ARCHER, CATHRO & ASSOCIATES (1981) LIMITED **PROJECT** NDU **PROPERTY** NICK **HOLE NO.** 88-4

Elevation
Coordinates
Dip -45°
Azimuth 025°

Drill contractor CARON
Hole started **completed**
Target

Logged by F. ANDERSON

Total depth 144.5 m. (474')
Core size NQ

CHERTY ARGILLITE
LIMEY SHALE
N.S HORIZON
BRECCIATED CHERT
LIMESTONE BALL MARKER
SHALE
SILICEOUS SHALE

Depth m	% Recov	Visual Log	Struct	Lithology	Alteration	Sulphide & Alteration Mineralogy	Sample Number	Assay Interval	Assay Results
	95%		80°	CHERTY ARGILLITE AND SILICEOUS SHALE, LAMINATIONS 5 mm TO 10 cm					
5	99%		85°	6.7 - BLACK, LAMINATED CHERTY ARGILLITE, 5 TO 25 cm THICK BEDS					
10	100%			11.37 - CHERTY ARGILLITE BEDS, 1 TO 8 cm THICK, SEPARATED BY UP TO 5 mm THICK SHALE LAYERS. UP TO 2 mm PY LAMINAE.					
15	99%	PY	68°	12.89 - 13.23 - WHITE AND GREY SPECKLED LIMEY CORE. 13.23 - CHERTY ARGILLITE BEDS 0.5 TO 1 cm THICK, THIN SHALE OR SHALE/SILICATE LAYERS.					
20	100%	PY PY	90°	20.57 - MASSIVE, LAMINATED (2 TO 8 mm) CHERT, 1% PY LAMINAE.					
25	100%	PY		24.38 - GREY, BANDED SILICEOUS SHALE, BEDS 2 TO 45 cm. AMOUNT OF SULPHIDES LESS.					
30	100%	PY PY		27.95 - BLACK, LAMINATED (1 TO 3 cm) CHERTY ARGILLITE WITH 1 cm SILICATE BANDS AND MUDSTONE BANDS.					
35									
40	100%	PY PY	90°	41.54 - 42.28 - GREY/WHITE SPECKLED LIMESTONE 42.28 - 43.46 - BLACK CHERTY ARGILLITE BEDS - 1 TO 15 cm THICK					
45	100%			43.46 - 43.89 - SILICEOUS SHALE, PALER THAN ARGILLITE 43.89 - CHERTY ARGILLITE, BEDS ARE 2 TO 10 cm THICK, <1% SILICATE BANDS 47.55 - SILICEOUS SHALE, LIGHTER GREY THAN ARGILLITE AND NON-LAMINATED					

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED **PROJECT** NDU **PROPERTY** NICK **HOLE NO.** 88-4

Elevation	Drill contractor	Logged by	Total depth
Coordinates	Hole started	completed	Core size
Dip	Target		
Azimuth			

Depth	% Recov	Visual Log	Struct	Lithology	Alteration	Sulphide & Alteration Mineralogy	Sample Number	Assay Interval	Assay Results
		Py, Py	83°, 90°	50.29 - BLACK, CHERTY ARGILLITE BEDS, WEAKLY LAMINATED, 0.5 TO 5 cm THICK 1% PY BANDS					
55	100%			53.34 - LAMINATED ARGILLITE BEDS, 1 TO 8 cm THICK, UP TO 5 mm SHALE LAYERS, 1% PY BANDS					
60	100%	Py	90°	61.57 - WEAKLY LAMINATED, BLACK, CHERTY ARGILLITE WITH 5 TO 20 cm THICK BEDS, PY BANDS HAVING 10 cm SPACING					
65				62.79 - LAMINATED BLACK TO GRAY BLACK ARGILLITE/SILICEOUS SHALE WITH 5 TO 10 cm THICK BEDS. PY BANDS, HAVING 15 cm SPACING AND SILICATE BANDS					
70	100%	Py		69.5 - LAMINATED BLACK TO GRAY BLACK ARGILLITE/SILICEOUS SHALE WITH 1 TO 13 cm THICK BEDS. NO SILICATE BANDS.					
75		Py		78.03 - WEAKLY LAMINATED, BLACK CHERT BEDS, 5 TO 30 cm THICK BEDS. MINOR SILICATE BANDS, UP TO 5 mm THICK.					
80	100%		83°	80.68 - 81.08 - CARBONATE MATRIX SUPPORTING BRECCIATED CHERT CLASTS. 81.08 - WEAKLY LAMINATED CHERTY ARGILLITE WITH 2 TO 20 cm THICK BEDS. <1% SILICATE LAYERS					
85		Py, Py		86.56 - SAME AS 81.08 BUT WITH >1% WHITE SILICATE					
90		Py	90°						
95	100%	Py, Py, Py		94.79 - 95.40 - LIMEY SHALE, SILICA RICH 95.40 - HARD, GREYISH, CHERTY ARGILLITE WITH 2 TO 12 cm THICK BEDS. <1% SILICATE AND PY LAMELLAE.					

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **PROJECT** NDU | **PROPERTY** NICK | **HOLE NO.** 88-4 | **Page** 3 **of** 3

Elevation	Drill contractor	Logged by	Total depth
Coordinates	Hole started	completed	Core size
Dip	Target		
Azimuth			

Depth	% Recov	Visual Log	Struct	Lithology	Alteration	Sulphide & Alteration Mineralogy	Sample Number	Assay Interval	Assay Results
		Py Py							
105		Py							
110		Py							
115	100%	Py Py	70° 63°	114.61 - 115.61 - FRACTURED, BLACK ARGILLITE WITH 1 TO 7 cm THICK BEDS 115.61 - UNFRACTURED BLACK/GREY ARGILLITE WITH <1% SILICATE LAYERS 118.87 - BLACKISH GREY, WEAKLY LAMINATED CHERT/ARGILLITE WITH 15 TO 40 cm THICK BEDS					
120	100%	Py	90°	121.0 - LAMINATED CHERT WITH 2 TO 10 cm THICK BEDS. 122.32 - CHERTY ARGILLITE WITH MINOR (<5 cm) SECTIONS OF SILICEOUS LIMEY SHALE. 2-3% WHITE SILICATE BANDS.					
125		Py	76°	126.89 - BLACK ARGILLITE/SILICEOUS SHALE WITH 2 TO 15 cm THICK BEDS. <<1% SILICATE OR PY.					
130	95%			132.59 - SILICEOUS GREY SHALE WITH 1 TO 5cm THICK BEDS. SOME DISSEMINATED CARBONATE					
135	100%			134.11 - SLIGHTLY LIMEY, LAMINATED, SILICEOUS SHALE. 136.09 - LAMINATED LIMESTONE, CHANGING GRADUALLY TO SHALE					
140	100%			139.3 - CHERT AND UP TO 1cm SHALE LAYERS 140.51 - 140.82 - LIMESTONE BALL 140.82 - 141.43 - CHERT/SHALE MATRIX 141.43 - 143.41 - LIMESTONE BALLS ALTERNATING WITH A SHALE/CHERT MATRIX					
145				143.41 - 144.5 - LIMEY, SILICEOUS SHALE WITH 2 TO 7 cm THICK BEDS					