

1729

GRISWOLD CREEK COPPER PROSPECT

REPORT  
ON

GEOCHEMICAL SURVEY JULY 22/68 to AUG 30/68

R.H. CLAIM GROUPS I & II

OWNER

AMERICAN SMELTING & REFINING CO.

Located 73 miles west of Clinton, B.C.  
at the junction of Griswold Creek  
and the  
Upper Taseko River  
Clinton Mining Division

$51^{\circ}-12\frac{3}{4}^{\circ}$  SW

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D.H. Olson, P.E., B.C.

December 1968

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GEOCHEMICAL SURVEY REPORT  
ON  
R. H. GROUP

INTRODUCTION

The claim group discussed in this report is located on the Upper Taseko River in Central British Columbia, approximately 73 miles west of the village of Clinton.

To explore the claim group, soil samples were collected and from these samples determinations were made for copper, molybdenum and in selected samples for lead and mercury. This survey was carried out during the latter part of July and the latter part of August 1968, by American Smelting and Refining Company under the direction and supervision of D.H. Olson, P.E., British Columbia.

LOCATION AND ACCESS

Mineral claims covering the prospect area are located in the valley and on the east and west mountain flanks bordering the Taseko River, Upper Taseko River and Griswold Creek. Elevations within the claim group vary from 5500' to 7500' above sea level.

The area is wooded and for the most part extensively covered with a thick mantle of glacial till in which soils are poorly developed.

At the time when the geochemical work was undertaken, access was by means of fixed wing aircraft to the south end of Upper Taseko Lake and/or by helicopter to the claim group. In August, a private road was completed from Whitewater Lodge at the north end of Lower Taseko Lake, via Beece Creek, and Taseko Mountain to the south end of Upper Taseko Lake, thence along Taseko River to Battlement Creek. From Battlement Creek to the claim group, a distance of 5 miles, there is a good pack trail which passes through the claim group.

FIELD PROCEDURE

By means of chain and compass and pace and compass methods, a grid pattern over an area measuring approximately

2700 feet by 5500 feet was established. Initially grid lines spaced on 500 foot intervals were established; however, more detailed soil sampling at a later date necessitated sample locations at 250 foot intervals. Each grid line and each sample location was well marked with orange flagging tape.

#### GEOCHEMICAL SURVEY

Soil samples were carefully collected from the "B" soil horizon or zone of oxidation at each of the grid sample locations. Detailed sample analysis were made at the Barringer Research Laboratory in Toronto. The analytical data are shown on the accompanying Geochemical Survey Map.

#### INTERPRETATION

Over most of the grid area, a good sample, representative of the "B" horizon, could be obtained. Although the depth of overburden is unknown, the glaciated shape of the valley and the distribution of rock outcrops would suggest a thick mantle of till in excess of 50 feet overlying the valley floor. For the most part, anomalous geochemical values were obtained from the more thinly covered south and east sectors of the grid. The anomalous values could represent either a syngenetic or epigenetic anomaly. In an attempt to differentiate the type of anomaly obtained, selected samples within the anomalous areas were analyzed for total Pb, CxCu, and total Hg and the analytical data was studied. The low CxCu:Cu ratios, the low total Pb and Hg values, and the close relationship with local land forms would suggest a lateral anomaly of syngenetic origin.

#### EXPENDITURES

The following is a summary of costs incurred and personnel involved in completing the Geochemical Survey on the R.H. Claims:

(1)	<u>Fixed Wing Charter</u> -		
	22 July/68	Wilderness Airline Limited W. Dunn and Freight Charlotte Lake to Taseko Cessna 185	\$ 160.00

Declared before me at the *City*  
of *Vancouver*, in the  
Province of British Columbia, this *9*  
day of *January*, *1969*, A.D.

*D. H. Olson*

*S. Jeannotte*  
~~A Commissioner for taking Affidavits within British Columbia and~~  
~~A Notary Public in and for the Province of British Columbia.~~

SUB-MINING RECORDER

(1) Fixed Wing Charter (Continued)

22 July/68	Wilderness Airline Limited R. Mitchell and Freight Charlotte Lake to Taseko Beaver	\$ 207.00
28 July/68	Wilderness Airline Limited Freight and (3 fuel) Charlotte Lake to Taseko Lake Beaver	\$ 191.00
2 Aug/68	Wilderness Airline Limited Passengers Dunn, DeJong returned to Charlotte Lake from Taseko Lake Beaver	\$ 275.00
3 Aug/68	Wilderness Airline Limited Gas to Taseko - freight (fly camps) to Charlotte Lake Beaver	\$ 247.00
20 Aug/68	Wilderness Airline Limited 3 gas 100/130 to Chilco from Nimpo Lake Beaver	\$ 146.00
24 Aug/68	Wilderness Airline Limited 1 passenger, camp gear and 1 gas Charlotte Lake to Taseko Lake Beaver	\$ 259.00
30 Aug/68	Wilderness Airline Limited Dunn and camp gear Taseko to Charlotte Lake 1 gas to Taseko Lake Beaver	\$ 271.00
TOTAL FIXED WING CHARTER		<u>\$ 1,756.00</u>

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SUBSTITUTED RECORDER

(2) Rotary Wing Charter (G3B1)

22 July/68	Alpine Helicopters Limited Place fly camp on R.H. Claims Charlotte Lake to Taseko and return 3 hrs., 30 minutes @ \$ 115/hr	\$ 402.57
28 July/68	Alpine Helicopters Limited Move Dunn and fly camp to Charlotte Lake 3 hrs., 10 minutes @ \$ 115/hr.	364.23
24 Aug/68	Alpine Helicopters Limited Place Dunn and DeJong with camp on R.H. Claims Charlotte Lake to Taseko and R.H. Claims 5.55 hrs. @ \$ 115/hr.	680.53
30 Aug/68	Alpine Helicopters Limited Move crew and camp from R.H. Claims to Charlotte Lake 4.50 hrs @ \$ 115/hr	555.93
<u>TOTAL ROTARY WING CHARTER</u>		<u>\$ 2,003.26</u>

(3) Aviation Fuel (100/130)

8 - 45 gal drums = 360 gals 100/130 aviation gasoline @ 60¢/gal	\$ 216.00
8 - 45 gal drums @ \$12/drum	96.00
	<u>\$ 312.00</u>

(4) Grid Sample Survey

W. Dunn - 22 and 23 July/68 @ \$27.62/day	\$ 55.24
J. DeJong - 22 and 23 July/68 @ \$23.02/day	46.04
	<u>\$ 101.28</u>

(5) Sample Collection

W. Dunn - 24 to 26 July/68 @ \$27.62/day	\$ 82.86
25 to 29 Aug/68 @ \$27.62/day	138.10
	.....5



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of *Vancouver*, in the  
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*D. Wilson*

*A. Jernette*  
~~A Commissioner for taking Affidavits within British Columbia or  
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(5) Sample Collection (Continued)

J. DeJong - 24 to 26 July/68 @ \$23.02/day	\$ 69.06
25 to 29 Aug/68 @ \$ 23.02/day	115.10
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	\$ 405.12

(6) Accommodation and Meals

W. Dunn - 22-28 July/68, inclusive @ \$6/day	\$ 42.00
24-30 Aug/68, inclusive @ \$6/day	42.00
J. DeJong - 22-28 July/68, inclusive @ \$6/day	42.00
24-30 Aug/68, inclusive @ \$6/day	42.00
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	\$ 168.00

(7) Laboratory Analysis (Soils)

Barringer Research Limited, Toronto, Ont.

R.H. Group I

111 samples analyzed for total Cu plus sample preparation @ \$ 1.20	\$ 133.20
103 samples analyzed for total Mo @ \$1.50	154.50
21 samples analyzed for total Pb @ \$1.00	21.00
21 samples analyzed for CxCu @ \$0.70	14.70
21 samples analyzed for total Hg @ \$2.00	42.00
	<hr/>
	\$ 365.40

R.H. Group II

47 samples analyzed for total Cu plus sample preparation @ \$1.20	\$ 56.40
45 samples analyzed for total Mo @ \$1.50	67.50
17 samples analyzed for total Pb @ \$1.00	17.00
17 samples analyzed for CxCu @ \$0.70	11.90
17 samples analyzed for total Hg @ \$2.00	34.00
	<hr/>
	\$ 186.80

TOTAL R.H. Group I and Group II	\$ 552.20
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*D. H. Olson*

*S. Jeannotte*

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~~NOTARY PUBLIC~~

(8) Geochemical Consulting

Barringer Research Limited, Toronto, Ontario.

Dr. J.L. Walker - 3 days, Nov 12,13 and 14/68	
@ \$ 150.00	\$ 450.00
Expenses, toronto to Vancouver and return	166.00
Accommodation and meals	58.00
	<u>\$ 674.00</u>

(9) Supervision and Map Preparation

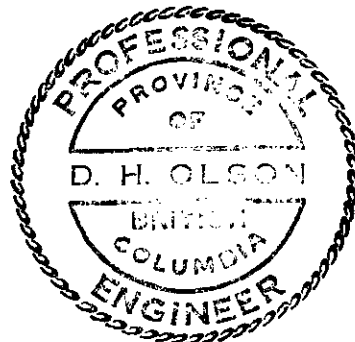
D.H. Olson, 7 days @ \$35/day	<u>\$ 245.00</u>
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T O T A L - (1) to (9), inclusive	<u>\$ 6,216.86</u>
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*D.H. Olson*

D.H. Olson,  
Professional Engineer  
of British Columbia.

DHO:sm



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day of *January, 1969*, A.D.

*D. H. Allen*

*S. J. Gerratt*  
~~A Notary Public in British Columbia or~~  
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APPENDIX A

MINERAL CLAIM SCHEDULE

<u>GROUP</u>	<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>
R.H. Group I	RH #17	16383
R.H. Group I	RH #19	16385
R.H. Group I	RH #21	16387
R.H. Group I	RH #23	16389
R.H. Group I	RH #25	16391
R.H. Group I	RH #27-#44	16393-16410
R.H. Group I	RH #46-#51	16411-16416
R.H. Group II	RH #1-#16	16367-16382
R.H. Group II	RH #18	16384
R.H. Group II	RH #20	16386
R.H. Group II	RH #22	16388
R.H. Group II	RH #24	16390
R.H. Group II	RH #26	16392
R.H. Group II	RH #34	16400



EXPLANATION

NS. No Sample

Sample No. 25 671 ppm Cu (total)

Sample Location 55. 47 ppm Cu (total)  
55. 23 ppm Pb (total)

460 ppm Cu (total)  
80 ppm Pb (total)  
55. 23 ppm Pb (total)  
870 ppm Cu  
870 ppm Pb

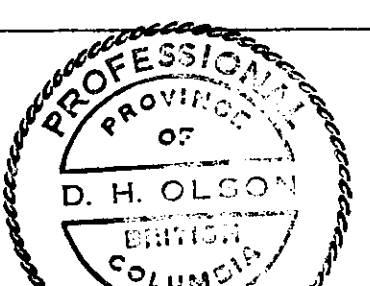
(\*) organic

1729

GRISWOLD CREEK COPPER PROSPECT  
RH CLAIM GROUPS I+II  
CLINTON MINING DIVISION  
TASEKO LAKES DISTRICT  
GEOCHEMICAL SOIL SURVEY  
Scale 1"=500'

DRAWN BY: D.H. OLSON REVISED JAN. 1969

TO ACCOMPANY GEOCHEMICAL SURVEY OF  
D. H. OLSON  
ENGINEER  
COLUMBIA



1508  
1509  
1510