

Water quality of the Tung Ping Chau Marine Park in Year 2002

	Ma Kok Tsui			Cheung Sha Wan		
No. of sample	10			10		
Depth	Surface	Middle	Bottom	Surface	Middle	Bottom
Temperature (°C)	25.73	25.44	24.13	25.84	24.82	24.19
Salinity (ppt)	31.34	31.57	32.36	31.24	31.81	32.33
Dissolved Oxygen (mg/L)	5.97	5.73	4.92	5.81	5.57	4.94
pH	8.14	8.12	8.13	8.17	8.14	8.13
Secchi Depth (m)	5.01			4.63		
Turbidity (NTU)	0.18	0.70	3.18	0.54	0.69	3.98
Suspended Solids (mg/L)	1.21	1.43	1.95	1.49	1.72	1.94
BOD (mg/L)	0.71	0.62	0.61	0.66	0.71	0.71
Ammoniacal Nitrogen (mg/L)	0.078	0.060	0.062	0.084	0.083	0.075
Unionized Ammonia (mg/L)	0.008	0.007	0.007	0.008	0.008	0.009
Nitrite Nitrogen (mg/L)	0.020	0.012	0.013	0.013	0.004	0.013
Nitrate Nitrogen (mg/L)	0.066	0.065	0.098	0.094	0.078	0.066
Total Inorganic Nitrogen (mg/L)	0.165	0.136	0.174	0.191	0.165	0.153
Total Kjeldahl Nitrogen (mg/L)	1.509	1.406	1.661	1.675	1.532	1.745
Total Nitrogen (mg/L)	1.659	1.502	1.777	1.782	1.741	1.824
Orthophosphate Phosphorus (mg/L)	0.017	0.009	0.018	0.015	0.018	0.010
Total Phosphorus (mg/L)	0.030	0.034	0.054	0.064	0.046	0.046
Silica (mg/L)	0.206	0.235	0.317	0.182	0.227	0.256
Chlorophyll-a (µg/L)	1.139	1.236	1.873	1.236	2.373	2.112
Phaeopigment (µg/L)	0.499	0.640	0.772	0.492	0.731	0.869
<i>E. coli</i> (CFU/100 mL)	2	13	35	8	10	18
Faecal Coliforms (CFU/100 mL)	347	434	568	330	404	325
Phytoplankton – Diatoms (cells/mL)	2036	705	750	713	739	628
Phytoplankton – Dinoflagellates (cells/mL)	1	61	91	1	2	1
Phytoplankton – Others (cells/mL)	3212	451	331	361	391	271
Zooplankton – Biomass (mg/m ³)	23			34		
Zooplankton – Copepoda (number/m ³)	6113			5296		
Zooplankton – Cladocera (number/m ³)	997			522		
Zooplankton – Larvae (number/m ³)	813			1898		
Zooplankton – Noctiluca (number/m ³)	1282			681		
Zooplankton – Others (number/m ³)	1924			2038		