

Water Quality Data of The Brothers Marine Park from January to March 2022 (1st Quarter)

	West Brother		East Brother	
	Surface	Bottom	Surface	Bottom
Water Depth				
Air Temperature (°C)	15.5		15.5	
Temperature (°C)	17.40	17.40	17.40	17.40
Salinity (‰)	31.40	31.40	31.50	31.50
Dissolved Oxygen (mg/L)	7.80	7.70	7.70	7.60
pH	8.30	8.30	8.30	8.30
Secchi Disc Depth (m)	0.9		0.7	
Turbidity (NTU)	2.00	2.00	2.50	2.50
Suspended Solids (mg/L)	3.50	3.00	3.50	4.00
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.09	0.09	0.09	0.09
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.02	0.01	0.01	<0.01
Nitrate Nitrogen (mg/L)	0.20	0.22	0.21	0.22
Total Inorganic Nitrogen (mg/L)	0.30	0.31	0.31	0.32
Total Kjeldahl Nitrogen (mg/L)	0.30	0.30	0.35	0.30
Total Nitrogen (mg/L)	0.55	0.50	0.55	0.50
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)	1.75	2.00	2.15	1.90
<i>E. coli</i> (cfu/100 mL)	0	1	2	2
Faecal Coliforms (cfu/100 mL)	0	2	3	3