

# Recycled Water Quality Summary

## KARANA DOWNS 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	0.1	2.23	10.4
Arsenic as As	mg/L	12	<0.007	<0.007	<0.007
BOD 5 days @ 20oC	mg/L	53	<5	<5	18
Boron as B	mg/L	12	0.073	0.113	0.164
Cadmium as Cd	mg/L	12	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	4	22.9	31	35.7
Chromium as Cr	mg/L	12	<0.001	<0.001	<0.001
COD as O2	mg/L	12	23	28	32
Conductivity at 25C	uS/cm	106	420	846	1058
Copper as Cu	mg/L	12	<0.005	<0.005	<0.005
Dissolved O2 - Field	mg/L	53	1.72	3.7	6.74
Escherichia coli	cfu/100mL	106	<1	14	410
Fluoride by ISE	mg/L	12	0.05	0.39	0.77
Free Chlorine	mg/L	106	<0.1	<0.1	0.65
Lead as Pb	mg/L	12	<0.004	<0.004	<0.004
Magnesium as Mg	mg/L	4	10.5	14.1	16.1
Manganese as Mn	mg/L	12	0.011	0.029	0.043
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	3.86	6.483	8.09
pH - Field	pH Unit	53	7.1	7.3	7.5
Selenium as Se	mg/L	12	<0.01	<0.01	<0.01
Sodium as Na	mg/L	4	77.4	100.1	114
Sodium Absorption Ratio	na	4	3.36	3.74	4
Suspended Solids	mg/L	53	<5	<5	6
Temperature - Field	C	53	13	21.2	27.8
Total Alkalinity as CaCO3	mg/L	12	101	153	183
Total Chlorine	mg/L	106	0.23	2.01	4.64
Total Nitrogen as N	mg/L	53	1.5	4.19	11.6
Total Phosphorus as P	mg/L	53	2.99	6.23	10.35
Zinc as Zn	mg/L	12	0.024	0.027	0.035