

### Water Quality Data of Cape D' Aguilar Marine Reserve from January to March 2012 (First Quarter)

|                                  | Hok Tusi Wan |        | Telegraph Bay |        |
|----------------------------------|--------------|--------|---------------|--------|
| No. of Sample                    | 1            |        | 1             |        |
| Water Depth                      | Surface      | Bottom | Surface       | Bottom |
| Air Temperature (°C)             | 15.68        |        | 15.70         |        |
| Temperature (°C)                 | 16.01        | 15.96  | 16.02         | 15.96  |
| Salinity (‰)                     | 31.17        | 31.26  | 31.13         | 31.26  |
| Dissolved Oxygen (mg/L)          | 8.11         | 7.89   | 8.15          | 7.89   |
| pH                               | 7.61         | 7.81   | 7.85          | 7.82   |
| Secchi Disc Depth (m)            | 3.0          |        | 3.3           |        |
| Turbidity (NTU)                  | 0.10         | 1.50   | 0.10          | 1.40   |
| Suspended Solids (mg/L)          | 4.20         | 5.40   | 4.40          | 5.20   |
| 5-Day Biochemical Oxygen Demand  | 1.30         | 1.60   | 1.10          | 1.30   |
| 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         | <0.01  |
| Nitrate Nitrogen (mg/L)          | 0.24         | 0.04   | <0.01         | 0.05   |
| Total Inorganic Nitrogen (mg/L)  | 0.24         | 0.05   | <0.01         | 0.05   |
| Total Kjeldahl Nitrogen (mg/L)   | 0.15         | 0.23   | 0.27          | 0.24   |
| Total Nitrogen (mg/L)            | 0.39         | 0.28   | 0.25          | 0.30   |
| Orthophosphate Phosphorus (mg/L) | <0.001       | <0.001 | 0.023         | <0.001 |
| Total Phosphorus (mg/L)          | <0.01        | <0.01  | <0.01         | <0.01  |
| Chlorophyll-a (µg/L)             | 1.56         | 1.40   | 1.47          | 1.25   |
| <i>E. coli</i> (cfu/100 mL)      | <1           | 0      | 2             | <1     |
| Faecal Coliforms (cfu/100 mL)    | <1           | <1     | 2             | 2      |