

Water Quality Data of South West Lantau Marine Park from January to March 2023 (1st Quarter)

	Yi O		Fan Lau West		Fan Lau East		Pak Kok	
	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
Water Depth								
Air Temperature (°C)	13.0		12.8		12.9		12.8	
Temperature (°C)	17.50	17.60	17.60	17.60	17.70	17.70	17.80	17.60
Salinity (‰)	32.50	32.60	32.50	32.50	32.40	32.50	32.50	32.50
Dissolved Oxygen (mg/L)	8.10	8.00	8.00	8.00	8.10	8.00	8.10	8.00
pH	8.20	8.00	8.10	8.00	8.10	8.00	8.00	7.95
Secchi Disc Depth (m)	0.8		0.6		0.7		0.8	
Turbidity (NTU)	3.00	3.00	3.00	3.50	4.50	9.00	3.00	2.00
Suspended Solids (mg/L)	3.50	5.00	4.00	4.50	7.50	15.50	4.00	3.00
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.05	0.04	0.06	0.05	0.05	0.06	0.04	0.04
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Nitrate Nitrogen (mg/L)	0.05	0.05	0.06	0.05	0.06	0.05	0.05	0.04
Total Inorganic Nitrogen (mg/L)	0.09	0.10	0.11	0.10	0.11	0.10	0.09	0.09
Total Kjeldahl Nitrogen (mg/L)	0.30	0.25	0.25	0.30	0.30	0.30	0.20	0.20
Total Nitrogen (mg/L)	0.35	0.30	0.35	0.30	0.35	0.30	0.30	0.30
Orthophosphate Phosphorus (mg/L)	<0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	0.45	0.60	0.50	0.60	0.80	0.60	0.60	0.60
<i>E. coli</i> (cfu/100 mL)	0	0	0	0	0	0	0	4
Faecal Coliforms (cfu/100 mL)	0	0	0	0	0	0	0	12