

**Water quality data of Sha Chau & Lung Kwu Chau Marine Park from July to September 2007 (Third Quarter)**

|                                  | Lung Kwu Chau North |        | Pak Chau |        |
|----------------------------------|---------------------|--------|----------|--------|
| No. of Sample                    | 1                   |        | 1        |        |
| Depth (m)                        | Surface             | Bottom | Surface  | Bottom |
| Air Temperature (°C)             | 30.1                |        | 30.5     |        |
| Temperature (°C)                 | 28.57               | 27.76  | 28.59    | 26.87  |
| Salinity (ppt)                   | 7.9                 | 14.9   | 8.6      | 22.5   |
| DO (mg/L)                        | 6.44                | 5.64   | 6.48     | 4.66   |
| pH                               | 7.77                | 7.8    | 7.81     | 7.83   |
| Secchi depth (m)                 | 1.5                 |        | 2        |        |
| Turbidity (NTU)                  | 5.9                 | 7.6    | 3        | 6.2    |
| Suspended solids (mg/L)          | 4.06                | 5.45   | 3.31     | 4.76   |
| BOD <sub>5</sub> (mg/L)          | 0.98                | 0.63   | 1.45     | 0.83   |
| Ammoniacal nitrogen (mg/L)       | 0.07                | 0.06   | 0.17     | 0.09   |
| Unionized ammonia (mg/L)         | 0.017               | 0.014  | 0.041    | 0.02   |
| Nitrite nitrogen (mg/L)          | 0.02                | 0.02   | 0.02     | 0.02   |
| Nitrate nitrogen (mg/L)          | 0.33                | 0.3    | 0.32     | 0.25   |
| TIN (mg/L)                       | 0.42                | 0.38   | 0.51     | 0.35   |
| TKN (mg/L)                       | 0.4                 | 0.38   | 0.37     | 0.28   |
| TN (mg/L)                        | 0.75                | 0.7    | 0.71     | 0.55   |
| Orthophosphate phosphorus (mg/L) | 0.03                | 0.03   | 0.03     | 0.03   |
| TP (mg/L)                        | 0.1                 | 0.06   | 0.09     | 0.1    |
| Chlorophyll-a (µg/L)             | 2.97                | 2.61   | 4.91     | 1.52   |
| <i>E. coli</i> (CFU/100 mL)      | 0                   | 0      | 0        | 0      |
| Fecal coliforms (CFU/100 mL)     | 1800                | 1645   | 1240     | 1790   |

**Water quality data of Tung Ping Chau Marine Park from July to September 2007 (Third Quarter)**

|                                  | Ma Kok Tsui |        | Cheung Sha Wan |        |
|----------------------------------|-------------|--------|----------------|--------|
| No. of Sample                    | 1           |        | 1              |        |
| Depth (m)                        | Surface     | Bottom | Surface        | Bottom |
| Air Temperature (°C)             | 32.1        |        | 31.9           |        |
| Temperature (°C)                 | 28.26       | 22.78  | 28.44          | 22.47  |
| Salinity (ppt)                   | 31.9        | 34.9   | 31.6           | 35     |
| DO (mg/L)                        | 6.84        | 3.6    | 6.88           | 3.4    |
| pH                               | 8.24        | 8.09   | 8.23           | 8.05   |
| Secchi depth (m)                 | 7           |        | 6              |        |
| Turbidity (NTU)                  | 0.7         | 0.5    | 0.7            | 1.1    |
| Suspended solids (mg/L)          | 0.73        | 0.32   | 0.75           | 1.08   |
| BOD <sub>5</sub> (mg/L)          | 0.66        | 0.26   | 0.65           | 0.18   |
| Ammoniacal nitrogen (mg/L)       | 0.08        | 0.07   | 0.06           | 0.06   |
| Unionized ammonia (mg/L)         | 0.008       | 0.008  | 0.006          | 0.007  |
| Nitrite nitrogen (mg/L)          | 0.02        | 0.02   | 0.02           | 0.02   |
| Nitrate nitrogen (mg/L)          | 0.15        | 0.11   | 0.15           | 0.15   |
| TIN (mg/L)                       | 0.24        | 0.2    | 0.23           | 0.23   |
| TKN (mg/L)                       | 0.42        | 0.42   | 0.45           | 0.43   |
| TN (mg/L)                        | 0.59        | 0.55   | 0.61           | 0.61   |
| Orthophosphate phosphorus (mg/L) | 0.08        | 0.08   | 0.08           | 0.09   |
| TP (mg/L)                        | 0.1         | 0.11   | 0.09           | 0.11   |
| Chlorophyll-a (µg/L)             | 1.47        | 1.23   | 1.45           | 4.91   |
| <i>E. coli</i> (CFU/100 mL)      | 0           | 0      | 0              | 0      |
| Fecal coliforms (CFU/100 mL)     | 200         | 35     | 180            | 55     |