

### Water quality data of Yan Chau Tong Marine Park from April to June 2008 (Second 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)             | 23.9          |        | 24         |        | 24.1        |        |
| Temperature (°C)                 | 25.41         | 23.79  | 25.4       | 25.08  | 25.46       | 24.61  |
| Salinity (ppt)                   | 33.2          | 33.6   | 32.8       | 33.3   | 33.1        | 33.3   |
| DO (mg/L)                        | 6.12          | 1.3    | 5.71       | 5.16   | 5.98        | 3.44   |
| pH                               | 8.26          | 7.97   | 8.2        | 8.21   | 8.22        | 8.19   |
| Secchi depth (m)                 | 5             |        | 3          |        | 3           |        |
| Turbidity (NTU)                  | 1             | 1      | 1.2        | 1.8    | 1.5         | 1.6    |
| Suspended solids (mg/L)          | 0.59          | 1.56   | 1.36       | 2.15   | 1.05        | 1.24   |
| BOD <sub>5</sub> (mg/L)          | 1.06          | 1.24   | 1.3        | 1.01   | 1.31        | 0.95   |
| Ammoniacal nitrogen (mg/L)       | 0.04          | 0.02   | 0.04       | 0.02   | 0.05        | 0.04   |
| Unionized ammonia (mg/L)         | 0.003         | 0.003  | 0.004      | 0.002  | 0.005       | 0.004  |
| Nitrite nitrogen (mg/L)          | 0.03          | 0.02   | 0.02       | 0.02   | 0.03        | 0.02   |
| Nitrate nitrogen (mg/L)          | 0.08          | 0.06   | 0.09       | 0.06   | 0.06        | 0.07   |
| TIN (mg/L)                       | 0.14          | 0.1    | 0.15       | 0.1    | 0.13        | 0.13   |
| TKN (mg/L)                       | 0.09          | 0.1    | 0.1        | 0.11   | 0.1         | 0.11   |
| TN (mg/L)                        | 0.2           | 0.18   | 0.21       | 0.18   | 0.19        | 0.2    |
| Orthophosphate phosphorus (mg/L) | 0.06          | 0.06   | 0.07       | 0.06   | 0.07        | 0.07   |
| TP (mg/L)                        | 0.7           | 0.62   | 0.62       | 0.68   | 0.66        | 0.59   |
| Chlorophyll-a (µg/L)             | 1.8           | 2.14   | 4.11       | 2.79   | 4.5         | 2.28   |
| <i>E. coli</i> (CFU/100 mL)      | 0             | 0      | 0          | 0      | 0           | 0      |
| Fecal coliforms (CFU/100 mL)     | 0             | 0      | 10         | 0      | 0           | 0      |