

### Water Quality Data of South West Lantau from July to September 2021 (3rd Quarter)

|                                        | Yi O    |        | Fan Lau West |        | Fan Lau East |        | Pak Kok |        |
|----------------------------------------|---------|--------|--------------|--------|--------------|--------|---------|--------|
|                                        | Surface | Bottom | Surface      | Bottom | Surface      | Bottom | Surface | Bottom |
| Water Depth                            |         |        |              |        |              |        |         |        |
| Air Temperature (°C)                   | 24.3    |        | 24.6         |        | 24.6         |        | 24.5    |        |
| Water Temperature (°C)                 | 27.20   | 24.00  | 26.30        | 26.00  | 26.70        | 26.55  | 26.70   | 25.00  |
| Salinity (‰)                           | 23.70   | 30.90  | 27.70        | 28.20  | 25.90        | 26.25  | 27.00   | 29.90  |
| Dissolved Oxygen (mg/L)                | 5.40    | 3.50   | 5.70         | 5.30   | 5.50         | 5.30   | 6.40    | 3.90   |
| pH                                     | 7.90    | 7.90   | 8.00         | 8.00   | 8.00         | 8.00   | 8.10    | 7.90   |
| Secchi Disc Depth (m)                  | 0.8     |        | 0.6          |        | 0.5          |        | 0.6     |        |
| Turbidity (NTU)                        | 2.50    | 2.00   | 2.50         | 4.00   | 2.00         | 2.00   | 4.00    | 4.00   |
| Suspended Solids (mg/L)                | 4.50    | 5.50   | 6.50         | 9.50   | 5.00         | 6.50   | 8.50    | 12.50  |
| 5-Day Biochemical Oxygen Demand (mg/L) | <2      | <2     | <2           | <2     | <2           | <2     | <2      | <2     |
| Ammoniacal Nitrogen (mg/L)             | <0.01   | <0.01  | <0.01        | <0.01  | <0.01        | <0.01  | <0.01   | <0.01  |
| Unionized Ammonia (mg/L)               | <0.01   | <0.01  | <0.01        | <0.01  | <0.01        | <0.01  | <0.01   | <0.01  |
| Nitrite Nitrogen (mg/L)                | 0.05    | 0.06   | 0.06         | 0.05   | 0.06         | 0.06   | 0.06    | 0.05   |
| Nitrate Nitrogen (mg/L)                | 0.26    | 0.27   | 0.09         | 0.06   | 0.29         | 0.28   | 0.24    | 0.23   |
| Total Inorganic Nitrogen (mg/L)        | 0.30    | 0.33   | 0.33         | 0.30   | 0.34         | 0.34   | 0.30    | 0.28   |
| Total Kjeldahl Nitrogen (mg/L)         | 0.30    | 0.25   | 0.20         | 0.20   | 0.20         | 0.20   | 0.25    | 0.20   |
| Total Nitrogen (mg/L)                  | 0.60    | 0.60   | 0.60         | 0.50   | 0.60         | 0.55   | 0.55    | 0.50   |
| Orthophosphate Phosphorus (mg/L)       | <0.01   | <0.01  | <0.01        | <0.01  | <0.01        | <0.01  | <0.01   | <0.01  |
| Total Phosphorus (mg/L)                | <0.1    | <0.1   | <0.1         | <0.1   | <0.1         | <0.1   | <0.1    | <0.1   |
| Chlorophyll-a (µg/L)                   | 3.60    | 1.90   | 1.70         | 3.35   | 1.75         | 1.70   | 5.10    | 3.25   |
| <i>E. coli</i> (cfu/100 mL)            | 0       | 0      | 0            | 1      | 0            | 1      | 0       | 0      |
| Faecal Coliforms (cfu/100 mL)          | 2       | 1      | 0            | 1      | 0            | 2      | 2       | 1      |