

**Water Quality Data of South Lantau Marine Park from October to December 2024 (4th Quarter)**

|                                        | Siu A Chau |        | Ko Pai  |        |
|----------------------------------------|------------|--------|---------|--------|
| Water Depth                            | Surface    | Bottom | Surface | Bottom |
| Air Temperature (°C)                   | 18.80      |        | 18.80   |        |
| Temperature (°C)                       | 23.60      | 23.70  | 23.70   | 23.70  |
| Salinity (‰)                           | 31.30      | 31.30  | 26.90   | 29.40  |
| Dissolved Oxygen (mg/L)                | 6.60       | 6.40   | 6.70    | 6.40   |
| pH                                     | 8.30       | 8.30   | 8.20    | 8.20   |
| Secchi Disc Depth (m)                  | 1.8        |        | 2.1     |        |
| Turbidity (NTU)                        | 7.00       | 8.00   | 7.00    | 7.00   |
| Suspended Solids (mg/L)                | 9.50       | 10.00  | 8.50    | 9.50   |
| 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    | 0.02   |
| Nitrate Nitrogen (mg/L)                | 0.16       | 0.17   | 0.17    | 0.14   |
| Total Inorganic Nitrogen (mg/L)        | 0.18       | 0.18   | 0.18    | 0.17   |
| Total Kjeldahl Nitrogen (mg/L)         | 0.20       | 0.30   | 0.20    | 0.20   |
| Total Nitrogen (mg/L)                  | 0.40       | 0.50   | 0.35    | 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)                   | 0.10       | 0.20   | 0.15    | 0.20   |
| <i>E. coli</i> (cfu/100 mL)            | 1          | 2      | 1       | 1      |
| Faecal Coliforms (cfu/100 mL)          | 32         | 35     | 20      | 14     |