

Water Quality Data of South West Lantau from April to June 2022 (2nd Quarter)

	Yi O		Fan Lau West		Fan Lau East		Pak Kok	
	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
Water Depth								
Air Temperature (°C)	28.5		28.3		28.3		28.2	
Temperature (°C)	26.85	24.90	26.40	24.90	26.20	24.70	26.10	24.70
Salinity (‰)	11.95	31.65	22.85	33.40	31.30	32.90	30.70	34.00
Dissolved Oxygen (mg/L)	8.20	6.85	7.80	6.80	7.40	7.00	7.60	6.80
pH	8.10	8.00	8.10	8.10	8.10	8.10	8.10	8.10
Secchi Disc Depth (m)	0.7		0.6		0.6		0.7	
Turbidity (NTU)	2.50	5.50	3.50	8.50	5.00	9.00	3.50	6.50
Suspended Solids (mg/L)	4.50	7.50	4.50	10.50	7.50	10.50	9.00	12.50
5-Day Biochemical Oxygen Demand (mg/L)	<2	<2	<2	<2	<2	<2	<2	<2
Ammoniacal Nitrogen (mg/L)	0.03	0.05	0.03	0.03	0.04	0.03	<0.01	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)	0.04	0.02	0.03	0.02	0.01	0.01	0.01	0.01
Nitrate Nitrogen (mg/L)	1.69	0.47	0.86	0.62	0.21	0.13	0.26	0.09
Total Inorganic Nitrogen (mg/L)	1.75	0.54	0.92	0.67	0.26	0.18	0.30	0.13
Total Kjeldahl Nitrogen (mg/L)	<0.1	0.30	0.40	0.30	0.25	0.20	0.20	0.20
Total Nitrogen (mg/L)	1.80	0.80	1.20	0.95	0.50	0.35	0.50	0.35
Orthophosphate Phosphorus (mg/L)	0.03	0.01	0.02	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)	1.00	1.40	2.75	2.35	1.30	1.00	1.25	1.85
<i>E. coli</i> (cfu/100 mL)	0	0	0	0	0	1	0	0
Faecal Coliforms (cfu/100 mL)	1	2	0	1	0	1	1	0