

Water Quality Data of The Brothers Marine Park from October to December 2022 (4th Quarter)

	West Brother		East Brother	
Water Depth	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	22.4		22.4	
Temperature (°C)	23.80	23.80	23.80	23.80
Salinity (‰)	33.10	33.20	33.10	33.40
Dissolved Oxygen (mg/L)	7.80	6.50	6.60	6.50
pH	8.20	8.20	8.20	8.20
Secchi Disc Depth (m)	0.7		0.8	
Turbidity (NTU)	3.00	3.50	4.00	3.50
Suspended Solids (mg/L)	7.50	6.00	6.50	7.50
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.10	0.09	0.09	0.09
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.05	0.05	0.05	0.05
Nitrate Nitrogen (mg/L)	0.27	0.28	0.28	0.28
Total Inorganic Nitrogen (mg/L)	0.42	0.42	0.42	0.42
Total Kjeldahl Nitrogen (mg/L)	0.30	0.35	0.30	0.30
Total Nitrogen (mg/L)	0.60	0.65	0.60	0.60
Orthophosphate Phosphorus (mg/L)	0.03	0.05	0.02	0.02
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	1.95	1.45	1.60	1.70
<i>E. coli</i> (cfu/100 mL)	37	39	44	43
Faecal Coliforms (cfu/100 mL)	61	62	68	68