

Water quality of Proposed South West Lantau Marine Park in Year 2019

	Yi O		Fan Lau West		Fan Lau East		Pak Kok	
	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
Water Depth								
Air Temperature (°C)	24.38		23.88		24.03		24.05	
Temperature (°C)	24.55	24.30	24.83	24.75	24.95	24.83	25.03	24.78
Salinity (‰)	26.18	29.10	30.15	30.25	26.90	28.65	29.93	30.73
Dissolved Oxygen (mg/L)	6.73	6.48	6.75	6.68	6.73	6.60	6.83	6.63
pH	8.08	8.10	8.10	8.13	8.08	8.08	8.08	8.10
Secchi Disc Depth (m)	0.6		0.5		0.4		0.4	
Turbidity (NTU)	7.13	12.25	8.38	15.00	7.50	8.50	7.00	8.50
Suspended Solids (mg/L)	14.63	15.63	16.50	17.50	12.50	12.13	9.13	11.38
5-Day Biochemical Oxygen Demand (mg/L)	2.25	<2	3.00	2.00	2.75	<2	<2	2.38
Ammoniacal Nitrogen (mg/L)	0.04	0.03	0.02	0.02	0.07	0.11	0.04	0.05
Unionized Ammonia (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite Nitrogen (mg/L)	0.09	0.06	0.03	0.03	0.11	0.07	0.03	0.04
Nitrate Nitrogen (mg/L)	0.48	0.37	0.08	0.06	0.40	0.36	0.21	0.20
Total Inorganic Nitrogen (mg/L)	0.60	0.46	0.27	0.24	0.52	0.45	0.28	0.30
Total Kjeldahl Nitrogen (mg/L)	0.36	0.28	0.35	0.29	0.50	0.29	0.31	0.48
Total Nitrogen (mg/L)	0.90	0.69	0.56	0.49	0.96	0.69	0.54	0.73
Orthophosphate Phosphorus (mg/L)	0.03	0.02	0.01	0.01	0.02	0.02	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)	1.99	1.81	3.23	3.13	2.34	1.84	3.09	2.79
<i>E. coli</i> (cfu/100 mL)	5	6	2	2	4	2	1	1
Faecal Coliforms (cfu/100 mL)	154	19	4	4	123	30	8	2