

**Water quality data of Sha Chau & Lung Kwu Chau Marine Park from Apr to Jun 2007 (Second Quarter)**

|                                  | Lung Kwu Chau North |        | Pak Chau |        |
|----------------------------------|---------------------|--------|----------|--------|
| No. of Sample                    | 1                   |        | 1        |        |
| Depth (m)                        | Surface             | Bottom | Surface  | Bottom |
| Air Temperature (°C)             | 31.2                |        | 32.8     |        |
| Temperature (°C)                 | 26.99               | 26.35  | 27.28    | 26.29  |
| Salinity (ppt)                   | 25.1                | 28.1   | 25.1     | 29.6   |
| DO (mg/L)                        | 6.49                | 6.64   | 7.3      | 7.25   |
| pH                               | 7.99                | 8.09   | 8.15     | 8.18   |
| Secchi depth (m)                 | 1.7                 |        | 1.7      |        |
| Turbidity (NTU)                  | 3                   | 10.4   | 2.3      | 10.4   |
| Suspended solids (mg/L)          | 2.99                | 12.59  | 2.03     | 12.6   |
| BOD <sub>5</sub> (mg/L)          | 0.52                | 0.57   | 0.71     | 0.83   |
| Ammoniacal nitrogen (mg/L)       | 0.17                | 0.11   | 0.09     | 0.08   |
| Unionized ammonia (mg/L)         | 0.027               | 0.014  | 0.009    | 0.008  |
| Nitrite nitrogen (mg/L)          | 0.07                | 0.16   | ND       | ND     |
| Nitrate nitrogen (mg/L)          | 0.38                | 0.33   | 0.3      | 0.2    |
| TIN (mg/L)                       | 0.62                | 0.6    | 0.39     | 0.29   |
| TKN (mg/L)                       | 2.62                | 3.13   | 2.9      | 3.07   |
| TN (mg/L)                        | 3.07                | 3.62   | 3.2      | 3.28   |
| Orthophosphate phosphorus (mg/L) | 0.09                | 0.08   | 0.1      | 0.09   |
| TP (mg/L)                        | 0.06                | 0.1    | 0.07     | 0.07   |
| Chlorophyll-a (µg/L)             | 3.95                | 6.81   | 3.5      | 12.58  |
| <i>E. coli</i> (CFU/100 mL)      | 0                   | 0      | 0        | 0      |
| Fecal coliforms (CFU/100 mL)     | 245                 | 190    | 0        | 25     |

ND: Not detectable