

Water Quality Data of The Brothers Marine Park from October to December 2024 (4th Quarter)

	West Brother		East Brother	
Water Depth	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	20.1		20.1	
Temperature (°C)	24.70	24.90	24.50	24.70
Salinity (‰)	30.70	30.80	30.40	30.50
Dissolved Oxygen (mg/L)	5.75	5.50	6.20	5.80
pH	8.20	8.20	8.20	8.20
Secchi Disc Depth (m)	0.7		0.8	
Turbidity (NTU)	6.00	6.50	8.50	6.00
Suspended Solids (mg/L)	9.50	11.00	16.00	11.00
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.04	0.03	0.04	0.03
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.10	0.10	0.11	0.11
Nitrate Nitrogen (mg/L)	0.26	0.26	0.26	0.25
Total Inorganic Nitrogen (mg/L)	0.39	0.39	0.39	0.38
Total Kjeldahl Nitrogen (mg/L)	0.20	0.20	0.20	0.20
Total Nitrogen (mg/L)	0.60	0.60	0.60	0.60
Orthophosphate Phosphorus (mg/L)	0.03	0.03	0.03	0.03
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	0.60	0.45	0.40	0.35
<i>E. coli</i> (cfu/100 mL)	290	175	195	155
Faecal Coliforms (cfu/100 mL)	475	295	410	400