



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

This report has been examined by the
Geological Evaluation Unit and is recom-
mended to the Commissioner to be consider-
ed as representation work in the amount of
\$937.30

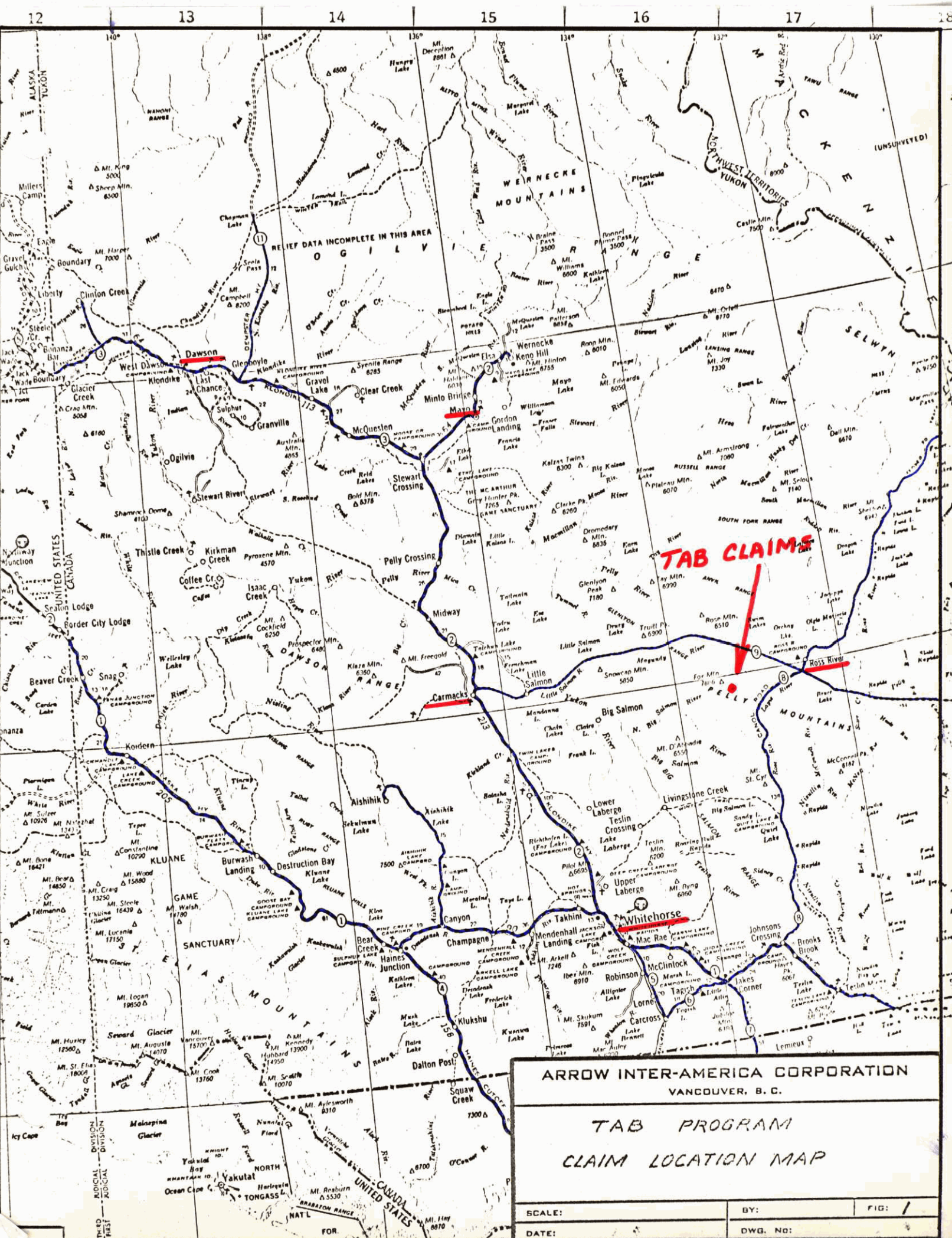
31 May, 1972 to 26 July, 1972

D. B. Craig
Resident Geologist or
~~Resident Mining Engineer~~

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

Commissioner of Yukon Territory

090942



TAB CLAIMS

ARROW INTER-AMERICA CORPORATION
VANCOUVER, B. C.

TAB PROGRAM
CLAIM LOCATION MAP

SCALE: BY: FIG: /
DATE: DWG. No:

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Fig. 2.....Soil Sample Grid
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Fig. 4.....Chip Sample Analysis

GEOCHEMICAL EVALUATION - TAB GROUPINTRODUCTION

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°51', 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:

<u>CLAIM</u>	<u>RECORD NO.</u>
TAB 1-4	Y62689 - Y62692
MURPH 1-6	Y66330 - Y66335
7-8	Y66338 - Y66339
9-16	Y66346 - Y66353
17-18	Y66336 - Y66337
19-20	Y66340 - Y66341
21-26	Y66354 - Y66359
27-30	Y66342 - Y66345
31-34	Y66362 - Y66365
35-38	Y66368 - Y66371
39-40	Y66360 - Y66361
41-48	Y66376 - Y66383
49-50	Y66366 - Y66367
51-54	Y66372 - Y66375
55-60	Y66384 - Y66389
BAT 1-8	Y66716 - Y66723
9-40	Y66731 - Y66762
LOY 1-4	Y66763 - Y66766
JAC 15-18	Y66767 - Y66770

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,



H. S. Lazenby, Geologist

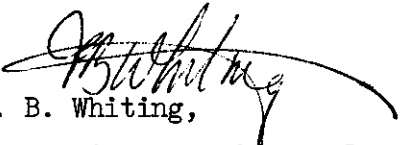
slh/HSL

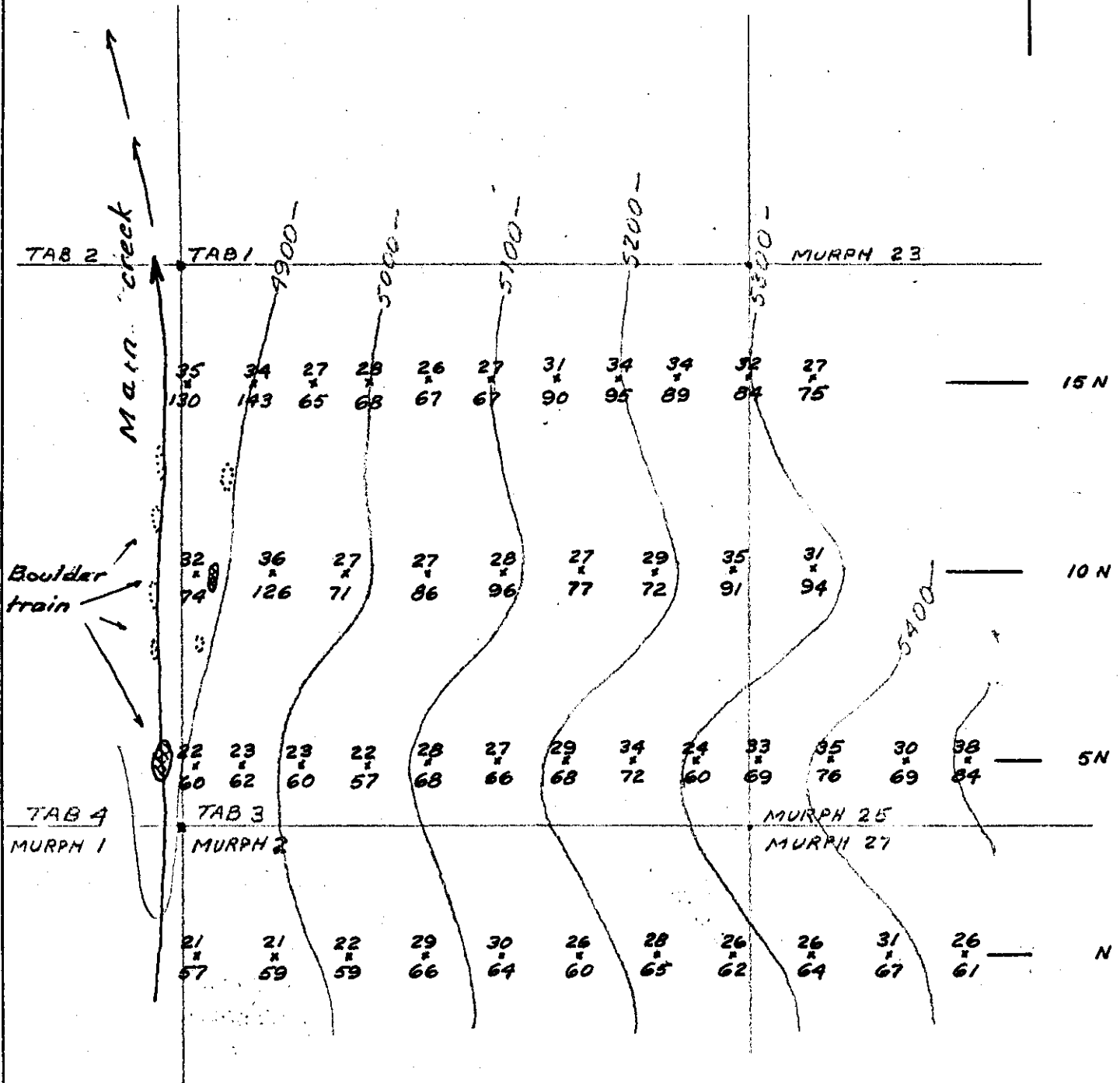
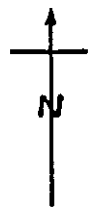
(4)

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.



LEGEND:

- x Sample location
- Claim post
- 12 Copper - ppm. (top No.)
- 21 Zinc - ppm. (bottom No.)

ARROW INTER-AMERICA CORPORATION VANCOUVER, B. C.		
TAB PROGRAM SOIL SAMPLE GRID		
SHEET 105-F-14		
SCALE: 1" = 400'	BY: HSL	FIG: 2
DATE: 10/8/72	DWB. NO:	

BCIL - 2546A - A.I.A.



BONDAR-CLEGG & COMPANY LTD.

geochemists • assayers • analytical chemists

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.

PHONE: 988-5315

TELEX: 04-54554

CERTIFICATE OF ASSAY

June 8, 1972

Report # A42-02

TAB-chips

TO Mr. J. A. Clifford
Arrow Inter-America Corp.
C/O Post Office
Ross River, Y.T.

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

MARKED	GOLD		SILVER	Cu	Pb	Zn					TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
3201	0.01		0.40	0.36	1.10	5.10					
3202	-		-	-	-	6.64					
3203	-		-	-	-	7.00					
3204	0.01		0.10	0.21	0.08	6.30					
3205	-		-	-	-	1.40					

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 losses and
gains inherent in fire assay methods.

Gold calculated at \$..... per ounce

per

J. Gorman

Registered Assayer, Province of British Columbia

Fig 4

APPENDIX A

Summary of Costs Incurred on the Property

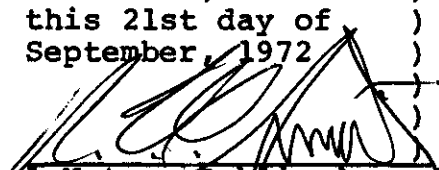
31 May	J. Clifford, geologist, 304- 535 Thurlow St., Vancouver 5, B.C.	Chip Sampling	\$ 50.00
16 June	Bondar Clegg, Assays (Item A)		\$ 47.50
4 July	H. S. Lazenby, geologist, 304- 535 Thurlow Street, Vancouver 5, B.C.	Property Examination	\$ 50.00
	F. B. Whiting, geologist, 304- 535 Thurlow Street, Vancouver 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

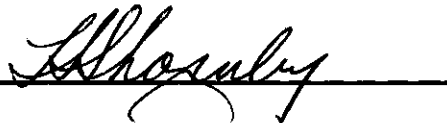
Photostats of receipts are attached.

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)





BONDAR-CLEGG & COMPANY LTD.

geochemists • assayers • analytical chemists

768 A BELFAST ROAD (M.R. 1), OTTAWA 8, ONTARIO
PHONE: 237-3110 TELEX: 013-3548

Mr. J. A. Clifford,
Arrow Inter-America Corp.,
c/o General Delivery,
Ross River, Y.T.

INVOICE: 4880
DATE: June 16, 1972
REPORT NO: A42-02
PROJECT:

ITEM A.

2	Au and Ag Assays	@ \$5.00	\$10.00
2	Cu Assays	@ \$3.00	6.00
2	Pb Assays	@ \$4.50	9.00
5	Zn Assays	@ \$4.50	<u>22.50</u>
	TOTAL		<u>\$47.50</u>

ARROW INTER-AMERICA CORPORATION
301 - 500 THURLOW STREET PHONE 686-6488
VANCOUVER 5, B.C.

NO 2786

JUNE 30 1972

PAY TO THE ORDER OF —FORTY SEVEN— ⁵⁰/₁₀₀ DOLLARS \$47.50
BONDAR-CLEGG AND CO. LTD.,
768 BELFAST ROAD (M R L)
OTTAWA 8, ONTARIO

CANADIAN IMPERIAL BANK OF COMMERCE
HASTINGS & GRANVILLE BRANCH
603 WEST HASTINGS STREET
VANCOUVER, B.C.

ARROW INTER-AMERICA CORPORATION

NOT NEGOTIABLE

• 400010-0101 12-10815*

ARROW INTER-AMERICA CORPORATION

June 30/72- yr invoice 4880, June 16/72- \$47.50

DAILY FLIGHT REPORT

ITEM B

CANWEST AVIATION LTD.

DA
CANWEST

DATE July 4/72 A/C D4N
 CHARTER CONTRACT _____
 CUSTOMER Arrow Inter America
 ADDRESS 535 Thurlow Vancouver S.B.C.
 PROJECT _____

DATE July 5/72
 CHARTER CONTRACT _____
 CUSTOMER Arrow Inter
 ADDRESS 535 Thurlow
 PROJECT _____

FLIGHT/PASSENGER DETAILS	Fuel Supplied By		HRS.	MIN.
	CAN-WEST	CUST.		
<u>Ross to Fox Creek Prov</u>				
<u>of Frank Whiting + Bob Lacey</u>				
<u>Rico</u>	<input checked="" type="checkbox"/>		1.8	
<u>TAG</u>				
PILOT'S SIG. <u>[Signature]</u>	TOTAL FLT. HRS. <u>1.8</u>			
CUSTOMER SIG. _____	TOTAL CONTRACT HOURS			
MTCE. ENG. _____	FUEL			

FLIGHT/PASSENGER DETAILS
<u>Ross River to R.</u>
<u>Frank Whiting</u>
<u>Ross to Fox Creek</u>
<u>to Ross</u>
<u>Ross to Godkin</u>
<u>Godkin to Ross</u>
PILOT'S SIG. <u>[Signature]</u>
CUSTOMER SIG. _____
MTCE. ENG. _____

SPECIAL REMARKS _____

SPECIAL REMARKS _____

INSERT COVER PLATE BEFORE WRITING **N^o G 131**

INSERT COVER PLATE BEFORE WRITING



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

No 1294

July 21, 1972

INVOICE

ITEM B

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

Re: Helicopter CF-DHN

DATE	FLIGHT/PASSENGER DETAILS	FUEL & OIL	TOTAL FLIGHT HOURS HOURS - MINUTES	RATE	TOTAL
July	Flight Report G 127	x	2.8	145.00	406.00
July 6	Flight Report G 129		1.5	135.00	202.50
July 5	Flight Report G 130	x	2.5	145.00	362.50
July 5	Flight Report G 130		6.8	135.00	918.00
July 4	Flight Report G 131	x	1.8	145.00	261.00
July 6	Flight Report G 132		2.3	135.00	310.50
					<u>\$2460.50</u>
Daily Flight Reports Attached					

ARROW INTER-AMERICA CORPORATION
301-305 THURLOW STREET PHONE 685-6185
VANCOUVER 5, B.C.

2851

JULY 24 19 72

PAY TO THE ORDER OF THREE THOUSAND TWENTY SIX ⁰⁰/₁₀₀ DOLLARS \$ 3026.00

CANWEST AVIATION LTD.,
No. 4 Hangar,
Calgary International Airport,
Calgary, Alberta T2E 2G3

ARROW INTER-AMERICA CORPORATION

NOT NEGOTIABLE

CANADIAN IMPERIAL BANK OF COMMERCE
HASTINGS & GRANVILLE BRANCH
245 WEST HASTINGS STREET
VANCOUVER, B.C.

⑆00010⑉010⑆ 12⑉10815⑈

ARROW INTER-AMERICA CORPORATION

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

076-P083	Risby #326	\$1483.00
	Keele #330	310.50
	Tab #334	<u>1232.50</u>
		\$3026.00

7411.0

P

THREE HUNDRED NINETEEN ⁰⁰ DOLLARS \$ 319.00

ORDER OF
 CANWEST AVIATION LTD.,
 No. 4 Hangar,
 Calgary International Airport,
 Calgary, Alberta T2E 2G3

ARROW INTER-AMERICA CORPORATION

CALGARY INTERNATIONAL BANK OF COMMERCE
 BRANCHES & BRANVILLE BRANCH
 610 WEST 10TH STREET
 VANCOUVER, B.C.

NOT NEGOTIABLE

⑆00010⑉010⑆ 12⑈10815⑈

ITEM C

ARROW INTER-AMERICA CORPORATION

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

076-P083 Tab #334
 7411.0

P

CUSTOMIZED CHECKS

HAY RIVER
 874-2721

FT. SMITH
 872-2644

FT. SIMPSON
 2591

NORMAN WELLS
 2200

INUVIK

CALGARY
 288-1845
 288-3034



Canwest Aviation Ltd.

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

No 1362

August 15, 1972

INVOICE

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

Re: Helicopter CF-DHN

DATE	FLIGHT/PASSENGER DETAILS	FUEL & OIL	TOTAL FLIGHT HOURS HOURS - MINUTES	RATE	TOTAL
July 22/72	Flight Report G 146 Flight Report Attached	x	2.2	145.00	\$319.00

BCC

BONDAR-CLEGG & COMPANY LTD.

Geochemists • assayers • analytical chemists

768 A BELFAST ROAD (M.R. 1), OTTAWA 8, ONTARIO
PHONE: 237-3110 TELEX: 013-3548

INVOICE: 7111
7111

Arrow Inter-America Corp.
304 - 535 Thurlow Street
Vancouver 5, B.C.

ITEM D

DATE: July 26, 1972

REPORT NO: 22-345

Attention: Mr. H.S. Lazenby

PROJECT:

W.O. 6004

44	Copper, Zinc	Analyses	@ \$ 1.50	\$ 66.00
44	Sample Preparations		@ \$.20	8.80
				<u>8.80</u>
				<u>\$ 74.80</u>

ARROW INTER-AMERICA CORPORATION
304 - 535 THURLOW STREET PHONE 635-6438
VANCOUVER 5, B.C.

12-2804
AUGUST 9 1972

PAY TO THE ORDER OF SEVENTY FOUR 80 100 DOLLARS \$ 74.80

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

ARROW INTER-AMERICA CORPORATION

CANADIAN IMPERIAL BANK OF COMMERCE
HASTINGS & GRANVILLE BRANCH
545 WEST HASTINGS STREET
VANCOUVER, B.C.

NOT NEGOTIABLE

⑈00010⑈010⑈ 12⑈10815⑈

ARROW INTER-AMERICA CORPORATION
72- yr. invoice 7111, July 26/72- \$74.80

076-P083 Tab #334
7211.4

P



Canwest Aviation Ltd.

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

No 1294

July 21, 1972

INVOICE

ITEM 8

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

Re: Helicopter CF-DHN

DATE	FLIGHT/PASSENGER DETAILS	FUEL & OIL	TOTAL FLIGHT HOURS HOURS - MINUTES	RATE	TOTAL
July	Flight Report G 127	x	2.8	145.00	406.00
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Daily Flight Reports Attached					

ARROW INTER-AMERICA CORPORATION

304 - 535 THURLOW STREET PHONE 685-6188
VANCOUVER 5, B.C.

2851

JULY 24 19 72

PAY TO THE ORDER OF THREE THOUSAND TWENTY SIX ⁰⁰/₁₀₀ DOLLARS \$ 3026.00

CANWEST AVIATION LTD.,
No. 4 Hangar,
Calgary International Airport,
Calgary, Alberta T2E 2G3

CANADIAN IMPERIAL BANK OF COMMERCE
HASTINGS & BRANVILLE BRANCH
640 WEST HASTINGS STREET
VANCOUVER, B.C.

ARROW INTER-AMERICA CORPORATION

NOT NEGOTIABLE

⑆00010⑉010⑆ 12⑉10815⑈

ARROW INTER-AMERICA CORPORATION

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

076-P083	Risby #326	\$1483.00
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7411.0

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CANADIAN IMPERIAL BANK OF COMMERCE
 HASTINGS & BRANVILLE BRANCH
 640 WEST HASTINGS STREET
 VANCOUVER, B.C.

ARROW INTER-AMERICA CORPORATION
[Signature]
 NOT NEGOTIABLE

⑆00010⑉010⑆ 12 108 15⑈

ITEM C

ARROW INTER-AMERICA CORPORATION

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

076-P083 Tab #334
 7411.0

P

CUSTOMIZED CHEQUES

HAY RIVER
 874-2721

FT. SMITH
 872-2644

FT. SIMPSON
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NORMAN WELLS
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 288-1845
 288-3034



Canwest Aviation Ltd.
 NO. 4 HANGAR
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No 1362

August 15, 1972

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	Flight Report Attached				

BCC

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Geochemists • assayers • analytical chemists

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PHONE: 237-3110

TELEX: 013-3548

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7111Arrow Inter-America Corp.
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				<u>74.80</u>

ARROW INTER-AMERICA CORPORATION

304 - 535 THURLOW STREET PHONE 635-6438
VANCOUVER 5, B.C.

100 - 2004

AUGUST 9 1972

SEVENTY FOUR

80

DOLLARS \$ 74.80

100

PAY
TO THE
ORDER
OFBONDAR-CLEGG AND CO. LTD.,
768 BELFAST ROAD (M R 1),
OTTAWA 8, ONTARIO

ARROW INTER-AMERICA CORPORATION

CANADIAN IMPERIAL BANK OF COMMERCE
HASTINGS & GRANVILLE BRANCH
640 WEST HASTINGS STREET
VANCOUVER, B.C.

NOT NEGOTIABLE

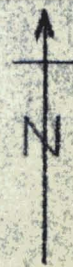
⑈00010⑈010⑈ 12⑈10815⑈

ARROW INTER-AMERICA CORPORATION

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

076-P083 Tab #334
7211.4

P



Twin Mt.
2 1/2 miles

W 133° 15'

090942

ARROW INTER-AMERICA CORPORATION VANCOUVER, B. C.		
TAB PROGRAM CLAIM PLAN		
SHEET 105-F-14		
SCALE: 1 INCH = 1/2 MILE	BY: HSL	FIG: 3
DATE: 10/8/72	DWG. No:	