

**Water Quality of The Brothers Marine Park in Year 2023**

	West Brother		East Brother	
	Surface	Bottom	Surface	Bottom
Water Depth	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	25.43		25.50	
Temperature (°C)	24.18	23.50	23.48	23.03
Salinity (‰)	26.75	27.98	26.98	27.85
Dissolved Oxygen (mg/L)	7.38	6.05	6.41	6.13
pH	7.88	7.95	7.95	7.95
Secchi Disc Depth (m)	0.6		1.0	
Turbidity (NTU)	4.63	4.50	3.75	3.88
Suspended Solids (mg/L)	8.75	8.00	7.13	6.00
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.05	0.06	0.07	0.07
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.36	0.36	0.36	0.36
Nitrate Nitrogen (mg/L)	0.12	0.13	0.13	0.13
Total Inorganic Nitrogen (mg/L)	0.55	0.55	0.56	0.56
Total Kjeldahl Nitrogen (mg/L)	0.28	0.26	0.30	0.31
Total Nitrogen (mg/L)	0.75	0.75	0.80	0.79
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)	1.66	1.59	1.65	1.79
<i>E. coli</i> (cfu/100 mL)	2	2	2	2
Faecal Coliforms (cfu/100 mL)	3	4	3	4