

## Water quality of the Cape D'Aguilar Marine Reserve in Year 2003

|                                  | Hok Tsui Wan |        | Telegraph Bay |        |
|----------------------------------|--------------|--------|---------------|--------|
| No. of sample                    | 4            |        | 4             |        |
| Depth                            | Surface      | Bottom | Surface       | Bottom |
| Air Temperature (°C)             | 30.18        |        | 29.78         |        |
| Temperature (°C)                 | 23.91        | 21.93  | 23.91         | 22.84  |
| Salinity (ppt)                   | 28.57        | 33.03  | 28.84         | 31.01  |
| Dissolved Oxygen (mg/L)          | 7.02         | 5.48   | 7.57          | 6.83   |
| pH                               | 8.00         | 7.78   | 7.96          | 7.72   |
| Secchi Depth (m)                 | 2.50         |        | 2.38          |        |
| Turbidity (NTU)                  | 1.06         | 2.28   | 1.04          | 1.60   |
| Suspended Solids (mg/L)          | 3.81         | 7.12   | 7.60          | 8.07   |
| BOD (mg/L)                       | 0.91         | 1.04   | 0.98          | 1.02   |
| Ammoniacal Nitrogen (mg/L)       | 0.095        | 0.093  | 0.090         | 0.093  |
| Unionized Ammonia (mg/L)         | 0.011        | 0.010  | 0.010         | 0.010  |
| Nitrite Nitrogen (mg/L)          | 0.085        | 0.019  | 0.027         | 0.018  |
| Nitrate Nitrogen (mg/L)          | 0.048        | 0.055  | 0.308         | 0.194  |
| Total Inorganic Nitrogen (mg/L)  | 0.227        | 0.168  | 0.429         | 0.309  |
| Total Kjeldahl Nitrogen (mg/L)   | 4.251        | 3.898  | 3.777         | 2.833  |
| Total Nitrogen (mg/L)            | 3.130        | 2.717  | 2.860         | 3.045  |
| Orthophosphate Phosphorus (mg/L) | 0.012        | 0.012  | 0.010         | 0.012  |
| Total Phosphorus (mg/L)          | 0.780        | 0.757  | 0.872         | 0.751  |
| Chlorophyll-a (µg/L)             | 3.032        | 1.596  | 1.644         | 3.338  |
| <i>E. coli</i> (CFU/100 mL)      | 4            | 2      | 1             | 2      |
| Faecal Coliforms (CFU/100 mL)    | 19           | 540    | 11            | 125    |