

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: PATCHE 7 (YA 74179)

Location: 115H/12

Dip Test: 53.0° @ 298'

Mining Division Whitehorse

Hole Nº. 84-03

Angle: -50°

Direction: 111°

87 + 25E

Depth: 298'

Grid Nº.

Co-Ordinates: 42 + 35S

3934'

Date Started: 4 June 1984

Finished: 6 June 1984

Logged By: D. A. Downing

Drilled By: Arctic Diamond Drilling

DEPTH		DESCRIPTION OF CORE	Page 1 of 2
From	To		
0.0	7.0	Overburden	
7.0	9.0	Andesite Dike	
9.0	17.5	Skarn Very magnetic skarn with minor biotite quartz schist bands. The schistosity is at 45° to the c/a and core recovery is only 50% in very broken ground.	
17.5	25.2	Biotite Quartz Schist Cut by both a quartz vein stockwork and a fracture stockwork with magnite and calcite along the fractures. Minor skarn and hornfels banding 17.6 - 17.7 - 1/8" quartz/carbonate vein with a 2" grey coloured alteration halo	
25.2	34.0	Skarn	
34.0	50.5	Biotite Quartz Schist Variably magnetic and calcareous schist with minor skarn and hornfels banding 39.5 - 40.0 - sheared 1/2" quartz/carbonate vein with poor core recovery 41.0 - 41.1 - sheared 1/2" quartz/carbonate vein with poor core recovery 43.0 - 43.1 - sheared 1/2" quartz/carbonate vein with poor core recovery 44.2 0 44.8 - #98101 - QV ₂ with a trace of rust staining where fractured and a 2" grey alteration margin on the footwall	
50.5	55.1	Grey Altered Biotite Quartz Schist Schist altered due to a major QV ₂ 51.6 - 52.0 - #98102 - Hangingwall with minor quartz veining and pyritization in a slightly brecciated zone 52.0 - 52.6 - #98103 - Slightly brecciated, pyritized QV ₂ with trace galena 52.6 - 53.1 - #98104 - Rust Stained footwall	
55.1	62.5	Calc-silicate hornfels	
62.5	69.8	Silicified Biotite Quartz Schist	
69.8	73.0	Grey Altered Biotite Quartz Schist Schist altered around a major shear 71.0 - 72.5 - Rusty kaolinite breccia in a major shear	

DEPTH		DESCRIPTION OF CORE	Page 2 of 2
From	To		
73.0	88.7	Calc-silicate Hornfels Calcareous, non magnetic hornfels 86.0 - 87.0 - Silicified Biotite Quartz Schist	
88.7	104.7	Grey Altered Biotite Quartz Schist Bands of alteration of variable intensity with minor silicified bands 88.8 - 90.7 - #98105 - Brecciated, pyritic quartz/carbonate veins 100.0 - 101.6 - #98106 - A series of distorted pyritic QV ₁ with trace molybdenum 102.2 - 104.7 - #98107 - Slightly pyritic QV ₂ with a trace molybdenum	
104.7	122.3	Biotite Quartz Schist Variably magnetic and calcareous schist with minor skarn and hornfels bands. The schistosity is at 40° to c/a 106.1 - 106.4 - #98108 - QV ₂ with large euhedral pyrite crystals, minor pyrrhotite & a trace of chalcopyrite 109.0 - 109.3 - #98109 - QV ₂ similar to the one described above 110.4 - 110.6 - #98110 - Milky massive white quartz 116.9 - 117.1 - #98111 - Quartz vein with 40% pyrrhotite, 10% pyrite, minor chalcopyrite and a trace of molybdenum on fracture surfaces	
122.3	123.9	Leucocratic Granite	
123.9	140.9	Biotite Quartz Schist - schist with minor skarn bands and marginal to calc-silicate hornfels 126.0 - 126.5 - #98112 - QV ₁ truncated by a shear 126.8 - 127.5 - #98113 - Quartz vein with minor pyrite and a trace of molybdenum	
140.9	141.4	Leucocratic Granite	
141.4	155.4	Biotite Quartz Schist - Banded with skarn and hornfels	
155.4	170.5	Leucocratic Granite - The lower contact with sediment is gradational	
170.5	176.5	Quartz vein - milky massive white quartz containing minor pyrrhotite & pyrite with a trace of chalcopyrite. The upper contact with the granite has a minor section of grey altered biotite quartz schist 170.5 - 176.5 - #98114	
176.5	199.0	Skarn	
199.0	200.7	Leucocratic Granite	
200.7	204.7	Biotite Quartz Schist - Schist marginal to hornfels due to a QV ₁ stockwork and bleaching around fractures. The schistosity is at 45° to the c/a.	
204.7	298.0	Skarn - Skarn with minor granite diking and the unit is marginal to calc-silicate hornfels 211.0 - 211.8 - #98115 - QV ₂ with large euhedral pyrite crystals and with trace molybdenum 227.2 - 227.7 - #98116 - Quartz vein 244.2 - 244.5 - #98117 - Quartz vein 247.0 - 248.0 - #98118 - QV ₂ with large euhedral pyrite crystals, pyrrhotite, mica and a trace of chalcopyrite 263.0 - 264.0 - grey bleaching around a fracture set	
298.0		END OF HOLE	