

Water quality of South West Lantau Marine Park in Year 2021

	Yi O		Fan Lau West		Fan Lau East		Pak Kok	
	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
Water Depth								
Air Temperature (°C)	21.98		21.88		22.00		21.88	
Temperature (°C)	24.45	23.05	23.88	23.70	24.33	24.25	24.23	23.43
Salinity (‰)	25.75	31.96	30.73	31.30	27.98	28.44	30.13	31.83
Dissolved Oxygen (mg/L)	6.63	5.65	6.30	5.93	6.65	6.46	6.76	5.68
pH	7.90	7.93	7.93	7.90	8.05	8.03	8.03	7.95
Secchi Disc Depth (m)	0.7		0.5		0.5		0.7	
Turbidity (NTU)	4.25	4.00	10.38	12.25	4.75	4.38	5.38	4.88
Suspended Solids (mg/L)	7.38	5.50	17.50	25.13	9.63	8.75	8.75	10.50
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	<0.01	<0.01	<0.01	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)	0.05	0.05	0.05	0.05	0.06	0.06	0.05	0.05
Nitrate Nitrogen (mg/L)	0.36	0.40	0.06	0.05	0.35	0.35	0.20	0.23
Total Inorganic Nitrogen (mg/L)	0.41	0.44	0.20	0.20	0.40	0.40	0.23	0.23
Total Kjeldahl Nitrogen (mg/L)	0.36	0.25	0.29	0.26	0.26	0.24	0.25	0.43
Total Nitrogen (mg/L)	0.76	0.70	0.49	0.46	0.69	0.64	0.49	0.64
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)	2.08	1.78	2.80	3.34	2.69	2.60	4.39	3.76
<i>E. coli</i> (cfu/100 mL)	3	2	0	0	0	1	1	0
Faecal Coliforms (cfu/100 mL)	24	14	4	3	7	17	8	12