

Water quality of Sha Chau and Lung Kwu Chau Marine Park in Year 2017

	N Lung Kwu Chau		Pak Chau		Sha Chau East	
	Surface	Bottom	Surface	Bottom	Surface	Bottom
Water Depth						
Air Temperature (°C)	25.09		25.63		25.63	
Temperature (°C)	26.25	26.07	26.30	26.10	26.27	26.01
Salinity (‰)	20.80	25.53	20.29	24.00	22.05	24.28
Dissolved Oxygen (mg/L)	6.14	5.55	6.18	5.85	6.11	5.85
pH	7.80	7.78	7.89	7.84	8.02	7.90
Secchi Disc Depth (m)	1.7		1.9		1.9	
Turbidity (NTU)	5.25	8.13	4.63	5.63	4.25	4.88
Suspended Solids (mg/L)	7.63	11.25	6.63	8.63	6.00	7.50
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.06	0.05	0.05	0.05	0.05	0.05
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.16	0.13	0.15	0.14	0.16	0.14
Nitrate Nitrogen (mg/L)	0.95	0.81	0.96	0.85	0.96	0.83
Total Inorganic Nitrogen (mg/L)	1.17	0.98	1.16	1.04	1.16	1.01
Total Kjeldahl Nitrogen (mg/L)	0.44	0.40	0.35	0.40	0.38	0.39
Total Nitrogen (mg/L)	1.55	1.31	1.44	1.35	1.49	1.36
Orthophosphate Phosphorus (mg/L)	0.03	0.12	0.03	0.03	0.04	0.03
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	1.43	1.48	1.36	1.44	1.40	1.54
<i>E. coli</i> (cfu/100 mL)	90	128	44	439	62	122
Faecal Coliforms (cfu/100 mL)	377	303	138	2598	170	276