

Carmichael Coal Mine- October 2021 Groundwater data

Bore ID	Formation	Sample Date	Time	Reference Level	Oct-21		
					Digital pressure	Groundwater level	
					kPa	m (converted)	m AHD
Artesian Bores (6.9 kPa = 0.7 m head). m AHD = metres Australia Height Datum							
C034P1	Bandanna Formation	22/10/2021	14:30	228.24	11.78	1.20	229.44
C832SP**	Bandanna Formation	21/10/2021	8:20	224.85	0.49	0.49	224.36
C18001SP	Clematis Sandstone	27/10/2021	11:53	247.35	31.65	3.23	250.58
C19014SP	Clematis Sandstone	26/10/2021	10:45	240.132	20.79	2.12	242.25
HD03A*	Clematis Sandstone			230.16		0.00	230.16
C034P3	Colinlea Sandstone	23/10/2021	9:36	228.264	12.27	1.25	229.52
C833SP**	Colinlea Sandstone	21/10/2021	9:22	224.61	3.79	3.79	220.82
C834SP**	Colinlea Sandstone	21/10/2021	8:45	224.53	2.4	2.40	222.13
C14005SP	Composite Bore (Terti	22/10/2021	12:48	219.607	27.95	2.85	222.46
C14029SP	Composite Bore (Terti	23/10/2021	9:15	218.17	88.55	9.03	227.20
C14031SP	Composite Bore (Terti	21/10/2021	15:02	222.02	123.06	12.55	234.57
C180120SP	Composite Bore (Terti	23/10/2021	12:18	223.60	150.13	15.31	238.91
C180122SP	Composite Bore (Terti	21/10/2021	15:25	224.14	83.75	8.54	232.68
C19011SP	Dunda Beds	27/10/2021	7:57	238.868	42.96	4.38	243.25
C19015SP	Dunda Beds	26/10/2021	10:50	240.365	34.91	3.56	243.92
C14006SP	Joe Joe Group	23/10/2021	7:47	219.68	32.79	3.34	223.02
C14008SP	Joe Joe Group	23/10/2021	8:09	220.66	38.98	3.97	224.63
C14015SP	Joe Joe Group	21/10/2021	15:53	229.30	68.89	7.02	236.32
C14016SP	Joe Joe Group	24/10/2021	9:23	222.72	85.59	8.73	231.45
C14017SP	Joe Joe Group	21/10/2021	16:42	230.428	147.37	15.03	245.46
C14032SP	Joe Joe Group	21/10/2021	14:56	222.44	133.36	13.60	236.04
C180119SP	Joe Joe Group	23/10/2021	12:52	224.33	105.89	10.80	235.13
C180123SP	Joe Joe Group	21/10/2021	16:23	227.85	149.42	15.24	243.09
C914030SPR	Joe Joe Group	23/10/2021	8:27	218.06	90.83	9.26	227.32
C914108PTR	Joe Joe Group	21/10/2021	14:45	222.30	133.79	13.64	235.94
C9180124SPR	Joe Joe Group	21/10/2021	15:18	224.29	104.31	10.64	234.93
C9180125SPR	Joe Joe Group	23/10/2021	12:25	223.80	158.44	16.16	239.96
C919016SPR	Rewan Formation	26/10/2021	12:37	240.23	55.67	5.68	245.91
C9180121SPR	Tertiary	21/10/2021	16:29	227.745	132.01	13.46	241.21

* Inaccessible due to wet weather

** Groundwater level sub artesian.

Sub-Artesain Bores

Bore ID	Formation	Sample Date	Time	Reference Level m AHD	Oct-21	
					DTW m bRL	SWL m AHD
m AHD = metres Australia Height Datum, m bRL = metres below Reference Level.						
C027P1	Alluvium	20/10/2021	14:50	227.615	6.06	221.56
C029P1	Alluvium	20/10/2021	15:10	226.048	11.87	214.18
C14027SP	Alluvium	24/10/2021	10:38	218.126	14.52	203.61
C14028SP	Alluvium	24/10/2021	11:39	219.629	14.11	205.52
C19001SP	Alluvium	20/10/2021	15:20	227.93	12.92	215.01
C19019SP*	Alluvium	25/10/2021	16:45	255.91	15	240.91
C19021SP*	Alluvium	25/10/2021	16:25	265.55	15	250.55
C19023SP*	Alluvium	25/10/2021	17:04	225.91	15	210.91
C19024SP*	Alluvium	26/10/2021	17:18	254.527	15	239.53
C19025SP*	Alluvium	26/10/2021	17:26	248.413	15	233.41
HD03B**	Alluvium			230.16		
C006P1	Bandanna Formation	25/10/2021	17:35	234.11	28.12	205.99
C007P2	Bandanna Formation	27/10/2021	9:54	238.61	55.26	183.35
C008P2	Bandanna Formation	26/10/2021	16:39	238.805	50.62	188.19
C011P1	Bandanna Formation	25/10/2021	12:46	255.22	25.29	229.93
C014P2	Bandanna Formation	25/10/2021	15:49	256.90	47.37	209.53
C016P2	Bandanna Formation	25/10/2021	12:20	295.08	46.51	248.57
C018P1	Bandanna Formation	25/10/2021	13:00	281.89	36.96	244.93
C018P2	Bandanna Formation	25/10/2021	13:23	282.06	39.87	242.19
C032P2	Bandanna Formation	23/10/2021	14:47	256.92	24.95	231.97
C035P2	Bandanna Formation	23/10/2021	16:42	236.67	5.04	231.63
C19018SP	Bandanna Formation	26/10/2021	9:33	239.559	17.63	221.93
C19027SP	Bandanna Formation	25/10/2021	9:39	263.34	42.98	220.36
C823SP	Bandanna Formation	25/10/2021	16:40	247.33	55.58	191.75
C844SP	Bandanna Formation	23/10/2021	16:50	236.46	6.63	229.83
C847SP	Bandanna Formation	23/10/2021	11:56	237.92	6.68	231.24
C9839SPR	Bandanna Formation	24/10/2021	12:10	229.59	3.36	226.23
C14011SP	Clematis Sandstone	24/10/2021	15:38	312.435	69.7	242.74
C14012SP	Clematis Sandstone	26/10/2021	11:59	287.063	44.52	242.54
C14013SP	Clematis Sandstone	26/10/2021	11:33	287.256	44.95	242.31
C14021SP	Clematis Sandstone	24/10/2021	8:44	278.591	32.89	245.70
C14033SP	Clematis Sandstone	25/10/2021	8:57	297.35	46.77	250.58
C18002SP	Clematis Sandstone	27/10/2021	9:58	249.28	5.6	243.68
C19002SP	Clematis Sandstone	25/10/2021	14:16	306.266	57.37	248.90
C19010SP	Clematis Sandstone	26/10/2021	17:05	239.70	1.28	238.42
HD02	Clematis Sandstone	26/10/2021	10:22	237.42	3.22	234.20
C006P3R	Colinlea Sandstone	25/10/2021	17:49	234.36	44.91	189.45
C011P3	Colinlea Sandstone	25/10/2021	13:30	255.08	27.86	227.22
C018P3	Colinlea Sandstone	25/10/2021	13:03	281.98	39.78	242.20
C024P3	Colinlea Sandstone	25/10/2021	12:20	259.16	30.26	228.90
C180112SP	Colinlea Sandstone	27/10/2021	11:15	227.17	55.94	171.23
C19003SP	Colinlea Sandstone	24/10/2021	9:09	231.36	0.29	231.07
C19004SP	Colinlea Sandstone	23/10/2021	9:47	239.355	7.75	231.61
C19026SP	Colinlea Sandstone	26/10/2021	16:15	239.28	54.6	184.68
C19029SP	Colinlea Sandstone	24/10/2021	13:10	225.445	23.22	202.23
C827SP	Colinlea Sandstone	27/10/2021	12:40	232.65	51.71	180.94
C840SP	Colinlea Sandstone	24/10/2021	12:15	229.85	4.37	225.48

C848SP	Colinlea Sandstone	23/10/2021	11:30	237.835	7.21	230.63
C975SP	Colinlea Sandstone	25/10/2021	11:30	267.81	26.89	240.92
C9849SPR	Colinlea Sandstone	23/10/2021	13:28	237.69	7.2	230.49
C14024SP	Composite Bed (Clematis SSt / Dunda Beds)	23/10/2021	16:14	333.31	70.77	262.54
Mellaluka Spring	Composite	23/10/2021	13:25	224.30	0.9	223.40
C022P1	Dunda Beds	25/10/2021	8:09	274.15	27.75	246.40
C027P2	Dunda Beds	20/10/2021	14:21	228.38	1.79	226.59
C14023SP	Dunda Beds	24/10/2021	9:09	278.675	31.71	246.97
C180117SP	Dunda Beds	24/10/2021	11:15	280.67	30.06	250.61
C19007SP	Dunda Beds	26/10/2021	12:42	310.94	67.28	243.66
C012P1	Alluvium	25/10/2021	14:18	247.943	26.87	221.07
C012P2	Joe Joe Group	25/10/2021	14:41	247.872	26.74	221.13
C14002SP	Joe Joe Group	27/10/2021	10:52	226.925	8.32	218.61
C14003SP	Joe Joe Group	26/10/2021	14:55	218.977	9.82	209.16
C14004SP	Joe Joe Group	26/10/2021	14:03	218.919	9.57	209.35
C914001SPR	Joe Joe Group	24/10/2021	13:23	227.246	9.07	218.18
C14020SP	Moolayember	25/10/2021	9:27	297.37	44.9	252.47
C18003SP	Moolayember	27/10/2021	10:17	249.08	12.85	236.23
C008P1	Rewan Formation	26/10/2021	16:40	238.64	27.29	211.35
C035P1	Rewan Formation	23/10/2021	16:11	236.79	6.02	230.77
C19008SP	Rewan Formation	24/10/2021	17:31	311.07	65.8	245.27
C19009SP	Rewan Formation	26/10/2021	13:20	310.47	280.03	30.44
C19012SP	Rewan Formation	27/10/2021	8:15	239.42	0	239.42
C19017SP	Rewan Formation	26/10/2021	10:14	239.935	166.7	73.24
C19028SP	Rewan Formation	23/10/2021	8:24	261.62	22.72	238.90
C555P1	Rewan Formation	20/10/2021	14:24	241.86	12.3	229.56
C556P1	Rewan Formation	24/10/2021	9:52	261.424	27.67	233.75
C919013SPR	Rewan Formation	26/10/2021	17:47	238.289	207.62	30.67
C9553P1R	Rewan Formation	25/10/2021	10:27	294.634	42.39	252.24
C9838SPR	Rewan Formation	24/10/2021	11:59	229.60	2.64	226.96
C18010SP	Spring Discharge Clematis SSt	26/10/2021	9:27	238.213	0.33	237.88
C18011SP	Spring Discharge Clematis SSt	26/10/2021	9:04	240.618	0.48	240.14
C18012SP**	Spring Discharge Clematis SSt			239.541		
C18013SP**	Spring Discharge Clematis SSt			239.167		
C18014SP	Spring Discharge Clematis SSt	26/10/2021	11:25	235.974	0.47	235.50
Joshua Spring	Spring Discharge Clematis SSt	27/10/2021	10:34	243.26	0.78	242.48
C025P2	Tertiary	20/10/2021	16:21	228.24	11.06	217.18
C029P2	Tertiary	20/10/2021	16:33	226.00	6.16	219.84
C558P1	Tertiary	25/10/2021	15:36	250.72	34.51	216.21
C9845SPR	Tertiary	23/10/2021	15:17	256.235	21.57	234.67
C18004SP	Weathered Tertiary	26/10/2021	14:32	229.471	22.25	207.22
C18005SP	Weathered Tertiary	24/10/2021	17:14	221.658	10.47	211.19
C18006SP	Weathered Tertiary	24/10/2021	17:44	222.266	12.76	209.51
C18007SP*	Weathered Tertiary	22/10/2021	17:35	232.22	27	205.22
C18008SP*	Weathered Tertiary	22/10/2021	17:50	236.473	29	207.47
C18009SP	Weathered Tertiary	24/10/2021	15:31	226.745	17.71	209.04
C19020SP*	Weathered Tertiary	25/10/2021	16:45	256.54	50	206.54
C19022SP	Weathered Tertiary	25/10/2021	17:15	225.920	18.73	207.19

Note-* - Dry

** Inaccessible due to wet weather.

VWP_Bores

VWP ID	Wire number	Formation	Sample date	Time	Ground surface level	Depth below ground	Oct-21	
							Equivalent metres of head	Relative water level
							m AHD	m
m AHD = metres Australia Height Datum.								
C056VWP	VWP3	Rewan	25/10/2021	10:22:00	283.86	240	195.20	239.11
	VWP2	AB Seam				312	253.10	224.99
	VWP1	CD Sandstone				408	284.70	160.60
C555VWP	VWP2	Rewan	20/10/2021	14:30:00	241.15	260.5	219.10	199.74
	VWP1	AB Seam				346	335.90	231.00
C558VWP	VWP3	AB Seam	25/10/2021	15:30:00	250.05	73	38.70	215.75
	VWP2	C Seam Interburden				120	78.60	208.69
	VWP1	D Seam				178	137.60	209.70
C842VWP	VWP3	Rewan	23/10/2021	16:54:00	238.89	130	104.60	213.48
	VWP2	AB Seam				177.5	158.30	219.74
	VWP1	C Seam Interburden				235	216.20	220.10
C851VWP	VWP3	Rewan	23/10/2021	10:51:00	244.67	103.7	87.90	228.83
	VWP2	AB Seam				145.7	125.70	224.72
	VWP1	CD Sandstone				209.7	190.10	225.10
C966VWP	VWP4	Rewan	25/10/2021	10:13:00	288.7	258	221.60	252.34
	VWP3	Rewan				302.5	227.10	213.27
	VWP2	AB Seam				348.5	190.50	130.71
	VWP1	AB Seam Interburden				355	183.30	117.05
C968VWP	VWP5	AB Seam	25/10/2021	10:31:00	279.18	244	156.60	191.83
	VWP4	AB Interburden				258	178.20	199.34
	VWP3	C Seam				302.5	252.90	177.12
	VWP2	D Seam				348.5	332.70	263.42
	VWP1	D Seam Interburden				355	358.9	283.12
C9553VWP	VWP3	Rewan	25/10/2021	10:17:00	294.56	265.43	207.60	236.75
	VWP2	AB Seam				348.43	308.60	254.71
	VWP1	D Seam				467.43	400.80	227.90
C9556VWP	VWP3	Rewan	24/10/2021	10:32:00	260.4	216	174.00	218.41
	VWP1	D Seam				410	394.50	244.90
V9836VWP	VWP3	Rewan	24/10/2021	12:38:00	236.8	130	112.20	218.97
	VWP1	CD Sandstone				296	275.90	216.70
C14200VWP	VWP3	Rewan	21/10/2021	13:30:00	247.08	101	100.90	246.97
	VWP2	Rewan				199	184.60	232.63
	VWP1	AB Seam				224	210.00	233.07
C14203VWP	VWP2	Rewan	23/10/2021	17:09:00	230.55	77	113.10	266.66
	VWP1	CD Sandstone				247	240.40	223.94
C14206VWP	VWP2	Rewan	24/10/2021	9:09:00	277.15	355	312.30	234.40
	VWP1	AB Seam				464	433.90	247.10
C14207VWP	VWP2	Rewan	25/10/2021	1:58:00	305.17	400	340.70	245.83
	VWP1	AB Seam				504	412.30	213.48
C19842CVWP	VWP1	Rewan	26/10/2021	10:39:00	239.771	313.5	305.00	231.27
C19031SPVWP	VWP1	Colinlea Sandstone	26/10/2021	10:37:00	238.919	601.4	577.23	214.74