

Water Quality of Southwest Lantau Marine Park in Year 2023

	Yi O		Fan Lau West		Fan Lau East		Pak Kok	
	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
Water Depth								
Air Temperature (°C)	22.58		22.50		22.53		22.45	
Temperature (°C)	24.28	22.69	23.65	23.06	23.90	23.75	24.03	22.80
Salinity (‰)	27.40	32.38	30.05	31.61	29.45	29.80	30.10	32.23
Dissolved Oxygen (mg/L)	6.95	6.08	6.98	6.38	7.04	6.85	7.26	6.01
pH	8.13	8.05	8.08	8.03	8.08	8.05	8.13	8.04
Secchi Disc Depth (m)	0.6		0.4		0.4		0.6	
Turbidity (NTU)	4.00	3.88	3.88	4.00	4.00	5.50	3.88	3.88
Suspended Solids (mg/L)	6.63	6.13	6.13	6.25	6.63	9.63	6.00	6.38
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.05	0.04	0.03	0.03	0.04	0.04	0.03	0.03
Nitrate Nitrogen (mg/L)	0.36	0.27	0.14	0.16	0.29	0.28	0.19	0.19
Total Inorganic Nitrogen (mg/L)	0.42	0.32	0.24	0.26	0.34	0.33	0.23	0.24
Total Kjeldahl Nitrogen (mg/L)	0.26	0.24	0.24	0.25	0.24	0.20	0.24	0.26
Total Nitrogen (mg/L)	0.68	0.53	0.44	0.49	0.58	0.51	0.46	0.49
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)	5.04	2.94	3.59	3.41	4.31	3.94	3.51	4.03
<i>E. coli</i> (cfu/100 mL)	0	1	0	0	0	0	0	2
Faecal Coliforms (cfu/100 mL)	1	2	3	3	1	1	1	6