

ASSESSMENT REPORT

ON

TOM 147-183 (YA45447-483)

63°08'N, 130°06'W

TRENCHING PROGRAM

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

SEPTEMBER 1983

G. BIDWELL

NOVEMBER 1983



091496

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1. INTRODUCTION:

The TOM Claims - South Group (147-183) were staked in August 1979 by Hudson Bay Exploration and Development Company Limited. The claims were investigated during 1980 by reconnaissance geological mapping and a small soil sampling grid was established in an overburden area TOM 167-170. In 1981 a second grid was located in the same general area and a magnetic survey along with additional soil sampling was done. Follow-up bulldozer trenching on a magnetic anomaly and rock geochemistry was undertaken later in 1981. The results of this work have previously been filed for assessment on the claims.

In 1983 additional bulldozer trenching was carried out in the vicinity of the old trench and is the subject of this assessment report. The results were compiled at the Whitehorse office of Hudson Bay Exploration and Development Company Limited

2. LOCATION AND ACCESS:

The Tom claims (147-183) are located in the Watson Lake Mining District near Macmillan Pass on claim map 105/0/1 approximately centered at $63^{\circ}08'N$, $130^{\circ}06'W$.

The claims are accessible by helicopter from the Macmillan Pass airstrip which is 5 miles north west of the claims. The airstrip is located along the North Canal Road approximately 140 miles north of Ross River, Y. T. A road suitable for only caterpillar travel has been located to the property from the mine site of the Tom Valley Project 2 miles north of the claims.

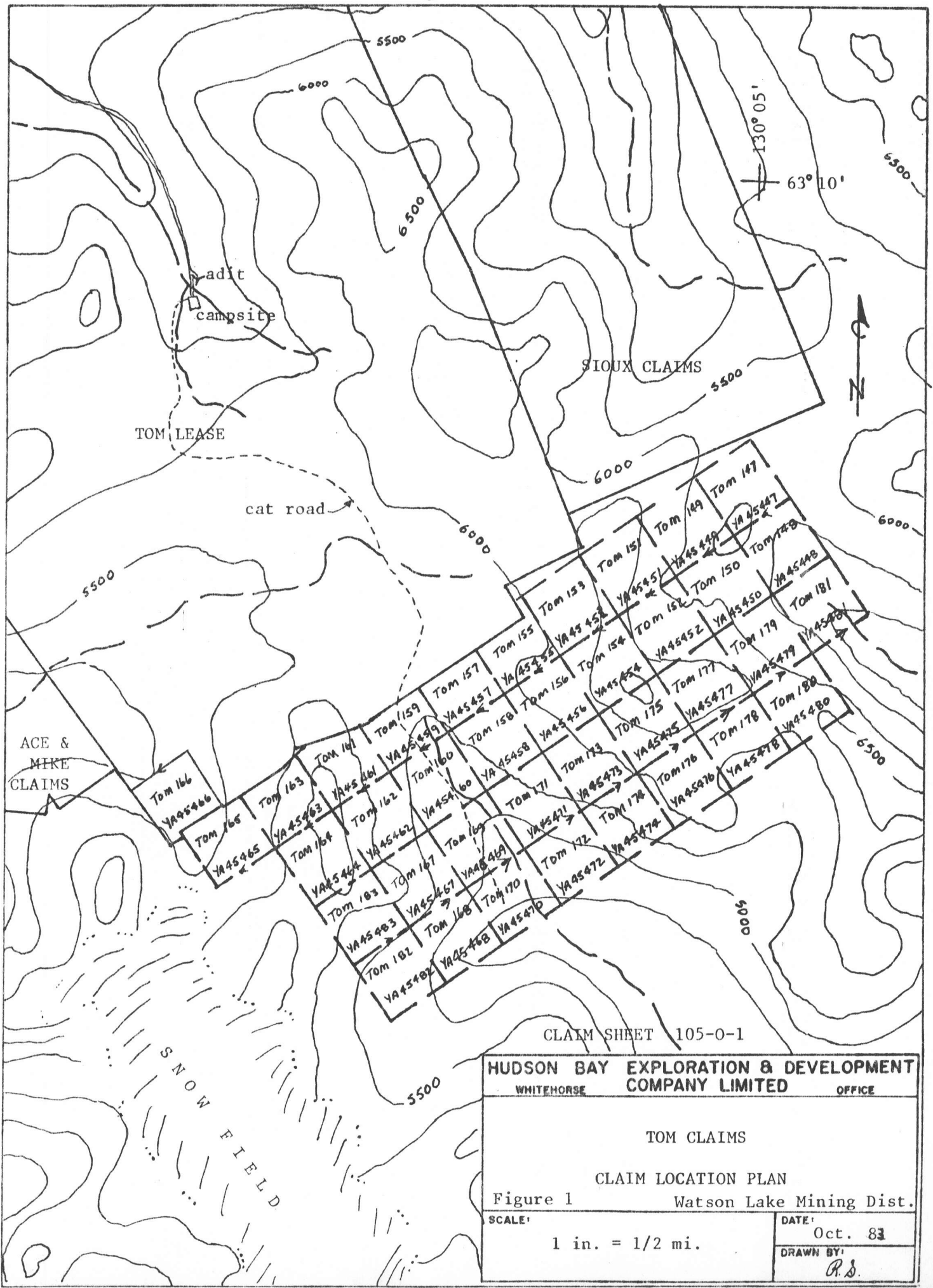
See figure 1.

3. PERSONNEL: Supervisor - Gerald Bidwell
Cat Operator - Michael Murtagh

4. CLAIM OWNERSHIP:

This exploration report covers the claims Tom 147-183 (YA 45447 - YA 45483) indicated on figure 1. The claims total 37, all are wholly owned by Hudson Bay Exploration and Development Company Limited of 100-10 Burns Rd., Whitehorse, Yukon Territory. Y1A 4Y9.

The exploration was carried out in September 1983.



HUDSON BAY EXPLORATION & DEVELOPMENT WHITEHORSE COMPANY LIMITED OFFICE	
TOM CLAIMS CLAIM LOCATION PLAN Figure 1 Watson Lake Mining Dist.	
SCALE: 1 in. = 1/2 mi.	DATE: Oct. 83 DRAWN BY: <i>R.S.</i>

5. TRENCHING:

The 1981 trenching had failed to reach bedrock due to a shortage of time and poor weather conditions. The purpose of the 1983 program was to deepen and/or extend the old trench and to test other locations along the apparent Unit 3a/3b contact.

Trench T-1 is located in the area of the previous stripping and trenching (see Fig. 4). The new work deepened a section 67 metres long by an average of 2.8 metres. Bedrock was still not attained and permafrost prevented further progress. Soil samples were taken at 5 metre intervals along the length and analyzed for lead, zinc and barium by the Whitehorse office of Bondar-Clegg & Company Limited. The results are plotted on the accompanying sketch Fig. 2. The total volume of material removed in T-1 was 938 cubic metres.

Trench T-2 is located 150 metres along the apparent strike. Again bedrock was not reached due to permafrost. The trench was sampled at 10 metre intervals and analyzed as in T-1. The total volume of material removed in T-2 was 697 cubic metres.

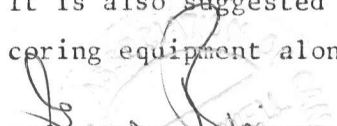
6. CONCLUSIONS AND RECOMMENDATIONS:

The results of the trench sampling indicate consistent values for all three elements with no obvious anomalies. The lead and barium values in Trench T-1 are slightly higher than those in T-2 but this may be only a function of the relative depth of the trenches.

<u>ELEMENT</u>	<u>NO. SAMPLES</u>	<u>LOW*</u>	<u>HIGH*</u>	<u>MEAN*</u>
Lead	21	14	38	27
Zinc	21	23	70	46
Barium	21	1440	2170	1807

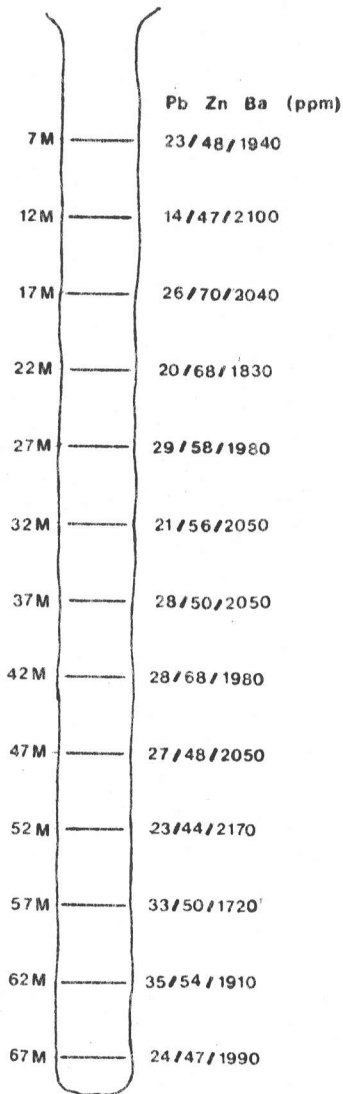
* values reported in parts per million (ppm)

It is recommended to continue the trenching and attempt to reach bedrock. It is also suggested to carry out overburden sampling using permafrost coring equipment along the favourable geological contact.


G. Bidwell,

District Manager

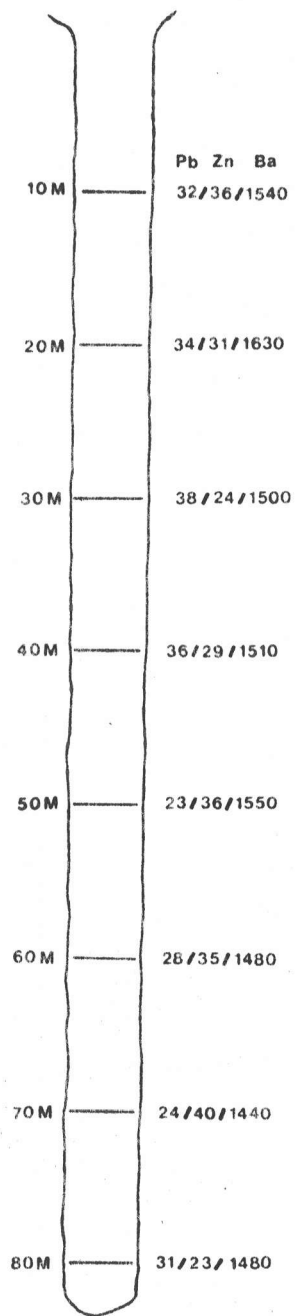
Hudson Bay Exploration and Development Company Limited.



1520

VOLUME OF TRENCH = 67 m x 5m x 2.8m
= 938m x 1.3
= 1219 yds.

HUDSON BAY EXPLORATION & DEVELOPMENT	
WHITEHORSE	COMPANY LIMITED
OFFICE	
FIGURE 2	
TOM CLAIMS (SOUTH GROUP)	
TRENCH T-1	
SCALE:	DATE:
1:500	Nov. 1983
	DRAWN BY:



VOLUME OF TRENCH = 82m x 5m x 1.7m
= 697 m x 1.3
= 906 yds.

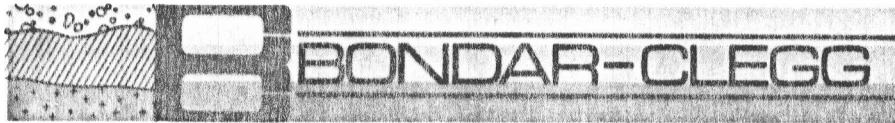
HUDSON BAY EXPLORATION & DEVELOPMENT	
WHITEHORSE	COMPANY LIMITED OFFICE
FIGURE 3	
TOM CLAIMS (SOUTH GROUP)	
TRENCH T-2	
SCALE:	DATE:
1:500	Nov. 1983
	DRAWN BY:

APPENDIX I

REVIEW OF EXPENDITURES - 1983

TOM CLAIMS (SOUTH GROUP)

SALARY: G. BIDWELL - supervisor and report preparation	\$ 500.00
2½ days x \$200/day	
TRENCHING: Trench T-1 = 1219 yds.	
T-2 = 906 yds.	
2125 yds. x \$1.00/yd.	2125.00
ASSAYING: 21 samples x \$9.60/sample	<u>201.60</u>
Total -	\$ 2826.60



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PAGE 4.1

CLIENT: HILSON BAY EXPLORATION

REPORT NUMBER: G43-140

NUMBER OF SAMPLES: 294

PRIORITY: P

DATE: NOVEMBER 07, 1983

SEE APPENDIX FOR EXPLANATION OF DIGESTION, ANALYSIS, SAMPLE TYPE, AND SIEVE SIZE CODES.

NO /	SAMPLE NUMBER / T/S	PB/A1 PPM	ZN/A1 PPM	BA/6 PPM
1	T-1 7M R A	23	48	1940
2	T-1 12M R A	14	47	2100
3	T-1 17M R A	16	70	2040
4	T-1 22M R A	20	68	1830
5	T-1 27M R A	29	58	1980
6	T-1 32M R A	21	56	2050
7	T-1 37M R A	28	50	2050
8	T-1 42M R A	28	68	1980
9	T-1 47M R A	27	48	2050
10	T-1 52M R A	23	44	2170
11	T-1 57M R A	33	50	1720
12	T-1 62M R A	35	54	1910
13	T-1 67M R A	24	47	1990
14	T-2 10M R A	32	36	1540
15	T-2 20M R A	34	31	1630
16	T-2 30M R A	38	24	1500
17	T-2 40M R A	36	29	1510
18	T-2 50M R A	28	36	1550
19	T-2 60M R A	26	33	1480
20	T-2 70M R A	24	40	1440
21	T-2 80M R A	31	23	1480
22	T867 13.2-173.2 R A	3750	620000	19000
23	T867 19.4-115.0 R A	128	140	6430
24	T867 13.0-20.0 R A	90	23	6030
25	T867 20.0-22.7 R A	49	80	5550
26	T867 22.7-28.3 R A	216	27	2180
27	T867 28.3-30.0 R A	62	9	6380
28	T867 30.0-33.5 R A	101	13	6120
29	T867 33.5-37.5 R A	91	56	3300
30	T867 37.5-43.0 R A	79	31	9240
31	T867 47.0-50.0 R A	95	23	10200
32	T867 50.0-55.0 R A	83	38	10300
33	T867 55.0-60.0 R A	55	39	9420
34	T867 60.0-65.0 R A	32	90	18080
35	T867 65.0-68.6 R A	22	150	020000

APPENDIX II

GERALD E. BIDWELL

ADDRESS: 62 Klondike Road,
Whitehorse, Yukon Territory.
Y1A 3M1

EDUCATION: B. A. (Geology)
University of Saskatchewan, 1967.

EMPLOYMENT: 1967-1983 - Hudson Bay Exploration & Development Co. Ltd.

1967-70 - mine geology, surface exploration,
Snow Lake, Manitoba.

1970-76 - Supervisor of exploration programs,
B. C. and Yukon

1976-83 - District Manager, Whitehorse, Y. T.



HUDSON BAY EXPLORATION & DEVELOPMENT COMPANY LIMITED

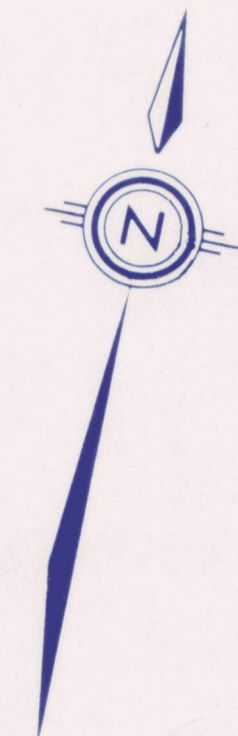
TOM CLAIMS - SOUTH GROUP

Scale 1:1,000

November, 1983

- Unit 3b - Carbonaceous argillite
- Unit 3a - Silt-banded argillite
- Unit 2 - Chert pebble conglomerate

-  Bedding
-  F1 foliation



TOM
169
TOM
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