

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

**Artesian Bores**

Bore ID	Formation	Sample Date	Time	Reference Level	Sep-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	2/09/2025	9:35	228.24	9.29	0.95	229.19
C832SP	Bandanna Formation	4/09/2025	15:00	224.85	0.25	0.03	224.88
C18001SP	Clematis Sandstone	3/09/2025	8:25	247.35	33.84	3.45	250.80
C19014SP	Clematis Sandstone	3/09/2025	16:55	240.13	23.94	2.44	242.57
HD03A	Clematis Sandstone	3/09/2025	08:10	230.16	19.43	1.98	232.14
C034P3	Colinlea Sandstone	2/09/2025	13:30	228.26	10.02	1.02	229.29
C833SP*	Colinlea Sandstone	4/09/2025	15:05	224.61	2.03	2.03	222.58
C834SP*	Colinlea Sandstone	4/09/2025	15:05	224.53	2.08	2.08	222.45
C14005SP	Composite Bore (Tertiary / Joe Joe)	2/09/2025	8:27	219.61	26.83	2.74	222.34
C14029SP	Composite Bore (Tertiary / Joe Joe)	2/09/2025	14:00	218.17	86.25	8.80	226.97
C14031SP	Composite Bore (Tertiary / Joe Joe)	Manual pressure gauge measurement unable to be taken					
C180120SP	Composite Bore (Tertiary / Joe Joe)	2/09/2025	15:25	223.60	154.87	15.79	239.39
C180122SP	Composite Bore (Tertiary / Joe Joe)	2/09/2025	17:32	224.14	83.84	8.55	232.69
C19011SP	Dunda Beds	5/09/2025	13:40	238.87	43.92	4.48	243.35
C19015SP	Dunda Beds	3/09/2025	16:53	240.37	37.91	3.87	244.23
C14006SP	Joe Joe Group	2/09/2025	15:30	219.68	29.48	3.01	222.69
C14008SP	Joe Joe Group	Manual pressure gauge measurement unable to be taken					
C14015SP	Joe Joe Group	2/09/2025	16:04	229.30	69.01	7.04	236.34
C14016SP	Joe Joe Group	4/09/2025	9:40	222.72	84.22	8.59	231.31
C14017SP	Joe Joe Group	2/09/2025	14:30	230.43	145.76	14.86	245.29
C14032SP	Joe Joe Group	Manual pressure gauge measurement unable to be taken					
C180119SP	Joe Joe Group	2/09/2025	17:40	224.33	105.26	10.73	235.06
C180123SP	Joe Joe Group	Requires maintenance					
C914030SPR	Joe Joe Group	2/09/2025	13:50	218.06	88.86	9.06	227.12
C9180124SPR	Joe Joe Group	2/09/2025	17:35	224.29	104.03	10.61	234.90
C9180125SPR	Joe Joe Group	2/09/2025	15:38	223.80	160.50	16.37	240.17
C919016SPR	Rewan Formation	3/09/2025	17:05	240.23	56.45	5.76	245.99
C9180121SPR	Tertiary	2/09/2025	15:01	227.75	71.98	7.34	235.08

\* Groundwater level sub-artesian with measurement in m instead of kPa; ^ Inaccessible

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**Sub-artesian Bores**

Bore ID	Formation	Sample Date	Time	Reference Level	Sep-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).						
C027P1	Alluvium	2/09/2025	17:30	227.62	5.31	222.31
C029P1	Alluvium	2/09/2025	16:00	226.05	11.41	214.64
C14027SP	Alluvium	2/09/2025	14:45	218.13	14.33	203.80
C14028SP	Alluvium	5/09/2025	10:30	219.63	13.93	205.70
C19001SP	Alluvium	2/09/2025	16:40	227.93	12.40	215.53
C19019SP	Alluvium	4/09/2025	09:00	255.91	13.28	242.63
C19021SP	Alluvium	4/09/2025	12:44	265.55		Dry
C19023SP	Alluvium	4/09/2025	08:10	225.91		Dry
HD03B	Alluvium	3/09/2025	08:30	230.16	3.72	226.44
C006P1	Bandanna Formation	4/09/2025	16:45	234.11	35.59	198.52
C007P2	Bandanna Formation	4/09/2025	17:30	238.61	73.89	164.72
C008P2	Bandanna Formation	5/09/2025	12:50	238.81	64.72	174.09
C011P1	Bandanna Formation	4/09/2025	10:50	255.22	24.94	230.28
C014P2	Bandanna Formation	3/09/2025	17:00	256.90	48.13	208.77
C016P2	Bandanna Formation	3/09/2025	14:30	295.08	46.54	248.54
C018P1	Bandanna Formation	3/09/2025	15:20	281.89	36.95	244.94
C018P2	Bandanna Formation	3/09/2025	15:30	282.06	39.88	242.18
C032P2	Bandanna Formation	2/09/2025	11:00	256.92	25.21	231.71
C035P2	Bandanna Formation	2/09/2025	12:00	236.67	5.34	231.33
C19018SP	Bandanna Formation	3/09/2025	16:05	239.56	17.28	222.28
C19027SP^	Bandanna Formation	No access				
C844SP	Bandanna Formation	2/09/2025	12:20	236.46	6.95	229.51
C847SP	Bandanna Formation	2/09/2025	09:30	237.92	6.94	230.98
C9839SPR	Bandanna Formation	4/09/2025	14:10	229.59	3.31	226.28
C14011SP	Clematis Sandstone	5/09/2025	9:10	312.44	69.72	242.72
C14012SP	Clematis Sandstone	3/09/2025	12:00	287.06	44.34	242.72
C14013SP	Clematis Sandstone	3/09/2025	11:30	287.26	44.72	242.54
C14021SP	Clematis Sandstone	4/09/2025	13:30	278.59	32.47	246.12
C14033SP	Clematis Sandstone	3/09/2025	12:40	297.35	46.64	250.71
C18002SP	Clematis Sandstone	3/09/2025	10:30	249.28	5.36	243.92
C19002SP	Clematis Sandstone	4/09/2025	14:00	306.27	57.32	248.95

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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).						
C19010SP	Clematis Sandstone	5/09/2025	12:32	239.70	0.78	238.92
HD02	Clematis Sandstone	3/09/2025	09:40	237.42	2.79	234.63
C006P3R	Colinlea Sandstone	4/09/2025	16:40	234.36	73.52	160.84
C011P3	Colinlea Sandstone	4/09/2025	10:30	255.08	27.93	227.15
C018P3	Colinlea Sandstone	3/09/2025	14:45	281.98	39.80	242.18
C024P3	Colinlea Sandstone	4/09/2025	11:30	259.16	30.22	228.94
C180112SP	Colinlea Sandstone	4/09/2025	15:55	227.17	50.37	176.80
C19003SP	Colinlea Sandstone	2/09/2025	09:15	231.36	0.34	231.02
C19004SP	Colinlea Sandstone	2/09/2025	09:00	239.36	7.81	231.55
C19026SP	Colinlea Sandstone	4/09/2025	17:05	239.28	77.58	161.70
C19029SP	Colinlea Sandstone	4/09/2025	15:40	225.45	36.55	188.90
C827SP	Colinlea Sandstone	4/09/2025	16:10	232.65	74.73	157.92
C840SP	Colinlea Sandstone	4/09/2025	14:15	229.85	3.98	225.87
C848SP	Colinlea Sandstone	2/09/2025	10:00	237.84	7.50	230.34
C975SP	Colinlea Sandstone	4/09/2025	12:00	267.81	26.90	240.91
C9849SPR	Colinlea Sandstone	2/09/2025	10:20	237.69	7.44	230.25
C14024SP^	Composite Bore (Clematis SSt / Dunda Beds)	No access				
Mellaluka Spring	Composite	2/09/2025	13:49	224.40	0.90	223.50
C022P1	Dunda Beds	3/09/2025	16:00	274.15	27.63	246.52
C027P2	Dunda Beds	2/09/2025	17:15	228.38	1.38	227.00
C14023SP	Dunda Beds	4/09/2025	13:05	278.68	31.48	247.20
C180117SP	Dunda Beds	4/09/2025	11:25	280.67	30.06	250.61
C19007SP	Dunda Beds	5/09/2025	11:55	310.94	67.11	243.83
C012P1	Joe Joe Group	4/09/2025	09:30	247.94	26.74	221.20
C012P2	Joe Joe Group	4/09/2025	10:00	247.87	26.57	221.30
C14002SP	Joe Joe Group	5/09/2025	09:40	226.93	8.35	218.58
C14003SP	Joe Joe Group	4/09/2025	18:00	218.98	8.53	210.45
C14004SP	Joe Joe Group	4/09/2025	18:00	218.92	9.15	209.77
C914001SPR	Joe Joe Group	5/09/2025	09:00	227.25	9.12	218.13
C14020SP	Moolayember	3/09/2025	13:30	297.37	44.97	252.40

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Bore ID	Formation	Sample Date	Time	Reference Level	Sep-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).						
C18003SP	Moolayember	3/09/2025	10:50	249.08	12.56	236.52
C008P1	Rewan Formation	5/09/2025	13:00	238.64	28.65	209.99
C035P1	Rewan Formation	2/09/2025	12:30	236.79	6.29	230.50
C19008SP	Rewan Formation	5/09/2025	11:10	311.07	65.63	245.44
C19009SP	Rewan Formation	5/09/2025	10:10	310.47	148.60	161.87
C19012SP	Rewan Formation	5/09/2025	13:23	239.42	0.33	239.09
C19017SP	Rewan Formation	3/09/2025	16:00	239.94	56.47	183.47
C19028SP	Rewan Formation	2/09/2025	08:25	261.62	22.82	238.80
C555P1	Rewan Formation	5/09/2025	12:00	241.86	11.93	229.93
C556P1	Rewan Formation	4/09/2025	12:10	261.42	27.47	233.95
C919013SPR	Rewan Formation	5/09/2025	8:30	238.29	110.62	127.67
C9553P1R	Rewan Formation	3/09/2025	14:00	294.63	42.40	252.23
C9838SPR	Rewan Formation	4/09/2025	14:15	229.60	2.42	227.18
C18010SP	Spring Discharge Clematis SSt	3/09/2025	15:15	238.21	0.43	237.78
C18011SP	Spring Discharge Clematis SSt	3/09/2025	14:30	240.62	0.44	240.18
C18012SP	Spring Discharge Clematis SSt	3/09/2025	9:10	239.54	0.30	239.24
C18013SP	Spring Discharge Clematis SSt	3/09/2025	9:15	239.17	0.42	238.75
C18014SP	Spring Discharge Clematis SSt	3/09/2025	13:05	235.97	0.90	235.07
Joshua Spring	Spring Discharge Clematis SSt	3/09/2025	9:35	243.26	0.70	242.56
C025P2	Tertiary	2/09/2025	16:30	228.24	11.30	216.94
C029P2	Tertiary	2/09/2025	15:40	226.00	6.13	219.87
C558P1 ^	Tertiary	No access				
C9845SPR	Tertiary	2/09/2025	11:30	256.24	21.69	234.55
C18004SP	Weathered Tertiary	4/09/2025	14:50	229.47	22.13	207.34
C18005SP	Weathered Tertiary	4/09/2025	15:30	221.66	9.52	212.14
C18006SP	Weathered Tertiary	4/09/2025	16:10	222.27	12.30	209.97
C18007SP ^	Weathered Tertiary	No access				
C18008SP	Weathered Tertiary	5/09/2025	16:00	236.47		Dry
C18009SP	Weathered Tertiary	4/09/2025	17:30	226.75	17.61	209.14
C19020SP	Weathered Tertiary	4/09/2025	08:50	256.54		Dry
C19022SP	Weathered Tertiary	4/09/2025	08:20	225.92	18.62	207.30

Note: ^ Inaccessible

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

**VWPs**

VWP ID	Wire number	Formation	Sample date	Ground surface level	Depth below ground	Sep-2025	
				mAHD	m	Equivalent metres of head	Relative water level
						m bRL	mAHD
mAHD = metres Australia Height Datum.							
C056VWP	VWP3	Rewan	4/09/2025	283.86	240	195.33	239.19
	VWP2	AB Seam			312	252.46	224.32
	VWP1	CD Sandstone			408	290.71	166.57
C555VWP	VWP2	Rewan	5/09/2025	241.15	260.5	211.87	192.52
	VWP1	AB Seam			346	332.38	227.53
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	2/09/2025	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	4/09/2025	288.7	258	222.96	253.66
	VWP3	Rewan			302.5	227.21	213.41
	VWP2	AB Seam			348.5	190.48	130.68
	VWP1	AB Seam Interburden			355	183.07	116.77
C968VWP	VWP5	AB Seam	3/09/2025	279.18	244	158.76	193.94
	VWP4	AB Interburden			258	178.74	199.92
	VWP3	C Seam			302.5	252.92	177.10
	VWP2	D Seam			348.5	332.61	263.29
	VWP1	D Seam Interburden			355	358.6	282.78
C9553VWP	VWP3	Rewan	3/09/2025	294.56	265.43	202.05	231.18
	VWP2	AB Seam			348.43	314.61	260.74
	VWP1	D Seam			467.43	403.60	230.73
C9556VWP	VWP3	Rewan	4/09/2025	260.4	216	173.75	218.15
	VWP1	D Seam			410	396.93	247.33
V9836VWP	VWP3	Rewan	No access	236.8	130		
	VWP1	CD Sandstone			296		
C14200VWP	VWP3	Rewan	2/09/2025	247.08	101	101.30	247.38
	VWP2	Rewan			199	184.23	232.31
	VWP1	AB Seam			224	208.49	231.57
C14203VWP	VWP2	Rewan	5/09/2025	230.55	77	115.00	268.55
	VWP1	CD Sandstone			247	239.02	222.57
C14206VWP	VWP2	Rewan	4/09/2025	277.15	355	311.04	233.19
	VWP1	AB Seam			464	437.73	250.88
C14207VWP	VWP2	Rewan	4/09/2025	305.17	400	339.90	245.07
	VWP1	AB Seam			504	411.70	212.87
C19842CVWP	VWP1	Rewan	3/09/2025	239.771	313.5	303.30	229.57
C19031SPVWP	VWP1	Colinlea Sandstone	3/09/2025	238.919	601.4	575.32	212.84