

2nd Tolo Harbour Water Quality Impact Monitoring (11 May 2016 to 17 May 2016)

Location	Temperature (°C)	pH	Salinity (ppt)	DO (Surface & Middle) (mg/L)	DO (Bottom) (mg/L)	Turbidity (NTU)	E-Coli (cfu/100 ml)	NH ₃ -N (mg/L)	TIN (mg/L)	SS (mg/L)	BOD (mg/L)	Chlorophyll-a (mg/m ³)	
Mid-Ebb Tide													
C1	Max	29.4	8.7	32.2	8.4	6.4	8.0	160.0	0.068	0.116	16.6	3.0	0.023
	Min	22.1	8.3	19.7	4.7	3.9	0.3	1.0	0.012	0.012	2.2	1.0	0.003
	Mean	24.3	8.4	28.5	6.8	5.0	2.2	28.9	0.040	0.053	5.9	1.8	0.011
C12 (control Station)	Max	26.1	8.8	32.3	8.4	6.4	7.6	0.0	0.072	0.124	16.5	2.0	0.027
	Min	2.5	8.3	20.8	4.3	3.5	0.3	47.0	0.014	0.011	1.2	1.0	0.002
	Mean	23.8	8.4	29.3	6.7	5.1	1.9	12.2	0.024	0.050	4.4	1.7	0.007
G1	Max	27.1	8.8	31.9	9.3	4.6	9.3	170.0	0.175	0.263	19.0	4.0	0.040
	Min	21.7	8.2	16.7	4.0	2.9	0.7	0.1	0.016	0.010	2.3	1.0	0.001
	Mean	24.5	8.4	28.5	6.7	3.6	3.1	19.3	0.074	0.103	6.5	2.3	0.016
FC2	Max	27.0	8.8	32.0	9.7	4.6	7.4	160.0	0.118	0.278	19.9	4.0	0.033
	Min	22.3	8.0	16.4	4.6	2.9	1.3	0.0	0.016	0.011	3.0	1.0	0.002
	Mean	24.6	8.4	27.3	6.9	3.8	3.9	15.7	0.045	0.083	7.1	2.5	0.016
W1	Max	28.5	8.8	30.7	9.9	9.7	23.2	270.0	0.027	0.410	7.3	6.0	0.043
	Min	22.5	8.2	17.6	6.8	3.3	1.6	1.0	0.016	0.015	0.0	1.0	0.001
	Mean	25.1	8.4	25.5	8.2	6.8	8.0	32.8	0.022	0.055	3.7	3.6	0.015
W2	Max	28.4	8.8	31.5	96.0	61.9	8.7	140.0	0.143	0.427	14.4	4.0	0.028
	Min	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.000	0.000	0.0	0.0	0.000
	Mean	17.4	5.9	18.5	19.0	15.4	2.6	28.4	0.074	0.113	5.8	1.7	0.010

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Location	Temperature (°C)	pH	Salinity (ppt)	DO (Surface & Middle) (mg/L)	DO (Bottom) (mg/L)	Turbidity (NTU)	E-Coli (cfu/100 ml)	NH ₃ -N (mg/L)	TIN (mg/L)	SS (mg/L)	BOD (mg/L)	Chlorophyll-a (mg/m ³)	
Mid-Flood Tide													
C1	Max	26.1	8.8	32.2	7.9	6.6	9.1	67.0	0.066	0.120	14.0	3.0	0.021
	Min	22.2	8.2	19.7	4.9	1.2	0.3	0.0	0.011	0.014	1.5	1.0	0.002
	Mean	24.2	8.4	28.9	6.8	5.1	2.5	17.2	0.021	0.056	5.9	1.9	0.010
C12 (control Station)	Max	26.1	8.7	32.3	8.5	7.2	9.4	0.0	0.071	0.110	13.3	2.0	0.021
	Min	21.5	8.2	23.2	3.6	3.3	0.3	29.0	0.009	0.010	1.2	1.0	0.001
	Mean	24.4	8.4	29.6	6.6	5.4	1.8	9.6	0.028	0.059	4.6	1.6	0.006
G1	Max	27.4	8.9	32.2	10.5	6.6	9.0	230.0	0.172	0.261	16.7	5.0	0.038
	Min	21.7	8.1	16.8	2.8	2.9	0.6	0.1	0.011	0.010	2.2	1.0	0.001
	Mean	24.6	8.5	28.6	6.9	4.8	3.1	25.3	0.047	0.105	6.6	2.6	0.017
FC2	Max	27.2	8.7	31.2	11.6	30.3	8.7	120.0	0.175	0.253	13.6	5.0	0.036
	Min	21.9	8.1	0.0	2.8	0.0	0.8	0.1	0.015	0.010	2.1	1.0	0.002
	Mean	24.5	8.4	26.4	7.1	6.8	4.0	14.4	0.050	0.101	6.3	2.6	0.016
W1	Max	28.8	8.8	30.5	9.8	9.9	29.7	160.0	0.139	0.334	19.2	6.0	0.031
	Min	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.000	0.000	0.0	0.0	0.000
	Mean	17.6	5.9	17.9	4.5	7.4	5.7	33.5	0.052	0.099	6.2	2.3	0.017
W2	Max	28.6	8.7	31.8	10.8	9.3	106.0	140.0	0.143	0.427	14.4	4.0	0.028
	Min	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.000	0.000	0.0	0.0	0.000
	Mean	17.4	5.9	18.5	4.3	7.0	5.2	28.9	0.074	0.113	5.8	1.7	0.010