

## Artesian Bores

\* Groundwater level sub-artesian; ^ Inaccessible

## Carmichael Coal Mine - Groundwater Level Data - April/May 2025

## Sub-artesian Bores

| Bore ID                                                                                                                    | Formation          | Sample Date | Time  | Reference Level | May-25            |        |
|----------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|-------|-----------------|-------------------|--------|
|                                                                                                                            |                    |             |       | DTW             | Groundwater Level |        |
|                                                                                                                            |                    |             |       | m AHD           | m bRL             | m AHD  |
| m AHD = metres Australia Height Datum, m bRL = metres below Reference Level,<br>DTW = depth to water (manual measurement), |                    |             |       |                 |                   |        |
| C027P1                                                                                                                     | Alluvium           | 29/04/2025  | 15:40 | 227.62          | 5.33              | 222.29 |
| C029P1                                                                                                                     | Alluvium           | 21/05/2025  | 16:30 | 226.05          | 11.47             | 214.58 |
| C14027SP                                                                                                                   | Alluvium           | 21/05/2025  | 15:30 | 218.13          | 14.35             | 203.78 |
| C14028SP                                                                                                                   | Alluvium           | 24/05/2025  | 10:10 | 219.63          | 13.92             | 205.71 |
| C19001SP                                                                                                                   | Alluvium           | 21/05/2025  | 17:00 | 227.93          | 12.40             | 215.53 |
| C19019SP                                                                                                                   | Alluvium           | 20/05/2025  | 15:45 | 255.91          | 11.50             | 244.41 |
| C19021SP                                                                                                                   | Alluvium           | 2/05/2025   | 10:20 | 265.55          | -                 | Dry    |
| C19023SP                                                                                                                   | Alluvium           | 20/05/2025  | 16:50 | 225.91          | -                 | Dry    |
| HD03B ^                                                                                                                    | Alluvium           | No access   |       |                 |                   |        |
| C006P1                                                                                                                     | Bandanna Formation | 21/05/2025  | 9:25  | 234.11          | 35.19             | 198.92 |
| C007P2                                                                                                                     | Bandanna Formation | 23/05/2025  | 11:45 | 238.61          | 75.95             | 162.66 |
| C008P2 ^                                                                                                                   | Bandanna Formation | No access   |       |                 |                   |        |
| C011P1                                                                                                                     | Bandanna Formation | 28/04/2025  | 15:20 | 255.22          | 24.57             | 230.65 |
| C014P2                                                                                                                     | Bandanna Formation | 20/05/2025  | 13:40 | 256.90          | 47.95             | 208.95 |
| C016P2                                                                                                                     | Bandanna Formation | 30/04/2025  | 14:30 | 295.08          | 46.44             | 248.64 |
| C018P1                                                                                                                     | Bandanna Formation | 30/04/2025  | 13:00 | 281.89          | 36.96             | 244.93 |
| C018P2                                                                                                                     | Bandanna Formation | 30/04/2025  | 12:50 | 282.06          | 39.84             | 242.22 |
| C032P2                                                                                                                     | Bandanna Formation | 1/05/2025   | 12:30 | 256.92          | 25.07             | 231.85 |
| C035P2                                                                                                                     | Bandanna Formation | 1/05/2025   | 14:20 | 236.67          | 5.21              | 231.46 |
| C19018SP                                                                                                                   | Bandanna Formation | 22/05/2025  | 10:55 | 239.56          | 17.18             | 222.38 |
| C19027SP                                                                                                                   | Bandanna Formation | 20/05/2025  | 12:30 | 263.34          | 42.90             | 220.44 |
| C844SP                                                                                                                     | Bandanna Formation | 1/05/2025   | 14:20 | 236.46          | 6.82              | 229.64 |
| C847SP                                                                                                                     | Bandanna Formation | 1/05/2025   | 11:00 | 237.92          | 6.79              | 231.13 |
| C9839SPR                                                                                                                   | Bandanna Formation | 1/05/2025   | 16:20 | 229.59          | 3.29              | 226.30 |
| C14011SP                                                                                                                   | Clematis Sandstone | 1/05/2025   | 10:45 | 312.44          | 69.64             | 242.80 |
| C14012SP                                                                                                                   | Clematis Sandstone | 20/05/2025  | 9:10  | 287.06          | 44.35             | 242.71 |
| C14013SP                                                                                                                   | Clematis Sandstone | 20/05/2025  | 9:50  | 287.26          | 44.74             | 242.52 |
| C14021SP                                                                                                                   | Clematis Sandstone | 20/05/2025  | 9:30  | 278.59          | 32.55             | 246.04 |
| C14033SP                                                                                                                   | Clematis Sandstone | 24/05/2025  | 08:50 | 297.35          | 46.65             | 250.70 |
| C18002SP                                                                                                                   | Clematis Sandstone | 22/05/2025  | 11:15 | 249.28          | 5.24              | 244.04 |
| C19002SP                                                                                                                   | Clematis Sandstone | 20/05/2025  | 11:42 | 306.27          | 57.35             | 248.92 |

## Carmichael Coal Mine - Groundwater Level Data - April/May 2025

## Sub-artesian Bores

| Bore ID                                                                                                                 | Formation                                              | Sample Date         | Time  | Reference Level | May-25 |                   |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------|-------|-----------------|--------|-------------------|
|                                                                                                                         |                                                        |                     |       |                 | DTW    | Groundwater Level |
|                                                                                                                         |                                                        |                     |       | mAHD            | m bRL  | mAHD              |
| m AHD = metres Australia Height Datum, m bRL = metres below Reference Level, DTW = depth to water (manual measurement), |                                                        |                     |       |                 |        |                   |
| C19010SP                                                                                                                | Clematis Sandstone                                     | 23/05/2025          | 16:00 | 239.70          | 0.70   | 239.00            |
| HD02                                                                                                                    | Clematis Sandstone                                     | 22/05/2025          | 17:05 | 237.42          | 2.55   | 234.87            |
| C006P3R                                                                                                                 | Colinlea Sandstone                                     | 21/05/2025          | 10:00 | 234.36          | 66.44  | 167.92            |
| C011P3                                                                                                                  | Colinlea Sandstone                                     | 28/04/2025          | 15:30 | 255.08          | 27.88  | 227.20            |
| C018P3                                                                                                                  | Colinlea Sandstone                                     | 30/04/2025          | 13:20 | 281.98          | 39.78  | 242.20            |
| C024P3                                                                                                                  | Colinlea Sandstone                                     | 23/05/2025          | 16:15 | 259.16          | 30.20  | 228.96            |
| C180112SP                                                                                                               | Colinlea Sandstone                                     | 24/05/2025          | 13:15 | 227.17          | 48.07  | 179.10            |
| C19003SP                                                                                                                | Colinlea Sandstone                                     | 1/05/2025           | 10:10 | 231.36          | 0.22   | 231.14            |
| C19004SP                                                                                                                | Colinlea Sandstone                                     | 1/05/2025           | 09:50 | 239.36          | 7.76   | 231.60            |
| C19026SP                                                                                                                | Colinlea Sandstone                                     | 24/05/2025          | 12:35 | 239.28          | 65.44  | 173.84            |
| C19029SP                                                                                                                | Colinlea Sandstone                                     | 24/05/2025          | 12:45 | 225.45          | 33.36  | 192.09            |
| C827SP                                                                                                                  | Colinlea Sandstone                                     | 24/05/2025          | 13:30 | 232.65          | 70.78  | 161.87            |
| C840SP                                                                                                                  | Colinlea Sandstone                                     | 1/05/2025           | 16:25 | 229.85          | 3.95   | 225.90            |
| C848SP                                                                                                                  | Colinlea Sandstone                                     | 1/05/2025           | 11:30 | 237.84          | 7.36   | 230.48            |
| C975SP                                                                                                                  | Colinlea Sandstone                                     | 30/04/2025          | 11:50 | 267.81          | 26.86  | 240.95            |
| C9849SPR                                                                                                                | Colinlea Sandstone                                     | 1/05/2025           | 11:10 | 237.69          | 7.32   | 230.37            |
| C14024SP ^                                                                                                              | Composite Bore (Clematis SS <sup>t</sup> / Dunda Beds) | Maintenance planned |       |                 |        |                   |
| Mellaluka Spring ^                                                                                                      | Composite                                              | No access           |       |                 |        |                   |
| C022P1                                                                                                                  | Dunda Beds                                             | 30/04/2025          | 16:50 | 274.15          | 27.66  | 246.49            |
| C027P2                                                                                                                  | Dunda Beds                                             | 29/04/2025          | 15:15 | 228.38          | 1.37   | 227.01            |
| C14023SP                                                                                                                | Dunda Beds                                             | 24/05/2025          | 9:00  | 278.68          | 31.50  | 247.18            |
| C180117SP                                                                                                               | Dunda Beds                                             | 21/05/2025          | 15:25 | 280.67          | 30.07  | 250.60            |
| C19007SP                                                                                                                | Dunda Beds                                             | 20/05/2025          | 13:35 | 310.94          | 67.15  | 243.79            |
| C012P1                                                                                                                  | Joe Joe Group                                          | 28/04/2025          | 14:00 | 247.94          | 26.74  | 221.20            |
| C012P2                                                                                                                  | Joe Joe Group                                          | 28/04/2025          | 14:05 | 247.87          | 26.59  | 221.28            |
| C14002SP                                                                                                                | Joe Joe Group                                          | 24/05/2025          | 9:05  | 226.93          | 8.31   | 218.62            |
| C14003SP                                                                                                                | Joe Joe Group                                          | 20/05/2025          | 17:50 | 218.98          | 8.52   | 210.46            |
| C14004SP                                                                                                                | Joe Joe Group                                          | 20/05/2025          | 17:55 | 218.92          | 9.15   | 209.77            |
| C914001SPR                                                                                                              | Joe Joe Group                                          | 24/05/2025          | 8:30  | 227.25          | 9.07   | 218.18            |
| C14020SP                                                                                                                | Moolayember                                            | 20/05/2025          | 10:00 | 297.37          | 44.95  | 252.42            |
| C18003SP                                                                                                                | Moolayember                                            | 22/05/2025          | 10:50 | 249.08          | 12.53  | 236.55            |

### Sub-artesian Bores

**Note: ^ Inaccessible**

**Carmichael Coal Mine - Groundwater Level Data - April/May 2025**  
VWPs

| VWP ID                                 | Wire number | Formation           | Sample date            | Ground surface level | Depth below ground | May-2025                  |                      |
|----------------------------------------|-------------|---------------------|------------------------|----------------------|--------------------|---------------------------|----------------------|
|                                        |             |                     |                        |                      |                    | Equivalent metres of head | Relative water level |
|                                        |             |                     |                        | mAHD                 | m                  | m bRL                     | mAHD                 |
| m AHD = metres Australia Height Datum. |             |                     |                        |                      |                    |                           |                      |
| C056VWP                                | VWP3        | Rewan               | 30/04/2025             | 283.86               | 240                | 195.39                    | 239.25               |
|                                        | VWP2        | AB Seam             |                        |                      | 312                | 252.54                    | 224.40               |
|                                        | VWP1        | CD Sandstone        |                        |                      | 408                | 290.01                    | 165.87               |
| C555VWP                                | VWP2        | Rewan               | 29/04/2025             | 241.15               | 260.5              | 213.53                    | 194.18               |
|                                        | VWP1        | AB Seam             |                        |                      | 346                | 332.71                    | 227.86               |
| C558VWP                                | VWP3        | AB Seam             | No access              | 250.05               | 73                 |                           |                      |
|                                        | VWP2        | C Seam Interburden  |                        |                      | 120                |                           |                      |
|                                        | VWP1        | D Seam              |                        |                      | 178                |                           |                      |
| C842VWP                                | VWP3        | Rewan               | 1/05/2025              | 238.89               | 130                | 105.66                    | 214.55               |
|                                        | VWP2        | AB Seam             |                        |                      | 177.5              | 157.71                    | 219.10               |
|                                        | VWP1        | C Seam Interburden  |                        |                      | 235                | 215.77                    | 219.66               |
| C851VWP                                | VWP3        | Rewan               | 1/05/2025              | 244.67               | 103.7              | 87.81                     | 228.78               |
|                                        | VWP2        | AB Seam             |                        |                      | 145.7              | 124.23                    | 223.20               |
|                                        | VWP1        | CD Sandstone        |                        |                      | 209.7              | 190.90                    | 225.87               |
| C966VWP                                | VWP4        | Rewan               | 30/04/2025             | 288.7                | 258                | 222.99                    | 253.69               |
|                                        | VWP3        | Rewan               |                        |                      | 302.5              | 227.27                    | 213.47               |
|                                        | VWP2        | AB Seam             |                        |                      | 348.5              | 190.53                    | 130.73               |
|                                        | VWP1        | AB Seam Interburden |                        |                      | 355                | 183.15                    | 116.85               |
| C968VWP                                | VWP5        | AB Seam             | 30/04/2025             | 279.18               | 244                | 158.82                    | 194.00               |
|                                        | VWP4        | AB Interburden      |                        |                      | 258                | 178.69                    | 199.87               |
|                                        | VWP3        | C Seam              |                        |                      | 302.5              | 253.02                    | 177.20               |
|                                        | VWP2        | D Seam              |                        |                      | 348.5              | 332.72                    | 263.40               |
|                                        | VWP1        | D Seam Interburden  |                        |                      | 355                | 358.7                     | 282.90               |
| C9553VWP                               | VWP3        | Rewan               | 30/04/2025             | 294.56               | 265.43             | 202.44                    | 231.57               |
|                                        | VWP2        | AB Seam             |                        |                      | 348.43             | 314.32                    | 260.45               |
|                                        | VWP1        | D Seam              |                        |                      | 467.43             | 403.46                    | 230.59               |
| C9556VWP                               | VWP3        | Rewan               | 21/05/2025             | 260.4                | 216                | 173.82                    | 218.22               |
|                                        | VWP1        | D Seam              |                        |                      | 410                | 396.78                    | 247.18               |
| V9836VWP                               | VWP3        | Rewan               | 1/05/2025              | 236.8                | 130                | 112.46                    | 219.26               |
|                                        | VWP1        | CD Sandstone        |                        |                      | 296                | 276.64                    | 217.44               |
| C14200VWP                              | VWP3        | Rewan               | No access              | 247.08               | 101                |                           |                      |
|                                        | VWP2        | Rewan               |                        |                      | 199                |                           |                      |
|                                        | VWP1        | AB Seam             |                        |                      | 224                |                           |                      |
| C14203VWP                              | VWP2        | Rewan               | 1/05/2025              | 230.55               | 77                 | 114.80                    | 268.35               |
|                                        | VWP1        | CD Sandstone        |                        |                      | 247                | 239.25                    | 222.80               |
| C14206VWP                              | VWP2        | Rewan               | Unit under maintenance | 277.15               | 355                |                           |                      |
|                                        | VWP1        | AB Seam             |                        |                      | 464                |                           |                      |
| C14207VWP                              | VWP2        | Rewan               | 20/05/2025             | 305.17               | 400                | 339.87                    | 245.04               |
|                                        | VWP1        | AB Seam             |                        |                      | 504                | 411.70                    | 212.87               |
| C19842CVWP                             | VWP1        | Rewan               | 22/05/2025             | 239.771              | 313.5              | 303.39                    | 229.66               |
| C19031SPVWP                            | VWP1        | Colinlea Sandstone  | Unit under maintenance | 238.919              | 601.4              |                           |                      |