

**Water Quality Data of Cape D' Aguilar Marine Reserve from October to December 2024 (4th Quarter)**

|                                        | Hok Tsui Wan |        | Telegraph Bay |        |
|----------------------------------------|--------------|--------|---------------|--------|
| Water Depth                            | Surface      | Bottom | Surface       | Bottom |
| Air Temperature (°C)                   | 19.30        |        | 19.30         |        |
| Temperature (°C)                       | 23.80        | 24.00  | 23.80         | 23.90  |
| Salinity (‰)                           | 31.00        | 31.10  | 31.00         | 31.00  |
| Dissolved Oxygen (mg/L)                | 6.80         | 6.70   | 6.90          | 6.80   |
| pH                                     | 8.30         | 8.30   | 8.30          | 8.30   |
| Secchi Disc Depth (m)                  | 1.3          |        | 1.5           |        |
| Turbidity (NTU)                        | 8.50         | 9.50   | 8.50          | 8.00   |
| Suspended Solids (mg/L)                | 11.00        | 11.00  | 12.50         | 12.00  |
| 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)                | 0.02         | <0.01  | 0.01          | 0.03   |
| Nitrate Nitrogen (mg/L)                | 0.21         | 0.21   | 0.21          | 0.19   |
| Total Inorganic Nitrogen (mg/L)        | 0.22         | 0.21   | 0.22          | 0.22   |
| Total Kjeldahl Nitrogen (mg/L)         | 0.20         | 0.20   | 0.20          | 0.15   |
| Total Nitrogen (mg/L)                  | 0.40         | 0.40   | 0.40          | 0.40   |
| 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)                   | 0.50         | 0.35   | 0.35          | 0.25   |
| <i>E. coli</i> (cfu/100 mL)            | 10           | 14     | 13            | 14     |
| Faecal Coliforms (cfu/100 mL)          | 34           | 38     | 27            | 32     |