

Water Quality of Southwest Lantau Marine Park in Year 2024

	Yi O		Fan Lau West		Fan Lau East		Pak Kok	
Water Depth	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	21.45		21.40		21.40		21.33	
Temperature (°C)	23.78	23.73	23.85	23.80	23.80	23.90	23.93	23.80
Salinity (‰)	28.85	29.83	28.40	29.33	30.75	31.00	30.68	31.33
Dissolved Oxygen (mg/L)	6.65	6.20	6.73	6.30	6.40	6.18	6.93	6.10
pH	8.25	8.25	8.25	8.25	8.23	8.20	8.25	8.25
Secchi Disc Depth (m)	1.5		1.1		1.0		1.2	
Turbidity (NTU)	4.13	4.13	4.25	4.25	3.50	3.50	3.63	3.25
Suspended Solids (mg/L)	5.13	5.25	5.75	6.00	4.75	4.50	5.13	4.88
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.01
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.06	0.05	0.05	0.06	0.04	0.04	0.04	0.04
Nitrate Nitrogen (mg/L)	0.32	0.33	0.33	0.33	0.24	0.24	0.24	0.24
Total Inorganic Nitrogen (mg/L)	0.39	0.38	0.38	0.39	0.28	0.29	0.28	0.28
Total Kjeldahl Nitrogen (mg/L)	0.19	0.20	0.21	0.23	0.21	0.20	0.20	0.21
Total Nitrogen (mg/L)	0.59	0.60	0.60	0.61	0.49	0.50	0.48	0.48
Orthophosphate Phosphorus (mg/L)	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02
Total Phosphorus (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorophyll-a (µg/L)	2.25	2.36	2.53	2.65	2.93	2.24	2.91	2.34
<i>E. coli</i> (cfu/100 mL)	3	3	3	3	1	2	2	3
Faecal Coliforms (cfu/100 mL)	10	23	11	14	15	16	10	10