

DIP TESTS								
TEST	FROM	TO	TOTAL	DIP	CORR.	LATITUDE	DEPARTURE	CUM.

DIAMOND DRILL HOLE LOG

Project 521

ELDORADO NUCLEAR LIMITED

LOCATION MST Claims
SECTION _____
LATITUDE 0 + 50 N
DEPARTURE 1 + 04 W
ELEVATION Surface
CORE AXT
STORAGE Whitehorse

HOLE No. M-1
AZIMUTH 0°
DIP 50°
LENGTH 121.7
PURPOSE _____
COMPLETED Aug. 27
LOGGED BY J. Griffin

FOOTAAGE		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	%	AVERAGES
0	5'	Overburden					
5	17	Chert breccia - dark grey mottled rock with 5% black subangular chert fragments (mean size - 1 cm; range .1-3 cm) in a grey-brown chert and sugary dolomite matrix. Brown chert appears to replace dolomite. Vuggy porosity 5-15% filled with banded chert and fine to coarse sand size quartz and dolomite crystals 5' - 12' 70% core recovery	5.8	6.8	1.0	7543	ppm U. 154.0
17	41.5	Vuggy dolomite - lt. grey - lt. brown sugary dolomite with vuggy porosity filled concentrically inwards by banded chert, euhedral quartz and pyrobitumen. Porosity ranges from 5% - 30%. Prominent birdseye porosity at 31.5'. Stylolites are common. Tops-indicating structures at 38.5' showing top direction up core. 28' - 30' 80% core recovery	30.0	35.0	5.0	7544	1.0
41.5	60.3	Chert breccia - grey mottled rock. 1-10% black - dk. brown, angular to subrounded chert fragments in a mottled brown to grey sugary dolomite matrix. Some fragments have irregular shape i.e. blob-like. Black chert seen to grade into grey sugary dolomite at 41'. Birdseye, vug and fracture porosity types make up from 5-15% of rock. Porosity types filled with quartz and calcite. Abundant indications of solution e.g. stylolites 1" pyrobitumen seam at 53.7'.	48.9	50.5	1.6	7545	47.0
60.3	74.1	Chert breccia - 5% angular-subround chert fragments (mean size 1 cm) in a mottled dk grey and dk brown fine grained cherty dolomite matrix. Fracture and birdseye porosity (5-10% - calcite filled at 65.3', calcite vein with euhedral flourite	62.6	65.0	2.4	7546	324.0
74.1	77.4	Cherty dolomite - mottled dk. grey-black and dk. brown fine grained rock. 5% fracture porosity.	65.0	66.6	1.6	7547	205.0
77.4	80.0	Chert breccia - as at 60.3'. Fracture porosity - 5%.	66.6	68.0	1.4	7548	260.0
80.0	81.2	Mottled cherty dolomite - as at 74.1' with birdseye porosity <5%.	68.0	69.9	1.9	7549	122.0
81.2	83.1	Chert breccia - subrounded irregular black chert fragments in a mottled light brown-dark grey, sometimes peloidal cherty dolomite. Mottling is roughly 45° to core. 5% birdseye, interstitial and fracture porosity.	77.4	79.5	2.1	7550	75.0

DIAMOND DRILL HOLE LOG

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FOOTAGE		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	%	AVERAGES
83.1	85.9	Cherty dolomite - mottled with occasional (<1%) subrounded chert fragment. Similar to unit at 80.0'.					
83.1	89.3	Chert breccia - as at 81.2. Chert fragments are rounded (size range .1-.5 cm.) 5% porosity.	86.0	87.1	7.0	7551	3.5
89.3	103.5	Mottled cherty dolomite - dk. grey - lt. brown fossiliferous to peloidal. Abundant fossils (possibly algae?) at upper 1.5' of unit. Birdseye fracture and minor vug porosity 5-10%.	95.0	100.0	5.0	7552	2.5
103.5	106.5	Vuggy dolomite - Vugs are chert and quartz filled. Minor subround chert fragments. Similar to unit at 17'.					
106.5	108.9	Chert Breccia - angular - subrounded fragments of black chert (<5%) and black-brown cherty dolomite in lt. grey-lt. brown fine grained dolomite matrix. Porosity <5%. Abundant stylolites. Some black chert fragments seen to grade into cherty dolomite.					
108.9	112.0	Vuggy dolomite - vuggy porosity (25%) in lt. brown-lt. grey sugary dolomite. Vugs are concentrically filled with chert, quartz and pyrobitumen.					
112.0	112.9	Chert breccia - Angular - subrounded fragments of black chert (<5%) and cherty dolomite in cherty dolomite matrix. Fracture porosity (5%). Similar to unit at 106.5"					
112.9	118.5	Cherty dolomite - Dart grey to light grey cherty fine grained dolomite with abundant birdseye porosity <5-10%. 5% subround fine sand size black chert fragments present. Stylolites common.					
118.5	121.7	Fine grained dolomite - <5% vug and birdseye porosity. Black chert in fractures.					
		Foot of hole.					
		Drilled by: Wink International Exploration Drilling					
		Driller: Sean Ivens					
		Left in Hole: Nil					
		Radiometrics: McPhar TV1A #176-91					