

**Carmichael Coal Mine - Groundwater Level Data - October 2025**

**Artesian Bores**

Bore ID	Formation	Sample Date	Time	Reference Level	Oct-25		
					Digital pressure	Groundwater level	
				mAHD	kPa	m (converted)	mAHD
<b>Artesian Bores (6.9 kPa = 0.7 m head). m AHD = metres Australia Height Datum</b>							
C034P1	Bandanna Formation	9/10/2025	10:00	228.24	8.90	0.91	229.15
C832SP	Bandanna Formation	10/10/2025	11:35	224.85		0.37	224.48
C18001SP	Clematis Sandstone	10/10/2025	17:20	247.35	33.68	3.43	250.78
C19014SP	Clematis Sandstone	7/10/2025	09:40	240.13	23.62	2.41	242.54
HD03A	Clematis Sandstone	7/10/2025	10:35	230.16	17.71	1.81	231.97
C034P3	Colinlea Sandstone	9/10/2025	18:10	228.26	9.60	0.98	229.24
C14005SP	Composite Bore (Tertiary / Joe Joe)	9/10/2025	9:10	219.61	26.27	2.68	222.29
C14029SP	Composite Bore (Tertiary / Joe Joe)	10/10/2025	8:45	218.17	85.44	8.71	226.88
C14031SP	Composite Bore (Tertiary / Joe Joe)	8/10/2025	10:35	222.02	123.08	12.55	234.57
C180120SP	Composite Bore (Tertiary / Joe Joe)	8/10/2025	14:45	223.60	150.30	15.33	238.93
C180122SP	Composite Bore (Tertiary / Joe Joe)	8/10/2025	15:50	224.14	87.55	8.93	233.07
C19011SP	Dunda Beds	11/10/2025	13:50	238.87	44.04	4.49	243.36
C19015SP	Dunda Beds	7/10/2025	09:30	240.37	37.68	3.84	244.21
C14006SP	Joe Joe Group	10/10/2025	10:45	219.68	28.53	2.91	222.59
C14008SP	Joe Joe Group	10/10/2025	9:20	220.66	35.60	3.63	224.29
C14015SP	Joe Joe Group	8/10/2025	15:15	229.30	68.09	6.94	236.24
C14016SP	Joe Joe Group	9/10/2025	16:00	222.72	83.62	8.53	231.25
C14017SP	Joe Joe Group	8/10/2025	13:50	230.43	144.40	14.72	245.15
C14032SP	Joe Joe Group	8/10/2025	10:30	222.44	136.13	13.88	236.32
C180119SP	Joe Joe Group	8/10/2025	16:10	224.33	101.70	10.37	234.70
C180123SP ^	Joe Joe Group	8/10/2025	14:30	227.85	0.00	0.00	227.85
C914030SPR	Joe Joe Group	10/10/2025	9:30	218.06	88.08	8.98	227.04
C9180124SPR	Joe Joe Group	8/10/2025	14:15	224.29	101.81	10.38	234.67
C9180125SPR	Joe Joe Group	8/10/2025	14:55	223.80	159.28	16.24	240.04
C919016SPR	Rewan Formation	11/10/2025	09:20	240.23	56.91	5.80	246.03
C9180121SPR	Tertiary	8/10/2025	14:30	227.75	69.15	7.05	234.80

Note: ^ Bore integrity is compromised i.e. leaking

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**Sub-artesian Bores**

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					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).						
C027P1	Alluvium	10/10/2025	16:00	227.62	5.42	222.20
C029P1	Alluvium	10/10/2025	15:30	226.05	11.40	214.65
C14027SP	Alluvium	12/10/2025	11:30	218.13	14.35	203.78
C14028SP	Alluvium	12/10/2025	10:20	219.63	13.93	205.70
C19001SP	Alluvium	11/10/2025	11:15	227.93	12.40	215.53
C19019SP	Alluvium	13/10/2025	08:30	255.91	13.97	241.94
C19021SP	Alluvium	13/10/2025	08:00	265.55	15.00	Dry
C19023SP	Alluvium	13/10/2025	7:36	225.91	15.00	Dry
HD03B	Alluvium	7/10/2025	10:00	230.16	3.86	226.30
C006P1	Bandanna Formation	11/10/2025	13:30	234.11	35.76	198.35
C007P2	Bandanna Formation	11/10/2025	15:30	238.61	73.89	164.72
C008P2	Bandanna Formation	11/10/2025	17:30	238.81	68.70	170.11
C011P1	Bandanna Formation	13/10/2025	10:20	255.22	25.16	230.06
C014P2	Bandanna Formation	15/10/2025	9:00	256.90	48.20	208.70
C016P2	Bandanna Formation	13/10/2025	13:40	295.08	46.55	248.53
C018P1	Bandanna Formation	13/10/2025	14:40	281.89	36.91	244.98
C018P2	Bandanna Formation	13/10/2025	14:20	282.06	39.86	242.20
C032P2	Bandanna Formation	14/10/2025	08:40	256.92	25.26	231.66
C035P2	Bandanna Formation	14/10/2025	10:00	236.67	5.40	231.27
C19018SP	Bandanna Formation	7/10/2025	8:25	239.56	17.32	222.24
C19027SP ^	Bandanna Formation	No access				
C844SP	Bandanna Formation	14/10/2025	10:20	236.46	7.00	229.46
C847SP	Bandanna Formation	9/10/2025	17:30	237.92	6.97	230.95
C9839SPR	Bandanna Formation	10/10/2025	13:40	229.59	3.37	226.22
C14011SP	Clematis Sandstone	6/10/2025	16:30	312.44	69.55	242.89
C14012SP	Clematis Sandstone	6/10/2025	15:48	287.06	44.30	242.76
C14013SP	Clematis Sandstone	6/10/2025	15:15	287.26	44.68	242.58
C14021SP	Clematis Sandstone	14/10/2025	14:00	278.59	32.46	246.13
C14033SP	Clematis Sandstone	14/10/2025	16:00	297.35	46.61	250.74

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**Sub-artesian Bores**

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					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).						
C18002SP	Clematis Sandstone	10/10/2025	16:00	249.28	5.36	243.92
C19002SP	Clematis Sandstone	13/10/2025	15:40	306.27	57.30	248.97
C19010SP ^	Clematis Sandstone	No access				
HD02	Clematis Sandstone	7/10/2025	14:30	237.42	2.83	234.59
C006P3R ^	Colinlea Sandstone	Manual measurement unable to be taken due to faulty equipment				
C011P3	Colinlea Sandstone	13/10/2025	10:00	255.08	27.90	227.18
C018P3	Colinlea Sandstone	13/10/2025	13:50	281.98	39.79	242.19
C024P3	Colinlea Sandstone	13/10/2025	10:50	259.16	30.20	228.96
C180112SP ^	Colinlea Sandstone	No access				
C19003SP	Colinlea Sandstone	9/10/2025	12:30	231.36	0.37	230.99
C19004SP	Colinlea Sandstone	9/10/2025	14:00	239.36	7.85	231.51
C19026SP	Colinlea Sandstone	11/10/2025	15:30	239.28	83.73	155.55
C19029SP	Colinlea Sandstone	11/10/2025	13:00	225.45	37.66	187.79
C827SP ^	Colinlea Sandstone	No access				
C833SP	Colinlea Sandstone	10/10/2025	12:10	224.61	2.22	222.39
C834SP	Colinlea Sandstone	10/10/2025	11:40	224.53	2.28	222.25
C840SP	Colinlea Sandstone	10/10/2025	13:45	229.85	4.06	225.79
C848SP	Colinlea Sandstone	9/10/2025	17:00	237.84	7.51	230.33
C975SP	Colinlea Sandstone	13/10/2025	11:30	267.81	26.88	240.93
C9849SPR	Colinlea Sandstone	9/10/2025	17:45	237.69	7.47	230.22
C14024SP ^	Composite Bore (Clematis SSt / Dunda Beds)	No access				
Mellaluka Spring	Composite	8/10/2025	11:55	224.40	0.90	223.50
C022P1	Dunda Beds	13/10/2025	17:00	274.15	27.61	246.54
C027P2	Dunda Beds	10/10/2025	16:20	228.38	1.43	226.95
C14023SP	Dunda Beds	14/10/2025	13:30	278.68	31.47	247.21
C180117SP	Dunda Beds	14/10/2025	11:40	280.67	30.05	250.62
C19007SP	Dunda Beds	6/10/2025	17:25	310.94	67.12	243.82
C012P1	Joe Joe Group	13/10/2025	09:30	247.94	26.71	221.23

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C012P2	Joe Joe Group	13/10/2025	09:00	247.87	26.53	221.34
C14002SP	Joe Joe Group	12/10/2025	08:00	226.93	8.35	218.58
C14003SP	Joe Joe Group	10/10/2025	18:00	218.98	8.60	210.38
C14004SP	Joe Joe Group	10/10/2025	18:15	218.92	9.16	209.76
C914001SPR	Joe Joe Group	12/10/2025	09:20	227.25	9.14	218.11
C14020SP	Moolayember	14/10/2025	16:40	297.37	44.95	252.42
C18003SP	Moolayember	10/10/2025	16:20	249.08	12.49	236.59
C008P1	Rewan Formation	11/10/2025	16:30	238.64	28.68	209.96
C035P1	Rewan Formation	14/10/2025	10:30	236.79	6.34	230.45
C19008SP	Rewan Formation	11/10/2025	9:00	311.07	65.62	245.45
C19009SP	Rewan Formation	11/10/2025	8:25	310.47	146.89	163.58
C19012SP ^	Rewan Formation	No access				
C19017SP	Rewan Formation	7/10/2025	8:20	239.94	55.38	184.56
C19028SP	Rewan Formation	9/10/2025	15:40	261.62	22.80	238.82
C555P1	Rewan Formation	11/10/2025	14:40	241.86	11.92	229.94
C556P1	Rewan Formation	14/10/2025	13:00	261.42	27.51	233.91
C919013SPR	Rewan Formation	11/10/2025	9:30	238.29	109.45	128.84
C9553P1R	Rewan Formation	13/10/2025	13:00	294.63	42.40	252.23
C9838SPR	Rewan Formation	10/10/2025	13:55	229.60	2.50	227.10
C18010SP	Spring Discharge Clematis SSt	7/10/2025	13:55	238.21	0.38	237.83
C18011SP	Spring Discharge Clematis SSt	7/10/2025	13:20	240.62	0.43	240.19
C18012SP	Spring Discharge Clematis SSt	11/10/2025	08:20	239.54	0.28	239.26
C18013SP	Spring Discharge Clematis SSt	11/10/2025	08:00	239.17	0.43	238.74
C18014SP	Spring Discharge Clematis SSt	7/10/2025	16:00	235.97	2.03	233.94
Joshua Spring	Spring Discharge Clematis SSt	7/10/2025	17:35	243.26	0.80	242.46
C025P2	Tertiary	11/10/2025	11:10	228.24	11.35	216.89
C029P2	Tertiary	10/10/2025	15:15	226.00	6.20	219.80
C558P1 ^	Tertiary	No access				
C9845SPR	Tertiary	14/10/2025	09:20	256.24	21.70	234.54

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C18004SP	Weathered Tertiary	12/10/2025	17:00	229.47	22.16	207.31
C18005SP	Weathered Tertiary	12/10/2025	15:40	221.66	9.47	212.19
C18006SP	Weathered Tertiary	12/10/2025	15:00	222.27	12.45	209.82
C18007SP ^	Weathered Tertiary	No access				
C18008SP ^	Weathered Tertiary	No access				
C18009SP	Weathered Tertiary	11/10/2025	17:45	226.75	17.61	209.14
C19020SP	Weathered Tertiary	13/10/2025	08:35	256.54	50.00	Dry
C19022SP	Weathered Tertiary	13/10/2025	07:45	225.92	18.62	207.30
Note: ^ Inaccessible						

**Carmichael Coal Mine - Groundwater Level Data - October 2025**  
**VWPs**

VWP ID	Wire number	Formation	Sample date	Ground surface level	Depth below ground	Oct-2025	
						Equivalent metres of head	Relative water level
						m AHD	m
mAHD = metres Australia Height Datum.							
C056VWP	VWP3	Rewan	13/10/2025	283.86	240	195.30	239.16
	VWP2	AB Seam			312	252.39	224.25
	VWP1	CD Sandstone			408	290.86	166.72
C555VWP	VWP2	Rewan	11/10/2025	241.15	260.5	211.39	192.04
	VWP1	AB Seam			346	332.00	227.15
C558VWP	VWP3	AB Seam	No access	250.05	73		
	VWP2	C Seam Interburden			120		
	VWP1	D Seam			178		
C842VWP	VWP3	Rewan	No access	238.89	130		
	VWP2	AB Seam			177.5		
	VWP1	C Seam Interburden			235		
C851VWP	VWP3	Rewan	9/10/2025	244.67	103.7	87.69	228.66
	VWP2	AB Seam			145.7	124.11	223.08
	VWP1	CD Sandstone			209.7	190.87	225.84
C966VWP	VWP4	Rewan	13/10/2025	288.7	258	222.89	253.59
	VWP3	Rewan			302.5	227.15	213.35
	VWP2	AB Seam			348.5	190.40	130.60
	VWP1	AB Seam Interburden			355	182.99	116.69
C968VWP	VWP5	AB Seam	13/10/2025	279.18	244	158.76	193.94
	VWP4	AB Interburden			258	178.74	199.92
	VWP3	C Seam			302.5	252.88	177.06
	VWP2	D Seam			348.5	332.52	263.20
	VWP1	D Seam Interburden			355	358.5	282.66
C9553VWP	VWP3	Rewan	13/10/2025	294.56	265.43	201.93	231.06
	VWP2	AB Seam			348.43	314.61	260.74
	VWP1	D Seam			467.43	403.68	230.81
C9556VWP	VWP3	Rewan	14/10/2025	260.4	216	173.62	218.02
	VWP1	D Seam			410	396.94	247.34
C9836VWP	VWP3	Rewan	No access	236.8	130		
	VWP1	CD Sandstone			296		
C14200VWP	VWP3	Rewan	8/10/2025	247.08	101	101.75	247.83
	VWP2	Rewan			199	184.13	232.21
	VWP1	AB Seam			224	208.39	231.47
C14203VWP	VWP2	Rewan	14/10/2025	230.55	77	114.92	268.47
	VWP1	CD Sandstone			247	238.90	222.45
C14206VWP	VWP2	Rewan	14/10/2025	277.15	355	310.87	233.02
	VWP1	AB Seam			464	437.94	251.09
C14207VWP	VWP2	Rewan	13/10/2025	305.17	400	339.80	244.97
	VWP1	AB Seam			504	411.46	212.63
C19842CVWP	VWP1	Rewan	7/10/2025	239.771	313.5	303.23	229.50
C19031SPVWP	VWP1	Colinlea Sandstone	7/10/2025	238.919	601.4	575.25	212.77