

### Water Quality Data of Sha Chau & Lung Kwu Chau Marine Park from April to June 2016 (2nd Quarter)

|                                        | Lung Kwu Chau North |        | Pak Chau |        | Sha Chau East |        |
|----------------------------------------|---------------------|--------|----------|--------|---------------|--------|
|                                        | Surface             | Bottom | Surface  | Bottom | Surface       | Bottom |
| Water Depth                            |                     |        |          |        |               |        |
| Air Temperature (°C)                   | 30.80               |        | 30.8     |        | 30.8          |        |
| Temperature (°C)                       | 25.77               | 25.03  | 26.12    | 25.13  | 25.84         | 25.14  |
| Salinity (‰)                           | 18.00               | 23.00  | 13.00    | 22.00  | 14.00         | 23.00  |
| Dissolved Oxygen (mg/L)                | 6.00                | 5.50   | 6.20     | 5.90   | 6.20          | 5.70   |
| pH                                     | 7.74                | 7.81   | 7.71     | 7.90   | 7.70          | 7.80   |
| Secchi Disc Depth (m)                  | 1.3                 |        | 1.6      |        | 1.6           |        |
| Turbidity (NTU)                        | 6.00                | 12.00  | 4.00     | 28.50  | 2.50          | 7.50   |
| Suspended Solids (mg/L)                | 8.50                | 18.50  | 6.00     | 47.50  | 6.00          | 14.50  |
| 5-Day Biochemical Oxygen Demand (mg/L) | <2                  | <2     | <2       | <2     | <2            | <2     |
| Ammoniacal Nitrogen (mg/L)             | 0.18                | 0.17   | 0.18     | 0.10   | 0.20          | 0.12   |
| Unionized Ammonia (mg/L)               | <0.01               | <0.01  | <0.01    | <0.01  | <0.01         | <0.01  |
| Nitrite Nitrogen (mg/L)                | 0.07                | 0.05   | 0.08     | 0.04   | 0.10          | 0.04   |
| Nitrate Nitrogen (mg/L)                | 0.83                | 0.63   | 1.12     | 0.47   | 1.10          | 0.52   |
| Total Inorganic Nitrogen (mg/L)        | 1.08                | 0.84   | 1.38     | 0.61   | 1.40          | 0.68   |
| Total Kjeldahl Nitrogen (mg/L)         | 0.40                | 0.40   | 0.45     | 0.45   | 0.55          | 0.30   |
| Total Nitrogen (mg/L)                  | 1.30                | 1.10   | 1.65     | 0.95   | 1.70          | 0.90   |
| Orthophosphate Phosphorus (mg/L)       | 0.04                | 0.03   | 0.04     | 0.02   | 0.04          | 0.02   |
| Total Phosphorus (mg/L)                | <0.1                | <0.1   | <0.1     | <0.1   | <0.1          | <0.1   |
| Chlorophyll-a (µg/L)                   | 1.15                | 1.10   | 1.55     | 2.25   | 2.20          | 1.20   |
| <i>E. coli</i> (cfu/100 mL)            | 120                 | 135    | 73       | 61     | 135           | 86     |
| Faecal Coliforms (cfu/100 mL)          | 240                 | 325    | 190      | 140    | 320           | 210    |