MAP NO.	**ASSESSMENT REPORT**	X	**DOCUMENT NO.:**	092042
	PROSPECTUS		**MINING DISTRICT:**	WHITEHORSE
	CONFIDENTIAL	X	**TYPE OF WORK:**	DIAMOND DRILLING
105 D 10,11,14	**OPEN FILE**		I.S.N. 134690	

REPORT FILED UNDER: Whitehorse Copper Mines

DATE PERFORMED: May - December 1985 **DATE FILED:** January 23, 1986

LOCATION: **LAT.:** 60°37'N **AREA:** Whitehorse

LONG.: 135°05'W **VALUE $:**

CLAIM NAME & NO.: MAC 8 76394; PIT 2 85095; PIT 9 85836; ACE 1 85428; ACE 44 85464

WORK DONE BY: G. Bidwell

WORK DONE FOR: Whitehorse Copper Mines

DATE TO GOOD STANDING		**REMARKS:** #152 COWLEY PARK

ASSESSMENT REPORT

ON

WHITEHORSE COPPER MINES PROPERTY

MAC 8 (76394)

PIT 2 (85095)

PIT 9 (85836)

ACE 1 (85428)

ACE 44 (85464)

DRILLING PROGRAMS

WHITEHORSE MINING DISTRICT

YUKON TERRITORY

MAY - DECEMBER 1985

092042

G. BIDWELL

JANUARY 1986

~~092789~~

TABLE OF CONTENTS

1. INTRODUCTION

The Whitehorse copperbelt is a 30 km long zone of over 30 copper-bearing skarn occurrences located to the west of Whitehorse, Yukon Territory. In the period 1967 to Dec. 1982 Whitehorse Copper Mines milled 10,247,000 tonnes of ore from six open pits and an underground operation at the Little Chief deposit. The bulk of the tonnage (7.25 millon) came from the Little Chief deposit. The recovered grades were 1.20% Cu, 0.69 gm/tonne gold and 8.7 gm/tonne silver.

Since production stopped in 1982 exploration on the property has been limited to necessary expenditures required to keep the bulk of the claims in good standing.

2. LOCATION AND ACCESS

The Whitehorse copperbelt is located in the Whitehorse Mining District predominantly within the city limits of Whitehorse. The copper-gold occurrences are localized in skarnified carbonate along a Cretaceous intrusive contact. The linear trend of the occurrences parallels the Alaska Highway 3 km to the west of the road (see Fig. 1).

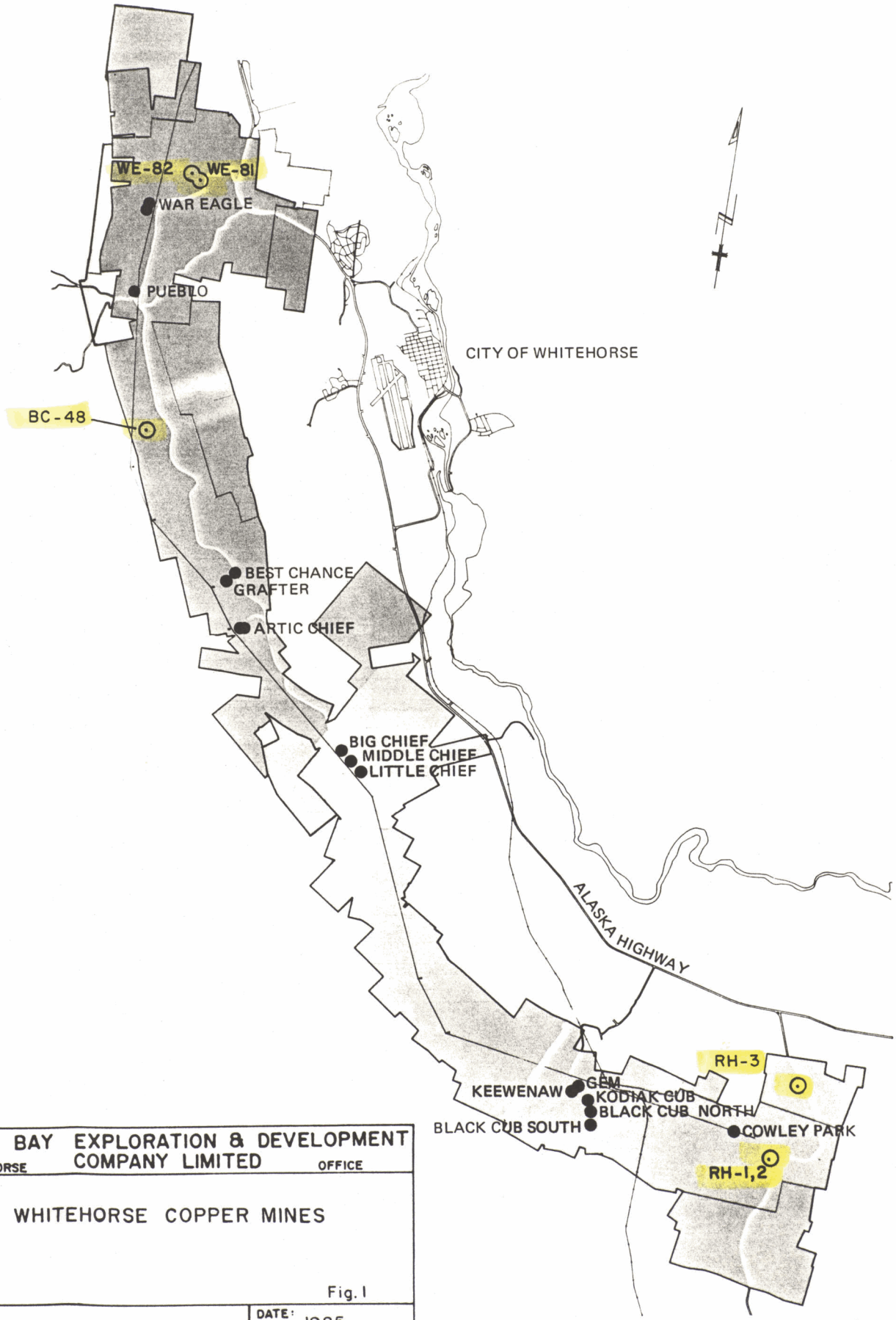
Access to the copperbelt is available at several points along the Alaska Highway. The main entry points are the Fish Lake road in the northern section, WCM plant site access road in the central portion and the Carcross Road in the southern section. A mine haulage road runs the length of the copperbelt.

3. PERSONNEL

Drill contractor - E. Caron Diamond Drilling Limited
Supervisor - G. Bidwell

4. CLAIM OWNERSHIP

The holdings of Whitehorse Copper Mines, a wholly owned subsidiary of Hudson Bay Mining and Smelting Co. Ltd. consist of 674 quartz claims, 27 crown grants, 9 Mineral leases and 5 surface leases in the Copperbelt area. The claims are located on claim maps 105 D/10, 11 and 14 centered at $60^{o}37'N$ and $135^{o}05'W$.



HUDSON BAY EXPLORATION & DEVELOPMENT COMPANY LIMITED

WHITEHORSE OFFICE

WHITEHORSE COPPER MINES

Fig. 1

SCALE: 1 inch = 2 miles (approx.)

DATE: 1985

DRAWN BY:

092042

5. DIAMOND DRILLING

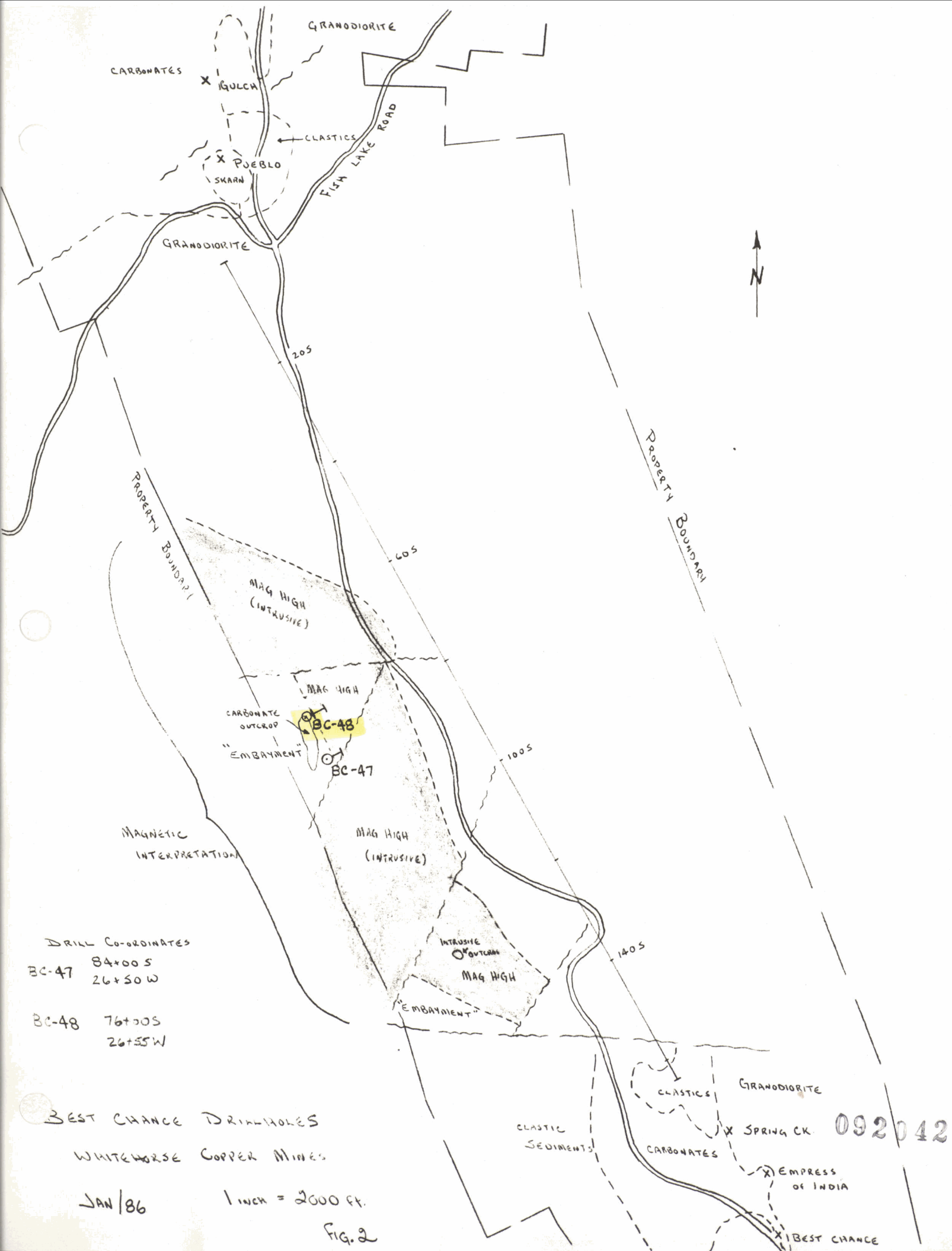
Two periods of diamond drilling were carried out in 1985. In May drilling was reactivated on a hole which had been shut down in December 1984, due to lack of water. The hole, BC-48, is located on the Best Chance grid (see figures 1 and 2). A magnetic survey carried out earlier in 1984 indicated the sediment/intrusive contact passed through the area. The drill hole began in limestone, intersected 38.0 feet of garnet diopside skarn at the contact and bottomed in the quartz diorite intrusive. A 2.5 foot intersection of specular hematite and quartz in the skarn assayed 0.42% Cu, trace Au and 0.3 oz/ton Ag.

Two diamond drill holes totalling 733 feet were completed in November 1985, in the War Eagle area of the Copperbelt (see figures 1 and 3). The area of the drilling lies 3500 feet northeast of the War Eagle pit and 2000 feet west of the Rabbit's Foot showing.

Overburden is extensive in the area with a few subdued outcrops indicating the quartz diorite-sediment contact passes through the vicin ity with no clear definition. Early prospecting and trenching located copper-bearing skarn float sporadically mainly to the north of the present drill holes. Both IP and magnetic surveys were completed in the area by WCM in the early 70's.

Drill hole WE-81 was drilled at -50° to the east at 104N/4E on the War Eagle grid for 231 feet. Bedrock at 23.8 feet was quartz diorite and it remained in the intrusive throughout. The only sulphide was minor disseminated pyrite. Shearing from 83.0 to 148 feet was probably responsible for an EM anomaly in the area.

Drill hole WE-82 was drilled at -50° to the east at 108N/1W on the War Eagle grid. Bedrock was intersected at 42.0 feet. To 165.0 feet the hole is predominantly garnet diopside skarn and siliceous sediments with 15% quartz diorite and felsite dikes. From 165.0 to 502.0 (end of hole) quartz diorite dominates with 25% garnet diopside skarn and skarnified sediments. Only minor dissemianted pyrite was present.



DRILL CO-ORDINATES

BC-47 84+00 S
26+50 W

BC-48 76+00S
26+55W

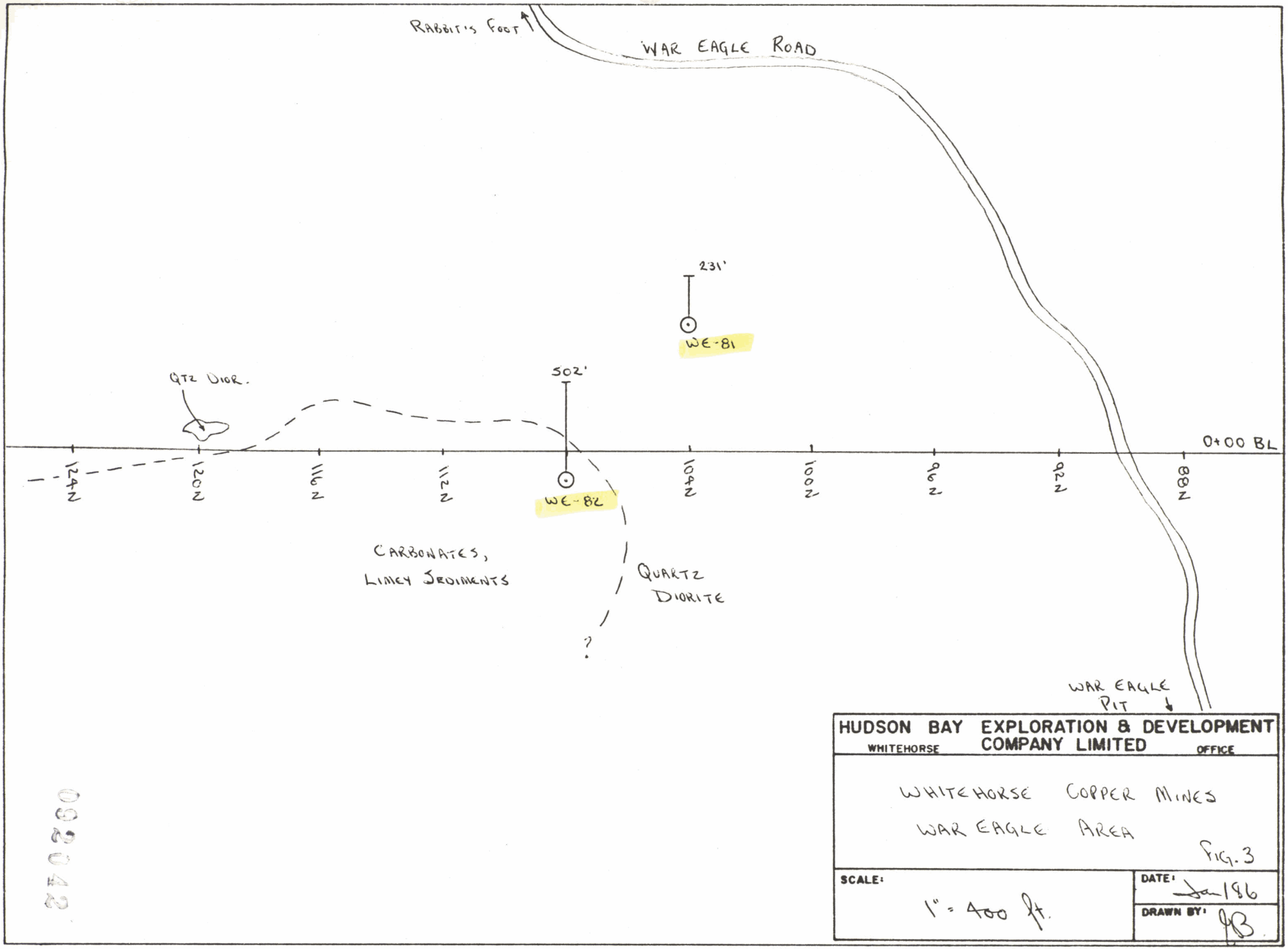
BEST CHANCE DRILLHOLES

WHITEHORSE COPPER MINES

JAN/86 1 INCH = 2000 FT.

FIG. 2

092042



HUDSON BAY EXPLORATION & DEVELOPMENT COMPANY LIMITED

WHITEHORSE OFFICE

WHITEHORSE COPPER MINES

WAR EAGLE AREA

FIG. 3

SCALE: 1" = 400 ft.

DATE: Jan 1986

DRAWN BY: JB

090043

6. ROTARY DRILLING

Three rotary holes were drilled in the Cowley Park area of the copperbelt in December 1985, (Figures 1 and 4). The holes were drilled on two magnetic anomalies 3500 feet southwest and 5800 feet northeast of the Cowley Park zone in an area of extensive overburden cover. Co-ordinates of the three holes on the Cowley grid are as follows:

RH #1	6+00E	13+00S	-60^{o} to East
RH #2	7+00E	13+00S	vertical
RH #3	12+00E	35+50N	vertical

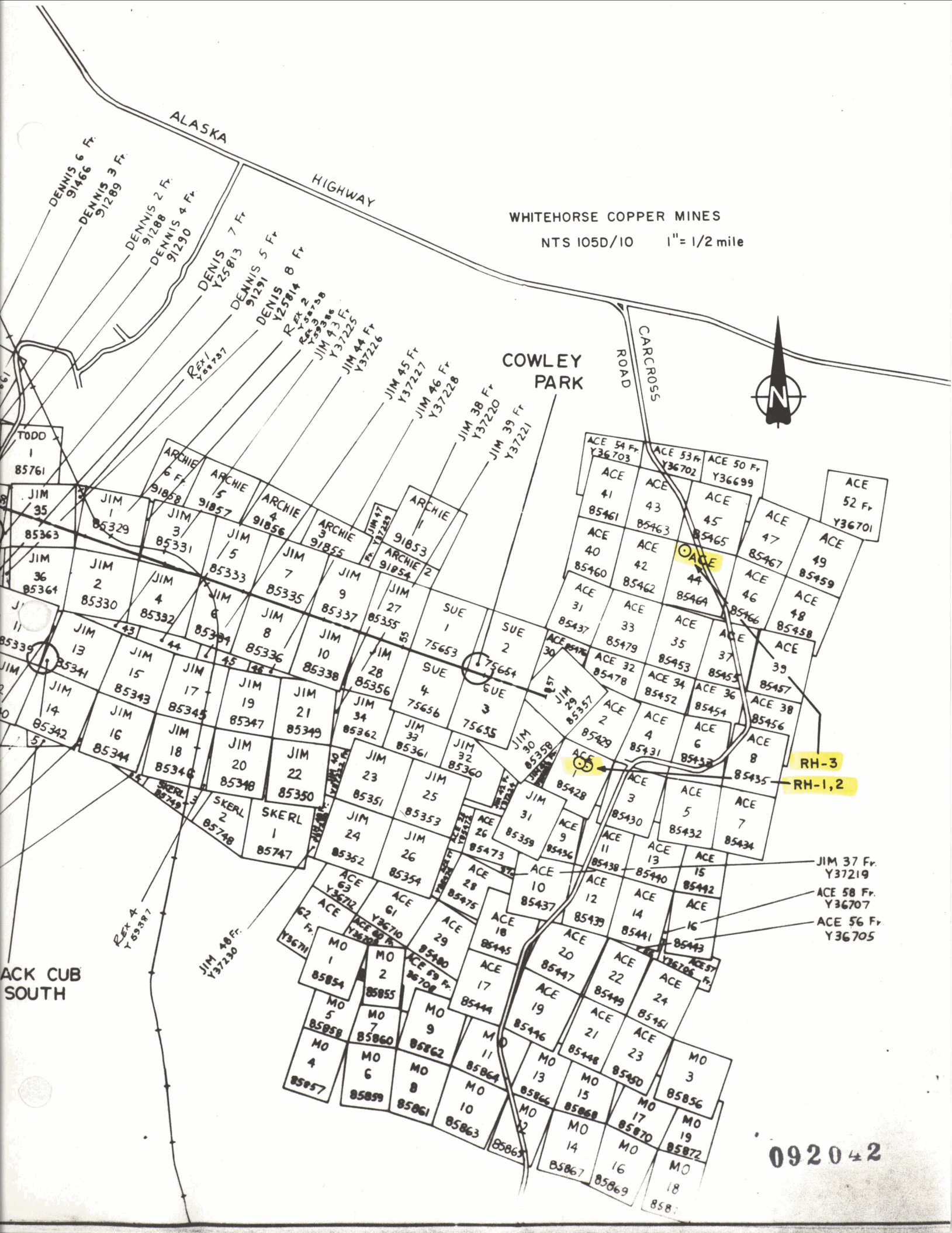
None of the three holes reached bedrock. All were abandoned at approximately 150 feet due to excessive cave and inability to keep the holes open because of water, sand and clay.

7. CONCLUSIONS

Drill hole BC-48 on the Best Chance grid located a skarnifited intrusive/ sediment contact, the first such intersection between the Pueblo and Empress of India occurrences, a distance of 6 kilometers. Further short hole drilling should be carried out to define and evaluate the contact.

No further work is recommended in the War Eagle and Cowley areas for the time being.

G. E. Bidwell


WHITEHORSE COPPER MINES
NTS 105D/10 1" = 1/2 mile
ALASKA HIGHWAY
CARCROSS ROAD
COWLEY PARK
N
RH-3
RH-1,2
JIM 37 Fr. Y37219
ACE 58 Fr. Y36707
ACE 56 Fr. Y36705
JIM 48 Fr. Y37230
ACK CUB SOUTH
092042

APPENDIX I - REVIEW OF EXPENDITURES

Best Chance - War Eagle Area

Drill hole BC-48	footage charge	10,857.00	
	casing in hole	776.20	
	caterpillar charges	1,339.44	12,972.64
Drill holes WE-81 and 82			22,006.50
			$ 34,979.14

Cowley Park Area

RH #1	3,519.00	
RH #2	4,418.00	
RH #3	3,942.00	
Consumables	2,753.07	$ 14,632.07

E. CARON DIAMOND DRILLING LTD. 7 Roundel Road Whitehorse, Yukon Y1A 3H3 Phone (403) 668-2424 Telex 036-8-337

May 27, 1985

Invoice #1705

IN ACCOUNT WITH:

Hudson Bay Exploration & Dev. Ltd.,
100 - 10 Burns Road,
Whitehorse, Yukon
Y1A 4Y9

Drilling Charges May 16 to May 25, 1985 (Wnse. Copper) (B-45)

Hole: 84-3/60/BQ
Coring
165 - 627 = 462 ft. @ $23.50 ft. $ 10,857.00

Total Invoice $ 10,857.00

1394 - 67

092042

E. CARON DIAMOND DRILLING LTD. 7 Roundel Road Whitehorse, Yukon Y1A 3H3 Phone (403) 668-2424 Telex 036-8-337

May 31, 1985
Invoice #1710

IN ACCOUNT WITH:

Hudson Bay Exploration & Development,
100 - 10 Burns Road,
Whitehorse, Yukon

To Charge for the following: (Whse. Copper)

Casing over 50 feet
Hole: 84-3/60/BQ

Left in Hole			
1 NW Shoe	@ $400.00 each	$ 400.00	
3 - 10' NW casing	@ $125.40 each	$ 376.20	$ 776.20
	Total Invoice		$ 776.20

7394 - 07

082-19

E. CARON DIAMOND DRILLING LTD. 7 Roundel Road Whitehorse, Yukon Y1A 3H3 Phone (403) 668-2424 Telex 036-8-337

June 15, 1985
Invoice #1713

IN ACCOUNT WITH:

Hudson Bay Exploration & Development,
100 - 10 Burns Road,
Whitehorse, Yukon

Misc. Work done to HB Tractor

Man Hours				
9 man hrs. (J.P.)	@ $29.00 per hr.	$ 261.00		
3 man hrs. (Harvey)	@ $29.00 per hr.	$ 87.00		$ 348.00
Items Used				
2-½" Quik Couplets	@ $18.15 each	$ 36.30		
1-1" Cable Clamp	@ $6.56 each	$ 6.56		
1- 7/8 Shackle	@ $10.32 each	$ 10.32		
1 pail 20 litre XD3 150040	@ $38.76 per pail	$ 38.76		
ugs 4 litre XD3 150040	@ $7.67	$ 23.01	$ 114.95	
+10%			$ 11.49	$ 126.44
Truck				
230 mi.	@ $3.50 per mi.		$ 805.00	
1 truck hr. (unload)	@ $60.00 per hr.		60.00	$ 865.00
		Total Invoice		$1,339.44

7394-07

CARON DIAMOND DRILLING LTD. 7 Roundel Road Whitehorse. Yukon Y1A 3H3 Phone (403) 668-2424 Telex 036-8-337

November 9, 1985

Invoice #-1825

IN ACCOUNT WITH:

Hudson Bay Exploration & Development,
100 - 10 Burns Road,
Whitehorse, Yukon

Drilling Charges October 30 to November 9, 1985: (Whitehorse Copper)

Hole: WE81-50/NQ				
Drilling				
231 ft.	@ $25.00 per ft.	=	$ 5,775.00	
Waterline				
~~96~~ man hrs. due to lack of water	@ $29.00 per hr.	=	~~$ 2,784.00~~	~~$ 8,559.00~~
Hole: WE-82-50/NQ				
illing				
502 ft.	@ $25.00 per ft.	=		$12,550.00
Water Truck				
Bouvier & Sons Trucking				
Invoice #015120	Total $4,115.00 - 2	=		$ 2,057.50
			Total Invoice	~~$23,166.50~~
				22006.50

E. CARON DIAMOND DRILLING LTD. 7 Roundel Road Whitehorse, Yukon Y1A 3H3 Phone (403) 668-2424 Telex 036-8-337

December 13, 1985
Invoice #-1845
Drill: Shramm

IN ACCOUNT WITH:

Hudson Bay Exploration & Development Ltd.,
100 - 10 Burns Road,
Whitehorse, Yukon
Y1A 4Y9

Drilling Charges December 6 to 12, 1985: (Cowley Park)

Hole: RH#1/60/4½				
Reaming Cave, Clay & Blowing Water				
20 man hrs.	@ $29.00 per hr.	= $ 580.00		
10 machine hrs.	@ $40.00 per hr.	= $ 400.00	$ 980.00	
Travelling Time				
6 man hrs.	@ $29.00 per hr.	=	$ 174.00	
Loader				
3 machine hrs.	@ $75.00 per hr.	=	$ 225.00	
Casing				
0 - 40 = 40 ft.	@ $16.00 per ft.	=	$ 640.00	
Drilling				
100 ft.	@ $15.00 per ft.	=	$1,500.00	$ 3,519.00
Hole: RH#2/60/4½				
Drilling Operations				
7 man hrs.	@ $29.00 per hr.	= $ 203.00		
3½ machine hrs.	@ $40.00 per hr.	= $ 140.00	$ 343.00	
Reaming Cave, Clay & Blowing Water				
32 man hrs.	@ $29.00 per hr.	= $ 928.00		
16 machine hrs.	@ $40.00 per hr.	= $ 640.00	$1,568.00	
Travelling Time				
8 man hrs.	@ $29.00 per hr.	=	$ 232.00	
Casing				
0 - 100 = 100 ft.	@ $16.00 per ft.	=	$1,600.00	
Drilling				
45 ft.	@ $15.00 per ft.	=	$ 675.00	$ 4,418.00
Hole: RH#3/90/4½				
Drilling Operations				
8 man hrs.	@ $29.00 per hr.	= $ 232.00		
4 machine hrs.	@ $40.00 per hr.	= $ 160.00	$ 392.00	

E. CARON DIAMOND DRILLING LTD. 7 Roundel Road Whitehorse, Yukon Y1A 3H3 Phone (403) 668-2424 Telex 036-8-337

Reaming Cave, Clay & Blowing Water				
24 man hrs.	@ $29.00 per hr.	= $ 696.00		
12 machine hrs.	@ $40.00 per hr.	= $ 480.00	$1,176.00	
Travelling Time				
6 man hrs.	@ $29.00 per hr.	=	$ 174.00	
Loader				
3 machine hrs.	@ $75.00 per hr.	=	$ 225.00	
Casing				
100 ft.	@ $16.00 per ft.	=	$1,600.00	
Drilling				
25 ft.	@ $15.00 per ft.	=	$ 375.00	$ 3,942.00
Materials Consumed & Chargeable				
1 Roll sample bags	@ $190.00 each	= $ 190.00		
1 Pail EZ mud	@ $110.00 each	= $ 110.00		
Fuel				
4,299.75 l	@ $0.487 per l	= $2,093.98	$2,393.98	
	+ 15%	=	$ 359.09	$ 2,753.07
			Total Invoice	$14,632.07

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 and Development Co. Ltd.

1967-70 - mine geology, surface exploration
Snow Lake, Manitoba.

1970-76 - Supervisor of exploration programs
B. C. and Yukon

1976-86 - District Manager, Whitehorse, Y. T.

APPENDIX III

DIAMOND DRILL LOGS

FORM Nº 630

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: MAC 7 (76393) Location: Whitehorse Copper Mines

Mining Division Whitehorse

Hole Nº BC-48 Angle: 0'-50° 627'-51° Direction: Grid EAST

Depth: 627 ft. Grid Nº Best Chance Co-Ordinates: 76 + 00S 26 + 50W

Date Started Dec. 6, 1984 May 16, 1985 Finished: Dec. 8, 1984 May 25, 1985 Logged By: G. Bidwell

Drilled By: E. Caron Diamond Drilling

DEPTH From	DEPTH To	DESCRIPTION OF CORE Page 1 of 2
0.0	124.0	Overburden - cored from about 78 feet on - 78 to 124 - mud with diorite, limestone and volcanic boulders
124.0	447.0	Limestone - 124 to 142 white to grey coarsely banded, core recovery 95% - vugs infilled with mud, no water return - core angle consistently 60° - no skarnification 144-152 - 25% recovery - white coarsely crystalline limestone 154-172 - 50% recovery - grey banded limestone core angle=42° 172-212 - 95% recovery - white coarse crystalline limestone 212-254 - 75% recovery - white coarse crystalline limestone 254-273 - 50% recovery - grey banded limestone core angle=45° 273-281 - 15% recovery - vugy white crystalline limestone 281-283 -100% recovery - grey banded limestone core angle=53° 283-293 - 40% recovery - white-grey massive limestone 293-332 - 90% recovery - white-grey massive limestone 332-362 -100% recovery - mottled & coarsely banded limestone (graphite?) 362-447 -100% recovery - white to grey coarse massive limestone
447.0	456.0	Quartz diorite dike - no skarnification at either contact except for minor epidote @ 447 and garnet near lower contact - dike in fractures with calcite infilling
456.0	567.0	Limestone - white to grey coarse crystalline 100% recovery
567.0	569.5	Specular hematite - quartz vein, minor magnetite Sample #74851 567.0-569.5 Au Ag Cu Pb Zn
569.5	571.0	Garnet dipside skarn, minor magnetite
571.0	572.5	Limestone sample #74852 569.5-572.5 Au Cu

092042

DEPTH		DESCRIPTION OF CORE	Page 2 of 2
From	To		
572.5	607.5	Garnet diopside skarn, magnetite clots and zoned around calcite calcite infilling 600.0 - minor malachite stain 605.0 - specks chalcopyrite associated with magnetite 595.0-607.5 - veinlets of specular hematite Au Cu 572.5 - 577.0 - Sample # 74853 577.0 - 582.0 - Sample # 74854 582.0 - 587.0 - Sample # 74855 587.0 - 592.0 - Sample # 74856 592.0 - 597.0 - Sample # 74857 597.0 - 602.0 - Sample # 74858 602.0 - 607.5 - Sample # 74859	
607.5	627.0	Quartz diorite intrusive	

FORM Nº. 630

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: PIT 2 (85095) Location: Whitehorse Copper Mines

Mining Division Whitehorse

Hole Nº. WE-81 Angle: -50° Direction: East

Depth: 231.0 ft. Grid Nº. War Eagle Co-Ordinates: 104+00N 4+00E

Date Started: Nov. 1, 1985 Finished: Nov. 5, 1985 Logged By: G. Bidwell

Drilled By: E. Caron Diamond Drilling

DEPTH		DESCRIPTION OF CORE
From	To	
0.0	23.8	Overburden
23.8	211.3	Quartz diorite - very fresh, medium to coarse grained mottled - generally 20% mafics (hornblende, minor biotite) - minor bleaching (propylitic alteration) along fractures - trace sulphides 83.0 - 90.5 intermittent pyrite (now Fe oxide) and bleaching shearing at 90.0 134 - 137.0 - minor shear parallels core, bleaching of diorite (silicification) 148.0-0.8 ft. section of shearing, core angle of 20°, propylitic alteration. 206.0 - 211.3 - bleaching of intrusive
211.3	213.9	Andesite dike, massive, fine grained, dense
213.9	231.0	Quartz diorite - bleached as above, probably related to andesite dike - no sulphide
	231.0	End of hole

FORM Nº. 630

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: PIT 9 (85836) Location: Whitehorse Copper Mines

Mining Division Whitehorse

Hole Nº. WE-82 Angle: -50° Direction: East

Depth: 502.0 ft. Grid Nº. War Eagle Co-Ordinates: 108 + 00N
1 + 00W

Date Started: Nov. 5, 1985 Finished: Nov. 9, 1985 Logged By: G. Bidwell

Drilled By: E. Caron Diamond Drilling

DEPTH		DESCRIPTION OF CORE
From	To	
0.0	42.0	Overburden
42.0	48.5	Garnet skarn, minor remnant limestone, occasional tremolite @ 45.0 - 2" quartz diorite dike - calcite filled fractures, vuggy
48.5	49.0	Quartz diorite dike 85-90° contact - minor fractures
49.0	70.0	Garnet diopside skarn, 20% garnet from 49-57 - bleached section - some remnant limestone and dolomite - few bleached quartz diorite fragment - vuggy in section - calcite in fractures
70.0	76.5	Quartz diorite - 15% hornhlende - bleached sections - minor disseminated pyrite associated with chlorite 74.0-75.0 - dike gragments in diorite - minor rusty fractures
76.5	79.4	Light gray fine grained felsite dike - massive, very fine grained disseminated pyrite
79.4	82.2	Quartz diorite with abundant felsite dike fragments
82.2	86.6	Light green skarnified sediments intruded by dikes of quartz diorite and felsite - disseminated pyrite throughout
86.6	92.0	Quartz diorite, minor bleaching
92.0	117.0	Silicified sediments, some skarnification minor epidote, minor quartz diorite dikes - relict bedding 30° core angle @ 100.5 - disseminated pyrite up to 5% - calcite fractures 109 - core angle (bedding) 30°
117.0	125.0	Garnet skarn - light brown garnets up to 60% of volume - calcite fractures

DEPTH From	DEPTH To	DESCRIPTION OF CORE
125.0	127.5	Quartz diorite with fine grained dike fragments
127.5	156.0	Garnet tremolite skarn, massive - quartz infilling - 149.5 - 150.0 - quartz diorite dike - 80° core angle contact 153.5 - 154.0 - quartz diorite dike - bleached, diffuse contact
156.0	160.5	Siliceous metasediments 158.8 - 159.2 - quartz diorite dike 160.2 - 160.5 - quartz diorite dike - quartz and epidote fractures
160.5	164.5	Garnet tremolite skarn - same as above
164.5	169.0	Quartz diorite - upper contact core angle - 45° - lower contact core angle - 25° 20% mafics mainly hornblende
169.0	172.0	Garnet tremolite skarn - massive
172.0	174.5	Acid dike (called felsite previously) - fine to medium grained - disseminated and small clots of pyrite
174.5	187.5	Quartz diorite - upper contact core angle -60° - parts up to 50% mafic (hornblende) - sections bleached - inclusion of epidote skarn and coarse acid dike - calcite veins
187.5	191.4	Banded epidote garnet diopside skarn - minor diorite dike - banding core angle 45°
191.4	197.0	Quartz diorite - some bleaching and chlorite alteration - lower contact core angle 60°
197.0	200.8	Siliceous skarnified sediments - light gray to tan colour - some acid dike (coarse grained)
200.8	255.2	Quartz diorite - some cross-cutting coarse acidic dikes - chlorite alteration intense in sections 222.0 - 222.8 - mafic dike parallels core axis 224.0 - 224.2 - mafic dike - core angle 70° 229.0 - 229.6 - mafic dike - core angle 60° black fine grained (basaltic) - pervasive chlorite, epidote, bleached fractures infilled with calcite 242.0 - 246.0 - extensive calcite veining (stockwork) - vuggy - some garnet clots 247.0 - 251.0 - same as 242-246 - poor core recovery (60%) - calcite veining
255.2	266.3	Andesite dike - minor quartz diorite dike cross-cutting - quartz and calcite filled fractures, propylitic alteration - pyrite associated with quartz diorite

DEPTH From	DEPTH To	DESCRIPTION OF CORE
266.3	269.2	Quartz diorite
269.2	285.0	Garnet epidote skarn, some sections limestone, parts vuggy
285.0	289.0	Quartz diorite with andesite dike inclusions
289.0	290.0	Garnet epidote skarn
290.0	294.2	Quartz diorite, propylitic alteration
294.2	295.5	Skarnififed sediments, quartz, epidote and calcite fractures
295.5	299.0	Quartz diorite, propylitic alteration - vuggy, quartz epidote crystals
299.0	303.5	Skarnified sediments as above and garnet epidote skarn 300.5 - 301.3 quartz diorite dike
303.5	317.5	Quartz diorite - relatively fresh, unaltered - a few narrow (1") acid dikes - minor epidote
317.5	329.4	Quartz garnet epidote skarn, minor limestone - minor diorite dikes - numerous vugs - late open space filling with quartz and calcite
329.4	350.0	Quartz diorite - relatively unaltered, inclusions of basic dikes
350.0	351.5	Banded skarnified sediments (mainly diopside) - minor pyrite, some vugs - bedding core angle 60°
351.5	398.0	Quartz diorite - shallow core angle with above unit - unaltered, increasing mafics (up to 30%) 359.1 - 359.7 - diopside skarn? - light green, massive, fine grained - multi phase intrusive 387.9 - 389.1 - garnet epidote skarn, vuggy
398.0	401.8	Massive limestone, vuggy, some skarnification grey - grades to garnet skarn at bottom of intersection
401.8	405.0	Quartz diorite, minor skarn
405. 0	411.0	Garnet skarn, vuggy, calcite infilling
411.0	422.7	Quartz diorite, minor chlorite and garnet skarn
422.7	428.0	Garnet dipside skarn, very vuggy, minor quartz diorite and andesite dikes, trace su;phides (pyrite)
428.0	502.0	Quartz diorite, chloritic alteration 431.5 - 432.5 - banded garnet epidote skarn 436.0 - 457.7 - 50% of core is dark grey fine grained andesite dike dike is brecciated throughout length sharp cold contacts andesite some disseminated pyrite 457.7 - 461.5 - bleached quartz diorite with minor quartz veining and disseminated pyrite 463.0 - 463.6 - epidote skarn 463.6 - 502.0 - fresh quartz diorite, minor bleaching along fractures (propylitic) and minor quartz veining
	502.0	End of hole