

Recycled Water Quality Summary

WYNNUM 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	27	<6	<6	<6
Ammonia N	mg/L	150	<0.004	0.24	1.33
Arsenic as As	mg/L	13	<0.007	<0.007	<0.007
BOD 5 days @ 20oC	mg/L	54	<5	<5	10
Boron as B	mg/L	13	<0.01	0.163	0.22
Cadmium as Cd	mg/L	13	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	54	<0.01	35.1	47.8
Chromium as Cr	mg/L	13	<0.001	0.005	0.017
COD as O2	mg/L	53	<5	61	95
Copper as Cu	mg/L	13	<0.005	<0.005	0.008
Dissolved O2 - Field	mg/L	109	<1	6.21	8.88
Escherichia coli	cfu/100mL	40	<1	<1	<1
Fluoride by ISE	mg/L	27	<0.05	0.61	1.86
Free Chlorine	mg/L	94	<0.1	0.21	0.68
Lead as Pb	mg/L	13	<0.004	<0.004	<0.004
Magnesium as Mg	mg/L	54	<0.01	29.8	49.6
Manganese as Mn	mg/L	13	<0.001	0.16	0.433
Mercury as Hg	ug/L	13	<0.01	0.05	0.13
Nickel as Ni	mg/L	13	<0.01	<0.01	<0.01
Ortho Phosphorus as P	mg/L	68	<0.002	0.697	3.79
pH - Field	pH Unit	149	<1	6.9	8
Selenium as Se	mg/L	13	<0.01	<0.01	<0.01
Sodium as Na	mg/L	94	<0.01	140.1	385
Sodium Absorption Ratio	na	56	0	6.46	9.31
Suspended Solids	mg/L	109	<5	<5	15
Temperature - Field	C	55	0	23.2	29.3
Total Alkalinity as CaCO3	mg/L	55	<1	121	182
Total Chlorine	mg/L	108	<0.1	0.21	0.85
Total Nitrogen as N	mg/L	150	<0.01	2.04	7.2
Total Phosphorus as P	mg/L	109	<0.01	1.36	5.05
Turbidity	NTU	39	<0.1	0.2	3.8
Zinc as Zn	mg/L	13	<0.005	0.041	0.061