

Water Quality Data of Sha Chau & Lung Kwu Chau Marine Park from October to December 2012 (Forth 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)	24.34		24.48		24.63	
Temperature (°C)	26.19	26.34	26.26	26.44	26.27	26.20
Salinity (‰)	25.44	26.46	26.64	27.63	27.03	27.61
Dissolved Oxygen (mg/L)	9.81	8.81	10.19	9.30	10.89	10.04
pH	8.06	8.04	8.10	8.05	8.12	8.07
Secchi Disc Depth (m)	1.5		1.5		1.1	
Turbidity (NTU)	3.40	93.50	4.00	17.50	3.80	5.50
Suspended Solids (mg/L)	5.80	6.80	6.20	8.40	4.40	5.60
5-Day Biochemical Oxygen Demand	4.40	1.50	1.60	2.00	4.40	6.90
Ammoniacal Nitrogen (mg/L)	0.035	<0.001	<0.001	<0.001	0.001	<0.001
Unionized Ammonia (mg/L)	0.002	<0.001	<0.001	<0.001	0.000	<0.001
Nitrite Nitrogen (mg/L)	0.17	0.19	0.16	0.14	0.15	0.11
Nitrate Nitrogen (mg/L)	0.99	0.71	0.81	0.66	0.69	0.53
Total Inorganic Nitrogen (mg/L)	1.20	0.90	0.97	0.80	0.84	0.64
Total Kjeldahl Nitrogen (mg/L)	0.03	<0.01	0.20	<0.01	<0.01	0.47
Total Nitrogen (mg/L)	1.19	0.87	1.17	0.71	0.15	1.11
Orthophosphate Phosphorus (mg/L)	0.006	0.005	<0.001	0.003	<0.001	<0.001
Total Phosphorus (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorophyll-a (µg/L)	2.98	1.16	4.25	2.35	26.39	20.48
<i>E. coli</i> (cfu/100 mL)	45	226	43	118	100	233
Faecal Coliforms (cfu/100 mL)	75	345	75	167	205	367