

Water Quality Data of Sha Chau & Lung Kwu Chau Marine Park from January to March 2014 (First Quarter)

	1 Lung Kwu Chau North		2 Pak Chau		3 Sha Chau East	
No. of Sample	1		1		1	
Water Depth	Surface	Bottom	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	22.9		22.9		22.9	
Temperature (°C)	16.10	15.80	16.20	16.10	16.20	16.10
Salinity (‰)	30.10	30.60	31.20	31.10	31.00	31.20
Dissolved Oxygen (mg/L)	7.76	7.49	7.70	7.62	7.50	7.46
pH	8.18	8.20	8.16	8.21	8.20	8.22
Secchi Disc Depth (m)	1.3		0.9		0.9	
Turbidity (NTU)	4.20	7.25	7.30	7.35	7.75	7.40
Suspended Solids (mg/L)	8.45	6.25	10.50	8.15	7.55	9.75
5-Day Biochemical Oxygen Demand	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.230	0.235	0.228	0.119	0.195	0.095
Unionized Ammonia (mg/L)	0.01	0.01	0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.03	0.03	0.02	0.02	0.02	0.02
Nitrate Nitrogen (mg/L)	0.31	0.26	0.16	0.18	0.19	0.19
Total Inorganic Nitrogen (mg/L)	0.58	0.53	0.40	0.32	0.40	0.30
Total Kjeldahl Nitrogen (mg/L)	<0.3	<0.3	<0.3	0.36	0.42	0.36
Total Nitrogen (mg/L)	0.58	0.53	0.50	0.48	0.61	0.54
Orthophosphate Phosphorus (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Phosphorus (mg/L)	0.06	<0.05	0.07	0.06	0.07	0.06
Chlorophyll-a (µg/L)	1.15	1.35	1.45	1.60	1.10	1.05
<i>E. coli</i> (cfu/100 mL)	32	51	32	8	38	57
Faecal Coliforms (cfu/100 mL)	66	99	65	34	85	84