

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: PATCH 7 (YA74179)

Location: 115 H/12

Dip Tests: 70.0°@253'
74.0°@339'

Mining Division Whitehorse

Hole Nº. 84-02

Angle: -72°

Direction: 078°

Depth: 339'

Grid Nº.

87 + 25E
Co-Ordinates: 42 + 35S
3934'

Date Started: 1 June 1984

Finished: 3 June 1984

Logged By: D. A. Downing

Drilled By: Arctic Diamond Drilling

DEPTH		DESCRIPTION OF CORE
From	To	
0.0	8.5	Overburden
8.5	17.8	Skarn 9.2 - 9.7 - #98039 - Hangingwall 9.7 - 10.3 - #98040 - Saccharoidal quartz vein with pyrite and pyrrhotite margins 10.3 - 14.0 - #98041 - Footwall
17.8	20.6	Biotite Quartz Schist Stockwork of distorted, "sweated-out" quartz veins with calc-silicate hornfels margins 17.8 - 19.9 - Several 1/16" QV ₂ perpendicular to c/a cutting both a stockwork of QV ₁ and a stockwork of pyrite filled fractures. Biotite in the schist is bleached adjacent to the QV ₂ 's.
20.6	22.3	Skarn - Quartz vein stockwork and molybdenum in fractures
22.3	26.6	Biotite Quartz Schist Slightly to strongly calcareous with magnetic filled fractures 22.3 - 23.5 - Calc-silicate hornfels 25.00 - 25.5 - skarn
26.6	35.2	Skarn - Magnetic and calcareous
35.2	43.8	Biotite Quartz Schist Calcareous and magnetic schist with extensive calc-silicate hornfels development 38.0 - 40.6 - Quartz vein stockwork 40.6 - 41.0 - #98042 - Hangingwall 41.0 - 41.4 - #98043 - Pyrite and galena in a slightly rusty quartz vein 41.4 - 41.9 - #98044 - Footwall with 1/2" argillic alteration margin at vein contact
43.8	50.2	Tan Altered Biotite Quartz Schist Noncalcareous schist with tan coloured alteration. Schist is non-magnetic with minor calcite as fracture fillings. 47.2 - 47.9 - #98045 - Hangingwall 47.9 - 48.5 - #98046 - Milky, white quartz vein with yellow, rusty calcite along fractures. Minor pyrite and very fine grained galena intergrown with trace chalcopryrite 48.5 - 49.1 - #98047 - Footwall

Page 1 of 4

DEPTH		DESCRIPTION OF CORE	Page 2 of 4
From	To		
50.2	54.5	Biotite Quartz Schist with quartz stockwork 53.3 - 53.4 - 1/8" brecciated zone with 2" bleached halo	
54.5	62.4	Tan Altered Biotite Quartz Schist 56.2 - 57.0 - Hangingwall 57.0 - 58.0 - QV ₂ with pyrite, very dark blueish, very fine grained galena and rusty brown calcite fracture fillings with trace coatings of azurite and malachite.	
62.4	85.0	Calc-silicate Hornfels Calcareous hornfels with minor rusty shears and rare magnetite 83.2 - 83.9 - #98051 - Hangingwall 83.9 - 84.3 - #98052 - QV ₂ with minor rusty calcite on fractures and trace pyrite 84.3 - 85.0 - #98053 - Footwall	
85.0	92.1	Tan Altered Biotite Quartz Schist 87.5 - 88.5 - Shear zone 89.5-90.5 - #98054 - Hangingwall 90.5 - 90.8 - #98055 - QV ₂ 90.8 - 91.6 - #98056 - Footwall	
92.1	125.3	Calc-silicate Hornfels Variably magnetic and calcareous 98.0 - 100.5 - Skarn 102.5 - 102.6 - Pyrite, Pyrrhotite, Mica Vein 103.8 - 104.0 - #98097 - Quartz vein with pyritic, micaceous margins 107.0 - 108.0 - Skarn 115.9 - 116.6 - #98057 - Hangingwall 116.6 - 117.6 - #98058 - Quartz vein with minor pyrite and trace galena 117.6 - 118.5 - #98059 - Footwall 118.7 - 121.3 - Skarn	
125.3	129.3	Leucocratic Granite Stockwork of very fine clear and milky quartz veins is criss crossed by a stockwork of <1/64" fractures filled with a dark green mineral. The host is speckled with <1/64" disseminations of the same mineral. There is trace pyrite and pyrrhotite along the fractures. 125.3 - 126.5 - #98060 - Pyritic quartz vein 128.2 - 129.3 - #98061 - Quartz veins in very micaceous granite with minor pyrite and rare disseminations of molybdenum	
129.3	148.5	Biotite Quartz Schist 129.3 - 129.5 - #98062 - Massive pyrite in a quartz vein 129.5 - 129.8 - #98063 - Hangingwall 129.8 - 130.0 - #98064 - Pyritic quartz vein 130.0 - 130.3 - #98065 - Footwall 132.0 - 133.3 - Skarn 138.5 - 138.9 - #98066 - Hangingwall 138.9 - 139.9 - #98067 - Quartz vein with massive and leaf pyrite 139.9 - 140.4 - #98068 - Footwall with extremely pyrrhotite rich calc-silicate hornfels. 145.2 - 145.3 - #98098 - Pyrrhotitic QV ₁ 145.8 - 146.0 - #98099 - Pyrrhotitic QV ₁	
148.5	150.3	Leucocratic Granite	
150.3	159.8	Calc-silicate hornfels - Hornfels is marginal to schist with minor skarn banding.	

DEPTH		DESCRIPTION OF CORE	Page 3 of 4
From	To		
159.8	165.4	Tan Altered Biotite Quartz Schist 161.5 - 161.6 - Trace malachite and azurite along rusty slicken sided fractures 163.2 - 164.6 - #98069 - Brecciated quartz vein with pyrite, pyrrhotite and either galena or molybdenum 164.6 - 165.6 - #98070 - Brecciated pyrite and quartz vein with trace flourite	
165.4	166.5	Calc-silicate hornfels	
166.5	169.4	Leucocratic Granite 166.9 - 167.9 - #98071 - Micaceous, slightly pyritic quartz vein with trace molybdenum	
169.4	196.4	Biotite Quartz Schist Schist with minor skarn and calc-silicate hornfels bands 172.0 - 172.1 - ½" quartz vein with disseminated molybdenum 172.1 - 172.7 - ½" quartz vein with disseminated molybdenum 192.0 - 192.7 - #98072 - Quartz vein with pyrite, galena and trace molybdenum 193.0 - 194.5 - 1" quartz vein perpendicular to the c/a with a core of pyrite and molybdenum	
196.4	199.3	Grey Altered Biotite Quartz Schist - very calcareous schist altered to a grey colour with a slightly pyritic carbonate vein stockwork containing trace molybdenum and flourite	
199.3	201.9	Skarn	
201.9	203.7	Grey Altered Biotite Quartz Schist	
203.7	209.0	Skarn	
221.0	228.2	Biotite Quartz Schist Upper and lower contacts are cal-silicate hornfels 224.1 - 225.0 - #98073 - Saccharoidal quartz vein with trace pyrite and molybdenum	
228.2	239.0	Skarn 228.0 - 228.9 - #98074 - Hangingwall skarn 228.9 - 229.3 - #98075 - Massive pyrite vein 229.3 - 230.3 - #98076 - Footwall skarn 235.8 - 236.0 - #98077 - Quartz vein of quartz vein stockwork that has trace molybdenum on fractures.	
239.0	241.6	Leucocratic Granite	
241.6	243.0	Skarn	
243.0	246.0	Biotite Quartz Schist 244.1 - 244.3 - #98078 - Quartz vein stockwork with large euhedral pyrite crystals	
246.0	253.5	Leucocratic Granite Metasomatized (albitization) for 10 feet below the sediment contact 246.0 - 254.5 - strongly quartz veined and pegmatitic 246.5 - 248.3 - #98079 - Hangingwall with large (¾") euhedral crystals of green/grey feldspar (albite?) in a matrix of sugary quartz, pyroxene & biotite 248.3 - 251.7 - #98080 - Quartz vein with large (1") feldspar crystals and rare but large books of molybdenum 251.7 - 252.5 - #98081 - Pyritic Feldspar band 252.5 - 253.6 - #98082 - Quartz/feldspar vein	

DEPTH

DESCRIPTION OF CORE

Page 4 of 4

From

To

320.0

323.6

Skarn

323.6

339.0

Leucocratic Granite

339.0

End of Hole