

Drinking Water Quality Annual Report Data 01/07/2021 to 30/06/2022

Table 3 Aesthetic (Non-health related) Variables

Perth Region	Alkalinity (as CaCO3)				Aluminium				Chloride				Hardness							
Locality	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met
		Min	Max	Mean			Min	Max	Mean			Min	Max	Mean			Min	Max	Mean	
Armadale/Kelmscott	2	51	60	56	(1)	2	0.014	0.016	0.015	✓	2	130	135	133	✓	2	67	68	68	✓
Bold Park	3	47	64	54	(1)	3	<0.008	0.012	<0.008	✓	3	80	115	98	✓	3	56	57	57	✓
Buckland Hill	3	64	65	64	(1)	3	0.008	0.014	0.012	✓	3	95	185	152	✓	3	62	68	66	✓
Dwellingup	2	8	9	9	(1)	2	<0.008	0.012	<0.008	✓	2	65	70	68	✓	2	28	30	29	✓
Foothills	2	75	98	87	(1)	2	0.010	0.014	0.012	✓	2	170	190	180	✓	2	95	99	97	✓
Greenmount	4	63	140	99	(1)	3	<0.008	0.016	<0.008	✓	4	125	160	149	✓	4	73	110	92	✓
Greenmount/Darlington	2	57	89	73	(1)	2	0.008	0.018	0.013	✓	2	125	135	130	✓	2	70		77	✓
Hamilton Hill	2	71	74	73	(1)	2	<0.008	<0.008	<0.008	✓	2	135	185	160	✓	2	90	90	90	✓
Hills Direct	2	51	58	55	(1)	2	0.012	0.020	0.016	✓	2	130	140	135	✓	2	65	78	72	✓
Lexia	2	91	140	116	(1)	2	0.008	0.010	0.009	✓	2	110	120	115	✓	2	140	160	150	✓
Mandurah	4	42	52	47	(1)	4	0.014	0.020	0.017	✓	4	37	60	45	✓	4	47	59	54	✓
Melville	5	40	68	60	(1)	5	<0.008	0.012	<0.008	✓	5	70	195	137	✓	5	50	78	63	✓
Mirrabooka	5	50	89	62	(1)	5	0.012	0.025	0.016	✓	5	145	235	192	✓	5	98	140	124	✓
Mt. Eliza	4	56	78	64	(1)	4	<0.008	0.012	<0.008	✓	4	75	205	155	✓	4	58	81	71	✓
Mt. Hawthorn	5	100	170	124	(1)	5	<0.008	0.012	<0.008	✓	5	170	200	183	✓	5	93	120	108	✓
Mt. Yokine	5	110	150	124	(1)	5	<0.008	<0.008	<0.008	✓	5	165	195	179	✓	5	96	120	111	✓
Mundaring	2	55	60	58	(1)	2	<0.008	0.018	0.009	✓	2	165	190	178	✓	2	91	98	95	✓
Neerabup	5	140	160	150	(1)	5	<0.008	<0.008	<0.008	✓	5	125	170	148	✓	5	160	210	184	✓
North Dandalup	3	42	60	50	(1)	3	0.025	0.050	0.038	✓	3	38	65	54	✓	3	51	59	55	✓
Pinjarra	2	48	53	51	(1)	2	0.010	0.018	0.014	✓	2	38	43	41	✓	2	58	58	58	✓
South Perth/Kewdale	4	52	120	81	(1)	4	<0.008	0.010	<0.008	✓	4	125	170	145	✓	4	62	110	81	✓
Tamworth Hill	2	43	46	45	(1)	2	0.010	0.020	0.015	✓	2	38	40	39	✓	2	45	49	47	✓
Thomsons Lake	5	67	84	75	(1)	5	<0.008	<0.008	<0.008	✓	5	105	240	164	✓	5	77	110	92	✓
Two Rocks	4	190	200	195	(1)	4	<0.008	<0.008	<0.008	✓	4	100	105	104	✓	4	220	230	225	(2)
Wanneroo	4	93	110	100	(1)	4	<0.008	0.045	0.015	✓	4	110	160	144	✓	4	110	120	115	✓
West Yokine	4	120	140	125	(1)	4	<0.008	<0.008	<0.008	✓	4	165	180	173	✓	4	100	120	113	✓
Whitfords	2	86	99	93	(1)	2	<0.008	0.012	<0.008	✓	2	155	165	160	✓	2	110	110	110	✓
Yanchep	4	150	200	178	(1)	4	<0.008	<0.008	<0.008	✓	4	125	140	131	✓	4	180	220	205	(2)

(1) No guideline value available as per ADWG 2011. (2) Elevated hardness is characteristic of the source supplying this locality

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Table 4 Aesthetic (Non-health related) Variables

Perth Region	Iron			Manganese			pH			Silicon										
Locality	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Value (pH units)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met
		Min	Max	Mean			Min	Max	Mean			Min	Max	Mean			Min	Max	Mean	
Armadale/Kelmscott	2	0.025	0.040	0.033	✓	2	<0.002	0.002	<0.002	✓	2	7.38	7.65	7.52	✓	2	2.2	2.7	2.5	✓
Bold Park	3	0.040	0.070	0.057	✓	3	0.006	0.007	0.007	✓	3	7.77	7.95	7.87	✓	3	2.4	6.3	4.3	✓
Buckland Hill	3	0.030	0.050	0.037	✓	3	0.004	0.007	0.006	✓	3	7.68	7.94	7.83	✓	3	5.1	7.1	5.8	✓
Dwellingup	2	0.040	0.100	0.070	✓	2	<0.002	0.003	<0.002	✓	2	6.83	6.97	6.90	✓	2	2.1	2.8	2.5	✓
Foothills	2	0.020	0.025	0.023	✓	2	0.003	0.010	0.007	✓	2	7.91	7.91	7.91	✓	2	3.8	11.0	7.4	✓
Greenmount	4	0.010	0.020	0.015	✓	4	<0.002	<0.002	<0.002	✓	4	7.98	8.24	8.12	✓	4	6.4	17.0	12.6	✓
Greenmount/Darlington	2	0.020	0.080	0.050	✓	2	0.003	0.010	0.007	✓	2	7.66	8.23	7.95	✓	2	4.2	9.3	6.8	✓
Hamilton Hill	2	0.006	0.015	0.011	✓	2	0.005	0.007	0.006	✓	2	7.89	7.97	7.93	✓	2	4.1	5.1	4.6	✓
Hills Direct	2	0.035	0.035	0.035	✓	2	0.004	0.006	0.005	✓	2	7.70	7.75	7.73	✓	2	2.7	3.8	3.3	✓
Lexia	2	0.008	0.010	0.009	✓	2	0.002	0.008	0.005	✓	2	7.32	7.97	7.65	✓	2	14.0	19.0	16.5	✓
Mandurah	4	0.008	0.020	0.012	✓	4	<0.002	0.003	<0.002	✓	4	7.67	8.12	7.95	✓	4	1.7	2.8	2.0	✓
Melville	5	0.020	0.050	0.030	✓	5	0.003	0.007	0.005	✓	5	7.71	8.02	7.86	✓	5	2.7	6.0	4.4	✓
Mirrabooka	5	0.015	0.020	0.017	✓	5	<0.002	0.003	<0.002	✓	5	7.10	7.80	7.39	✓	5	14.0	17.0	15.2	✓
Mt. Eliza	4	0.020	0.120	0.059	✓	4	0.003	0.006	0.005	✓	4	7.70	8.00	7.86	✓	4	3.9	7.7	5.6	✓
Mt. Hawthorn	5	0.020	0.030	0.024	✓	5	<0.002	0.006	0.003	✓	5	7.76	8.07	7.92	✓	5	17.0	18.0	17.4	✓
Mt. Yokine	5	0.015	0.025	0.020	✓	5	0.003	0.003	0.003	✓	5	7.63	8.01	7.85	✓	5	17.0	19.0	18.0	✓
Mundaring	2	0.004	0.010	0.007	✓	2	<0.002	<0.002	<0.002	✓	2	8.12	8.63	8.38	✓	2	5.5	5.5	5.5	✓
Neerabup	5	0.010	0.020	0.015	✓	5	0.002	0.003	0.003	✓	5	7.17	7.79	7.45	✓	5	19.0	24.0	20.8	✓
North Dandalup	3	0.020	0.035	0.028	✓	3	<0.002	<0.002	<0.002	✓	3	7.82	8.28	8.04	✓	3	1.0	1.5	1.2	✓
Pinjarra	2	0.006	0.030	0.018	✓	2	<0.002	0.004	<0.002	✓	2	7.88	8.15	8.02	✓	2	1.4	2.1	1.8	✓
South Perth/Kewdale	4	0.010	0.035	0.025	✓	4	<0.002	0.005	0.003	✓	4	7.26	7.89	7.61	✓	4	2.9	17.0	9.1	✓
Tamworth Hill	2	0.015	0.020	0.018	✓	2	<0.002	0.004	<0.002	✓	3	7.82	8.04	7.94	✓	2	1.1	2.5	1.8	✓
Thomsons Lake	5	<0.003	0.004	<0.003	✓	5	<0.002	0.005	0.003	✓	5	7.84	7.99	7.93	✓	5	2.6	6.7	4.7	✓
Two Rocks	4	<0.003	0.015	0.004	✓	4	<0.002	<0.002	<0.002	✓	4	7.53	7.82	7.70	✓	4	11.0	12.0	11.5	✓
Wanneroo	4	0.004	0.220	0.062	✓	4	<0.002	0.050	0.014	✓	4	7.10	7.67	7.41	✓	4	18.0	20.0	19.0	✓
West Yokine	4	0.008	0.060	0.024	✓	4	<0.002	<0.002	<0.002	✓	4	7.71	8.09	7.93	✓	4	18.0	19.0	18.3	✓
Whitfords	2	0.008	0.015	0.012	✓	2	0.003	0.003	0.003	✓	2	7.44	7.77	7.61	✓	2	17.0	18.0	17.5	✓
Yanchep	4	0.004	0.015	0.010	✓	4	<0.002	0.003	<0.002	✓	4	7.50	7.74	7.62	✓	4	17.0	20.0	18.5	✓

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Table 5 Aesthetic (Non-health related) Variables

Perth Region	Sodium			Total Dissolved Solids			True Colour			Turbidity										
Locality	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Value (TCU)			Guideline Met	Samples Taken	Value (NTU)			Guideline Met
		Min	Max	Mean			Min	Max	Mean			Min	Max	Mean			Min	Max	Mean	
Armadale/Kelmscott	2	73	80	77	✓	2	315	336	326	✓	2	<1	<1	<1	✓	2	0.2	0.2	0.2	✓
Bold Park	3	45	68	59	✓	3	218	286	263	✓	3	<1	<1	<1	✓	3	0.1	0.2	0.2	✓
Buckland Hill	3	55	115	93	✓	3	275	431	373	✓	3	<1	<1	<1	✓	3	0.1	0.4	0.3	✓
Dwellingup	2	33	36	35	✓	2	138	148	143	✓	2	1	1	1	✓	2	0.2	0.4	0.3	✓
Foothills	2	105	120	113	✓	2	473	474	474	✓	2	<1	<1	<1	✓	2	0.2	0.4	0.3	✓
Greenmount	4	74	110	95	✓	4	332	530	440	✓	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓
Greenmount/Darlington	2	73	92	83	✓	2	318	403	361	✓	2	<1	<1	<1	✓	2	0.1	0.5	0.3	✓
Hamilton Hill	2	79	120	100	✓	2	364	456	410	✓	2	<1	<1	<1	✓	2	0.2	0.2	0.2	✓
Hills Direct	2	76	78	77	✓	2	310	344	327	✓	2	<1	<1	<1	✓	2	0.2	0.3	0.3	✓
Lexia	2	59	69	64	✓	2	414	453	434	✓	2	<1	<1	<1	✓	2	0.2	0.2	0.2	✓
Mandurah	4	21	33	25	✓	4	135	179	155	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Melville	5	41	125	87	✓	5	190	451	342	✓	5	<1	2	<1	✓	5	<0.1	0.4	0.2	✓
Mirrabooka	5	100	120	111	✓	5	436	538	501	✓	5	<1	2	<1	✓	5	<0.1	0.3	<0.1	✓
Mt. Eliza	4	45	120	92	✓	4	229	483	378	✓	4	<1	<1	<1	✓	4	<0.1	0.3	0.2	✓
Mt. Hawthorn	5	115	135	125	✓	5	529	602	556	✓	5	<1	<1	<1	✓	5	0.1	0.3	0.2	✓
Mt. Yokine	5	115	140	128	✓	5	533	581	555	✓	5	<1	<1	<1	✓	5	<0.1	0.3	0.2	✓
Mundaring	2	94	100	97	✓	2	401	441	421	✓	2	<1	2	<1	✓	2	<0.1	0.1	<0.1	✓
Neerabup	5	70	92	82	✓	5	494	555	530	✓	5	<1	<1	<1	✓	5	<0.1	0.2	0.2	✓
North Dandalup	3	21	36	29	✓	3	160	179	170	✓	3	<1	<1	<1	✓	3	0.1	0.2	0.2	✓
Pinjarra	2	20	25	23	✓	2	151	159	155	✓	2	<1	<1	<1	✓	2	0.2	0.3	0.3	✓
South Perth/Kewdale	4	71	115	91	✓	4	308	529	402	✓	4	<1	<1	<1	✓	4	0.1	0.2	0.2	✓
Tamworth Hill	2	21	22	22	✓	2	136	144	140	✓	2	<1	<1	<1	✓	2	<0.1	0.2	<0.1	✓
Thomsons Lake	5	60	155	100	✓	5	294	581	420	✓	5	<1	<1	<1	✓	5	0.1	0.2	0.2	✓
Two Rocks	4	54	58	56	✓	4	515	522	518	✓	4	<1	<1	<1	✓	4	<0.1	0.3	0.2	✓
Wanneroo	4	67	96	84	✓	4	396	464	444	✓	4	<1	<1	<1	✓	4	<0.1	1	0.3	✓
West Yokine	4	110	120	118	✓	4	532	552	541	✓	4	<1	<1	<1	✓	4	<0.1	0.1	<0.1	✓
Whitfords	2	94	97	96	✓	2	456	463	460	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Yanchep	4	67	71	69	✓	4	505	566	541	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓