

Water Quality Data of Sha Chau & Lung Kwu Chau Marine Park from January to March 2013 (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)	12.39		12.36		16.64	
Temperature (°C)	16.84	16.95	16.91	16.92	17	17.04
Salinity (‰)	30.86	31.48	31.24	31.43	31.62	31.60
Dissolved Oxygen (mg/L)	8.66	8.30	8.73	8.78	8.4	8.45
pH	8.07	8.05	8.05	8.02	8.02	8.00
Secchi Disc Depth (m)	1.2		1.1		1.2	
Turbidity (NTU)	3.60	8.50	1.80	1.90	2.30	39.70
Suspended Solids (mg/L)	11.60	22.60	20.40	23.00	13.00	10.00
5-Day Biochemical Oxygen Demand	1.50	5.50	1.20	7.80	1.10	6.60
Ammoniacal Nitrogen (mg/L)	0.207	0.205	0.181	0.185	0.171	0.155
Unionized Ammonia (mg/L)	0.007	0.007	0.006	0.006	0.005	0.005
Nitrite Nitrogen (mg/L)	0.02	0.02	0.02	0.02	<0.01	0.02
Nitrate Nitrogen (mg/L)	0.50	0.43	0.48	0.47	0.38	0.42
Total Inorganic Nitrogen (mg/L)	0.73	0.66	0.68	0.67	0.55	0.59
Total Kjeldahl Nitrogen (mg/L)	0.24	0.32	0.19	0.22	0.21	0.18
Total Nitrogen (mg/L)	0.76	0.77	0.69	0.71	0.59	0.61
Orthophosphate Phosphorus (mg/L)	0.012	<0.001	0.005	<0.001	<0.001	<0.001
Total Phosphorus (mg/L)	0.02	0.02	0.01	0.01	0.02	0.02
Chlorophyll-a (µg/L)	4.14	4.30	6.12	2.17	3.02	3.93
<i>E. coli</i> (cfu/100 mL)	227	116	62	191	238	98
Faecal Coliforms (cfu/100 mL)	304	153	71	273	298	142