

Water Quality of The Brothers Marine Park in Year 2024

	West Brother		East Brother	
	Surface	Bottom	Surface	Bottom
Water Depth				
Air Temperature (°C)	23.33		23.33	
Temperature (°C)	24.23	23.80	24.28	23.93
Salinity (‰)	25.63	27.66	25.28	26.80
Dissolved Oxygen (mg/L)	7.41	5.75	7.13	6.55
pH	8.18	8.08	8.13	8.11
Secchi Disc Depth (m)	1.6		1.5	
Turbidity (NTU)	3.00	3.50	3.63	3.38
Suspended Solids (mg/L)	4.88	5.88	6.50	5.50
5-Day Biochemical Oxygen Demand (mg/L)	2.67	2.75	2.63	2.75
Ammoniacal Nitrogen (mg/L)	0.04	0.04	0.04	0.04
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.08	0.08	0.08	0.08
Nitrate Nitrogen (mg/L)	0.51	0.50	0.50	0.50
Total Inorganic Nitrogen (mg/L)	0.62	0.61	0.61	0.61
Total Kjeldahl Nitrogen (mg/L)	0.30	0.30	0.30	0.30
Total Nitrogen (mg/L)	0.88	0.86	0.88	0.88
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)	6.44	6.63	7.28	7.76
<i>E. coli</i> (cfu/100 mL)	78	49	54	46
Faecal Coliforms (cfu/100 mL)	129	84	112	111