

PD83 JC - 02

<u>From (m)</u>	<u>To (m)</u>	
0	2.0	Dolerite (road base)
2.0	9.5	Arenite, lithic, fine to medium grain size
9.5	10.3	Mudstone, carbonaceous, with several thin (<0.1m) coal seams
10.3	10.5	Mudstone, grey and carbonaceous
10.5	24.0	Arenite, lithic, medium grain size, carbonaceous debris to 11.5m
24.0	25.0	Mudstone, carbonaceous, pyritic
25.0	28.9	Arenite, lithic, fine to medium grain size, carbonaceous debris to 28.0
28.9	29.5	Coal and carbonaceous mudstone
29.5	33.0	Arenite, lithic, medium grain size
33.0	39.0	Mudstone, grey, minor carbonaceous section 33.5 - 33.7m
39.0	46.0	Arenite, lithic, medium grain size; oxidized ( SW ) from 42.0 - 45.8m
46.0	47.5	Coal
47.5	49.5	Mudstone, grey
49.5	50.0	Siltstone, transitional to very fine grained lithic arenite.
50.0	52.0	mudstone, grey and cream, minor plant fossils
52.0	54.0	Arenite, quartz, feldspathic and micaceous, with minor sub-lithic arenite; dark green coating on joint and bedding planes.
54.0	56.0	Arenite, lithic, medium/coarse grain size, with minor fine grained interbeds; green colour, similar to the coating seen 52.0 - 54.0

EOH

Comments

- (i) Base of oxidation  $\approx$  2.0m
- (ii) Water flows of  $\gt$  2000gph at 30m, 4000gph at 33m, and unmeasured flows at 42-45.8m, and 52-54m
- (iii) Contamination of samples was minimal.
- (iv) Coal seams intersected as follows:  
Major: 46.0 - 47.5m  
Medium: 28.9 - 29.5m