

Water Quality of Sha Chau and Lung Kwu Chau Marine Park in Year 2022

	N Lung Kwu Chau		Pak Chau		Sha Chau East	
	Surface	Bottom	Surface	Bottom	Surface	Bottom
Water Depth						
Air Temperature (°C)	24.30		24.38		24.48	
Temperature (°C)	23.75	23.58	24.20	23.98	24.20	23.93
Salinity (‰)	26.48	28.66	27.10	29.61	28.28	30.18
Dissolved Oxygen (mg/L)	7.30	6.78	7.50	7.15	7.38	7.09
pH	8.10	8.03	8.10	8.08	8.13	8.10
Secchi Disc Depth (m)	0.9		0.9		0.9	
Turbidity (NTU)	3.00	3.50	2.88	3.00	2.63	3.13
Suspended Solids (mg/L)	4.50	5.25	4.00	4.88	4.13	4.50
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.06	0.05	0.04	0.05	0.05	0.04
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.05	0.05	0.05	0.04	0.04	0.05
Nitrate Nitrogen (mg/L)	0.71	0.68	0.70	0.68	0.71	0.68
Total Inorganic Nitrogen (mg/L)	0.80	0.76	0.79	0.77	0.79	0.77
Total Kjeldahl Nitrogen (mg/L)	0.31	0.33	0.30	0.33	0.31	0.28
Total Nitrogen (mg/L)	1.06	1.03	1.03	1.04	1.05	1.00
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)	3.84	4.11	3.31	3.09	2.89	3.46
<i>E. coli</i> (cfu/100 mL)	20	22	18	16	14	15
Faecal Coliforms (cfu/100 mL)	32	37	34	28	30	33