

Water Quality Data of South West Lantau from April to June 2023 (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)	26.3		26.3		26.3		26.3	
Temperature (°C)	26.80	25.15	26.60	26.25	26.10	25.90	26.70	25.40
Salinity (‰)	24.50	30.90	25.40	28.75	28.90	29.20	27.80	30.30
Dissolved Oxygen (mg/L)	7.00	5.70	7.00	6.50	6.70	6.60	7.40	5.80
pH	8.20	8.20	8.20	8.20	8.20	8.20	8.30	8.20
Secchi Disc Depth (m)	0.4		0.3		0.3		0.4	
Turbidity (NTU)	3.00	2.50	3.00	2.50	2.50	2.00	2.00	2.50
Suspended Solids (mg/L)	6.00	4.00	5.00	3.50	5.00	4.50	4.50	6.00
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	0.01	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)	0.02	0.02	0.01	0.02	<0.01	0.02	<0.01	<0.01
Nitrate Nitrogen (mg/L)	0.40	0.41	0.34	0.47	0.25	0.25	0.27	0.27
Total Inorganic Nitrogen (mg/L)	0.42	0.43	0.35	0.48	0.27	0.27	0.27	0.29
Total Kjeldahl Nitrogen (mg/L)	0.40	0.35	0.30	0.30	0.35	0.20	0.20	0.40
Total Nitrogen (mg/L)	0.80	0.75	0.60	0.80	0.60	0.45	0.45	0.65
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)	6.15	5.80	5.85	4.30	5.55	5.60	5.40	6.00
<i>E. coli</i> (cfu/100 mL)	0	0	1	0	0	0	0	2
Faecal Coliforms (cfu/100 mL)	3	2	8	9	3	1	4	9