

Drinking Water Quality Annual Report Data 01/07/2015 to 30/06/2016

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	4	57	81	70	(1)	4	0.018	0.030	0.023	✓	4	125	165	143	✓	4	62	82	71	✓
Bold Park	4	74	97	87	(1)	4	0.020	0.035	0.028	✓	4	100	115	110	✓	4	55	70	62	✓
Buckland Hill	4	61	106	86	(1)	4	0.020	0.030	0.025	✓	4	55	210	159	✓	4	55	69	64	✓
Dwellingup	5	12	20	16	(1)	5	0.012	0.020	0.014	✓	5	70	80	75	✓	5	32	40	36	✓
Foothills	4	58	95	84	(1)	4	0.020	0.025	0.023	✓	4	95	170	138	✓	4	56	92	77	✓
Greenmount	4	97	172	134	(1)	4	0.014	0.025	0.018	✓	4	145	195	175	✓	4	87	100	94	✓
Greenmount/Darlington	4	88	130	99	(1)	4	0.018	0.025	0.022	✓	4	135	170	149	✓	4	72	83	79	✓
Hamilton Hill	5	50	78	69	(1)	5	0.020	0.030	0.028	✓	5	22	145	92	✓	5	48	75	63	✓
Hills Direct	9	47	75	60	(1)	9	0.025	0.050	0.034	✓	9	31	90	55	✓	9	51	63	56	✓
Lexia	5	94	176	123	(1)	5	0.020	0.030	0.026	✓	5	70	100	84	✓	5	94	160	128	✓
Mandurah	12	46	77	69	(1)	12	0.035	0.045	0.040	✓	12	31	50	39	✓	12	45	62	58	✓
Melville	5	47	96	73	(1)	5	0.018	0.040	0.030	✓	5	44	210	115	✓	5	46	59	55	✓
Mirrabooka	5	44	88	71	(1)	5	0.030	0.055	0.038	✓	5	170	210	186	✓	5	120	130	128	✓
Mt. Eliza	2	76	99	88	(1)	2	0.025	0.030	0.028	✓	2	155	195	175	✓	2	62	68	65	✓
Mt. Hawthorn	5	127	169	144	(1)	5	0.014	0.018	0.016	✓	5	135	195	170	✓	5	83	110	94	✓
Mt. Yokine	5	134	150	140	(1)	5	0.010	0.020	0.016	✓	5	140	195	167	✓	5	79	100	90	✓
Mundaring	5	78	83	80	(1)	5	0.060	0.120	0.085	✓	5	125	150	137	✓	5	77	84	81	✓
Neerabup	5	166	219	197	(1)	5	0.014	0.020	0.017	✓	5	105	125	118	✓	5	170	190	176	✓
North Dandalup	5	20	67	38	(1)	5	0.018	0.035	0.025	✓	5	44	75	61	✓	5	40	58	46	✓
Pinjarra	5	42	75	61	(1)	5	0.018	0.060	0.040	✓	5	32	46	42	✓	5	40	61	53	✓
South Perth/Kewdale	4	62	136	91	(1)	4	0.018	0.035	0.025	✓	4	85	190	135	✓	4	59	100	77	✓
Tamworth Hill	5	42	74	62	(1)	5	0.014	0.045	0.033	✓	5	34	45	43	✓	5	42	59	54	✓
Thomsons Lake	5	46	112	82	(1)	4	0.018	0.020	0.020	✓	5	21	215	133	✓	5	50	99	76	✓
Two Rocks	4	227	241	235	(1)	4	0.012	0.014	0.013	✓	4	105	105	105	✓	4	220	230	223	(2)
Wanneroo	4	78	114	101	(1)	4	0.018	0.020	0.019	✓	4	90	165	115	✓	4	65	110	94	✓
West Yokine	4	134	161	149	(1)	4	0.016	0.025	0.020	✓	4	175	190	181	✓	4	88	110	95	✓
Whitfords	4	93	146	118	(1)	4	0.018	0.025	0.023	✓	4	95	175	118	✓	4	99	120	107	✓
Yanchep	4	230	241	236	(1)	4	<0.008	0.014	0.009	✓	4	105	110	106	✓	4	220	230	225	(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	4	0.020	0.045	0.033	✓	4	0.002	0.008	0.004	✓	4	7.60	7.86	7.75	✓	4	2.6	4.2	3.5	✓
Bold Park	4	0.050	0.100	0.065	✓	4	0.003	0.010	0.005	✓	4	7.89	7.97	7.92	✓	4	5.4	7.1	6.5	✓
Buckland Hill	4	0.050	0.090	0.070	✓	4	0.003	0.014	0.007	✓	4	7.83	8.24	8.04	✓	4	1.3	7.3	5.2	✓
Dwellingup	5	0.045	0.080	0.061	✓	5	<0.002	0.009	0.004	✓	5	6.93	7.21	7.09	✓	5	1.8	2.2	2.0	✓
Foothills	4	0.025	0.080	0.043	✓	4	0.004	0.007	0.005	✓	4	7.87	8.14	7.97	✓	4	3.3	10	6.4	✓
Greenmount	4	0.008	0.035	0.020	✓	4	<0.002	<0.002	<0.002	✓	4	8.16	8.62	8.35	✓	4	11	18	15.3	✓
Greenmount/Darlington	4	0.010	0.035	0.028	✓	4	0.003	0.005	0.004	✓	4	8.10	8.25	8.17	✓	4	5.5	12	7.6	✓
Hamilton Hill	5	0.010	0.035	0.020	✓	5	<0.002	0.004	0.003	✓	5	7.77	8.21	8.00	✓	5	0.9	3.8	2.6	✓
Hills Direct	9	0.004	0.070	0.021	✓	9	<0.002	0.018	0.004	✓	9	7.67	8.22	7.97	✓	9	0.8	2.7	1.8	✓
Lexia	5	0.008	0.015	0.011	✓	5	<0.002	0.010	0.004	✓	5	6.95	8.42	7.70	✓	5	1.3	20	16.8	✓
Mandurah	12	0.004	0.020	0.008	✓	12	<0.002	0.004	<0.002	✓	12	7.83	8.51	8.22	✓	12	0.8	2.7	1.2	✓
Melville	5	0.015	0.040	0.028	✓	5	<0.002	0.008	0.004	✓	5	7.50	8.28	7.97	✓	5	1	6.8	3.7	✓
Mirrabooka	5	0.015	0.050	0.034	✓	5	<0.002	0.003	<0.002	✓	5	6.97	7.59	7.29	✓	5	14	17	15.0	✓
Mt. Eliza	2	0.070	0.080	0.075	✓	2	0.009	0.014	0.012	✓	2	7.92	7.95	7.94	✓	2	4.2	6	5.1	✓
Mt. Hawthorn	5	0.030	0.140	0.055	✓	5	0.003	0.009	0.004	✓	5	7.77	8.18	7.94	✓	5	17	19	18.2	✓
Mt. Yokine	5	0.015	0.060	0.034	✓	5	<0.002	0.006	0.003	✓	5	7.75	8.01	7.89	✓	5	14	19	16.8	✓
Mundaring	5	<0.003	0.004	<0.003	✓	5	<0.002	<0.002	<0.002	✓	5	8.12	8.35	8.26	✓	5	3.7	4.9	4.2	✓
Neerabup	5	0.008	0.025	0.015	✓	5	<0.002	<0.002	<0.002	✓	5	7.90	8.04	7.96	✓	5	19	21	20.4	✓
North Dandalup	5	0.030	0.060	0.043	✓	5	<0.002	0.005	0.003	✓	5	7.60	8.53	8.10	✓	5	1.3	3	2.0	✓
Pinjarra	5	0.008	0.025	0.014	✓	5	<0.002	0.005	<0.002	✓	5	7.71	8.28	8.08	✓	5	1	3.2	1.9	✓
South Perth/Kewdale	4	0.020	0.090	0.055	✓	4	0.003	0.014	0.007	✓	4	7.66	8.04	7.80	✓	4	3.5	17	9.3	✓
Tamworth Hill	5	0.006	0.025	0.014	✓	5	<0.002	0.004	<0.002	✓	5	7.60	8.24	7.96	✓	5	0.8	3.3	1.8	✓
Thomsons Lake	5	<0.003	0.025	0.009	✓	5	<0.002	0.007	0.004	✓	5	7.79	8.22	8.02	✓	5	1.6	6	4.2	✓
Two Rocks	4	<0.003	<0.003	<0.003	✓	4	<0.002	<0.002	<0.002	✓	4	7.47	7.63	7.54	✓	4	12	13	12.3	✓
Wanneroo	4	0.004	0.008	0.007	✓	4	<0.002	0.006	0.003	✓	4	7.51	7.59	7.54	✓	4	18	19	18.3	✓
West Yokine	4	0.025	0.140	0.081	✓	4	0.002	0.009	0.005	✓	4	7.87	8.14	7.96	✓	4	17	19	18.0	✓
Whitfords	4	0.004	0.015	0.009	✓	4	<0.002	0.005	<0.002	✓	4	7.68	8.18	7.91	✓	4	17	19	18.0	✓
Yanchep	4	<0.003	<0.003	<0.003	✓	4	<0.002	<0.002	<0.002	✓	4	7.51	7.67	7.59	✓	4	15	16	15.5	✓

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Table 5 Aesthetic (Non-health related) Variables

Perth Region	Sodium				TDS				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	4	72	100	84	✓	4	304	407	348	✓	4	<1	<1	<1	✓	4	0.3	0.5	0.4	✓
Bold Park	4	65	73	70	✓	4	279	329	311	✓	4	<1	<1	<1	✓	4	0.1	0.4	0.2	✓
Buckland Hill	4	32	135	99	✓	4	175	509	390	✓	4	<1	<1	<1	✓	4	<0.1	0.3	0.2	✓
Dwellingup	5	38	44	41	✓	5	152	181	168	✓	5	<1	3	<1	✓	5	0.3	0.9	0.5	✓
Foothills	4	54	110	87	✓	4	244	443	367	✓	4	<1	<1	<1	✓	4	<0.1	0.4	0.2	✓
Greenmount	4	96	145	122	✓	4	453	592	516	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Greenmount/Darlington	4	80	105	97	✓	4	354	443	406	✓	4	<1	<1	<1	✓	4	0.1	0.3	0.2	✓
Hamilton Hill	5	12	88	55	✓	5	123	364	257	✓	5	<1	<1	<1	✓	5	<0.1	0.3	0.2	✓
Hills Direct	9	18	49	31	✓	9	147	221	177	✓	9	<1	<1	<1	✓	9	<0.1	0.4	0.2	✓
Lexia	5	33	68	51	✓	5	343	438	366	✓	5	<1	2	<1	✓	5	<0.1	0.4	0.2	✓
Mandurah	12	17	30	24	✓	12	143	177	160	✓	12	<1	<1	<1	✓	12	<0.1	0.2	<0.1	✓
Melville	5	25	145	76	✓	5	142	492	301	✓	5	<1	<1	<1	✓	5	0.1	0.3	0.2	✓
Mirrabooka	5	92	120	103	✓	5	463	524	485	✓	5	<1	<1	<1	✓	5	<0.1	0.2	<0.1	✓
Mt. Eliza	2	96	120	108	✓	2	370	465	418	✓	2	<1	<1	<1	✓	2	0.3	0.6	0.5	✓
Mt. Hawthorn	5	100	140	121	✓	5	453	567	526	✓	5	<1	<1	<1	✓	5	0.1	0.2	0.1	✓
Mt. Yokine	5	95	135	116	✓	5	456	564	506	✓	5	<1	<1	<1	✓	5	0.1	0.2	0.2	✓
Mundaring	5	69	94	82	✓	5	332	388	362	✓	5	<1	<1	<1	✓	5	<0.1	0.2	<0.1	✓
Neerabup	5	62	71	68	✓	5	468	538	496	✓	5	<1	<1	<1	✓	5	0.2	0.5	0.3	✓
North Dandalup	5	24	40	34	✓	5	147	178	164	✓	5	<1	2	<1	✓	5	0.3	0.7	0.4	✓
Pinjarra	5	19	28	25	✓	5	139	171	156	✓	5	<1	<1	<1	✓	5	<0.1	0.2	<0.1	✓
South Perth/Kewdale	4	52	125	84	✓	4	241	540	374	✓	4	<1	<1	<1	✓	4	0.2	0.4	0.3	✓
Tamworth Hill	5	19	28	25	✓	5	138	168	158	✓	5	<1	<1	<1	✓	5	0.1	0.4	0.2	✓
Thomsons Lake	5	13	135	83	✓	5	120	529	351	✓	5	<1	<1	<1	✓	5	0.1	0.3	0.1	✓
Two Rocks	4	57	59	58	✓	4	509	522	518	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Wanneroo	4	57	99	70	✓	4	293	461	370	✓	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓
West Yokine	4	115	135	125	✓	4	523	564	546	✓	4	<1	<1	<1	✓	4	0.1	0.5	0.3	✓
Whitfords	4	59	110	74	✓	4	346	490	399	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Yanchep	4	51	53	52	✓	4	511	516	514	✓	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓