

**Water Quality Data of The Brothers Marine Park from July to September 2022 (3rd Quarter)**

|                                        | West Brother |        | East Brother |         |
|----------------------------------------|--------------|--------|--------------|---------|
| Water Depth                            | Surface      | Bottom | Surface      | Bottom  |
| Air Temperature (°C)                   | 31.8         |        | 32.2         |         |
| Water Temperature (°C)                 | 28.30        | 28.80  | 28.40        | 28.75   |
| Salinity (‰)                           | 20.60        | 18.50  | 20.00        | 18.15   |
| Dissolved Oxygen (mg/L)                | 7.80         | 6.50   | 6.00         | 6.50    |
| pH                                     | 7.80         | 7.80   | 7.80         | 7.80    |
| Secchi Disc Depth (m)                  | 0.8          |        | 0.9          |         |
| Turbidity (NTU)                        | 2.00         | 2.00   | 2.00         | 2.00    |
| Suspended Solids (mg/L)                | 3.00         | 2.00   | 2.00         | #DIV/0! |
| 5-Day Biochemical Oxygen Demand (mg/L) | <2           | <2     | <2           | <2      |
| Ammoniacal Nitrogen (mg/L)             | <0.01        | <0.01  | <0.01        | <0.01   |
| Unionized Ammonia (mg/L)               | <0.01        | <0.01  | <0.01        | <0.01   |
| Nitrite Nitrogen (mg/L)                | 0.76         | 0.78   | 0.76         | 0.78    |
| Nitrate Nitrogen (mg/L)                | 0.04         | 0.05   | 0.04         | 0.04    |
| Total Inorganic Nitrogen (mg/L)        | 0.81         | 0.83   | 0.80         | 0.82    |
| Total Kjeldahl Nitrogen (mg/L)         | 0.20         | 0.20   | 0.20         | 0.20    |
| Total Nitrogen (mg/L)                  | 1.00         | 1.00   | 1.00         | 1.00    |
| Orthophosphate Phosphorus (mg/L)       | 0.02         | 0.02   | 0.02         | 0.02    |
| Total Phosphorus (mg/L)                | <0.1         | <0.1   | <0.1         | <0.1    |
| Chlorophyll-a (µg/L)                   | 3.20         | 2.80   | 2.65         | 3.15    |
| <i>E. coli</i> (cfu/100 mL)            | 8            | 7      | 17           | 13      |
| Faecal Coliforms (cfu/100 mL)          | 8            | 20     | 28           | 21      |