

Water quality of the Cape D'Aguilar Marine Reserve in Year 2002

	Hok Tsui Wan			Telegraph Bay		
No. of sample	4			3		
Depth	Surface	Middle	Bottom	Surface	Middle	Bottom
Temperature (°C)	24.61	24.01	23.53	25.97	25.39	24.87
Salinity (ppt)	31.85	32.45	32.93	31.20	31.67	32.40
Dissolved Oxygen (mg/L)	6.23	5.43	5.22	6.00	5.71	5.12
pH	8.13	8.10	8.08	8.10	8.17	8.10
Secchi Depth (m)	2.40			2.67		
Turbidity (NTU)	2.23	3.73	5.13	0.90	3.30	4.43
Suspended Solids (mg/L)	3.17	4.42	4.62	3.43	4.00	4.35
BOD (mg/L)	0.91	0.96	1.00	0.90	0.81	0.69
Ammoniacal Nitrogen (mg/L)	0.126	0.419	0.097	0.040	0.073	0.066
Unionized Ammonia (mg/L)	0.015	0.021	0.014	0.004	0.008	0.008
Nitrite Nitrogen (mg/L)	0.022	0.025	0.023	0.034	0.035	0.037
Nitrate Nitrogen (mg/L)	0.106	0.065	0.090	0.146	0.124	0.133
Total Inorganic Nitrogen (mg/L)	0.253	0.259	0.210	0.220	0.233	0.236
Total Kjeldahl Nitrogen (mg/L)	1.673	2.028	1.074	0.771	0.906	1.465
Total Nitrogen (mg/L)	2.235	2.716	1.396	0.951	1.065	1.634
Orthophosphate Phosphorus (mg/L)	0.005	0.004	0.004	0.008	0.007	0.006
Total Phosphorus (mg/L)	0.020	0.046	0.045	0.049	0.054	0.283
Silica (mg/L)	0.168	0.178	0.210	0.160	0.140	0.187
Chlorophyll-a (µg/L)	2.135	2.268	2.883	2.148	2.534	2.605
Phaeopigment (µg/L)	1.015	1.438	1.688	0.961	1.352	1.840
<i>E. coli</i> (CFU/100 mL)	10	9	10	15	10	3
Faecal Coliforms (CFU/100 mL)	160	491	684	878	502	440
Phytoplankton – Diatoms (cells/mL)	4391	3797	4035	422	554	337
Phytoplankton – Dinoflagellates (cells/mL)	0	75	75	0	1	0
Phytoplankton – Others (cells/mL)	5477	4426	5101	2	1	0
Zooplankton – Biomass (mg/m ³)	24			49		
Zooplankton – Copepoda (number/m ³)	3943			6105		
Zooplankton – Cladocera (number/m ³)	191			156		
Zooplankton – Larvae (number/m ³)	1096			1558		
Zooplankton – Noctiluca (number/m ³)	65			570		
Zooplankton – Others (number/m ³)	513			915		