

Water Quality Data of The Brothers Marine Park from April to June 2023 (2nd Quarter)

	West Brother		East Brother	
Water Depth	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	29.6		29.6	
Temperature (°C)	26.40	26.20	26.00	26.00
Salinity (‰)	24.50	24.60	24.80	24.80
Dissolved Oxygen (mg/L)	7.80	6.60	6.50	6.50
pH	8.00	8.10	8.10	8.00
Secchi Disc Depth (m)	0.4		0.4	
Turbidity (NTU)	10.50	11.50	9.00	8.50
Suspended Solids (mg/L)	18.50	19.50	17.00	14.00
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	<0.01	0.05	0.05	0.05
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.67	0.66	0.69	0.68
Nitrate Nitrogen (mg/L)	0.04	0.04	0.03	0.03
Total Inorganic Nitrogen (mg/L)	0.77	0.75	0.76	0.76
Total Kjeldahl Nitrogen (mg/L)	0.20	0.20	0.40	0.35
Total Nitrogen (mg/L)	0.95	0.90	1.10	1.05
Orthophosphate Phosphorus (mg/L)	0.01	0.01	0.01	0.01
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	3.50	3.25	3.20	3.90
<i>E. coli</i> (cfu/100 mL)	0	2	3	4
Faecal Coliforms (cfu/100 mL)	0	5	9	10