

Typical water quality analysis (2022-2023)
Compared with the Australian Drinking Water Guidelines



Measure		ADWG Guidelines		Supply system		
Parameter	Units	Health	Aesthetic	Bray Park	Uki	Tyalgum
Physical Characteristics *						
- True Colour	HU	NA	15	1	1	1
- Turbidity	NTU	NA	5	0.3	0.3	0.2
- Hardness	mg CaCO ₃ /L	NA	200	53.5	38	39
- Alkalinity	mg CaCO ₃ /L	NA	NA	52	44	49
- Total Dissolved Solids	mg/L	NA	600	110	110	80
- pH	pH units	NA	6.5 – 8.5	7.2	7.7	7.4
Disinfectants **						
- Free Chlorine	mg/L	5	NA	0.82	0.81	0.99
Disinfection By-products**						
- Trihalomethanes	mg/L	0.25	NA	0.068	0.082	0.0435
Chemical Characteristics**						
- Aluminium	mg/L	NA	0.2	0.01	0.02	0.05
- Antimony	mg/L	0.003	NA	<0.001	<0.001	<0.001
- Arsenic	mg/L	0.01	NA	<0.001	<0.001	<0.001
- Cadmium	mg/L	0.002	NA	<0.001	<0.001	<0.001
- Calcium	mg/L	NA	NA	16	10	8.1
- Chloride	mg/L	NA	250	21	26	12
- Chromium IV	mg/L	0.05	NA	0	<0.001	<0.001
- Copper	mg/L	2	1	0.01	0	0.04
- Fluoride	mg/L	1.5	NA	0.99	0.08	0.08
- Iron	mg/L	NA	0.3	0.01	0.02	<0.01
- Magnesium	mg/L	NA	NA	4.7	4.5	4.75
- Manganese	mg/L	0.5	0.1	0	0.01	<0.001
- Nickel	mg/L	0.02	NA	0	<0.001	<0.001
- Lead	mg/L	0.01	NA	0	<0.001	0
- Sodium	mg/L	NA	180	14	18	12
- Sulfate	mg/L	500	250	2.9	3.15	1.45
- Zinc	mg/L	NA	3	0.01	0.01	0.01
Microbiological**						
- E. coli	cfu/100mL	0	NA	0	0	0

NA - no published guideline

ADWG refers to the 2011 Australian Drinking Water Guidelines

ADWG Health refers to a health related guideline value which does not result in any significant risk to the health of the customer over a lifetime of consumption.

ADWG Aesthetic refers to an aesthetic guideline value that is associated with acceptability of water to the consumer in regard to appearance, taste and odour.

* Median based on 2021/2022 year WTP weekly sampling.

** Median based on the 2021/2022 year reticulation routine sampling.