

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 31-Jul-20

Date	Tidal	Weather Condition	Sea Condition	Monitoring Station	Time	Water Depth, m	Water Level	Replicate	Sampling Depth	Temperature, °C	pH	DO Saturation, %	DO, mg/L		Salinity, ppt		Turbidity, NTU		Suspended Solid, mg/L		Ammonia Nitrogen, mg/L		Total Nitrogen, mg/L		Total Inorganic Nitrogen, mg/L		Total Phosphorus, mg/L		Biochemical Oxygen Demand, mg/L		E. Coli, Cfu/100ml									
													Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
7/31/2020	Mid-Ebb	Sunny	Moderate	C	9:20	9.6	Surface	1	1.0	29.4	8.1	87.7	5.86	5.9	36.24	36.34	3.2	3.3	5.2	4.9	-	<0.02	<0.02	0.27	0.30	<0.05	<0.05	0.02	0.02	1.6	1.2	17	15							
7/31/2020	Mid-Ebb	Sunny	Moderate	C			Surface	2	1.0	29.4	8.1	90.2	6.04	-	36.10	-	3.1	-	4.9	-	-	<0.02	-	0.28	-	<0.05	-	0.02	-	1.0	-	25	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	C			Middle	1	4.8	25.7	8.1	86.2	5.81	-	36.20	-	3.2	-	4.5	-	-	<0.02	-	0.33	-	<0.05	-	0.02	-	1.2	-	13	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	C			Middle	2	4.8	25.6	8.0	87.7	5.90	-	36.33	-	3.4	-	5.0	-	-	<0.02	-	0.30	-	<0.05	-	0.02	-	<1.0	-	9	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	1	8.6	23.3	8.1	85.2	5.71	5.8	36.54	-	3.5	-	5.0	-	-	<0.02	-	0.29	-	<0.05	-	0.02	-	1.3	-	11	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	2	8.6	23.2	8.0	86.2	5.78	-	36.60	-	3.4	-	4.8	-	-	<0.02	-	0.33	-	<0.05	-	0.02	-	<1.0	-	15	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	N1	9:42	6.2	Surface	1	1.0	28.9	8.1	96.5	6.48	6.5	36.06	36.21	3.4	3.4	3.8	4.7	-	<0.02	<0.02	0.30	0.30	<0.05	<0.05	0.02	0.02	<1.0	<1.0	18	15							
7/31/2020	Mid-Ebb	Sunny	Moderate	N1			Surface	2	1.0	29.0	8.1	98.1	6.60	-	36.06	-	3.3	-	3.7	-	-	<0.02	-	0.30	-	<0.05	-	0.02	-	<1.0	-	15	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	1	3.1	28.8	8.0	97.4	6.54	-	36.22	-	3.3	-	4.9	-	-	<0.02	-	0.30	-	<0.05	-	0.02	-	<1.0	-	8	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	2	3.1	28.7	8.0	95.8	6.45	-	36.24	-	3.4	-	4.3	-	-	<0.02	-	0.29	-	<0.05	-	0.02	-	<1.0	-	11	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	1	5.2	26.2	8.0	94.5	6.36	6.4	36.34	-	3.5	-	6.0	-	-	<0.02	-	0.29	-	<0.05	-	0.02	-	<1.0	-	16	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	2	5.2	26.6	8.0	96.5	6.49	-	36.34	-	3.3	-	5.7	-	-	<0.02	-	0.30	-	<0.05	-	0.03	-	<1.0	-	22	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	FCZ1B	10:04	4.7	Surface	1	1.0	28.6	8.1	94.6	6.38	6.4	36.02	36.12	2.8	2.8	6.4	5.8	-	<0.02	<0.02	0.31	0.30	<0.05	<0.05	0.02	0.02	1.1	1.0	19	18							
7/31/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Surface	2	1.0	28.7	8.1	94.6	6.37	-	36.02	-	2.7	-	7.6	-	-	<0.02	-	0.31	-	<0.05	-	0.02	-	1.0	-	15	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Bottom	1	3.7	26.9	8.1	94.4	6.30	6.3	36.20	-	2.8	-	4.5	-	-	<0.02	-	0.29	-	<0.05	-	0.02	-	<1.0	-	22	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Bottom	2	3.7	27.0	8.0	93.9	6.29	-	36.24	-	2.8	-	4.8	-	-	<0.02	-	0.28	-	<0.05	-	0.02	-	<1.0	-	17	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	H4A	10:19	1.6	Middle	1	0.8	28.9	8.0	94.3	6.33	6.3	35.86	35.86	2.8	2.8	7.0	7.1	-	<0.02	<0.02	0.28	0.29	<0.05	<0.05	0.02	0.02	1.0	1.0	27	31							
7/31/2020	Mid-Ebb	Sunny	Moderate	H4A			Middle	2	0.8	28.9	8.0	93.9	6.30	-	35.85	-	2.8	-	7.1	-	-	<0.02	-	0.30	-	<0.05	-	0.02	-	<1.0	-	35	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	H1A	10:29	1.0	Middle	1	0.5	28.9	7.9	94.9	6.37	6.4	35.60	35.55	3.0	3.1	5.3	5.2	-	<0.02	<0.02	0.32	0.31	<0.05	<0.05	0.02	0.02	1.6	1.7	11	10							
7/31/2020	Mid-Ebb	Sunny	Moderate	H1A			Middle	2	0.5	28.9	7.9	94.3	6.33	-	35.50	-	3.1	-	5.1	-	-	<0.02	-	0.29	-	<0.05	-	0.02	-	1.8	-	8	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	M1A	10:40	0.6	Middle	1	0.3	28.6	8.1	95.1	6.38	6.4	36.00	36.01	2.9	2.9	7.0	7.4	-	<0.02	<0.02	0.29	0.30	<0.05	<0.05	0.02	0.02	1.1	1.1	23	26							
7/31/2020	Mid-Ebb	Sunny	Moderate	M1A			Middle	2	0.3	28.6	8.1	96.5	6.47	-	36.01	-	2.9	-	7.8	-	-	<0.02	-	0.31	-	<0.05	-	0.02	-	1.0	-	29	-							
7/31/2020	Mid-Ebb	Sunny	Moderate	SGA	10:51	0.8	Middle	1	0.4	28.7	8.0	96.0	6.44	6.5	35.94	35.94	3.1	3.2	4.5	4.3	-	<0.02	<0.02	0.28	0.28	<0.05	<0.05	0.02	0.02	<1.0	<1.0	20	23							
7/31/2020	Mid-Ebb	Sunny	Moderate	SGA			Middle	2	0.4	28.7	8.0	96.4	6.49	-	35.94	-	3.2	-	4.0	-	-	<0.02	-	0.27	-	<0.05	-	0.02	-	<1.0	-	26	-							

DA - Depth-averaged
 ND - Not Detected