

224

<u>Depth (m)</u>	<u>Lithologic Description</u>
0.00 - 0.80	<u>Soil</u> : Dark brown, argillaceous.
0.80 - 2.80	<u>Clay</u> : Light grey to light tan, with very fine grained, light grey, feldspathic sand. Claystone/Sandstone ratio = 90:10
2.80 - 4.00	<u>Sandy Clay</u> : Light yellow, with fine grained sand: light grey, feldspathic. Claystone/Sandstone ratio = 70:30
4.00 - 5.00	<u>Clay</u> : Orange - light tan, with minor light grey, feldspathic, fine grained sand particles. Claystone/Sandstone ratio = 90:10
5.00 - 8.00	<u>Sandy Clay</u> : Light tan colour, very soft, with fine grained feldspathic sand of light grey colour. Claystone/Sandstone ratio = 60:40
8.00 - 10.00	<u>Sandy Clay</u> : Becoming light grey with minor tan wisps. Claystone/Sandstone ratio = 70:30
10.00 - 12.00	<u>As above</u> but with clay altering to a tan colour.
12.00 - 13.00	<u>As above</u> but with sand grains showing less sorting. Claystone/Sandstone ratio = 60:40
13.00 - 14.00	<u>As above</u> : Sand grains becoming fine to medium-fine in size, feldspathic.
14.00 - 15.00	<u>Clayey Sand</u> : Light grey, fine grained. Sandstone/Claystone ratio = 60:40
15.00 - 18.00	<u>Clayey Sandstone</u> : Light grey, well sorted, medium to fine grained with light grey clay. Sandstone/Claystone ratio = 80:20
18.00 - 18.55	<u>Sand</u> : Light grey, medium to fine grained, moderate sorting. Sandstone/Claystone ratio = 90:10
18.55 - 18.58	<u>Inferior Coal</u> : Dull with minor bright bands.
18.58 - 19.20	<u>Sandstone</u> : Light grey, medium to fine grained, with minor carbonaceous mudstone bands throughout.
19.20 - 19.85	<u>Sandstone</u> : Light grey, medium grained; with carbonaceous mudstone bands.
19.85 - 20.00	<u>Carbonaceous Mudstone</u> : Hard, blocky, micaceous, minor coal stringers.

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20.00 - 20.80	<u>Clod</u> : Black, soft, sticky. (Core loss 0.76mts)
20.80 - 21.00	<u>Carbonaceous Mudstone</u> : Soft but becoming hard at base of unit, micaceous, blocky.
21.00 - 21.50	<u>Core Loss</u> : Possible carbonaceous mudstone.
21.50 - 22.10	<u>Carbonaceous Mudstone</u> : Dark grey to black, micaceous pyritic in part, hard, light grey silty banding.
22.10 - 22.34	<u>Core Loss</u> :
22.34 - 24.46	<u>Carbonaceous Mudstone</u> : Dark grey to black, micaceous, pyritic in part, hard, with light grey silty bands showing cross stratification and coarsening up at top of unit. Slickensided between 23.92 - 24.03; convolute lamination near base of unit.
24.46 - 24.67	<u>Core Loss</u> : Possible shattered or weathered mudstone.
24.67 - 26.00	<u>Silty Sandstone</u> : Light to dark grey, feldspathic, lithic, fine grained, well sorted, moderately cemented, carbonaceous mudstone bands throughout; grades into underlying unit.
26.00 - 30.10	<u>Sandstone</u> : Light grey, feldspathic, moderately sorted, fine to medium grained between 26.00 - 26.52, coarse grained, slightly silty at top of unit; with thick very micaceous carbonaceous bands between 26.52 - 30.10; grades into underlying unit.
30.10 - 31.66	<u>Sandy Siltstone</u> : Light grey to dark grey, hard, very micaceous, feldspathic. Grading into a dark mudstone at base of unit.
31.66 - 33.05	<u>Sandstone</u> : White to light grey, feldspathic, lithic, well cemented, fine to medium grained, moderately sorted; with quartzite pebbles: white, poorly sorted, sub angular to sub rounded between 31.66 - 31.89.
33.05 - 33.71	<u>Sandstone</u> : Light grey, fine grained, well sorted, feldspathic; with carbonaceous mudstone bands: micaceous, hard and blocky.
33.71 - 34.02	<u>Carbonaceous Mudstone</u> : Micaceous, hard, blocky.
34.02 - 36.10	<u>Sandstone</u> : Light grey, feldspathic, very micaceous, fine grained, well sorted, moderately cemented, lithic, slightly silty at base of unit.

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36.10 - 40.19	<u>Silty Sandstone</u> : Light grey, feldspathic, well sorted, moderately cemented, fine grained, calcite veins between 36.17 - 36.40m, carbonaceous banding throughout. Grades into underlying unit.
40.19 - 44.68	<u>Carbonaceous Mudstone</u> : Hard, blocky, pyritic throughout, very pyritic in places, micaceous at top of section and decreasing towards base of unit. Becoming very silty between 44.18 - 44.68m, grading into a silty sandstone, with minor bands of silty sandstone less than 1cm thick throughout. Deformation and slump features between 44.18 - 44.68m.
44.68 - 45.03	<u>Silty Sandstone</u> : Light grey, well sorted, moderately cemented, feldspathic, micaceous, fine grained; with flame structures.
45.03 - 50.06	<u>Carbonaceous Mudstone</u> : Hard, blocky, with fine bands of light grey silty sandstone. Abundant deformation features between 49.63 - 50.06m.
50.06 T.D.	