

# Recycled Water Quality Summary

## FOREST HILL 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	27	0.65	11.19	44.1
Arsenic as As	mg/L	12	<0.007	<0.007	<0.007
Boron as B	mg/L	12	0.094	0.11	0.135
Cadmium as Cd	mg/L	12	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	4	29.2	33.5	41.5
CBOD 5 days @ 20oC	mg/L	27	<5	<5	<5
Chromium as Cr	mg/L	12	<0.001	<0.001	<0.001
COD as O2	mg/L	12	35	54	67
Conductivity at 25C	uS/cm	12	668	1132	1463
Copper as Cu	mg/L	12	<0.005	<0.005	<0.005
Dissolved O2 - Field	mg/L	27	4.28	7.7	10.58
Escherichia coli	cfu/100mL	53	<1	<1	<1
Fluoride by ISE	mg/L	12	0.38	0.44	0.57
Free Chlorine	mg/L	80	<0.1	0.19	0.65
Lead as Pb	mg/L	12	<0.004	<0.004	<0.004
Magnesium as Mg	mg/L	4	19.8	23.4	27.9
Manganese as Mn	mg/L	12	0.001	0.041	0.121
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	1.76	4.95	10.2
pH - Field	pH Unit	27	7.9	8.5	9.2
Selenium as Se	mg/L	12	<0.01	<0.01	<0.01
Sodium as Na	mg/L	4	120.8	169	221
Sodium Absorption Ratio	na	4	4.1	5.47	6.97
Suspended Solids	mg/L	27	<5	<5	16
Temperature - Field	C	27	11.2	19.3	27.9
Total Alkalinity as CaCO3	mg/L	12	238	338	442
Total Chlorine	mg/L	80	<0.1	5.09	6.06
Total Nitrogen as N	mg/L	27	4.07	14.39	45.6
Total Phosphorus as P	mg/L	27	1.71	5.57	11.4
Zinc as Zn	mg/L	12	<0.005	<0.005	0.005