

# ASSESSMENT REPORTS

**MAP No.** 105 D 11,14 **TYPE OF WORK:** DIAMOND DRILLING

|                           |   |                    |               |
|---------------------------|---|--------------------|---------------|
| <b>REPORT FILED UNDER</b> | Hudson Bay Exploration and Development Co. Ltd. |                    |               |
| <b>DATE PERFORMED</b>     | Nov. 27 - Dec. 8, 1984                          | <b>DATE FILED:</b> | Dec. 20, 1984 |
| <b>LOCATION -</b>         | <b>LAT.</b>                                     | 60°45'N            |               |
|                           | <b>LONG.</b>                                    | 135°10'W           |               |
| <b>CLAIM Nos.</b>         | BORNITE 1                                       | 73783              |               |
|                           | MAC 7   | 76393              |               |
|                           | MAC 8   | 76334              |               |
|                           |   |                    |               |
| <b>WORK DONE BY</b>       | R. Stroshein                                    |                    |               |
| <b>WORK DONE FOR</b>      | Hudson Bay Exploration and Development Co. Ltd. |                    |               |
| <b>REMARKS</b>            |   |                    |               |
| <b>091618</b>             |   |                    |               |
|                           |   |                    |               |
|                           |   |                    |               |
|                           |   |                    |               |

Diamond drilling was carried out in the Anaconda, Rabbitsfoot Canyon and Best Chance areas. In 1984 and 1985 two diamond drill holes in Rabbitsfoot Canyon area totalled 223.4 m of which one of these intersected garnet, diopside skarn with minor pyrite mineralization.

Diamond drilling in 1984 on Bornite 1 and Mac 7 encountered basement granodiorite under overburden.

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HUDSON BAY EXPLORATION AND DEVELOPMENT



COMPANY, LIMITED

for

WHITEHORSE COPPER MINES

LIMITED

on the

1984 DIAMOND DRILLING PROGRAM

DRILL HOLES: RF-3 on BORNITE 1 (73783) CLAIM  
BC- 38 on MAC 7 (76393) CLAIM  
BC- 39 on MAC 8 (76394) CLAIM



December 20, 1984  
R. Stroshein

Whitehorse  
Mining District  
105 D 11/14

091618

WHITEHORSE COPPER MINES

1984 DRILL PROGRAM SUMMARY

Between November 27 and December 8 three drill holes were completed for a total footage of 892 feet. No mineralization was intersected and no skarn minerals identified in any of the drill core. Therefore, no samples of core were submitted for analysis.

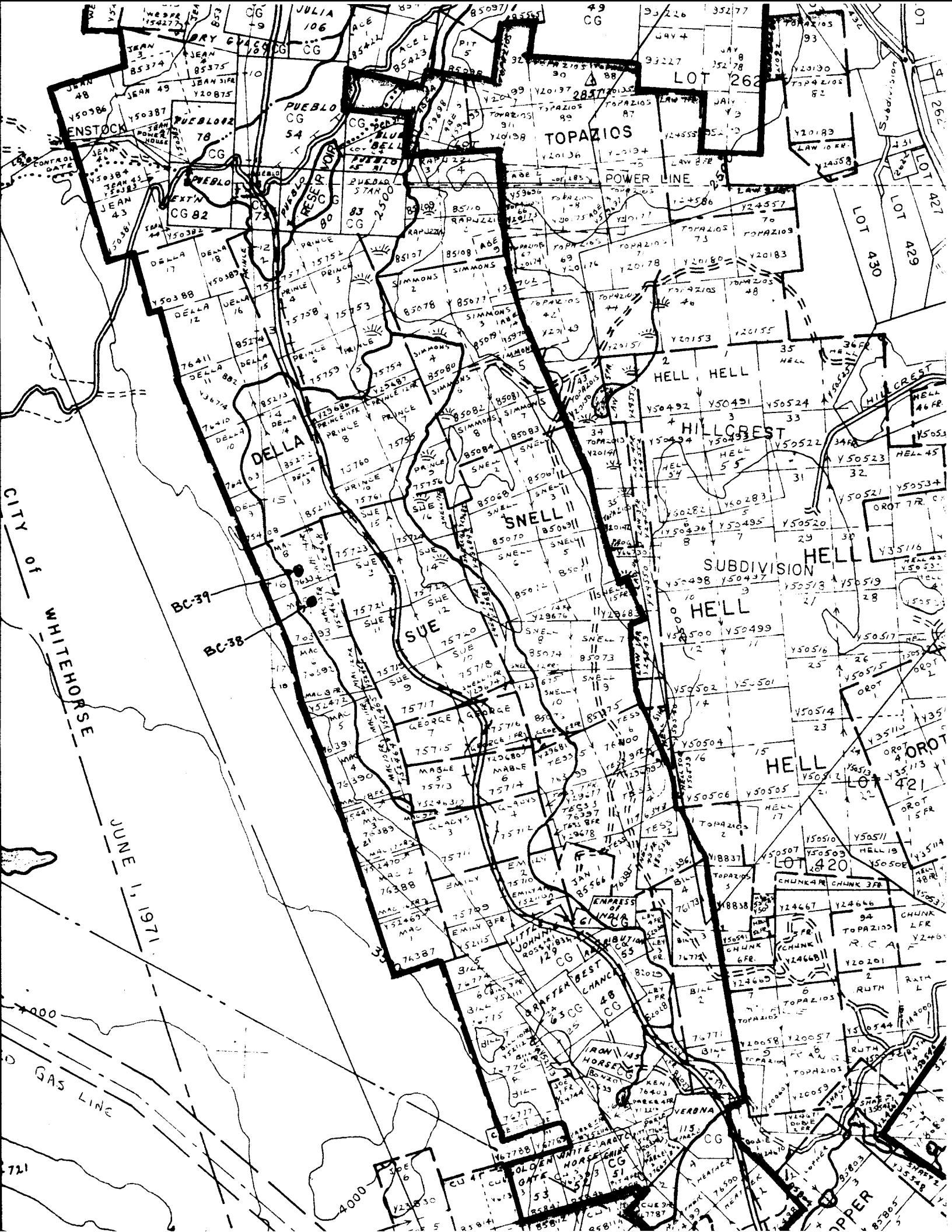
Drill holes RF-3 and BC-38 encountered overburden of at least 200 feet and immediately intersected the diorite intrusions.

Drill hole BC-39 was shut down at a depth of 165 feet in unaltered limestone due to a lack of water for drilling. The drill remains on site and drilling will recommence early in the spring to complete the hole to the intrusive contact.

It is also suggested to redrill the intrusive contact in the Rabbits Foot Canyon area by setting up east of the RF-3 collar.

The diamond drill core is presently stored in the warehouse of Hudson Bay Exploration and Development Company Limited at 100-10 Burns Road in Whitehorse, Yukon Territory.





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CITY OF WHITEHORSE

JUNE 1, 1971

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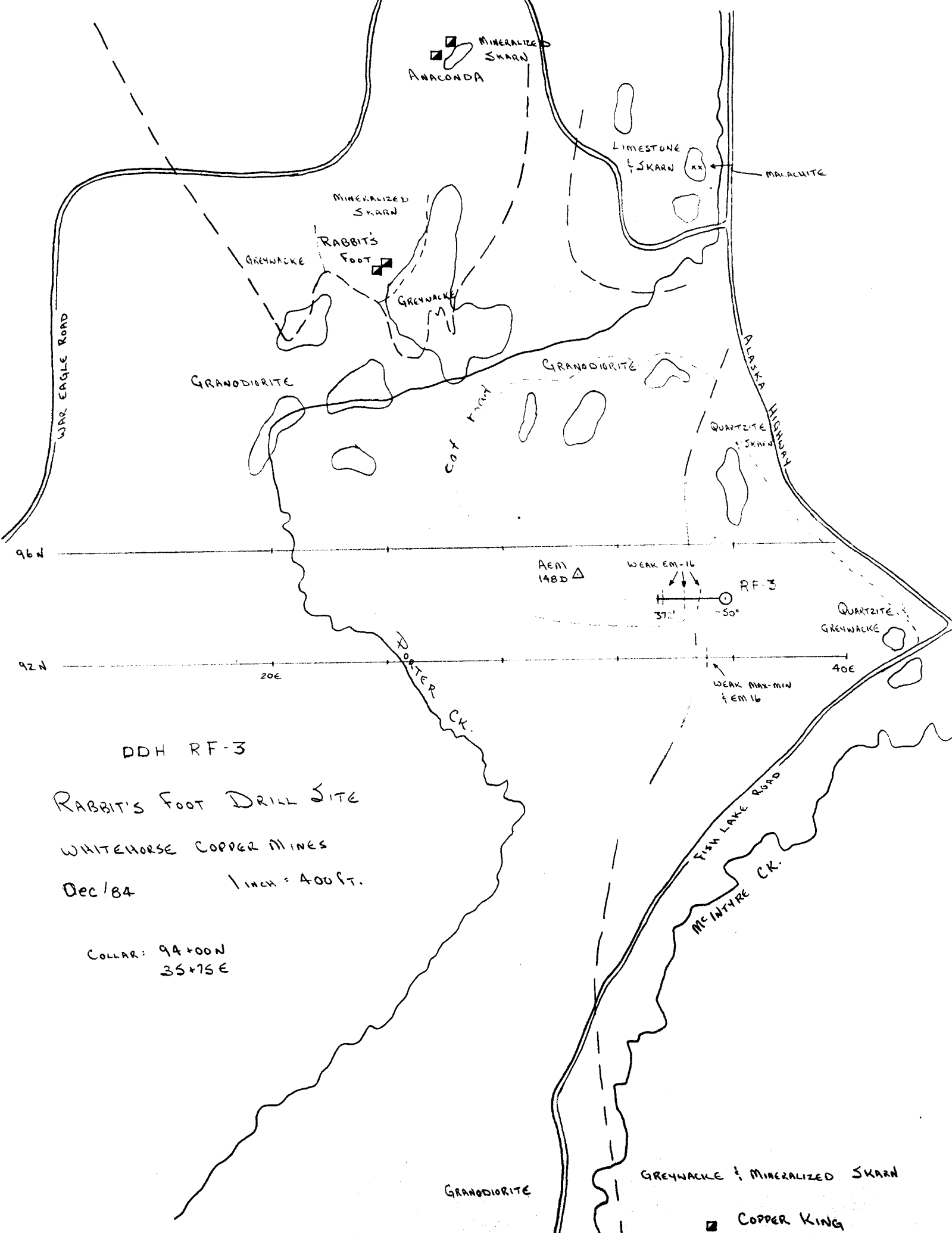
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DDH RF-3

RABBIT'S FOOT DRILL SITE

WHITEHORSE COPPER MINES

Dec/84

1 inch = 400 ft.

COLLAR: 94+00N  
35+75E

GREYWACKE & MINERALIZED SKARN

■ COPPER KING

## HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: BORNITE 1 (73783)

Location: Whitehorse Copper Mines

Mining Division Whitehorse

Hole Nº. RF-3

Angle:  $-50^{\circ}$ 

Direction: West

Depth: 372 feet

Grid Nº. WAR EAGLE

Co-Ordinates: 94 + 00N, 35 +75E

Date Started: Nov. 28, 1984

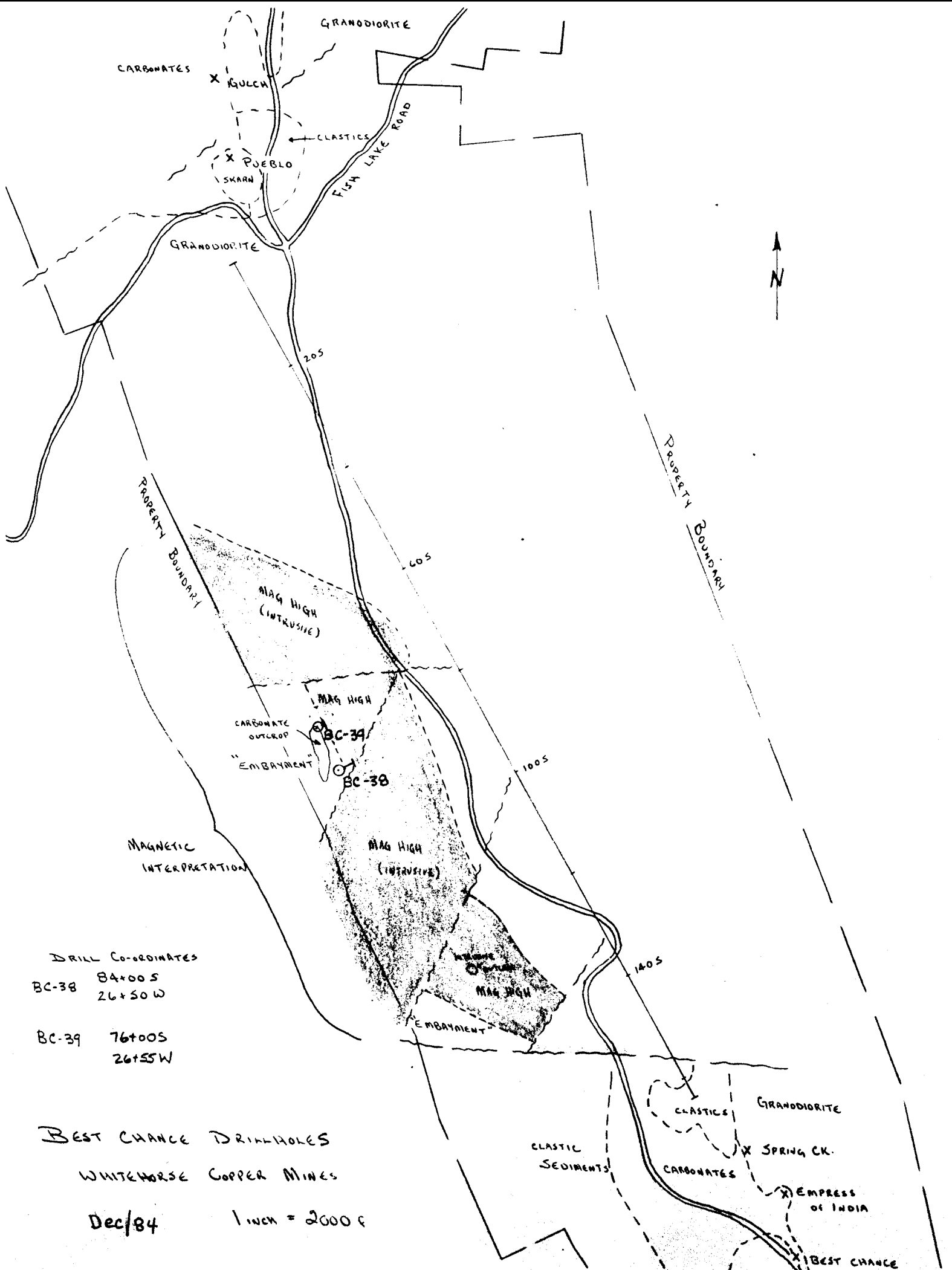
Finished: Dec. 2, 1984

Logged By: G. Bidwell

Drilled By: E. Caron Diamond Drilling

| DEPTH  |        | DESCRIPTION OF CORE   | Page 1 of 1 |
|--------|--------|---|-------------|
| From   | To     |   |             |
| 0.0    | 200.00 | Overburden - triconed from 130 to 200, probably that bedrock intersected considerably before 200, surface exposures of diorite in area are badly decomposed. Drill cutting @ 194 were all diorite   |             |
| 200.00 | 372.00 | Diorite 200-222 crumbly diorite, calcareous particularly in fractures<br>- mafics mainly biotite<br>- 80% core recovery<br>- bleaching along fractures and shears, some gouge, generally sub-parallel core axis, minor epidote<br>222-225 - quartz vein and diorite $\approx$ 20% recovery<br>225-246 - good recovery, typical diorite<br>246-251 - 15% core recovery otherwise typical<br>251-372 - good recovery, some quartz-calcite veins, random core angles, up to $\frac{1}{2}$ inch wide, also some thin fractures with bleaching $\frac{1}{2}$ inch into diorite<br>1" wide quartz veins @ 285' and 303'<br>@ 306' sub parallel quartz carbonate (mainly carbonate) veining in diorite, sheared.<br>315' - early $\frac{1}{2}$ " wide quartz veins crosscut by later fracturing accompanied by bleaching<br>333.5'-2 inch wide shear filled with calcite core angle $30^{\circ}$<br>339' - $1\frac{1}{2}$ inch wide quartz veins, $60^{\circ}$ core angle<br>342' - narrow ( $\approx$ 3inch) altered porphyry? dike, $45^{\circ}$ core angle<br>346' - $\frac{3}{4}$ inch quartz vein, $60^{\circ}$ core angle<br>360' - 2 inch quartz vein, mottled pinkish tinge, $90^{\circ}$ core angle<br>371.5' - $\frac{1}{2}$ inch wide sheared infilled with calcite $25^{\circ}$ core angle |             |
|        | 372.00 | END OF HOLE   |             |





DRILL CO-ORDINATES  
 BC-38 84+00S  
 26+50W  
 BC-39 76+00S  
 26+55W

BEST CHANCE DRILLHOLES  
 WHITEHORSE COPPER MINES

Dec/84 1 inch = 2000 f

## HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: MAC 8 (76394) Location: Whitehorse Copper Mines  
 Mining Division Whitehorse  
 Hole Nº. BC-38 Angle:  $-50^{\circ}$  Direction: grid EAST  
 Depth: 355 feet Grid Nº. Best Chance Co-Ordinates: 84+00S, 26+55W  
 Date Started: Dec. 2, 1984 Finished: Dec. 6, 1984 Logged By: G. Bidwell  
 Drilled By: E. Caron Diamond Drilling

| DEPTH |       | DESCRIPTION OF CORE   | Page 1 of 1 |
|-------|-------|---|-------------|
| From  | To    |   |             |
| 0.0   | 209.0 | Overburden - hole cored from 35 feet on<br>35-171 mud and boulders<br>171-201 - minor limestone boulders (not altered)<br>- could be bedrock but very poor recovery (2½%)<br>201-206 - feldspar porphyry boulder - one 1 inch piece   |             |
| 209.0 | 220.0 | Diorite - 15% recovery, badly decomposed  |             |
| 220.0 | 221.0 | Acidic dike - light grey green, very minor small phenocrysts  |             |
| 221.0 | 226.0 | Diorite - 30% recovery, badly decomposed  |             |
| 226.0 | 227.0 | Granitic Dike - coarse grained, epidote, some quartz veins  |             |
| 227.0 | 243.0 | Acid porphyry dike - good recovery, light grey green (same as 220-221)<br>- small feldspar phenocrysts<br>- very fine grained matrix<br>- minor calcite veining   |             |
| 243.0 | 273.0 | Diorite - good recovery $\approx 90\%$ , as above<br>- @ 259 one inch wide calcite vein in shear  |             |
| 273.0 | 275.0 | Coarse Granitic dike - epidote rich, diffuse contact with diorite   |             |
| 275.0 | 287.0 | Diorite - extensive calcite veining 286-287   |             |
| 287.0 | 288.0 | Porphyry dike - light grey green, feldspar phenocrysts  |             |
| 288.0 | 337.0 | Diorite - typical, slightly calcareous<br>304-305 - narrow calcite veining sub parallel core axis<br>310 - one inch calcite vein<br>313 - two inch basic dike, $45^{\circ}$ core angle<br>317 - one inch calcite vein, $40^{\circ}$ core angle<br>329 - calcite veining<br>334 - 2 inch calcified shear |             |
| 337.0 | 346.0 | Calcareous dike? - perhaps inlier in intrusive, no skarnification<br>- later calcite veining  |             |
| 346.0 | 351.0 | Diorite   |             |
| 351.0 | 352.0 | Calcareous porphyry dike  |             |
| 352.0 | 355.0 | Diorite   |             |

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: MAC 7 (76393)

Location: Whitehorse Copper Mines

Mining Division Whitehorse

Hole Nº. BC-39

Angle: -50°

Direction: grid EAST

Depth: 165 feet

Grid Nº. Best Chance

Co-Ordinates: 76+00S, 26+50W

Date Started: Dec. 6/84

Finished: Dec. 8/84

Logged By: G. Bidwell

Drilled By: E. Caron Diamond Drilling Co. Ltd.

| DEPTH |       | DESCRIPTION OF CORE   |
|-------|-------|---|
| From  | To    |   |
| 0.0   | 124.0 | Overburden - cored from about 78 feet on<br>- 78 to 124 - mud with diorite, limestone and volcanic boulders   |
| 124.0 | 165.0 | Limestone - white to grey coarsely banded, core recovery 95%<br>- vugs infilled with mud, no water return<br>- core angle consistently 60°<br>- no skarnification |

SUMMARY OF EXPENDITURES

1984 DIAMOND DRILLING  
PROGRAM

DRILL HOLE: RF-3

|  |               |
|--|---------------|
| Drilling Charges (Caron invoice #1656) Hole 84-1 | \$ 9,300.00   |
| Tractor Mobilization (Ed Chambers Trucking)      | 900.00        |
| Tractor hours 33 hrs @ 70\$/hour                 | 2,310.00      |
| Tractor Operators hours (Caron invoice #1656)    | 623.50        |
| Items consumed (Caron Invoice #1656)             | 108.00        |
| Geologist - 4 days @ 200\$/day                   | <u>800.00</u> |
| Total -  | \$ 14,041.50  |

DRILL HOLE: BC-38

|  |               |
|--|---------------|
| Drilling Charges (Caron Invoice #1656) Hole 84-2 | 8,672.50      |
| Tractor hours 8 hours @ 70\$/hour                | 560.00        |
| Geologist - 2 days @ 200\$/day                   | <u>400.00</u> |
| Total -  | \$ 9,632.50   |

DRILL HOLE: BC-39

|  |               |
|--|---------------|
| Drilling Charges (Caron invoice #1656) Hole 84-3 | 4,087.50      |
| Tractor hours 4½ hours @ 70\$/hour               | 315.00        |
| Geologist 2 days @ 200\$/day                     | <u>400.00</u> |
| Total -  | \$ 4,802.50   |

*Robert Strohen*



E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 Telex 036-8-337

December 7, 1984

Invoice #-1656

IN ACCOUNT WITH:

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

Drilling Charges November 27 to December 7, 1984: (Whse. Copper)

Hole: 84-1/50/NQ (RF-3)

Coring

372 ft. @ \$25.00 per ft. = \$ 9,300.00

Hole: 84-2/50/NQ (BC-38)

0 - 220 = 220 ft. @ \$25.00 per ft. = \$5,500.00

220 - 355 = 135 ft. @ \$23.50 per ft. = \$3,172.50 \$ 8,672.50

Hole: 84-3/50/NQ (BC-39)

0 - 140 = 140 ft. @ \$25.00 per ft. = \$3,500.00

140 - 165 = 25 ft. @ \$23.50 per ft. = \$ 587.50 \$ 4,087.50

Tractor Operator (over 24 hrs.)

21½ man hrs. @ \$29.00 per hr. = \$ 623.50

Items Consumed

2 gal. anti freeze @ \$10.00 per gal. = \$ 20.00

2 pails oil @ \$44.00 per pail = \$ 88.00 \$ 108.00

Total Invoice \$22,791.50

