

### Water quality data of Tung Ping Chau Marine Park from January to March 2009 (First Quarter)

|                                  | Ma Kok Tsui |        | Cheung Sha Wan |        |
|----------------------------------|-------------|--------|----------------|--------|
| No. of Sample                    | 1           |        | 1              |        |
| Depth (m)                        | Surface     | Bottom | Surface        | Bottom |
| Air Temperature (°C)             | 23.9        |        | 23.7           |        |
| Temperature (°C)                 | 19.6        | 18.93  | 19.56          | 19.02  |
| Salinity (ppt)                   | 33.3        | 33.3   | 33.3           | 33.3   |
| DO (mg/L)                        | 7.26        | 6.81   | 7.9            | 7.08   |
| pH                               | 8.36        | 8.32   | 8.38           | 8.37   |
| Secchi depth (m)                 | 5           |        | 5              |        |
| Turbidity (NTU)                  | 0.2         | 0.9    | 0.6            | 0.7    |
| Suspended solids (mg/L)          | 1.08        | 1.51   | 2.93           | 1.17   |
| BOD <sub>5</sub> (mg/L)          | 1.38        | 0.6    | 2.22           | 0.59   |
| Ammoniacal nitrogen (mg/L)       | 0.02        | 0.01   | 0.02           | 0.03   |
| Unionized ammonia (mg/L)         | 0.001       | 0.001  | 0.001          | 0.002  |
| Nitrite nitrogen (mg/L)          | ND          | ND     | 0.03           | 0.02   |
| Nitrate nitrogen (mg/L)          | 0.03        | 0.04   | 0.03           | 0.03   |
| TIN (mg/L)                       | 0.05        | 0.05   | 0.08           | 0.08   |
| TKN (mg/L)                       | 0.03        | 0.03   | 0.05           | 0.03   |
| TN (mg/L)                        | 0.06        | 0.07   | 0.12           | 0.09   |
| Orthophosphate phosphorus (mg/L) | 0.02        | 0.03   | 0.01           | ND     |
| TP (mg/L)                        | 0.12        | 0.12   | 0.12           | 0.12   |
| Chlorophyll-a (µg/L)             | 2.04        | 1.7    | 2.05           | 1.68   |
| <i>E. coli</i> (CFU/100 mL)      | 0           | 0      | 0              | 0      |
| Fecal coliforms (CFU/100 mL)     | 0           | 210    | 30             | 5      |

ND: Not detectable