

Water Quality Data of South West Lantau Marine Park from July to September 2023 (3rd Quarter)

| | Yi O | | Fan Lau West | | Fan Lau East | | Pak Kok | |
|--|---------|--------|--------------|--------|--------------|--------|---------|--------|
| | Surface | Bottom | Surface | Bottom | Surface | Bottom | Surface | Bottom |
| Water Depth | | | | | | | | |
| Air Temperature (°C) | 29.7 | | 29.5 | | 29.5 | | 29.5 | |
| Water Temperature (°C) | 29.30 | 24.70 | 27.10 | 25.10 | 28.40 | 28.20 | 27.90 | 24.70 |
| Salinity (‰) | 20.90 | 34.30 | 30.60 | 33.60 | 24.80 | 25.80 | 28.30 | 34.30 |
| Dissolved Oxygen (mg/L) | 6.00 | 4.10 | 6.20 | 4.40 | 6.50 | 6.20 | 6.70 | 3.80 |
| pH | 8.00 | 7.90 | 8.00 | 7.90 | 8.00 | 8.00 | 8.10 | 7.90 |
| Secchi Disc Depth (m) | 0.5 | | 0.3 | | 0.3 | | 0.5 | |
| Turbidity (NTU) | 3.00 | 3.00 | 3.00 | 3.00 | 3.50 | 4.00 | 4.50 | 4.50 |
| Suspended Solids (mg/L) | 3.50 | 4.00 | 5.00 | 5.50 | 4.00 | 8.00 | 6.00 | 6.50 |
| 5-Day Biochemical Oxygen Demand (mg/L) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Ammoniacal Nitrogen (mg/L) | <0.01 | <0.01 | 0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Unionized Ammonia (mg/L) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Nitrite Nitrogen (mg/L) | 0.12 | 0.09 | 0.06 | 0.06 | 0.09 | 0.10 | 0.08 | 0.07 |
| Nitrate Nitrogen (mg/L) | 0.93 | 0.54 | 0.09 | 0.06 | 0.75 | 0.75 | 0.34 | 0.33 |
| Total Inorganic Nitrogen (mg/L) | 1.05 | 0.64 | 0.38 | 0.38 | 0.84 | 0.84 | 0.42 | 0.41 |
| Total Kjeldahl Nitrogen (mg/L) | 0.15 | 0.15 | 0.20 | 0.20 | 0.10 | 0.10 | 0.20 | 0.20 |
| Total Nitrogen (mg/L) | 1.20 | 0.75 | 0.50 | 0.55 | 1.00 | 1.00 | 0.60 | 0.60 |
| Orthophosphate Phosphorus (mg/L) | 0.02 | 0.02 | <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) | 12.20 | 3.70 | 6.90 | 6.80 | 8.80 | 7.70 | 5.90 | 7.30 |
| <i>E. coli</i> (cfu/100 mL) | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 1 |
| Faecal Coliforms (cfu/100 mL) | 0 | 7 | 3 | 3 | 1 | 1 | 1 | 2 |