

## HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CAB Group (Risby)

Location: Dolly Creek (Fox Creek) Y. T.  
61° 52' 133° 22' NTS 105F/14

Mining Division Whitehorse

Hole Nº. 28

Angle: -75°

Direction: 225° 35'

Depth: 209.4m

Grid Nº.

Co-Ordinates: 5 + 66.8N

13 + 00W

Date Started: 27/06/80

Finished: 1/07/80

Logged By:

Richard Facey-Crowther  
(1980)

Drilled By: E. Caron Diamond Drilling Co.

DEPTH		DESCRIPTION OF CORE
From	To	
0.00	8.20	Casing
7.50	7.90	<u>Quartz Feldspar Biotite Porphyry Dyke:</u> (somewhere in the overburden)
8.20	42.00	<u>Quartz Biotite Schist:</u> local quartz veins, with the majority at the top and the bottom of the section. - minor pyrrhotite associated with quartz at 14.6m - large quartz vein (0.4m in width) at 40.0m Core Angles: 46° at 8.5m 28° at 16.0m 31° at 29.0-35.0m 6° at 38.5m 20° at 40.5m
42.00	85.00	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> - minor pyrrhotite disseminated throughout - scheelite found locally associated with quartz veins from 56.7 to 60.6m, associated with pyrrhotite at top of section, 2% actinolite in fractures in the majority of the section. Core Angles: 14° at 42.2m 40° at 54.0m 25° at 73.0m 62° at 83.5m 48.50 - 49.10; highly calcareous gouged zone - also a broken gouged zone from 72.0 - 76.5m. 65.7 - 66.0 and 82.0 - 82.2; <u>Quartz Feldspar Porphyry Dykes.</u> 68.3 - 68.9, 70.2-72.0, 76.5 - 77.7 and 79.2 - 80.2m; <u>Quartz Biotite Schist bands</u> - band at 79.2 is highly calcareous with 10% calcite. 77.70 - 79.20: <u>Quartz Diopside Skarn:</u> scheelite found in bottom half of the section, minor pyrrhotite, 2% actinolite and 2% calcite.
85.00	87.50	<u>Quartz Biotite Schist and highly Calcareous mud:</u> an area of <u>Poor</u>

DEPTH		DESCRIPTION OF CORE	Page 2
From	To		
87.50	142.1	<p>Core Recovery - suggest that this area was a limestone prior to alteration due to the highly calcareous nature of the section. -"wavy" quartz bands throughout</p> <p><u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> minor pyrrhotite disseminated throughout. In upper portion of section minor pyrrhotite is often found associated with scheelite in fractures and with garnets and scheelite from 122.2-128.0m. Calcite and actinolite found throughout, in fractures in varying quantities (minor to 3%).</p> <p>Core Angles:      15° at 90.0m                             20° at 107.9m                             30° at 123.5m                             20° at 129.0m</p> <p>87.9 - 88.9 and 92.5 - 92.8; highly calcareous biotite schist, diopside and mud.</p> <p>89.30 - 89.70; large quartz vein-broken and fractured with a trace of calcite.</p> <p>89.70 - 90.20; Po found in fractures associated with scheelite.</p> <p>102.10-102.70; massive quartz vein with minor pyrrhotite, calcite and actinolite.</p> <p>Quartz veins found throughout the section at approx. one metre intervals.</p> <p>102.70-103.10; Broken, highly calcareous biotite schist - suggest that perhaps this is a remnant of limestone.</p> <p>2 bands of limestone (0.1m wide) at 104.8m and 105.5m</p> <p>129.15-130.00; Quartz Diopside Skarn with minor pyrrhotite and scheelite.</p> <p>130.00-131.70; Quartz Felspar porphyry dyke - minor bands of diopside.</p>	
142.10	145.00	<p><u>Altered Limestone (Marble):</u> consists mostly of a pale green diopside skarn with minor actinolite.</p> <p>- also consists of a dark grey to light grey limestone.</p> <p>143.1-143.90; Intercalated schist and skarn - highly calcareous (6% Calcite).</p> <p>Core Angles:      20° at 142.5m , 15° at 143.5m                             24° at 144.5m</p>	
145.00	145.80	<p><u>Quartz Biotite Schist:</u> calcareous near top of the section.</p> <p>Core Angle:      20°</p>	
145.80	152.25	<p><u>Intercalated Quartz Biotite Schist with Diopside Skarn:</u> containing 2 light grey limestone bands (0.4 m wide) with associated apatite, minor disseminated pyrrhotite, minor actinolite.</p> <p>147.1m - "pink mineral" in actinolite and quartz</p> <p>- many quartz veins throughout.</p> <p>Core Angle:      20°</p> <p>147.90 - 148.40: Quartz Diopside Garnet Skarn: with scheelite, minor pyrrhotite and actinolite.</p>	
152.25	153.38	<p><u>Quartz Diopside Garnet Skarn:</u> minor pyrrhotite and actinolite in fractures, scheelite present (.1 - .5%). Limestone bands (0.3m wide) in centre of skarn.</p> <p>Core Angle:      15°</p>	

DEPTH		DESCRIPTION OF CORE	Page 3
From	To		
153.38	164.50	<p><u>Intercalated Quartz Biotite Schist with Diopside Skarn:</u> minor pyrrhotite disseminated throughout, minor actinolite throughout. Massive pyrrhotite at 156.9m.</p> <p>157.20 - 157.50; Garnets found in diopside band.</p> <p>155.95 - 156.20; <u>Quartz Diopside Garnet Skarn;</u> minor pyrrhotite and actinolite and scheelite.</p> <p>- Scheelite (minor) found locally throughout the section.</p> <p>Core Angles: 25° at 157.0m 15° at 163.5m</p>	
164.50	167.20	<p><u>Quartz Carbonate Alteration Zone:</u> with 40% argillite.</p> <p>- increased argillite with massive pyrite from 166.5 to 166.9m.</p> <p>165.20 - 165.70; <u>Breccia</u> - fragments of argillite, altered quartz and carbonate in an altered quartz and carbonates, quartz and calcite matrix.</p> <p>166.70 - 167.20; Quartz vein with minor argillite and pyrite.</p>	
167.20	169.50	<u>Poor Core Recovery.</u>	
169.50	171.50	<p><u>Argillite;</u> with altered quartz and carbonate bands at top half of section changing to reddish brown biotite in lower half. Calcite, Pyrite (in top half of section) and pyrrhotite (in bottom half) in fractures.</p> <p>169.60 - 170.00; Highly calcareous dark mud - perhaps argillite and biotite, highly fractured.</p> <p>Core Angles: 8° at 169.5m 20° at 170.5m</p>	
171.50	172.60	<p><u>Quartz Diopside Garnet Skarn:</u> with minor pyrrhotite and 0.5% scheelite throughout.</p> <p>172.47 - 172.60; large quartz vein with alteration (pyrite, biotite, altered quartz &amp; carbonates) in fractures.</p> <p>Scheelite in upper portion.</p>	
172.60	173.50	<p><u>Intercalated Quartz Biotite Schist with Diopside Skarn and Argillite:</u> more argillite towards the upper portions of the section.</p> <p>Core Angle: approximately 25° (variable)</p>	
173.50	186.80	<p><u>Quartz Diopside Garnet Skarn:</u> with scheelite disseminated throughout - ranging from 0.05 to 1.51%</p> <p>- 1% pyrrhotite and 4% garnet alteration.</p> <p>180.30 - 180.60; Quartz carbonate alteration zone with argillite and massive pyrite. (1.00% scheelite present).</p> <p>184.00 - 185.00, 185.60 185.90 and 186.40 - 186.8; intercalated quartz biotite schist and diopside skarn</p>	
186.80	189.00	<p><u>Quartz Biotite Schist:</u> pyrrhotite and calcite found in fractures, 4% calcite</p> <p>Core Angle: 15°</p>	
189.00	190.00	<p><u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u></p> <p>- minor pyrrhotite, pyrite and garnet, scheelite disseminated throughout. 1% actinolite.</p> <p>- 2 quartz veins, actinolite veins found in quartz.</p> <p>Core Angle: 25°</p>	

DEPTH		DESCRIPTION OF CORE	Page 4
From	To		
190.00	194.40	<p><u>Quartz Diopside Garnet Skarn:</u> garnet, pyrrhotite, and actinolite alteration, a dark green diopside.</p> <p>191.50 - 191.70; quartz vein with pyrrhotite and calcopyrite in the fractures.</p> <p>193.00 - 193.90; Intercalated quartz biotite schist and diopside skarn, actinolite, pyrrhotite and calcite found in fractures.</p>	
194.40	197.20	<p><u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> pyrrhotite is both disseminated and in a few massive bands in fractures. Actinolite is found in fractures in the quartz veins and the diopside bands.</p> <p>194.5m - "pink mineral" with quartz and actinolite.</p> <p>196.0m - minor garnet</p> <p>Core Angle: 20°</p>	
197.20	199.40	<p><u>Quartz Diopside Garnet Skarn:</u> 1% Calcite, 1% pyrrhotite and minor actinolite in fractures, 1% garnet. Scheelite disseminated throughout - from 0.05% to 1.00%</p>	
199.40	200.00	<p><u>Quartz Vein:</u> with 2% calcite, 1% pyrrhotite and 1% actinolite in fractures.</p>	
200.00	209.70	<p><u>Quartz Monzonite:</u> with minor quantities of calcite and actinolite, occasional small quartz bands are present with some small biotite flakes.</p>	
END OF HOLE			