

Water Quality Data of The Brothers Marine Park from January to March 2019 (1st Quarter)

	West Brother		East Brother	
	Surface	Bottom	Surface	Bottom
Water Depth				
Air Temperature (°C)	15.5		15.5	
Temperature (°C)	19.00	19.00	18.90	19.00
Salinity (‰)	33.40	33.40	33.40	33.40
Dissolved Oxygen (mg/L)	7.30	7.20	7.50	7.30
pH	8.10	8.10	8.10	8.10
Secchi Disc Depth (m)	1.8		1.8	
Turbidity (NTU)	<1	<1	<1	<1
Suspended Solids (mg/L)	5.00	2.50	7.00	5.50
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.05	0.05	0.07	0.04
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.09	0.09	0.09	0.09
Nitrate Nitrogen (mg/L)	0.02	0.02	0.02	0.02
Total Inorganic Nitrogen (mg/L)	0.16	0.16	0.18	0.15
Total Kjeldahl Nitrogen (mg/L)	0.25	0.20	0.30	0.20
Total Nitrogen (mg/L)	0.35	0.30	0.40	0.30
Orthophosphate Phosphorus (mg/L)	0.02	0.02	<0.01	0.02
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	1.20	0.80	0.80	0.75
<i>E. coli</i> (cfu/100 mL)	4	7	2	3
Faecal Coliforms (cfu/100 mL)	6	9	3	3