

Water quality of Sha Chau and Lung Kwu Chau Marine Park in Year 2019

	N Lung Kwu Chau		Pak Chau		Sha Chau East	
Water Depth	Surface	Bottom	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	24.70		25.18		25.10	
Temperature (°C)	24.65	24.50	24.68	24.63	24.80	24.78
Salinity (‰)	23.21	25.46	24.41	25.35	24.48	25.36
Dissolved Oxygen (mg/L)	6.45	6.21	6.61	6.49	6.49	6.32
pH	7.98	7.97	8.00	8.02	8.06	8.02
Secchi Disc Depth (m)	1.1		1.1		1.0	
Turbidity (NTU)	3.88	6.38	4.88	6.25	3.88	4.13
Suspended Solids (mg/L)	6.00	10.88	8.25	11.25	5.25	6.13
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.07	0.06	0.06	0.06	0.07	0.06
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.11	0.09	0.11	0.08	0.11	0.10
Nitrate Nitrogen (mg/L)	0.74	0.62	0.70	0.57	0.69	0.60
Total Inorganic Nitrogen (mg/L)	0.90	0.77	0.87	0.70	0.87	0.76
Total Kjeldahl Nitrogen (mg/L)	0.43	0.43	0.46	0.39	0.40	0.39
Total Nitrogen (mg/L)	1.00	0.84	1.33	0.83	0.95	0.85
Orthophosphate Phosphorus (mg/L)	0.13	0.12	0.15	0.10	0.13	0.13
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	1.71	1.73	1.89	1.58	1.79	1.60
<i>E. coli</i> (cfu/100 mL)	139	229	102	117	169	177
Faecal Coliforms (cfu/100 mL)	329	481	227	221	308	308