

**Water quality of Sha Chau and Lung Kwu Chau Marine Park in Year 2018**

	N Lung Kwu Chau		Pak Chau		Sha Chau East	
Water Depth	Surface	Bottom	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	21.78		21.55		22.80	
Temperature (°C)	24.43	24.15	24.23	24.20	24.33	24.20
Salinity (‰)	21.73	25.69	23.81	24.54	22.90	25.38
Dissolved Oxygen (mg/L)	6.85	6.20	6.83	6.71	6.78	6.38
pH	7.95	8.00	8.03	8.05	8.08	8.06
Secchi Disc Depth (m)	1.2		1.1		1.4	
Turbidity (NTU)	5.00	5.00	8.75	9.88	4.50	4.63
Suspended Solids (mg/L)	10.50	10.25	24.38	27.63	8.38	10.38
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.08	0.08	0.06	0.07	0.09	0.08
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.11	0.11	0.10	0.09	0.11	0.10
Nitrate Nitrogen (mg/L)	0.87	0.86	0.73	0.68	0.86	0.81
Total Inorganic Nitrogen (mg/L)	1.05	1.04	0.88	0.84	1.05	0.99
Total Kjeldahl Nitrogen (mg/L)	0.35	0.34	0.34	0.39	0.45	0.40
Total Nitrogen (mg/L)	1.31	1.33	1.20	1.15	1.40	1.29
Orthophosphate Phosphorus (mg/L)	0.09	0.03	0.03	0.02	0.02	0.02
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	3.09	3.48	4.38	4.06	3.51	3.28
<i>E. coli</i> (cfu/100 mL)	105	108	66	45	40	48
Faecal Coliforms (cfu/100 mL)	188	195	120	77	84	94