

Drinking Water Quality Annual Report Data 01/07/2023 to 30/06/2024

Table 3

Aesthetic (non-health related) variables

Perth Region	Alkalinity (as CaCO ₃)				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	3	57	68	64	(1)	3	0.014	0.016	0.015	✓	3	140	175	160	✓	3	69	81	77	✓
Bold Park	2	39	59	49	(1)	2	0.010	0.018	0.014	✓	2	90	145	118	✓	2	50	74	62	✓
Buckland Hill	5	44	82	63	(1)	5	<0.008	0.014	0.009	✓	5	90	200	164	✓	5	49	76	63	✓
Dwellingup	2	9	11	10	(1)	2	<0.008	<0.008	<0.008	✓	2	60	70	65	✓	2	26	32	29	✓
Foothills	2	62	76	69	(1)	2	0.018	0.025	0.022	✓	2	145	205	175	✓	2	79	93	86	✓
Greenmount	5	70	130	100	(1)	5	<0.008	0.020	<0.008	✓	5	160	195	176	✓	5	89	110	95	✓
Greenmount/Darlington	2	56	88	72	(1)	2	0.010	0.014	0.012	✓	2	135	160	148	✓	2	67	79	73	✓
Hamilton Hill	2	66	82	74	(1)	2	<0.008	0.010	<0.008	✓	2	145	170	158	✓	2	78	80	79	✓
Hills Direct	5	25	44	31	(1)	5	0.010	0.016	0.012	✓	5	55	90	75	✓	5	38	55	46	✓
Lexia	2	110	120	115	(1)	2	0.008	0.010	0.009	✓	2	90	170	130	✓	2	120	170	145	✓
Mandurah	4	46	56	51	(1)	4	0.016	0.030	0.025	✓	4	36	42	38	✓	4	50	56	54	✓
Melville	4	45	60	56	(1)	4	<0.008	0.030	0.018	✓	4	145	180	158	✓	4	48	57	54	✓
Mirrabooka	4	46	58	51	(1)	4	0.010	0.020	0.015	✓	4	175	210	191	✓	4	120	130	128	✓
Mt. Eliza	4	56	84	70	(1)	3	0.010	0.014	0.012	✓	4	165	230	189	✓	4	56	83	69	✓
Mt. Hawthorn	4	110	130	123	(1)	4	<0.008	<0.008	<0.008	✓	4	185	205	191	✓	4	100	120	110	✓
Mt. Yokine	4	120	130	123	(1)	4	<0.008	<0.008	<0.008	✓	4	180	195	188	✓	4	91	110	103	✓
Mundaring	2	60	68	64	(1)	2	<0.008	0.018	0.009	✓	2	200	205	203	✓	2	96	100	98	✓
Neerabup	4	150	180	163	(1)	4	<0.008	0.020	<0.008	✓	4	170	185	175	✓	4	180	200	190	✓
North Dandalup	2	11	13	12	(1)	2	<0.008	0.010	<0.008	✓	2	65	80	73	✓	2	29	37	33	✓
Pinjarra	2	51	56	54	(1)	2	0.012	0.016	0.014	✓	2	34	39	37	✓	2	57	63	60	✓
South Perth/Kewdale	4	120	140	125	(1)	4	<0.008	<0.008	<0.008	✓	4	175	185	180	✓	4	72	110	97	✓
Tamworth Hill	2	48	54	51	(1)	2	0.025	0.025	0.025	✓	2	32	35	34	✓	2	52	54	53	✓
Thomsons Lake	5	37	97	74	(1)	5	<0.008	0.012	<0.008	✓	5	55	230	175	✓	5	46	110	86	✓
Two Rocks	4	200	220	210	(1)	4	<0.008	<0.008	<0.008	✓	4	105	110	106	✓	4	220	230	228	(2)
Wanneroo	5	98	110	106	(1)	5	<0.008	0.016	<0.008	✓	5	155	165	159	✓	5	120	140	124	✓
West Yokine	5	54	130	94	(1)	5	<0.008	<0.008	<0.008	✓	5	165	215	192	✓	5	110	120	114	✓
Whitfords	2	95	99	97	(1)	2	<0.008	0.018	0.009	✓	2	155	165	160	✓	2	120	120	120	✓
Yanchep	5	160	210	174	(1)	5	<0.008	<0.008	<0.008	✓	5	145	165	157	✓	5	190	220	204	(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				Silica							
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	3	0.025	0.060	0.038	✓	3	<0.002	0.003	<0.002	✓	3	7.69	7.93	7.83	✓	3	2.0	2.8	2.4	✓
Bold Park	2	0.010	0.060	0.035	✓	2	0.003	0.006	0.005	✓	2	7.77	7.79	7.78	✓	2	2.0	4.1	3.1	✓
Buckland Hill	5	0.020	0.045	0.033	✓	5	0.003	0.007	0.005	✓	5	7.47	7.97	7.81	✓	5	3.1	9.7	6.4	✓
Dwellingup	2	0.045	0.050	0.048	✓	2	0.004	0.004	0.004	✓	2	6.87	7.17	7.02	✓	2	1.4	1.4	1.4	✓
Foothills	2	0.020	0.180	0.100	✓	2	0.004	0.014	0.009	✓	2	7.63	8.15	7.89	✓	2	3.7	4.2	4.0	✓
Greenmount	5	0.004	0.020	0.013	✓	5	<0.002	0.003	<0.002	✓	5	7.94	8.37	8.13	✓	5	4.7	18.0	12.3	✓
Greenmount/Darlington	2	0.015	0.020	0.018	✓	2	0.002	0.003	0.003	✓	2	7.80	8.01	7.91	✓	2	3.1	7.2	5.2	✓
Hamilton Hill	2	0.015	0.015	0.015	✓	2	0.003	0.004	0.004	✓	2	7.94	8.06	8.00	✓	2	3.9	4.4	4.2	✓
Hills Direct	5	0.025	0.060	0.040	✓	5	<0.002	0.008	0.004	✓	5	7.31	7.70	7.46	✓	5	1.6	1.9	1.7	✓
Lexia	2	0.010	0.020	0.015	✓	2	0.003	0.014	0.009	✓	2	7.69	7.70	7.70	✓	2	14.0	17.0	15.5	✓
Mandurah	4	<0.003	0.020	0.010	✓	4	<0.002	0.004	<0.002	✓	4	8.04	8.79	8.47	✓	4	1.0	1.9	1.4	✓
Melville	4	0.030	0.050	0.040	✓	4	0.003	0.008	0.005	✓	4	7.54	8.05	7.79	✓	4	4.0	5.3	4.5	✓
Mirrabooka	4	0.015	0.030	0.020	✓	4	0.003	0.025	0.011	✓	4	6.63	7.24	7.04	✓	4	13.0	14.0	13.5	✓
Mt. Eliza	4	0.040	0.100	0.056	✓	4	0.006	0.012	0.009	✓	4	7.60	7.95	7.82	✓	4	4.5	7.1	6.1	✓
Mt. Hawthorn	4	0.020	0.045	0.033	✓	4	0.003	0.008	0.006	✓	4	7.74	8.05	7.90	✓	4	15.0	17.0	16.5	✓
Mt. Yokine	4	0.015	0.070	0.034	✓	4	0.003	0.012	0.006	✓	4	7.81	8.03	7.88	✓	4	15.0	18.0	16.8	✓
Mundaring	2	0.004	0.010	0.007	✓	2	<0.002	<0.002	<0.002	✓	2	8.29	8.58	8.44	✓	2	4.7	5.7	5.2	✓
Neerabup	4	0.010	0.120	0.048	✓	4	0.003	0.035	0.015	✓	4	7.45	7.90	7.60	✓	4	20.0	20.0	20.0	✓
North Dandalup	2	0.045	0.050	0.048	✓	2	<0.002	0.005	0.003	✓	2	6.89	7.02	6.96	✓	2	1.6	2.0	1.8	✓
Pinjarra	2	0.004	0.010	0.007	✓	2	<0.002	<0.002	<0.002	✓	2	8.00	8.14	8.07	✓	2	1.6	1.7	1.7	✓
South Perth/Kewdale	4	0.010	0.070	0.040	✓	4	<0.002	0.012	0.007	✓	4	7.66	7.97	7.80	✓	4	16.0	18.0	17.0	✓
Tamworth Hill	2	<0.003	0.004	<0.003	✓	2	<0.002	<0.002	<0.002	✓	2	8.12	8.34	8.23	✓	2	0.7	0.8	0.8	✓
Thomsons Lake	5	<0.003	0.030	0.014	✓	5	0.002	0.030	0.009	✓	5	7.52	8.00	7.85	✓	5	1.8	6.9	4.9	✓
Two Rocks	4	<0.003	0.006	0.004	✓	4	<0.002	<0.002	<0.002	✓	4	7.54	7.70	7.59	✓	4	11.0	12.0	11.5	✓
Wanneroo	5	0.006	0.025	0.013	✓	5	0.002	0.007	0.004	✓	5	7.09	7.76	7.43	✓	5	17.0	19.0	18.2	✓
West Yokine	5	0.015	0.035	0.025	✓	5	<0.002	0.008	0.005	✓	5	7.28	7.92	7.53	✓	5	15.0	18.0	16.2	✓
Whitfords	2	0.010	0.040	0.025	✓	2	0.004	0.014	0.009	✓	2	7.63	7.79	7.71	✓	2	17.0	18.0	17.5	✓
Yanchep	5	0.008	0.050	0.017	✓	5	0.003	0.020	0.007	✓	5	7.27	7.90	7.64	✓	5	18.0	20.0	19.0	✓

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Table 5

Perth Region	Aesthetic (non-health related) variables																								
	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	Min		Max	Mean		
Armadale/Kelmscott	3	87	100	96	✓	3	17	19	18	✓	3	350	416	391	✓	3	<1	<1	<1	✓	3	0.1	0.4	0.2	✓
Bold Park	2	51	85	68	✓	2	9	15	12	✓	2	220	352	286	✓	2	<1	<1	<1	✓	2	<0.1	0.1	<0.1	✓
Buckland Hill	5	56	125	103	✓	5	9	19	15	✓	5	234	488	396	✓	5	<1	<1	<1	✓	5	<0.1	0.3	0.2	✓
Dwellingup	2	32	38	35	✓	2	9	10	9	✓	2	131	152	142	✓	2	<1	1	<1	✓	2	0.3	0.4	0.4	✓
Foothills	2	89	125	107	✓	2	17	23	20	✓	2	366	493	430	✓	2	<1	2	<1	✓	2	0.5	0.7	0.6	✓
Greenmount	5	97	130	113	✓	5	20	23	22	✓	5	443	575	488	✓	5	<1	<1	<1	✓	5	<0.1	0.2	<0.1	✓
Greenmount/Darlington	2	77	99	88	✓	2	16	18	17	✓	2	330	425	378	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Hamilton Hill	2	94	105	100	✓	2	17	21	19	✓	2	375	434	405	✓	2	<1	<1	<1	✓	2	<0.1	0.2	<0.1	✓
Hills Direct	5	31	49	40	✓	5	5	9	7	✓	5	142	219	183	✓	5	<1	<1	<1	✓	5	0.1	0.4	0.3	✓
Lexia	2	47	98	73	✓	2	23	55	39	✓	2	435	495	465	✓	2	<1	2	<1	✓	2	<0.1	0.3	0.2	✓
Mandurah	4	20	24	22	✓	4	1	4	2	✓	4	141	153	147	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Melville	4	87	105	94	✓	4	10	12	11	✓	4	324	386	356	✓	4	<1	<1	<1	✓	4	0.2	0.4	0.3	✓
Mirrabooka	4	91	125	109	✓	4	54	68	64	✓	4	463	527	495	✓	4	<1	<1	<1	✓	4	<0.1	0.3	0.2	✓
Mt. Eliza	4	105	145	118	✓	4	13	20	16	✓	4	385	528	444	✓	4	<1	<1	<1	✓	4	<0.1	0.3	0.2	✓
Mt. Hawthorn	4	120	140	126	✓	4	24	33	29	✓	4	549	591	564	✓	4	<1	<1	<1	✓	4	<0.1	0.3	<0.1	✓
Mt. Yokine	4	125	140	130	✓	4	22	30	27	✓	4	553	567	560	✓	4	<1	<1	<1	✓	4	<0.1	0.1	<0.1	✓
Mundaring	2	110	115	113	✓	2	29	30	30	✓	2	454	480	467	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Neerabup	4	89	100	93	✓	4	14	17	15	✓	4	559	619	584	✓	4	<1	<1	<1	✓	4	0.1	1.4	0.5	✓
North Dandalup	2	36	39	38	✓	2	8	10	9	✓	2	148	162	155	✓	2	<1	<1	<1	✓	2	0.2	0.4	0.3	✓
Pinjarra	2	22	24	23	✓	2	3	4	3	✓	2	151	157	154	✓	2	<1	<1	<1	✓	2	<0.1	0.2	<0.1	✓
South Perth/Kewdale	4	115	130	125	✓	4	22	28	25	✓	4	519	568	542	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Tamworth Hill	2	19	21	20	✓	2	1	1	1	✓	2	139	139	139	✓	2	<1	<1	<1	✓	2	0.1	0.3	0.2	✓
Thomsons Lake	5	29	150	105	✓	5	5	30	20	✓	5	156	578	431	✓	5	<1	<1	<1	✓	5	<0.1	0.5	0.2	✓
Two Rocks	4	55	59	57	✓	4	15	17	16	✓	4	519	550	535	✓	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓
Wanneroo	5	88	94	92	✓	5	18	24	21	✓	5	464	491	479	✓	5	<1	<1	<1	✓	5	0.1	0.2	0.2	✓
West Yokine	5	100	125	116	✓	5	26	55	39	✓	5	518	546	531	✓	5	<1	<1	<1	✓	5	<0.1	0.2	<0.1	✓
Whitfords	2	91	95	93	✓	2	22	23	23	✓	2	459	476	468	✓	2	<1	<1	<1	✓	2	0.1	0.2	0.2	✓
Yanchep	5	77	85	82	✓	5	13	15	14	✓	5	559	605	576	✓	5	<1	<1	<1	✓	5	<0.1	0.6	0.3	✓