

Water quality of Sha Chau and Lung Kwu Chau Marine Park in Year 2012

	N Lung Kwu Chau		Pak Chau		Sha Chau East	
No. of Sample	4		4		4	
Water Depth	Surface	Bottom	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	24.43		24.65		24.65	
Temperature (°C)	24.82	24.08	24.79	24.25	24.73	23.60
Salinity (‰)	17.93	22.97	18.05	22.84	18.69	26.59
Dissolved Oxygen (mg/L)	8.27	7.19	8.59	7.63	8.93	6.99
pH	8.02	7.92	8.06	7.92	7.81	7.22
Secchi Disc Depth (m)	1.6		1.7		1.2	
Turbidity (NTU)	4.48	34.73	4.15	8.03	3.98	8.73
Suspended Solids (mg/L)	5.70	6.70	6.15	7.90	5.70	13.40
5-Day Biochemical Oxygen Demand (mg/L)	2.08	1.28	1.63	1.78	2.08	2.63
Ammoniacal Nitrogen (mg/L)	0.19	0.10	0.14	0.09	0.13	0.12
Unionized Ammonia (mg/L)	0.008	0.004	0.006	0.004	0.001	0.000
Nitrite Nitrogen (mg/L)	0.11	0.08	0.10	0.09	0.10	0.06
Nitrate Nitrogen (mg/L)	0.97	0.71	0.89	0.70	0.82	0.59
Total Inorganic Nitrogen (mg/L)	1.27	0.90	1.13	0.88	1.05	0.77
Total Kjeldahl Nitrogen (mg/L)	0.30	0.14	0.39	0.28	0.25	0.24
Total Nitrogen (mg/L)	1.38	0.93	1.38	1.04	1.00	0.89
Orthophosphate Phosphorus (mg/L)	0.02	0.02	0.02	0.01	0.01	0.02
Total Phosphorus (mg/L)	0.01	0.01	0.02	0.01	0.01	0.02
Chlorophyll-a (µg/L)	3.37	2.12	5.70	3.18	10.12	7.32
<i>E. coli</i> (cfu/100 mL)	15.42	299.34	17.93	56.45	37.21	232.25
Faecal Coliforms (cfu/100 mL)	30.37	485.01	28.24	93.47	71.68	352.94