

Water Quality Data of The Brothers Marine Park from July to September 2024 (3rd Quarter)

	West Brother		East Brother	
Water Depth	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	27.60		27.60	
Water Temperature (°C)	26.30	25.20	27.00	25.70
Salinity (‰)	20.05	24.20	17.50	21.80
Dissolved Oxygen (mg/L)	4.20	3.20	4.60	3.55
pH	7.80	7.80	7.80	7.75
Secchi Disc Depth (m)	1.2		1.6	
Turbidity (NTU)	3.00	3.50	3.00	4.50
Suspended Solids (mg/L)	2.50	4.00	3.50	5.00
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)	0.18	0.17	0.19	0.18
Nitrate Nitrogen (mg/L)	1.01	0.82	0.99	1.00
Total Inorganic Nitrogen (mg/L)	1.19	0.99	1.18	1.19
Total Kjeldahl Nitrogen (mg/L)	0.15	0.20	0.20	0.20
Total Nitrogen (mg/L)	1.40	1.20	1.40	1.35
Orthophosphate Phosphorus (mg/L)	0.04	0.03	0.04	0.04
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	1.10	0.75	0.80	0.85
<i>E. coli</i> (cfu/100 mL)	31	36	18	21
Faecal Coliforms (cfu/100 mL)	52	62	32	35