

# ASSESSMENT REPORTS

WHITEHORSE M.D.

MAP No. 105 F 11 TYPE OF WORK: TRENCHING

REPORT FILED UNDER	HUDSON BAY EXPLORATION AND DEVELOPMENT LTD.	
DATE PERFORMED	AUGUST 1985	DATE FILED: OCTOBER 18, 1985
LOCATION - LAT.	61°08'N	
	133°18'W	
CLAIM Nos.	MOX 1-14	YA24721-YA24734
	MOX 16	YA24736
	MOX 21-60	YA24741-YA24780
WORK DONE BY	HUDSON BAY EXPLORATION AND DEVELOPMENT LTD.	
WORK DONE FOR	HUDSON BAY EXPLORATION AND DEVELOPMENT LTD.	
REMARKS	<p>091675</p> <p>Work in 1985 included hand trenching and detailed sampling of known mineralized areas and geochemical anomalies which had been defined previously. Potential tonnages are believed to be low as some of the better silver values are located in a calc-silicate roof pendant within a granitic intrusive.</p> <p>10x 85 p. 126 ✓</p>	

HUDSON BAY EXPLORATION AND DEVELOPMENT

COMPANY LIMITED

ASSESSMENT REPORT

ON

MOX CLAIMS (1-14, 16, 21-60)

(YA24721-34, YA24736, YA24741-80)

61°08'N, 133°18'W

TRENCHING PROGRAM

WHITEHORSE MINING DISTRICT

YUKON TERRITORY

AUGUST 1985

G. BIDWELL

OCTOBER 1985



091675

TABLE OF CONTENTS

	<u>Page</u>
1. INTRODUCTION.....	1
2. LOCATION AND ACCESS.....	1
3. PERSONNEL.....	3
4. CLAIM OWNERSHIP.....	3
5. GEOLOGY.....	3
6. 1985 PROGRAM AND RESULTS.....	6
7. CONCLUSIONS AND RECOMMENDATIONS.....	11

APPENDIX I - REVIEW OF EXPENDITURES

APPENDIX II - QUALIFICATIONS: G. BIDWELL

APPENDIX III - ASSAY LAB REPORTS

APPENDIX IV - ANALYTICAL METHODS

FIGURES: 1. MOX CLAIMS: AREA MAP.....	2
2. MOX CLAIMS: CLAIM LOCATION.....	4
3. MOX CLAIMS: GEOLOGICAL MAP.....	5
4. MOX CLAIMS: TRENCH "A".....	7

1. INTRODUCTION:

The MOX Claims, originally comprising 60 claims, were staked by Canadian Occidental Petroleum Ltd. in June 1979, to cover anomalous stream sediment values (U, F, Pb) detected in a GSC Reconnaissance Geochem Program. In 1979-80 Canadian Occidental completed reconnaissance and detailed geological mapping and multi-media geochemical surveys on the claims. The results of the field work indicated high rock geochemistry with up to 1.1% zinc and lead and 65 gm/tonne silver. Two extensive Pb, Zn, Cu soil anomalies were outlined.

In 1981 additional mapping and soil geochemistry were carried out along with VLF-EM and magnetometer surveys. Several anomalous Pb, Zn, Ag areas were outlined, most of which could be related to skarn development along carbonate/intrusive contacts. Magnetic and electromagnetic anomalies were also located but widely spaced lines made interpretation difficult.

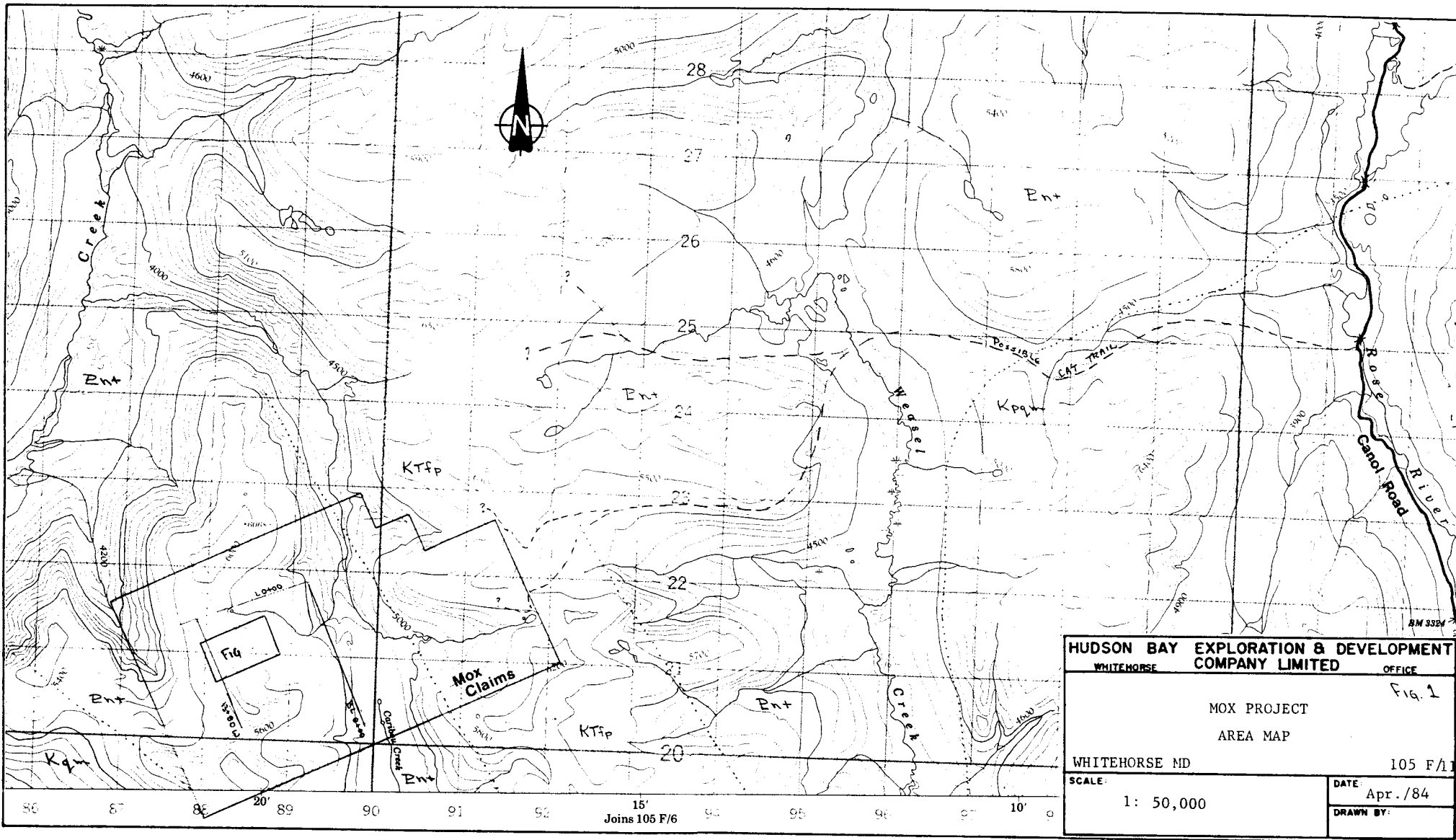
In 1984 the property was optioned to Hudson Bay Exploration and Development Co. Ltd. Fill-in soil geochemistry defined specific areas of Ag, Pb, Zn mineralization and trenching was recommended in the source areas. VLF-EM and magnetic surveys were also undertaken but the results were of little value in defining targets. The 1985 program carried out the recommended trenching and detailed mapping.

2. LOCATION AND ACCESS:

The MOX Claim group is located at 61°30'N latitude, 133°18'W longitude in NTS map sheet 105F/11, Whitehorse Mining District, Yukon Territory. The claims are located at the head of Caribou Creek approximately 11 km west of the South Canal Road and 130 km northeast of Whitehorse (figure 1).

Access to the claims is via helicopter. The South Canal Road is open for summer-use only.

Elevations on the claim group vary up 6300 ft. above sea level and most of the property is above treeline. The main area of interest is along the south-east slope of a northeast trending ridge at 5500 to 6000 foot elevations.



3. PERSONNEL:

A four man crew spent the period July 31 to August 6, 1985 on the claim group. Personnel involved were:

Supervisor - G. E. Bidwell  
Geologist - K. Galambos  
Geol. Technician - S. Tufford  
Geol. Technican - V. Celuszak

4. CLAIM OWNERSHIP:

This report covers the MOX Claims 1-14, 16, 21-60 (YA24721-734, YA 24736, YA24741-780) as indicated on figure 2. This group totals 55 full sized contiguous quartz claims. The claims are presently under option by Hudson Bay Exploration and Development Company Limited from Canadian Occidental Petroleum Ltd.

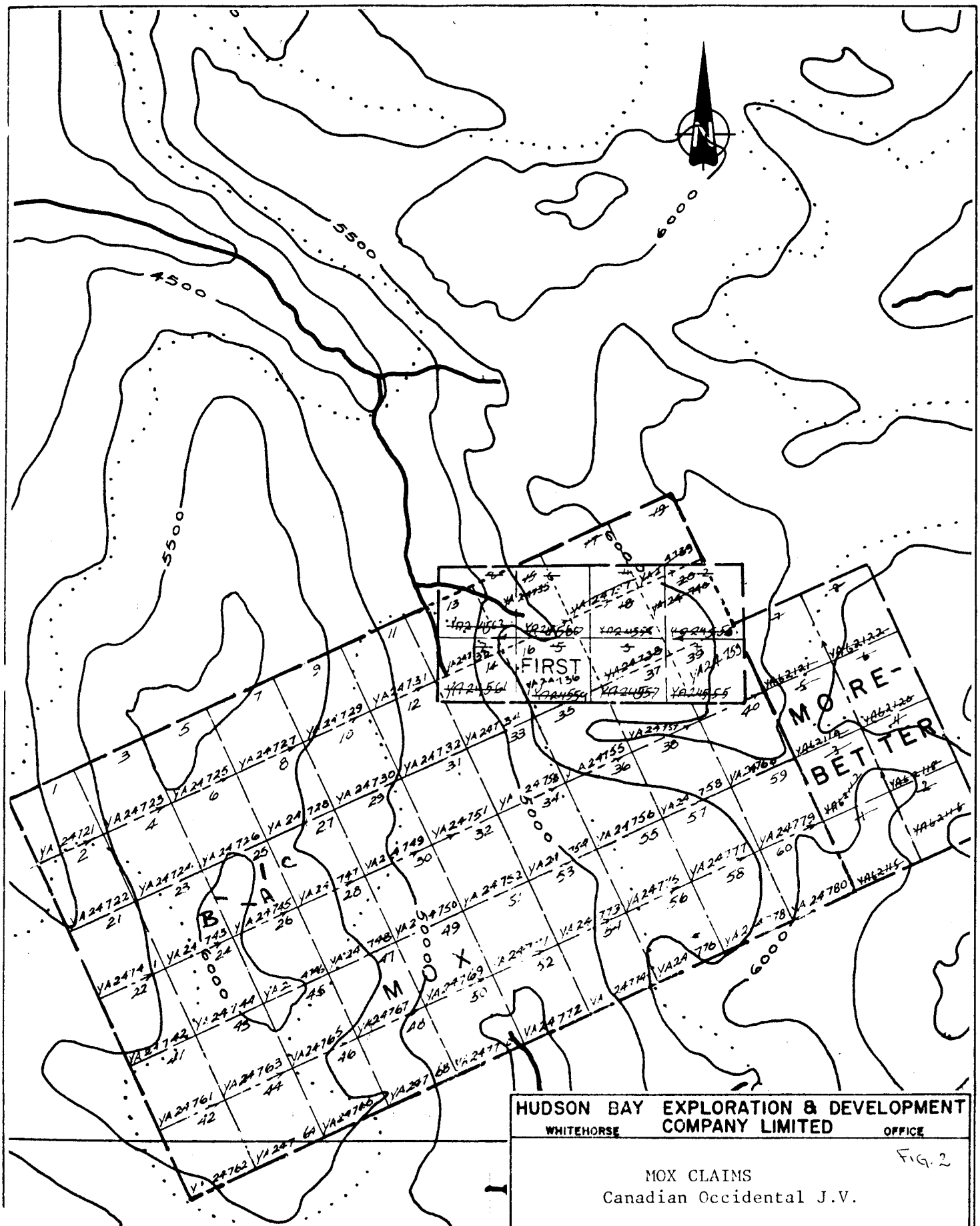
The address of Hudson Bay Exploration and Development is 100-10 Burns Road, Whitehorse, Yukon. Y1A 4Y9

The address of Canadian Occidental is Minerals Division - 165 Rexdale Boulevard, Rexdale, Ontario. M9W 1P7

5. GEOLOGY:

The property is underlain by regionally metamorphosed Proterozoic and lower Paleozoic sediments intruded by a multi-phase suite of Cretaceous acid intrusives. A later complex of aplite and pegmatite dikes is also evident followed by young quartz feldspar porphyry dikes and quartz veins.

The metasediments are a complexly folded interlayered sequence of paragneiss, calc-silicates, limestone and quartzite. In the area of interest many of the exposures of the metasediments give the impression of being local rafted blocks or xenoliths in the acid intrusives. The dominant metasediment is a fine grained biotite feldspar paragneiss. The unit is grey to buff but often weathers reddish brown due to limonite and minor pyrite occurs in some sections. Its contacts with the quartz monzonite are often gradational. The calc-silicate unit refers to any strata containing abundant calc-silicate minerals including skarns. The unit is generally well banded and often interlayered with recrystallized limestone and paragneiss. The calc-silicate is white to pale green and composed mainly of quartz, diopside, calcite and garnet with minor epidote and actinolite. Limestone occurs as well bedded layers of



HUDSON BAY EXPLORATION & DEVELOPMENT  
 WHITEHORSE COMPANY LIMITED OFFICE

MOX CLAIMS  
 Canadian Occidental J.V.

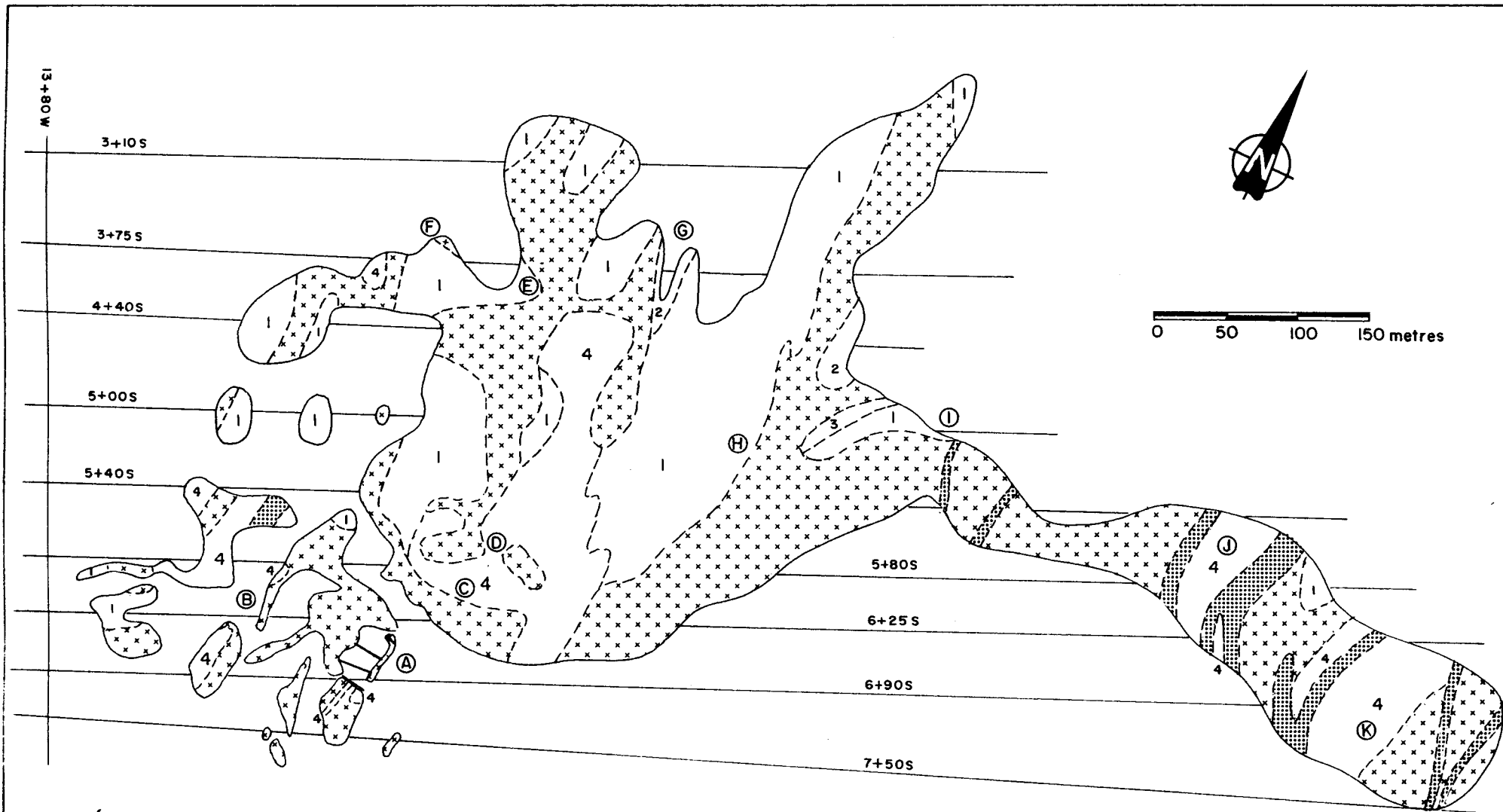
Moose Ck., Yukon







105F/11

SCALE:  
 1 inch = 1/2 mile

DATE:  
 April/84  
 DRAWN BY:

Fig. 2



-  Quartz feldspar porphyry
-  Quartz monzonite
-  Calc silicate
-  Quartzite
-  Limestone
-  Paragneiss

Ⓒ Ag-Pb-Zn anomaly

**HUDSON BAY EXPLORATION & DEVELOPMENT  
WHITEHORSE COMPANY LIMITED OFFICE**

MOX OPTION  
MAPPING & SAMPLING - 1985

Fig. 3

SCALE:

DATE: Sept/85

DRAWN BY:





medium grained recrystallized limestone. The unit has a distinctive sugary texture which crumbles easily forming light brown talus. Quartzite usually occurs as massive thick beds; it is fine grained, compact and commonly limonite stained with disseminated pyrite or pyrrhotite.

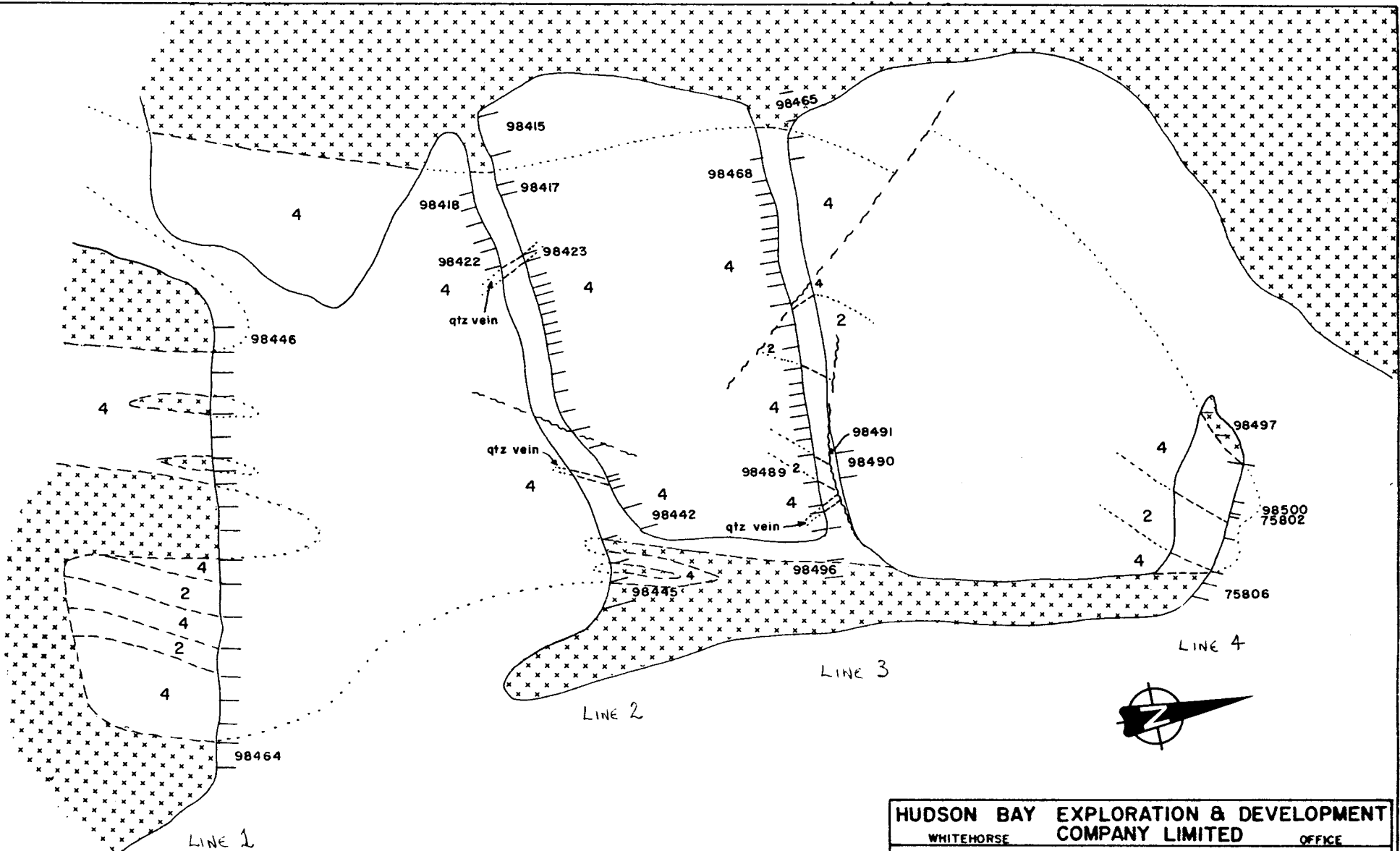
The dominant rock type is an acid intrusive suite of Cretaceous age grading from biotite grandiorite to quartz monzonite. The unit is light grey, fine-medium grained, equigranular and massive. According to GSC mapping the pluton is centered to the southwest of the area of interest. Small pegmatitic and aplitic bodies cross-cut the quartz monzonite but are rarely large enough to map. Quartz feldspar porphyry dikes are abundant on the eastern portion of figure 2. The unit is dark green to tan (leached) with small phenocrysts in an aphanitic quartz-feldspathic groundmass. It weathers recessively and breaks easily along cleavage planes and often has black manganese oxide staining. The dikes vary in width from 1 to 6 metres. A major dike swarm of this unit has been mapped by the GSC with a northwest orientation and passes 2 km east of the area.





#### 6. 1985 PROGRAM:

A four-man crew spent the period July 31 to August 6 on the claim group. The purpose of the work was to carry out hand trenching and detailed sampling on the mineralized showings and geochemical soil anomalies outlined by previous exploration. The areas trenched are located as Anomalies A, B and C on figure 3.

#### ANOMALY A (6+60S/11+50W)

Previous work by Canadian Occidental and HBED had obtained values up to 103 oz Ag and 7% Pb-Zn across 1.0 metre in this area. Two trenches totalling 45.5 metres and detailed mapping and sampling was carried out to investigate the mineralization. The results are shown on figures 3 and 4. The mapping indicates that the metasedimentary package hosting the mineralization is an inlier or roof pendant within the quartz monzonite. This is particularly obvious along the eastern and northern contacts where the quartz monzonite can be seen to roll beneath the sediments. The size potential for the mineralization is therefore very limited. On the weathered surface the mineralized rocks have a distinctive black oxide coating. Sampling results of the two trenches and two outcrops give values up to 1693 gm/tonne Ag, 3% Pb-Zn over 2.50 metres or 776 gm Ag, 2.2% Pb-Zn over 10.4 metres on Line 3.



-  Quartz monzonite
-  Calc silicate
-  Limestone
-  98416 Rock sample no.


**HUDSON BAY EXPLORATION & DEVELOPMENT COMPANY LIMITED**  
 WHITEHORSE OFFICE

MOX OPTION  
 ANOMALY "A"

Fig. 4

SCALE:

DATE: Sept/85

DRAWN BY: 

FROM	TO	SAMPLE No.	WIDTH (metres)	SILVER (gm/tonne)	LEAD (%)	ZINC (%)
-----						
Anomaly "A" - Line 1						
0.00	1.00	98446	1.00	0.4	0.01	0.03
1.00	2.00	98447	1.00	15.0	0.02	0.04
2.00	3.00	98448	1.00	6.0	0.01	0.03
3.00	3.70	98449	0.70	0.4	0.00	0.01
3.70	4.70	98450	1.00	100.5	0.65	0.68
4.70	5.70	98451	1.00	19.0	0.12	0.15
5.70	6.16	98452	0.46	0.5	0.01	0.01
6.16	6.80	98453	0.64	3.6	0.03	0.05
6.80	7.80	98454	1.00	0.3	0.00	0.01
7.80	8.80	98455	1.00	10.0	0.02	0.03
8.80	10.20	98456	1.40	4.0	0.01	0.01
10.20	11.20	98457	1.00	10.0	0.05	0.09
11.20	12.70	98458	1.50	3.9	0.00	0.01
12.70	14.00	98459	1.30	4.7	0.04	0.09
14.00	15.20	98460	1.20	4.4	0.04	0.09
15.20	16.20	98461	1.00	109.0	0.91	0.78
16.20	17.20	98462	1.00	2.0	0.01	0.02
17.20	18.10	98463	0.90	0.4	0.00	0.01
18.10	19.10	98464	1.00	1.0	0.00	0.02
-----						
0.00	19.10	ave.	19.10	15.7	0.10	0.11
-----						
Line 2						
0.00	1.80	98415	1.80	0.9	0.02	0.02
1.80	3.00	98416	1.20	2.5	0.04	0.02
3.00	3.50	98417	0.50	27.0	0.19	0.19
3.50	4.15	98418	0.65	544.5	0.97	0.95
4.15	5.00	98419	0.85	80.9	0.18	0.15
5.00	5.90	98420	0.90	97.0	1.46	1.80
5.90	6.40	98421	0.50	686.7	1.29	1.00
6.40	7.25	98422	0.85	66.9	0.63	0.54
7.25	7.70	98423	0.45	44.9	0.18	0.13
7.70	8.30	98424	0.60	13.0	0.10	0.16
8.30	8.80	98425	0.50	9.0	0.55	0.44
8.80	9.30	98426	0.50	236.9	2.80	2.64
9.30	9.80	98427	0.50	20.0	0.39	0.48
9.80	10.30	98428	0.50	74.4	2.14	2.40
10.30	10.80	98429	0.50	87.4	1.58	1.80
10.80	11.30	98430	0.50	173.1	4.40	4.47
11.30	11.80	98431	0.50	166.3	0.33	0.62
11.80	12.30	98432	0.50	87.1	0.18	0.48
12.30	13.30	98433	1.00	5.0	0.02	0.18
13.30	14.30	98434	1.00	91.5	0.05	0.19
14.30	15.30	98435	1.00	19.0	0.28	0.24
15.30	16.30	98436	1.00	105.6	0.20	0.34
16.30	17.30	98437	1.00	36.0	0.11	0.26
17.30	17.90	98438	0.60	11.0	0.09	0.13
17.90	18.10	98439	0.20	7.2	0.02	0.07
18.10	19.10	98440	1.00	22.0	0.05	0.10
19.10	20.10	98441	1.00	6.6	0.02	0.09
20.10	21.10	98442	1.00	7.0	0.01	0.05
21.10	22.10	98443	1.00	1.3	0.00	0.02
22.10	23.30	98444	1.20	1.1	0.00	0.02
23.30	24.30	98445	1.00	3.0	0.02	0.02
-----						
0.00	24.30	ave.	24.30	69.5	0.44	0.49
3.50	6.40	or	2.90	294.3	0.95	0.99
8.80	11.80	or	3.00	126.4	1.94	2.07
3.50	11.80	or	8.30	159.3	1.15	1.19

Line 3

0.00	0.80	98465	0.80	1.0	0.01	0.01
0.80	1.90	98466	1.10	0.4	0.00	0.00
1.90	2.60	98467	0.70	2.4	0.01	0.02
2.60	3.60	98468	1.00	372.3	0.91	1.44
3.60	4.10	98469	0.50	15.0	0.06	0.34
4.10	4.60	98470	0.50	23.0	0.11	0.38
4.60	5.10	98471	0.50	489.3	0.70	0.80
5.10	5.60	98472	0.50	1223.3	2.54	2.72
5.60	6.10	98473	0.50	2279.0	0.95	1.44
6.10	6.60	98474	0.50	1700.6	1.15	1.44
6.60	7.10	98475	0.50	1265.8	1.12	1.40
7.10	7.60	98476	0.50	1998.9	0.98	1.39
7.60	8.10	98477	0.50	567.4	3.45	4.10
8.10	9.00	98478	0.90	47.0	0.15	0.30
9.00	10.00	98479	1.00	1158.5	2.33	2.12
10.00	11.00	98480	1.00	402.2	0.76	0.67
11.00	12.00	98481	1.00	19.0	0.05	0.12
12.00	12.50	98482	0.50	805.4	0.42	0.64
12.50	13.00	98483	0.50	1793.8	0.85	1.04
13.00	13.50	98484	0.50	107.0	0.27	0.42
13.50	14.00	98485	0.50	86.4	0.34	0.45
14.00	14.50	98486	0.50	117.6	0.29	0.48
14.50	15.00	98487	0.50	66.9	0.31	0.32
15.00	15.70	98488	0.70	142.3	0.18	0.24
15.70	16.90	98489	1.20	176.6	0.33	0.40
15.70	16.90	98490	1.20	7.9	0.02	0.14
15.30	16.50	98491	1.20	10.0	0.09	0.16
16.90	17.80	98492	0.90	231.8	0.50	0.38
17.80	18.05	98493	0.25	23.0	0.08	0.26
18.05	19.05	98494	1.00	28.0	0.10	0.16
19.05	20.20	98495	1.15	5.2	0.02	0.06
20.20	21.20	98496	1.00	1.5	0.00	0.03
-----						
0.00	21.20	ave.	21.20	411.7	0.56	0.68
5.10	7.60	or	2.50	1693.5	1.35	1.68
5.10	13.00	or	7.90	941.7	1.14	1.30
2.60	13.00	or	10.40	776.4	1.00	1.20

Line 4

0.00	0.65	98497	0.65	2.2	0.00	0.03
0.65	2.00	98498	1.35	1.8	0.00	0.02
2.00	3.50	98499	1.50	92.6	0.06	0.11
3.50	4.10	98500	0.60	25.0	0.10	0.28
4.10	4.20	75802	0.10	2.3	0.02	0.02
4.20	5.20	75803	1.00	19.0	0.08	0.18
5.20	6.60	75804	1.40	2.3	0.02	0.02
6.60	7.30	75805	0.70	3.3	0.01	0.06
7.30	8.00	75806	0.70	0.5	0.00	0.02
-----						
0.00	8.00	ave.	8.00	22.9	0.03	0.08

Anomaly "B"

		75807	1.50	0.3	0.00	0.01
0.00	5.00	75808	5.00	0.4	0.00	0.01
5.00	10.00	75809	5.00	1.3	0.00	0.01
10.00	15.00	75810	5.00	0.4	0.00	0.01
15.00	20.00	75811	5.00	1.9	0.01	0.02
		75812	1.00	31.0	0.09	0.09

Anomaly "C"

0.00	1.60	75816	1.60	7.0	0.04	0.05
1.60	3.20	75817	1.60	94.3	0.57	0.45
3.20	4.00	75818	0.80	151.9	2.76	2.95
4.00	4.50	75819	0.50	216.3	0.18	0.25

Anomaly "D"

75813	grab	30.0	3.88	4.22
75814	3.00	73.7	1.64	1.16
75815	1.50	441.9	1.74	1.84

Anomaly "E"

75820	1.00	0.4	0.01	0.01
75821	1.00	2.6	0.00	0.01
75822	float	0.4	0.00	0.01

Anomaly "F"

75823	1.50	0.5	0.00	0.01
75824	1.00	0.6	0.00	0.00

Anomaly "G"

75825	1.00	733.4	0.68	0.94
75826	1.00	133.4	0.13	0.17
75827	1.00	19.0	0.04	0.06
75828	0.80	44.0	0.40	0.54
75829	1.00	115.5	0.36	0.75
75831	0.20	12.0	0.01	0.01

Anomaly "H"

75830	float	8.8	0.02	0.05
-------	-------	-----	------	------

Anomaly "I"

75832	1.50	6.6	0.03	0.09
75833	1.00	1.2	0.01	0.40

Anomaly "J"

75834	1.50	14.0	1.02	1.02
75835	1.00	6.0	0.91	0.84
75836	0.30	294.9	1.24	1.30
75837	1.00	95.0	1.34	1.48
75838	0.20	45.0	1.56	1.60

Anomaly "K"

75839	float	15.0	1.30	1.32
75840	float	48.0	9.25	9.50
75841	float	110.7	1.46	1.55

Values along strike (040 degrees, dips 55 west) at Lines 2 and 4 were lower. See assay results at the end of this report for details.

ANOMALY B (6+25S/12+30W)

A strong silver-lead soil anomaly trending northwest was traced up slope to this point. A small shear zone trending 050 is present locally bring calc-silicate in fault contact with quartz monzonite. A one metre sample from a small trench across the shear assayed 31 gm/tonne Ag. Four other samples in the area from unsheared calc-silicates and limestones gave background values.

ANOMALY C (6+15S/10+80W)

A 10 ppm Ag/560 ppm Pb soil anomaly was traced to a metasediment/intrusive contact. Trenching revealed disseminated galena and sphalerite in a garnet diopside skarn grading 175 gms Ag over 1.3 metres. Adjoining limestone gave low values (#75816). The sediments strike north-south and dip 30 degrees west.

7. CONCLUSIONS AND RECOMMENDATIONS:

Earlier work on the MOX Claims suggested three types of mineralization are present on the property: (1) skarn mineralization, (2) syngenetic mineralization in limestones and (3) veins or fracture related mineralization. The present study concludes that the "syngenetic" mineralization may have had a sedimentary origin but has now been localized and concentrated at or near intrusive contacts. Almost all the silver-lead-zinc soil anomalies were traced to bedrock sources and in all cases the mineralization was confined to a calc-silicate host unit which was generally within 5 metres of an intrusive contact and usually less. In hand specimens the galena and sphalerite are often fine grained and disseminated which may suggest syngenetic mineralization but in outcrop scale the discontinuous lensoid nature and the obvious spacial relationship to the intrusives are evident. Small narrow quartz veins are abundant on the property but pyrite and pyrrhotite were the only sulphides seen within them. One of the silver-lead soil anomalies (b) may be related to minor mineralization along a shear.

The field observations and assay results suggest that the silver-lead-zinc mineralization on the MOX claims is confined to banded skarn and calc-silicate units in close proximity to quartz monzonite intrusives. This implies a contact metamorphic origin or at least reconcentration of perhaps earlier syngenetic mineralization along the intrusive contact. In either case the bedrock exposure is sufficient to obtain a reasonable picture of the style of the mineralization. The maximum strike length of the known occurrences are in the order of a few tens of metres. Down dip potential is similiarly poor as at least some of the anomalies appear to be shallow pendants in the quartz monzonite.

No further work is recommended on the property for the present time.

G. E. Bidwell

A handwritten signature in black ink, appearing to be 'G. E. Bidwell', located in the bottom right corner of the page.

APPENDIX I

REVIEW OF EXPENDITURES - 1985

MOX CLAIMS

SALARIES: (1) G. Bidwell - supervisor and report preparation - 5 days @ \$200.00	1,000.00	
(2) S. Tufford - technician 5 days @ \$120.00	600.00	
(3) V. Celuszak - technician 5 days @ \$110.00	<u>550.00</u>	2,150.00
CAMP COSTS: 5 days x 2 men x \$25/day		250.00
HELICOPTER: As per charter tickets		1,376.44
EXPLOSIVES: as per invoice		270.02
ASSAY CHARGES: As per invoice		<u>1,502.05</u>
Total -		\$ 5,548.71



**NORTHERN MOUNTAIN HELICOPTERS INC.**

**CHARTER AND CONTRACT TICKET**

Charge To: <u>Hudson Bay Exploration</u>		Date: <u>AUG 6/85</u>
<u>100-10 Burns Road</u>		Phone
<u>WHITE HORSE YIA 4Y9</u>		P.O.
Pilot: <u>AMM(EW)</u>	Eng.	App.
Cash	Cheque	Charge <input checked="" type="checkbox"/>
A/C Type: <u>2060</u>	A/C Reg: <u>B5H</u>	Area
Base: <u>KAM</u>		

From <u>KAM</u>	To (1)
To (2) <u>MOU OUT CAMP</u>	To (3)
To (4)	To (5)
To (6) <u>1311-86</u>	To (7)
To (8)	To (9)

Charter Rate <u>1.0</u>	Hours at \$ <u>500.00</u>	\$ <u>500.00</u>
Contract Rate	Hours at \$	
Fuel Charge <u>consideration fuel 23/3/20</u>		<u>73.60</u>
Pilot Expenses <u>NOTE</u>		
Cargo Insurance	Lifts. Insured Value \$	
Other		

TERMS: Net 30 days. Service charge on overdue accounts. See reverse side. I personally guarantee payment of this charter.

Authorized by: [Signature]

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

TOTAL CHGE. 573.60

**28268**

- connected
- NMN FUEL
- AT 820 per
- gal:
- 
- 
- long for mess
- THE FUEL IS
- CORUKIARAN
- 23/3/20 per [Signature]
- 
- 

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

No. of Departures: <u>4</u>	No. of Passengers: <u>7</u>	No. of hours flown: <u>1.0</u>	N/R Hrs.: <u>-</u>	Base or designated Pt.: <u>X5</u>
Lbs. cargo: <u>1500</u>	Miles flown:	Class of flying:	<u>4</u>	

**NORTHERN MOUNTAIN HELICOPTERS INC.**

**CHARTER AND CONTRACT TICKET**

Charge To: <u>Hudson Bay Exploration</u>		Date: <u>JULY 30/85</u>
<u>100-10 Burns Road</u>		Phone: <u>268-4580</u>
<u>WHITE HORSE YIA 4Y9</u>		P.O.
Pilot: <u>WIENMEYER</u>	Eng.	App.
Cash	Cheque	Charge <input checked="" type="checkbox"/>
A/C Type: <u>BH06</u>	A/C Reg: <u>BGRSH</u>	Area: <u>ROSE LAKE</u>
Base: <u>KAM</u>		

From <u>CAMP - ROSEHK</u>	To (1)	<u>3</u>
To (2) <u>MOU CAMP</u>	To (3)	<u>18</u>
To (4) <u>ROSE HK - CAMP</u>	To (5)	<u>3</u>
To (6)	To (7)	<u>1.4</u>
To (8)	To (9)	

Charter Rate <u>1.4</u>	Hours at \$ <u>500</u>	\$ <u>700.00</u>
Contract Rate	Hours at \$	
Fuel Charge <u>1.4 @ 3.20/IMP GAL</u>		<u>103.04</u>
Pilot Expenses		
Cargo Insurance	Lifts. Insured Value \$	
Other		

TERMS: Net 30 days. Service charge on overdue accounts. See reverse side. I personally guarantee payment of this charter.

Authorized by: [Signature]

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

TOTAL CHGE. 803.04

**31776**

- 7.7311-86
- 
- 
- 
- 
- 

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

No. of Departures: <u>4</u>	No. of Passengers: <u>4</u>	No. of hours flown: <u>1.4</u>	N/R Hrs.: <u>-</u>	Base or designated Pt.: <u>X5</u>
Lbs. cargo: <u>1200</u>	Miles flown:	Class of flying:	<u>04</u>	

SHI. :	SHIP DATE 29/07/85 DAY / MO. / YR.	BRANCH WHITEHORSE	SHIP VIA:	COLLECT	LSM 2	ACCOUNT NO. Y46600
<b>I N V O I C E</b>						

TO: HUDSON BAY EXPL. & DEVELOPMENT  
100 - 10 BURNS ROAD  
WHITEHORSE, Y. T.  
Y1A 4Y9

PLEASE REMIT TO:

BOX 5247, STN. A  
CALGARY, ALBERTA  
T2H 1X6  
PHONE (403) 255-7776  
TELEX 038-21661



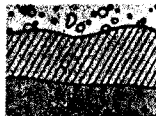
PO NUMBER	PARTY/JOB	DEST	FEDERAL TAX NO	PROVINCIAL TAX NO	INV. DATE	INVOICE NO.	COPIES	
		4	PRT 13-3		22/08/85 DAY / MO. / YR.	2393	3	
ITEM NO.	DESCRIPTION	ORDERED	SHIP'D	PRICE	PER	EXTENSION	UNIT FST	EXT. FST
120-2050	FORCITE 40% 25 X 200MM	25	25	456.85	C	114.21		*
221-5040	4M SAFETY FUSE ASSEMBLY	30	30	229.70	C	68.91		*
401-1510	THERMALITE IGNITER CORD 10M SLOW	20	20	59.20	C	11.84		*
660-1077	209HWS LANTERN	1	1	21.62	EA	21.62		*
501-1140	1/4" POLYPROPYLENE ROPE	50	50	3.28	C	1.64		*
	MAQ CHARGE					40.00		
440-4005	PLASTIC HANDLE POWDER PUNCH	1	1	11.80	E	11.80		*
<b>TOTALS</b>						<b>270.02</b>		

7311-56

\* ITEMS ARE PRICED WITHOUT FST. PLEASE PROVIDE A CERTIFIED PURCHASE ORDER

PAY THIS AMOUNT  
\$270.02

SNAPPY BUSINESS FORMS LTD.



HUDSON BAY EXPLORATION AND DEVELOPMENT CO. LTD.  
MR. G. BIDWELL  
100-10 BURNS ROAD  
WHITEHORSE, YUKON  
Y1A 4Y9

Invoice : 18110. Page 1

Date : 15-AUG-85

Report No: 125-2094

Project : 7311-89

Reference:

BCC WHSE 45-220

128 Analyses of Silver	at \$ 2.00	\$ 256.00	
128 Analyses of Lead	at \$ 1.00	\$ 128.00	
128 Analyses of Zinc	at \$ 1.00	\$ 128.00	
Subtotal		\$ 512.00	\$ 512.00
Sample Preparation			
2 Samples of DRY. SIEVE -20	at \$ 0.90	\$ 1.80	
126 Samples of CRUSH.PULVERIZE -150	at \$ 3.25	\$ 409.50	
Subtotal		\$ 411.30	\$ 411.30

Invoice Total: \$ 923.30 Cdn

Bondar-Clegg & Company Ltd.

5420 Canotek Rd.,  
Ottawa, Ontario,  
Canada K1J 8X5  
Phone: (613) 749-2220  
Telex: 053-3233



HUDSON BAY EXPLORATION AND DEVELOPMENT CO. LTD.  
MR. G. RIDWELL  
100-10 BURNS ROAD  
WHITEHORSE, YUKON  
Y1A 4Y9

Invoice : 18293. Page 1

Date : 22-AUG-85

Report No: 625-3094

Project : 7311-89

Reference:

BCC WHSE 45-220

25 Analyses of Lead	at \$ 6.25	\$ 156.25	
10 Analyses of Zinc	at \$ 6.25	\$ 62.50	
Subtotal		\$ 218.75	\$ 218.75
48 Analyses of Silver	at \$ 7.50	\$ 360.00	
Subtotal		\$ 360.00	\$ 360.00
Invoice Total:			\$ 578.75 Cdn

THIS IS A PROFESSIONAL SERVICE  
ACCOUNTS DUE WHEN RENDERED

APPENDIX II

GERALD E. BIDWELL

ADDRESS: 62 Klondike Road,  
Whitehorse, Yukon Territory.  
Y1A 3M1

EDUCATION: B. A. (Geology)  
University of Saskatchewan, 1967.

EMPLOYMENT: 1967 - 1985 - Hudson Bay Exploration & Development Co. Ltd.  
1967 -70 - Mine geology, surface exploration,  
Snow Lake, Manitoba.  
1970 -76 - Supervisor of exploration programs,  
B, C. and Yukon.  
1976 -85 - District Manager, Whitehorse, Y. T.

APPENDIX III

ASSAY LAB REPORTS



REPORT: 125-2094

PROJECT: 7311

PAGE: 1

SAMPLE NUMBER	ELEMENT UNITS	PB PPM	ZN PPM	AG PPM	SAMPLE NUMBER	ELEMENT UNITS	PB PPM	ZN PPM	AG PPM
S1 C1		198	185	3.4	R2 75840		>10000	>20000	>50.0
S1 C2		135	100	1.6	R2 75841		>10000	15500	>50.0
R2 75802		195	218	2.3	R2 98415		208	240	0.9
R2 75803		835	1840	19.0	R2 98416		358	194	2.5
R2 75804		205	226	2.3	R2 98417		1910	1880	27.0
R2 75805		60	600	3.3	R2 98418		>10000	9500	>50.0
R2 75806		24	228	0.5	R2 98419		1800	1480	>50.0
R2 75807		20	61	0.3	R2 98420		>10000	18000	>50.0
R2 75808		24	87	0.4	R2 98421		>10000	10000	>50.0
R2 75809		38	117	1.3	R2 98422		6260	5400	>50.0
R2 75810		30	90	0.4	R2 98423		1750	1330	>50.0
R2 75811		91	150	1.9	R2 98424		1015	1640	13.0
R2 75812		885	900	31.0	R2 98425		5500	4400	9.0
R2 75813		>10000	>20000	30.0	R2 98426		>10000	>20000	>50.0
R2 75814		>10000	11600	>50.0	R2 98427		3890	4800	20.0
F 315		>10000	18400	>50.0	R2 98428		>10000	>20000	>50.0
R2 75816		420	500	7.0	R2 98429		>10000	>20000	>50.0
R2 75817		5740	4500	>50.0	R2 98430		>10000	>20000	>50.0
R2 75818		>10000	>20000	>50.0	R2 98431		3290	6200	>50.0
R2 75819		1840	2500	>50.0	R2 98432		1765	4800	>50.0
R2 75820		58	110	0.4	R2 98433		210	1800	5.0
R2 75821		40	110	2.6	R2 98434		475	1900	>50.0
R2 75822		20	53	0.4	R2 98435		2830	2400	19.0
R2 75823		36	111	0.5	R2 98436		1955	3400	>50.0
R2 75824		17	30	0.6	R2 98437		1050	2600	36.0
R2 75825		6750	9400	>50.0	R2 98438		940	1300	11.0
R2 75826		1300	1680	>50.0	R2 98439		169	730	7.2
R2 75827		367	630	19.0	R2 98440		490	980	22.0
R2 75828		4010	5400	44.0	R2 98441		245	940	6.6
R2 75829		3550	7500	>50.0	R2 98442		142	540	7.0
R2 75830		191	515	8.8	R2 98443		33	180	1.3
R2 75831		74	136	12.0	R2 98444		49	190	1.1
R2 75832		322	930	6.6	R2 98445		220	189	3.0
R2 75833		69	4000	1.2	R2 98446		121	302	0.4
R2 75834		>10000	10200	14.0	R2 98447		163	410	15.0
R2 75835		9120	8400	6.0	R2 98448		138	345	6.0
R2 75836		>10000	13000	>50.0	R2 98449		12	120	0.4
R2 75837		>10000	14800	>50.0	R2 98450		6460	6800	>50.0
R2 75838		>10000	16000	45.0	R2 98451		1160	1500	19.0
R2 75839		>10000	13200	15.0	R2 98452		58	81	0.5



REPORT#: 125-2094

PROJECT#: 7311

PAGE: 2

SAMPLE NUMBER	ELEMENT UNITS	PB PPM	ZN PPM	AG PPM	SAMPLE NUMBER	ELEMENT UNITS	PB PPM	ZN PPM	AG PPM
R2 98453		268	540	3.6	R2 98493		810	2600	23.0
R2 98454		28	132	0.3	R2 98494		965	1600	28.0
R2 98455		150	250	10.0	R2 98495		156	640	5.2
R2 98456		63	143	4.0	R2 98496		45	255	1.5
R2 98457		525	860	10.0	R2 98497		44	270	2.2
R2 98458		47	145	3.9	R2 98498		23	182	1.8
R2 98459		378	880	4.7	R2 98499		570	1050	>50.0
R2 98460		351	870	4.4	R2 98500		1015	2800	25.0
R2 98461		>10000	7800	>50.0					
R2 98462		51	172	2.0					
R2 98463		26	128	0.4					
R2 98464		31	153	1.0					
R2 98465		59	125	1.0					
R2 98466		34	36	0.4					
R2 98467		98	226	2.4					
R2 98468		9130	14400	>50.0					
R2 98469		640	3400	15.0					
R2 98470		1055	3800	23.0					
R2 98471		6960	8000	>50.0					
R2 98472		>10000	>20000	>50.0					
R2 98473		9540	14400	>50.0					
R2 98474		>10000	14400	>50.0					
R2 98475		>10000	14000	>50.0					
R2 98476		>10000	13900	>50.0					
R2 98477		>10000	>20000	>50.0					
R2 98478		1520	3000	47.0					
R2 98479		>10000	>20000	>50.0					
R2 98480		7570	6700	>50.0					
R2 98481		450	1240	19.0					
R2 98482		4190	6400	>50.0					
R2 98483		8540	10400	>50.0					
R2 98484		2710	4200	>50.0					
R2 98485		3400	4500	>50.0					
R2 98486		2930	4800	>50.0					
R2 98487		3140	3200	>50.0					
R2 98488		1755	2400	>50.0					
R2 98489		3300	4000	>50.0					
R2 98490		193	1380	7.9					
R2 98491		860	1550	10.0					
R2 98492		4950	3800	>50.0					





*Mox*

REPORT: 625-2094

LOT 45-200

PROJECT: 7311

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AG OPT	PB PCT	ZN PCT	SAMPLE NUMBER	ELEMENT UNITS	AG OPT	PB PCT	ZN PCT
R2 75813			3.88	4.22	R2 98479		33.79	2.33	2.12
R2 75814		2.15	1.64		R2 98480		11.73		
R2 75815		12.89	1.74		R2 98482		23.49		
R2 75817		2.75			R2 98483		52.32		
R2 75818		4.43	2.76	2.95	R2 98484		3.12		
R2 75819		6.31			R2 98485		2.52		
R2 75825		21.39			R2 98486		3.43		
R2 75826		3.89			R2 98487		1.95		
R2 75829		3.37			R2 98488		4.15		
R2 75834			1.02		R2 98489		5.15		
R2 75836		8.60	1.24		R2 98492		6.76		
R2 75837		2.77	1.34		R2 98499		2.70		
R2 75838			1.56						
R2 75839			1.30						
R2 75840		1.40	9.25	9.50					
R2 75841		3.23	1.46						
R2 98418		15.88	0.97						
R2 98419		2.36							
R2 98420		2.83	1.46						
R2 98421		20.03	1.29						
R2 98422		1.95							
R2 98423		1.31							
R2 98426		6.91	2.80	2.64					
R2 98428		2.17	2.14	2.40					
R2 98429		2.55	1.58	1.80					
R2 98430		5.05	4.40	4.47					
R2 98431		4.85							
R2 98432		2.54							
R2 98434		2.67							
R2 98436		3.08							
R2 98450		2.93							
R2 98461		3.18	0.91						
R2 98468		10.86							
R2 98471		14.27							
R2 98472		35.68	2.54	2.72					
R2 98473		66.47							
R2 98474		49.60	1.15						
R2 98475		36.92	1.12						
R2 98476		58.30	0.98						
R2 98477		16.55	3.45	4.10					

#### APPENDIX IV

Rock samples are pulverized and a split of the minus 150 mesh fraction is analysed.

Lead, zinc and silver are analysed by atomic absorption techniques. The sample is dissolved in hot aqua regia. Higher values are checked using a nitric acid digestion.