

**Water quality of Sha Chau and Lung Kwu Chau Marine Park in Year 2021**

	N Lung Kwu Chau		Pak Chau		Sha Chau East	
Water Depth	Surface	Bottom	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	22.73		22.68		22.68	
Temperature (°C)	24.69	24.16	24.31	24.08	24.73	24.25
Salinity (‰)	24.36	24.38	26.13	27.28	25.18	26.78
Dissolved Oxygen (mg/L)	7.08	6.25	6.56	6.40	6.95	6.40
pH	8.03	8.00	8.00	8.03	8.03	8.00
Secchi Disc Depth (m)	0.7		0.6		0.6	
Turbidity (NTU)	5.38	5.63	6.63	6.50	5.50	5.33
Suspended Solids (mg/L)	8.75	8.88	12.13	10.88	7.38	7.13
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.02	0.02	0.02	0.02	0.02	0.03
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.07	0.07	0.06	0.08	0.06	0.07
Nitrate Nitrogen (mg/L)	0.59	0.58	0.52	0.55	0.54	0.54
Total Inorganic Nitrogen (mg/L)	0.67	0.66	0.59	0.63	0.60	0.63
Total Kjeldahl Nitrogen (mg/L)	0.28	0.29	0.34	0.28	0.34	0.25
Total Nitrogen (mg/L)	0.94	0.93	0.93	0.85	0.90	0.86
Orthophosphate Phosphorus (mg/L)	0.02	0.02	0.02	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)	4.03	2.89	3.85	3.51	3.31	3.78
<i>E. coli</i> (cfu/100 mL)	3	3	2	1	3	1
Faecal Coliforms (cfu/100 mL)	31	18	21	24	41	25