

MAP NO.: ASSESSMENT REPORT X
115 F15 PROSPECTUS
~~105-D-3~~ CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092704
MINING DISTRICT: Whitehorse
TYPE OF WORK: Geological, Geochemical

REPORT FILED UNDER: Carlyle Geological Services Ltd.

DATE PERFORMED: 15 - 20 June, 1988

DATE FILED: 12 April, 1989

LOCATION: LAT.: 61 50' N

AREA: ~~Whitehorse~~ Moose Creek

LONG.: 140 32' W

VALUE \$: 2000.00

CLAIM NAME & NO.: PGMB 1-4 (YB20169-172)

WORK DONE BY: Larry W. Carlyle

WORK DONE FOR: Carlyle Geological Services Ltd.


DATE TO GOOD STANDING:

REMARKS: #41 LEP

Work in 1988 included magnetometer, IP survey and geochemical surveys. Four coincident nickel-cobalt-copper anomalies were associated with northwest-trending magnetic and IP anomalies related to pyroxenite and gabbro dykes and sills intruding Permo-Pennsylvanian sedimentary and volcanic rocks.

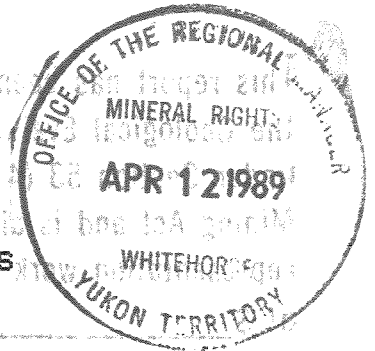
105880

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 2000.00

for 
Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

092704

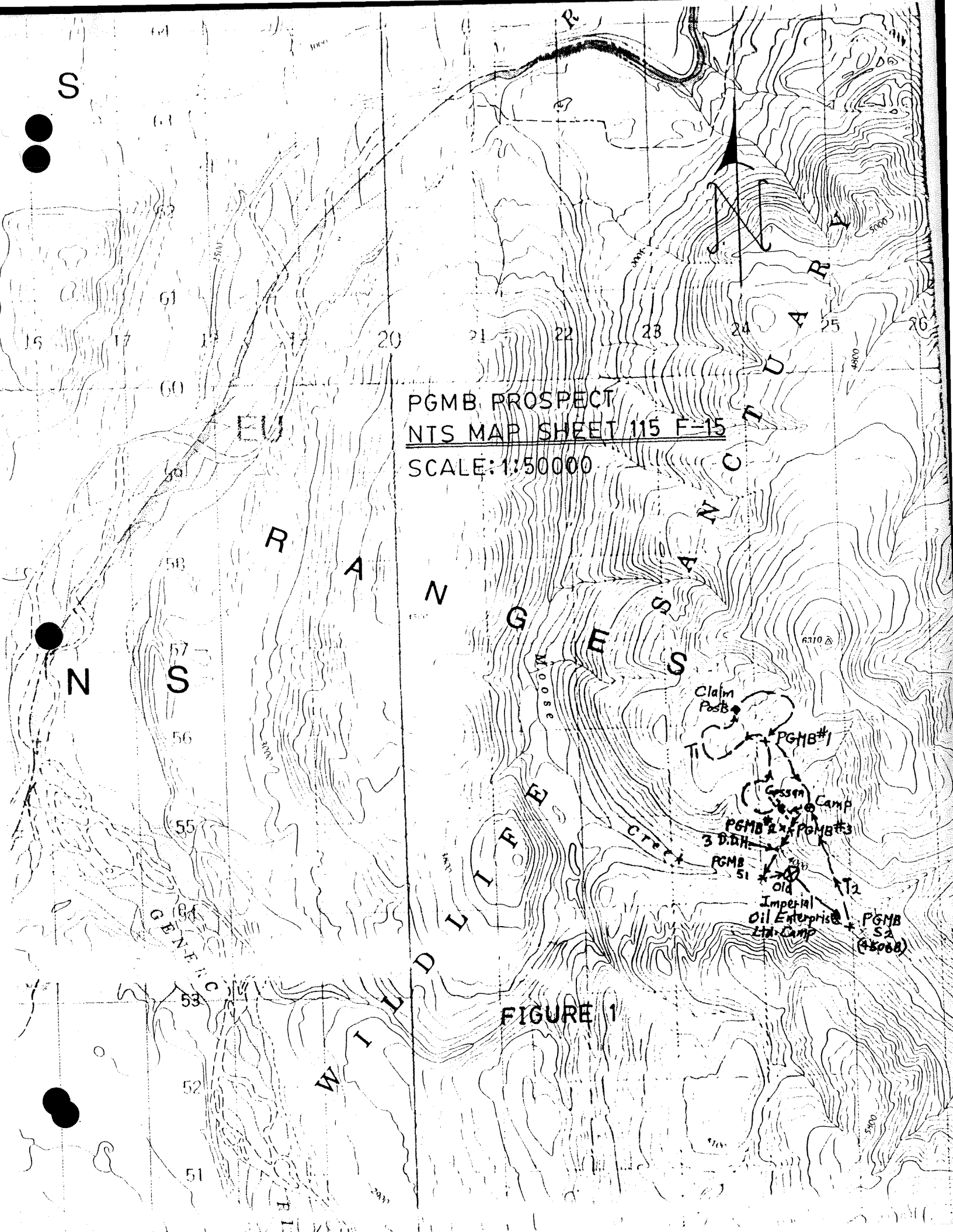
ASSESSMENT REPORT ON THE PGMB 1 TO 4 CLAIMS



The area staked as the PGMB Claims was identified as an area of potential interest during the development of the 1988 prospecting program. The PGMB area is east of Moose Creek on NTS Map Sheet 115 F-15. The area which includes these claims was originally staked as the LEP Claims by Imperial Oil Enterprises Ltd. in June, 1969. This company conducted geological mapping and geochemical, magnetic and induced polarization surveys. This work was followed by the drilling of 106 feet of EX core in six diamond drill holes.

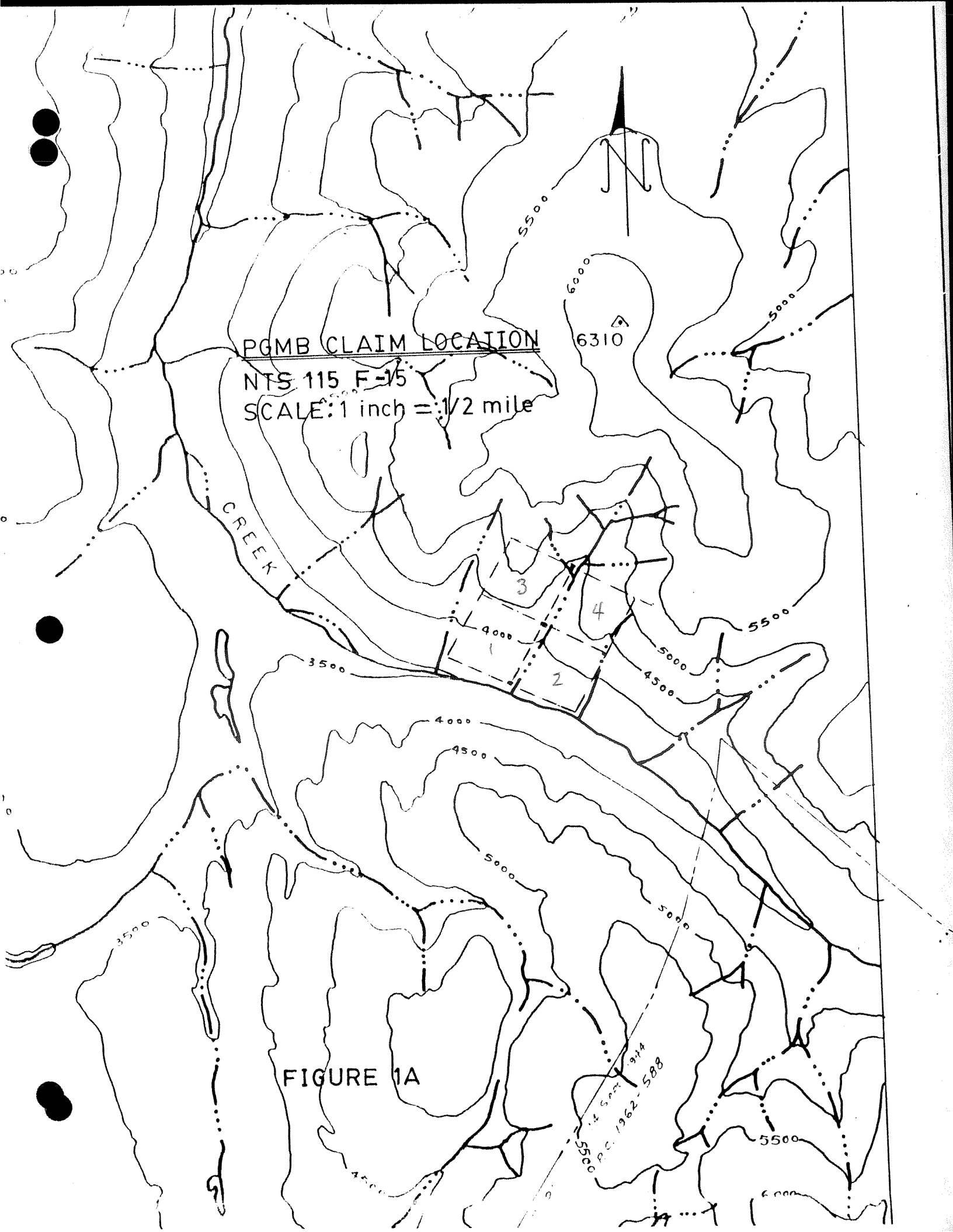
The prospect was visited from June 15, 1988 to June 20, 1988. The prospect area is underlain by volcanics and sediments of probable Permian-Triassic age. These have been intruded by ultrabasic/basic and dioritic (?) dykes. The volcanics are composed of rhyolites, andesites and basalts. Overlaying these are limestones (marble in areas of mineralization); cherts; siltstones and shales; and quartzites. The sediments generally strike NW/SE and dip steeply NE. The basic intrusives are concordant to the layering in the sediments, while the diorites tend to cross-cut the units.

The magnetometer survey outlined five NW/SE trending anomalies. Two of these are quite strong, and coincide with the pyroxenite-gabbros. The I.P. survey outlined three anomalous zones that appear to be the southern continuation of the structures or units outlined by the magnetometer survey. One of the I.P. anomalies is open to the south and may be the edge of an ultrabasic/basic



PGMB PROSPECT
NTS MAP SHEET 115 F-15
SCALE: 1:50000

FIGURE 1



PGMB CLAIM LOCATION

NTS 115 F-15

SCALE: 1 inch = 1/2 mile

CREEK

FIGURE 1A

1/2 sec. 914
P.C. 1962-588

intrusive plug.

The grid used for the magnetometer survey was also used for the geochemical survey. Samples were assayed for Cu, Ni and Co. Seven copper anomalies and five Ni-Co anomalies were outlined. Four anomalies are coincident in Cu and Ni-Co. Two of these anomalies also overlie magnetic anomalies and are on trend with I.P. anomalies.

During the prospect visit, the irregular 30 foot long replacement pod of sphalerite, pyrite and chalcopyrite located and drilled by Imperial Oil Enterprises Ltd. was found. Carlyle staked the PGMB 1 to 4 Claims to cover this replacement pod and the others found in the area (See Figures 2 - 3). The various pods have been sampled and assayed for silver, gold and copper. Several rock grab samples and two stream sediment samples were also taken from the area. The rock samples were analysed for the same three elements. The stream sediment samples were analysed for "Pt + 6"

Three of the diamond drill holes drilled by Imperial Oil Enterprises Ltd. were located (Figure 1). None of the holes drilled into the Main Showing were found. Prospecting in the area confirmed the geological mapping done by Imperial Oil (Figure 3).

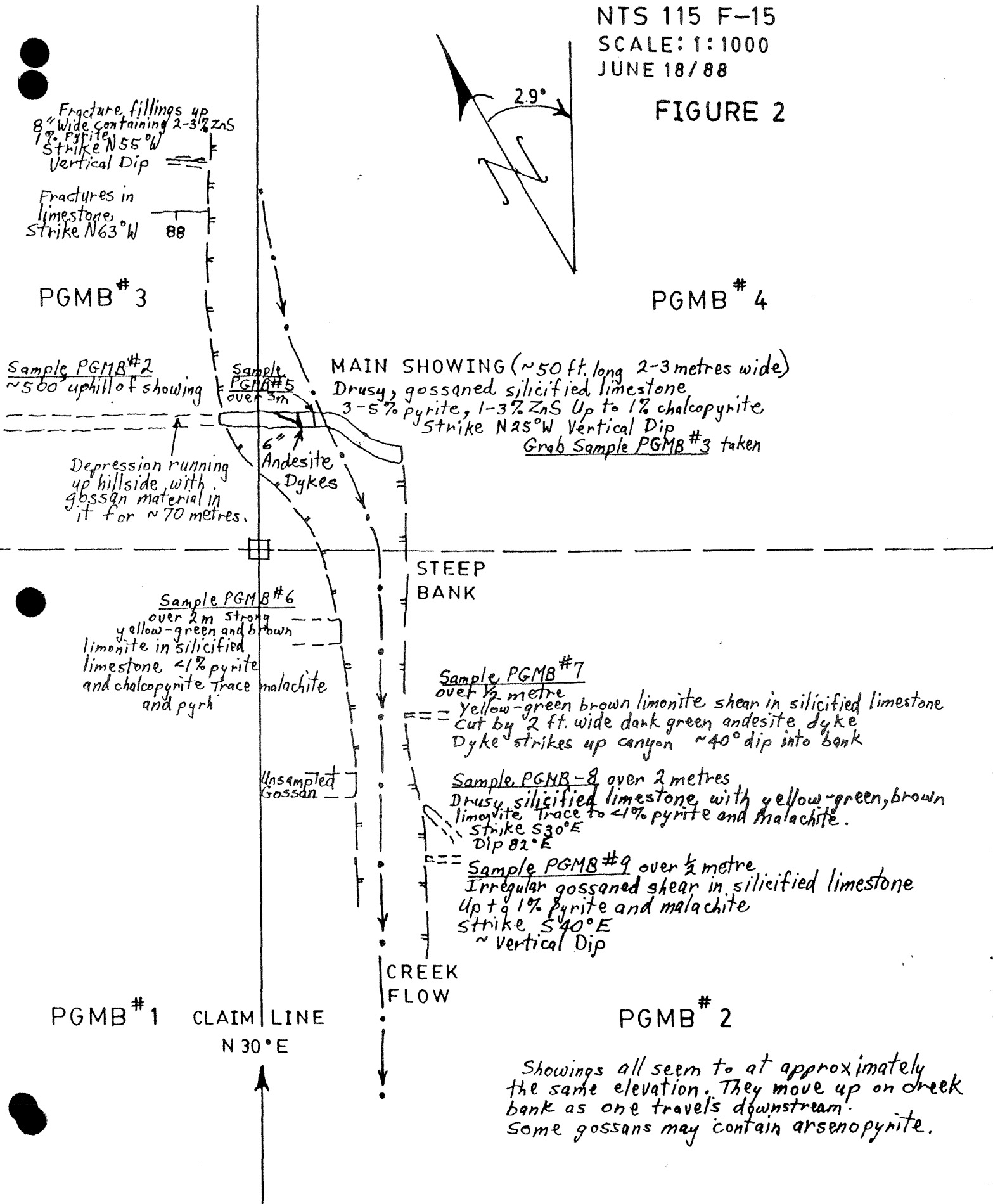
PGMB SHOWING SKETCH

NTS 115 F-15

SCALE: 1:1000

JUNE 18/88

FIGURE 2



PRELIMINARY GEOLOGY

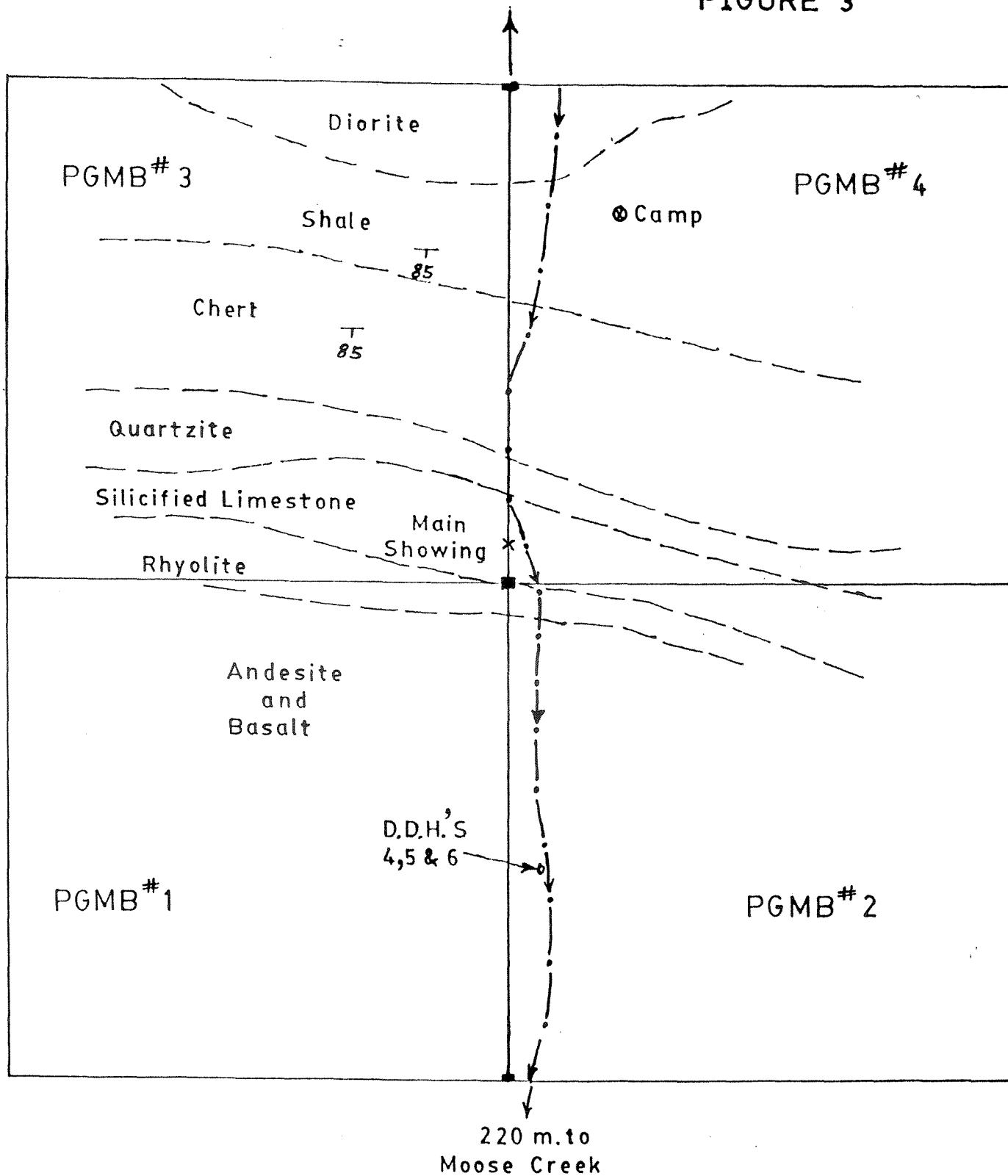
PGMB CLAIMS 1 to 4

NTS 115 F-15

SCALE: 1:5000

Claim Line
N30°E

FIGURE 3



CONCLUSIONS AND RECOMMENDATIONS:

1. Additional claims should be staked to protect the areas which contain the coincident I.P., magnetic and soil anomalies.
2. New work in the area should consist of stream sediment and soil sampling and VLF-EM surveys. This work may confirm the presence of the Imperial Oil anomalies so trenching and drilling could follow.

PROPOSED 1989 BUDGET

Helicopter	\$ 2,500.00
Wages and Benefits	\$ 7,000.00
Food and Lodgings	\$ 1,400.00
Analyses	\$ 2,500.00
Fuel and Supplies	\$ 1,200.00
Contingencies	\$ 3,000.00

Total	\$ 17,600.00

1988 STATEMENT OF COSTS

Helicopter	\$ 2,440.00
Wages and Benefits	\$ 1,050.00
Food and Lodgings	\$ 600.00
2-way Radio and Licence	\$ 50.00
Analyses	\$ 230.25
Fuel and Supplies	\$ 70.00

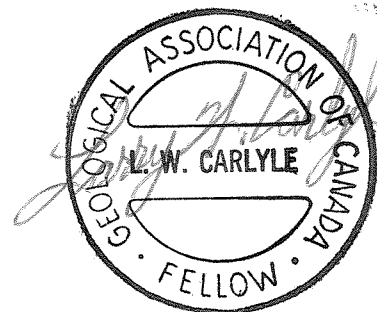
Total	\$ 4,440.25

STATEMENT OF QUALIFICATIONS

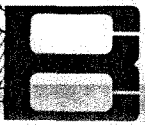
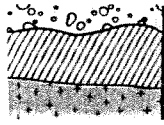
I, LARRY W. CARLYLE, do certify:

1. That I am a professional geologist operating a business registered as CARLYLE GEOLOGICAL SERVICES LTD. with an office at 74 Tamarack Drive, Whitehorse, Yukon Y1A 4Y6.
2. That I hold a B. Sc. degree in geology from the University of British Columbia (1970).
3. That I am a Fellow of the Geological Association of Canada (F - 4355).
4. That I am a Registered Professional Geologist in the Association of Professional Engineers, Geologists and Geophysicists of the Province of Alberta (41097).
5. That I am a Member of the Canadian Institute of Mining and Metallurgy.
6. That I have practiced my profession as a mine and exploration geologist for fifteen years.
7. That the conclusions and recommendations in the attached report are based on work done or supervised by the writer.
8. That the PGMB Claims 1 to 4 are totally owned by Larry W. Carlyle.

DATED at Whitehorse, Yukon, this 10th day of April, 1989.



B. Clegg & Company Ltd.
Pemberton Ave.
11th Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667



BONDAR-CLEGG

**Geochemical
Lab Report**

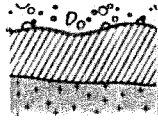
REPORT: V88-05626.0

PROJECT: NONE GIVEN

PAGE 1D

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Cu PPM	Co PPM	Cr PPM	Ni PPM
S1 000-000						
S1 R000-000						
T1 PGMB S1		153	104	13	55	43
T1 PGMR S2		50	67	18	98	55

Bondar & Clegg & Company Ltd.
1100 West 10th Ave.
Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667



BONDAR-CLEGG

**Certificate
of Analysis**

REPORT: V88-05626.4

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Cu PCT
R2 PGMB 1		0.004	0.29	0.01
R2 PGMB 2		0.007	0.06	<0.01
R2 PGMB 3		0.002	0.02	0.03
R2 PGMB 4		0.004	<0.02	1.07
R2 PGMB 5		0.012	0.11	0.18
R2 PGMB 6		0.010	0.14	0.21
R2 PGMB 7		0.002	0.02	0.17
R2 PGMB 8		<0.002	0.02	0.02
R2 PGMB 9		0.002	0.02	0.79


Registered Assayer, Province of British Columbia



TRANS NORTH AIR

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AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A
TELEPHONE (403) 688-2177 FAX (403) 688-3420

REMIT PAYMENT TO:
Harry W. Carlyle
CHARTERER
74 Tamarack Drive
BILLING ADDRESS
Whitehorse, Yukon Y1A 4Y6

ACCOUNT NUMBER	
INVOICE NUMBER	81438
INVOICE DATE	
A/C TYPE	206-B
AIRCRAFT REGISTRATION C.	GTNS
FLIGHT DATE	15 06 88
PURCHASE ORDER NO.	

FUEL & OIL-X	TNTA FUEL USED	HRS./LITRES	FROM
TNTA CUST.	0049UK.	2.0 HJ	

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS.	FREIGHT Kg
H.S.					
MOOSE CR.					
H.S.		2.0			
<i>Part by Super</i>					
<i>Proceding # 049</i>					
<i>Assistance</i>					
2.0					

SUB	GL	AMOUNT
		@ 550 \$1100.00
		@
		@
		@

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X *Harry W. Carlyle*
CHARTERER'S SIGNATURE

Dem
INITIALS

PILOT'S SIGNATURE

CO-PILOT'S NAME

ENGINEER'S NAME

CYCLES

WAITING TIME	@	/HR.		
FUEL: 44 gal.	@ 2.73	/LITRE	\$120	.00
FUEL:	@	/LITRE		
MEALS & LODGING				
OTHER				
OTHER				

TOTAL \$ 1220.00

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

FLIGHT REPORT - CUSTOMER'S COPY

PGMB
\$2440.00

Cheque # 49



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 TRANS NORTH AIR LTD.
 AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4
 TELEPHONE (403) 668-2177 FAX (403) 668-3420

LARRY W. CARLYLE.

CHARTERER

74 TAMARACK DR.

BILLING ADDRESS

WHITEHORSE, YUKON.

FUEL & OIL X TNTA CUST.	TNTA FUEL USED CUST.	HRS./LITRES	FROM
<input checked="" type="checkbox"/>	<i>Orinville</i>	1.7	BUENAVIA

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS.	FREIGHT Kg
SLIMS L.					
MOOSE CR.					
STEAR L.					
SLIMS L.		1.7		2 pax.	
Prospector Assistance					
PAID BY CHEQUE #50					
<i>[Signature]</i>					
1.7					

SUB	G.L.	AMOUNT
		@ 550 935 -
		@
		@
		@

TERMS: PAYABLE UPON RECEIPT OF INVOICE. 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.		WAITING TIME @ /HR.
<i>Larry W. Carlyle</i> CHARTERER'S SIGNATURE		FUEL: @ /LITRE
<i>[Signature]</i> PILOT'S SIGNATURE		FUEL: 170 @ .60 LITRE 102 -
INITIALS	CO-PILOT'S NAME	MEALS & LODGING
		OTHER
	ENGINEER'S NAME	OTHER
	CYCLES	
TOTAL \$ 1037 -		

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

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 TELEPHONE (403) 668-2177 FAX (403) 668-3420

LARRY W CARLYLE

CHARTERER

74 TAMARACK DR.

BILLING ADDRESS

WHITEHORSE YUKON

FUEL & OIL X TNTA CUST.	TNTA FUEL USED CUST.	HRS./LITRES	FROM
<input checked="" type="checkbox"/>	H.J.		

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS.	FREIGHT Kg
H.J.					
STEELE CR.				LARRY	
BYRWASH.				PLUS JOHN.	
H.J.		1.7			
Prospector Assistance					
PAID BY CHEQUE #50					
<i>[Signature]</i>					
1.7					

SUB	G.L.	AMOUNT
		1.7 @ 550 935 -
		@
		@
		@

TERMS: PAYABLE UPON RECEIPT OF INVOICE. 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.		WAITING TIME @ /HR.
<i>Larry W. Carlyle</i> CHARTERER'S SIGNATURE		FUEL: @ /LITRE
<i>[Signature]</i> PILOT'S SIGNATURE		FUEL: 170 @ .60 LITRE 102 -
INITIALS	CO-PILOT'S NAME	MEALS & LODGING
		OTHER
	ENGINEER'S NAME	OTHER
	CYCLES	
TOTAL \$ 1037 -		

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

FLIGHT REPORT - CUSTOMER'S COPY



Bondar-Clegg & Company Ltd.
 5420 Canotek Road
 Ottawa, Ontario
 K1J 8X5
 (613) 749-2220 Telex 053 3233

Invoice : V049891, Page 1

CARLYLE GEOLOGICAL SERVICES
 74 TAMARACK DRIVE
 WHITEHORSE, Y.T.
 Y1A 4Y6

Date : 15-AUG-88

Report No: V88-05626.4
 Project : NONE GIVEN
 Reference:

WHSE

9 Analyses of GOLD/SILVER	at \$12.75	\$ 114.75	\$ 114.75
Silver			
Gold			
9 Analyses of Copper	at \$ 6.25	\$ 56.25	
Subtotal		\$ 56.25	\$ 56.25
Sample Preparation			
9 Samples of ASSAY PREP	at \$ 3.75	\$ 33.75	
Subtotal		\$ 33.75	\$ 33.75
Invoice Total:			\$ 204.75 Cdn

PAID SEP 2 1988

PAID BY CHEQUE #78

GR

Prospector Assistance

PGMB

RECEIVED AUG 19 1988



Bondar Clegg & Company Ltd.
 5420 Canotek Road
 Ottawa, Ontario
 K1J 8X5
 (613) 749-2220 Telex 053 3233

CARLYLE GEOLOGICAL SERVICES
 74 TAMARACK DRIVE
 WHITEHORSE, Y.T.
 Y1A 4Y6

Invoice : V050448, Page 1
 Date : 24-AUG-88
 Report No: V88-05626.0
 Project : NONE GIVEN
 Reference:

2 Analyses of "PLATINUM + 6" GROUP at \$21.00 \$	42.00	\$	42.00
Cobalt	Chromium (Acid Sol.)		
Copper	Nickel		
Gold - Fire Assay	Palladium		
Platinum			

2 Analyses of ICP - 31 ELEMENT at \$ 7.60 \$	15.20	\$	15.20
Silver	Arsenic		
Boron	Barium		
Beryllium	Bismuth		
Cadmium	Cerium		
Cobalt	Chromium		
Copper	Gallium		
Lanthanum	Lithium		
Molybdenum	Niobium		
Nickel	Lead		
Rubidium	Antimony		
Scandium	Tin		
Strontium	Tantalum		
Tellurium	Thallium		
Vanadium	Tungsten		
Yttrium	Zinc		
Zirconium			

PAID SEP 2 1988

Sample Preparation			
4 Samples of DRY, SIEVE -80	at \$ 1.00 \$	4.00	
2 Samples of BATCH SURCHARGE	at \$ 2.50 \$	5.00	
Subtotal		\$ 9.00	\$ 9.00

Invoice Total: \$ 66.20 Cdn.

- ASSAY COUPON DISCOUNT (on 2 "Pt+6")

22.00

NET

\$ 44.20

PAID BY CHEQUE # 78

GR

THIS IS A PROFESSIONAL SERVICE
 ACCOUNTS DUE WHEN RENDERED

Exploration Intensive Program

\$25.50 PGMB