

Drinking Water Quality Annual Report Data 01/07/2022 to 30/06/2023

Table 3 Aesthetic (Non-health related) Variables

Perth Region	Alkalinity (as CaCO <sub>3</sub> )			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					
		Min	Max	Mean			Min	Max	Mean			Min	Max	Mean						
Armadale/Kelmscott	2	38	44	41	(1)	2	0.010	0.018	0.014	✓	2	110	120	115	✓	2	63	64	64	✓
Bold Park	2	46	48	47	(1)	2	<0.008	0.014	<0.008	✓	2	110	120	115	✓	2	49	65	57	✓
Buckland Hill	4	56	73	64	(1)	4	0.010	0.012	0.011	✓	4	160	220	185	✓	4	60	69	65	✓
Dwellingup	2	9	11	10	(1)	2	<0.008	0.010	<0.008	✓	2	60	70	65	✓	2	26	31	29	✓
Foothills	2	77	90	84	(1)	2	0.010	0.012	0.011	✓	2	175	180	178	✓	2	88	98	93	✓
Greenmount	5	95	150	118	(1)	4	<0.008	0.025	<0.008	✓	5	165	190	177	✓	5	96	120	109	✓
Greenmount/Darlington	2	72	92	82	(1)	2	0.010	0.075	0.043	✓	2	170	170	170	✓	2	84	89	87	✓
Hamilton Hill	2	57	74	66	(1)	2	<0.008	0.012	<0.008	✓	2	145	170	158	✓	2	72	92	82	✓
Hills Direct	4	15	55	39	(1)	4	0.010	0.018	0.014	✓	4	65	155	91	✓	4	35	74	54	✓
Lexia	2	62	94	78	(1)	2	<0.008	0.010	<0.008	✓	2	85	145	115	✓	2	81	160	121	✓
Mandurah	4	42	46	44	(1)	4	0.014	0.025	0.021	✓	4	40	50	43	✓	4	46	55	50	✓
Melville	4	51	71	59	(1)	4	<0.008	0.012	<0.008	✓	4	130	190	163	✓	4	56	62	59	✓
Mirrabooka	4	47	57	53	(1)	4	0.008	0.016	0.012	✓	4	190	215	205	✓	4	120	140	130	✓
Mt. Eliza	5	49	92	69	(1)	5	<0.008	0.012	<0.008	✓	5	160	230	183	✓	5	57	78	66	✓
Mt. Hawthorn	4	100	130	120	(1)	4	<0.008	<0.008	<0.008	✓	4	170	185	180	✓	4	99	120	110	✓
Mt. Yokine	4	120	130	125	(1)	4	<0.008	<0.008	<0.008	✓	4	180	190	185	✓	4	99	120	107	✓
Mundaring	2	63	64	64	(1)	2	<0.008	0.008	<0.008	✓	2	170	180	175	✓	2	93	98	96	✓
Neerabup	4	56	170	137	(1)	4	<0.008	0.008	<0.008	✓	4	160	175	164	✓	4	95	200	161	✓
North Dandalup	2	15	46	31	(1)	2	<0.008	0.010	<0.008	✓	2	43	80	62	✓	2	37	55	46	✓
Pinjarra	2	42	46	44	(1)	1	0.008	0.008	0.008	✓	2	36	41	39	✓	2	47	53	50	✓
South Perth/Kewdale	5	84	140	121	(1)	5	<0.008	<0.008	<0.008	✓	5	150	190	173	✓	5	91	120	106	✓
Tamworth Hill	2	32	44	38	(1)	2	0.012	0.030	0.021	✓	2	39	65	52	✓	2	48	50	49	✓
Thomsons Lake	4	81	100	88	(1)	4	<0.008	<0.008	<0.008	✓	4	180	235	209	✓	4	95	110	101	✓
Two Rocks	5	190	210	200	(1)	5	<0.008	<0.008	<0.008	✓	5	100	105	104	✓	5	220	230	226	(2)
Wanneroo	4	68	140	102	(1)	4	<0.008	0.016	<0.008	✓	4	145	165	156	✓	4	95	150	121	✓
West Yokine	4	61	140	115	(1)	4	<0.008	0.012	<0.008	✓	4	175	200	191	✓	4	100	130	113	✓
Whitfords	2	92	110	101	(1)	2	<0.008	<0.008	<0.008	✓	2	160	180	170	✓	2	110	130	120	✓
Yanchep	4	110	200	168	(1)	4	<0.008	<0.008	<0.008	✓	4	130	140	136	✓	4	130	220	198	✓

(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	0.035	0.030	✓	2	0.002	0.004	0.003	✓	2	7.42	7.43	7.43	✓	2	3.0	3.1	3.1	✓
Bold Park	2	0.020	0.060	0.040	✓	2	0.005	0.005	0.005	✓	2	7.84	7.86	7.85	✓	2	3.1	4.1	3.6	✓
Buckland Hill	4	0.035	0.060	0.048	✓	4	0.007	0.012	0.009	✓	4	7.63	8.02	7.81	✓	4	5.8	7.9	7.0	✓
Dwellingup	2	0.040	0.045	0.043	✓	2	0.002	0.004	0.003	✓	2	6.66	6.75	6.71	✓	2	1.7	1.9	1.8	✓
Foothills	2	0.025	0.040	0.033	✓	2	0.005	0.006	0.006	✓	2	7.91	8.01	7.96	✓	2	4.5	7.3	5.9	✓
Greenmount	5	0.008	0.340	0.077	✓	5	<0.002	0.055	0.012	✓	5	7.86	8.17	8.01	✓	5	9.9	17.0	14.0	✓
Greenmount/Darlington	2	0.030	0.160	0.095	✓	2	0.004	0.008	0.006	✓	2	8.09	8.14	8.12	✓	2	4.5	7.5	6.0	✓
Hamilton Hill	2	0.015	0.025	0.020	✓	2	0.005	0.006	0.006	✓	2	7.75	7.80	7.78	✓	2	4.3	5.2	4.8	✓
Hills Direct	4	0.035	0.070	0.050	✓	4	0.005	0.009	0.008	✓	4	7.28	7.56	7.45	✓	4	2.3	3.8	3.0	✓
Lexia	2	0.004	0.004	0.004	✓	2	0.002	0.003	0.003	✓	2	7.70	7.96	7.83	✓	2	13.0	17.0	15.0	✓
Mandurah	4	0.008	0.045	0.018	✓	4	<0.002	0.009	0.003	✓	4	7.85	8.43	8.19	✓	4	2.1	2.6	2.4	✓
Melville	4	0.020	0.050	0.036	✓	4	0.004	0.007	0.006	✓	4	7.67	8.07	7.84	✓	4	3.7	7.5	5.6	✓
Mirrabooka	4	0.010	0.025	0.016	✓	4	<0.002	0.004	<0.002	✓	4	7.14	7.57	7.27	✓	4	14.0	16.0	14.8	✓
Mt. Eliza	5	0.020	0.090	0.059	✓	5	0.002	0.016	0.010	✓	5	7.73	7.89	7.82	✓	5	5.6	11.0	8.4	✓
Mt. Hawthorn	4	0.025	0.050	0.038	✓	4	0.003	0.008	0.006	✓	4	7.81	8.23	7.99	✓	4	15.0	18.0	16.8	✓
Mt. Yokine	4	0.020	0.035	0.025	✓	4	0.003	0.006	0.004	✓	4	7.55	8.01	7.77	✓	4	17.0	17.0	17.0	✓
Mundaring	2	0.010	0.045	0.028	✓	2	<0.002	<0.002	<0.002	✓	2	8.23	8.69	8.46	✓	2	5.4	6.4	5.9	✓
Neerabup	4	0.006	0.015	0.012	✓	4	<0.002	0.004	<0.002	✓	4	7.08	8.22	7.47	✓	4	16.0	21.0	18.8	✓
North Dandalup	2	0.030	0.030	0.030	✓	2	<0.002	0.004	<0.002	✓	2	6.76	7.79	7.28	✓	2	2.4	2.7	2.6	✓
Pinjarra	2	0.015	0.015	0.015	✓	2	<0.002	0.003	<0.002	✓	2	7.53	7.72	7.63	✓	2	2.2	3.2	2.7	✓
South Perth/Kewdale	5	0.020	0.050	0.034	✓	5	0.003	0.010	0.005	✓	5	7.60	8.05	7.84	✓	5	13.0	19.0	17.2	✓
Tamworth Hill	2	0.020	0.040	0.030	✓	2	<0.002	0.014	0.007	✓	2	7.75	8.13	7.94	✓	2	2.2	4.0	3.1	✓
Thomsons Lake	4	<0.003	0.004	<0.003	✓	4	0.003	0.005	0.004	✓	4	7.65	7.93	7.79	✓	4	5.0	6.2	5.6	✓
Two Rocks	5	<0.003	0.010	<0.003	✓	5	<0.002	<0.002	<0.002	✓	5	7.56	7.84	7.70	✓	5	11.0	12.0	11.8	✓
Wanneroo	4	0.008	0.020	0.013	✓	4	0.002	0.005	0.003	✓	4	7.28	7.70	7.48	✓	4	17.0	21.0	18.5	✓
West Yokine	4	0.015	0.035	0.024	✓	4	<0.002	0.004	<0.002	✓	4	7.40	8.27	7.90	✓	4	15.0	18.0	16.0	✓
Whitfords	2	0.010	0.020	0.015	✓	2	0.004	0.005	0.005	✓	2	7.54	7.74	7.64	✓	2	17.0	18.0	17.5	✓
Yanchep	4	0.004	0.008	0.006	✓	4	<0.002	<0.002	<0.002	✓	4	7.47	7.84	7.62	✓	4	17.0	18.0	17.3	✓

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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	70	71	71	✓	2	274	294	284	✓	2	<1	<1	<1	✓	2	0.1	0.2	0.2	✓
Bold Park	2	63	65	64	✓	2	264	286	275	✓	2	<1	<1	<1	✓	2	0.1	0.2	0.2	✓
Buckland Hill	4	105	145	120	✓	4	406	514	438	✓	4	<1	<1	<1	✓	4	0.1	0.3	0.2	✓
Dwellingup	2	32	39	36	✓	2	129	150	140	✓	2	<1	<1	<1	✓	2	0.2	0.3	0.3	✓
Foothills	2	100	120	110	✓	2	440	478	459	✓	2	<1	<1	<1	✓	2	0.2	0.5	0.4	✓
Greenmount	5	110	130	121	✓	5	468	588	532	✓	5	<1	<1	<1	✓	5	<0.1	2.1	0.5	✓
Greenmount/Darlington	2	105	115	110	✓	2	425	467	446	✓	2	<1	<1	<1	✓	2	0.1	0.1	0.1	✓
Hamilton Hill	2	92	110	101	✓	2	377	434	406	✓	2	<1	<1	<1	✓	2	0.1	0.1	0.1	✓
Hills Direct	4	36	93	54	✓	4	147	368	231	✓	4	<1	<1	<1	✓	4	0.3	0.6	0.4	✓
Lexia	2	45	84	65	✓	2	387	388	388	✓	2	<1	<1	<1	✓	2	<0.1	0.2	<0.1	✓
Mandurah	4	23	28	25	✓	4	144	164	151	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Melville	4	73	125	106	✓	4	309	450	387	✓	4	<1	<1	<1	✓	4	0.1	0.4	0.2	✓
Mirrabooka	4	115	130	124	✓	4	510	542	528	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Mt. Eliza	5	105	145	118	✓	5	372	529	441	✓	5	<1	<1	<1	✓	5	<0.1	0.4	0.2	✓
Mt. Hawthorn	4	110	140	129	✓	4	529	575	556	✓	4	<1	<1	<1	✓	4	<0.1	0.3	<0.1	✓
Mt. Yokine	4	120	135	128	✓	4	543	572	560	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Mundaring	2	99	110	105	✓	2	419	447	433	✓	2	<1	2	<1	✓	2	0.1	0.2	0.2	✓
Neerabup	4	88	93	91	✓	4	416	582	530	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
North Dandalup	2	26	38	32	✓	2	154	164	159	✓	2	<1	<1	<1	✓	2	0.1	0.3	0.2	✓
Pinjarra	2	23	23	23	✓	2	139	153	146	✓	2	<1	<1	<1	✓	2	0.1	0.6	0.4	✓
South Perth/Kewdale	5	94	130	119	✓	5	424	579	528	✓	5	<1	<1	<1	✓	5	<0.1	0.3	<0.1	✓
Tamworth Hill	2	24	32	28	✓	2	143	169	156	✓	2	<1	2	<1	✓	2	0.2	0.2	0.2	✓
Thomsons Lake	4	115	155	136	✓	4	467	590	526	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Two Rocks	5	53	60	56	✓	5	508	535	524	✓	5	<1	<1	<1	✓	5	<0.1	0.2	<0.1	✓
Wanneroo	4	88	97	91	✓	4	406	514	469	✓	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓
West Yokine	4	115	140	130	✓	4	518	596	565	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Whitfords	2	87	110	99	✓	2	482	496	489	✓	2	<1	<1	<1	✓	2	0.2	0.2	0.2	✓
Yanchep	4	71	77	75	✓	4	447	570	536	✓	4	<1	<1	<1	✓	4	<0.1	0.1	<0.1	✓