

Water Quality Data of The Brothers Marine Park from April to June 2024 (2nd Quarter)

	West Brother		East Brother	
Water Depth	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	27.50		27.50	
Temperature (°C)	26.40	25.70	26.00	25.90
Salinity (‰)	22.50	25.20	24.10	24.90
Dissolved Oxygen (mg/L)	12.60	7.50	10.40	9.80
pH	8.50	8.10	8.30	8.30
Secchi Disc Depth (m)	1.6		1.2	
Turbidity (NTU)	2.00	2.00	2.00	2.00
Suspended Solids (mg/L)	4.50	5.50	4.50	4.00
5-Day Biochemical Oxygen Demand (mg/L)	4.00	5.00	4.50	5.00
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)	0.02	0.02	0.01	0.02
Nitrate Nitrogen (mg/L)	0.46	0.44	0.44	0.44
Total Inorganic Nitrogen (mg/L)	0.47	0.46	0.46	0.46
Total Kjeldahl Nitrogen (mg/L)	0.40	0.40	0.40	0.40
Total Nitrogen (mg/L)	0.80	0.80	0.80	0.85
Orthophosphate Phosphorus (mg/L)	<0.01	<0.01	<0.01	<0.01
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	23.00	23.80	26.30	28.50
<i>E. coli</i> (cfu/100 mL)	1	0	1	1
Faecal Coliforms (cfu/100 mL)	2	1	3	1