

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

Table 18 Aesthetic (Non-health related) Variables

South West 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					
		Min	Max	Mean			Min	Max	Mean			Min	Max	Mean						
Allanson	2	9	14	12	(1)	2	0.008	0.014	0.011	✓	2	65	80	73	✓	2	34	41	38	✓
Augusta	2	49	72	61	(1)	2	<0.008	<0.008	<0.008	✓	2	135	145	140	✓	2	85	110	98	✓
Australind	9	100	140	126	(1)	9	<0.008	<0.008	<0.008	✓	9	145	170	161	✓	9	78	120	96	✓
Balingup	2	98	120	109	(1)	2	<0.008	0.020	0.010	✓	2	95	100	98	✓	2	120	140	130	✓
Binningup	2	36	36	36	(1)	2	0.010	0.012	0.011	✓	2	55	60	58	✓	2	53	57	55	✓
Boyanup	4	110	120	118	(1)	4	<0.008	<0.008	<0.008	✓	4	90	100	96	✓	4	99	110	102	✓
Boyup Brook	2	97	120	109	(1)	2	0.012	0.014	0.013	✓	2	100	120	110	✓	2	120	140	130	✓
Bridgetown	4	92	120	108	(1)	4	<0.008	0.030	0.018	✓	4	95	110	103	✓	4	110	140	123	✓
Brunswick Junction	2	120	150	135	(1)	2	<0.008	<0.008	<0.008	✓	2	170	170	170	✓	2	79	84	82	✓
Capel	4	69	79	74	(1)	4	<0.008	<0.008	<0.008	✓	4	60	60	60	✓	4	45	49	48	✓
Collie	4	10	14	11	(1)	4	<0.008	0.014	0.010	✓	4	70	75	74	✓	4	33	37	35	✓
Cowaramup	4	27	43	37	(1)	4	0.010	0.025	0.020	✓	4	90	95	91	✓	4	36	41	38	✓
Dalyellup	2	130	150	140	(1)	2	<0.008	<0.008	<0.008	✓	2	100	165	133	✓	2	76	88	82	✓
Dardanup	2	54	63	59	(1)	2	<0.008	<0.008	<0.008	✓	2	90	90	90	✓	2	28	28	28	✓
Darkan	2	16	17	17	(1)	2	0.010	0.014	0.012	✓	2	75	80	78	✓	2	46	46	46	✓
Donnybrook	2	77	90	84	(1)	2	0.075	0.220	0.148	✓	2	195	230	213	✓	2	89	97	93	✓
Dunsborough	3	140	160	150	(1)	3	<0.008	<0.008	<0.008	✓	3	150	185	170	✓	3	72	74	73	✓
Eaton	2	110	110	110	(1)	2	<0.008	<0.008	<0.008	✓	2	135	135	135	✓	2	120	120	120	✓
Greenbushes	2	100	110	105	(1)	2	<0.008	0.016	<0.008	✓	2	100	105	103	✓	2	120	120	120	✓
Harvey	2	38	41	40	(1)	2	0.010	0.012	0.011	✓	2	39	55	47	✓	2	45	53	49	✓
Hester TWS	4	96	120	114	(1)	4	<0.008	0.025	0.013	✓	4	90	125	106	✓	4	110	130	125	✓
Kirup	4	96	120	107	(1)	4	0.008	0.040	0.030	✓	4	95	110	104	✓	4	120	140	128	✓
Logue Brook	2	52	60	56	(1)	2	0.050	0.050	0.050	✓	2	65	90	78	✓	2	55	61	58	✓
Manjimup	2	56	61	59	(1)	2	0.030	0.045	0.038	✓	2	85	100	93	✓	2	94	94	94	✓
Margaret River	4	27	43	37	(1)	4	0.010	0.025	0.018	✓	4	90	95	91	✓	4	36	45	40	✓
Mullalyup	4	100	120	108	(1)	4	<0.008	0.030	0.014	✓	4	100	105	103	✓	4	110	130	123	✓
Myalup	2	37	40	39	(1)	2	0.010	0.012	0.011	✓	2	60	60	60	✓	2	56	64	60	✓
Nannup	2	27	32	30	(1)	2	<0.008	0.018	0.009	✓	2	65	75	70	✓	2	74	89	82	✓
Northcliffe	2	38	55	47	(1)	2	0.030	0.030	0.030	✓	2	85	85	85	✓	2	53	81	67	✓
Pemberton	2	23	24	24	(1)	2	0.012	0.025	0.019	✓	2	90	95	93	✓	2	54	56	55	✓
Peppermint Grove	2	85	86	86	(1)	2	<0.008	<0.008	<0.008	✓	2	60	65	63	✓	2	53	55	54	✓
Preston Beach	4	270	290	283	(1)	4	<0.008	<0.008	<0.008	✓	4	165	190	176	✓	4	310	310	310	(2)
Quinninup	2	50	58	54	(1)	2	0.025	0.045	0.035	✓	2	85	95	90	✓	2	82	99	91	✓
Waroona	2	41	53	47	(1)	2	0.010	0.025	0.018	✓	2	36	55	46	✓	2	58	64	61	✓
Yarloop	2	43	45	44	(1)	2	0.010	0.020	0.015	✓	2	40	40	40	✓	2	50	51	51	✓

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

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

Table 19 Aesthetic (Non-health related) Variables																				
South West 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	
Allanson	2	0.045	0.060	0.053	✓	2	0.012	0.014	0.013	✓	2	6.66	6.73	6.70	✓	2	1.5	1.9	1.7	✓
Augusta	2	0.050	0.180	0.115	✓	2	0.004	0.006	0.005	✓	2	7.16	7.54	7.35	✓	2	13.0	15.0	14.0	✓
Australind	9	0.015	0.060	0.031	✓	9	<0.002	0.005	<0.002	✓	9	7.00	8.22	7.65	✓	9	20.0	50.0	36.7	✓
Balingup	2	0.030	0.120	0.075	✓	2	0.003	0.004	0.004	✓	2	8.01	8.23	8.12	✓	2	4.2	15.0	9.6	✓
Binningup	2	0.020	0.045	0.033	✓	2	0.005	0.018	0.012	✓	2	7.43	7.49	7.46	✓	2	5.6	5.8	5.7	✓
Boyanup	4	0.010	0.030	0.023	✓	4	<0.002	0.002	<0.002	✓	4	6.85	7.94	7.37	✓	4	18.0	19.0	18.3	✓
Boyup Brook	2	0.030	0.050	0.040	✓	2	0.004	0.009	0.007	✓	2	7.82	8.10	7.96	✓	2	0.9	2.4	1.7	✓
Bridgetown	4	0.015	0.070	0.048	✓	4	<0.002	0.018	0.008	✓	4	7.52	8.11	7.80	✓	4	2.7	6.6	4.8	✓
Brunswick Junction	2	0.010	0.020	0.015	✓	2	<0.002	0.003	<0.002	✓	2	7.87	7.92	7.90	✓	2	45.0	50.0	47.5	✓
Capel	4	0.060	0.070	0.065	✓	4	<0.002	<0.002	<0.002	✓	4	6.57	6.94	6.81	✓	4	14.0	15.0	14.3	✓
Collie	4	0.020	0.120	0.065	✓	4	0.004	0.014	0.011	✓	4	6.45	6.72	6.65	✓	4	1.4	3.1	2.3	✓
Cowaramup	4	0.060	0.180	0.115	✓	4	0.004	0.008	0.006	✓	4	7.48	7.67	7.59	✓	4	7.0	7.7	7.4	✓
Dalyellup	2	0.045	0.060	0.053	✓	2	0.006	0.010	0.008	✓	2	7.67	7.73	7.70	✓	2	15.0	16.0	15.5	✓
Dardanup	2	0.006	0.010	0.008	✓	2	<0.002	<0.002	<0.002	✓	2	7.28	7.32	7.30	✓	2	19.0	20.0	19.5	✓
Darkan	2	0.050	0.060	0.055	✓	2	0.008	0.010	0.009	✓	3	7.20	7.43	7.29	✓	2	2.6	3.2	2.9	✓
Donnybrook	2	0.006	0.010	0.008	✓	2	<0.002	0.006	0.003	✓	2	7.20	7.29	7.25	✓	2	9.3	13.0	11.2	✓
Dunsborough	3	0.004	0.015	0.008	✓	3	<0.002	<0.002	<0.002	✓	3	8.25	8.31	8.28	✓	3	16.0	16.0	16.0	✓
Eaton	2	0.050	0.060	0.055	✓	2	<0.002	<0.002	<0.002	✓	2	7.23	7.42	7.33	✓	2	27.0	29.0	28.0	✓
Greenbushes	2	0.035	0.035	0.035	✓	2	0.003	0.005	0.004	✓	2	7.90	7.98	7.94	✓	2	3.2	4.0	3.6	✓
Harvey	2	0.025	0.030	0.028	✓	2	0.004	0.008	0.006	✓	2	7.37	7.47	7.42	✓	2	2.7	5.5	4.1	✓
Hester TWS	4	0.025	0.060	0.044	✓	4	0.004	0.010	0.006	✓	4	7.79	8.31	8.15	✓	4	1.6	4.1	2.5	✓
Kirup	4	0.015	0.050	0.030	✓	4	<0.002	0.005	<0.002	✓	4	7.95	8.25	8.16	✓	4	3.4	7.8	5.3	✓
Logue Brook	2	0.035	0.040	0.038	✓	2	<0.002	0.012	0.006	✓	2	7.52	7.74	7.63	✓	2	4.2	7.5	5.9	✓
Manjimup	2	0.030	0.060	0.045	✓	2	0.006	0.016	0.011	✓	2	7.92	8.24	8.08	✓	2	6.3	7.1	6.7	✓
Margaret River	4	0.060	0.180	0.115	✓	4	0.004	0.008	0.006	✓	4	7.27	7.63	7.48	✓	4	6.8	7.9	7.4	✓
Mullalyup	4	0.020	0.025	0.021	✓	4	<0.002	0.004	<0.002	✓	4	7.88	8.03	7.95	✓	4	4.0	17.0	7.4	✓
Myalup	2	0.040	0.050	0.045	✓	2	0.003	0.016	0.010	✓	2	7.37	7.90	7.64	✓	2	5.8	6.0	5.9	✓
Nannup	2	0.015	0.035	0.025	✓	2	<0.002	<0.002	<0.002	✓	2	7.16	7.43	7.30	✓	2	2.7	8.9	5.8	✓
Northcliffe	2	0.010	0.025	0.018	✓	2	0.003	0.012	0.008	✓	2	7.69	7.86	7.78	✓	2	4.5	6.9	5.7	✓
Pemberton	2	0.015	0.015	0.015	✓	2	<0.002	<0.002	<0.002	✓	2	7.54	7.60	7.57	✓	2	4.6	5.3	5.0	✓
Peppermint Grove	2	0.035	0.050	0.043	✓	2	<0.002	<0.002	<0.002	✓	2	6.93	7.55	7.24	✓	2	14.0	15.0	14.5	✓
Preston Beach	4	0.008	0.010	0.010	✓	4	<0.002	<0.002	<0.002	✓	4	8.00	8.28	8.16	✓	4	16.0	16.0	16.0	✓
Quinninup	2	0.030	0.035	0.033	✓	2	0.002	0.010	0.006	✓	2	7.89	8.26	8.08	✓	2	6.5	7.0	6.8	✓
Waroona	2	0.006	0.008	0.007	✓	2	<0.002	<0.002	<0.002	✓	2	7.59	7.77	7.68	✓	2	3.0	5.5	4.3	✓
Yarloop	2	0.010	0.015	0.013	✓	2	<0.002	<0.002	<0.002	✓	2	7.96	7.98	7.97	✓	2	2.5	3.3	2.9	✓

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

Table 20 Aesthetic (Non-health related) Variables

South West 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	
Allanson	2	36	43	40	✓	2	149	178	164	✓	2	<1	<1	<1	✓	2	0.3	0.5	0.4	✓
Augusta	2	71	75	73	✓	2	344	369	357	✓	2	<1	<1	<1	✓	2	<0.1	0.8	0.4	✓
Australind	9	97	130	112	✓	9	501	557	525	✓	9	<1	2	<1	✓	9	<0.1	0.3	<0.1	✓
Balingup	2	49	49	49	✓	2	338	386	362	✓	2	<1	<1	<1	✓	2	0.3	0.3	0.3	✓
Binningup	2	32	32	32	✓	2	169	176	173	✓	2	<1	<1	<1	✓	2	0.3	0.4	0.4	✓
Boyanup	4	58	62	60	✓	4	370	391	383	✓	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓
Boyup Brook	2	52	61	57	✓	2	338	400	369	✓	2	<1	2	<1	✓	2	0.3	0.4	0.4	✓
Bridgetown	4	48	57	52	✓	4	334	388	361	✓	4	<1	<1	<1	✓	4	0.1	0.9	0.5	✓
Brunswick Junction	2	120	130	125	✓	2	532	577	555	✓	2	<1	<1	<1	✓	2	<0.1	0.1	<0.1	✓
Capel	4	44	47	46	✓	4	254	267	260	✓	4	<1	<1	<1	✓	4	0.1	0.3	0.2	✓
Collie	4	37	39	39	✓	4	153	168	160	✓	4	1	3	2	✓	4	0.2	1	0.5	✓
Cowaramup	4	48	51	50	✓	4	221	248	236	✓	4	<1	4	2	✓	4	0.2	0.5	0.4	✓
Dalyellup	2	79	125	102	✓	2	418	549	484	✓	2	<1	<1	<1	✓	2	0.2	0.3	0.3	✓
Dardanup	2	64	65	65	✓	2	257	273	265	✓	2	<1	<1	<1	✓	2	<0.1	0.1	<0.1	✓
Darkan	2	39	40	40	✓	2	176	184	180	✓	2	<1	1	<1	✓	2	0.3	0.4	0.4	✓
Donnybrook	2	130	150	140	✓	2	482	562	522	✓	2	<1	<1	<1	✓	2	<0.1	0.2	<0.1	✓
Dunsborough	3	145	160	155	✓	3	570	628	600	✓	3	<1	<1	<1	✓	3	<0.1	0.3	0.2	✓
Eaton	2	70	76	73	✓	2	438	442	440	✓	2	<1	<1	<1	✓	2	0.2	0.2	0.2	✓
Greenbushes	2	51	54	53	✓	2	356	357	357	✓	2	<1	<1	<1	✓	2	0.1	0.3	0.2	✓
Harvey	2	22	32	27	✓	2	135	172	154	✓	2	<1	<1	<1	✓	2	0.1	0.2	0.2	✓
Hester TWS	4	49	63	55	✓	4	323	401	368	✓	4	<1	2	<1	✓	4	0.2	0.5	0.4	✓
Kirup	4	51	58	54	✓	4	344	398	366	✓	4	<1	<1	<1	✓	4	0.1	0.4	0.3	✓
Logue Brook	2	40	52	46	✓	2	203	260	232	✓	2	<1	<1	<1	✓	2	0.2	0.2	0.2	✓
Manjimup	2	44	52	48	✓	2	276	299	288	✓	2	<1	2	<1	✓	2	0.2	0.2	0.2	✓
Margaret River	4	48	55	51	✓	4	219	260	240	✓	4	1	4	3	✓	4	0.2	0.6	0.4	✓
Mullalyup	4	49	56	52	✓	4	340	388	363	✓	4	<1	<1	<1	✓	4	0.1	0.2	0.2	✓
Myalup	2	29	33	31	✓	2	178	179	179	✓	2	<1	<1	<1	✓	2	0.2	0.2	0.2	✓
Nannup	2	50	58	54	✓	2	266	308	287	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Northcliffe	2	50	58	54	✓	2	258	280	269	✓	2	<1	<1	<1	✓	2	0.1	0.4	0.3	✓
Pemberton	2	61	63	62	✓	2	258	270	264	✓	2	<1	<1	<1	✓	2	<0.1	0.1	<0.1	✓
Peppermint Grove	2	45	46	46	✓	2	276	279	278	✓	2	<1	<1	<1	✓	2	0.1	0.2	0.2	✓
Preston Beach	4	93	110	103	✓	4	772	806	787	(1)	4	<1	<1	<1	✓	4	<0.1	0.1	<0.1	✓
Quinninup	2	51	53	52	✓	2	277	301	289	✓	2	<1	<1	<1	✓	2	0.3	0.4	0.4	✓
Waroona	2	18	27	23	✓	2	147	175	161	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Yarloop	2	24	25	25	✓	2	143	148	146	✓	2	<1	<1	<1	✓	2	0.1	0.2	0.2	✓

(1) Elevated TDS is characteristic of the source supplying this locality.