



GEOCHEMICAL -- GEOLOGICAL

ASSESSMENT REPORT

BAR CLAIMS 1-16 (YA63348 - YA63363)

63°19'N 131°00'W

MAYO MINING DISTRICT

105-0-7

JUNE 15 TO JULY 1, 1982

G. FRASER

SEPT 1982

091375



This report has been examined by
the Geological Evaluation Unit
under Section 55 of the Quartz
Mining Act. The expenses
represented here are in the amount
of \$ 7,200-.

P. Watson

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

TABLE OF CONTENTS

	<u>PAGE</u>
1. INTRODUCTION.....	1
2. LOCATION AND ACCESS.....	1
3. PERSONNEL.....	1
4. CLAIM OWNERSHIP.....	2
5. GEOLOGY.....	2
6. GEOCHEMISTRY.....	6
7. CONCLUSIONS AND RECOMMENDATIONS.....	7
BIBLIOGRAPHY.....	8

APPENDIX I - REVIEW OF EXPENDITURES AND RECEIPTS 1982

APPENDIX II- QUALIFICATIONS G. FRASER

LIST OF FIGURES

Figure #

1	BAR CLAIMS A REA GEOLOGY.....	4
2	BAR GRID NO. 30 GEOCHEMISTRY-GEOLOGY.....	at back in folder

1. INTRODUCTION:

The BAR Claims 1-30 were staked in late June 1981 and recorded on July 22, 1981. The claims were staked to cover bedded barite showings in favourable Devonian geology found during the 1979 field season.

The claim group was explored between June 26 and July 3, 1982. Work consisted of soil geochemistry, rock geochemistry, geological mapping and hand trenching.

A small soil grid was established to cover the barite horizon in overburden covered areas. The baseline was run parallel to the strike of the barite horizon. Transverse section lines were run at 100 meter intervals. One hundred and one soil samples were collected at 50 meter intervals along the section lines. Soil samples were analyzed for Cu/Pb/Zn/Ag/Ba content in parts per million.

Rock samples were collected from available outcrop and two hand trenches were dug to expose more of the barite showings. Channel samples were collected across the trenches. Rock samples were analyzed for Cu/Pb/Zn/Ag/Ba contents in parts per million.

Geological mapping was limited to the extent of outcrop exposure. Outcrop showings were tied into the soil grid.

All results and data were compiled at the Whitehorse office of Hudson Bay Exploration and Development Company Limited.

2. LOCATION AND ACCESS:

The BAR Claims (1-30) are located in the Mayo Mining District on claim sheet 105-0-7 approximately centered at 131°00' 63°20'.

The claim group is situated approximately 26 miles west and north of the Macmillan Pass airstrip on the North Canal Road 140 miles north of Ross River.

Transportation to the claim group was provided by Northern Mountain Helicopters.

3. PERSONNEL:

The following personnel were employed by Hudson Bay Exploration and Development in the summer of 1982 and worked on the BAR Claims assessment:

G. Fraser	Project Geologist
R. Deklerk	Field Geologist

R. Chippett Field Assistant
R. Conner Field Assistant

4. CLAIM OWNERSHIP:

This assessment report covers the claim group BAR 1-16 (YA63348-YA63363). See location map on Figure 2. The total number of claims is 16. All claims are owned by Hudson Bay Exploration and Development Company Limited of 100-10 Burns Road, Whitehorse, Yukon Territory. Y1A 4Y9.

5. GEOLOGY:

See Figure 1 for BAR Claims Area Geology and the accompanying legend.

The geology of the BAR Claims and surrounding area is part of a paleo-channel that delivered sediments and debris to the Tom paleo-sub basin (Stroshein, 1982). It is an area that is complex both stratigraphically and structurally. The BAR Claims are located near the contact of the North and Central "Blocks" of the Macmillan Fold Belt (Abbott, 1982). The North Block represents thrust sheets of Cambro-Ordovician and older units, overriding highly folded Devonian stratigraphy of the Central Block (Abbott, 1982).

The oldest rocks in the area occur to the north of the BAR claims. This unit is comprised of wispy grey laminated brown mudstone (6Op). These rocks are part of a possible thrust sheet, which rides over younger Road River and Earn group rocks.

A thin slice of Road River shaley limestone (SDS) appears northeast of the BAR claims. These rocks are characterised by graptolites and one hole crinoids.

Overlying the Road River Group are members of the Earn Group.

The lower Earn group consists of 4 members. The oldest member is a thin but well-bedded dark blue chert (emDpt). The chert member is overlain by brown weathering, thinly laminated grey to brown shale and siltstone (muDps). Massive, resistant, grey weathering chert pebble conglomerate (muDcg) overlies the shales and siltstones. The chert pebble conglomerate is composed of a dark grey chert matrix with clasts of primarily chert and lesser argillite. Stratigraphically overlying the chert pebble conglomerate is well bedded dark blue

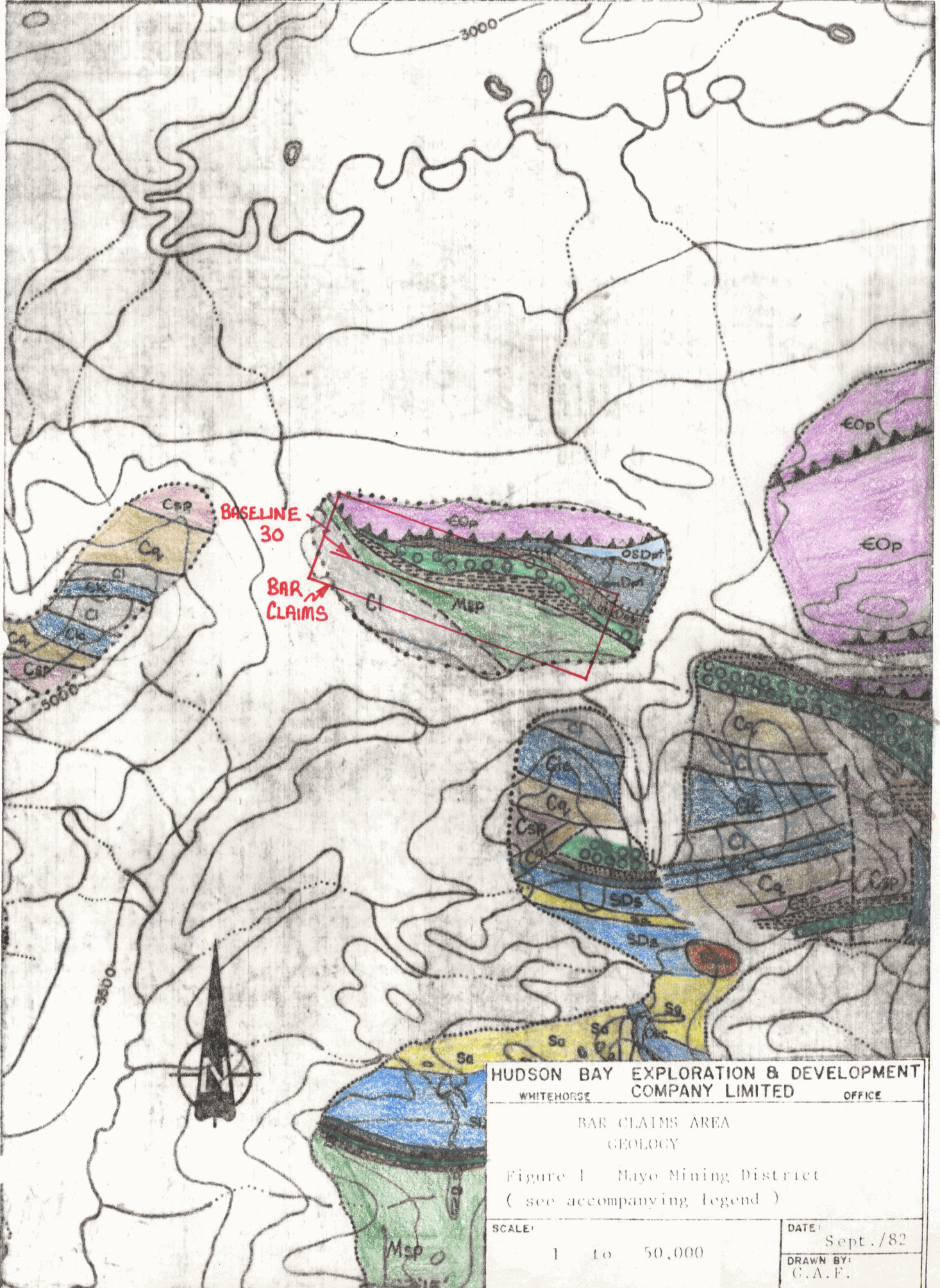
chert. These chert beds are poorly exposed in the BAR claim area. They probably represent minor beds within the upper member of the Lower Earn Group (muDpt).

Overlying the chert beds (muDpt) are brown weathering siltstones and shales. The siltstones and shales are finely laminated and appear mostly in talus in the area. Stratigraphically, this unit belongs to the Upper Earn Group (Msp).

The barite showings appear at the contact of well bedded dark blue chert (muDpt) and brown weathering, thinly laminated shale and siltstone (Msp). The beds are dark grey to black, well bedded and are either platy or block. Shale laminae are common.

The youngest rocks found on the property are Carboniferous limestones (Cl). This unit is grey weathering, massive and in places coarsely crystalline. Their association with Earn Group members is unknown due to overburden cover. The intermediate shales (Csp) and sandstones (Cq) are not visible on the claims.

Outcrop on the BAR claims is generally minimal, however, attitudes from the Earn Group members indicate a general strike of NW-SE with a moderate dip to the southwest.



HUDSON BAY EXPLORATION & DEVELOPMENT
 WHITEHORSE OFFICE
 COMPANY LIMITED

BAR CLAIMS AREA
 GEOLOGY






Figure 1 Mayo Mining District
 (see accompanying Legend)

SCALE:
 1 to 50,000

DATE:
 Sept./82
 DRAWN BY:
 G.A.F.


LEGEND * (to accompany Figure 1)

CARBONIFEROUS

-  interbedded quartz arenite and black argillite
-  limestone
-   quartz arenite and sandstone
-  silty shale and shale

MISSISSIPPIAN

Upper Earn Group

-  sandstone siltstone and shale

Lower Earn Group (marked by symbols)

- muDpt siliceous shale



MIDDLE AND LATE DEVONIAN

- muDcg chert pebble conglomerate

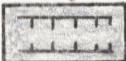


- muDps shale and siltstone



EARLY AND MIDDLE DEVONIAN

- emDpt chert and cherty argillite







SILURIAN EARLY AND MIDDLE DEVONIAN


-  calcite cemented volcanoclastics

ORDOVICIAN SILURIAN AND EARLY DEVONIAN

Road River Group





-  shaley limestone
-  -  wispy laminated mudstone
-  chert

HADRYNIAN, CAMBRIAN AND ORDOVICIAN

-  shale, mudstone, limestone and chert

* adaptation of Abbott, 1982

REFERENCE

- Geological boundary (definite, approximate, assumed)..... 
- Normal fault (definite, approximate, assumed, symbol on hanging wall side).... 
- Reverse fault..... 
- Limit of geological mapping..... 

6. GEOCHEMISTRY:

The geochemical prospecting conducted on the BAR claims was directed to exploring near surface barite deposits along the MuDpt-Msp contact. To test the horizon, a soil grid was established with its baseline parallel to the muDpt-Msp contact two small hand trenches were opened up and rock samples were taken from available outcrops.

The location and geochemical results for soils and rocks analyzed are located on Figure 2. The samples were analyzed for Pb/Zn/Ag/Cu/Ba. All results are in ppm except where denoted by %. The samples were analyzed by Bondar-Clegg and Company Limited of Whitehorse.

Figure 1 shows the soil grid baseline in relation to the immediate geology. Figure 2 is a plot of the grid including soil sample locations, rock sample locations, two hand trenches, barite showings, outcrop showings and geochemical data.

The following is the results of statistical analysis for both soil and rock samples. The mean (\bar{x}) and standard deviation (δ) was calculated for each element. A possible anomaly ($n + \delta$) is a sample at least one standard deviation above the mean. A definite anomaly ($n + 2\delta$) is a sample at least two standard deviations above the mean. All values which are classed as a definite anomaly have been highlighted on Figure 2.

<u>Element</u>	<u>n</u>	<u>SOIL SAMPLES</u>				
		<u>\bar{x}</u>	<u>δ</u>	<u>Poss Anom</u>	<u>Anom</u>	<u># of Anom Samples</u>
Cu	96	30	41	71	112	2
Pb	96	10	5	15	20	2
Zn	96	114	223	337	560	2
Ag	96	1.4	1.8	3.2	5.0	2
Ba	96	3319	3302	6621	9923	3

<u>Element</u>	<u>n</u>	<u>ROCK SAMPLES</u>				
		<u>\bar{x}</u>	<u>δ</u>	<u>Poss Anom</u>	<u>Anom</u>	<u># of Anom Samples</u>
Cu	24	25	19	44	63	1
Pb	24	15	44	59	103	1
Zn	24	123	81	204	285	2
Ag	24	.4	.2	.6	.8	1

* most rock samples were predictably high in barium

No significant patterns have been noted by the results plotted on Figure 2. There are several anomalous highs for each element sampled. The majority of anomalous values appear to follow a trend near the muDpt-Msp contact, particularly near the exposed barite beds. However, there is no one element consistent across this trend. Barium values in soils are extremely high in soils near the showings as would be expected. The most interesting rock sample is a 222 ppm lead value taken from a small argillite patch on the west portion of the grid. This value is isolated but extremely higher than any of the other rocks.

7. CONCLUSIONS AND RECOMMENDATIONS:

Geological mapping on the Bar Claims indicates a bedded barite horizon similar stratigraphically to the Tom property. The presence of the bedded barite indicates an active hydrothermal system was operating in the past.

The results of rock and soil sampling in 1982 do not indicate the presence of a near surface economic sulphide deposit along the MuDpt-Msp contact.

Further exploration on the property might include:

1. Geophysical surveys to explore the possibilities of deposits at depth. An electromagnetic survey may be useful in tracing any sulphide conductors at depth. A magnetic survey may help trace possible pyrrhotite feeder zones.

2. Trace element geochemistry. The chemistry of the hydrothermal systems in the Macmillan Pass area is variable. Some kind of geochemical indicator to aid in the detection of possible mineralized systems would be useful.

Glen Fraser

BIBLIOGRAPHY

- ABBOTT, J. G. 1982 - Structure and Stratigraphy of the Macmillan
Fold Belt: Evidence for Devonian Faulting
D.I.A.N.D. Geology Section Pub., Whitehorse p. 1-16.
- STROSHEIN, R., FRASER, G. 1982 - Selwyn Project 1981 Report on Regional
Reconnaissance Macmillan Pass Area,
Hudson Bay Exploration and Development
Company Limited.

FIGURE 2

BAR - GRID NO. 30

GEOCHEMISTRY - GEOLOGY

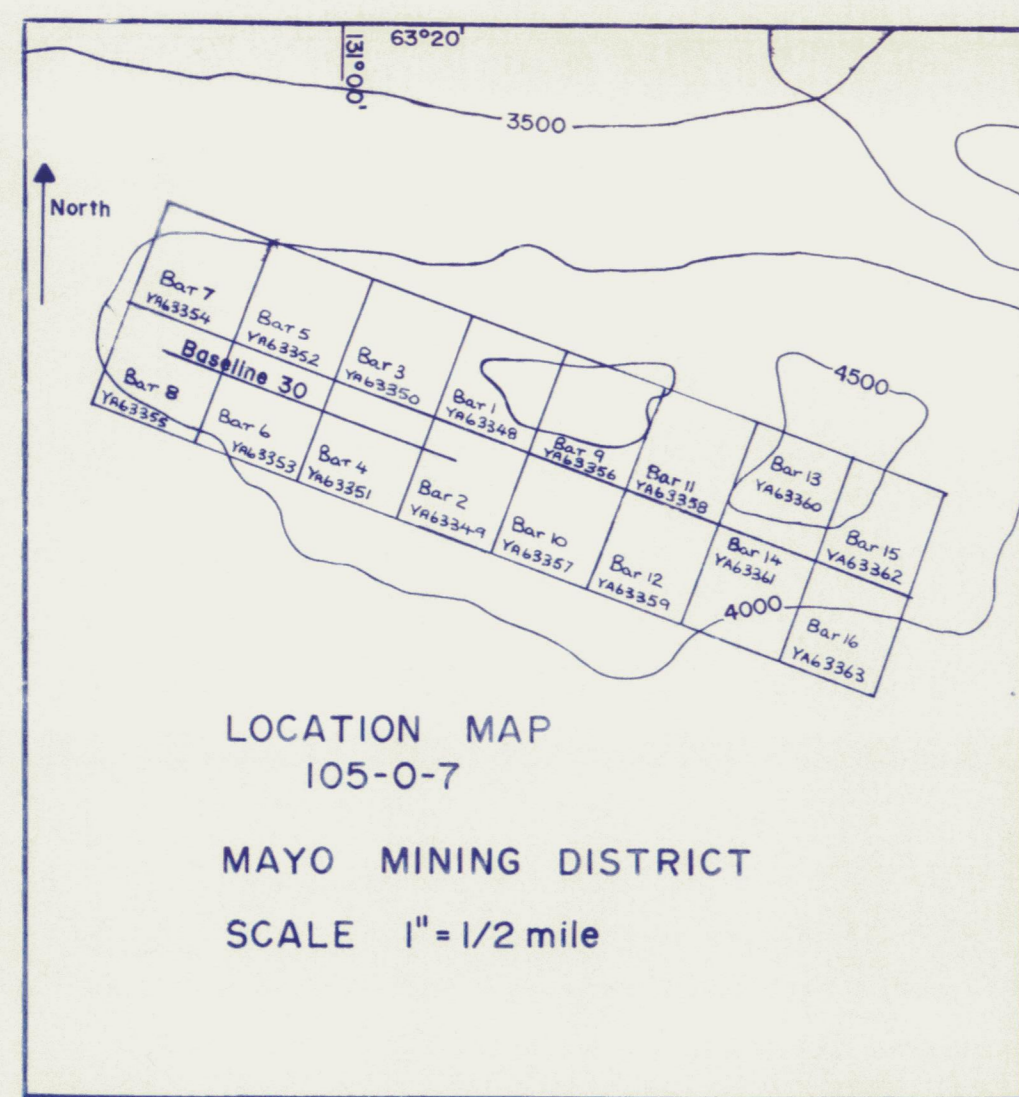
- 26/17/20/0.6.....soil sample Cu/Pb/Zn/Ag/Ba
 X 32/4/40/0.2/1300.....rock sample Cu/Pb/Zn/Ag/Ba
 all results ppm unless denoted %
 ▣trench location
 ◀bedded barite showing

TRENCH DATA

Trench 1						
No.	Cu	Pb	Zn	Ag	Ba	
73441	26	6	120	0.3	58.0%	
73442	24	6	100	0.1	34.0%	
73443	44	2	215	0.5	38.0%	
73444	28	4	170	0.3	44.0%	
73445	48	4	250	0.7	35.0%	
73446	60	4	315	0.2	29.0%	
73447	44	6	210	0.3	23.0%	

Trench 2						
No.	Cu	Pb	Zn	Ag	Ba	
73448	6	10	60	0.3	4.1%	
73449	18	4	140	0.2	23.0%	
73450	16	6	105	0.3	28.0%	
73451	8	6	70	0.3	28.0%	

all results ppm unless denoted by %



HUDSON BAY EXPLORATION & DEVELOPMENT
 WHITEHORSE COMPANY LIMITED OFFICE

BAR-GRID No. 30 091375
GEOCHEMISTRY-GEOLOGY

MAYO MINING DISTRICT

DRAWN BY: R.D. & G.A.F.	DATE:	PLATE NO:
FIELD WORK BY: R.D. R.C. R.C. G.A.F.	REVISED BY:	SCALE: METERS

APPENDIX I

REVIEW OF EXPENDITURES

AND RECEIPTS

BAR CLAIMS

JUNE 15 - JULY 1, 1982

SUMMARY OF EXPENDITURES

BAR 1-16 CLAIMS
JUNE 15 - JULY 1, 1982

HELICOPTER CHARGES

Northern Mountain Helicopter		
A-Star	4.6 hours @ 595\$/hour	\$ 2,737.00
fuel	4.6 hours @ 30 gal/hour @ 3.15\$/gal	434.00
206B	4.0 hours @ 500\$/hour	2,000.00
fuel	4.0 hours @ 22.5 gal/hour @ 3.15\$/gal	283.50

ASSAY CHARGES

Bondar - Clegg Ltd.		
101 Soil Samples @ 5.30\$/sample (Cu/Pb/Zn/Ag and sample prep.)		535.30
18 Rock Samples @ 7.35\$/sample (Cu/Pb/Zn/Ag and sample prep.)		132.30

SALARY AND WAGES

7 man days @ 110\$/man day	770.00
14 man days @ 65\$/man day	910.00

CAMP COSTS

21 man days @ 25\$/man day	<u>525.00</u>
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TOTAL	\$ 8,327.80
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NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BAY		Date: JUNE 15/82	
P.O.			
Pnt G. PAULSON	Base	Cash	Cheque Charge X
BC Type A-STAR	CF NML	Area MAC PASS	

From	To (1)
To (2)	To (3)
To (4) 7376-39	To (5)
To (6)	To (7)
To (8)	To (9)
To (10)	To (11)

Charter Rate 2.1	Hours at \$ 595.00	\$ 1249.50
Contract Rate	Hours at \$	
Fuel Charge MAC PASS 63 @ 3.15		198.45
Pilot Expenses		
Other		
I personally guarantee payment of this charter.		
Authorized by: [Signature]	TOTAL CHGE.	1447.95

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature)

- 1. 500 - 1.1
- 2. 2000 - 1.0
- 3. (BAR)
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.

17920

MAIN BASE
P.O. Box 368
Prince George, B.C.
Phone 963-9622
Telex 047-8027

2 BASE
P.O. Box 280
Fort St. James, B.C.
Phone 996-7208

No. of Departures	No. of Passengers	No. of hours flown	Base or designated Pt.
		2.1	MAC PASS
	Lbs. cargo	Miles flown	Class of flying

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BAY		Date: JUNE 14/82	
P.O.			
Pilot G. PAULSON	Base	Cash	Cheque Charge X
A/C Type A-STAR	CF NML	Area MAC PASS	

From	To (1)
To (2)	To (3)
To (4) 7376-42	To (5)
To (6)	To (7)
To (8)	To (9)
To (10)	To (11)

Charter Rate 2.1	Hours at \$ 595.00	\$ 1249.50
Contract Rate	Hours at \$	
Fuel Charge MAC PASS 63 @ 3.15		198.45
Pilot Expenses		
Other		
I personally guarantee payment of this charter.		
Authorized by: [Signature]	TOTAL CHGE.	1447.95

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature)

- 1. 500 - 1.1
- 2. 2000 - 1.0
- 3. (BAR)
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.

17921

MAIN BASE
P.O. Box 368
Prince George, B.C.
Phone 963-9622
Telex 047-8027

2 BASE
P.O. Box 280
Fort St. James, B.C.
Phone 996-7208

No. of Departures	No. of Passengers	No. of hours flown	Base or designated Pt.
		2.1	MAC PASS
	Lbs. cargo	Miles flown	Class of flying

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BAY Date: JUNE 17/82

P.O.
 Pilot: G. PAULSON Base: Cash: Cheque: Charge: X
 A/C Type: A-STAR CF: NML Area: MAC PASS

From To (1)
 To (2) To (3)
 To (4) To (5)
 To (6) 7376-42 To (7)
 To (8) To (9)
 To (10) To (11)

Charter Rate 2.5 Hours at \$ 595.00 \$ 1487.50

Contract Rate Hours at \$

Fuel Charge MAC PASS 75 @ 3.15 236.25

Pilot Expenses

Other

I personally guarantee payment of this charter.

Authorized by: [Signature] TOTAL CHGE. 1723.75

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature):

1. SUN-14 7.
 2. MAC-14 8.
 3. (BAR) 9.
 10.
 11.
 12.

17922
 MAIN BASE
 P.O. Box 368
 Prince George, B.C.
 Phone 963-9822
 Telex 047-8027
 2 BASE
 P.O. Box 280
 Fort St. James, B.C.
 Phone 996-7208

No. of Departures: [] No. of Passengers: [] No. of hours flown: 2.5 Base or designated Pt.: MAC PASS
 Lbs. cargo: [] Miles flown: [] Class of flying: []

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BAY Date: JUNE 20/82

P.O.
 Pilot: G. PAULSON Base: Cash: Cheque: Charge: X
 A/C Type: A-STAR CF: NML Area: MAC PASS

From To (1)
 To (2) To (3)
 To (4) To (5)
 To (6) 7376-42 To (7)
 To (8) To (9)
 To (10) To (11)

Charter Rate 2.4 Hours at \$ 595.00 \$ 1428.00

Contract Rate Hours at \$

Fuel Charge MAC PASS 72 @ 3.15 226.80

Pilot Expenses

Other

I personally guarantee payment of this charter.

Authorized by: [Signature] TOTAL CHGE. 1654.80

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature):

1. SUN-13 7.
 2. MAC-14 8.
 3. (BAR) 9.
 4. 10.
 5. 11.
 6. 12.

17925
 MAIN BASE
 P.O. Box 368
 Prince George, B.C.
 Phone 963-9822
 Telex 047-8027
 2 BASE
 P.O. Box 280
 Fort St. James, B.C.
 Phone 996-7208

No. of Departures: [] No. of Passengers: [] No. of hours flown: 2.4 Base or designated Pt.: MAC PASS
 Lbs. cargo: [] Miles flown: [] Class of flying: []

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: Hudson Bay Date: 22/06/82

P.O.

Pilot: _____ Base: _____ Cash: _____ Cheque: _____ Charge: _____

A/C Type: Pt. 206B CF: NMW Area: Mac Pass

From: Mac Pass To (1): Local

To (2) To (3)

To (4) To (5)

To (6) To (7)

To (8) 7376-45 To (9)

To (10) To (11)

Charter Rate 3.0 Hours at \$ _____ \$ 1500.00

Contract Rate Hours at \$ _____

Fuel Charge Mac Pass 69/3.15 217.35

Pilot Expenses

Other Terms: Net 30 days. Service charge on overdue accounts.

I personally guarantee payment of this charter.

Authorized by: [Signature] TOTAL CHGE. 1717.35

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature)

(EAR) _____ 7. _____

_____ 8. _____

_____ 9. _____

_____ 10. _____

_____ 11. _____

_____ 12. _____

18622

MAIN BASE
P.O. Box 368
Prince George, B.C.
Phone 963-9622
Telex 047-8027

2 BASE
P.O. Box 280
Fort St. James, B.C.
Phone 936-7208

No. of Departures: 2 No. of Passengers: 8 No. of hours flown: 3.0 Base or designated Pt.: Mac Pass

Lbs. cargo: _____ Miles flown: _____ Class of flying: _____

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: Hudson Bay Date: 27/06/82

P.O.

Pilot: D. Ferguson Base: _____ Cash: _____ Cheque: _____ Charge: _____

A/C Type: Pt. 206B CF: NMW Area: Mac Pass

From: Mac Pass To (1): Local

To (2) To (3)

To (4) To (5)

To (6) 39 To (7)

To (8) 7376-~~45~~ To (9)

To (10) To (11)

Charter Rate 2.7 Hours at \$ _____ \$ 1350.00

Contract Rate Hours at \$ _____

Fuel Charge Mac Pass 62.1/3.15 195.61

Pilot Expenses

Other Terms: Net 30 days. Service charge on overdue accounts.

I personally guarantee payment of this charter.

Authorized by: [Signature] TOTAL CHGE. 1545.61

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature)

1. (EAR) _____ 7. _____

2. _____ 8. _____

3. _____ 9. _____

4. _____ 10. _____

5. _____ 11. _____

6. _____ 12. _____

18624

MAIN BASE
P.O. Box 368
Prince George, B.C.
Phone 963-9622
Telex 047-8027

2 BASE
P.O. Box 280
Fort St. James, B.C.
Phone 936-7208

No. of Departures: 2 No. of Passengers: 8 No. of hours flown: 2.7 Base or designated Pt.: Mac Pass

Lbs. cargo: _____ Miles flown: _____ Class of flying: _____

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BAY			Date: JUNE 29/82		
Pilot: G. PAULSON			P.O.		
MC Type: A-STAR	Base: NML	Cash: <input checked="" type="checkbox"/>	Cheque: <input type="checkbox"/>	Charge: <input checked="" type="checkbox"/>	Area: MAC PASS
From: _____	To (1): _____				
To (2): _____	To (3): _____				
To (4): _____	To (5): _____				
To (6): 7376-42	To (7): _____				
To (8): _____	To (9): _____				
To (10): _____	To (11): _____				

Charter Rate: 1.7	Hours at \$: 595.00	\$: 1011.50
Contract Rate: _____	Hours at \$: _____	
Fuel Charge: 60/3.15		160.65
Pilot Expenses: _____		
Other: _____		
I personally guarantee payment of this charge:		TOTAL CHGE. 1172.15
Authorized by: _____		

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature)

1. _____
2. _____
3. _____
4. (BAR) _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

18655

MAIN BASE
P.O. Box 368
Prince George, B.C.
Phone 963-9622
Telex 047-8027

2 BASE
P.O. Box 280
Fort St. James, B.C.
Phone 996-7208

No. of Departures: _____	No. of Passengers: _____	No. of hours flown: 1.7	Base or designated Pt.: MAC PASS
	Lbs. cargo: _____	Miles flown: _____	Class of flying: _____

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BAY			Date: 29/06/82		
Pilot: D. Ferguson			P.O.		
A/C Type: AS 350D	Base: NML	Cash: <input type="checkbox"/>	Cheque: <input type="checkbox"/>	Charge: <input checked="" type="checkbox"/>	Area: Mac Pass
From: Mac Pass	To (1): Local				
To (2): _____	To (3): _____				
To (4): _____	To (5): _____				
To (6): 7376-39	To (7): _____				
To (8): _____	To (9): _____				
To (10): _____	To (11): _____				

Charter Rate: _____	Hours at \$: 595.00	\$: 1190.00
Contract Rate: _____	Hours at \$: _____	
Fuel Charge: 60/3.15		189.00
Pilot Expenses: _____		
Other: _____		
I personally guarantee payment of this charge:		TOTAL CHGE. 1379.00
Authorized by: _____		

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature)

1. (BAR) _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

18705

MAIN BASE
P.O. Box 368
Prince George, B.C.
Phone 963-9622
Telex 047-8027

2 BASE
P.O. Box 280
Fort St. James, B.C.
Phone 996-7208

No. of Departures: 2	No. of Passengers: 5	No. of hours flown: 2.0	Base or designated Pt.: Mac Pass
	Lbs. cargo: _____	Miles flown: _____	Class of flying: _____

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: Hudson Bay Date: 01/27/82

P.O. _____
 Pilot: G. Paulson Base: _____ Cash: _____ Cheque: _____ Charge: X
 VC Type: 206B CF: MMW Area: Mac Pass

From _____ To (1) _____
 To (2) _____ To (3) _____
 To (4) 1376-45 To (5) _____
 To (6) _____ To (7) _____
 To (8) _____ To (9) _____
 To (10) _____ To (11) _____

Charter Rate 2.5 Hours at \$ 500.00 \$ 1250.00
 Contract Rate _____ Hours at \$ _____
 Fuel Charge MMW Pass 57.5/3.15 181.12
 Pilot Expenses _____
 Other _____ Terms: Net 30 days. Delivery of _____

I personally guarantee payment of this charter.
 Authorized by: [Signature] TOTAL CHGE. 1431.12

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature)

SIM 0.5 _____ 7.
Tom 0.5 _____ 8.
BAR 1.5 _____ 9.
 _____ 10.
 _____ 11.
 _____ 12.

18657
MAIN BASE
 P.O. Box 368
 Prince George, B.C.
 Phone 963-9622
 Telex 047-8027
2 BASE
 P.O. Box 280
 Fort St. James, B.C.
 Phone 986-7208

No. of Departures: _____ No. of Passengers: _____ No. of hours flown: 2.5 Base or designated Pt.: Mac Pass
 Lbs. cargo: _____ Miles flown: _____ Class of flying: _____

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: Hudson Bay Date: 01/27/82

P.O. _____
 Pilot: D. Ferguson Base: _____ Cash: _____ Cheque: _____ Charge: _____
 A/C Type: AS350D CF: MMW Area: Mac Pass

From Mac Pass To (1) Local
 To (2) _____ To (3) _____
 To (4) _____ To (5) _____
 To (6) 7376-42 To (7) _____
 To (8) _____ To (9) _____
 To (10) _____ To (11) _____

Charter Rate 1.5 Hours at \$ 595.00 \$ 1071.00
 Contract Rate _____ Hours at \$ _____
 Fuel Charge Mac Pass 54/3.15
 Pilot Expenses _____
 Other _____ Terms: Net 30 days. Delivery of _____

I personally guarantee payment of this charter.
 Authorized by: [Signature] TOTAL CHGE. 1241.10

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature)

SIM _____ 7.
Bar 1.0 _____ 8.
 _____ 9.
 _____ 10.
 _____ 11.
 _____ 12.

18709
MAIN BASE
 P.O. Box 368
 Prince George, B.C.
 Phone 963-9622
 Telex 047-8027
2 BASE
 P.O. Box 280
 Fort St. James, B.C.
 Phone 986-7208

No. of Departures: 5 No. of Passengers: 5 No. of hours flown: 1.8 Base or designated Pt.: Mac Pass
 Lbs. cargo: _____ Miles flown: _____ Class of flying: _____

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BAY Date: 5 JULY 68

Pilot: BASHINSKY Base: CFNAW Cash: Cheque: Charge:
 VC Type: Bell 206 Area: REG PASS

From: new out 68 To (1): 68-071
 To (2): _____ To (3): _____
 To (4): _____ To (5): _____
 To (6): 7376-39 To (7): _____
 To (8): _____ To (9): _____
 To (10): _____ To (11): _____

Charter Rate	<u>1.5</u> Hours at \$	<u>500.00</u>	\$	<u>750.00</u>
Contract Rate	Hours at \$			
Fuel Charge	<u>34.5 / 3.15</u>			<u>108.67</u>
Pilot Expenses				

Other: Terms: Net 30 days. Service charge on overall accounts.
 I personally guarantee payment of this charter.
 Authorized by: Alan FROXY

TOTAL CHGE. 858.67

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature):

(BAR) _____ 7. _____
 _____ 8. _____
 _____ 9. _____
 _____ 10. _____
 _____ 11. _____
 _____ 12. _____

18665

MAIN BASE
 P.O. Box 368
 Prince George, B.C.
 Phone 963-9622
 Telex 047-8027

2 BASE
 P.O. Box 280
 Fort St. James, B.C.
 Phone 996-7208

No. of Departures	No. of Passengers	No. of hours flown	Base or designated Pt.
<input type="text"/>	<input type="text"/>	<u>1.5</u>	<u>REG - Pass</u>
	Lbs. cargo	Miles flown	Class of flying
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

DAR-CLEGG & COMPANY LTD.

ST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

Hudson Bay Exploration Ltd.
100-10 Burns Rd.
Whitehorse, Y.T.

INVOICE: **F 74670**

DATE: **Aug. 4, 1982**

REPORT NO: **42 -227**

PROJECT:

70. for bank

144	Analyses of Lead/Zinc/Silver	@ \$3.70	\$ 532.80
70	Analyses of Copper	.90	63.00
70	Analyses of Molybdenum	.90	63.00
70	Analyses of Tungsten	4.25	297.50
70	Analyses of Gold	6.50	455.00
144	Soil sample prep.	.70	100.80

70. for bank

TOTAL: \$1512.10

Price
Quantity
Charge No.
Approved

ll-



BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

Hudson Bay Exploration
100-10 Burns Rd.
Whse, Y.T.

INVOICE: **F 14881**

DATE: **Aug. 25, 1982**

REPORT NO: **42-229**

PROJECT:

258 Analyses of Barium	4.00	\$1032.00
34 Analyses of Arsenic	3.25	110.50
1 Analyses of Copper/Silver	2.80	2.80
1 Analyses of Tin	4.00	4.00
1 Analyses of Tungsten	4.25	4.25

TOTAL: \$1153.55

APPENDIX II

CLENN A. FRASER

ADDRESS: #201 - 19 Roundel Road,
Whitehorse, Yukon Territory.
Y1A 3H3

EDUCATION: B. Sc. (Geology) from University of Toronto
Graduated in 1981

EMPLOYMENT: 1981-1982 Hudson Bay Exploration and Development Co. Ltd.
Whitehorse Office.
Project Geologist - Supervised geological mapping,
geochemical and prospecting programs
Macmillan Pass Area, Y. T.