

Recycled Water Quality Summary

GIBSON ISLAND 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	53	0.12	0.98	10.9
Arsenic as As	mg/L	12	<0.007	<0.007	<0.007
BOD 5 days @ 20oC	mg/L	104	<5	<5	12
Boron as B	mg/L	12	0.183	0.25	0.299
Cadmium as Cd	mg/L	12	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	13	29.3	38.4	50.7
Chromium as Cr	mg/L	13	<0.001	<0.001	0.003
COD as O2	mg/L	52	24	35	58
Conductivity at 25C	uS/cm	1	1115	1115	1115
Copper as Cu	mg/L	13	<0.005	<0.005	<0.005
Dissolved O2 - Field	%	12	67.9	77.3	87.3
Dissolved O2 - Field	mg/L	52	5.13	6.37	7.76
Escherichia coli	cfu/100mL	52	<1	2	57
Fluoride by ISE	mg/L	4	0.35	0.56	0.76
Free Chlorine	mg/L	53	<0.1	2.48	6.06
Lead as Pb	mg/L	13	<0.004	<0.004	0.025
Magnesium as Mg	mg/L	13	15.6	19.9	26.2
Manganese as Mn	mg/L	13	0.083	0.103	0.129
Mercury as Hg	ug/L	12	<0.01	<0.01	<0.01
Nickel as Ni	mg/L	13	<0.01	<0.01	<0.01
Ortho Phosphorus as P	mg/L	52	0.514	1.337	3.07
pH - Field	pH Unit	103	6.8	7.2	7.9
Selenium as Se	mg/L	12	<0.01	<0.01	<0.01
Sodium as Na	mg/L	13	141	203.5	262
Sodium Absorption Ratio	na	8	6.12	7.05	9.2
Suspended Solids	mg/L	105	<5	<5	28
Temperature - Field	C	12	21.6	24.7	28.5
Total Alkalinity as CaCO3	mg/L	12	122	212	268
Total Chlorine	mg/L	53	0.44	3.3	6.06
Total Nitrogen as N	mg/L	53	1.33	2.73	11.5
Total Phosphorus as P	mg/L	53	0.53	1.6	3.78
Turbidity	NTU	50	0.2	0.8	4.6
Zinc as Zn	mg/L	13	0.022	0.032	0.052