

### Water quality data of Hoi Ha Wan Marine Park from January to March 2009 (First Quarter)

|                                  | Coral Beach |        | Mo Chau |        | Heung Lo Kok |        |
|----------------------------------|-------------|--------|---------|--------|--------------|--------|
| No. of Sample                    | 1           |        | 1       |        | 1            |        |
| Depth (m)                        | Surface     | Bottom | Surface | Bottom | Surface      | Bottom |
| Air Temperature (°C)             | 19.6        |        | 19.7    |        | 19.7         |        |
| Temperature (°C)                 | 18.7        | 18.35  | 18.91   | 17.97  | 18.58        | 17.9   |
| Salinity (ppt)                   | 33.1        | 33.2   | 33.2    | 33.2   | 33.2         | 33.2   |
| DO (mg/L)                        | 6.77        | 6.34   | 7.14    | 6.3    | 6.76         | 6.12   |
| pH                               | 8.33        | 8.35   | 8.35    | 8.33   | 8.34         | 8.34   |
| Secchi depth (m)                 | 10          |        | 10      |        | 10           |        |
| Turbidity (NTU)                  | 0.2         | 0.3    | 0.3     | 1.6    | 0.1          | 0.9    |
| Suspended solids (mg/L)          | 0.44        | 0.51   | 0.17    | 1.8    | 0.29         | 0.99   |
| BOD <sub>5</sub> (mg/L)          | 0.87        | 0.53   | 0.77    | 0.45   | 0.75         | 0.57   |
| Ammoniacal nitrogen (mg/L)       | ND          | 0.03   | 0.02    | 0.01   | 0.02         | 0.02   |
| Unionized ammonia (mg/L)         | ND          | 0.002  | 0.002   | 0.001  | 0.002        | 0.001  |
| Nitrite nitrogen (mg/L)          | 0.02        | 0.01   | 0.02    | 0      | 0.01         | 0      |
| Nitrate nitrogen (mg/L)          | 0.04        | 0.04   | 0.03    | 0.04   | 0.05         | 0.03   |
| TIN (mg/L)                       | 0.06        | 0.08   | 0.07    | 0.06   | 0.08         | 0.06   |
| TKN (mg/L)                       | 0.03        | 0.04   | 0.04    | 0.05   | 0.09         | 0.05   |
| TN (mg/L)                        | 0.09        | 0.09   | 0.09    | 0.1    | 0.15         | 0.09   |
| Orthophosphate phosphorus (mg/L) | 0.02        | ND     | 0.01    | 0.02   | ND           | 0.01   |
| TP (mg/L)                        | 0.11        | 0.09   | 0.12    | 0.13   | 0.12         | 0.11   |
| Chlorophyll-a (µg/L)             | 1.43        | 0.45   | 1.17    | 0.35   | 0.97         | 0.4    |
| <i>E. coli</i> (CFU/100 mL)      | 0           | 0      | 0       | 0      | 0            | 0      |
| Fecal coliforms (CFU/100 mL)     | 0           | 0      | 0       | 0      | 0            | 0      |

ND: Not detectable