

Carmichael Coal Mine - Groundwater Level Data - December 2025

Artesian Bores

Bore ID	Formation	Sample Date	Time	Reference Level	Dec-25		
					Digital pressure	Groundwater level	
				mAHD	kPa	m (converted)	mAHD
Artesian Bores (6.9 kPa = 0.7 m head). m AHD = metres Australia Height Datum							
C034P1	Bandanna Formation	5/12/2025	11:30	228.24	8.82	0.90	229.14
C18001SP	Clematis Sandstone	No Access					
C19014SP	Clematis Sandstone	8/12/2025	11:05	240.13	24.74	2.52	242.65
HD03A	Clematis Sandstone	8/12/2025	10:10	230.16	17.59	1.79	231.95
C034P3	Colinlea Sandstone	6/12/2025	8:10	228.26	9.28	0.95	229.21
C14005SP	Composite Bore (Tertiary / Joe Joe)	5/12/2025	12:55	219.61	26.58	2.71	222.32
C14029SP	Composite Bore (Tertiary / Joe Joe)	6/12/2025	8:35	218.17	85.23	8.69	226.86
C14031SP	Composite Bore (Tertiary / Joe Joe)	No Access					
C180120SP	Composite Bore (Tertiary / Joe Joe)	No Access					
C180122SP	Composite Bore (Tertiary / Joe Joe)	No Access					
C19011SP	Dunda Beds	7/12/2025	16:30	238.87	44.68	4.56	243.42
C19015SP	Dunda Beds	8/12/2025	10:55	240.37	38.10	3.89	244.25
C14006SP	Joe Joe Group	6/12/2025	10:20	219.68	29.12	2.97	222.65
C14008SP	Joe Joe Group	6/12/2025	9:15	220.66	37.01	3.77	224.43
C14015SP	Joe Joe Group	No Access					
C14016SP	Joe Joe Group	6/12/2025	10:57	222.72	83.07	8.47	231.19
C14017SP	Joe Joe Group	No Access					
C14032SP	Joe Joe Group	No Access					
C180119SP	Joe Joe Group	No Access					
C180123SP ^	Joe Joe Group	No Access					
C914030SPR	Joe Joe Group	6/12/2025	8:45	218.06	88.86	9.06	227.12
C9180124SPR	Joe Joe Group	No Access					
C9180125SPR	Joe Joe Group	No Access					
C919016SPR	Rewan Formation	8/12/2025	13:30	240.23	57.33	5.85	246.08
C9180121SPR	Tertiary	No Access					

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	8/12/2025	13:15	227.62	5.56	222.06
C029P1	Alluvium	6/12/2025	17:14	226.05	11.42	214.63
C14027SP	Alluvium	6/12/2025	10:00	218.13	14.34	203.79
C14028SP	Alluvium	9/12/2025	15:20	219.63	13.89	205.74
C19001SP	Alluvium	8/12/2025	15:15	227.93	12.38	215.55
C19019SP	Alluvium	5/12/2025	08:40	255.91	15.00	Dry
C19021SP	Alluvium	5/12/2025	12:00	265.55	15.00	Dry
C19023SP	Alluvium	7/12/2025	07:40	225.91	15.00	Dry
HD03B	Alluvium	8/12/2025	09:30	230.16	3.96	226.20
C006P1	Bandanna Formation	9/12/2025	9:10	234.11	36.14	197.97
C007P2	Bandanna Formation	9/12/2025	8:30	238.61	82.38	156.23
C008P2	Bandanna Formation	9/12/2025	14:20	238.81	72.67	166.14
C011P1	Bandanna Formation	7/12/2025	09:30	255.22	24.88	230.34
C014P2	Bandanna Formation	5/12/2025	16:00	256.90	48.16	208.74
C016P2	Bandanna Formation	7/12/2025	11:15	295.08	46.54	248.54
C018P1	Bandanna Formation	7/12/2025	13:00	281.89	36.90	244.99
C018P2	Bandanna Formation	7/12/2025	12:50	282.06	39.83	242.23
C032P2	Bandanna Formation	6/12/2025	14:47	256.92	25.28	231.64
C035P2	Bandanna Formation	6/12/2025	16:31	236.67	5.40	231.27
C19018SP	Bandanna Formation	8/12/2025	8:40	239.56	17.34	222.22
C19027SP ^	Bandanna Formation	No access				
C832SP *	Bandanna Formation	6/12/2025	11:40	224.85	0.98	223.87
C844SP	Bandanna Formation	6/12/2025	16:40	236.46	6.99	229.47
C847SP	Bandanna Formation	6/12/2025	13:33	237.92	6.99	230.93
C9839SPR	Bandanna Formation	6/12/2025	12:10	229.59	3.42	226.17
C14011SP	Clematis Sandstone	8/12/2025	16:20	312.44	69.54	242.90
C14012SP	Clematis Sandstone	7/12/2025	15:20	287.06	44.32	242.74
C14013SP	Clematis Sandstone	7/12/2025	14:23	287.26	44.63	242.63
C14021SP	Clematis Sandstone	5/12/2025	14:25	278.59	32.48	246.11

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m AHD = metres Australia Height Datum, m bRL = metres below Reference Level, DTW = depth to water (manual measurement).						
C14033SP	Clematis Sandstone	7/12/2025	14:40	297.35	46.60	250.75
C18002SP	Clematis Sandstone	8/12/2025	10:20	249.28	5.32	243.96
C19002SP	Clematis Sandstone	7/12/2025	8:10	306.27	57.33	248.94
C19010SP	Clematis Sandstone	6/12/2025	15:10	239.70	0.85	238.85
HD02	Clematis Sandstone	8/12/2025	13:55	237.42	2.77	234.65
C006P3R	Colinlea Sandstone	9/12/2025	9:15	234.36	77.10	157.26
C011P3	Colinlea Sandstone	7/12/2025	09:35	255.08	27.87	227.21
C018P3	Colinlea Sandstone	7/12/2025	12:24	281.98	39.77	242.21
C024P3	Colinlea Sandstone	7/12/2025	09:50	259.16	30.19	228.97
C180112SP	Colinlea Sandstone	9/12/2025	12:50	227.17	52.68	174.49
C19003SP	Colinlea Sandstone	6/12/2025	10:30	231.36	0.39	230.97
C19004SP	Colinlea Sandstone	6/12/2025	9:40	239.36	7.87	231.49
C19026SP	Colinlea Sandstone	9/12/2025	9:00	239.28	85.90	153.38
C19029SP	Colinlea Sandstone	9/12/2025	12:30	225.45	37.64	187.81
C827SP	Colinlea Sandstone	9/12/2025	9:20	232.65	80.65	152.00
C833SP *	Colinlea Sandstone	6/12/2025	11:35	224.61	2.75	221.86
C834SP *	Colinlea Sandstone	6/12/2025	11:30	224.53	2.51	222.02
C840SP	Colinlea Sandstone	6/12/2025	12:05	229.85	4.16	225.69
C848SP	Colinlea Sandstone	6/12/2025	13:22	237.84	7.56	230.28
C975SP	Colinlea Sandstone	7/12/2025	10:51	267.81	26.87	240.94
C9849SPR	Colinlea Sandstone	6/12/2025	12:32	237.69	7.50	230.19
C14024SP	Composite Bore (Clematis SSt / Dunda Beds)	5/12/2025	10:04	333.31	70.93	262.38
Mellaluka Spring ^	Composite	No access				
C022P1	Dunda Beds	7/12/2025	13:36	274.15	27.64	246.51
C027P2	Dunda Beds	8/12/2025	13:10	228.38	1.43	226.95
C14023SP	Dunda Beds	5/12/2025	13:50	278.68	31.54	247.14
C180117SP	Dunda Beds	5/12/2025	16:20	280.67	30.09	250.58
C19007SP	Dunda Beds	7/12/2025	16:00	310.94	67.11	243.83

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C012P1	Joe Joe Group	7/12/2025	08:40	247.94	26.68	221.26
C012P2	Joe Joe Group	7/12/2025	09:00	247.87	26.52	221.35
C14002SP	Joe Joe Group	9/12/2025	14:50	226.93	8.34	218.59
C14003SP	Joe Joe Group	7/12/2025	16:31	218.98	8.54	210.44
C14004SP	Joe Joe Group	7/12/2025	16:45	218.92	9.17	209.75
C914001SPR	Joe Joe Group	9/12/2025	14:20	227.25	9.12	218.13
C14020SP	Moolayember	7/12/2025	14:40	297.37	44.94	252.43
C18003SP	Moolayember	8/12/2025	09:59	249.08	12.52	236.56
C008P1	Rewan Formation	9/12/2025	14:30	238.64	28.74	209.90
C035P1	Rewan Formation	6/12/2025	16:00	236.79	6.36	230.43
C19008SP	Rewan Formation	6/12/2025	17:25	311.07	65.63	245.44
C19009SP	Rewan Formation	6/12/2025	17:05	310.47	143.84	166.63
C19012SP	Rewan Formation	6/12/2025	14:55	239.42	0.32	239.10
C19017SP	Rewan Formation	8/12/2025	8:35	239.94	53.37	186.57
C19028SP	Rewan Formation	6/12/2025	08:10	261.62	22.84	238.78
C555P1	Rewan Formation	8/12/2025	17:30	241.86	11.92	229.94
C556P1	Rewan Formation	6/12/2025	12:15	261.42	27.55	233.87
C919013SPR	Rewan Formation	6/12/2025	14:40	238.29	107.06	131.23
C9553P1R	Rewan Formation	7/12/2025	12:30	294.63	42.40	252.23
C9838SPR	Rewan Formation	6/12/2025	12:15	229.60	2.54	227.06
C18010SP	Spring Discharge Clematis SSt	8/12/2025	12:45	238.21	0.38	237.83
C18011SP	Spring Discharge Clematis SSt	8/12/2025	12:00	240.62	0.47	240.15
C18012SP	Spring Discharge Clematis SSt	8/12/2025	08:50	239.54	0.26	239.28
C18013SP	Spring Discharge Clematis SSt	8/12/2025	08:40	239.17	0.42	238.75
C18014SP	Spring Discharge Clematis SSt	8/12/2025	14:55	235.97	0.46	235.51
Joshua Spring ^	Spring Discharge Clematis SSt	No access				
C025P2	Tertiary	8/12/2025	15:30	228.24	11.39	216.85
C029P2	Tertiary	8/12/2025	14:30	226.00	6.19	219.81
C558P1 ^	Tertiary	No access				

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C9845SPR	Tertiary	6/12/2025	15:15	256.24	21.68	234.56
C18004SP	Weathered Tertiary	9/12/2025	16:55	229.47	22.10	207.37
C18005SP	Weathered Tertiary	9/12/2025	16:15	221.66	9.56	212.10
C18006SP	Weathered Tertiary	9/12/2025	15:50	222.27	12.41	209.86
C18007SP ^	Weathered Tertiary	No access				
C18008SP	Weathered Tertiary	8/12/2025	17:45	236.47	29.00	Dry
C18009SP	Weathered Tertiary	7/12/2025	15:44	226.75	17.59	209.16
C19020SP	Weathered Tertiary	5/12/2025	08:45	256.54	50.00	Dry
C19022SP	Weathered Tertiary	7/12/2025	07:45	225.92	18.61	207.31
Note: ^ Inaccessible; * Has historically been artesian						

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VWPs

VWP ID	Wire number	Formation	Sample date	Ground surface level	Depth below ground	Dec-2025	
						Equivalent metres of head	Relative water level
						m AHD	m
mAHD = metres Australia Height Datum.							
C056VWP	VWP3	Rewan	5/12/2025	283.86	240	195.27	239.13
	VWP2	AB Seam			312	252.38	224.24
	VWP1	CD Sandstone			408	291.15	167.01
C555VWP	VWP2	Rewan	8/12/2025	241.15	260.5	210.77	191.42
	VWP1	AB Seam			346	331.74	226.89
C558VWP	VWP3	AB Seam	No access	250.05	73		
	VWP2	C Seam Interburden			120		
	VWP1	D Seam			178		
C842VWP	VWP3	Rewan	5/12/2025	238.89	130	105.57	214.46
	VWP2	AB Seam			177.5	157.65	219.04
	VWP1	C Seam Interburden			235	215.55	219.44
C851VWP	VWP3	Rewan	6/12/2025	244.67	103.7	87.37	228.34
	VWP2	AB Seam			145.7	123.98	222.95
	VWP1	CD Sandstone			209.7	190.81	225.78
C966VWP	VWP4	Rewan	5/12/2025	288.7	258	222.81	253.51
	VWP3	Rewan			302.5	227.15	213.35
	VWP2	AB Seam			348.5	190.39	130.59
	VWP1	AB Seam Interburden			355	182.98	116.68
C968VWP	VWP5	AB Seam	7/12/2025	279.18	244	158.80	193.98
	VWP4	AB Interburden			258	178.77	199.95
	VWP3	C Seam			302.5	252.88	177.06
	VWP2	D Seam			348.5	332.51	263.19
	VWP1	D Seam Interburden			355	358.5	282.66
C9553VWP	VWP3	Rewan	7/12/2025	294.56	265.43	201.75	230.88
	VWP2	AB Seam			348.43	314.72	260.85
	VWP1	D Seam			467.43	403.78	230.91
C9556VWP	VWP3	Rewan	6/12/2025	260.4	216	173.62	218.02
	VWP1	D Seam			410	397.01	247.41
C9836VWP	VWP3	Rewan	6/12/2025	236.8	130	112.37	219.17
	VWP1	CD Sandstone			296	276.43	217.23
C14200VWP	VWP3	Rewan	No access	247.08	101		
	VWP2	Rewan			199		
	VWP1	AB Seam			224		
C14203VWP	VWP2	Rewan	9/12/2025	230.55	77	114.41	267.96
	VWP1	CD Sandstone			247	238.63	222.18
C14206VWP	VWP2	Rewan	5/12/2025	277.15	355	310.75	232.90
	VWP1	AB Seam			464	438.94	252.09
C14207VWP	VWP2	Rewan	7/12/2025	305.17	400	339.83	245.00
	VWP1	AB Seam			504	411.58	212.75
C19842CVWP	VWP1	Rewan	8/12/2025	239.771	313.5	303.16	229.43
C19031SPVWP	VWP1	Colinlea Sandstone	8/12/2025	238.919	601.4	575.08	212.60