

Water Quality Data of The Brothers Marine Park from January to March 2017 (1st Quarter)

	East Brother		West Brother	
	Surface	Bottom	Surface	Bottom
Water Depth				
Air Temperature (°C)	14.4		13.8	
Temperature (°C)	17.50	17.50	17.60	17.60
Salinity (‰)	29.60	29.60	29.50	29.50
Dissolved Oxygen (mg/L)	7.80	7.65	7.80	7.65
pH	7.90	7.90	7.90	7.90
Secchi Disc Depth (m)	1.1		1.2	
Turbidity (NTU)	7.00	12.50	6.00	7.00
Suspended Solids (mg/L)	12.00	21.50	8.50	12.50
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.10	0.10	0.09	0.11
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.33	0.33	0.32	0.33
Nitrate Nitrogen (mg/L)	0.04	0.04	0.04	0.04
Total Inorganic Nitrogen (mg/L)	0.46	0.46	0.45	0.48
Total Kjeldahl Nitrogen (mg/L)	0.35	0.35	0.45	0.40
Total Nitrogen (mg/L)	0.70	0.75	0.80	0.70
Orthophosphate Phosphorus (mg/L)	0.04	0.04	0.03	0.03
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	0.85	1.00	0.75	0.75
<i>E. coli</i> (cfu/100 mL)	240	205	255	290
Faecal Coliforms (cfu/100 mL)	440	390	535	630