

<u>Depth (m)</u>	<u>Lithologic Description</u>
0.00 - 1.75	<u>Soil</u> : Red-brown, silty, loamy; with clay particles; red-brown, soft, sticky, argillaceous, slightly ferruginous.
1.75 - 11.00	<u>Sandstone</u> : Red-brown-yellow, fine to medium grained, well sorted, poorly cemented, dominantly feldspathic matrix, slightly micaceous, weathered, slightly clayey.
11.00 - 13.10	<u>Sandstone</u> : Light grey, fine to medium grained, well sorted, moderately cemented, dominantly feldspathic matrix, slightly micaceous.
13.10 - 13.30	<u>Carbonaceous Mudstone</u> : Grading to inferior coal in part.
13.30 - 13.74	<u>Coal</u> : Dull with minor bright bands
13.74 - 13.77	<u>Carbonaceous Shale</u> : Dark grey, sub-fissile.
13.77 - 14.59	<u>Coal</u> : Dull with minor bright bands with occasional Db.
14.59 - 14.64	<u>Carbonaceous Mudstone</u> : Dark grey, soft.
14.64 - 15.04	<u>Coal</u> : Dull with minor bright bands with minor Db laminations.
15.04 - 17.23	<u>Core Loss</u>
17.23 - 18.21	<u>Coal</u> : Db with occasional dull minor bright bands.
18.21 - 18.30	<u>Mudstone</u> : Light grey to dark grey, blocky, micaceous.
18.30 - 19.32	<u>Core Loss</u>
19.32 - 20.49	<u>Coal</u> : Dull with minor bright bands, grading to inferior coal; occasional Bd lamellae; calcitic.
20.49 - 21.30	<u>Mudstone</u> : Light grey, blocky, moderately hard, indurated, partly micaceous.
21.30 - 24.15	<u>Mudstone</u> : As above; micaceous in part with sporadic plant impressions along bedding plane.
24.15 - 24.30	<u>Core Loss</u>
24.30 - 24.93	<u>Mudstone</u> : As above.
24.93 - 27.27	<u>Sandstone</u> : Light grey, medium grained, sucrosic texture, well sorted and cemented, dominantly feldspathic matrix, micaceous throughout, lithic, pyritic.

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27.27 - 27.30	<u>Core Loss</u>
27.30 - 27.45	<u>Mudstone</u> : Light grey, blocky, indurated, slightly micaceous.
27.45 - 30.30	<u>Sandstone</u> : Light grey, medium-coarse grained, well sorted and cemented, sucrosic texture, dominantly feldspathic matrix, lithic in part, micaceous throughout.
30.30 - 33.38	<u>Sandstone</u> : Light grey, medium grained to occasionally coarse grained, sucrosic texture, well sorted and cemented, feldspathic matrix, slightly micaceous, pyritic and chloritic in part.
33.38 - 36.38	<u>Sandstone</u> : Light grey, medium grained, sucrosic texture, well sorted and cemented, dominantly feldspathic matrix, slightly micaceous, pyritic.
36.38 - 39.40	<u>Sandstone</u> : As above; medium-coarse grained, sucrosic texture.
39.40 - 42.46	<u>Sandstone</u> : Light grey to grey, medium-coarse grained, moderately well sorted and cemented, dominantly feldspathic matrix, slightly micaceous, carbonaceous blebs, mudstone chips.
42.46 - 45.46	<u>Sandstone</u> : Light grey, medium-coarse grained, moderately sorted, well cemented, slightly sucrosic texture, chloritic throughout, micaceous, lithic, occasional carbonaceous wisps.
45.46 - 48.32	<u>Sandstone</u> : Light grey, fine-coarse grained, well sorted and cemented, dominantly feldspathic matrix, micaceous, lithic, carbonaceous bands.
48.32 - 51.47	<u>Sandstone</u> : As above; medium-coarse grained.
51.47 - 52.20	<u>Sandstone</u> : As above; medium grained; with occasional carbonaceous blebs.
52.20 - 52.51	<u>Core Loss</u>
52.51 - 54.47	<u>Sandstone</u> : As above; medium grained, carbonaceous blebs.
54.47 - 57.42	<u>Sandstone</u> : Light grey, medium grained, moderately sorted, well cemented, dominantly feldspathic matrix, chloritic, slightly micaceous, occasional carbonaceous blebs, calcite veinlets at random; with mudstone chips towards base of unit.
57.42 - 57.47	<u>Core Loss</u>

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57.47 - 64.30	<u>Sandstone</u> : Light grey, medium-coarse grained, well sorted and cemented, dominantly feldspathic matrix, lithic, chloritic in part, micaceous, abundant calcite veinlets.
64.30 - 66.47	<u>Mudstone</u> : Light grey to grey, moderately hard, splintery, indurated, carbonaceous towards base of unit, slickensided in part.
66.47 - 69.47	<u>Mudstone</u> : Light grey, blocky to occasionally splintery, indurated, micaceous, siltstone in places, carbonaceous banding towards base of unit; grading to sandy siltstone in places.
69.47 - 71.73	<u>Mudstone</u> : Light grey to dark grey, hard, blocky, indurated, carbonaceous, banding, slightly slickensided.
71.73 - 71.84	<u>Carbonaceous Mudstone</u> : Hard, sub-fissile; grading to shale.
71.84 - 72.17	<u>Coal</u> : Inferior coal, dull; with carbonaceous blebs.
72.17 - 72.47	<u>Core Loss</u>
72.47 - 75.47	<u>Mudstone</u> : Light grey to grey, hard, blocky, indurated, slightly micaceous, carbonaceous in part.
75.47 - 75.74	<u>Mudstone</u> : Light grey, blocky, indurated, slightly micaceous.
75.74 - 75.88	<u>Carbonaceous Mudstone</u> : Grading to inferior coal in places.
75.88 - 78.07	<u>Mudstone</u> : Light grey, hard, blocky, indurated, slightly micaceous; with intercalations of sandstone: fine-medium grained, well sorted and cemented, feldspathic matrix, becoming more frequent towards base and grading into underlying unit.
78.07 - 81.16	<u>Sandstone</u> : Light grey, coarse grained, well sorted and cemented, sucrosic texture, micaceous, chloritic in part, feldspathic matrix, partly lithic, carbonaceous wisps in places.
81.16 - 84.29	<u>Sandstone</u> : As above; slightly micaceous, sub-angular to rounded, occasional carbonaceous banding.

<u>Depth (m)</u>	<u>Lithologic Description</u>
84.29 - 87.31	<u>Sandstone</u> : Light grey to grey, well sorted, moderately cemented, coarse grained, sucrosic texture, dominantly feldspathic matrix, chloritic in part, slightly micaceous, carbonaceous wisps with coal stringers of up to 2cm in thickness towards base of unit.
88.76 - 89.00	<u>Inferior Coal</u> : Dull, hard.
89.00 - 89.07	<u>Mudstone</u> : Light grey, blocky, hard, indurated.
89.07 - 89.09	<u>Coal</u> : Dull with minor bright bands.
89.09 - 89.42	<u>Mudstone</u> : Light grey, splintery, moderately hard, indurated.
89.42 - 90.47	<u>Mudstone</u> : As above; grading to siltstone in places.
90.47 - 92.87	<u>Mudstone</u> : Light grey to occasionally dark grey, blocky, hard, indurated, carbonaceous in part, plant impressions along bedding plane.
92.87 - 93.87	<u>Siltstone</u> : Light grey to dark grey, well cemented, indurated, carbonaceous bands throughout, feldspathic.
93.87 - 95.45	<u>Sandy Siltstone</u> : Well sorted and cemented, feldspathic matrix, indurated, micaceous in part, carbonaceous bands in places; grading to a fine grained sandstone.
95.45 - 96.97	<u>Mudstone</u> : Dark grey, hard, blocky, occasionally splintery, indurated, slickensided, carbonaceous, slightly micaceous, grading to siltstone in places.
96.97 - 99.97	<u>Siltstone</u> : Light grey to dark grey, well sorted and cemented, dominantly feldspathic matrix, lithic, carbonaceous bands throughout, micaceous, grading to mudstone in places.
99.97 - 102.95	<u>Sandy Siltstone</u> : As above; with slightly higher sand content.
102.95 - 102.97	<u>Core Loss</u>
102.97 - 105.97	<u>Mudstone</u> : Light grey to dark grey, splintery, blocky in part, indurated, plant impressions along bedding plane, slightly micaceous, carbonaceous throughout, slickensided; grading to carbonaceous shale towards base of unit.
105.97 - 106.24	<u>Carbonaceous Mudstone</u> :
106.24 - 106.40	<u>Coal</u> : Dull with minor bright bands; occasional carbonaceous blebs, hard.

<u>Depth (m)</u>	<u>Lithologic Description</u>
106.40 - 108.97	<u>Mudstone</u> : Light grey to grey, hard, blocky, indurated, carbonaceous bands, micaceous.
108.97 - 111.97	<u>Mudstone</u> : Light grey to dark grey, hard, blocky, indurated, micaceous in part, carbonaceous in places, calcite veinlets along fractures, occasional plant impressions along bedding plane; grading into underlying unit.
111.97 - 113.79	<u>Siltstone</u> : Light grey, well cemented, feldspathic matrix, indurated, micaceous, plant impressions.
113.86 - 113.98	<u>Mudstone</u> : Light cream, soft.
113.98 - 114.08	<u>Core Loss</u>
114.08 - 114.67	<u>Mudstone</u> : Light grey to grey, indurated, slightly micaceous.
114.67 - 117.93	<u>Mudstone</u> : Light grey to grey, blocky, hard, indurated, carbonaceous bands throughout, plant remnants along bedding plane, partly micaceous.
117.93 - 117.97	<u>Core Loss</u>
117.97 - 120.97	<u>Mudstone</u> : Grey to dark grey, hard, blocky, occasionally splintery, indurated, carbonaceous throughout, micaceous in part, plant remnants along bedding plane.
120.97 - 123.97	<u>Mudstone</u> : Grey to dark grey, moderately hard, blocky, indurated, carbonaceous throughout, micaceous, plant impressions along bedding plane; grading to siltstone; with slump features.
123.97 - 127.03	<u>Mudstone</u> : Light grey to dark grey, very hard, silicified, blocky, carbonaceous throughout, micaceous, slump features, plant impressions along bedding plane grading to siltstone in places.
127.03 - 130.03	<u>Mudstone</u> : As above; with carbonaceous spotting and bioturbated in part.
130.03 - 132.92	<u>Mudstone</u> : Light grey to dark grey, moderately hard, blocky, indurated, carbonaceous banding throughout, micaceous, plant impressions, slump features and increasing intercalations of siltstone: light-grey, moderately sorted, well cemented, feldspathic matrix, carbonaceous bands.
132.92 - 133.03	<u>Core Loss</u>
133.03 - 133.39	<u>Mudstone</u> : Light grey, hard, blocky, indurated, carbonaceous in part.

<u>Depth (m)</u>	<u>Lithologic Description</u>
133.39 - 133.54	<u>Coal</u> : Dull with minor bright bands, slickensided.
133.54 - 134.50	<u>Mudstone</u> : Light grey to grey, hard, blocky, indurated, slightly micaceous in part.
134.50 - 136.16	<u>Sandy Siltstone</u> : Light grey, moderately sorted, well cemented, feldspathic matrix, indurated.
136.15 - 138.84	<u>Mudstone</u> : Light grey to grey, hard, blocky, indurated, micaceous in part, carbonaceous bands.
138.84 - 138.90	<u>Core Loss</u>
138.90 - 141.94	<u>Mudstone</u> : Dark grey to occasionally light grey, hard, blocky, carbonaceous, micaceous, plant impressions along bedding plane, indurated, slickensided, grading into underlying unit.
141.94 - 144.94	<u>Carbonaceous Mudstone</u> : Dark grey, black, hard, blocky to sub-fissile in places, indurated, micaceous in part, abundant plant impressions along bedding plane, partly slickensided.
144.94 - 146.34	<u>Mudstone</u> : As above.
146.34 - 146.89	<u>Sandstone</u> : Tuffaceous, dark grey, fine-medium grained, well sorted and cemented, feldspathic matrix, lithic, micaceous, carbonaceous bands throughout, minor coal stringers.
146.89 - 147.38	<u>Coal</u> : Db, Bd; lamellae.
147.38 - 147.99	<u>Mudstone</u> : Dark grey, hard, blocky, indurated, plant impressions along bedding plane, carbonaceous, micaceous in part.
147.99 - 150.99	<u>Mudstone</u> : Light grey to grey, hard, silicified, blocky, indurated, bioturbated in part, slightly carbonaceous, plant impressions along bedding plane, slightly micaceous.
150.99 - 154.80	<u>Meta-Sediment</u> : Light grey, very hard, brittle, calcite veinlets, slightly micaceous, chloritized towards base of unit.
154.80 - 157.06	<u>Dolerite</u> : Dark grey, fine grained, glassy, chloritic along fracture zones, calcite veinlets.
157.06 T.D.	