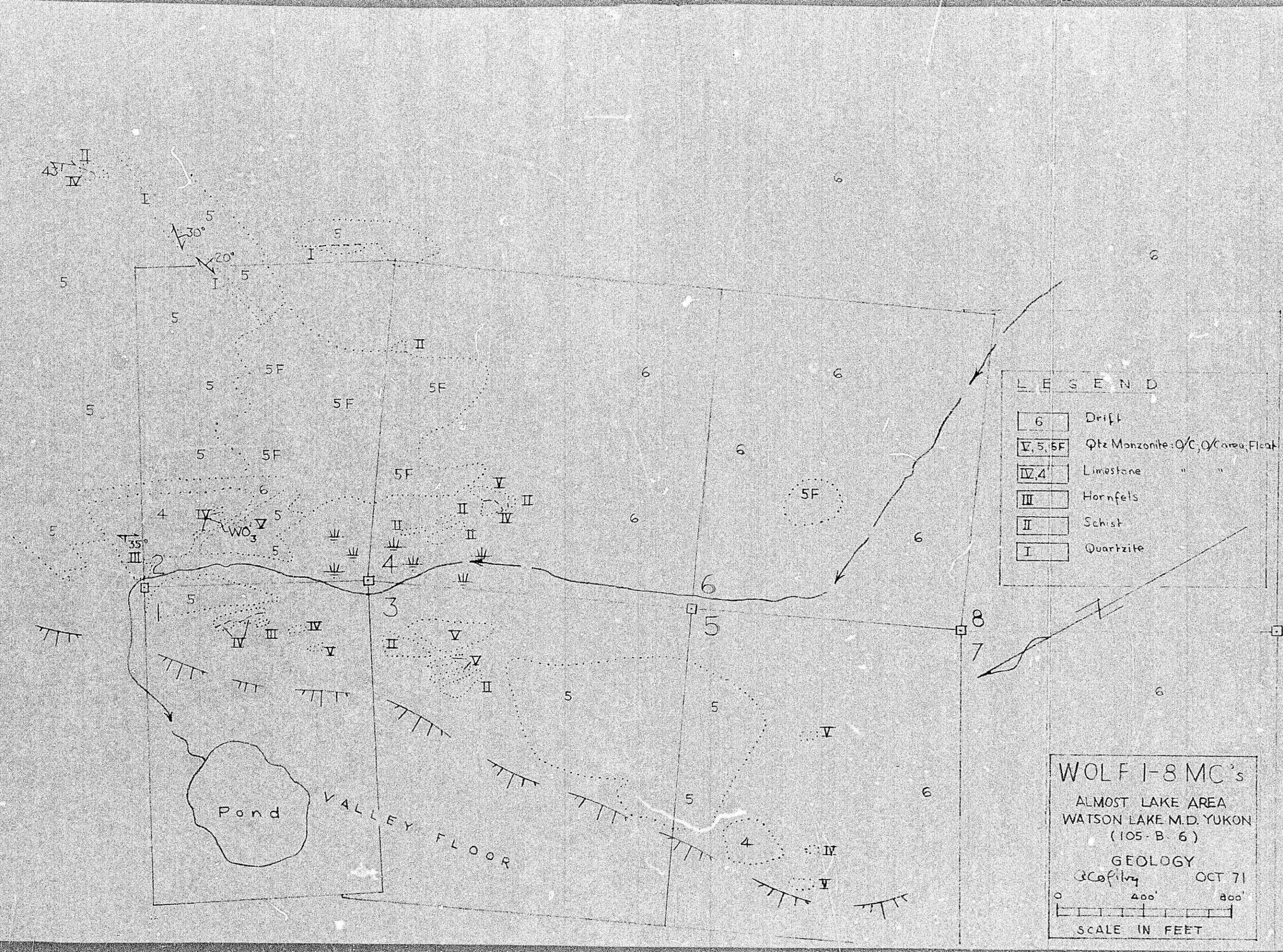
* Interpreted from spectrographic report, attached.

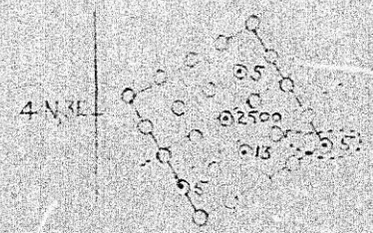
7. Recommendations

The prospect requires further work. The showing should be freshened up by blasting, re-sampled, and its strike and width ascertained. The adjacent gullies should be further prospected with pick and powder.

A. C. Ogilvy, P.Eng.

December 30, 1971


LEGEND
6 Drift
V, 5, 5F Qtz Monzonite: O/C, O/Conea, Float
IV, 4 Limestone " "
III Hornfels
II Schist
I Quartzite
WOLF 1-8 MC's
ALMOST LAKE AREA
WATSON LAKE M.D. YUKON
(105-B-6)
GEOLOGY
OCT 71
0 400' 800'
SCALE IN FEET
Pond
VALLEY FLOOR
WO3
43°
30°
20°
35°



14 N
8 N
0 N
8 S
16 S
20 S

TUNGSTEN SHOWING
See inset, above

BASELINE

Pond

1 2 3 4 5 6 7 8

Notes re Soil Samples

- 0 — Tungsten not detected
- 0 15 — 15 ppm tungsten (-80 mesh)
- ⊠ 10 (5) — 10 ppm tungsten (-80 mesh), 5 ppm (re-assay crushed sample)
- ⊠ 10 — re-assay : W not detected
- ● — Silt sample

WOLF 1-8 MC's

ALMOST LAKE AREA
WATSON LAKE M.D., YUKON
(105 B 6)

TUNGSTEN GEOCHEM SURVEY
OCT '71

0 400 800
SCALE IN FEET

DATE October 7,1971.

FILE NO. 7034-11

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE

P.O. BOX 346. WHITEHORSE. YUKON

RECEIVED FROM Mr. A.C. Ogilvy

RE: WOLF

SAMPLE NO.	~~GOLD~~ OZ. PER TON	~~SILVER~~ OZ. PER TON	Tungsten WO_3	Spectro
			.66	
1488			.36	*
1489			.065	*
1490			.265	*
1491			6.31	*
1492			.01	*

#'s 1488, 1491, & 1492 sent out for Spectrographic Analysis Oct.5/71.

Expect results in approx. two-three weeks.

ASSAYER Geo. Spalding

DATE October 8,1971.

FILE NO. 7034-11

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE

P.O. BOX 346. WHITEHORSE. YUKON

RECEIVED FROM ~~XXXXXXXXXXXX~~ Mr. A.C. Ogilvy

SAMPLE NO.	~~GOLD~~ OZ. PER TON	~~SILVER~~ OZ. PER TON	Tungsten WO_3
CORRECTION NOTICE			
1488			.66

ASSAYER K. Hoyland for G. Spalding

COMPLETE ANALYSIS AND ASSAYING
FLUORIMETRIC URANIUM

ACCTLC

CHEMICAL - SPECTROGRAPHIC - MICROSCOPIC

WM. GERRIE, M.A.
D. KERR-LAWSON, B.A., PH.D.

CORRELATION
LABORATORIES LTD.

M. E. WELLER, B.A.
H. E. WELLER

R.R. 6 COBDEN, ONTARIO PHONE 646-7448 (AREA 613)

CERTIFICATE OF ANALYSIS No.10634 Oct. 21, 1971.

We have analysed spectrographicly 3 samples of pulp
Received Oct. 12 and submitted by Whitehorse Assay Office
with the following results:

CODE:
1. Tr. Less than .01%
2. .005 to .03%
3. .01 to .05%
4. .02 to .1%
5. .05 to .3%
6. .1 to .5%
7. .2 to 1%
8. .5 to 3%
9. 1 to 5%
10. 2 to 10%
11. 5 to 30%
12. Over 10%

All listed elements were sought, blank spaces designate "not detected."

Mr. A. C. Ogilvy
our # 7034-11

	#1488 71-29	#1492 71-30	#1491 71-31
Antimony		8	
Arsenic		8	
Barium			
Beryllium			
Bismuth			
Boron			
Cadmium			
Chromium			
Cobalt	1		
Copper	6	7	4
Gallium		1	
Germanium			
Indium			
Lead		10	1
Iron	11	10	10
Lithium			
Manganese	3	6	5
Mercury			
Molybdenum			
Nickel	2		
Niobium			
Rare Earths			
Yttrium			
Lanthanum			
Silver	1	1 +	1
Thorium			
Tin		2	
Titanium			
Tungsten	7		9
Uranium			
Vanadium			
Zinc		7	
Zirconium			

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PHONE 988-5315

GEOCHEMICAL LAB REPORT

No: 41-99

Extraction: Basic Fusion
From: A. C. Ogilvy (Re Wolf)
Method: Colorimetric
Date: August 16, 1971
Fraction Used: -80 Mesh
Analyst: E.C.

SAMPLE NO.	W ppm							REMARKS
5521	ND							Note: ND Means Non
5522	10							Detected
5523	5							
5524	ND							
5525	13							
5526	ND							
5527	ND							
5528	ND							
5529	10							
5530	10							
5531	10							
5532	5							
5533	ND							
5534	ND							
5535	ND							
5536	3							
5537	15							
5538	10							
5539	10							
5540	ND							
5561	ND							
5562	ND							
5563	ND							

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5521	ND							Note: ND Means Non
5522	10							Detected
5523	5							
5524	ND							
5525	13							
5526	ND							
5527	ND							
5528	ND							
5529	10							
5530	10							
5531	10							
5532	5							
5533	ND							
5534	ND							
5535	ND							
5536	3							
5537	15							
5538	10							
5539	10							
5540	ND							
5561	ND							
5562	ND							
5563	ND							

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DATE REC'D Sept. 9, 1971 Whse 41-140

GEOCHEMICAL LAB REPORT

No: 21-733

Extraction: W. Basic Fusion
Method: W. Colorimetric
Fraction Used: As Received (-80 mesh)

From: A.C. Ogilvy re Wolf
Date: Completed Sept. 14 19 71
Analyst: K.B.

SAMPLE NO.	W ppm	SAMPLE NO.	W ppm	SAMPLE NO.	W ppm	REMARKS
SILT #1	ND	5024	ND	5068	ND	
2	ND	5025	ND	5069	ND	
3	ND	5027	ND	5070	ND	
4	ND	5028	ND	5071	ND	
5	3	5033	ND	5072	ND	
6	ND	5034	ND	5073	ND	
7	ND	5035	ND	5074	ND	
8	ND	5036	ND	5075	ND	
5001	5	5037	3	5076	ND	
5002	ND	5038	ND	5077	ND	
5003	5	5039	ND	5078	ND	
5004	ND	5040	ND	5079	ND	
5005	ND	5041	10	5080	ND	
5006	ND	5042	ND	5081	ND	
5007	ND	5043	ND	5082	ND	
5008	ND	5044	ND	5083	5	
5009	ND	5045	ND	5084	ND	
5010	ND	5046	ND	5085	ND	
5011	ND	5047	ND	5086	ND	
5012	ND	5048	ND	5087	ND	
5013	N.S.	5049	ND	5088	ND	
5014	3	5050	ND	5089	ND	
5015	ND	5051	ND	5090	ND	
5016	ND	5052	ND	5091	ND	
5017	ND	5053	ND	5092	ND	
5018	ND	5054	ND	5093	ND	
5019	ND	5055	ND	5094	ND	
5020	ND	5056	ND	5095	ND	
5021	ND	5057	ND	5100	ND	
5022	ND	5066	N.S.	5101	3	

Wlse 41-140
Report No. 21-733

BONDAR-CLEGG & COMPANY LTD.

GEOCHEMICAL LAB REPORT

SAMPLE NO.	W ppm	SAMPLE NO	W ppm	SAMPLE NO	W ppm	REMARKS
5103	10	5154	ND	5200	ND	
5104	ND	5155	ND	5201	ND	
5105	ND	5156	ND	5202	ND	
5106	ND	5157	3	5203	ND	
5107	ND	5158	ND	5204	ND	
5108	ND	5159	ND	5205	5	
5109	ND	5170	ND	5205 A	ND	
5110	ND	5171	ND	5206	ND	
5112	ND	5172	ND	5207	ND	
5113	ND	5173	ND	5208	ND	
5114	ND	5174	ND	5209	ND	
5115	ND	5175	ND	5210	ND	
5116	ND	5176	ND	5211	ND	
5117	ND	5177	ND	5212	ND	
5118	ND	5178	ND	5213	ND	
5119	ND	5179	10	5214	ND	
5120	ND	5180	ND	5215	ND	
5121	ND	5181	ND	5216	ND	
5122	ND	5182	ND			
5137	5	5183	ND			
5138	ND	5184	5	* All samples were ashed @ 750° for 5 hrs		
5139	ND	5185	ND			
5140	ND	5186	ND			
5141	ND	5187	ND			
5142	ND	5188	ND			
5143	ND	5189	ND			
5144	ND	5190	ND			
5145	ND	5191	ND			
5146	ND	5192	ND			
5147	ND	5193	2500			
5148	ND	5194	15			
5149	ND	5195	ND			
5150	ND	5196	ND			
5151	ND	5197	5			
5152	ND	5198	ND			
5152	ND	5199	ND			

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PHONE 988-5315

DATE REC'D Oct. 12, 1971

GEOCHEMICAL LAB REPORT

No: 21-845

Project: 41-157

Extraction: W Basic Fusion
Method: W Colorimetric
Fraction Used: As Received (Entire Sample)

From: A.C. Ogilvy Wolf
Date: Completed Oct. 20 19 7
Analyst: K.B.

SAMPLE NO.	W ppm								REMARKS
5001	ND								
5002	ND								
5003	ND								
5004	ND								
5020	ND								
5040	ND								
5041	ND								
5042	ND								
5053	ND								
5070	ND								
5100	ND								
5101	ND								
5102	ND								
5103	5								
5121	ND								
5122	ND								
5153	ND								
5156	ND								
5157	ND								
5178	ND								
5179	ND								
5180	ND								
5182	ND								
5187	ND								
5192	ND								
5193	2500								
5197	30								
5202	ND								