

Water Quality of Yan Chau Tong Marine Park in Year 2023

| | Yan Chau Tong | | Lai Chi Wo | | Kau Ma Shek | |
|--|---------------|--------|------------|--------|-------------|--------|
| | Surface | Bottom | Surface | Bottom | Surface | Bottom |
| Water Depth | | | | | | |
| Air Temperature (°C) | 24.50 | | 24.50 | | 24.50 | |
| Temperature (°C) | 24.15 | 22.63 | 23.85 | 22.83 | 24.08 | 22.90 |
| Salinity (‰) | 31.95 | 32.65 | 32.03 | 32.55 | 31.95 | 32.53 |
| Dissolved Oxygen (mg/L) | 8.08 | 5.58 | 8.05 | 6.25 | 8.18 | 6.80 |
| pH | 8.15 | 7.95 | 8.15 | 8.05 | 8.13 | 8.05 |
| Secchi Disc Depth (m) | 2.4 | | 1.8 | | 1.8 | |
| Turbidity (NTU) | 1.00 | 1.25 | 1.25 | 1.25 | 1.13 | 1.38 |
| Suspended Solids (mg/L) | 2.38 | 3.25 | 2.38 | 3.00 | 2.75 | 2.75 |
| 5-Day Biochemical Oxygen Demand (mg/L) | 2.25 | 2.25 | <2 | <2 | 2.38 | 2.38 |
| Ammoniacal Nitrogen (mg/L) | 0.02 | 0.01 | <0.01 | <0.01 | 0.01 | 0.02 |
| Unionized Ammonia (mg/L) | <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 |
| Nitrate Nitrogen (mg/L) | <0.01 | <0.01 | 0.01 | <0.01 | 0.01 | <0.01 |
| Total Inorganic Nitrogen (mg/L) | 0.02 | <0.02 | 0.03 | 0.02 | 0.02 | 0.03 |
| Total Kjeldahl Nitrogen (mg/L) | 0.26 | 0.25 | 0.25 | 0.26 | 0.25 | 0.25 |
| Total Nitrogen (mg/L) | 0.26 | 0.25 | 0.26 | 0.26 | 0.26 | 0.26 |
| Orthophosphate Phosphorus (mg/L) | <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 |
| Chlorophyll-a (µg/L) | 3.53 | 3.39 | 3.75 | 4.54 | 4.76 | 4.78 |
| <i>E. coli</i> (cfu/100 mL) | 1 | 1 | 1 | 4 | 2 | 1 |
| Faecal Coliforms (cfu/100 mL) | 9 | 5 | 6 | 6 | 6 | 4 |