A GEOCHEMICAL EVALUATION
of
THE TAB CLAIMS
ROSS RIVER AREA
WHITEHORSE MINING DIVISION
YUKON TERRITORY

SHEET 105-F-14
61°51' N. Lat : 133°15' W. Long.

By:
H. S. Lazenby
Arrow Inter-America Corporation

31 May, 1972 to 26 July, 1972

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of $237.30

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

Commissioner of Yukon Territory
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Fig. 1 Claim Location Map  Frontispiece
Fig. 2 Soil Sample Grid
Fig. 3 Claim Plan In Pocket
Fig. 4 Chip Sample Analysis
GEOCHEMICAL EVALUATION - TAB GROUP

INTRODUCTION

During 1972, general field investigations led to the preliminary examination of a sulphide mineral showing, and to subsequent acquisition of the Tab Group; a group of mineral claims covering the showing and the surrounding area.

Geochemical soil samples were taken in the area of the sulphide showings.

LOCATION AND ACCESS (N61°31', W133°15')

The claims are situated on Fox Creek, approximately 27 miles southwest of Ross River, Y.T. (N.T.S. sheet 105-F-14), Figs 1 & 3. Access is by helicopter from Ross River, or from the point where the Canol Road crosses Fox Creek, approximately 18 miles southwest of Ross River.

CLAIMS

The following claims comprise the Tab Group:

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<td>Y66376 - Y66383</td>
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<td>JAC 15-18</td>
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The recorded owner is Arrow Inter-America Corporation, of 304-535 Thurlow, Vancouver 5, B.C.

Fig. 3 illustrates their relative position.

GEOLOGY

Map 7-1960 of the Geological Survey of Canada shows the area to be underlain by Middle and Upper Cambrian phyllites, hornfels, greenstone,
limestone, chert, greywacke, and phyllitic quartzite. Locally, these rocks strike north-south and dip about 35° to the east. A number of quartz veins up to two feet thick transect these rocks, striking north-south, and dipping vertically.

The showing consists of a number of mineralized boulders which lie in a line extending about 1500 feet down the creek bed, and up along the slope to the east. These boulders appear to have been broken from a mineralized bed and worked their way down to the valley floor along with the general soil creep and slide material.

**WORK DONE**

Initial investigation of the showing included the taking of a number of chip samples. Assays from these samples returned values of from 1.40% to 7.0% Zn, and 0.08% to 1.10% Pb, with minor amounts of copper. (See Fig. 4 dated June 8, 1972).

In an effort to establish the location of the host bed, a number of soil samples were taken on a grid pattern across the bedding on the overburden-covered hillside. They were taken with a soil auger from a depth of sixteen inches. In every case the sample was composed of fine, light grey clay-like material. These samples were assayed by Bondar-Clegg and Co. Ltd., using the standard atomic absorption technique; they were dried and sifted, with the -80 mesh portion being used for analysis. The samples were weighed in a test tube and digested in hot aqua regia, diluted with water, mixed, and allowed to settle. They were then analyzed by atomic absorption in comparison with synthetic and matrix standards. Fig. 2 illustrates the location and assay results of the different samples.

**RESULTS**

The results of the soil sampling program suggest that geochemistry is of no use on this particular showing. The copper assays are uniformly low, and the zinc assays sufficiently low and erratic to suggest that the metal ions are either not going into solution, or, if they are, they are not penetrating or adhering to the rock-flour-like particles which make up the overburden in this area.

**CONCLUSIONS**

1. Geochemistry is of no use as a prospecting tool.
2. There are sufficient minor slip faces and graphitic phyllites in evidence to suggest that IP or EM would be of little use as a prospecting tool.

3. Though trenching would seem to be the next logical step in trying to outline an economic sulphide deposit, the presence of permafrost and the thickness of overburden on the hillside rules out the practicability of such a program. It is questionable to the writer that a bulldozer would be able to reach bedrock in any reasonable length of time, if at all.

RECOMMENDATIONS

It is recommended that the next method used in exploring this property be that of diamond drilling. Six 200 ft. holes drilled in the right places would either:

(a) Confirm the possibilities of the presence of an economic deposit, or
(b) Establish that the sulphide body lacks the grade and/or dimensions to become economically exploitable.

Respectfully submitted,

[Signature]

H. S. Lazenby, Geologist

slh/HSL
TO WHOM IT MAY CONCERN:

Dear Sir:

This is to confirm that the work done on the Tab Group of claims as laid out in this report was done under my supervision.

F. B. Whiting,
Professional Engineer, B.C.
CERTIFICATE OF ASSAY

June 8, 1972
Report # A42-02

I hereby certify that the following are the results of assays made by us upon the herein described rock samples.

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TOTAL VALUE PER TON (2000 LBS.)

NOTE:
Rejects retained two weeks
Pulps retained three months unless otherwise arranged.

Gold & Silver values reported on these sheets have not been adjusted to compensate loses and gains inherent in fire assay methods.

Gold calculated at $5.00 per ounce

J. Germon
Registered Assayer, Province of British Columbia
APPENDIX A

Summary of Costs Incurred on the Property

31 May  J. Clifford, geologist, 304-535 Thurlow St., Vancouver 5, B.C. Chip Sampling $50.00
16 June  Bondar Clegg, Assays (Item A) $47.50
4 July  H. S. Lazenby, geologist, 304-535 Thurlow Street, Vancouver 5, B.C. Property Examination $50.00
        F. B. Whiting, geologist, 304-535 Thurlow Street, Vancouver 5, B.C. Property Examination $50.00
        Canwest Aviation (Item B) $261.00
22 July  H. S. Lazenby, geologist Soil Sampling $50.00
        L. Sciban, helper, Ross River, Y.T., Soil Sampling $35.00
        Canwest Aviation (Item C) $319.00
26 July  Bondar Clegg- Soil Sample Analysis (Item D) $74.80
        Total $937.30

Photostats of receipts are attached.

Affidavit Supporting Summary of Costs

I, H. S. Lazenby, of Arrow Inter-America Corporation, 304-535 Thurlow Street, Vancouver 5, B.C., do hereby state that the above expenditures were incurred in the examination of the Tab claims, and in the geochemical sampling done on the Tab 3 and Murph 2 mineral claims.

SWORN BEFORE ME at ) Date: September 21, 1972
Vancouver, B. C. )
this 21st day of )
September, 1972 )

A Notary Public in and ) for the Province of )
British Columbia )
**INVOICE:** 4880  
**DATE:** June 16, 1972  
**REPORT NO:** A42-02  
**PROJECT:**

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**ARROW INTER-AMERICA CORPORATION**

301 - 305 THOROUGHFARE PHONE 665-0458  
VANCOUVER 5, B.C.

**PAY TO THE ORDER OF:**  
BONDAR-CLEGG AND CO. LTD.,  
768 BELFAST ROAD (M R L)  
OTTAWA 8, ONTARIO

**NOT NEGOTIABLE**

June 30/72- yr invoice 4830, June 16/72- $47.50

076-7063  Te5  
7211.4
## DAILY FLIGHT REPORT

**CANWEST AVIATION LTD.**

**DATE:** July 14th A/C 2412

**CHARTER □ ** **CONTRACT □**

**CUSTOMER:** Aerocare Inc.

**ADDRESS:** 535 Thurlow, Vancouver, B.C.

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**CUSTOMER SIG.:**

**SPECIAL REMARKS:**

---

**TOTAL CONTRACT HOURS:**

**FUEL:**

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**INSERT COVER PLATE BEFORE WRITING**

**NO.:** G 131
INVOICE

Conwest Aviation Ltd.
NO. 4 HANGAR
CALGARY INTERNATIONAL AIRPORT
CALGARY, ALBERTA, T2E 2G3

July 21, 1972

Item 8

Arrow Inter America
555 - Thurlow St.
Vancouver 5, B.C.

Fuel: Helicopter CF-CHN

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Daily Flight Reports Attached

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Arrow Inter America Corporation
301-525 Thurlow Street Phone 604-638
Vancouver 5, B.C.

July 24, 1972

Three thousand twenty-six dollars $3026.00

Pay to the order of Conwest Aviation Ltd., No. 4 Hangar, Calgary International Airport, Calgary, Alberta T2E 2G3

Stated Amount NOT NEGOTIABLE

4000 10-16: 12-108152

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July 24/72 - yr invoice no. 1283 and 1294 - $3026.00

076-7083
Risby $326
Reale $330
Tab $334

Total $3026.00
**Invoice**

**Canwest Aviation Ltd.**

**NO. 4 HANGAR**

**CALGARY INTERNATIONAL AIRPORT**

**CALGARY, ALBERTA, T2E 2G3**

August 22/72 - yr. Invoice no. 1362 - August 15/72 - $319.00

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| PILOT'S SIG.            |      |
| CUSTOMER SIG.           |      |
| MTCE. ENG.              |      |

SPECIAL REMARKS

TOTAL FLT. HRS. 30
TOTAL CONTRACT HOURS 30
FUEL

NO. G 146
**BONDAR-CLEGG & COMPANY LTD.**

768 A BERTH ROAD (M.R. 1), OTTAWA 8, ONTARIO

PHONE: 237-3110

**INVOICE:** 7111

**DATE:** July 26, 1972

**REPORT NO.:** 22-345

**PROJECT:** W.O. 6004

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**Subtotal:** $74.80

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**ARROW INTER-AMERICA CORPORATION**

304-536 Thurlow Street
Vancouver 5, B.C.

**PAYMENT**

BONDAR-CLEGG AND CO. LTD.
768 BELFAST ROAD (M.R. 1), OTTAWA 8, ONTARIO

**30** DOLLARS $74.80

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**NOT NEGOTIABLE**
### INVOICE

Arrow Inter America
335 - Thurlow St.
Vancouver 5, B.C.

Re: Helicopter CF-DHN

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Daily Flight Reports Attached

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### PAYMENT

**ARROW INTER-AMERICA CORPORATION**
335 - 335 Thurlow Street
Phone 633-0139
Vancouver 5, B.C.

**2851**

**JULY 24**

**19 72**

---

**---THREE THOUSAND TWENTY SIX---**

**100 DOLLARS $ 3026.00**

---

**ARROW INTER-AMERICA CORPORATION**
No. 4 Hangar,
Calgary International Airport,
Calgary, Alberta T2E 2E3

**NOT NEGOTIABLE**

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**ARROW INTER-AMERICA CORPORATION**

**July 24/72- yr invoice no. 1283 and 1294- $3026.00**

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Re: Helicopter CF-DHN
**Arrow Inter-America Corp.**  
304 - 535 Thurlow Street  
Vancouver 5, B.C.  
Attention: Mr. H.S. Lazenby

**Report**

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**Total:** $74.80

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**INVOICE:** 7111  
**DATE:** July 26, 1972  
**REPORT NO:** 22-345  
**PROJECT:** W.O. 6004

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**ARROW INTER-AMERICA CORPORATION**  
304 - 535 THURLOW STREET  
VANCOUVER 5, B.C.

---

**Cheque No:** 00010  
**Amount:** $74.80  
**Issued by:** ARROW INTER-AMERICA CORPORATION  
**Not Negotiable**

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**72-yr. invoice 7111, July 26/72- $74.80**

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**076-P083**  
**Tab $334**  
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