

## 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  
No. 2 Zone

Mining Division Whitehorse

Hole Nº. 29

Angle: -40.0°

Direction: 225° 35'

Depth: 194.20m

Grid Nº.

Co-Ordinates: 5 + 66.8N  
13 + 00 W

Date Started: 1/07/80

Finished: 8/07/80

Logged By: Richard Facey-Crowther  
(1980)

Drilled By: Caron Diamond Drilling Co.

DEPTH		DESCRIPTION OF CORE	Page 1 of 3
From	To		
0.00	2.60	Casing	
2.60	8.00	<u>Quartz Biotite Feldspar Porphyry Dyke</u> : grey in colour, a porphyritic feldspar and quartz with blebs of dark biotite. A rusty colouration was noted in the fractures.	
8.00	18.70	<u>Quartz Biotite Schist</u> : 7% silicification in the schist with small offset faults visible in the core, 3 major quartz veins. 13.00 - 14.00; core is very broken up. Core Angle: 15°	
18.70	27.80	<u>Quartz Feldspar Porphyry Dyke</u> : Core is broken in this area and suggests that this represents a fault zone. 19.00 - 19.50, 23.40 - 24.00; 2 quartz biotite schist bands. The upper band is broken fault pieces and both have a central quartz vein and are highly fractured. Core Angle: 15°	
27.80	65.76	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : containing frequent quartz veins, approximately one per metre of core. A large vein (0.3m) at 44.0m with pyrrhotite, actinolite and minor calcite in the fractures. The core is highly fractured and fault zone seems to continue about 10 metres into the core. Pyrrhotite is occasionally massive in the larger fractures. Calcite and actinolite in fractures. Core remains highly fractured. No scheelite throughout intercalated core. 58.40 - 59.60; highly calcareous section (10% calcite). 62.81 - 62.90; limestone band. 62.90 - 63.20 and 64.0 - 64.70; highly calcareous. Core Angles: 10° at 37.0m 15° at 53.0m 30° at 64.0m 54.94 - 55.07; <u>Quartz Diopside Skarn</u> ; minor pyrrhotite and actinolite, 1% calcite, 0.15% scheelite.	

DEPTH		DESCRIPTION OF CORE	Page 2
From	To		
		62.00 - 62.81; <u>Quartz Diopside Skarn</u> ; minor pyrrhotite and 2% actinolite, 0.15% scheelite, trace of "pink mineral".	
67.76	68.20	<u>Quartz Diopside Skarn</u> : a highly calcareous broken dark diopside skarn, some rusty colouration in the skarn. 4% actinolite and minor pyrite. Scheelite disseminated throughout.	
68.20	82.70	<u>Quartz Biotite Schist</u> : highly calcareous and extremely fractured core. 2% actinolite and minor pyrite. Core Angles      5° at 72.0m 25° at 80.5m (variable) 76.5-76.6 and at 80.5m the bedding is severely twisted almost at right angles.	
		77.70 - 78.50; <u>Intercalated quarta biotite schist and diopside skarn</u> .	
82.70	133.60	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : minor calcite and actinolite. Periodic quartz veins, approximately one per metre of core. Moderate fracturing. Core very homogeneous throughout. Core Angles:      15° at 20° throughtout.	
133.60	146.50	<u>Limestone and Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 50% of section is limestone bands and 50% is intercalated. <u>Limestone</u> : 133.6-133.70, 134.0-135.2, 137.20-137.6, 138.6-139.2, 139.9-140.0, 141.5-141.8, 143.8-144.4. a highly calcareous limestone light to dark grey in colour upper limestone containing minor actinolite, pyrite and a light green soft waxy mineral (134.7m) 145.9-146.50; a dark grey limestone with wavy quartz bands (10% silicification). <u>Intercalated</u> : 135.2-135.7; 1% "pink mineral". The rest of the intercalated bands contain minor pyrrhotite, calcite and actinolite. 139.20 - 139.90; <u>Quartz yein</u> with minor pyrrhotite and 1% actinolite Core Angles:      15 - 18° 133.6-143.8m 12° at 146.8m	
146.50	149.50	<u>Intercalated Quartz Biotite Schist and Diopside Skarn</u> : 1% actinolite and minor pyrite, highly fractured. Core Angle:      12° 0.1m limestone band at 146.8m	
149.50	151.10	<u>Quartz Biotite Schist and Quartz Carbonate Alteration</u> : 30% quartz Carbonate alteration intercalated with the schist and in fractures. minor disseminated pyrite. Core Angle:      12°	
151.10	152.70	<u>Breccia</u> : a dark grey argillite breccia with clasts of quartz carbonate alteration, quartz and pyrite with calcite in fractures.	
152.70	153.40	<u>Intercalated Quartz Carbonate Alteration and Argillite</u> : Core Angle:      15°	
153.40	153.80	<u>Quartz Band</u> : minor altered quartz carbonates.	

DEPTH		DESCRIPTION OF CORE	Page 3
From	To		
153.80	156.80	<u>Altered Quartz Carbonate Zone:</u> containing 0.1m bands of argillite and fine bands of argillite throughout, highly fractured with minor disseminated pyrite.	
156.80	157.40	<u>Altered Quartz Feldspar Biotite Porphyry Dyke:</u> Calcite in fractures and minor disseminated pyrrhotite, minor quartz carbonate alteration.	
157.40	158.20	<u>Limestone:</u> light grey in colour with minor quartz carbonate alteration. Core Angle: 50°	
158.20	159.30	<u>Altered Quartz Feldspar Biotite Porphyry Dyke:</u> as in 156.8 to 157.4m.	
159.30	160.50	<u>Limestone:</u> highly calcareous light grey limestone. Core Angle: 50°	
160.50	166.10	<u>Quartz Diopside Skarn:</u> massive pyrrhotite and scheelite disseminated throughout, calcite and actinolite in fractures. 162.80 - 164.10; 4% Garnet	
166.10	166.50	<u>Intercalated Quartz Biotite Schist with Diopside Skarn:</u> Core Angle: 20°	
166.50	171.20	<u>Quartz Biotite Schist:</u> Calcite and quartz in fractures, core very broken in top section, highly calcareous. Core Angle: 25°	
171.20	175.90	<u>Intercalated Quartz Biotite Schist and Diopside Skarn:</u> Calcite and pyrrhotite in fractures with traces of pyrite. Core Angle: 15° 171.70 - 172.10; Quartz diopside garnet skarn - minor pyrrhotite and calcite with no scheelite.	
175.90	181.50	<u>Quartz Diopside Garnet Skarn:</u> Calcopyrite and pyrite found associated with quartz. sections 175.9 - 176.23 and 176.95-177.60 - do not contain garnet, 1% pyrrhotite found. Scheelite disseminated from 176.23 to 181.5m.	
181.50	184.70	<u>Intercalated Quartz Biotite Schist with Diopside Skarn:</u> 1% pyrrhotite and minor altered quartz carbonate. Scheelite found disseminated throughout the section from 0.15% to 1.00%. Core Angle: 20°	
184.70	185.30	<u>Quartz vein:</u> with 0.15% scheelite.	
185.30	188.0	<u>Quartz Monzonite</u>	
188.00	189.30	<u>Large Quartz Band:</u> with 10% calcite and 2% pyrite.	
189.30	194.16	<u>Quartz Monzonite:</u> with minor biotite and muscovite.	
END OF HOLE			