

Water Quality Data of The Brothers Marine Park from January to March 2023 (1st Quarter)

	West Brother		East Brother	
Water Depth	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	16.2		16.3	
Temperature (°C)	18.20	18.20	16.30	16.30
Salinity (‰)	31.00	31.00	30.80	30.80
Dissolved Oxygen (mg/L)	7.90	7.90	7.90	7.90
pH	7.50	7.50	7.50	7.50
Secchi Disc Depth (m)	0.1		0.3	
Turbidity (NTU)	<1	<1	<1	<1
Suspended Solids (mg/L)	2.50	<2	2.50	2.50
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.12	0.13	0.14	0.13
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)	0.17	0.17	0.17	0.17
Total Inorganic Nitrogen (mg/L)	0.29	0.30	0.31	0.30
Total Kjeldahl Nitrogen (mg/L)	0.40	0.40	0.40	0.40
Total Nitrogen (mg/L)	0.55	0.60	0.60	0.55
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)	0.60	0.50	0.45	0.45
<i>E. coli</i> (cfu/100 mL)	1	2	3	1
Faecal Coliforms (cfu/100 mL)	3	2	3	4