

Water Quality of Sha Chau and Lung Kwu Chau Marine Park in Year 2024

	N Lung Kwu Chau		Pak Chau		Sha Chau East	
Water Depth	Surface	Bottom	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	21.30		21.30		21.33	
Temperature (°C)	24.20	24.30	24.19	24.28	24.23	24.30
Salinity (‰)	22.70	27.01	23.93	26.40	22.86	25.28
Dissolved Oxygen (mg/L)	6.40	5.78	6.41	6.15	6.33	6.00
pH	8.15	8.23	8.23	8.30	8.18	8.23
Secchi Disc Depth (m)	1.4		1.3		1.4	
Turbidity (NTU)	5.25	5.50	5.00	4.88	4.88	4.63
Suspended Solids (mg/L)	6.00	6.25	6.00	5.50	5.25	5.13
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.04	0.04	0.04	0.03	0.05	0.04
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.08	0.07	0.07	0.08	0.08	0.07
Nitrate Nitrogen (mg/L)	0.68	0.68	0.67	0.69	0.68	0.67
Total Inorganic Nitrogen (mg/L)	0.79	0.78	0.79	0.80	0.80	0.78
Total Kjeldahl Nitrogen (mg/L)	0.29	0.29	0.30	0.31	0.28	0.26
Total Nitrogen (mg/L)	1.03	1.04	1.05	1.08	1.03	1.03
Orthophosphate Phosphorus (mg/L)	0.03	0.03	0.03	0.03	0.03	0.03
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	0.91	0.81	0.88	1.04	1.15	1.05
<i>E. coli</i> (cfu/100 mL)	122	108	121	103	103	161
Faecal Coliforms (cfu/100 mL)	248	229	236	241	233	337