

Drinking Water Quality Annual Report Data 01/07/2020 to 30/06/2021

Table 6 Health related variables

Mid West Locality	<i>E. coli</i>			Thermophilic <i>Naegleria</i>			Fluoride				Hydrocarbons		Metals			
	Samples Taken	Samples >0 cfu/100mL	Max cfu/100mL	Requirement Met	Samples Taken	Samples with Thermophilic <i>Naegleria</i>	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)	2	✓
Bindoon /Chittering	52	0	0	✓	27	0	✓	2	0.35	0.35	0.35	✓	0	(1)	2	✓
Bolgart	13	0	0	✓	9	0	✓	2	0.15	0.20	0.18	✓	4	✓	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	64	0	0	✓	39	0	✓	2	0.35	0.40	0.38	✓	0	(1)	2	✓
Cervantes	51	0	0	✓	13	0	✓	2	0.15	0.15	0.15	✓	0	(1)	2	✓
Coomberdale	13	0	0	✓	9	0	✓	2	0.75	0.80	0.78	(2)	0	(1)	2	✓
Coorow	13	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Coral Bay	13	0	0	✓	13	0	✓	2	<0.1	0.10	<0.1	✓	0	(1)	2	✓
Cue	13	0	0	✓	13	0	✓	2	0.30	0.30	0.30	✓	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	✓	52	0.40	0.95	0.79	(2)	0	(1)	2	✓
Eneabba	13	0	0	✓	13	0	✓	2	0.15	0.15	0.15	✓	0	(1)	2	✓
Exmouth	63	0	0	✓	38	0	✓	51	0.35	0.75	0.66	(2)	0	(1)	2	✓
Gascoyne Junction	23	0	0	✓	23	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Geraldton	189	0	0	✓	164	0	✓	54	0.50	0.95	0.82	(2)	0	(1)	4	✓
Gingin	52	0	0	✓	26	0	✓	2	<0.1	<0.1	<0.1	✓	1	✓	2	✓
Greenhead	52	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Guilderton	51	0	0	✓	17	0	✓	2	0.20	0.25	0.23	✓	0	(1)	2	✓
Horrocks	13	0	0	✓	13	0	✓	2	0.35	0.35	0.35	✓	0	(1)	2	✓
Jurien Bay	51	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	51	0	0	✓	26	0	✓	2	0.20	0.20	0.20	✓	0	(1)	2	✓
Latham	53	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	2	✓	2	✓
Ledge Point	51	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	✓	2	✓	3	✓
Meekatharra	52	0	0	✓	13	0	✓	2	0.55	0.55	0.55	✓	0	(1)	2	✓
Mingenew	13	0	0	✓	13	0	✓	2	0.15	0.20	0.18	✓	0	(1)	2	✓
Moora	52	0	0	✓	20	0	✓	52	0.65	0.80	0.75	(2)	0	(1)	2	✓
Morawa	53	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Mt Magnet	52	0	0	✓	13	0	✓	2	0.15	0.20	0.18	✓	0	(1)	2	✓
Mullewa	13	0	0	✓	13	0	✓	2	0.75	0.90	0.83	(2)	0	(1)	2	✓
Nabawa	13	0	0	✓	13	0	✓	2	0.75	0.80	0.78	✓	0	(1)	2	✓
New Norcia	13	0	0	✓	9	0	✓	2	0.15	0.20	0.18	✓	0	(1)	2	✓
Nilgen (Ocean Farms)	13	0	0	✓	9	0	✓	2	<0.1	<0.1	<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	✓	1	✓	2	✓
Port Kalbarri	13	0	0	✓	13	0	✓	2	0.15	0.15	0.15	✓	0	(1)	2	✓
Sandstone	13	0	0	✓	13	0	✓	2	0.40	0.40	0.40	✓	0	(1)	7	✓
Seabird	13	0	0	✓	9	0	✓	2	0.25	0.30	0.28	✓	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	✓	17	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	✓	9	0	✓	2	0.25	0.30	0.28	✓	0	(1)	2	✓
Yalgoo	13	0	0	✓	13	0	✓	2	0.10	0.10	0.10	✓	0	(1)	2	✓
Yerecoin	13	0	0	✓	9	0	✓	2	<0.1	<0.1	<0.1	✓	1	✓	2	✓
Yuna	13	0	0	✓	13	0	✓	2	0.85	0.90	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	Health related variables															
	Locality	Samples Taken	Nitrate			Pesticides		Radiological		Trihalomethanes				Other Health Related		
			Concentration (mg/L)			Guideline Met	Samples Taken	Guideline Met	Samples Taken	Guideline Met	Concentration (mg/L)			Guideline Met	Samples Taken	Requirement Met
Min	Max	Mean	Min	Max	Mean											
Badgingarra	2	0.88	0.88	0.88	✓	1	✓	2	✓	2	0.001	0.004	0.003	✓	0	(1)
Bindoon /Chittering	2	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	2	0.012	0.014	0.013	✓	0	(1)
Bolgart	4	30.36	37.4	34.76	✓	8	✓	2	✓	2	0.004	0.005	0.005	✓	2	✓
Calingiri	4	14.96	17.16	16.28	✓	1	✓	2	✓	2	0.026	0.027	0.027	✓	1	✓
Carnamah	2	1.32	1.32	1.32	✓	1	✓	2	✓	2	0.01	0.010	0.010	✓	0	(1)
Carnarvon	2	3.08	4.4	3.52	✓	1	✓	0	(1)	2	0.005	0.006	0.006	✓	0	(1)
Cervantes	4	14.52	16.28	15.84	✓	1	✓	2	✓	2	0.014	0.014	0.014	✓	0	(1)
Coomberdale	2	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.031	0.036	0.034	✓	0	(1)
Coorow	2	1.32	1.32	1.32	✓	1	✓	2	✓	2	0.01	0.02	0.015	✓	0	(1)
Coral Bay	2	0.44	0.44	0.44	✓	1	✓	0	(1)	2	<0.001	0.006	0.003	✓	0	(1)
Cue	4	44.88	50.6	48.84	(2)	1	✓	2	✓	2	0.006	0.023	0.015	✓	0	(1)
Dandaragan	2	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.005	0.007	0.006	✓	0	(1)
Denham	2	<0.2	0.44	<0.2	✓	1	✓	2	✓	2	<0.001	0.008	0.004	✓	1	✓
Dongara/Denison	4	2.64	3.08	2.64	✓	1	✓	1	✓	2	0.009	0.016	0.013	✓	0	(1)
Eneabba	5	<0.2	<0.2	<0.2	✓	1	✓	1	✓	2	0.009	0.013	0.011	✓	0	(1)
Exmouth	2	7.92	8.36	8.36	✓	1	✓	2	✓	2	<0.001	<0.001	<0.001	✓	0	(1)
Gascoyne Junction	2	0.44	0.44	0.44	✓	1	✓	0	(1)	2	0.008	0.025	0.017	✓	0	(1)
Geraldton	4	2.64	3.08	2.64	✓	2	✓	2	✓	4	0.007	0.013	0.009	✓	1	✓
Gingin	2	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	<0.001	0.003	0.002	✓	0	(1)
Greenhead	2	4.4	4.4	4.4	✓	1	✓	1	✓	2	0.002	0.004	0.003	✓	0	(1)
Guilderton	5	35.2	41.8	37.84	✓	1	✓	0	(1)	2	0.014	0.018	0.016	✓	0	(1)
Horrocks	4	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.012	0.018	0.015	✓	0	(1)
Jurien Bay	14	10.56	15.4	13.64	✓	1	✓	2	✓	2	0.009	0.011	0.010	✓	0	(1)
Kalbarri	2	2.64	2.64	2.64	✓	1	✓	2	✓	2	0.003	0.004	0.004	✓	1	✓
Lancelin	2	4.40	4.84	4.84	✓	1	✓	2	✓	2	0.014	0.024	0.019	✓	0	(1)
Latham	2	0.88	0.88	0.88	✓	2	✓	1	✓	2	0.009	0.06	0.035	✓	0	(1)
Ledge Point	5	19.8	21.56	20.68	✓	1	✓	2	✓	2	0.008	0.01	0.009	✓	0	(1)
Leeman	2	3.96	4.40	3.96	✓	2	✓	2	✓	2	0.003	0.005	0.004	✓	0	(1)
Meekatharra	5	56.76	66.44	60.72	(2)	1	✓	1	✓	2	0.003	0.005	0.004	✓	0	(1)
Mingenew	1	11.44	11.44	11.44	✓	1	✓	2	✓	2	<0.001	0.004	0.002	✓	0	(1)
Moora	2	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.015	0.031	0.023	✓	0	(1)
Morawa	2	0.88	0.88	0.88	✓	1	✓	0	(1)	2	<0.001	0.007	0.004	✓	0	(1)
Mt Magnet	6	25.52	67.76	33.88	(2)	1	✓	1	✓	2	0.004	0.007	0.006	✓	0	(1)
Mullewa	2	2.64	3.08	2.64	✓	1	✓	2	✓	2	0.032	0.033	0.033	✓	1	✓
Nabawa	2	2.64	3.08	3.08	✓	1	✓	2	✓	2	0.012	0.02	0.016	✓	0	(1)
New Norcia	11	44.88	57.64	49.72	(2)	1	✓	1	✓	2	0.008	0.011	0.01	✓	1	✓
Nilgen (Ocean Farms)	4	22.44	25.08	23.76	✓	1	✓	2	✓	2	<0.001	0.004	0.002	✓	0	(1)
Northampton	2	2.64	3.08	2.64	✓	1	✓	2	✓	2	0.021	0.028	0.025	✓	0	(1)
Perenjori	2	0.88	0.88	0.88	✓	1	✓	2	✓	2	0.006	0.019	0.013	✓	0	(1)
Piawaning	2	10.56	11.88	11.44	✓	1	✓	2	✓	2	0.089	0.095	0.092	✓	0	(1)
Port Kalbarri	2	0.44	0.88	0.88	✓	1	✓	2	✓	2	0.054	0.09	0.072	✓	2	✓
Sandstone	7	54.12	62.04	57.64	(2)	1	✓	0	(1)	2	0.001	0.004	0.003	✓	0	✓
Seabird	2	<0.2	0.44	<0.2	✓	1	✓	2	✓	2	0.027	0.067	0.047	✓	0	(1)
Seaview Park	5	22	25.96	23.76	✓	1	✓	1	✓	2	0.004	0.017	0.011	✓	0	(1)
Sovereign Hills	6	2.64	47.08	15.84	✓	1	✓	1	✓	2	0.020	0.034	0.027	✓	1	(1)
Three Springs	2	1.32	1.76	1.32	✓	1	✓	2	✓	2	0.006	0.012	0.009	✓	0	(1)
Watheroo	5	<0.2	<0.2	<0.2	✓	1	✓	0	(1)	5	0.028	0.170	0.122	✓	1	✓
Woodridge	5	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.150	0.150	0.15	✓	1	✓
Yalgoo*	2	19.36	20.68	20.24	✓	1	✓	2	✓	2	0.008	0.015	0.012	✓	0	(1)
Yerecoin	4	11	11.88	11.44	✓	1	✓	1	✓	2	0.055	0.12	0.088	✓	1	✓
Yuna	2	2.64	2.64	2.64	✓	1	✓	2	✓	2	0.022	0.028	0.025	✓	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. The Water Corporation provides bottled water free of charge for this purpose. Note: Although *Yalgoo has an exemption, due to treatment intervention, it has achieved compliance with the infant health guideline limit. The water supplied has always met the guideline for adults and children over the age of 3 months - 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.