

GEOLOGICAL AND GEOCHEMICAL REPORT



on the

DU MINERAL CLAIMS

64° <sup>24</sup>25' N. 132° <sup>34</sup>30' W.



for

HARMAN MANAGEMENT LTD.

by

Charles K. Ikona P. Eng

Aug. 29, 1974

1000

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 \$4000.00

*D.B. Craig*  
\_\_\_\_\_  
Resident Geologist or  
Resident Mining Engineer

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

*[Signature]*  
\_\_\_\_\_  
Commissioner of Yukon Territory

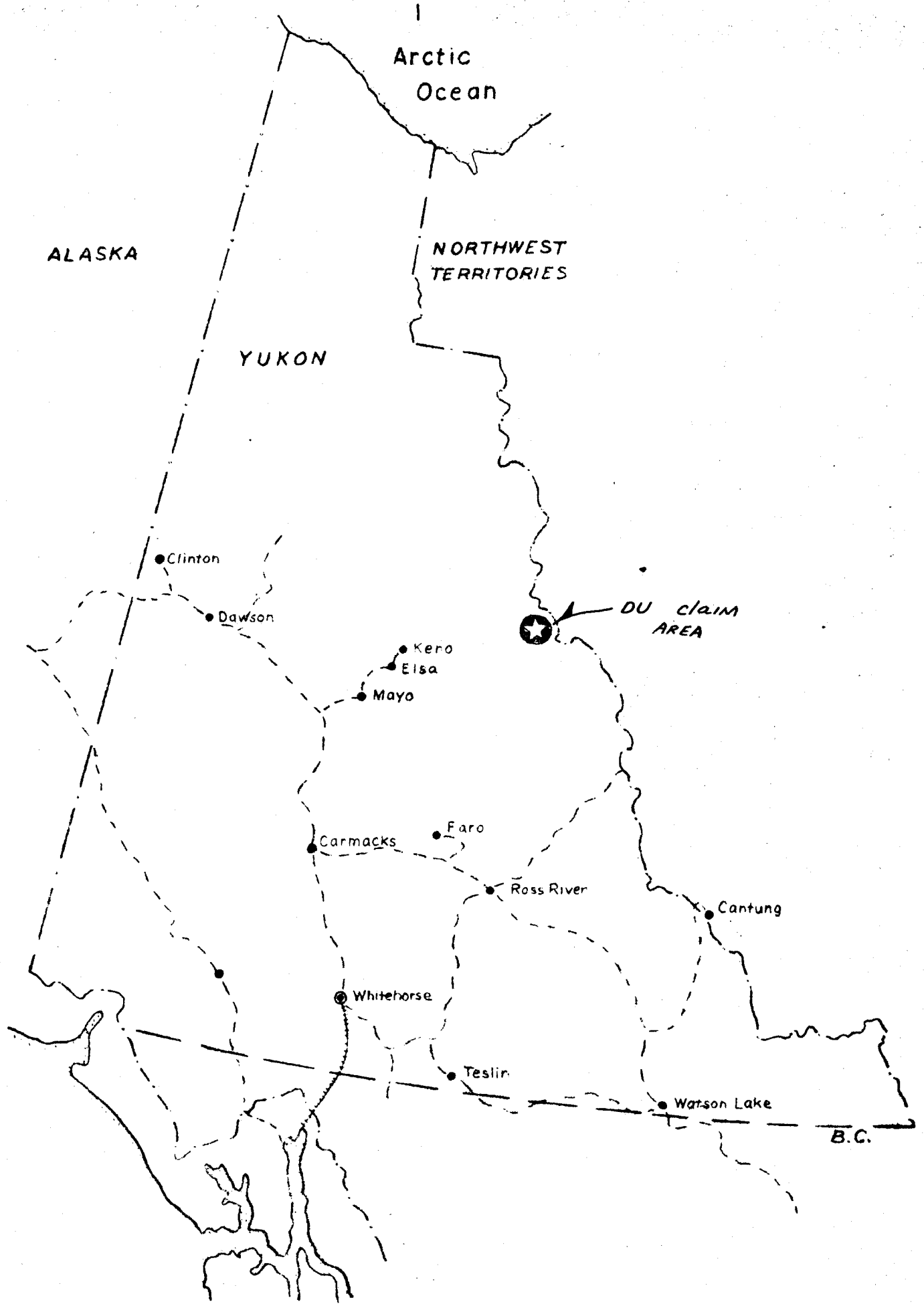
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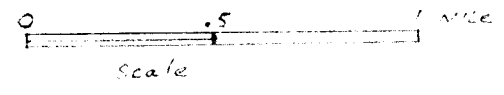
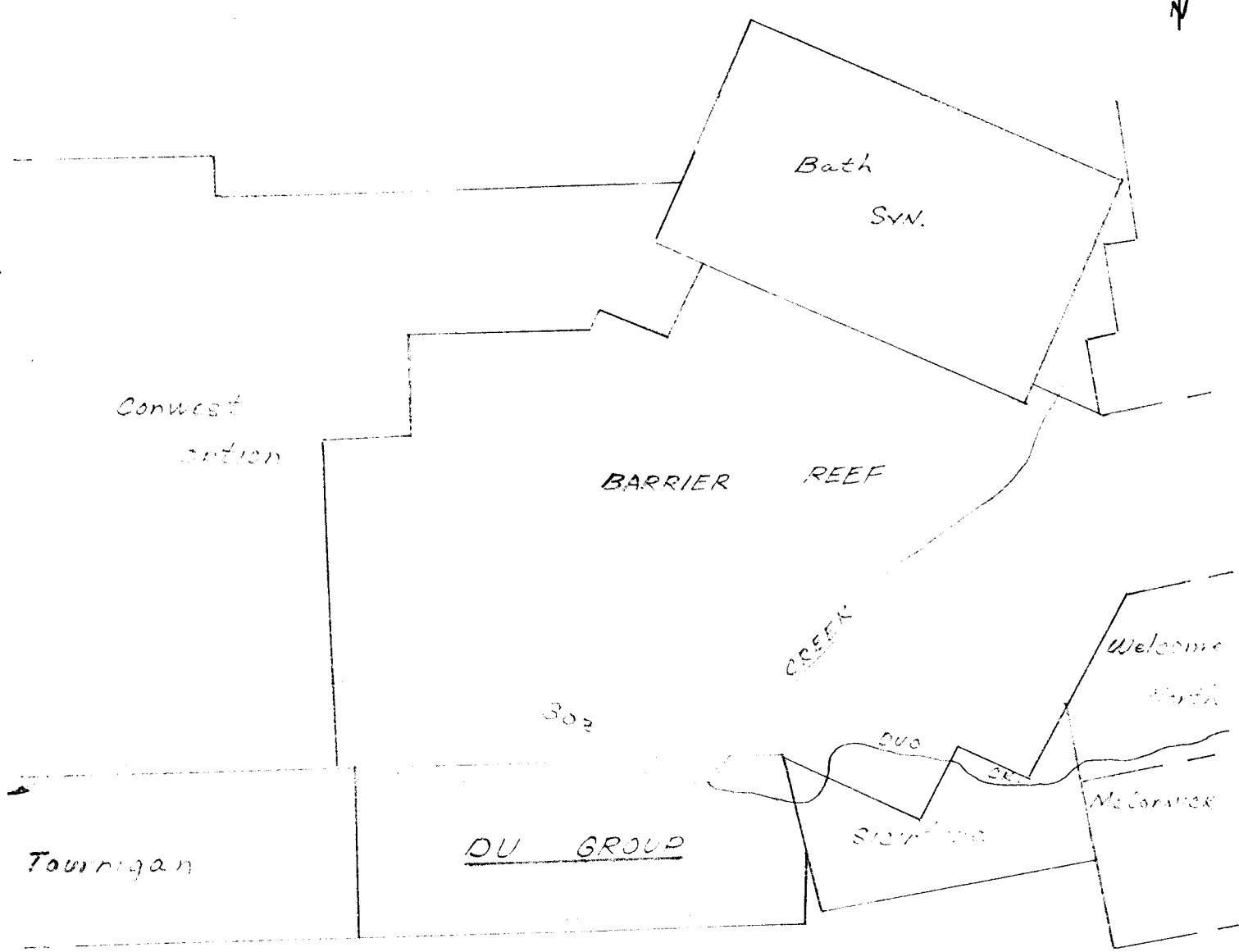
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Volume II

A) statement of general expenditures and notes

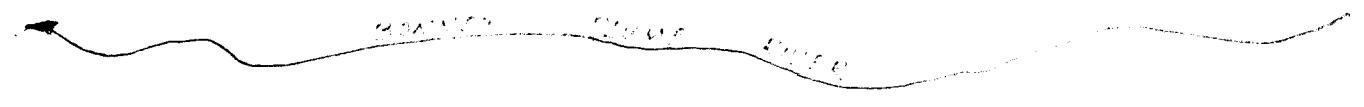
B) support data





SKETCH

of clear relations (approx)  
around Stone River Inca, V.T.



### Introduction

The DU claim group was prospected, mapped and geochem silt samples taken from the Major Drainage Systems during the period June 13 to 18, 1974. The work was conducted under the supervision of the author.

### List of Claims

Claim Names: DU 1 - 40  
 Grant Numbers: Y69790 - Y69829  
 Recording Date: Aug. 21, ~~1974~~ / 1973  
 NTS Sheet: 106-C-7

### Location and Access

The claim group lies at the junction of Goz and Duo Creeks in the Mayo Mining District of the Yukon Territories. Latitude and Longitude are approximately  $64^{\circ} 25' 24''$  N and  $132^{\circ} 30' 34''$  W respectively.

Access to the property is by fixed wing aircraft to Porter Puddle approximately 120 miles Northeast of Mayo Y. T. A helicopter is required for the next 8 miles up Goz Creek to the property.

### Topography

Elevations on the property vary from 3400 Feet to 4500 feet above sea level. Topography varies from flat and marshy on the Northwest part of the group to moderately rugged along the southern boundary.

The entire property is treed and brushy.

### Geology

The claim group is underlain by a sequence of interbedded shales, limestones and dolomites of Hadrynian age. Minor interbeds of brown quartzites or quartz sandstones also are found in this sequence.

General attitude of the unit appears to be approximately East West and dipping to the south, although fairly intensive folding and faulting cause local marked variations in these attitudes. These deformations have also produced phyllitic textures on a local basis throughout the property.

Alteration on the property is confined to local shattering and widely diffused calcite stringers

Mineralization located was limited to limonite and decomposed lenses of pyrrhotite.

### Geochemistry

Silt samples were taken from the major drainage systems on the property. These were placed in kraft bags and air dried in camp.

### Method of Analysis

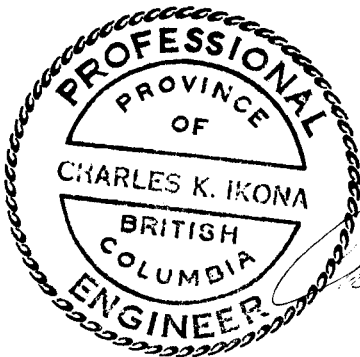
The samples were delivered to Chemex labs Ltd. 212 Brooksbank Ave., North Vancouver, B.C. for lead and zinc determination. A hot acids digestion method was employed and analysis made on an atomic absorption unit.

Discussion of Results & Conclusions

The stream geochemical program yielded results over most of the property felt to be in the background range for the area. Samples from the Northwestern portion of the property were somewhat higher, however, this area is the marshy part of the claim group and the higher values here probably reflect the greater organic content of the silts rather than being a true anomaly.

The unit underlying the DU group is not a notably favorable host in the area. As no mineralization of an economic nature was located on the property and the stream sampling program yielded values of a background range, little or no further expenditure is warranted on the property at this time.

Respectively submitted,



Charles K. Ikona P. Eng.

A handwritten signature in cursive script that reads "Charles K. Ikona".

## List of personnel for the DU Group:

Graham Baird	74 Withrow Ave., Ottawa, Ont.	prospector	June 16, 17
Sean Dennison	210-2045 Carling Ave., Ottawa, Ont.	field hand	June 16, 17, 18
Chuck Ikona	2416 St. John's Port Moody, B.C.	P. Eng.	June 18, Aug. 20, 22

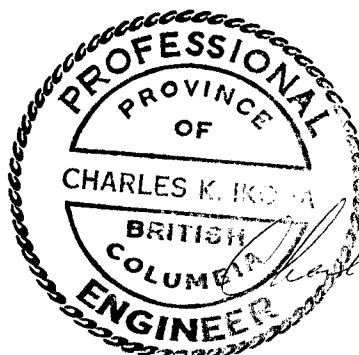
DU MINERAL CLAIMS  
STATEMENT OF EXPENDITURES TO DATE  
August 27, 1974

## DIRECT COSTS:

wages	5 man-days	250.00	
geologic fees	C. Ikona	220.00	
helicoptersupport	\$199/hour	796.00	
field equip expense	\$ 6.00/man/day	42.00	
camp costs	\$10.00/man/day	<u>70.00</u>	1,378.00

## PRO-RATED GENERAL

equip supply	243.72	
contracts and rentals	23.84	
wages (camp mob/ demot/cook)	633.75	
food	per diem	
fuels	per hour	
helicopter (general)	720.45	
fixed wing (general)	631.06	
travel & accom.	49.04	
sundry and admin.	435.70	
geochem supplies	27.79	
expediting services	224.43	
air travel & airfreight	<u>97.96</u>	
	3,107.74	<u>3,107.74</u>
Sub Total		4,485.74
Harman Explorations Ltd. fee		<u>0.00</u>
Total Expenditures to date:		4,485.74



CANADA) In the matter of a geological and geochemical survey  
) and report on the DU mineral claims 1-40  
) on behalf of Harman Management Ltd  
TO WIT: )

I, Charles K Ikona for Pamicon Development Ltd of 609-850 West Hastings street, Vancouver, B.C. do solemnly declare that a geologic mapping and geochemical survey program were conducted on the DU 1-40 mineral claims during the period June 13 to 18, 1974.


The following expenses were incurred during the course of this work and in the compilation and reporting of the results:

wages	\$	250.00
geologic fees		220.00
helicopter support		796.00
field equipment expense		42.00
camp costs		70.00
equipment supply		243.72
contracts and rentals		23.84
wages		633.75
food		n/a
fuels		n/a
helicopter		720.45
fixed wing		631.06
travel and accom.		49.04
tundry and admin.		435.70
goechem supplies		27.79
expediting services		224.43
air travel and air freight		<u>97.96</u>

Total expenditures \$ 4,485.74

And I make this solem declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virture of the Canada Evidence Act.

Declared before me at Vancouver )  
in the Province of British )  
Columbia this 30<sup>th</sup> day of )  
JANUARY, 1975. )



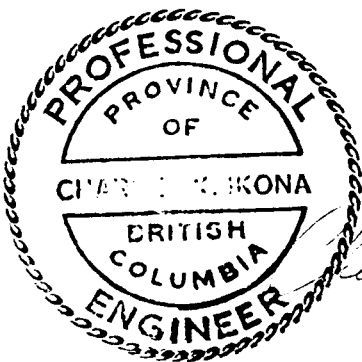
H. S. Ash  
A Commissioner for Oaths for  
or Notary Public  
for the Yukon Territory.

ENGINEERS CERTIFICATE

I, CHARLES K. IKONA of 2614 St. John's St., Port Moody, in the Province of British Columbia do hereby certify that:

1. I am a consulting mining engineer with offices at 609-850 W. Hastings St., Vancouver, B.C.
2. I am a graduate at the University of British Columbia with a degree in Mining Engineering.
3. I am a member in good standing at the Association of Professional Engineers of the Province of British Columbia.
4. The work described in the accompanying report on the Claim Group was performed under my personal supervision.

Dated this 30th day of August 1974 at Vancouver, B.C.



Charles K. Ikona, P. Eng.

A handwritten signature in cursive script that reads "Charles K. Ikona".

Direct Cost Invoices

Helicopter and geochemical support data





HEZIGENTURE LTD

OUR NUMBER	275812
DATE	JUNE 14-74
CUSTOMER'S ORDER	
SALESMAN	R.G. STURGEON
TERMS	
F.O.B.	

SOLD TO: HARMAN MANAGEMENT LTD

Box 4509 WHITEHORSE YUKON

SHIPPED TO \_\_\_\_\_

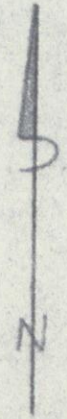
ADDRESS \_\_\_\_\_ VIA C-GHFA.

INVOICE

	HARRY CLAIM	1	2		
	DICK CLAIM	1	2		
	DUB CLAIM.	£	9		
		3	3	27	0







132° 30' W  
64° 25' N



LEGEND

- HADRYNIAN "grit unit"
- Black shale, minor limonite & limy locally shattered
  - Light grey bedded limestone calcite stringers
  - Massively bedded dolomites minor limonite
  - Dark grey limy & sandy shales with narrowly interbedded in areas with grey limestones, brown gr. sandstone minor limonite and some calcite stringers
- T strike and dip
  - + strike, vert. dip
  - ⋯ outcrop bdy.
  - Δ site location ppm Pb, ppm Zn

GEOLOGY AND GEOCHEMISTRY  
DU MINERAL CLAIMS  
64° 25' N 132° 30' W  
BONNET PLUME RIVER AREA Y.T  
106-C/7

DWN C1	Scale 1"=1250'	AUG 1974
HARMAN MGMT LTD.		