

**Water Quality of Southwest Lantau Marine Park in Year 2022**

	Yi O		Fan Lau West		Fan Lau East		Pak Kok	
Water Depth	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
Air Temperature (°C)	21.75		24.28		24.18		24.13	
Temperature (°C)	24.01	23.55	23.88	23.50	23.53	23.15	23.58	23.20
Salinity (‰)	28.01	32.96	30.74	33.38	32.85	33.25	32.78	33.63
Dissolved Oxygen (mg/L)	7.65	7.21	7.68	7.33	7.39	7.25	7.53	7.23
pH	8.13	8.15	8.25	8.23	8.13	8.13	8.13	8.15
Secchi Disc Depth (m)	0.6		0.5		0.5		0.5	
Turbidity (NTU)	2.13	2.88	2.50	3.63	2.75	3.75	2.38	3.13
Suspended Solids (mg/L)	4.00	4.63	4.00	5.75	4.50	5.38	5.13	5.88
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.03	0.02	0.03	0.02	0.03	0.03	0.02	0.02
Nitrate Nitrogen (mg/L)	0.68	0.38	0.27	0.21	0.30	0.27	0.30	0.25
Total Inorganic Nitrogen (mg/L)	0.73	0.44	0.50	0.44	0.35	0.32	0.35	0.30
Total Kjeldahl Nitrogen (mg/L)	0.30	0.28	0.28	0.25	0.28	0.26	0.23	0.23
Total Nitrogen (mg/L)	0.94	0.68	0.73	0.64	0.59	0.54	0.53	0.50
Orthophosphate Phosphorus (mg/L)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	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)	2.20	2.41	2.85	2.78	2.36	2.35	2.39	2.45
<i>E. coli</i> (cfu/100 mL)	3	1	3	4	9	13	4	3
Faecal Coliforms (cfu/100 mL)	7	4	6	8	11	22	7	7