

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

Table 6 Health related variables

Mid West Region	E. coli			Thermophilic Naegleria			Fluoride			Hydrocarbons		Metals				
Locality	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						
Badgingarra	13	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	5	✓
Bindoon /Chittering	50	0	0	✓	26	0	✓	2	0.35	0.40	0.38	✓	0	(1)	2	✓
Bolgart	13	0	0	✓	9	0	✓	2	0.20	0.25	0.23	✓	0	(1)	2	✓
Calingiri	13	0	0	✓	9	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Carnamah	13	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Carnarvon	65	0	0	✓	39	0	✓	2	0.40	0.40	0.40	✓	0	(1)	2	✓
Cervantes	52	0	0	✓	13	0	✓	2	0.15	0.15	0.15	✓	0	(1)	2	✓
Coomberdale	12	0	0	✓	8	0	✓	2	0.85	0.85	0.85	(2)	0	(1)	2	✓
Coorow	13	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Coral Bay	12	0	0	✓	12	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Cue	13	0	0	✓	12	0	✓	2	0.20	0.20	0.20	✓	0	(1)	2	✓
Dandaragan	13	0	0	✓	9	0	✓	2	0.25	0.25	0.25	✓	0	(1)	2	✓
Denham	52	0	0	✓	26	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Dongara/Denison	65	0	0	✓	26	0	✓	48	0.35	1.00	0.82	(2)	0	(1)	2	✓
Eneabba	13	0	0	✓	13	0	✓	2	0.15	0.20	0.18	✓	0	(1)	2	✓
Exmouth	65	0	0	✓	39	0	✓	52	0.50	0.95	0.69	(2)	0	(1)	2	✓
Gascoyne Junction	26	0	0	✓	26	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Geraldton	186	0	0	✓	157	0	✓	53	0.40	1.00	0.82	(2)	1	✓	4	✓
Gingin	52	0	0	✓	26	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Greenhead	52	0	0	✓	26	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Guilderton	52	0	0	✓	18	0	✓	2	0.25	0.25	0.25	✓	0	(1)	2	✓
Horrocks	13	0	0	✓	13	0	✓	2	0.35	0.40	0.38	✓	0	(1)	2	✓
Jurien Bay	52	0	0	✓	13	0	✓	2	0.20	0.20	0.20	✓	0	(1)	2	✓
Kalbarri	52	0	0	✓	26	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Lancelin	52	0	0	✓	26	0	✓	2	0.20	0.25	0.23	✓	0	(1)	2	✓
Latham	52	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Ledge Point	52	0	0	✓	13	0	✓	2	0.15	0.15	0.15	✓	0	(1)	2	✓
Leeman	52	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Meekatharra	52	0	0	✓	13	0	✓	2	0.30	0.35	0.33	✓	0	(1)	2	✓
Mingenew	13	0	0	✓	13	0	✓	2	0.15	0.20	0.18	✓	0	(1)	2	✓
Moora	52	0	0	✓	26	0	✓	52	0.70	1.00	0.81	(2)	0	(1)	2	✓
Morawa	51	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Mt Magnet	51	0	0	✓	13	0	✓	2	0.15	0.20	0.18	✓	0	(1)	3	✓
Mullewa	13	0	0	✓	13	0	✓	2	0.80	0.85	0.83	(2)	0	(1)	2	✓
Nabawa	13	0	0	✓	13	0	✓	2	0.70	0.85	0.77	(2)	0	(1)	2	✓
New Norcia	13	0	0	✓	9	0	✓	2	0.15	0.15	0.15	✓	0	(1)	2	✓
Nilgen (Ocean Farms)	13	0	0	✓	9	0	✓	2	<0.1	0.10	<0.1	✓	0	(1)	2	✓
Northampton	52	0	0	✓	13	0	✓	2	0.80	0.95	0.88	(2)	0	(1)	2	✓
Perenjori	13	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Piawaning	26	0	0	✓	9	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Port Kalbarri	13	0	0	✓	13	0	✓	2	0.15	0.15	0.15	✓	0	(1)	2	✓
Sandstone	13	0	0	✓	12	0	✓	2	0.25	0.30	0.28	✓	0	(1)	2	✓
Seabird	13	0	0	✓	9	0	✓	2	0.25	0.35	0.30	✓	0	(1)	2	✓
Seaview Park	13	0	0	✓	9	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Sovereign Hills	26	0	0	✓	18	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Three Springs	13	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Watheroo	13	0	0	✓	9	0	✓	2	0.10	0.15	0.13	✓	0	(1)	2	✓
Woodridge	13	0	0	✓	8	0	✓	2	0.25	0.30	0.28	✓	0	(1)	2	✓
Yalgoo	13	0	0	✓	12	0	✓	2	0.10	0.15	0.13	✓	0	(1)	2	✓
Yerecoin	13	0	0	✓	9	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Yuna	13	0	0	✓	13	0	✓	2	0.80	0.95	0.88	(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.

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Table 7

Health related variables

Mid West Region	Health related variables															
Locality	Samples Taken	Nitrate			Guideline Met	Pesticides		Radiological		Samples Taken	Trihalomethanes			Guideline Met	Other Health Related	
		Concentration (mg/L)				Samples Taken	Guideline Met	Samples Taken	Guideline Met		Concentration (mg/L)				Samples Taken	Requirement Met
		Min	Max	Mean						Min	Max	Mean				
Badgingarra	7	0.9	0.9	0.9	✓	1	✓	2	✓	2	<0.001	<0.001	<0.001	✓	0	(1)
Bindoon /Chittering	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	2	0.007	0.011	0.009	✓	0	(1)
Bolgart	4	0.9	35.6	25.5	✓	1	✓	1	✓	2	0.002	0.005	0.004	✓	0	(1)
Calingiri	4	19.8	23.8	22.0	✓	1	✓	6	(3)	2	0.013	0.014	0.014	✓	0	(1)
Carnamah	5	0.9	1.3	0.9	✓	1	✓	2	✓	2	0.006	0.007	0.006	✓	0	(1)
Carnarvon	2	3.5	3.5	3.5	✓	2	✓	0	(1)	2	0.002	0.004	0.003	✓	0	(1)
Cervantes	5	15.0	18.0	16.7	✓	1	✓	2	✓	2	0.005	0.011	0.008	✓	0	(1)
Coomberdale	2	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.022	0.038	0.030	✓	0	(1)
Coorow	5	0.9	1.3	0.9	✓	1	✓	2	✓	2	0.006	0.007	0.007	✓	0	(1)
Coral Bay	2	0.4	0.4	0.4	✓	1	✓	0	(1)	2	<0.001	<0.001	<0.001	✓	0	(1)
Cue	4	17.2	19.4	18.5	(2)	1	✓	2	✓	2	0.003	0.003	0.003	✓	0	(1)
Dandaragan	5	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.003	0.007	0.005	✓	0	(1)
Denham	2	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	<0.001	<0.001	<0.001	✓	0	(1)
Dongara/Denison	4	2.6	3.1	2.6	✓	1	✓	1	✓	2	0.006	0.006	0.006	✓	0	(1)
Eneabba	4	<0.2	<0.2	<0.2	✓	1	✓	1	✓	2	0.004	0.012	0.008	✓	0	(1)
Exmouth	2	7.9	8.4	8.4	✓	1	✓	0	(1)	2	<0.001	<0.001	<0.001	✓	0	(1)
Gascoyne Junction	2	<0.2	0.4	0.4	✓	1	✓	0	(1)	2	0.002	0.003	0.003	✓	0	(1)
Geraldton	4	2.6	3.1	3.1	✓	2	✓	2	✓	4	0.004	0.012	0.008	✓	0	(1)
Gingin	2	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.004	0.004	0.004	✓	0	(1)
Greenhead	2	4.0	4.4	4.0	✓	1	✓	1	✓	2	0.002	0.002	0.002	✓	0	(1)
Guilderton	4	35.2	37.8	36.5	✓	1	✓	0	(1)	2	0.009	0.014	0.011	✓	0	(1)
Horrocks	4	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.010	0.013	0.012	✓	0	(1)
Jurien Bay	26	10.6	15.4	13.2	✓	1	✓	2	✓	2	0.004	0.004	0.004	✓	0	(1)
Kalbarri	2	2.6	2.6	2.6	✓	1	✓	2	✓	2	<0.001	0.002	<0.001	✓	0	(1)
Lancelin	5	4.0	5.3	4.8	✓	1	✓	2	✓	2	0.005	0.006	0.005	✓	0	(1)
Latham	4	0.9	0.9	0.9	✓	1	✓	0	(1)	2	0.050	0.090	0.070	✓	0	(1)
Ledge Point	3	21.1	22.9	22.0	✓	1	✓	4	✓	2	0.005	0.006	0.006	✓	0	(1)
Leeman	2	4.0	4.4	4.4	✓	1	✓	2	✓	2	0.003	0.007	0.005	✓	0	(1)
Meekatharra	2	19.4	20.7	20.2	(2)	1	✓	1	✓	2	0.003	0.008	0.006	✓	0	(1)
Mingenew	4	12.8	13.6	13.2	✓	1	✓	2	✓	2	0.004	0.004	0.004	✓	0	(1)
Moora	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	2	0.034	0.035	0.035	✓	0	(1)
Morawa	3	0.9	0.9	0.9	✓	1	✓	0	(1)	2	0.003	0.038	0.021	✓	0	(1)
Mt Magnet	4	25.5	30.4	27.7	(2)	2	✓	0	(1)	2	0.003	0.005	0.004	✓	0	(1)
Mullewa	4	2.6	3.1	2.6	✓	1	✓	2	✓	2	0.011	0.023	0.017	✓	0	(1)
Nabawa	4	2.6	3.1	2.6	✓	1	✓	2	✓	2	0.010	0.014	0.012	✓	0	(1)
New Norcia	5	41.8	48.4	45.8	(2)	1	✓	1	✓	2	0.006	0.008	0.007	✓	0	(1)
Nilgen (Ocean Farms)	3	22.9	26.8	25.1	✓	1	✓	2	✓	2	0.001	0.002	0.002	✓	0	(1)
Northampton	2	2.6	2.6	2.6	✓	1	✓	2	✓	2	0.025	0.027	0.026	✓	0	(1)
Perenjori	4	0.9	0.9	0.9	✓	1	✓	2	✓	2	0.005	0.006	0.005	✓	0	(1)
Piawaning	4	11.9	28.2	22.4	✓	1	✓	2	✓	2	0.032	0.080	0.056	✓	0	(1)
Port Kalbarri	2	0.9	0.9	0.9	✓	2	✓	0	(1)	2	0.063	0.074	0.069	✓	0	(1)
Sandstone	4	18.9	24.6	22.4	(2)	1	✓	1	✓	2	0.001	0.002	0.002	✓	0	(1)
Seabird	2	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.047	0.052	0.050	✓	0	(1)
Seaview Park	4	23.3	26.4	25.1	✓	1	✓	1	✓	2	0.002	0.003	0.003	✓	0	(1)
Sovereign Hills	5	1.8	2.6	2.6	✓	1	✓	1	✓	2	0.025	0.029	0.027	✓	0	(1)
Three Springs	4	1.3	2.2	1.8	✓	1	✓	2	✓	2	0.003	0.005	0.004	✓	0	(1)
Watheroo	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	4	0.071	0.110	0.095	✓	0	(1)
Woodridge	4	<0.2	0.4	<0.2	✓	1	✓	2	✓	4	0.084	0.110	0.101	✓	0	(1)
Yalgoo	2	18.5	19.8	19.4	✓	1	✓	1	✓	2	0.011	0.025	0.018	✓	0	(1)
Yerecoin	4	18.5	22.9	21.6	✓	1	✓	1	✓	2	0.063	0.083	0.073	✓	1	✓
Yuna	2	2.6	2.6	2.6	✓	1	✓	2	✓	2	0.013	0.019	0.016	✓	0	(1)

(1) No samples required in this 12 month period. (2) Cue, Meekatharra, Mount Magnet, New Norcia, Sandstone and Yalgoo have been granted an exemption from compliance with the infant health nitrate guideline by the Department of Health. Carers of infants younger than 3 months should seek advice from the Community Health Nurse regarding the use of alternative water sources for the preparation of bottle feeds. Water Corporation provides bottled water free of charge for this purpose. For a full list of towns with nitrate exemptions and how we are improving water quality in these towns - please refer to 'Understanding water quality test results - Nitrate' section of the annual report. (3) Non-compliance associated with radiological performance criterion as defined in the MoU with DoH. Response protocols implemented in accordance with DoH requirements demonstrated continuous supply of safe drinking water to the locality.