

GEOCHEMICAL - GEOLOGICAL

ASSESSMENT REPORT

MAC CLAIMS 124 (YA40740)

125 - 135 (YA64478-YA63388)

137 (YA63390)

139 (YA63392)

145-146 (YA63398-YA63399)

63°17'N 130°55'W

MAYO MINING DISTRICT

105-0-7

JUNE 17 - JULY 10, 1982

G. FRASER

SEPT. 1982

091373

This report has been examined by
the Geological Survey Unit
under Section 53 of the Yukon Quartz
Mining Act and is allowed as
evidence in court to the amount
of \$ 7525—.

P. Watson

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

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1. INTRODUCTION:

The MAC Claims 125-135, 136, 139, 145-146 were staked in early July 1981 and recorded on July 22, 1981. MAC 124 was staked on July 26, 1979 and recorded on August 14, 1979. The claims were staked to cover a favourable stratigraphic horizon for bedded barite occurrences and favourable rock geochemistry results from 1979.

The claim group was explored between June 17 to July 10, 1982. Work consisted of soil geochemistry, rock geochemistry and geological mapping.

A small soil grid was established to cover the favourable horizon in a overburden covered valley. The valley was narrow along strike of the horizon, thus the baseline runs perpendicular to the strike of the geology. Transverse section lines were run at 100 metre intervals. Eighty 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~~ within the grid and just beneath the emDpt-muDps contact where bedded barite occurs to the east. 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 MAC Claims (125-135, 137, 139, 145-146) are located in the Mayo Mining District on claims sheet 105-0-7 approximately centered at 131°00' 63°20'.

The claim group is situated approximately 24 miles west and north of the Macmillan Pass air strip 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 MAC claims assessment:

G. Fraser	Project Geologist
R. Deklerk	Field Assistant
R. Chippett	Field Assistant
R. Conner	Field Assistant

4. CLAIM OWNERSHIP:

This assessment report covers the following MAC Claims:

MAC 124	YA 40740
MAC 125-135	YA64478-YA63388
MAC 137	YA63390
MAC 139	YA63392
MAC 145-146	YA63398-YA63399

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 2 for MAC Claims Area Geology and the accompanying legend.

The geology of the MAC 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 MAC 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, over riding highly folded Devonian stratigraphy of the Central Block (Abbott, 1982).

The oldest rocks in the area occur to the north of MAC Claims. The units are a mixture of shale, siltstone and chert (EOP). The shales often contain black wispy laminae within an orange brown weathering matrix. Tan weathering siltstone is interbedded with the shales. The chert is grey to black and has a mottled appearance in places. These units are part of a possible thrust sheet, which rides over younger Road River and Earn group rocks.

All three members of the Road River Group (OSDpt) appear on the MAC claims. The oldest member is dark grey to black chert with minor siliceous shale interbeds (OSc). This is overlain by orange brown weathering, wispy black laminated brown mudstone (Sa). The youngest member is a light brown weathering shaley limestone (SDs) containing graptolites.

Overlying the Road River Group are members of the Earn Group. The oldest member is a blocky weathering, well bedded dark blue chert (emDpt). The chert member is overlain by brown weathering, thinly laminated grey to brown shale and siltstone (muDps).

The emDpt-muDpt contact is the target horizon. Bedded barite showings have been found, within the chert, further to the east of the MAC claims.

Massive, resistant, grey weathering chert pebble conglomerate (muDcg) overlies the shales and siltstone. The chert pebble conglomerate is composed of a dark grey chert matrix with clasts of primarily chert and lesser argillite.

Structural trends in the area indicate a general strike of E-W with moderate dip to the north of 40° - 50° .

6. GEOCHEMISTRY:

The geochemical prospecting conducted on the MAC claims was directed to exploring along the emDpt-muDps contact. To test the horizon, a soil grid was established with its base line perpendicular to the emDpt-muDps contact. Rock samples were collected from unit emDpt just beneath the contact.

The location and geochemical results for soils and rocks, collected from within the grid, are plotted on figure 2. The sample numbers for rocks collected near the top of unit emDpt, are located on figure 1 and the geochemical results appear below. The samples were analyzed for Cu/Pb/Zn/Ag/Ba. All results are in ppm except where denoted by %. The samples were analyzed by Bondar-Clegg and Company Limited of Whitehorse.

The following list is the geochemical results from rock samples collected near the top of unit emDpt. All samples are in ppm.

<u>SAMPLE NUMBER</u>	<u>ELEMENTS ANALYZED</u>				
	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>	<u>Ba</u>
73431	16	6	15	2.7	19,000
73432	48	8	110	1.0	3,330
73433	28	6	50	2.5	9,420
73434	44	6	15	0.8	4,380
73435	18	6	10	2.0	13,500
73436	12	8	10	1.3	2,180
73437	52	14	15	2.8	14,500
73438	98	4	155	1.8	2,420
73439	30	8	180	2.1	950
73440	16	8	120	2.6	1,000
73462	28	6	85	1.5	1,320
73463	22	12	25	5.3	2,180
73464	4	14	30	4.0	1,100
73465	6	12	25	0.6	5,840
73466	26	10	15	1.6	3,560
73467	28	12	10	1.9	2,470
73468	30	6	45	2.4	2,350
73469	56	4	185	1.2	1,080
73470	66	8	105	4.6	4,870

73471	38	4	25	1.6	4,410
73472	2	2	2	0.2	620,000
73473	6	14	20	3.3	16,800
73474	64	12	20	1.4	4,240

Statistical analysis was performed on 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 samples 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.

Element	n	<u>SOIL SAMPLES</u>		Poss. Anom.	Anom.	# of Anom. Samples
		\bar{x}	δ			
Cu	80	48	37	85	122	4
Pb	80	14	11	25	36	4
Zn	80	259	256	515	771	3
Ag	80	2.3	7.6	9.9	17.5	0
Ba	80	2264	1467	3731	5198	3

Element	n	<u>ROCK SAMPLES</u>		Poss. Anom.	Anom.	# of Anom. Samples
		\bar{x}	δ			
Cu	33	38	33	71	104	1
Pb	33	9	4	13	17	1
Zn	33	60	55	115	170	2
Ag	33	1.8	1.3	3.1	4.4	2
Ba	33	5344	6086	11430	17516	3

The soil grid results show only small trends. The highest lead values were from samples near the emDpt-muDps contact. The highest zinc values were from samples near Road River units which are known to have high zinc background values. The higher copper values were from samples above Road River units. Silver values show a higher than normal mean and the high standard deviation indicates a wide distribution. Barium results from the soils were low.

The rock samples generally carry low values in the area. Lead results from the top of unit emDpt, were much lower than samples taken in 1979. Several high values in barium might indicate the presence of barite beds in the area.

7. CONCLUSIONS AND RECOMMENDATIONS:

Geological mapping on the MAC claims indicate a stratigraphic succession of Road River to Lower Earn Group units is present. A favourable horizon, near the emDpt-muDps contact, passes through the claim area.

Geochemically, the soil and rock samples from the area show little encouragement for economic hydrothermal sulphide deposits.

Geophysical surveys could be used to explore the possibilities of deposits at depth. An electromagnetic survey would help indicate any conductors at depth.

John Fraser

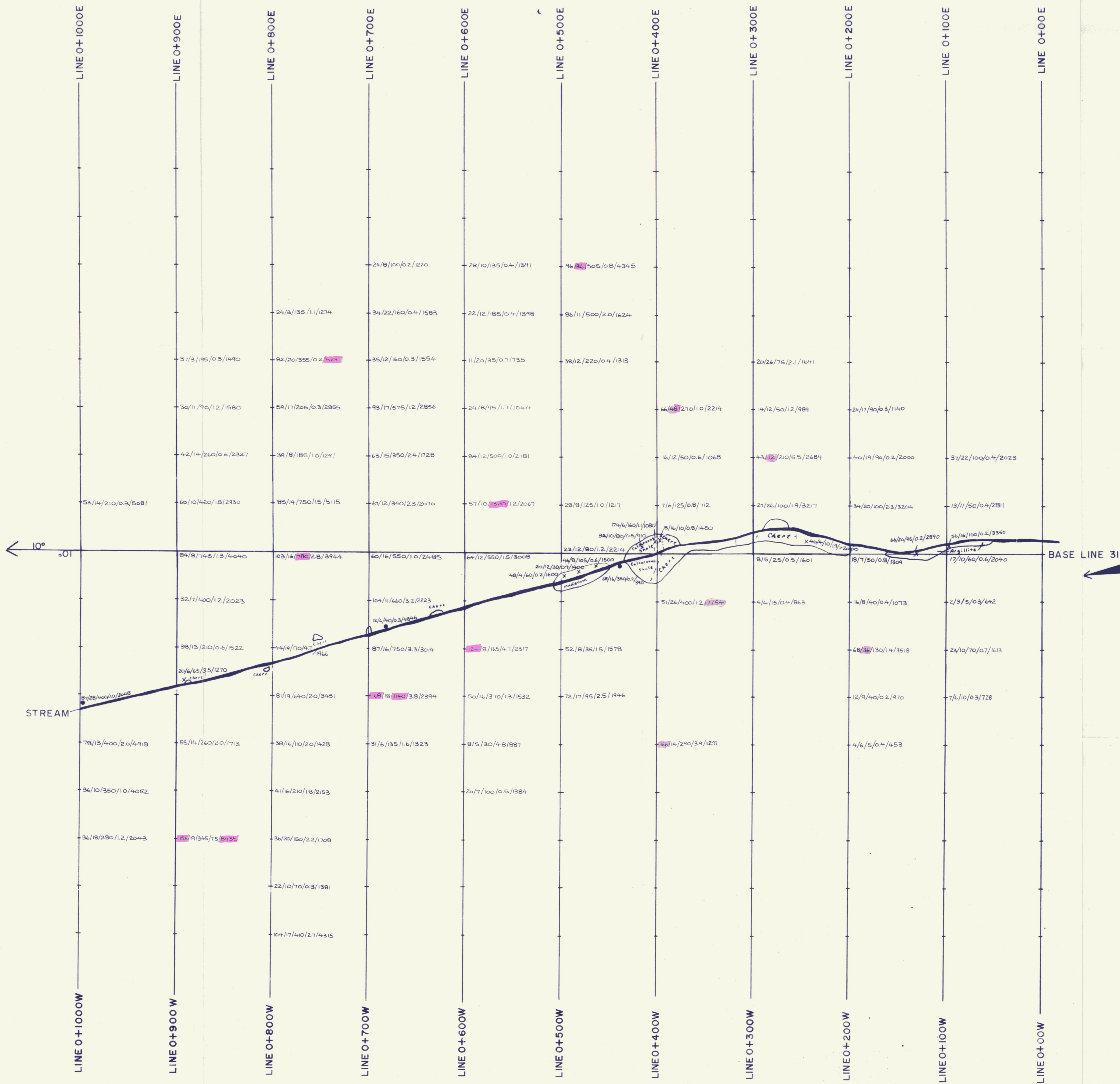
BIBLIOGRAPHY

- ABBOTT, J. G. 1982 - Structure and stratigraphy of 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 & Development Company Limited Report.

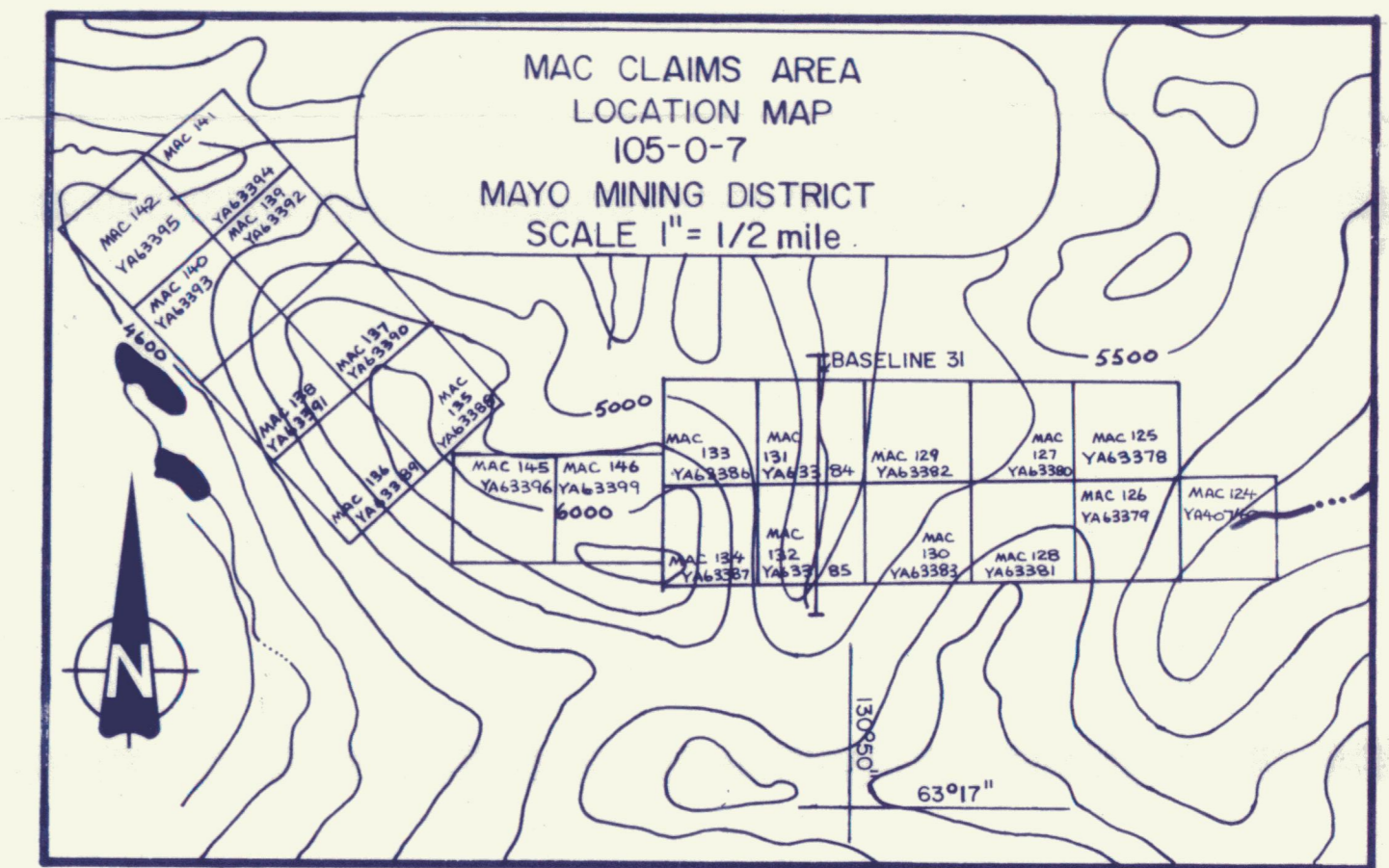
FIGURE 2

MAC - GRID NO. 31

GEOCHEMISTRY - GEOLOGY



LEGEND
 — 2/3/5/03/642.....soil sample Cu/Pb/Zn/Ag/Ba
 X 66/20/95/02/2890.....rock sample Cu/Pb/Zn/Ag/Ba
 ● 68/16/350/02/3921.....silt sample Cu/Pb/Zn/Ag/Ba
 all results ppm



HUDSON BAY EXPLORATION & DEVELOPMENT WHITEHORSE COMPANY LIMITED OFFICE			
MAC-GRID No. 31		091373	
GEOCHEMISTRY-GEOLOGY			
MAYO MINING DISTRICT			
DRAWN BY: R.D.F.G.F.	DATE: SEPT. 82	PLATE NO:	
FIELD WORK BY: R.D.R.C.C.	REVISED BY: G.R.F.	SCALE: 1" = 1/2 mile	METERS
0 25 50 75 100			

APPENDIX I

REVIEW OF EXPENDITURES

AND RECEIPTS

MAC CLAIMS

JUNE 17 - JULY 10, 1982

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BAY Date: 5 JUN 15/82

P.O.

Pilot: G. PAULSON Base: Cash: Cheque: Charge:

A/C Type: A STAR CF: NML Area: MAC PASS

From To (1)

To (2) To (3)

To (4) To (5)

To (6) 7376-39 To (7)

To (8) To (9)

To (10) 210 To (11)

Charter Rate 2.1 Hours at \$ 595.00 \$ 1247.50

Contract Rate Hours at \$

Fuel Charge MAC PASS 63 @ 3.15 198.45

Pilot Expenses

Other

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. SW - 1.1 7.
2. MAC - 1.0 8.
3. (BAR) 9.
4. 10.
5. 11.
6. 12.

17920

MAIN BASE
P.O. Box 368
Prince George, B.C.
Phone 963-8622
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: 2.1 Base or designated Pt.: MAC PASS Class of flying: []

Lbs. cargo: [] Miles flown: []

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BAY Date: 5 JUN 16/82

P.O.

Pilot: G. PAULSON Base: Cash: Cheque: Charge:

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 2.1 Hours at \$ 595.00 \$ 1247.50

Contract Rate Hours at \$

Fuel Charge MAC PASS 63 @ 3.15 198.45

Pilot Expenses

Other

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. SW - 1.1 7.
2. MAC - 1.0 8.
3. (BAR) 9.
4. 10.
5. 11.
6. 12.

17921

MAIN BASE
P.O. Box 368
Prince George, B.C.
Phone 963-8622
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: 2.1 Base or designated Pt.: MAC PASS Class of flying: []

Lbs. cargo: [] Miles flown: []

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BAY Date: JUNE 17/82

P.O.

Pilot: L. PAULSON Base: MAC PASS Cash: Cheque: Charge:

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. 14 7. _____

2. 11 8. _____

3. (BAR) 9. _____

4. _____ 10. _____

5. _____ 11. _____

6. _____ 12. _____

17922

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: 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 19/82

P.O.

Pilot: L. PAULSON Base: MAC PASS Cash: Cheque: Charge:

A/C Type: A-STAR CF: NML Area: MAC PASS

From _____ To (1) _____

To (2) _____ To (3) _____

To (4) _____ To (5) _____

To (6) 7376-39 To (7) _____

To (8) _____ To (9) _____

To (10) _____ To (11) _____

Charter Rate 2.0 Hours at \$ 595.00 \$ 1190.00

Contract Rate _____ Hours at \$ _____

Fuel Charge MAC PASS 60 @ 3.15 189.00

Pilot Expenses _____

Other _____

I personally guarantee payment of this charter: _____

Authorized by: [Signature] TOTAL CHGE. 1379.00

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

1. 13 7. _____

2. 15 8. _____

3. 12 9. _____

4. _____ 10. _____

5. _____ 11. _____

6. _____ 12. _____

17924

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: 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 BA Date: JUNE 20/82

P.O.

Pilot: G. PAULSON Base: Cash Cheque Charge X

A/C Type: A-STAR CF: NWAL 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	<u>2.4</u>	Hours at \$	<u>595.00</u>		\$ <u>1428.00</u>
Contract Rate		Hours at \$			
Fuel Charge	<u>MAC PASS 72 @ 3.15</u>				<u>226.80</u>
Pilot Expenses					
Other					
I personally guarantee payment of this charter.				TOTAL CHGE.	<u>1654.80</u>
Authorized by: <u>[Signature]</u>					

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

- 1. SUN- 1.3 7.
- 2. MAC-1.1 8.
- 3. (BAR) 9.
- 4. 10.
- 5. 11.
- 6. 12.

17925

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 998-7208

No. of Departures: 2.4 Base or designated Pt.: MAC PASS

No. of Passengers: 2.4 Class of flying: MAC PASS

No. of hours flown: 2.4 Miles flown: 2.4

Lbs. cargo:

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BA Date: JUNE 21/82

P.O.

Pilot: G. PAULSON Base: Cash Cheque Charge X

A/C Type: A-STAR CF: NWAL 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	<u>2.0</u>	Hours at \$	<u>595.00</u>		\$ <u>1190.00</u>
Contract Rate		Hours at \$			
Fuel Charge	<u>MAC PASS 60 @ 3.15</u>				<u>189.00</u>
Pilot Expenses					
Other					
I personally guarantee payment of this charter.				TOTAL CHGE.	<u>1379.00</u>
Authorized by: <u>[Signature]</u>					

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

- 1. SUN- 1.4 7.
- 2. SIN- 0.3 8.
- 3. MAC- 0.3 9.
- 4. 10.
- 5. 11.
- 6. 12.

18236

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 998-7208

No. of Departures: 2.0 Base or designated Pt.: MAC PASS

No. of Passengers: 2.0 Class of flying: MAC PASS

No. of hours flown: 2.0 Miles flown: 2.0

Lbs. cargo:

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON BAY Date: JUNE 22/82

P.O. _____
 Pilot _____ Base _____ Cash _____ Cheque _____ Charge
 A/C Type ASTAR CF NMW 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 1.9 Hours at \$ 5.95.00 \$ 1130.50
 Contract Rate _____ Hours at \$ _____
 Fuel Charge MAC PASS 59 @ 3.15 179.55
 Pilot Expenses _____
 Other _____
 I personally guarantee payment of this charter.
 Authorized by: [Signature] TOTAL CHGE. 1310.05

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

1. MAC-0.5 _____ 7. _____
 2. RSIA-0.4 _____ 8. _____
 3. PREVIOUS NO _____ 9. _____
 4. _____ 10. _____
 5. _____ 11. _____
 6. _____ 12. _____

MAIN BASE
 P.O. Box 368
 Prince George, B.C.
 Phone 963-9622
 Telex 947-9027

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

No. of Departures _____ No. of Passengers _____ No. of hours flown 1.9 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: 026/06/82

P.O. _____
 Pilot _____ Base _____ Cash _____ Cheque _____ Charge
 A/C Type Bell 306B 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) 7396-45 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 _____
 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)

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

MAIN BASE
 P.O. Box 368
 Prince George, B.C.
 Phone 963-9622
 Telex 947-9027

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

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 _____

THERN MOUNTAIN HELICOPTERS INC. CHARTER AND CONTRACT TICKET

To: Hudson Bay Date: June 29/82

P.O.:

Pilot	Base	Cash	Cheque	Charge
<u>A. Star</u>	<u>CF NML</u>			<u>MAC PASS</u>

To (1)
To (3)
To (5)
To (7) <u>7376-42</u>
To (9)
To (11)

Rate <u>1.7</u>	Hours at \$ <u>595.00</u>		\$ <u>1011.50</u>
Contract Rate	Hours at \$		
Fuel Charge <u>MAC PASS 51/3.15</u>			<u>160.65</u>
Pilot Expenses			
Terms: Net 30 days. Service charge on overdue accounts.			
I personally guarantee payment of this charter			TOTAL CHGE. <u>1172.15</u>

Authorized by: John Fraser

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

<u>0.2</u>	7.
<u>0.15</u>	8.
<u>0.15</u>	9.
<u>0.2</u>	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 Passengers	No. of hours flown	Base or designated Pt.
<u>2</u>	<u>1.7</u>	<u>MAC PASS</u>
Lbs. cargo	Miles flown	Class of flying

NORTHERN MOUNTAIN HELICOPTERS INC. CHARTER AND CONTRACT TICKET

Charge To: Hudson Bay Date: 29/06/82

P.O.:

Pilot	Base	Cash	Cheque	Charge
<u>D. Ferguson</u>	<u>CF NML</u>			<u>MAC PASS</u>

From <u>Mac Pass</u>	To (1) <u>Local</u>
To (2)	To (3)
To (4)	To (5)
To (6) <u>7376-39</u>	To (7)
To (8)	To (9)
To (10)	To (11)

Charter Rate <u>2.0</u>	Hours at \$ <u>595.00</u>		\$ <u>1190.00</u>
Contract Rate	Hours at \$		
Fuel Charge <u>Mac Pass 60/3.15</u>			<u>189.00</u>
Pilot Expenses			
Terms: Net 30 days. Service charge on overdue accounts.			
I personally guarantee payment of this charter			TOTAL CHGE. <u>1379.00</u>

Authorized by: John Fraser

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

<u>(BAR)</u>	7.
<u>(MAC)</u>	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	No. of Passengers	No. of hours flown	Base or designated Pt.
<u>2</u>	<u>5</u>	<u>2.0</u>	<u>MAC PASS</u>
Lbs. cargo	Miles flown	Class of flying	

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: Hudson Bay		Date: 3 July 82
P.O.		
Pilot: D. Ferguson	Base:	Cash: <input type="checkbox"/> Cheques: <input type="checkbox"/> Charge: <input checked="" type="checkbox"/>
A/C Type: AS350D	CF: NML	Area: MAC Pass

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

Charter Rate	1.5	Hours at \$	500.00		\$750.00
Contract Rate		Hours at \$			
Fuel Charge	34.5/3.15				108.67
Pilot Expenses					
Other	Terms: Net 30 days. Service charge on overdue accounts.				
I personally guarantee payment of this charter.				TOTAL CHGE.	858.67

Authorized by: *Alan Fraser*

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

18665

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

MAIN BASE
P.O. Box 368
Prince George, B.C.
Phone 963-9622
Telex 047-8927

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.
		1.5	MAC Pass
	Lbs. cargo	Miles flown	Class of flying
			04

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: Hudson Bay		Date: 04/07/82
P.O.		
Pilot: D. Ferguson	Base:	Cash: <input type="checkbox"/> Cheques: <input type="checkbox"/> Charge: <input checked="" type="checkbox"/>
A/C Type: AS350D	CF: NML	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	3.1	Hours at \$	595.00		\$1844.50
Contract Rate		Hours at \$			
Fuel Charge	Mac Pass 93/3.15				292.95
Pilot Expenses					
Other	Terms: Net 30 days. Service charge on overdue accounts.				
I personally guarantee payment of this charter.				TOTAL CHGE.	2137.45

Authorized by: *Alan Fraser*

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

18714

1. Regional	7.
2. (MAC)	8.
3.	9.
4.	10.
5.	11.
6.	12.

MAIN BASE
P.O. Box 368
Prince George, B.C.
Phone 963-9622
Telex 047-8927

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	9	3.1	MAC Pass
	Lbs. cargo	Miles flown	Class of flying
			04

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON RIVER		Date: 5 JULY 82	
Pilot: RACHINSKY			P.O.:
Base	Cash	Cheque	Charge
CF W.M.W.	Area MAC PASS		
A/C Type Bell 206			
From: Cross out (7 miles) (1.7)	To (1) Cross in (1.4)		
To (2)	To (3)		
To (4)	To (5)		
To (6) 7376-42	To (7)		
To (8)	To (9)		
To (10)	To (11)		

Charter Rate (3.1)	Hours at \$ 500.00	\$ 1550.00
Contract Rate	Hours at \$	
Fuel Charge 71.3/3.15		224.59
Pilot Expenses		
Other		
Terms: Net 30 days. Service charge on overdue accounts.		
I personally guarantee payment of this charter.		TOTAL CHGE. 1774.59
Authorized by: <i>[Signature]</i>		

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

- 1. **MAC**
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.

18670

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 (3.1)	Base or designated Pt. MAC/PASS
	Lbs. cargo	Miles flown	Class of flying 04

NORTHERN MOUNTAIN HELICOPTERS INC.

CHARTER AND CONTRACT TICKET

Charge To: HUDSON RIVER		Date: 6 July 82	
Pilot: RACHINSKY			P.O.:
Base	Cash	Cheque	Charge
CF W.M.W.	Area NAC PASS		
A/C Type Bell 206			
From: Cross out (.7)	To (1) Cross in (.7)		
To (2)	To (3)		
To (4)	To (5)		
To (6) 7376-39	To (7)		
To (8)	To (9)		
To (10)	To (11)		

Charter Rate (1.4)	Hours at \$ 500.00	\$ 700.00
Contract Rate	Hours at \$	
Fuel Charge 32.2/3.15		101.43
Pilot Expenses		
Other		
Terms: Net 30 days. Service charge on overdue accounts.		
I personally guarantee payment of this charter.		TOTAL CHGE. 801.43
Authorized by: <i>[Signature]</i>		

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

- 1. **MAC**
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.

18674

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 (1.4)	Base or designated Pt. NAC/PASS
	Lbs. cargo	Miles flown	Class of flying 04

CLEGG & COMPANY LTD.

TAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

by Exploration Ltd
Burns Rd,
T.

INVOICE: **F 74682**

DATE: **Aug. 5, 1982**

REPORT NO: **42-229**

PROJECT:

291	Analyses of Copper/Silver	2.80	\$814.80
258	Analyses of Lead/Zinc	1.80	464.40
33	Analyses of Tin	4.00	132.00
101	Analyses of Tungsten	4.25	429.25
291	Soil sample prep.	.70	<u>203.70</u>

TOTAL: \$2044.15

7376-40

Prices O. K.
Ext. C. K.
Quantity C. K.
Charge to No. <u>7376-40</u>
Approved

APPENDIX II

GLENN A. FRASER

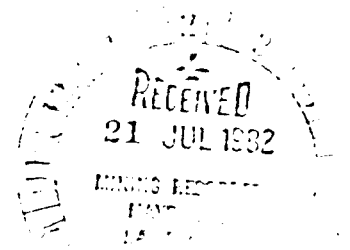
ADDRESS: #201 - 19 Roundel Road,
Whitehorse, Yukon Territory.
Y1A 3H3

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.

SUMMARY OF EXPENDITURES

MAC CLAIMS
JUNE 17 - JULY 10, 1982



HELICOPTER CHARGES

Northern Mountain Helicopters		
A - Star	5.0 hours @ 595\$/hour	2,975.00
fuel	5.0 hours @ 30 gal/hour @ 3.15\$/gal	472.50
206B	3.2 hours @ 500\$/hour	1,600.00
fuel	3.2 hours @ 22.5 gal/hour @ 3.15\$/gal	226.80

ASSAY CHARGES

Bondar - Clegg Ltd.		
80 soil samples @ 5.30\$/sample		424.00
(Cu/Pb/Zn/Ag and sample prep.)		
23 rock samples @ 7.35\$/sample		159.05
(Cu/Pb/Zn/Ag and sample prep.)		

SALARIES AND WAGES

7 mandays @ 110.00\$/day	770.00
14 mandays @ 65.00\$/day	910.00

CAMP COSTS

21 mandays @ 25\$/day	<u>525.00</u>
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TOTAL - \$ 8,062.35

091373