

Water quality of Sha Chau and Lung Kwu Chau Marine Park in Year 2011

	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)	21.93		22.51		23.16	
Temperature (°C)	23.65	22.45	23.65	22.26	23.55	22.09
Salinity (‰)	24.54	29.84	25.22	30.85	24.94	31.34
Dissolved Oxygen (mg/L)	7.91	6.47	7.88	6.15	8.12	5.82
pH	8.15	8.05	8.13	8.01	8.07	7.91
Secchi Disc Depth (m)	1.03		1.09		1.20	
Turbidity (NTU)	8.13	19.60	8.63	46.80	5.60	89.65
Suspended Solids (mg/L)	24.18	35.45	26.17	33.89	23.14	47.53
5-Day Biochemical Oxygen Demand (mg/L)	1.95	1.69	1.67	1.63	1.93	1.74
Ammoniacal Nitrogen (mg/L)	0.08	0.08	0.07	0.05	0.11	0.05
Unionized Ammonia (mg/L)	0.006	0.004	0.005	0.002	0.006	0.002
Nitrite Nitrogen (mg/L)	0.12	0.08	0.11	0.09	0.12	0.04
Nitrate Nitrogen (mg/L)	0.73	0.48	0.71	0.33	0.64	0.17
Total Inorganic Nitrogen (mg/L)	0.92	0.62	0.89	0.47	0.86	0.26
Total Kjeldahl Nitrogen (mg/L)	0.27	0.36	0.21	0.35	0.31	0.38
Total Nitrogen (mg/L)	1.10	0.90	1.03	0.76	1.07	0.59
Orthophosphate Phosphorus (mg/L)	0.05	0.06	0.05	0.08	0.05	0.09
Total Phosphorus (mg/L)	0.05	0.07	0.06	0.08	0.05	0.09
Chlorophyll-a (µg/L)	11.65	6.46	12.70	5.72	15.65	5.54
<i>E. coli</i> (cfu/100 mL)	52.70	158.28	82.95	140.90	38.20	132.88
Faecal Coliforms (cfu/100 mL)	71.55	273.56	114.10	254.10	52.75	197.58