

## HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim SHALE 42

Location: PELLY BANKS OPTION

Mining Division WATSON LAKE

Hole N° PB 81-6

Angle: -50°

Direction: South

Depth: 129.5 m

Grid N°

Co-Ordinates: 1 + 00N

Line 8 + 00E

Date Started: March 28, 1981

Finished: March 31, 1981

Logged By: D. Crowe

Drilled By: Caron Diamond Drilling

DEPTH		DESCRIPTION OF CORE	Page 1 of 2
From	To		
0.0	11.4	Overburden: Clay, sand and gravel	
11.4	17.5	Calcareous Quartz-Chlorite Carbonaceous Phyllite: Fine grained, generally massive, minor bedding visible. Drab grey green colour from light to dark. Quartz and calcite along fractures and foliation. Graphite occurs along slips and fracture planes. Tuffaceous origin possible. Breccia at 13.6 m. Groundmass material is moderately calcareous. C. A. 59° @ 12 m. 58° @ 17.5 m.	
17.5	39.8	Graphite Phyllite: Massive, black, fine grained. Fine grained grey quartz laminations commonly have associated fine grained pyrite. C. A. 64° @ 26.5 m. 79° @ 39.5 m.	
39.8	45.7	Siliceous Banded Graphitic Phyllite: Fine grained white and grey bands and lamination (2-5 mm) of fine grained quartz alternating with darker graphitic bands. C. A. 79° @ 40 m. 70° @ 45.5 m.	
45.7	58.0	Graphite Phyllite: Massive, black and fine grained. Siliceous dark grey banded sections. White quartz stringers at 57 m. Disseminated and cubes of pyrite occasionally throughout contacts are gradational. C. A. 60° @ 58 m.	
58.0	84.0	Siliceous Banded Graphitic Phyllite: Fine grained light grey phyllite. Minor chlorite phyllite occurs as fine bands or along foliation. Gradational contacts @ 76.5-79.4 m. Pyrite occurs throughout as disseminations, fine grained clots, coarse cubes or in fine bands. Quartz stringer @ 69 m, 77.2 m, 79 m.	

DEPTH		DESCRIPTION OF CORE	Page 2 of 2
From	To		
84.0	129.5	<p>Shear gouge @ 75 m.  C. A. 51° @ 62 m.  64° @ 74 m.  73° @ 77 m.</p> <p>Quartz Chlorite Sericite Phyllite: light drab green, fine grained, massive to well banded. Tan coloured quartz sericite alteration @  91.2 - 92.8 Strong 3-4 mm bands of galena sphalerite one band 15 cm.  92.8 - 94.1 mild alteration  94.1 -105.2 strong to mild alteration galena sphalerite with pyrite in 4-6 mm bands over 30 cm  94.1 - 94.4</p> <p>Pyrite occurs disseminated, in fine grained clots, as coarse euhedral crystals and in fine grained fine laminations throughout. Pyrite bands along foliation prominent with siliceous bands @ 91.2 - 106.7 m  @ 111.8-121.3 m  @ 127.2- 129.5 m</p> <p>Minor gouge and shears @ 87.4 m, 90.3 m, 99.8 m, 109 m, 122.3 m, 126.5 m, 129.1 m.  C. A. 71° @ 105.5 m, 37° @ 110 m, 82° @ 115m, 67° @ 119m, 75° @ 128 m.</p>	
	129.5	END OF HOLE	