

Water Quality Data of Sha Chau & Lung Kwu Chau Marine Park from January to March 2012 (First Quarter)

	Lung Kwu Chau North		Pak Chau		Sha Chau East	
No. of Sample	1		1		1	
Water Depth	Surface	Bottom	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	17.63		18.81		18.30	
Temperature (°C)	17.27	17.05	17.16	16.95	17.06	16.99
Salinity (‰)	28.70	30.68	29.22	30.36	29.93	30.50
Dissolved Oxygen (mg/L)	7.99	7.67	7.92	8.02	7.9	7.69
pH	7.81	7.77	7.74	7.69	7.52	7.39
Secchi Disc Depth (m)	2.3		2.2		1.4	
Turbidity (NTU)	3.00	10.00	1.30	4.20	2.10	7.70
Suspended Solids (mg/L)	5.60	7.60	4.20	8.60	6.00	33.60
5-Day Biochemical Oxygen Demand	1.4	1.6	1.5	1.5	1.3	1.6
Ammoniacal Nitrogen (mg/L)	0.439	0.124	0.342	0.100	0.253	0.146
Unionized Ammonia (mg/L)	0.009	0.002	0.006	0.002	0.003	0.001
Nitrite Nitrogen (mg/L)	0.05	<0.01	0.03	0.02	0.03	0.03
Nitrate Nitrogen (mg/L)	0.52	0.27	0.46	0.26	0.36	0.26
Total Inorganic Nitrogen (mg/L)	1.01	0.40	0.83	0.38	0.64	0.44
Total Kjeldahl Nitrogen (mg/L)	0.45	0.25	0.35	0.23	0.31	0.30
Total Nitrogen (mg/L)	1.02	0.53	0.84	0.51	0.70	0.59
Orthophosphate Phosphorus (mg/L)	0.046	0.033	0.034	0.026	0.032	0.070
Total Phosphorus (mg/L)	0.017	0.018	0.026	0.014	0.018	0.039
Chlorophyll-a (µg/L)	2.18	3.72	3.04	5.53	3.11	6.67
<i>E. coli</i> (cfu/100 mL)	4	247	27	25	18	79
Faecal Coliforms (cfu/100 mL)	7	302	32	34	25	101