

### Water quality data of Yan Chau Tong Marine Park from October to December 2009 (Forth Quarter)

|                                  | Yan Chau Tong |        | Lai Chi Wo |        | Kau Ma Shek |        |
|----------------------------------|---------------|--------|------------|--------|-------------|--------|
| No. of Sample                    | 1             |        | 1          |        | 1           |        |
| Depth (m)                        | Surface       | Bottom | Surface    | Bottom | Surface     | Bottom |
| Air Temperature (°C)             | 16.2          |        | 15.6       |        | 16.7        |        |
| Temperature (°C)                 | 21.09         | 21     | 21.1       | 20.84  | 20.91       | 20.86  |
| Salinity (ppt)                   | 32.47         | 32.55  | 32.32      | 32.31  | 32.31       | 32.3   |
| DO (mg/L)                        | 6.82          | 6.69   | 6.28       | 6.37   | 6.86        | 7.02   |
| pH                               | 8.31          | 8.28   | 8.26       | 8.21   | 8.29        | 8.29   |
| Secchi depth (m)                 | 4             |        | 3.5        |        | 3.5         |        |
| Turbidity (NTU)                  | 0.6           | 2.3    | 1.4        | 2      | 1.5         | 2.5    |
| Suspended solids (mg/L)          | 1.3           | 2      | 2.3        | 2.7    | 1.8         | 5.7    |
| BOD <sub>5</sub> (mg/L)          | 0.94          | 0.87   | 0.97       | 1.15   | 1.05        | 0.95   |
| Ammoniacal nitrogen (mg/L)       | 0.02          | 0.02   | 0.03       | 0.02   | 0.01        | 0.01   |
| Unionized ammonia (mg/L)         | 0.002         | 0.002  | 0.002      | 0.002  | 0.001       | 0.001  |
| Nitrite nitrogen (mg/L)          | 0.01          | 0.01   | 0.02       | 0.01   | 0.01        | 0.03   |
| Nitrate nitrogen (mg/L)          | 0.07          | 0.08   | 0.06       | 0.08   | 0.08        | 0.06   |
| TIN (mg/L)                       | 0.1           | 0.11   | 0.11       | 0.11   | 0.1         | 0.1    |
| TKN (mg/L)                       | 0.26          | 0.23   | 0.14       | 0.25   | 0.23        | 0.21   |
| TN (mg/L)                        | 0.34          | 0.32   | 0.22       | 0.34   | 0.32        | 0.3    |
| Orthophosphate phosphorus (mg/L) | 0.06          | 0.06   | 0.08       | 0.1    | 0.07        | 0.06   |
| TP (mg/L)                        | 0.11          | 0.11   | 0.1        | 0.13   | 0.08        | 0.07   |
| Chlorophyll-a (µg/L)             | 1.3           | 1.29   | 1.23       | 1.51   | 1.54        | 1.4    |
| <i>E. coli</i> (CFU/100 mL)      | 0             | 0      | 0          | 0      | 0           | 0      |
| Faecal coliforms (CFU/100 mL)    | 0             | 2      | 0          | 0      | 2           | 1      |

ND: Not detectable