

Water Quality of Sha Chau and Lung Kwu Chau Marine Park in Year 2023

	N Lung Kwu Chau		Pak Chau		Sha Chau East	
	Surface	Bottom	Surface	Bottom	Surface	Bottom
Water Depth						
Air Temperature (°C)	22.50		22.50		22.55	
Temperature (°C)	24.40	23.98	24.24	24.20	24.68	24.20
Salinity (‰)	25.30	27.54	25.98	26.33	25.10	26.75
Dissolved Oxygen (mg/L)	7.03	6.29	6.95	6.70	7.18	6.64
pH	8.00	8.00	8.08	8.03	8.03	8.00
Secchi Disc Depth (m)	0.5		0.5		0.5	
Turbidity (NTU)	1.75	2.00	2.13	2.25	2.25	1.75
Suspended Solids (mg/L)	3.67	3.63	3.25	3.38	4.00	3.50
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.07	0.06	0.05	0.04	0.04	0.04
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.05	0.04	0.04	0.04	0.04	0.04
Nitrate Nitrogen (mg/L)	0.44	0.45	0.37	0.46	0.43	0.40
Total Inorganic Nitrogen (mg/L)	0.54	0.55	0.44	0.54	0.51	0.48
Total Kjeldahl Nitrogen (mg/L)	0.29	0.28	0.23	0.26	0.24	0.25
Total Nitrogen (mg/L)	0.79	0.78	0.66	0.79	0.74	0.71
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)	3.70	3.53	3.91	3.94	3.68	3.88
<i>E. coli</i> (cfu/100 mL)	1	1	1	3	2	1
Faecal Coliforms (cfu/100 mL)	3	3	5	6	8	3