

Water Quality Data of The Brothers Marine Park from July to September 2022 (3rd Quarter)

	West Brother		East Brother	
Water Depth	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	31.8		32.2	
Water Temperature (°C)	28.30	28.80	28.40	28.75
Salinity (‰)	20.60	18.50	20.00	18.15
Dissolved Oxygen (mg/L)	7.80	6.50	6.00	6.50
pH	7.80	7.80	7.80	7.80
Secchi Disc Depth (m)	0.8		0.9	
Turbidity (NTU)	2.00	2.00	2.00	2.00
Suspended Solids (mg/L)	3.00	2.00	2.00	<2
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	<0.01	<0.01	<0.01	<0.01
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.76	0.78	0.76	0.78
Nitrate Nitrogen (mg/L)	0.04	0.05	0.04	0.04
Total Inorganic Nitrogen (mg/L)	0.81	0.83	0.80	0.82
Total Kjeldahl Nitrogen (mg/L)	0.20	0.20	0.20	0.20
Total Nitrogen (mg/L)	1.00	1.00	1.00	1.00
Orthophosphate Phosphorus (mg/L)	0.02	0.02	0.02	0.02
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	3.20	2.80	2.65	3.15
<i>E. coli</i> (cfu/100 mL)	8	7	17	13
Faecal Coliforms (cfu/100 mL)	8	20	28	21