

Water quality of The Brothers Marine Park in Year 2018

	West Brother		East Brother	
	Surface	Bottom	Surface	Bottom
Water Depth				
Air Temperature (°C)	25.15		25.20	
Temperature (°C)	24.94	24.80	24.88	24.66
Salinity (‰)	24.88	25.88	24.70	26.04
Dissolved Oxygen (mg/L)	7.98	7.23	7.23	7.03
pH	8.08	8.00	8.05	8.03
Secchi Disc Depth (m)	1.9		1.9	
Turbidity (NTU)	4.13	4.25	4.50	4.50
Suspended Solids (mg/L)	9.13	10.75	10.88	10.88
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.04	0.04	0.04	0.04
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.70	0.69	0.60	0.58
Nitrate Nitrogen (mg/L)	0.08	0.08	0.20	0.20
Total Inorganic Nitrogen (mg/L)	0.82	0.81	0.84	0.82
Total Kjeldahl Nitrogen (mg/L)	0.30	0.33	0.31	0.30
Total Nitrogen (mg/L)	1.08	1.09	1.10	1.09
Orthophosphate Phosphorus (mg/L)	0.01	0.02	0.01	0.01
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	8.78	9.00	8.21	7.53
<i>E. coli</i> (cfu/100 mL)	27	23	36	31
Faecal Coliforms (cfu/100 mL)	47	49	58	56