

PROJECT/E.L.: Langloh E.L. 27/79RIG/METHOD:TOTAL DEPTH: 27.0 MetresHOLE NO.: H-11CORE SIZE: NQDRILLER/ASSISTANT: W.B./R.L./ T.S.LOCATION: 481,469 M.E./5,290,084 M.N.COMMENCED: 13/5/82CORE LOGGED: K. MorrisonCOLLAR ELEVATION: 156.17FINISHED: 14/5/82GEOLOGIST: K.M.

METRES DRILLED	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
0.00-3.60	PRE COLLAR	OPEN HOLE	Soil, decomposed sandstone.	
3.60-8.75	100	Sandstone	Massive lithic arenite, bands of alternating oxidized/non-oxidized rock.	
8.75-9.90	59	Conglomerate	Mudstone conglomerate in several bands, interbedded with mudstone.	
			Rock is oxidized, fractured with slickensided surfaces. Some bodies of sand.	
9.90-10.05	100	Sandstone	Medium lithic arenite. Top contact is erosional. Scour and fill.	
10.05-10.26	100	Mudstone	Black carbonaceous.	
10.26-10.80	100	Mudstone	Grey, greasy feel, slickensided on break.	
10.80-11.16	100	Coal	Uniform, semi-bright-dull, abundant carbonate-filled veinlets.	
11.16-13.60	100	Mudstone	Grey, greasy feel. Cracks readily on drying. Wispy, undulating carbonaceous laminations.	
13.60-14.00	100	Coal	Semi-bright dull, Low apparent density. Abundant secondary carbonate in cleats and horizontal bands. Dirt bands at 13.77-13.79.	

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METRES DRILLED	CORE LENGTH	% RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
14.00-14.18		100	Mudstone	Deformation structures. Carbonaceous wisps, silty in places.	
14.18-14.36		100	Siltstone	Grading down from mudstone (Fining Up) cross laminated. Plant macrofossils.	
14.36-15.97		100	Mudstone	Grey, cross laminated, undulating laminations, slickensided on break surfaces.	
15.97-16.02		100	Mudstone	Carbonaceous, non-erosional upper contact.	
16.02-16.25		100	Coal	Dull, abundant bright bands, secondary carbonate.	
16.25-17.20		100	Mudstone	Cross laminated with siltstone. Truncation surfaces, soft sediment slump, fault structures, minor pebbles of reworked coal.	
17.20-17.26		100	Coal	Semi-bright, with dirt bands, secondary carbonate. Grading down to carbonaceous mudstone.	
17.26-17.70		100	Mudstone	Becoming less carbonaceous down. Undulose micro lamination.	
17.70-18.03		100	Siltstone	Cross laminated siltstone/grey mudstone.	
18.03-18.86		100	Mudstone	Grey undulose, carbonaceous lamination.	
18.86-19.42		100	Siltstone	Cross laminated siltstone/mudstone.	

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METRES DRILLED	CORE LENGTH	*RECOVERY	LITHOLOGY	ROCK DESCRIPTION	REMARKS
19.42-20.46		100	Sandstone	Fine lithic arenite. Minor siltstone.	
20.46-20.58		100	Siltstone	Cross laminated. Part of frequently changing energy levels in overbank facies.	
20.58-20.84		100	Sandstone	Fine lithic arenite. Small scale trough cross bedding.	
20.84-21.00		100	Siltstone	Siltstone with minor mud bands.	
21.00-21.69		100	Sandstone	Massive to cross laminated, defined by carbonaceous traces of troughs.	
21.69-22.42		100	Siltstone	High density of carbonaceous cross lamination plus undulating, wispy lamination, especially in coarse, fine arenites. Minor secondary carbonate parallel to bedding.	
23.12-23.24		100	Mudstone	Grey laminated, carbonaceous wisps.	
23.24-23.60		100	Siltstone	Intense soft sediment folding, load structures. Small sand lenses.	
23.60-25.18		87	Mudstone	Cracks into small blocks on drying. Minor siltstone, minor slicksiding. Top 12cm and bottom 25cm = black carbonaceous shale = splits parallel to bedding.	

