

Water quality of The Brothers Marine Park in Year 2021

	West Brother		East Brother	
	Surface	Bottom	Surface	Bottom
Water Depth	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	23.58		23.60	
Temperature (°C)	24.60	23.50	24.40	24.01
Salinity (‰)	26.58	29.73	26.81	28.03
Dissolved Oxygen (mg/L)	7.98	5.95	6.43	6.20
pH	8.05	8.03	8.05	8.05
Secchi Disc Depth (m)	0.7		0.6	
Turbidity (NTU)	4.38	4.13	3.75	3.88
Suspended Solids (mg/L)	6.50	7.38	6.25	5.88
5-Day Biochemical Oxygen Demand (mg/L)	2.13	2.88	<2	<2
Ammoniacal Nitrogen (mg/L)	0.04	0.04	0.03	0.03
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.06	0.11	0.07	0.07
Nitrate Nitrogen (mg/L)	0.51	0.52	0.54	0.54
Total Inorganic Nitrogen (mg/L)	0.61	0.54	0.63	0.63
Total Kjeldahl Nitrogen (mg/L)	0.38	0.40	0.38	0.35
Total Nitrogen (mg/L)	0.93	0.98	1.00	0.95
Orthophosphate Phosphorus (mg/L)	0.02	0.02	0.01	0.02
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	3.95	4.05	4.43	4.10
<i>E. coli</i> (cfu/100 mL)	8	21	8	12
Faecal Coliforms (cfu/100 mL)	36	54	24	34