

Water Quality Data of Sha Chau & Lung Kwu Chau Marine Park from April to June 2013 (2nd Quarter)

	Lung Kwu Chau North		Pak Chau		Sha Chau East	
	Surface	Bottom	Surface	Bottom	Surface	Bottom
Water Depth						
Air Temperature (°C)	31.3		32.7		30.6	
Temperature (°C)	29.20	28.80	29.70	29.30	29.20	29.00
Salinity (‰)	11.07	17.50	12.60	14.30	11.50	14.82
Dissolved Oxygen (mg/L)	5.06	4.61	4.98	4.87	5.27	4.71
pH	7.80	7.84	7.85	7.80	7.57	7.80
Secchi Disc Depth (m)	1.0		0.8		1.0	
Turbidity (NTU)	16.00	7.35	11.35	21.50	8.45	13.00
Suspended Solids (mg/L)	14.50	7.85	10.20	21.00	6.70	10.50
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.145	0.190	0.165	0.165	0.175	0.185
Unionized Ammonia (mg/L)	0.010	0.010	0.010	0.010	0.010	0.010
Nitrite Nitrogen (mg/L)	0.30	0.17	0.23	0.22	0.23	0.21
Nitrate Nitrogen (mg/L)	0.92	0.64	0.87	0.81	0.88	0.79
Total Inorganic Nitrogen (mg/L)	1.35	0.99	1.25	1.20	1.30	1.20
Total Kjeldahl Nitrogen (mg/L)	0.97	0.93	0.73	0.72	0.80	0.81
Total Nitrogen (mg/L)	2.17	1.73	1.81	1.75	1.93	1.83
Orthophosphate Phosphorus (mg/L)	<0.05	<0.05	<0.05	0.051	<0.05	<0.05
Total Phosphorus (mg/L)	0.06	0.05	0.06	0.06	0.06	0.05
Chlorophyll-a (µg/L)	1.05	0.67	0.82	0.95	1.35	0.53
<i>E. coli</i> (cfu/100 mL)	435	1540	105	70	130	560
Faecal Coliforms (cfu/100 mL)	650	2550	180	140	270	1080