

Water Quality Data of Sha Chau & Lung Kwu Chau Marine Park from January to March 2024 (1st Quarter)

	Lung Kwu Chau North		Pak Chau		Sha Chau East	
Water Depth	Surface	Bottom	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	15.00		15.00		15.00	
Temperature (°C)	19.40	19.40	19.30	19.70	19.20	19.50
Salinity (‰)	30.05	33.50	32.00	33.30	29.60	31.85
Dissolved Oxygen (mg/L)	7.50	6.70	7.40	7.10	7.50	7.00
pH	8.20	8.20	8.30	8.30	8.20	8.20
Secchi Disc Depth (m)	1.4		1.8		1.5	
Turbidity (NTU)	2.00	2.00	2.00	2.50	2.50	2.00
Suspended Solids (mg/L)	3.50	4.00	2.50	3.50	3.50	2.50
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.11	0.11	0.13	0.08	0.14	0.09
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.02	0.02	0.02	0.02	0.02	0.01
Nitrate Nitrogen (mg/L)	0.52	0.52	0.50	0.50	0.40	0.32
Total Inorganic Nitrogen (mg/L)	0.65	0.65	0.65	0.61	0.55	0.43
Total Kjeldahl Nitrogen (mg/L)	0.50	0.50	0.50	0.50	0.40	0.40
Total Nitrogen (mg/L)	1.00	1.00	1.05	1.00	0.80	0.80
Orthophosphate Phosphorus (mg/L)	0.02	0.02	0.03	0.02	0.01	0.02
Total Phosphorus (mg/L)	<0.10	<0.10	<0.10	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	1.80	1.90	1.95	1.90	2.10	1.65
<i>E. coli</i> (cfu/100 mL)	6	5	5	5	4	2
Faecal Coliforms (cfu/100 mL)	31	34	27	41	10	8