

Water quality of the Cape D'Aguilar Marine Reserve in Year 2001

	Hok Tsui Wan		
No. of sample	4		
Depth	Surface	Middle	Bottom
Temperature (°C)	22.82 (17.2-29.51)	21.67 (17-25.44)	21.25 (17-24.06)
Salinity (ppt)	29.65 (23-32.6)	31.65 (30.8-32.7)	32.23 (31.2-32.9)
Dissolved Oxygen (mg/L)	7.07 (6.41-7.9)	5.94 (3.79-7.28)	5.79 (3.13-7.25)
pH	8.33 (8-8.7)	8.20 (8-8.3)	8.13 (8-8.3)
Secchi Depth (m)	2.03 (1.5-3.1)		
Turbidity (NTU)	5.40 (2.4-10)	4.80 (2.4-7.4)	7.90 (6.8-9.2)
Suspended Solids (mg/L)	4.19 (1.22-6.24)	4.68 (2.57-7.63)	5.46 (2.08-9.74)
BOD (mg/L)	1.16 (0.03-3.92)	0.72 (0.06-1.89)	0.71 (0.09-1.69)
Ammoniacal Nitrogen (mg/L)	0.149 (0.01-0.30)	0.169 (0.01-0.43)	0.215 (0.03-0.61)
Unionized Ammonia (mg/L)	0.012 (0.00-0.02)	0.015 (0.00-0.04)	0.020 (0.00-0.05)
Nitrite Nitrogen (mg/L)	0.280 (0.01-0.8)	0.338 (0.01-1.04)	0.363 (0.01-1.13)
Nitrate Nitrogen (mg/L)	1.952 (0.2-4.49)	1.720 (0.38-3.55)	1.681 (0.40-3.4)
Total Inorganic Nitrogen (mg/L)	1.562 (0.03-5.32)	1.491 (0.03-4.6)	1.538 (0.03-4.56)
Total Kjeldahl Nitrogen (mg/L)	0.975 (0.63-1.55)	0.925 (0.61-1.12)	0.983 (0.43-1.46)
Total Nitrogen (mg/L)	2.660 (0.88-6.84)	2.640 (1.08-5.71)	2.330 (0.91-5.62)
Orthophosphate Phosphorus (mg/L)	0.048 (0.01-0.13)	0.048 (0.01-0.14)	0.060 (0.01-0.17)
Total Phosphorus (mg/L)	0.170 (0.02-0.37)	0.103 (0.02-0.24)	0.073 (0.02-0.24)
Silica (mg/L)	0.253 (0.1-0.44)	0.265 (0.14-0.42)	0.278 (0.18-0.44)
Chlorophyll-a (µg/L)	4.393 (1.09-10.3)	3.875 (1.18-7.9)	1.875 (0.5-4.5)
Phaeopigment (µg/L)	1.030 (0.35-2.30)	1.430 (0.65-3.60.)	1.360 (0.76-2.9)
<i>E. coli</i> (CFU/100 mL)	16.9 (2-50)	16.9 (5-40)	18.4 (8.5-40)
Faecal Coliforms (CFU/100 mL)	91.4 (20-200)	220.4 (74.5-380)	348.6 (117-572.5)
No. of sample	3		
Phytoplanktons- Diatoms (cell/mL)	22946 (13930-30304)	20923 (10264-26403)	21967 (17595-26703)
Phytoplanktons- Dinoflagellates (cell/mL)	300 (0-900)	1300 (0-3600)	1144 (0-2700)
Phytoplanktons- Others (cell/mL)	36097 (20102-52786)	38242 (28203-53519)	31920 (25503-43255)
Zooplankton - Biomass (mg/m ³)	68 (6.6-164.8)		
Zooplankton - Copepoda (numbers/m ³)	13239 (2384-22222)		
Zooplankton - Cladocera (numbers/m ³)	2033 (76-3306)		
Zooplankton - Larvae (numbers/m ³)	1540 (611-2037)		
Zooplankton - Noctiluca (numbers/m ³)	51 (0-139)		
Zooplankton - Others (numbers/m ³)	4020 (245-9508)		

* Data presented in mean value (range)