

Recycled Water Quality Summary

GATTON 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	11	<6	<6	<6
Ammonia N	mg/L	50	14.2	29.86	47.4
Arsenic as As	mg/L	11	<0.007	<0.007	<0.007
BOD 5 days @ 20oC	mg/L	50	<5	12	38
Boron as B	mg/L	11	0.069	0.081	0.096
Cadmium as Cd	mg/L	11	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	4	29.9	32.6	34.7
Chromium as Cr	mg/L	11	<0.001	<0.001	<0.001
COD as O2	mg/L	11	41	102	152
Conductivity at 25C	uS/cm	103	491	1125	1431
Copper as Cu	mg/L	11	0.008	0.013	0.018
Dissolved O2 - Field	mg/L	50	2.55	5.7	9.25
Escherichia coli	cfu/100mL	104	<1	88	5200
Fluoride by ISE	mg/L	11	0.49	0.65	0.78
Free Chlorine	mg/L	104	<0.1	0.19	0.54
Lead as Pb	mg/L	11	<0.004	<0.004	<0.004
Magnesium as Mg	mg/L	4	15.5	15.9	16.1
Manganese as Mn	mg/L	11	0.058	0.067	0.081
Mercury as Hg	ug/L	11	<0.01	<0.01	<0.01
Nickel as Ni	mg/L	11	<0.01	<0.01	<0.01
Ortho Phosphorus as P	mg/L	50	6.43	8.141	10.2
pH - Field	pH Unit	50	7.2	7.6	8
Selenium as Se	mg/L	11	<0.01	<0.01	<0.01
Sodium as Na	mg/L	4	102.4	113.1	121
Sodium Absorption Ratio	na	4	3.72	4.07	4.26
Suspended Solids	mg/L	50	<5	27	60
Temperature - Field	C	50	8.9	19.3	28.7
Total Alkalinity as CaCO3	mg/L	50	167	245	344
Total Chlorine	mg/L	104	0.27	5.57	6.06
Total Nitrogen as N	mg/L	50	23.2	39.12	61
Total Phosphorus as P	mg/L	50	6.9	9.2	11.54
Zinc as Zn	mg/L	11	0.022	0.028	0.041