

### Water Quality Data of Cape D'Aguilar Marine Reserve from July to September 2011 (Third Quarter)

|                                        | Hok Tusi Wan |        | Telegraph Bay |        |
|----------------------------------------|--------------|--------|---------------|--------|
| No. of Sample                          | 1            |        | 1             |        |
| Water Depth                            | Surface      | Bottom | Surface       | Bottom |
| Air Temperature (°C)                   | 27.44        |        | 27.54         |        |
| Temperature (°C)                       | 27.39        | 24.55  | 27.58         | 23.11  |
| Salinity (‰)                           | 29.67        | 32.44  | 29.55         | 33.83  |
| Dissolved Oxygen (mg/L)                | 10.38        | 7.85   | 9.50          | 5.05   |
| pH                                     | 8.31         | 8.20   | 8.32          | 8.23   |
| Secchi Disc Depth (m)                  | 1.8          |        | 2.3           |        |
| Turbidity (NTU)                        | 0.60         | 1.10   | 0.70          | 2.40   |
| Suspended Solids (mg/L)                | 6.40         | 12.40  | 10.00         | 18.00  |
| 5-Day Biochemical Oxygen Demand (mg/L) | 2.70         | 2.20   | 2.20          | 2.80   |
| Ammoniacal Nitrogen (mg/L)             | <0.001       | <0.001 | <0.001        | <0.001 |
| Unionized Ammonia (mg/L)               | <0.001       | <0.001 | <0.001        | <0.001 |
| Nitrite Nitrogen (mg/L)                | <0.01        | <0.01  | <0.01         | 0.02   |
| Nitrate Nitrogen (mg/L)                | 0.47         | 0.29   | 0.41          | 0.30   |
| Total Inorganic Nitrogen (mg/L)        | 0.48         | 0.29   | 0.41          | 0.32   |
| Total Kjeldahl Nitrogen (mg/L)         | 0.19         | 0.17   | 0.27          | 0.16   |
| Total Nitrogen (mg/L)                  | 0.67         | 0.46   | 0.69          | 0.47   |
| Orthophosphate Phosphorus (mg/L)       | 0.003        | 0.005  | 0.013         | 0.003  |
| Total Phosphorus (mg/L)                | <0.01        | <0.01  | <0.01         | <0.01  |
| Chlorophyll-a (µg/L)                   | 9.08         | 8.68   | 8.73          | 7.41   |
| <i>E. coli</i> (cfu/100 mL)            | <1           | <1     | <1            | <1     |
| Faecal Coliforms (cfu/100 mL)          | <1           | <1     | <1            | <1     |

ND: Not detectable