

Water Quality Data of Sha Chau & Lung Kwu Chau Marine Park from October to December 2017 (4th Quarter)

| | Lung Kwu Chau North | | Pak Chau | | Sha Chau East | |
|--|---------------------|--------|----------|--------|---------------|--------|
| | Surface | Bottom | Surface | Bottom | Surface | Bottom |
| Water Depth | | | | | | |
| Air Temperature (°C) | 24.70 | | 28.20 | | 28.20 | |
| Temperature (°C) | 26.00 | 26.30 | 26.10 | 26.20 | 26.30 | 26.20 |
| Salinity (‰) | 23.70 | 31.20 | 25.40 | 29.90 | 27.75 | 30.90 |
| Dissolved Oxygen (mg/L) | 6.30 | 5.90 | 6.35 | 6.10 | 6.30 | 6.10 |
| pH | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.10 |
| Secchi Disc Depth (m) | 2.1 | | 2.0 | | 2.0 | |
| Turbidity (NTU) | 3.00 | 9.00 | 2.50 | 4.00 | 2.00 | 3.50 |
| Suspended Solids (mg/L) | 4.00 | 15.50 | 5.00 | 7.50 | 3.50 | 7.00 |
| 5-Day Biochemical Oxygen Demand (mg/L) | <2 | <2 | <2 | <2 | <2 | <2 |
| Ammoniacal Nitrogen (mg/L) | 0.06 | 0.02 | 0.03 | 0.02 | 0.01 | 0.01 |
| Unionized Ammonia (mg/L) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Nitrite Nitrogen (mg/L) | 0.23 | 0.13 | 0.23 | 0.16 | 0.23 | 0.15 |
| Nitrate Nitrogen (mg/L) | 0.88 | 0.28 | 0.88 | 0.53 | 0.80 | 0.43 |
| Total Inorganic Nitrogen (mg/L) | 1.17 | 0.42 | 1.13 | 0.71 | 1.04 | 0.59 |
| Total Kjeldahl Nitrogen (mg/L) | 0.40 | 0.25 | 0.30 | 0.30 | 0.30 | 0.20 |
| Total Nitrogen (mg/L) | 1.50 | 0.65 | 1.40 | 1.00 | 1.30 | 0.80 |
| Orthophosphate Phosphorus (mg/L) | 0.03 | 0.02 | 0.03 | 0.02 | 0.04 | 0.02 |
| Total Phosphorus (mg/L) | <0.1 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 |
| Chlorophyll- <i>a</i> (µg/L) | 1.75 | 2.15 | 1.75 | 1.55 | 1.60 | 1.55 |
| <i>E. coli</i> (cfu/100 mL) | 18 | 160 | 5 | 109 | 12 | 150 |
| Faecal Coliforms (cfu/100 mL) | 32 | 295 | 7 | 200 | 17 | 245 |