

7442-7443 Coal: as above.

Microscopic

7419-7422 Coal: black, conchoidal fracture.

7422-7423 Shale and Siltstone: Shale mottled medium grey to black, micaceous with some medium mica flakes, and occasional micro fleck of coal. Siltstone (very minor) as occasional laminae or node, light grey, micaceous.

7423-7440 Siltstone: light grey, non calcareous, hard, with thin laminae and occasional thin bed 1/2" of shale, medium grey, silty.

7440-7442 Siltstone, Sandstone and Shale: Sandstone, light grey, very fine to silty, sub-angular to sub-rounded, fair sorting, non calcareous, cemented with clay material (15-20%).

7442-7443 Coal: black, conchoidal fracture.

Note: Missing part of core probably from bottom.

Macroscopic

Core No. 15: 7692-7717' Cut 25' Rec. 25'

Sandstone: with few dark grey shale laminae. Dip at 93-94 10°-15°. Most fairly flat.

Microscopic

7092-7093 Sandstone: white to light grey, very fine; sub-angular, fair sorting, numerous shale fragments (very fine); non-calcareous with low order porosity; poorly cemented.

7093-7097 Sandstone: mottled, light grey to light brown; fine to very fine; fair sorting, sub-angular; numerous shale fragments as above with numerous very thin shale laminae. Shale; brown-grey; sandstone has low order porosity, poorly cemented.

7097-7098 Sandstone: mottled, light grey to medium light grey; fine to very fine; fair sorting; sub-angular to sub-rounded with large mica flakes.

7098-7098.5 Sandstone: as above; cemented with clay material, tight; not permeable; shale flakes as above. Trace of low order porosity.

7098.5-7700 Sandstone: as above; slight impervious porosity.

7700-7701 Sandstone: as above; tight.

7701-7702 Sandstone: as above with trace of spotty porosity; mostly tight.

7702-7717 Sandy shale: streaked dark brown-grey to light grey; rock consists of brown-grey fissile fairly well compacted shale containing abundant discontinuous bands and lenses of light grey to white, fine grained, argillaceous and micaceous sandstone as above (to 1" thick).

Shale: micromicaceous and carbonaceous.

Core Analysis

Sample No.	Depth Feet	Permeability Millidarcys		Porosity %	Total Water % Pore
		Horizontal	Vertical		
4	7693	3.0		19.1	61
5	7694	.1		12.5	72
6	7695	2.5		17.3	71
7	7696	3.0		19.2	72
8	7697	2.2		18.6	69
9	7698	22.0		22.0	78
10	7701	33.0		22.3	80