

**Water Quality Data of The Brothers Marine Park from January to March 2024 (1st Quarter)**

	West Brother		East Brother	
	Surface	Bottom	Surface	Bottom
Water Depth				
Air Temperature (°C)	18.1		18.1	
Temperature (°C)	19.50	19.40	19.60	19.40
Salinity (‰)	29.25	30.45	29.10	30.00
Dissolved Oxygen (mg/L)	7.10	6.80	7.30	7.05
pH	8.20	8.20	8.20	8.20
Secchi Disc Depth (m)	2.4		2.4	
Turbidity (NTU)	<1	<1	<1	<1
Suspended Solids (mg/L)	<2	<2	<2	<2
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.12	0.10	0.11	0.10
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)	0.33	0.30	0.31	0.30
Total Inorganic Nitrogen (mg/L)	0.44	0.40	0.42	0.40
Total Kjeldahl Nitrogen (mg/L)	0.40	0.40	0.40	0.40
Total Nitrogen (mg/L)	0.70	0.70	0.70	0.70
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)	1.35	1.40	1.60	1.35
<i>E. coli</i> (cfu/100 mL)	3	2	2	6
Faecal Coliforms (cfu/100 mL)	8	5	5	7