

Recycled Water Quality Summary

BOONAH RRC Recycled Water Quality Summary

For sampling conducted between 1 July 2022 and 30 June 2023

Parameter	Units	No. Samples	Minimum	Average	Maximum
Acetic Acid	mg/L	12	<6	<6	<6
Ammonia N	mg/L	15	0.08	4.93	13.2
Arsenic as As	mg/L	12	<0.007	<0.007	0.01
BOD 5 days @ 20oC	mg/L	12	<5	36	75
Boron as B	mg/L	12	0.061	0.084	0.116
Cadmium as Cd	mg/L	12	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	4	42	52.3	59.1
CBOD 5 days @ 20oC	mg/L	3	<5	9	13
Chromium as Cr	mg/L	12	<0.001	0.001	0.004
COD as O2	mg/L	12	80	258	433
Conductivity at 25C	uS/cm	65	828	1537	2242
Copper as Cu	mg/L	12	<0.005	0.006	0.015
Dissolved O2 - Field	mg/L	15	3.45	9.3	15.67
Escherichia coli	cfu/100mL	53	<1	3	140
Fluoride by ISE	mg/L	12	0.44	0.72	1.09
Free Chlorine	mg/L	56	<0.1	0.15	0.75
Lead as Pb	mg/L	12	<0.004	<0.004	0.005
Magnesium as Mg	mg/L	4	26.7	35.7	41
Manganese as Mn	mg/L	12	0.306	0.686	1.31
Mercury as Hg	ug/L	12	<0.01	0.01	0.02
Nickel as Ni	mg/L	12	<0.01	<0.01	<0.01
Ortho Phosphorus as P	mg/L	12	0.62	2.263	5.87
pH - Field	pH Unit	16	6.9	8.6	9.5
Selenium as Se	mg/L	12	<0.01	<0.01	<0.01
Sodium as Na	mg/L	4	159	183.3	193
Sodium Absorption Ratio	na	4	4.7	4.8	5
Suspended Solids	mg/L	18	<5	127	380
Temperature - Field	C	15	15.5	20.6	27.7
Total Alkalinity as CaCO3	mg/L	12	79	220	320
Total Chlorine	mg/L	56	<0.1	3.13	6.06
Total Nitrogen as N	mg/L	15	9.05	18.44	45.6
Total Phosphorus as P	mg/L	15	3.11	4.48	6.55
Turbidity	NTU	12	20.5	177.2	560
Zinc as Zn	mg/L	12	<0.005	0.013	0.029