

Water Quality Data of The Brothers Marine Park from January to March 2025 (1st Quarter)

	West Brother		East Brother	
Water Depth	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	17.8		17.8	
Temperature (°C)	18.40	17.90	18.00	17.80
Salinity (‰)	28.80	29.30	29.30	29.40
Dissolved Oxygen (mg/L)	7.25	6.90	6.90	6.70
pH	8.00	8.00	8.00	8.00
Secchi Disc Depth (m)	0.9		0.9	
Turbidity (NTU)	2.00	2.00	2.00	2.00
Suspended Solids (mg/L)	5.00	5.00	5.00	5.50
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.13	0.14	0.13	0.14
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.01	0.01	<0.01	0.01
Nitrate Nitrogen (mg/L)	0.21	0.21	0.22	0.22
Total Inorganic Nitrogen (mg/L)	0.36	0.36	0.36	0.36
Total Kjeldahl Nitrogen (mg/L)	0.30	0.30	0.30	0.30
Total Nitrogen (mg/L)	0.50	0.55	0.60	0.60
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- <i>a</i> (µg/L)	0.50	0.35	0.45	0.35
<i>E. coli</i> (cfu/100 mL)	6	6	13	9
Faecal Coliforms (cfu/100 mL)	12	10	20	16