

Water Quality Data of South West Lantau Marine Park from January to March 2024 (1st Quarter)

| | Yi O | | Fan Lau West | | Fan Lau East | | Pak Kok | |
|--|---------|--------|--------------|--------|--------------|--------|---------|--------|
| | Surface | Bottom | Surface | Bottom | Surface | Bottom | Surface | Bottom |
| Water Depth | | | | | | | | |
| Air Temperature (°C) | 15.2 | | 15.2 | | 15.2 | | 15.2 | |
| Temperature (°C) | 19.60 | 19.60 | 19.50 | 19.50 | 19.90 | 19.90 | 19.90 | 19.90 |
| Salinity (‰) | 33.40 | 33.80 | 33.80 | 33.85 | 35.60 | 35.60 | 35.60 | 35.60 |
| Dissolved Oxygen (mg/L) | 7.40 | 7.30 | 7.40 | 7.30 | 7.10 | 7.00 | 7.20 | 7.10 |
| pH | 8.40 | 8.40 | 8.40 | 8.40 | 8.30 | 8.30 | 8.30 | 8.40 |
| Secchi Disc Depth (m) | 1.9 | | 1.0 | | 1.0 | | 1.4 | |
| Turbidity (NTU) | 3.00 | 3.00 | 3.50 | 3.50 | 3.00 | 3.00 | 3.00 | 3.00 |
| Suspended Solids (mg/L) | 5.00 | 4.50 | 5.50 | 5.50 | 5.00 | 5.50 | 7.00 | 5.50 |
| 5-Day Biochemical Oxygen Demand (mg/L) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Ammoniacal Nitrogen (mg/L) | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.02 |
| Unionized Ammonia (mg/L) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Nitrite Nitrogen (mg/L) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.01 | <0.01 | <0.01 |
| Nitrate Nitrogen (mg/L) | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 | 0.03 |
| Total Inorganic Nitrogen (mg/L) | 0.06 | 0.06 | 0.06 | 0.05 | 0.07 | 0.06 | 0.07 | 0.06 |
| Total Kjeldahl Nitrogen (mg/L) | 0.20 | 0.20 | 0.25 | 0.25 | 0.25 | 0.25 | 0.20 | 0.25 |
| Total Nitrogen (mg/L) | 0.25 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.25 | 0.25 |
| Orthophosphate Phosphorus (mg/L) | <0.01 | <0.01 | <0.01 | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 |
| Total Phosphorus (mg/L) | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Chlorophyll-a (µg/L) | 2.20 | 2.35 | 1.90 | 2.40 | 2.15 | 2.20 | 2.35 | 1.85 |
| <i>E. coli</i> (cfu/100 mL) | 1 | 1 | 3 | 2 | 1 | 2 | 2 | 3 |
| Faecal Coliforms (cfu/100 mL) | 2 | 22 | 3 | 19 | 20 | 23 | 19 | 6 |