

REPORT TC14-01

THIESS COAL SYSTEM

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LAUNCESTON.

GEOLOGICAL LOG REPORT

ATP EL2080  
LAUNCESTON

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| STRAT<br>NAME | SEQ<br>NO. | SEAM<br>NAME | WORK<br>SECT | SAMPLE<br>NUMBER | DEPTH<br>(m) | THICK<br>(m) | ROCK TYPE        | GEOLOGICAL DESCRIPTION OF STRATA   |
|---------------|------------|--------------|--------------|------------------|--------------|--------------|------------------|--|
|               |            |              |              |                  | 0.50         | 0.50         | CLAY             | Bentonitic; medium to dark brown; firm; high plasticity (clay); gradational base;<br>Bands include: CLAY; medium to dark brown; stiff; high plasticity (clay). |
|               |            |              |              |                  | 2.50         | 2.00         | CLAY             | Mottled cream - yellow; stiff; high plasticity (clay); gradational base.   |
|               |            |              |              |                  | 3.20         | 0.70         | CLAY             | Mottled white - cream; very stiff; high plasticity (clay); gradational base.   |
|               |            |              |              |                  | 5.00         | 1.80         | CLAY             | Mottled white - cream; firm; high plasticity (clay); gradational base.   |
|               |            |              |              |                  | 7.85         | 2.85         | CLAY             | Silty; mottled cream - yellow; firm; high plasticity (clay).   |
|               |            |              |              |                  | 8.50         | 0.65         | LIGNITE          | Dark black - brown; firm; friable.   |
|               |            |              |              |                  | 9.05         | 0.55         | INFERIOR LIGNITE | Clayey; dark black - brown; firm; friable; occasional woody fragments.   |
|               |            |              |              |                  | 10.30        | 1.25         | LIGNITE          | Clayey; dark black - brown; firm; friable; common woody fragments.   |
|               |            |              |              |                  | 12.70        | 2.40         | CLAY             | Light grey - white; firm; high plasticity (clay).  |
|               |            |              |              |                  | 13.45        | 0.75         | INFERIOR LIGNITE | Peaty; woody textured; dark black - brown; firm; friable; fibrous.   |
|               |            |              |              |                  | 15.10        | 1.65         | LIGNEOUS CLAY    | Medium to dark brown; firm; low plasticity (arsenic).  |
|               |            |              |              |                  | 16.90        | 1.80         | CLAY             | Carbonaceous; light to medium brown - grey; firm; high plasticity (clay).  |
|               |            |              |              |                  | 17.90        | 1.00         | INFERIOR LIGNITE | Peaty; woody textured; medium to dark black - brown; firm; friable.  |
|               |            |              |              |                  | 21.70        | 3.80         | CLAY             | Carbonaceous; light to medium brown - grey; firm; high plasticity (clay).  |
|               |            |              |              |                  | 23.00        | 1.30         | CLAY             | Carbonaceous; silty; light to medium grey - brown; firm; high plasticity (clay).   |
|               |            |              |              |                  | 28.30        | 5.30         | CLAY             | Light to medium white; firm; high plasticity (clay).   |
|               |            |              |              |                  | 29.50        | 1.20         | SIDERITE         | Light to medium brown; low strength; brittle.  |

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