



A GEOLOGICAL REPORT ON THE BID CLAIM GROUP

(including Bid 1-6, 19-24, 37-42 and Ace 33 and 34 )

Goz Creek Area - Mayo Mining District

Claim Sheets 106-C-7, 8

64°26'<sup>27</sup> N.Lat., 132°31' W. Long.

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

\$ 4030.02

*L.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

4000<sup>00</sup>

by: T.L. Sadlier-Brown

C. Ikona (P.Eng.)

For Harman Explorations Ltd.

August 14th - August 19th, 1974.

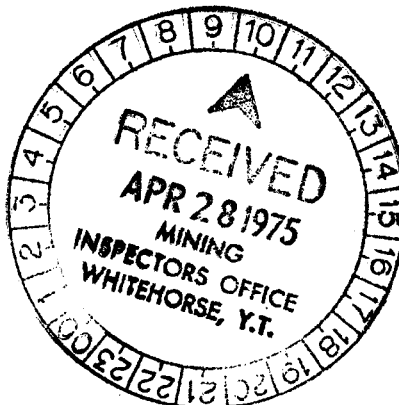


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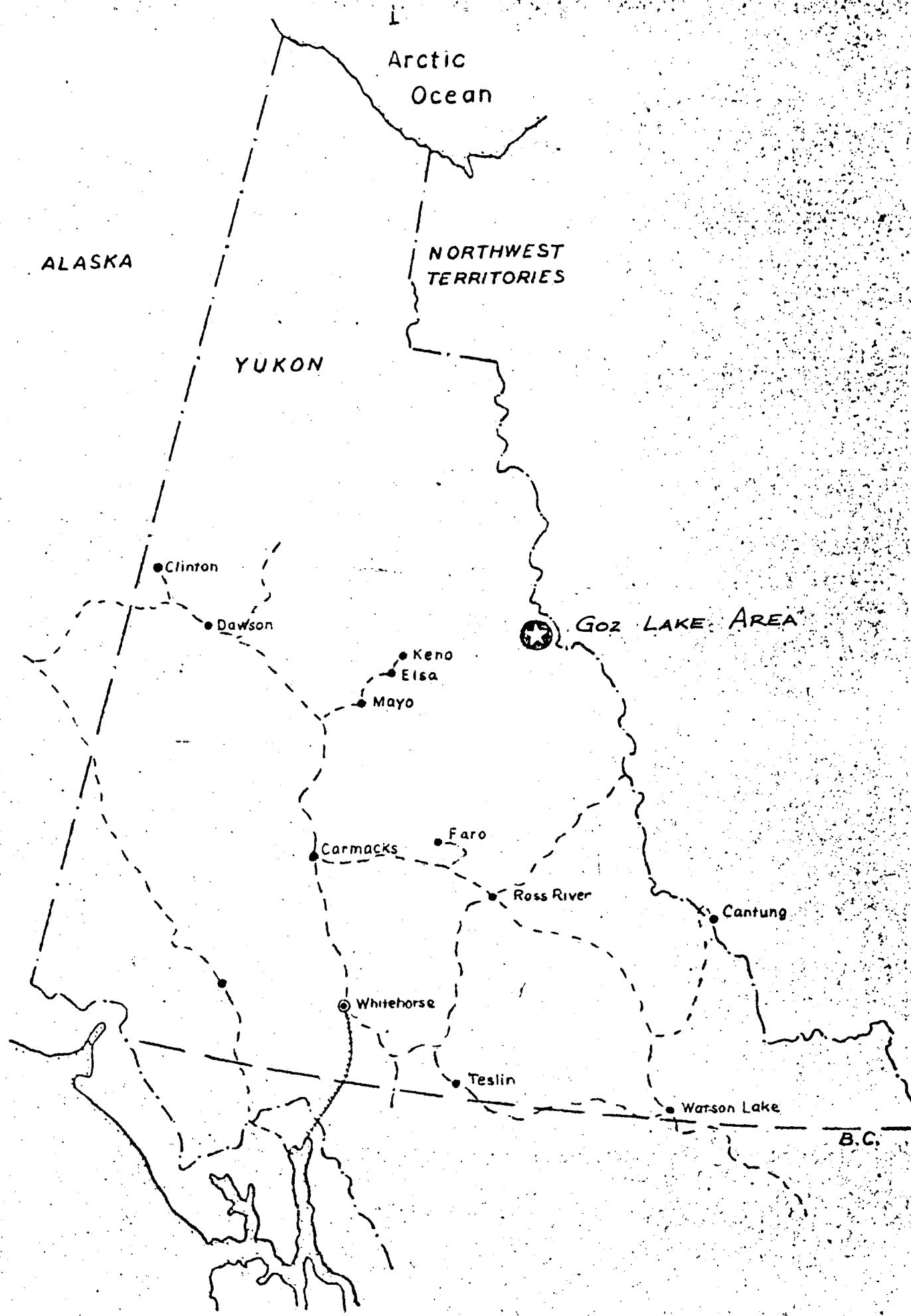
bid

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A) statement of general costs

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Arctic  
Ocean

ALASKA

NORTHWEST  
TERRITORIES

YUKON

Clinton

Dawson

Keno

Elsa

Mayo

GOZ LAKE AREA

Carmacks

Faro

Ross River

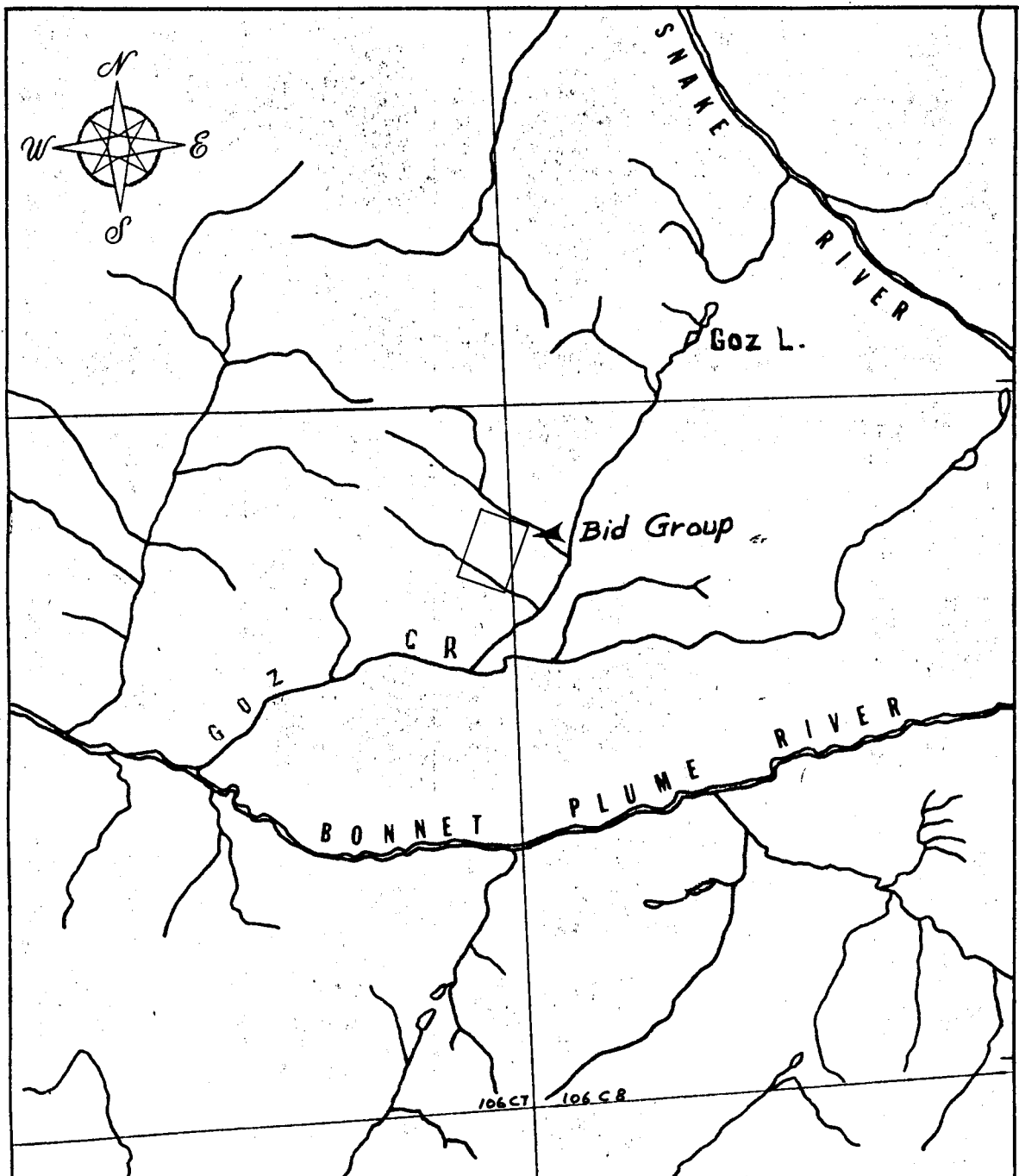
Cantung

Whitehorse

Teslin

Warson Lake

B.C.



Claim Location Map of  
 BID GROUP  
 Bonnet Plume River Area, Yukon  
 (part of NTS sheet 106-C)  
 Scale: 1" to 4 miles  
 August 1974

A GEOLOGICAL REPORT ON THE BID CLAIMS  
MAYO MINING DISTRICT, YUKON TERRITORY

INTRODUCTION

The Bid Claims are located on the south side of an easterly flowing stream which enters Goz Creek four miles above its confluence with Duo Creek in the Mayo Mining District of the Yukon Territory. Co-ordinates of the property are 64° 26' N latitude and 132° 31' W. longitude and the distribution of the claims is shown on Yukon claim sheets 106 - C-7 and 106-C-8. The area under discussion consists of a contiguous block of 20 claims at the western end of the Bid Group and includes two adjoining Ace claims. Names and record numbers are as follows:-

<u>Name</u>	<u>Record No.</u>
Bid 1 - 6	(Y 69952 - Y 69957)
19 - 24	(Y 69970 - Y 69975)
37 - 42	(Y 69988 - Y 69993)
Ace 33, 34.	(Y 85854, Y 85855)

The claims were staked on July 27th, 1973 and become due for renewal on August 21, 1973. They are held by Gentry Oil & Gas Ltd. on whose behalf the work described in this report was done.

Access for the present program was by helicopter from Goz Lakes 8 miles to the northeast. Goz Lakes can be reached by fixed wing aircraft from Mayo, the nearest town 120 miles to the southwest.

HISTORY AND PREVIOUS WORK/

### HISTORY AND PREVIOUS WORK

The area covered by N.T.S. Sheet 106-C-7 has been geologically mapped by the Geological Survey of Canada and coverage is available in preliminary form at a scale of 1:50,000 (G.S.C. Open File 206, June 1974). To the best of the writer's knowledge, however, no detailed work has been carried out on the property prior to the present project.

### SURVEY METHOD

Initial work on the property consisted of three days prospecting by a 2 man crew with conventional methods aided by the use of zinc oxide testing solutions (ferric cyanide and diethylaniline). Geological mapping and examination of showings was carried out as a second phase using both 1:50,000 scale topographical maps and chain and compass lines for control. Data were plotted at a scale of one inch to one thousand feet on the accompanying map.

### PHYSIOGRAPHY AND TOPOGRAPHY

The claim groups straddles a northwest-southeast trending ridge with a maximum elevation somewhat over 6000 feet above sea level. Streams on both sides of the ridge drain southeast to Goz Creek through valleys at elevations of slightly over 4000 feet leaving 2000 feet of relief on the group itself. Above about 5000 feet on both sides of the ridge there is little vegetation but below this level particularly on the north slope where recessive rocks are present, bedrock is generally obscured by talus, grass, and buckbrush.

### GEOLOGY/

## GEOLOGY

With the exception of the most northerly parts of the property the Bid claims are underlain by southerly dipping buff weathering grey dolomite of the Backbone Range Formation. On Bid 37, 39, and 41 and on Ace 33 and 34 an underlying brown shale and siltstone unit is exposed. It is probably Hadrynian (Upper Proterozoic) in age and may represent part of the Rapitan Formation. It dips moderately to the south and is apparently unconformably overlain by the Backbone Range dolomites. Elsewhere in the general area a considerable thickness of quartzite interbedded with thin beds of dolomite and shale lie at the base of the Backbone dolomites. These are not present on the Bid Group though suggesting that the contact between the shales and the overlying dolomites may in fact be a fault.

The dolomites tend to dip moderately ( $20^{\circ}$  to  $30^{\circ}$ ) south and southwest and are in excess of 3000 feet thick. They are locally fossiliferous and brecciated but for the most part are massive or very thickly bedded. Brecciation fracturing and silicification were observed both on the south and north slopes of the ridge and appear confined to a band or sub-member within the main dolomitic member itself. Related quartz veining was observed mainly in the areas of the western part of the Bid #1 claim and on Bid # 19.

## MINERAL OCCURRENCES

On claim 1 on the south slope of the ridge a few isolated quartz veins within the fractured member were found to react positively to the zinc oxide testing solution. No sulphides were observed, however, and the small size of the occurrences limits their economic significance in any case.

On the north side of the ridge at an elevation of about 5400 feet and at or near <sup>1</sup> the west boundary of the Bid # 19 claim the prospecting crew/

<sup>1</sup> - Initial posts for Bid 19 and 20 were found on a talus slope some distance below (north of) their original position which can now only be approximately determined. The breccia zone may therefore lie on open ground just west of the property.

crew located a quartz filled dolomite breccia in which several positive Zn reactions were obtained. The zone, like the fractured areas on the south slope, lies within the pervasively fractured sub member observed here between elevations of about 5200 and 5500 feet. The breccia forms an irregularly shaped pod or pods 30 to 40 feet across. Its margins are not distinct as it gives way to fractured dolomite and further testing with ferric cyanide - diethylaniline revealed that the secondary Zn minerals are present in the relatively undisturbed dolomite to the east as well as in the breccia. No sphalerite, however, was recognized, but very small amounts of pyrite are present in and near the quartz breccia fillings and veins.

Three chip samples were taken in a south to north direction down the slope (at an angle of about 40°) and across the breccia zone. They were sent to Vangeochem Lab Limited in North Vancouver for assaying and gave the following results:-

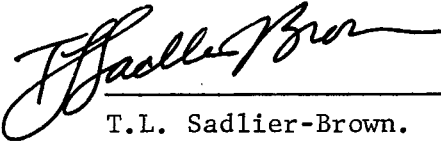
		Pb	%	Zn	%
No. 16758	south 10 foot section	0.01		0.175	
16759	middle "	0.01		0.044	
16760	north "	0.01		0.019	

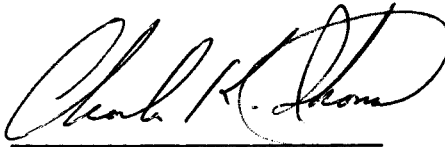
CONCLUSIONS AND RECOMMENDATIONS

The values in the samples from the breccia zone on the north slope are not sufficiently high to warrant physical follow up work such as drilling or trenching. The zone itself, as presently recognized, does not appear large enough to be of economic importance. Its presence within this fractured sub member, however, suggests that this unit could host others like it or possibly larger. The present prospecting program was carried on throughout the claim group with no priorities assigned to particular rock units. Additional prospecting/

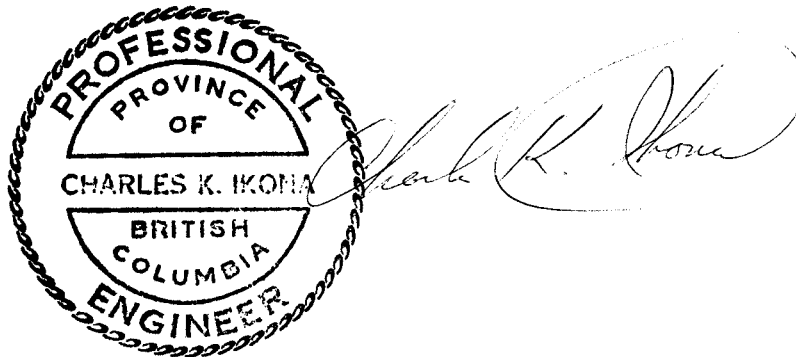
prospecting solely within the fractured rocks might reveal more interesting mineralization and should be carried out.

Respectfully Submitted:

  
T.L. Sadlier-Brown.

  
C. Ikona, P.Eng.

TLSB/jh.

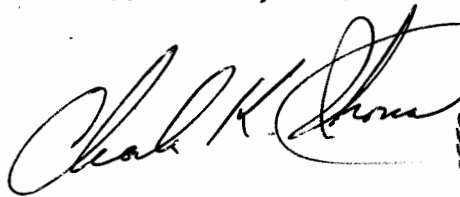


ENGINEERS CERTIFICATE

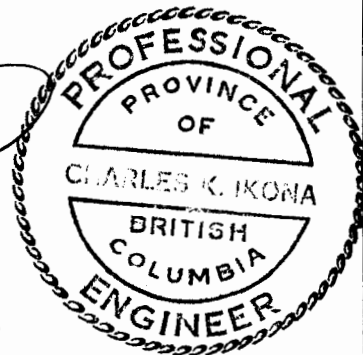
I, CHARLES K. IKONA of 2614 St. John's St., Port Moody, in the Province of British Columbia do hereby certify that:

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.



List of personnel for the Bid Group:

W. Cain	General Delivery Whitehorse	August 15 - 17
S. Toporowski	812 Seafair Place Richmond B.C.	August 15 - 18
T.S. Brown	1307 Harwood St. Vancouver B.C.	August 16/17 25-27

BID MINERAL CLAIMS

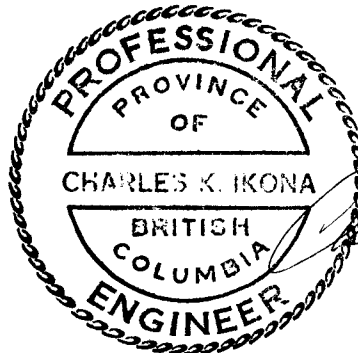
STATEMENT OF ACCOUNT EXP. TO DATE  
AUG. 27, 1974

Direct Costs:

wages	8 man-days	\$400.00	
tagging posts	85 claims	120.00	
geological fees	Tim Sadlier Brown	700.00	
helicopter support	C. Ikona (est)	796.00	
geochem samples	13 samples	27.00	
field equip. expense	\$ 6.00/man/day	78.00	
camp dost expense	10.00/man/day	<u>130.00</u>	
		2,251.00	2,251.00

PRO-RATA GENERAL EXPENSES

equipment supply depreciation	121.86	
contracts and rentals	11.92	
wages (mob/demot/cook)'	316.87	
food	per diem	
fuels	per hour	
helicopter (general)	360.22	
fixed wing (general)	315.53	
travel	24.52	
sundry and admin.	217.85	
geochem supplies	13.89	
expediting services	112.22	
air travel and airfreight	<u>48.98</u>	
	1,543.86	<u>1,543.86</u>
Sub total		3,794.86
Harman Exploration Ltd. fee		<u>570.00</u>
Total expenditures to date		<u>4,364.86</u>



CANADA) In the matter of a geological and geochemical survey  
 ) and report on the Bid 1-6, 19-24, 37-42 and Ace 33 & 34 mineral claim  
 ) on behalf of Gentry Oil and Gas Ltd  
 TO WIT: )

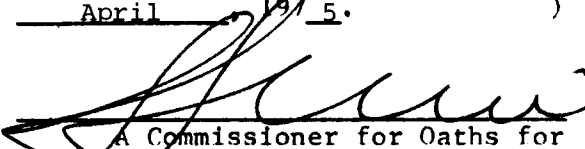
I, Timothy Brock of Harman Management Ltd., of 506 - 675 West Hastings street, Vancouver, B.C. do solemnly declare that a geological, geochemical and prospecting program was carried out on the Bid and Ace mineral claims as outlined above during the period August 1 to 31, 1974

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

wages	\$	400.00	
tagging posts		120.00	
geologic fees		700.00	
helicopter support		796.00	
geochemical samples		27.00	
field equipment expense		78.00	
camp cost expense		130.00	
equipment supply depreciation		121.86	
contracts and rentals		11.92	
wages		316.87	
fuels		per diem	
helicopter		per hour	
fixed wing		360.22	
travel		315.53	
sundry and administration		24.52	
geochem supplies		217.85	
expediting services		13.89	
air travel and airfreight		112.22	
(include Harman Management fee 570.00)		48.98	\$ 4,364.86
TOTAL			

And I make this solemn 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 virtue of the Canada Evidence Act.

Declared before me at Vancouver )  
 in the Province of British )  
 Columbia this 14 day of )  
April 1975 )

  
 A Commissioner for Oaths for  
 or Notary Public  
 for the Prov. of B.C.



Direct Cost Invoices

Helicopter and geochemical support data

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	BID GROUP.			.4	
	KING GROUP			.3	
	CHRISTOLM PROJECT.		1	.8	
			5	1	281 3





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**Certificate of Analyses**

• Specialising in Trace Elements Analyses •

-IN ACCOUNT WITH-  
 Harman Management Ltd.  
 #821 - 602 West Hastings St.  
 Vancouver, BC

Report No: 74-45-005 Page 1 of 1  
 Samples Arrived: Aug. 26, 1974  
 Report Completed: Sept. 4, 1974  
 For Project: --  
 Analyst:  
 Invoice # 3085

Attention:

Sample Marking	Pb	Zn				
16758	0.010	0.175				
16759	0.010	0.044				
16760	0.010	0.019				

MASTER PRINTING LTD.

REMARKS:

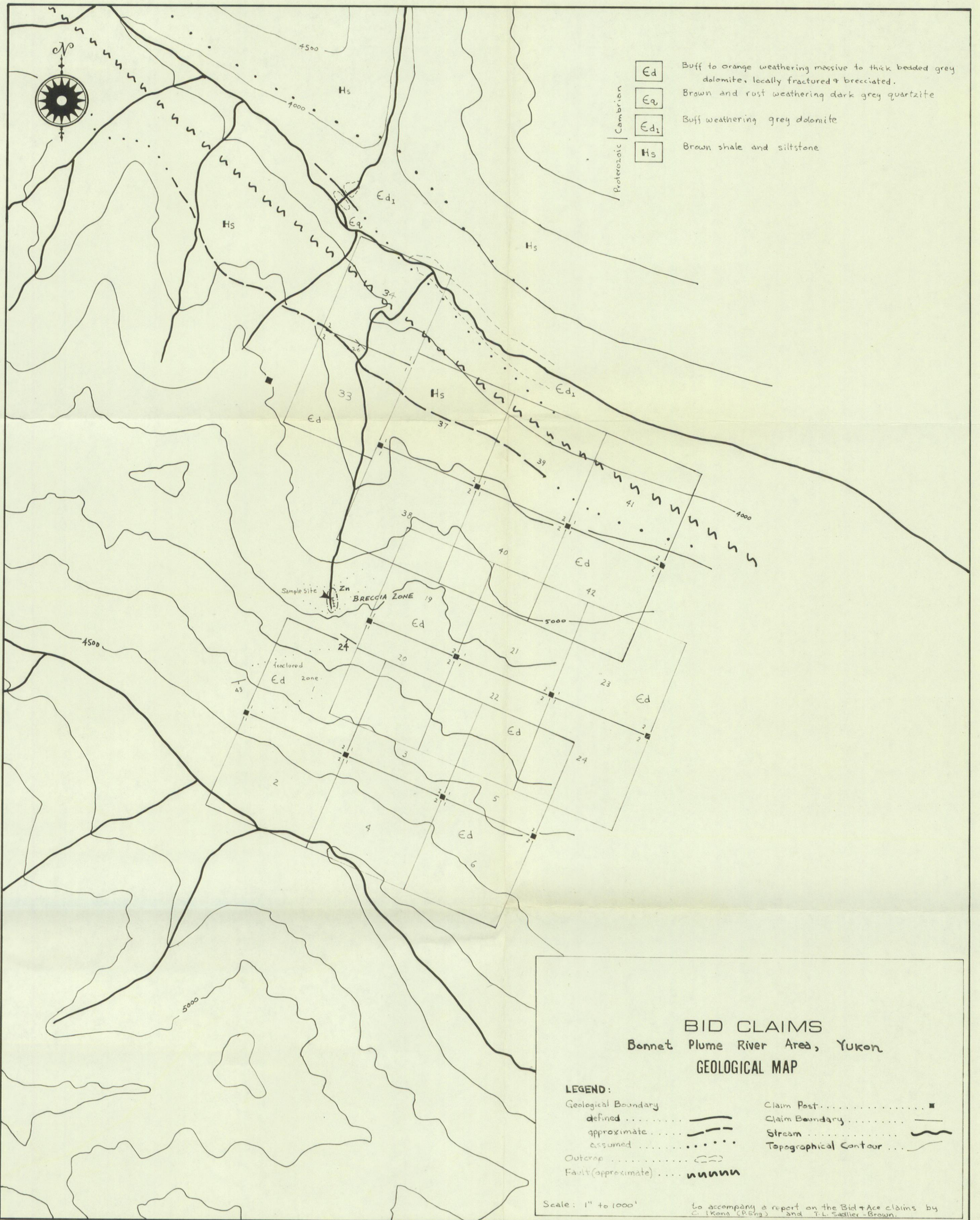
Two copies of the reports sent to Mr. T. L. Sallier-Brown  
 One copy of the report with invoice sent to Harman Manag.

*Edgawal*  
 Signed: \_\_\_\_\_

B.C. Certified Assayer

% Mo x 1.6683 = % MoS<sub>2</sub>      1 Troy oz./ton = 34.28 ppm      1 ppm = 0.0001%      nd = none detected      ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



Proterozoic Cambrian	Ed	Buff to orange weathering massive to thick bedded grey dolomite, locally fractured & brecciated.
	Ea	Brown and rust weathering dark grey quartzite
	Ed <sub>1</sub>	Buff weathering grey dolomite
	Hs	Brown shale and siltstone

**BID CLAIMS**  
Bonnet Plume River Area, Yukon  
**GEOLOGICAL MAP**

**LEGEND:**

Geological Boundary defined .....		Claim Post .....	
Geological Boundary approximate .....		Claim Boundary .....	
Geological Boundary assumed .....		Stream .....	
Outcrop .....		Topographical Contour .....	
Fault (approximate) .....			

Scale: 1" to 1000'  
to accompany a report on the Bid + Ace claims by C. I. Ross (P. Eng.) and T. L. Sadler-Brown.