

**Water Quality of The Brothers Marine Park in Year 2022**

	West Brother		East Brother	
	Surface	Bottom	Surface	Bottom
Water Depth				
Air Temperature (°C)	23.63		23.75	
Temperature (°C)	23.60	23.59	23.55	23.66
Salinity (‰)	26.63	27.99	26.51	26.91
Dissolved Oxygen (mg/L)	7.80	6.65	6.75	6.80
pH	8.10	8.10	8.10	8.10
Secchi Disc Depth (m)	0.8		0.8	
Turbidity (NTU)	2.25	2.38	2.63	2.50
Suspended Solids (mg/L)	4.50	3.38	3.88	4.67
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.05	0.07	0.09	0.09
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.40	0.40	0.39	0.40
Nitrate Nitrogen (mg/L)	0.14	0.15	0.14	0.14
Total Inorganic Nitrogen (mg/L)	0.60	0.61	0.60	0.61
Total Kjeldahl Nitrogen (mg/L)	0.33	0.34	0.34	0.33
Total Nitrogen (mg/L)	0.86	0.86	0.86	0.85
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)	1.86	2.58	2.53	2.85
<i>E. coli</i> (cfu/100 mL)	13	13	20	17
Faecal Coliforms (cfu/100 mL)	26	27	33	28