

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

Table 21 Health related variables

Great Southern Region	E. coli			Thermophilic Naegleria			Fluoride				Hydrocarbons		Metals			
	Samples Taken	Samples >0 cfu/100mL	Max cfu/100mL	Requirement Met	Samples Taken	Samples with Thermophilic Naegleria	Requirement Met	Concentration (mg/L)			Guideline Met	Samples Taken	Guideline Met	Samples Taken	Guideline Met	
								Min	Max	Mean						
Albany	169	0	0	✓	169	0	✓	52	0.70	0.90	0.78	(2)	0	(1)	8	✓
Boddington	52	0	0	✓	52	0	✓	4	0.70	0.90	0.79	(2)	0	(1)	2	✓
Borden	12	0	0	✓	8	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Bremer Bay	52	0	0	✓	35	0	✓	5	0.50	0.55	0.54	✓	0	(1)	2	✓
Brookton	52	0	0	✓	52	0	✓	4	0.75	0.90	0.84	(2)	0	(1)	2	✓
Broomehill	12	0	0	✓	12	0	✓	4	0.80	0.90	0.84	(2)	0	(1)	2	✓
Bullaring	12	0	0	✓	12	0	✓	4	0.80	0.90	0.84	(2)	0	(1)	2	✓
Condungup	12	0	0	✓	8	0	✓	2	0.30	0.30	0.30	✓	0	(1)	2	✓
Cranbrook	12	0	0	✓	8	0	✓	2	0.10	0.10	0.10	✓	0	(1)	2	✓
Cuballing	12	0	0	✓	12	0	✓	4	0.70	0.85	0.79	(2)	0	(1)	2	✓
Denmark	65	0	0	✓	44	0	✓	3	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Dudin	12	0	0	✓	12	0	✓	4	0.75	0.85	0.80	(2)	1	✓	2	✓
Dumbleyung	12	0	0	✓	12	0	✓	4	0.80	0.90	0.84	(2)	0	(1)	2	✓
Esperance	91	0	0	✓	68	0	✓	52	0.70	0.90	0.81	(2)	2	✓	4	✓
Frankland	12	0	0	✓	8	0	✓	2	<0.1	<0.1	<0.1	✓	2	✓	2	✓
Gibson	12	0	0	✓	8	0	✓	2	0.30	0.35	0.33	✓	0	(1)	2	✓
Gnowangerup	52	0	0	✓	52	0	✓	4	0.80	0.90	0.85	(2)	0	(3)	2	✓
Grass Patch	12	0	0	✓	8	0	✓	4	0.80	0.85	0.83	(2)	0	(1)	2	✓
Harrismith	12	0	0	✓	12	0	✓	4	0.85	0.95	0.88	(2)	0	(1)	2	✓
Highbury	12	0	0	✓	12	0	✓	4	0.75	0.90	0.83	(2)	0	(1)	2	✓
Hopetoun	52	0	0	✓	35	0	✓	2	0.10	0.10	0.10	✓	0	(1)	2	✓
Hyden	12	0	0	✓	12	0	✓	4	0.70	0.90	0.80	(2)	1	✓	2	✓
Jerramungup	12	0	0	✓	8	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Karlgarin	12	0	0	✓	12	0	✓	4	0.70	0.85	0.79	(2)	0	(1)	2	✓
Katanning	65	0	0	✓	65	0	✓	52	0.75	0.95	0.83	(2)	0	(1)	2	✓
Kendenup	12	0	0	✓	7	0	✓	4	0.65	0.85	0.78	(2)	2	✓	2	✓
Kojonup	52	0	0	✓	52	0	✓	4	0.80	0.90	0.86	(2)	0	(1)	2	✓
Kondinin	12	0	0	✓	12	0	✓	4	0.80	0.85	0.84	(2)	1	✓	2	✓
Kukerin	12	0	0	✓	12	0	✓	4	0.75	0.85	0.80	(2)	0	(1)	2	✓
Kulin	12	0	0	✓	12	0	✓	4	0.85	0.90	0.86	(2)	1	✓	2	✓
Lake Grace	52	0	0	✓	52	0	✓	4	0.70	0.85	0.81	(2)	0	(1)	2	✓
Lake King	12	0	0	✓	12	0	✓	4	0.80	0.85	0.81	(2)	0	(1)	2	✓
Mt Barker	52	0	0	✓	35	0	✓	52	0.65	0.90	0.78	(2)	0	(1)	2	✓
Munglinup	12	0	0	✓	8	0	✓	4	0.55	0.85	0.73	(2)	0	(1)	2	✓
Muradup	12	0	0	✓	12	0	✓	4	0.80	0.85	0.83	(2)	0	(1)	2	✓
Narrikup	12	0	0	✓	8	0	✓	4	0.70	0.85	0.78	(2)	2	✓	2	✓
Narrogin	65	0	0	✓	65	0	✓	52	0.70	0.90	0.81	(2)	0	(1)	2	✓
Newdegate	12	0	0	✓	12	0	✓	4	0.70	0.90	0.81	(2)	0	(1)	2	✓
Nyabing	12	0	0	✓	12	0	✓	4	0.80	0.85	0.83	(2)	0	(1)	2	✓
Ongerup	12	0	0	✓	8	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Pingaring	12	0	0	✓	12	0	✓	4	0.80	0.85	0.81	(2)	0	(1)	2	✓
Pingelly	52	0	0	✓	52	0	✓	4	0.75	0.90	0.83	(2)	0	(1)	2	✓
Pingrup	12	0	0	✓	12	0	✓	4	0.80	0.85	0.84	(2)	0	(1)	2	✓
Popanyinning	12	0	0	✓	12	0	✓	4	0.70	0.90	0.80	(2)	0	(1)	2	✓
Porongurup	7	0	0	(4)	6	0	(4)	3	0.75	0.80	0.77	(4)	0	(1)	2	✓
Ravensthorpe	12	0	0	✓	8	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Rocky Gully	12	0	0	✓	8	0	✓	4	0.70	0.80	0.76	(2)	0	(1)	2	✓
Salmon Gums	12	0	0	✓	12	0	✓	2	0.75	0.80	0.78	✓	0	(1)	2	✓
Tambellup	12	0	0	✓	12	0	✓	4	0.80	0.85	0.81	(2)	0	(1)	2	✓
Tincurrin	12	0	0	✓	12	0	✓	4	0.70	0.90	0.80	(2)	0	(1)	2	✓
Varley	12	0	0	✓	12	0	✓	4	0.75	0.90	0.83	(2)	0	(1)	2	✓
Wagin	52	0	0	✓	52	0	✓	5	0.75	0.85	0.81	(2)	0	(1)	2	✓
Walpole	52	0	0	✓	35	0	✓	2	0.10	0.25	0.18	✓	0	(1)	2	✓
Wandering	12	0	0	✓	12	0	✓	4	0.70	0.90	0.79	(2)	0	(3)	2	✓
Wellstead	12	0	0	✓	8	0	✓	4	0.70	0.75	0.73	(2)	0	(1)	2	✓
Wickepin	12	0	0	✓	12	0	✓	4	0.80	0.85	0.83	(2)	0	(1)	2	✓
Williams	12	0	0	✓	12	0	✓	4	0.75	0.90	0.83	(2)	0	(1)	2	✓
Woodanilling	12	0	0	✓	12	0	✓	4	0.65	0.90	0.78	(2)	0	(1)	2	✓
Yealering	12	0	0	✓	12	0	✓	4	0.80	0.85	0.84	(2)	0	(1)	2	✓

(1) No samples required in this 12 month period. (2) Receives water from a fluoridated source within the dosing range set by the Fluoridation of Water Supplies Advisory Committee. (3) Due to an instrumentation issue at an external laboratory a hydrocarbon sample due this financial year has been rescheduled to early 2023-24. (4) New locality in December 2022, therefore not a full year of sampling for all parameters - samples taken met guideline values.

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Table 22 Health related variables

Great Southern Region	Health related variables															
Locality	Samples Taken	Nitrate			Guideline Met	Pesticides		Radiological		Trihalomethanes				Other Health Related		
		Concentration (mg/L)				Samples Taken	Guideline Met	Samples Taken	Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Requirement Met
		Min	Max	Mean						Min	Max	Mean				
Albany	20	0.9	1.8	1.3	✓	4	✓	0	(1)	19	0.061	0.160	0.104	✓	0	(1)
Boddington	2	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.061	0.100	0.088	✓	0	(1)
Borden	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	2	0.026	0.031	0.029	✓	0	(1)
Bremer Bay	5	27.3	30.4	29.0	✓	1	✓	0	(1)	2	0.061	0.080	0.071	✓	0	(1)
Brookton	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.032	0.076	0.054	✓	0	(1)
Broomehill	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.062	0.100	0.076	✓	0	(1)
Bullaring	4	<0.2	0.4	0.4	✓	1	✓	0	(1)	4	0.073	0.099	0.088	✓	0	(1)
Condingup	4	1.8	2.6	2.2	✓	1	✓	0	(1)	2	0.003	0.010	0.006	✓	0	(1)
Cranbrook	2	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.045	0.120	0.070	✓	0	(1)
Cuballing	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.042	0.074	0.057	✓	0	(1)
Denmark	4	0.4	0.4	0.4	✓	1	✓	0	(1)	4	0.042	0.100	0.066	✓	2	✓
Dudinin	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.056	0.084	0.073	✓	0	(1)
Dumbleyung	2	0.4	0.4	0.4	✓	1	✓	0	(1)	4	0.075	0.110	0.098	✓	0	(1)
Esperance	8	9.2	14.5	12.8	✓	2	✓	4	✓	4	0.016	0.068	0.030	✓	2	✓
Frankland	4	<0.2	0.4	0.4	✓	1	✓	0	(1)	4	0.038	0.053	0.044	✓	2	✓
Gibson	4	8.4	12.8	10.6	✓	1	✓	1	✓	2	0.053	0.095	0.074	✓	1	✓
Gnowangerup	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.025	0.041	0.034	✓	2	✓
Grass Patch	4	10.1	13.2	11.9	✓	1	✓	0	(1)	2	0.019	0.052	0.036	✓	0	(1)
Harrismith	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.120	0.190	0.143	✓	0	(1)
Highbury	4	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.035	0.056	0.048	✓	1	✓
Hopetoun	5	0.9	4.0	2.6	✓	1	✓	2	✓	2	0.013	0.013	0.013	✓	0	(1)
Hyden	4	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.120	0.150	0.133	✓	0	(1)
Jerramungup	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	2	0.033	0.050	0.042	✓	0	(1)
Karlgarin	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.100	0.140	0.118	✓	0	(1)
Katanning	4	<0.2	0.4	<0.2	✓	1	✓	2	✓	4	0.028	0.063	0.052	✓	0	(1)
Kendenup	4	1.3	1.3	1.3	✓	1	✓	2	✓	4	0.082	0.150	0.123	✓	2	✓
Kojonup	2	<0.2	<0.2	<0.2	✓	1	✓	1	✓	4	0.062	0.100	0.090	✓	0	(1)
Kondinin	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.140	0.180	0.160	✓	0	(1)
Kukerin	4	<0.2	0.4	0.4	✓	1	✓	0	(1)	4	0.068	0.130	0.100	✓	0	(1)
Kulin	4	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.110	0.180	0.150	✓	0	(1)
Lake Grace	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.093	0.120	0.108	✓	0	(1)
Lake King	2	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.063	0.083	0.073	✓	0	(1)
Mt Barker	5	0.9	1.8	1.3	✓	1	✓	2	✓	5	0.079	0.160	0.120	✓	0	(1)
Munglinup	4	11.9	14.1	12.8	✓	1	✓	0	(1)	4	0.047	0.069	0.056	✓	0	(1)
Muradup	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.052	0.087	0.068	✓	0	(1)
Narrikup	4	0.9	1.3	1.3	✓	1	✓	2	✓	4	0.078	0.140	0.117	✓	2	✓
Narrogin	4	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.030	0.073	0.047	✓	0	(1)
Newdegate	2	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.067	0.096	0.084	✓	0	(1)
Nyabing	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	2	0.066	0.066	0.066	✓	0	(1)
Ongerup	2	<0.2	0.9	0.4	✓	1	✓	0	(1)	2	0.022	0.032	0.027	✓	0	(1)
Pingaring	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.110	0.220	0.168	✓	0	(1)
Pingelly	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.059	0.100	0.075	✓	0	(1)
Pingrup	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.048	0.063	0.053	✓	0	(1)
Popanyinning	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.052	0.100	0.075	✓	0	(1)
Porongurup	3	0.9	1.3	0.9	(2)	1	✓	2	✓	3	0.067	0.084	0.078	(2)	2	✓
Ravensthorpe	4	<0.2	4.0	0.9	✓	4	✓	0	(1)	4	0.020	0.066	0.045	✓	0	(1)
Rocky Gully	4	1.3	1.3	1.3	✓	1	✓	2	✓	2	0.083	0.090	0.087	✓	0	(1)
Salmon Gums	4	11.4	14.5	13.2	✓	1	✓	0	(1)	2	0.051	0.070	0.061	✓	0	(1)
Tambellup	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.040	0.062	0.051	✓	0	(1)
Tincurrin	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.049	0.120	0.085	✓	0	(1)
Varley	3	<0.2	0.4	<0.2	✓	1	✓	0	(1)	3	0.020	0.035	0.030	✓	0	(1)
Wagin	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	5	0.054	0.098	0.072	✓	0	(1)
Walpole	4	0.9	2.6	1.8	✓	1	✓	0	(1)	4	0.062	0.140	0.089	✓	0	(1)
Wandering	2	<0.2	0.4	<0.2	✓	1	✓	2	✓	4	0.062	0.110	0.084	✓	2	✓
Wellstead	4	0.9	1.3	1.3	✓	1	✓	2	✓	4	0.060	0.100	0.081	✓	1	✓
Wickepin	4	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.054	0.067	0.062	✓	0	(1)
Williams	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.040	0.100	0.068	✓	0	(1)
Woodanilling	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	4	0.044	0.140	0.091	✓	1	✓
Yealering	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.072	0.092	0.082	✓	0	(1)

(1) No samples required in this 12 month period. (2) New locality in December 2022, therefore not a full year of sampling for all parameters - samples taken met guideline values.