

# Recycled Water Quality Summary

## TOOGOOLAWAH 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	12	0.06	4.47	9.97
Arsenic as As	mg/L	12	<0.007	<0.007	<0.007
BOD 5 days @ 20oC	mg/L	12	<5	34	71
Boron as B	mg/L	12	0.064	0.082	0.102
Cadmium as Cd	mg/L	12	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	3	18.7	21.4	23.6
Chromium as Cr	mg/L	12	<0.001	<0.001	<0.001
COD as O2	mg/L	12	142	189	357
Conductivity at 25C	uS/cm	12	426	718	912
Copper as Cu	mg/L	12	<0.005	<0.005	0.006
Dissolved O2 - Field	mg/L	12	2.34	5.75	9.72
Escherichia coli	cfu/100mL	53	<1	5	10
Fluoride by ISE	mg/L	12	0.32	0.43	0.51
Free Chlorine	mg/L	65	<0.1	0.15	3.36
Lead as Pb	mg/L	12	<0.004	<0.004	<0.004
Magnesium as Mg	mg/L	3	10.6	12.9	16.2
Manganese as Mn	mg/L	12	0.007	0.024	0.042
Mercury as Hg	ug/L	12	<0.01	<0.01	<0.01
Nickel as Ni	mg/L	12	<0.01	<0.01	<0.01
Ortho Phosphorus as P	mg/L	12	0.552	3.211	5.15
pH - Field	pH Unit	65	7.2	8.4	10.1
Selenium as Se	mg/L	12	<0.01	<0.01	0.011
Sodium as Na	mg/L	3	76.3	104.6	122
Sodium Absorption Ratio	na	3	3.35	4.4	5.13
Suspended Solids	mg/L	65	21	71	184
Temperature - Field	C	12	10.4	18	26.7
Total Alkalinity as CaCO3	mg/L	12	142	178	225
Total Chlorine	mg/L	65	<0.1	3.17	6.06
Total Nitrogen as N	mg/L	12	8.05	14.92	22
Total Phosphorus as P	mg/L	12	1.94	5.35	7.3
Zinc as Zn	mg/L	12	<0.005	0.008	0.025