

Water quality of Sha Chau and Lung Kwu Chau Marine Park in Year 2013

	N Lung Kwu Chau		Pak Chau		Sha Chau East	
Water Depth	Surface	Bottom	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	24.2		24.6		25.3	
Temperature (°C)	24.21	23.96	24.28	24.11	24.25	23.81
Salinity (‰)	18.96	24.40	20.31	22.18	19.88	24.91
Dissolved Oxygen (mg/L)	6.10	5.63	5.94	5.89	5.83	5.58
pH	7.93	7.90	7.88	7.83	7.97	7.88
Secchi Disc Depth (m)	1.3		1.3		1.1	
Turbidity (NTU)	9.54	13.84	7.16	11.23	4.73	17.70
Suspended Solids (mg/L)	9.23	19.36	10.44	15.18	8.35	9.84
5-Day Biochemical Oxygen Demand (mg/L)	<2	2.88	<2	3.45	<2	3.15
Ammoniacal Nitrogen (mg/L)	0.13	0.13	0.13	0.12	0.15	0.11
Unionized Ammonia (mg/L)	<0.01	<0.01	0.032	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.16	0.10	0.16	0.15	0.15	0.14
Nitrate Nitrogen (mg/L)	0.83	0.44	0.73	0.61	0.72	0.55
Total Inorganic Nitrogen (mg/L)	1.14	0.67	1.01	0.87	1.03	0.79
Total Kjeldahl Nitrogen (mg/L)	0.79	0.63	0.49	0.59	0.55	0.63
Total Nitrogen (mg/L)	1.77	1.17	1.36	1.34	1.42	1.32
Orthophosphate Phosphorus (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Phosphorus (mg/L)	<0.05	<0.05	0.06	<0.05	0.06	0.06
Chlorophyll-a (µg/L)	2.38	1.72	3.00	1.44	2.52	1.69
<i>E. coli</i> (cfu/100 mL)	243	574	156	141	139	245
Faecal Coliforms (cfu/100 mL)	383	1027	253	243	229	442