

Water Quality Data of The Brothers Marine Park from January to March 2021 (1st Quarter)

	West Brother		East Brother	
Water Depth	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	20.8		20.8	
Temperature (°C)	19.80	19.60	19.90	19.80
Salinity (‰)	29.90	29.90	29.50	29.60
Dissolved Oxygen (mg/L)	8.50	8.50	8.70	8.70
pH	8.20	8.20	8.20	8.20
Secchi Disc Depth (m)	0.9		0.7	
Turbidity (NTU)	3.00	2.00	3.00	2.00
Suspended Solids (mg/L)	4.50	3.50	4.50	3.00
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.07	0.06	0.05	0.03
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)	0.18	0.19	0.21	0.21
Total Inorganic Nitrogen (mg/L)	0.26	0.24	0.26	0.24
Total Kjeldahl Nitrogen (mg/L)	0.50	0.40	0.45	0.40
Total Nitrogen (mg/L)	0.60	0.60	0.65	0.60
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)	6.15	7.30	8.40	7.75
<i>E. coli</i> (cfu/100 mL)	13	70	20	33
Faecal Coliforms (cfu/100 mL)	104	175	65	102