

Water Quality Data of Sha Chau & Lung Kwu Chau Marine Park from July to September 2013 (3rd Quarter)

	Lung Kwu Chau North		Pak Chau		Sha Chau East	
	Surface	Bottom	Surface	Bottom	Surface	Bottom
Water Depth						
Air Temperature (°C)	31.0		31.0		32.0	
Temperature (°C)	28.70	27.50	28.20	27.80	28.20	26.80
Salinity (‰)	6.80	18.70	9.60	14.20	8.10	23.40
Dissolved Oxygen (mg/L)	4.34	3.94	3.91	3.81	3.46	3.35
pH	7.90	7.77	7.73	7.60	8.38	7.75
Secchi Disc Depth (m)	0.9		0.8		0.6	
Turbidity (NTU)	14.50	14.00	9.80	9.50	4.00	5.60
Suspended Solids (mg/L)	4.40	17.50	3.70	4.70	5.10	4.20
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.022	0.033	0.060	0.033	0.165	0.022
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.15	0.11	0.23	0.22	0.22	0.21
Nitrate Nitrogen (mg/L)	1.30	0.40	1.10	0.80	1.20	0.69
Total Inorganic Nitrogen (mg/L)	1.60	0.54	1.40	1.05	1.60	0.92
Total Kjeldahl Nitrogen (mg/L)	1.32	0.69	0.62	0.89	0.76	0.94
Total Nitrogen (mg/L)	2.74	1.20	1.95	1.92	2.18	1.84
Orthophosphate Phosphorus (mg/L)	<0.05	<0.05	0.054	0.051	0.055	<0.05
Total Phosphorus (mg/L)	0.06	0.05	0.10	0.08	0.12	0.12
Chlorophyll-a (µg/L)	2.45	0.93	3.80	1.65	4.25	1.24
<i>E. coli</i> (cfu/100 mL)	280	410	375	170	155	170
Faecal Coliforms (cfu/100 mL)	530	1010	615	320	305	295