

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 3-Aug-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 Soild, 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
8/3/2020	Mid-Ebb	Rainy	Moderate	C	11:30	9.0	Surface	1	1.0	26.9	8.0	87.7	5.80	5.5	33.37	34.46	3.2	3.1	5.1	3.7	0.07	0.08	0.49	0.49	0.19	0.20	0.04	0.03	<1.0	<1.0	78	70		
8/3/2020	Mid-Ebb	Rainy	Moderate	C			Surface	2	1.0	26.9	8.0	87.4	5.78	-	33.50	-	3.1	-	4.2	-	0.08	-	0.47	-	0.2	-	0.03	-	<1.0	-	84	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	C			Middle	1	4.5	27.1	7.9	79.8	5.22	-	34.94	-	3.1	-	3.2	-	0.08	-	0.49	-	0.22	-	0.03	-	<1.0	-	88	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	C			Middle	2	4.5	27.1	8.0	80.3	5.25	-	34.94	-	3.2	-	3.2	-	0.07	-	0.49	-	0.19	-	0.04	-	<1.0	-	95	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	C			Bottom	1	8.0	27.0	7.9	75.5	4.94	5.0	35.01	-	3.1	-	3.6	-	0.08	-	0.50	-	0.2	-	0.03	-	<1.0	-	40	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	C			Bottom	2	8.0	27.0	8.0	76.8	5.03	-	34.99	-	3.0	-	2.7	-	0.08	-	0.49	-	0.21	-	0.02	-	<1.0	-	34	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	N1	11:53	6.2	Surface	1	1.0	26.9	8.0	86.2	5.64	5.6	33.72	34.47	2.7	2.7	2.8	3.6	0.08	0.08	0.48	0.50	0.19	0.21	0.02	0.02	0.02	0.02	<1.0	1.0	72	65
8/3/2020	Mid-Ebb	Rainy	Moderate	N1			Surface	2	1.0	26.9	8.0	85.1	5.63	-	33.58	-	2.6	-	3.6	-	0.07	-	0.47	-	0.2	-	0.02	-	<1.0	-	65	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	N1			Middle	1	3.1	27.1	8.0	84.2	5.51	-	34.79	-	2.6	-	2.7	-	0.07	-	0.46	-	0.2	-	0.02	-	1.0	-	60	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	N1			Middle	2	3.1	27.1	8.0	83.8	5.54	-	34.91	-	2.7	-	3.5	-	0.08	-	0.55	-	0.22	-	0.02	-	1.0	-	57	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	N1			Bottom	1	5.2	27.0	8.0	80.9	5.30	5.3	34.97	-	2.6	-	4.5	-	0.08	-	0.56	-	0.22	-	0.03	-	<1.0	-	72	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	N1			Bottom	2	5.2	27.1	8.0	80.8	5.29	-	34.86	-	2.7	-	4.5	-	0.07	-	0.48	-	0.21	-	0.03	-	<1.0	-	66	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	FCZ1B	12:17	4.7	Surface	1	1.0	26.9	8.0	86.5	5.67	5.8	33.60	34.27	2.8	2.9	3.0	3.4	0.07	0.08	0.47	0.48	0.21	0.21	0.03	0.03	1.2	1.1	55	58		
8/3/2020	Mid-Ebb	Rainy	Moderate	FCZ1B			Surface	2	1.0	27.0	8.0	90.8	5.94	-	33.80	-	2.8	-	3.5	-	0.08	-	0.47	-	0.21	-	0.03	-	1.0	-	51	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	FCZ1B			Bottom	1	3.7	27.0	8.0	85.6	5.65	5.7	34.84	-	2.9	-	4.0	-	0.08	-	0.50	-	0.21	-	0.02	-	1.1	-	58	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	FCZ1B			Bottom	2	3.7	27.1	8.0	86.6	5.71	-	34.85	-	2.9	-	3.1	-	0.08	-	0.46	-	0.2	-	0.02	-	1.0	-	66	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	H4A	12:30	1.4	Middle	1	0.7	26.9	8.0	89.7	5.93	6.0	33.55	33.49	2.5	2.5	2.7	3.3	0.07	0.07	0.46	0.45	0.2	0.20	0.03	0.03	1.1	1.1	46	52		
8/3/2020	Mid-Ebb	Rainy	Moderate	H4A			Middle	2	0.7	26.9	8.0	90.7	6.00	-	33.42	-	2.5	-	2.9	-	0.07	-	0.43	-	0.19	-	0.03	-	1.0	-	57	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	H1A	12:43	1.0	Middle	1	0.5	26.9	8.0	92.5	6.13	6.1	33.23	33.29	2.4	2.4	3.3	2.9	0.07	0.07	0.44	0.46	0.2	0.20	0.03	0.03	1.0	1.0	53	48		
8/3/2020	Mid-Ebb	Rainy	Moderate	H1A			Middle	2	0.5	26.9	8.0	92.2	6.10	-	33.35	-	2.4	-	2.4	-	0.07	-	0.47	-	0.2	-	0.03	-	<1.0	-	42	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	M1A	12:56	0.8	Middle	1	0.4	26.9	8.0	93.4	6.20	6.2	33.13	33.11	2.6	2.6	4.2	3.7	0.07	0.07	0.45	0.46	0.19	0.19	0.03	0.03	1.5	1.3	55	52		
8/3/2020	Mid-Ebb	Rainy	Moderate	M1A			Middle	2	0.4	26.9	8.0	92.3	6.12	-	33.09	-	2.6	-	3.2	-	0.07	-	0.47	-	0.19	-	0.03	-	1.0	-	48	-		
8/3/2020	Mid-Ebb	Rainy	Moderate	SGA	13:07	0.6	Middle	1	0.3	26.9	8.0	93.6	6.21	6.2	33.14	33.09	2.8	2.8	3.1	2.8	0.07	0.07	0.43	0.44	0.2	0.20	0.02	0.03	1.0	1.0	61	65		
8/3/2020	Mid-Ebb	Rainy	Moderate	SGA			Middle	2	0.3	26.9	8.0	92.5	6.14	-	33.03	-	2.8	-	2.4	-	0.07	-	0.44	-	0.2	-	0.03	-	<1.0	-	69	-		

DA - Depth-averaged

ND - Not Detected

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 5-Aug-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 Soild, 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
8/5/2020	Mid-Ebb	Cloudy	Moderate	C	12:51	9.6	Surface	1	1.0	26.6	8.1	86.1	5.67	5.6	32.60	33.75	2.5	2.5	3.3	3.8	<0.02	<0.02	0.26	0.34	0.05	0.05	0.01	0.01	<1.0	1.2	2	1
8/5/2020	Mid-Ebb	Cloudy	Moderate	C			Surface	2	1.0	26.6	8.1	85.9	5.66	-	32.65	-	2.5	-	4.2	-	<0.02	-	0.28	-	0.06	-	0.01	-	<1.0	-	NOT DETECTED	-
8/5/2020	Mid-Ebb	Cloudy	Moderate	C			Middle	1	4.8	26.5	8.0	84.6	5.61	-	34.21	-	2.6	-	1.9	-	<0.02	-	0.28	-	0.05	-	0.01	-	<1.0	-	NOT DETECTED	-
8/5/2020	Mid-Ebb	Cloudy	Moderate	C			Middle	2	4.8	26.5	8.0	82.8	5.49	-	34.17	-	2.5	-	2.8	-	<0.02	-	0.67	-	0.06	-	0.01	-	2.2	-	NOT DETECTED	-
8/5/2020	Mid-Ebb	Cloudy	Moderate	C			Bottom	1	8.6	26.5	8.0	81.0	5.37	5.4	34.45	-	2.5	-	4.7	-	<0.02	-	0.26	-	<0.05	-	0.01	-	<1.0	-	2	-
8/5/2020	Mid-Ebb	Cloudy	Moderate	C			Bottom	2	8.6	26.5	8.0	80.4	5.34	-	34.43	-	2.6	-	5.8	-	<0.02	-	0.26	-	<0.05	-	0.01	-	<1.0	-	1	-
8/5/2020	Mid-Ebb	Cloudy	Moderate	N1	13:15	6.5	Surface	1	1.0	27.0	8.0	85.0	5.63	5.5	33.03	33.73	1.8	2.1	4.9	4.9	<0.02	<0.02	0.43	0.44	0.09	0.09	0.02	0.02	1.0	1.1	27	35
8/5/2020	Mid-Ebb	Cloudy	Moderate	N1			Surface	2	1.0	27.2	8.0	86.9	5.76	-	32.38	-	1.8	-	5.1	-	<0.02	-	0.42	-	0.09	-	0.02	-	<1.0	-	22	-
8/5/2020	Mid-Ebb	Cloudy	Moderate	N1			Middle	1	3.3	26.7	8.0	81.5	5.38	-	34.18	-	2.1	-	5.4	-	<0.02	-	0.43	-	0.08	-	0.02	-	<1.0	-	62	-
8/5/2020	Mid-Ebb	Cloudy	Moderate	N1			Middle	2	3.3	26.6	8.0	81.7	5.39	-	33.95	-	2.2	-	4.7	-	<0.02	-	0.45	-	0.08	-	0.02	-	1.0	-	69	-
8/5/2020	Mid-Ebb	Cloudy	Moderate	N1			Bottom	1	5.5	26.7	8.0	76.7	5.09	5.1	34.39	-	2.3	-	4.7	-	<0.02	-	0.49	-	0.08	-	0.02	-	<1.0	-	14	-
8/5/2020	Mid-Ebb	Cloudy	Moderate	N1			Bottom	2	5.5	26.7	8.0	76.9	5.10	-	34.42	-	2.2	-	4.5	-	<0.02	-	0.44	-	0.09	-	0.02	-	1.8	-	18	-
8/5/2020	Mid-Ebb	Cloudy	Moderate	FCZ1B	13:37	4.9	Surface	1	1.0	27.1	7.9	81.2	5.35	5.3	33.42	33.84	1.9	1.9	3.8	3.8	<0.02	<0.02	0.56	0.51	0.14	0.14	0.02	0.02	<1.0	1.4	15	19
8/5/2020	Mid-Ebb	Cloudy	Moderate	FCZ1B			Surface	2	1.0	26.9	8.0	78.6	5.20	-	33.67	-	1.9	-	4.0	-	<0.02	-	0.51	-	0.13	-	0.02	-	2.0	-	11	-
8/5/2020	Mid-Ebb	Cloudy	Moderate	FCZ1B			Bottom	1	3.9	26.9	8.0	77.3	5.10	5.1	34.12	-	1.9	-	4.2	-	<0.02	-	0.46	-								

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 7-Aug-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 Soil, 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
8/7/2020	Mid-Ebb	Sunny	Moderate	C	13:52	9.5	Surface	1	1.0	28.5	8.3	122.0	8.03	7.2	31.39	32.90	2.7	2.9	4.3	5.4	<0.02	<0.02	0.36	0.36	<0.05	<0.05	0.02	0.02	2.5	2.6	1	<1
8/7/2020	Mid-Ebb	Sunny	Moderate	C			Surface	2	1.0	28.1	8.2	132.9	8.74	-	31.26	-	2.8	-	4.6	-	<0.02	-	0.37	-	<0.05	-	0.02	-	2.5	-	NOT DETECTED	-
8/7/2020	Mid-Ebb	Sunny	Moderate	C			Middle	1	4.8	26.9	7.9	90.3	5.96	-	33.63	-	2.9	-	5.9	-	<0.02	-	0.37	-	<0.05	-	0.02	-	2.5	-	NOT DETECTED	-
8/7/2020	Mid-Ebb	Sunny	Moderate	C			Middle	2	4.8	26.9	8.0	89.7	5.94	-	33.67	-	2.9	-	5.7	-	<0.02	-	0.35	-	<0.05	-	0.02	-	2.9	-	NOT DETECTED	-
8/7/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	1	8.5	26.9	8.0	79.0	5.22	5.2	33.66	-	2.9	-	5.3	-	<0.02	-	0.36	-	<0.05	-	0.02	-	2.4	-	NOT DETECTED	-
8/7/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	2	8.5	26.9	7.9	79.0	5.22	-	33.77	-	2.9	-	6.3	-	<0.02	-	0.36	-	<0.05	-	0.02	-	2.8	-	NOT DETECTED	-
8/7/2020	Mid-Ebb	Sunny	Moderate	N1	14:20	6.4	Surface	1	1.0	28.5	8.3	136.6	9.17	7.5	31.82	33.02	2.2	2.2	4.8	4.9	<0.02	0.02	0.50	0.48	<0.05	<0.05	0.02	0.02	3.0	3.0	NOT DETECTED	3
8/7/2020	Mid-Ebb	Sunny	Moderate	N1			Surface	2	1.0	28.4	8.2	141.5	9.33	-	31.89	-	2.1	-	4.6	-	<0.02	-	0.57	-	<0.05	-	0.02	-	2.9	-	NOT DETECTED	-
8/7/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	1	3.2	27.3	8.0	88.1	5.82	-	33.22	-	2.1	-	5.5	-	<0.02	-	0.50	-	<0.05	-	0.02	-	3.3	-	1	-
8/7/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	2	3.2	27.3	8.0	87.4	5.77	-	33.27	-	2.2	-	5.3	-	<0.02	-	0.54	-	<0.05	-	0.02	-	3.4	-	NOT DETECTED	-
8/7/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	1	5.4	26.8	8.0	87.3	5.75	5.6	33.97	-	2.2	-	4.7	-	0.03	-	0.39	-	<0.05	-	0.02	-	2.6	-	7	-
8/7/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	2	5.4	26.9	8.0	87.3	5.51	-	33.94	-	2.1	-	4.4	-	<0.02	-	0.37	-	<0.05	-	0.02	-	2.6	-	9	-
8/7/2020	Mid-Ebb	Sunny	Moderate	FCZ1B	14:42	4.5	Surface	1	1.0	29.8	8.2	124.1	8.22	8.2	31.79	32.58	2.3	2.3	5.4	5.3	<0.02	<0.02	0.48	0.50	<0.05	0.06	0.02	0.02	3.2	3.0	34	36
8/7/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Surface	2	1.0	29.9	8.2	123.1	8.15	-	31.87	-	2.3	-	6.3	-	<0.02	-	0.49	-	<0.05	-	0.02	-	2.9	-	29	-
8/7/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Bottom	1	3.5	27.3	8.0	95.6	6.27	6.3	33.32	-	2.3	-	5.2	-	<0.02	-	0.54	-	0.08	-	0.03	-	2.6	-	37	-
8/7/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Bottom	2	3.5	27.2	8.0	95.1	6.25	-	33.35	-	2.3	-	4.3	-	<0.02	-	0.48	-	<0.05	-	0.02	-	3.1	-	42	-
8/7/2020	Mid-Ebb	Sunny	Moderate	H4A	14:55	1.4	Middle	1	0.7	29.3	8.4	132.0	8.97	8.8	31.59	31.59	2.6	2.6	6.1	6.2	<0.02	<0.02	0.56	0.55	0.08	0.07	0.03	0.03	2.5	2.5	48	45
8/7/2020	Mid-Ebb	Sunny	Moderate	H4A			Middle	2	0.7	29.2	8.4	128.4	8.69	-	31.58	-	2.6	-	6.3	-	<0.02	-	0.54	-	<0.05	-	0.03	-	2.5	-	41	-
8/7/2020	Mid-Ebb	Sunny	Moderate	H1A	15:06	0.8	Middle	1	0.4	30.0	8.5	132.0	8.99	9.0	31.14	31.22	2.8	2.8	5.7	6.1	<0.02	<0.02	0.54	0.55	<0.05	<0.05	0.03	0.03	2.6	2.8	51	53
8/7/2020	Mid-Ebb	Sunny	Moderate	H1A			Middle	2	0.4	30.1	8.5	132.1	8.99	-	31.29	-	2.8	-	6.5	-	<0.02	-	0.55	-	<0.05	-	0.03	-	3.0	-	55	-
8/7/2020	Mid-Ebb	Sunny	Moderate	M1A	15:19	0.8	Middle	1	0.4	29.9	8.5	130.1	8.89	8.9	31.36	31.42	2.8	2.8	5.4	5.9	<0.02	0.02	0.48	0.51	<0.05	0.07	0.02	0.03	3.1	3.0	64	68
8/7/2020	Mid-Ebb	Sunny	Moderate	M1A			Middle	2	0.4	29.9	8.5	130.1	8.89	-	31.47	-	2.8	-	6.3	-	0.02	-	0.54	-	0.09	-	0.03	-	2.8	-	72	-
8/7/2020	Mid-Ebb	Sunny	Moderate	SGA	15:28	0.8	Middle	1	0.4	29.8	8.5	132.5	9.08	9.1	32.42	32.74	2.5	2.6	6.4	6.0	<0.02	<0.02	0.54	0.55	<0.05	0.07	0.03	0.03	2.6	2.7	62	59
8/7/2020	Mid-Ebb	Sunny	Moderate	SGA			Middle	2	0.4	29.8	8.5	132.0	9.05	-	33.05	-	2.6	-	5.5	-	<0.02	-	0.55	-	0.08	-	0.03	-	2.7	-	55	-

DA - Depth-averaged
ND - Not Detected

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 10-Aug-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 Soil, 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
8/10/2020	Mid-Ebb	Sunny	Moderate	C	15:07	9.1	Surface	1	1.0	29.1	8.2	118.4	7.64	6.6	31.98	33.33	2.2	2.3	4.1	4.6	<0.02	<0.02	0.34	0.36	<0.05	<0.05	0.01	0.01	3.0	2.4	NOT DETECTED	ND
8/10/2020	Mid-Ebb	Sunny	Moderate	C			Surface	2	1.0	29.1	8.2	116.4	7.51	-	32.09	-	2.2	-	4.3	-	<0.02	-	0.34	-	<0.05	-	0.01	-	2.3	-	NOT DETECTED	-
8/10/2020	Mid-Ebb	Sunny	Moderate	C			Middle	1	4.6	26.8	8.0	84.1	5.58	-	33.94	-	2.2	-	4.6	-	<0.02	-	0.34	-	<0.05	-	0.01	-	2.1	-	NOT DETECTED	-
8/10/2020	Mid-Ebb	Sunny	Moderate	C			Middle	2	4.6	26.9	8.0	84.9	5.62	-	33.80	-	2.2	-	5.1	-	<0.02	-	0.34	-	<0.05	-	0.01	-	2.3	-	NOT DETECTED	-
8/10/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	1	8.1	26.6	8.0	75.2	4.98	5.0	34.12	-	2.5	-	4.1	-	<0.02	-	0.38	-	<0.05	-	0.01	-	2.0	-	NOT DETECTED	-
8/10/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	2	8.1	26.7	8.0	76.1	5.05	-	34.07	-	2.4	-	5.1	-	<0.02	-	0.39	-	<0.05	-	0.01	-	2.9	-	NOT DETECTED	-
8/10/2020	Mid-Ebb	Sunny	Moderate	N1	15:30	6.4	Surface	1	1.0	28.8	8.2	121.1	7.79	6.9	32.42	33.25	1.5	1.7	4.4	3.9	<0.02	<0.02	0.35	0.33	<0.05	<0.05	0.01	0.01	2.3	2.2	NOT DETECTED	ND
8/10/2020	Mid-Ebb	Sunny	Moderate	N1			Surface	2	1.0	28.8	8.2	119.2	7.67	-	32.43	-	1.6	-	3.5	-	<0.02	-	0.30	-	<0.05	-	0.01	-	2.6	-	NOT DETECTED	-
8/10/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	1	3.2	27.5	8.1	91.6	6.01	-	33.36	-	1.5	-	4.1	-	<0.02	-	0.33	-	<0.05	-	0.01	-	1.9	-	NOT DETECTED	-
8/10/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	2	3.2	27.2	8.0	91.5	6.04	-	33.54	-	1.6	-	3.6	-	<0.02	-	0.36	-	<0.05	-	0.01	-	2.3	-	NOT DETECTED	-
8/10/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	1	5.4	26.9	8.0	85.6	5.63	5.5	33.78	-	1.8	-	3.3	-	<0.02	-	0.31	-	<0.05	-	0.01	-	2.1	-	NOT DETECTED	-
8/10/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	2	5.4	26.7	8.0	81.4	5.38	-	33.98	-	1.9	-	4.2	-	<0.02	-	0.32	-	<0.05	-	0.01	-	2.0	-	NOT DETECTED	-
8/10/2020	Mid-Ebb	Sunny	Moderate	FCZ1B	15:50	4.7	Surface	1	1.0	28.9	8.2	126.6	8.15	8.2	32.32	32.85	2.0	2.1	2.6	2.8	<0.02	<0.02	0.30	0.31	<0.05	<0.05	0.01	0.01	3.0	2.5	2*	2
8/10/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Surface	2	1.0	29.1	8.2	127.7	8.21	-	32.15	-	2.0	-	2.6	-	<0.02	-	0.29	-	<0.05	-	0.01	-	2.2	-	1*	-
8/10/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Bottom	1	3.7	27.4	8.0	93.5	6.14	6.1	33.46	-</																

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 12-Aug-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 Soil, 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
8/12/2020	Mid-Flood	Rainy	Moderate	C	11:06	9.3	Surface	1	1.0	30.1	8.3	109.4	6.76	6.32	32.54	32.99	3.5	3.5	4.2	3.7	<0.02	<0.02	0.30	0.31	<0.05	<0.05	0.01	0.01	1.8	1.9	12	12
8/12/2020	Mid-Flood	Rainy	Moderate	C			Surface	2	1.0	30.1	8.3	108.8	6.75	-	32.55	-	3.4	-	3.5	-	<0.02	-	0.28	-	<0.05	-	<0.01	-	2.1	-	19	-
8/12/2020	Mid-Flood	Rainy	Moderate	C			Middle	1	4.7	26.3	8.2	84.0	5.86	-	32.87	-	3.5	-	4.3	-	<0.02	-	0.28	-	<0.05	-	<0.01	-	1.6	-	9	-
8/12/2020	Mid-Flood	Rainy	Moderate	C			Middle	2	4.7	26.4	8.2	84.5	5.89	-	32.87	-	3.4	-	5.2	-	<0.02	-	0.30	-	<0.05	-	<0.01	-	1.8	-	14	-
8/12/2020	Mid-Flood	Rainy	Moderate	C			Bottom	1	8.3	24.5	8.1	77.8	5.43	5.42	33.61	-	3.6	-	2.4	-	<0.02	-	0.34	-	<0.05	-	<0.01	-	2.5	-	8	-
8/12/2020	Mid-Flood	Rainy	Moderate	C			Bottom	2	8.3	24.8	8.1	77.5	5.41	-	33.50	-	3.6	-	2.8	-	<0.02	-	0.36	-	<0.05	-	<0.01	-	1.8	-	11	-
8/12/2020	Mid-Flood	Rainy	Moderate	N2	11:39	5.2	Surface	1	1.0	30.6	8.3	132.5	8.30	8.14	33.02	33.17	2.8	2.8	4.0	3.8	<0.02	<0.02	0.27	0.27	<0.05	<0.05	<0.01	<0.01	1.3	1.7	7*	9
8/12/2020	Mid-Flood	Rainy	Moderate	N2			Surface	2	1.0	30.6	8.2	120.7	7.98	-	33.04	-	2.8	-	3.7	-	<0.02	-	0.26	-	<0.05	-	<0.01	-	1.9	-	11	-
8/12/2020	Mid-Flood	Rainy	Moderate	N2			Bottom	1	4.2	26.9	8.2	118.3	7.85	7.82	33.50	-	2.8	-	3.3	-	<0.02	-	0.27	-	<0.05	-	<0.01	-	1.9	-	7*	-
8/12/2020	Mid-Flood	Rainy	Moderate	N2			Bottom	2	4.2	27.1	8.2	124.2	7.79	-	33.12	-	2.7	-	4.2	-	<0.02	-	0.26	-	<0.05	-	<0.01	-	1.6	-	10	-
8/12/2020	Mid-Flood	Rainy	Moderate	FCZ1B	11:54	4.7	Surface	1	1.0	30.2	8.3	117.6	7.22	7.42	33.14	33.15	2.9	2.9	2.8	3.0	<0.02	<0.02	0.27	0.27	<0.05	<0.05	<0.01	<0.01	1.6	1.8	11	15
8/12/2020	Mid-Flood	Rainy	Moderate	FCZ1B			Surface	2	1.0	30.2	8.3	121.1	7.61	-	33.08	-	2.9	-	3.4	-	<0.02	-	0.27	-	<0.05	-	<0.01	-	1.9	-	9	-
8/12/2020	Mid-Flood	Rainy	Moderate	FCZ1B			Bottom	1	3.7	27.8	8.3	110.2	7.13	7.17	33.21	-	2.9	-	2.8	-	<0.02	-	0.26	-	<0.05	-	<0.01	-	2.0	-	16	-
8/12/2020	Mid-Flood	Rainy	Moderate	FCZ1B			Bottom	2	3.7	27.6	8.3	117.1	7.20	-	33.16	-	2.8	-	2.8	-	<0.02	-	0.27	-	<0.05	-	<0.01	-	1.8	-	22	-
8/12/2020	Mid-Flood	Rainy	Moderate	H4A	12:06	1.8	Middle	1	0.9	30.0	8.1	107.6	6.55	6.61	33.50	33.50	3.4	3.5	3.3	3.1	<0.02	<0.02	0.25	0.26	<0.05	<0.05	<0.01	<0.01	1.8	1.8	20	25
8/12/2020	Mid-Flood	Rainy	Moderate	H4A			Middle	2	0.9	30.0	8.1	109.9	6.67	-	33.50	-	3.5	-	2.9	-	<0.02	-	0.26	-	<0.05	-	<0.01	-	1.8	-	29	-
8/12/2020	Mid-Flood	Rainy	Moderate	H1A	12:16	1.0	Middle	1	0.5	30.0	8.1	106.4	6.47	6.46	33.10	32.92	3.6	3.6	2.1	2.6	<0.02	<0.02	0.26	0.27	<0.05	<0.05	<0.01	<0.01	1.9	2.0	18	15
8/12/2020	Mid-Flood	Rainy	Moderate	H1A			Middle	2	0.5	29.8	8.1	106.0	6.45	-	32.74	-	3.5	-	3.1	-	<0.02	-	0.28	-	<0.05	-	<0.01	-	2.1	-	12	-
8/12/2020	Mid-Flood	Rainy	Moderate	M1A	12:28	0.6	Middle	1	0.3	30.4	8.1	104.9	6.39	6.46	33.05	33.05	3.5	3.5	3.7	3.3	<0.02	<0.02	0.27	0.27	<0.05	<0.05	<0.01	<0.01	1.2	1.5	35	31
8/12/2020	Mid-Flood	Rainy	Moderate	M1A			Middle	2	0.3	30.6	8.1	107.2	6.52	-	33.05	-	3.5	-	2.8	-	<0.02	-	0.27	-	<0.05	-	<0.01	-	1.7	-	26	-
8/12/2020	Mid-Flood	Rainy	Moderate	SGA	12:39	1.0	Middle	1	0.5	30.3	8.1	103.7	6.35	6.37	33.12	32.88	3.1	3.1	3.1	3.1	<0.02	<0.02	0.25	0.26	<0.05	<0.05	<0.01	<0.01	1.8	1.9	18	22
8/12/2020	Mid-Flood	Rainy	Moderate	SGA			Middle	2	0.5	30.3	8.1	104.7	6.39	-	32.63	-	3.1	-	3.1	-	<0.02	-	0.26	-	<0.05	-	<0.01	-	1.9	-	25	-

DA - Depth-averaged

DO - Dissolved Oxygen

* denoted the estimated count

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 14-Aug-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 Soil, 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
8/14/2020	Mid-Ebb	Sunny	Clam	C	8:22	9.4	Surface	1	1.0	28.7	8.0	96.3	6.23	5.9	32.22	33.06	3.2	3.3	4.3	4.3	<0.02	<0.02	0.35	0.34	<0.05	<0.05	<0.01	<0.01	1.7	1.7	NOT DETECTED	<1
8/14/2020	Mid-Ebb	Sunny	Clam	C			Surface	2	1.0	28.8	8.0	96.8	6.27	-	31.53	-	3.1	-	4.4	-	<0.02	-	0.34	-	<0.05	-	<0.01	-	1.7	-	NOT DETECTED	-
8/14/2020	Mid-Ebb	Sunny	Clam	C			Middle	1	4.7	27.3	7.9	84.5	5.55	-	33.61	-	3.3	-	3.8	-	<0.02	-	0.33	-	<0.05	-	<0.01	-	1.8	-	1*	-
8/14/2020	Mid-Ebb	Sunny	Clam	C			Middle	2	4.7	27.4	8.0	86.2	5.67	-	33.58	-	3.5	-	3.8	-	<0.02	-	0.35	-	<0.05	-	<0.01	-	1.7	-	NOT DETECTED	-
8/14/2020	Mid-Ebb	Sunny	Clam	C			Bottom	1	8.4	27.2	8.0	82.9	5.41	5.2	33.64	-	3.5	-	4.8	-	<0.02	-	0.34	-	<0.05	-	<0.01	-	1.6	-	NOT DETECTED	-
8/14/2020	Mid-Ebb	Sunny	Clam	C			Bottom	2	8.4	27.1	7.9	76.2	5.02	-	33.75	-	3.3	-	4.9	-	<0.02	-	0.35	-	<0.05	-	<0.01	-	1.7	-	2*	-
8/14/2020	Mid-Ebb	Sunny	Clam	N1	8:43	6.4	Surface	1	1.0	28.5	8.1	90.9	5.92	5.7	31.62	32.94	3.1	2.7	4.5	4.0	<0.02	<0.02	0.35	0.33	<0.05	<0.05	<0.01	<0.01	1.8	1.8	1*	<1
8/14/2020	Mid-Ebb	Sunny	Clam	N1			Surface	2	1.0	28.5	8.0	89.9	5.84	-	32.27	-	2.5	-	5.0	-	<0.02	-	0.33	-	<0.05	-	<0.01	-	1.9	-	2*	-
8/14/2020	Mid-Ebb	Sunny	Clam	N1			Middle	1	3.2	27.8	8.0	83.6	5.44	-	33.16	-	2.6	-	3.7	-	<0.02	-	0.33	-	<0.05	-	<0.01	-	1.8	-	NOT DETECTED	-
8/14/2020	Mid-Ebb	Sunny	Clam	N1			Middle	2	3.2	27.8	8.0	84.1	5.46	-	33.21	-	3.1	-	4.1	-	<0.02	-	0.31	-	<0.05	-	<0.01	-	1.7	-	NOT DETECTED	-
8/14/2020	Mid-Ebb	Sunny	Clam	N1			Bottom	1	5.4	27.2	8.0	79.8	5.25	5.2	33.68	-	2.6	-	3.5	-	<0.02	-	0.30	-	<0.05	-	<0.01	-	1.7	-	1*	-
8/14/2020	Mid-Ebb	Sunny	Clam	N1			Bottom	2	5.4	27.2	8.0	77.3	5.08	-	33.67	-	2.5	-	3.1	-	<0.02	-	0.33	-	<0.05	-	<0.01	-	1.8	-	NOT DETECTED	-
8/14/2020	Mid-Ebb	Sunny	Clam	FCZ1B	9:03	4.8	Surface	1	1.0	28.7	8.0	81.3	5.25	5.5	32.56	32.90	2.7	2.9	4.2	4.5	<0.02	<0.02	0.41	0.38	<0.05	<0.05	0.01	0.01	1.6	1.6	NOT DETECTED	5
8/14/2020	Mid-Ebb	Sunny	Clam	FCZ1B			Surface	2	1.0	28.7	8.0	88.1	5.69	-	32.53	-	2.5	-	4.7	-	<0.02	-	0.37	-	<0.05	-	0.01	-	1.6	-	NOT DETECTED	-
8/14/2020	Mid-Ebb	Sunny	Clam	FCZ1B			Bottom	1	3.8	27.6	8.0	79.5	5.17	5.2	33.40	-	3.2	-	4.7	-	<0.02	-	0.38	-	<0.05	-	0.01	-	1.6	-	7*	-
8/14/2020	Mid-Ebb	Sunny	Clam	FCZ1B			Bottom	2	3.8	28.0	8.0	78.8	5.13	-	33.12	-	3.3	-	4.3	-	<0.02	-	0.36	-	<0.05	-	0.01</					

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 17-Aug-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
8/17/2020	Mid-Ebb	Sunny	Clam	C	9:16	9.6	Surface	1	1.0	28.2	8.1	93.5	6.11	5.9	31.69	32.95	2.8	2.8	1.8	2.4	<0.02	<0.02	0.32	0.35	<0.05	<0.05	0.01	0.01	1.3	1.4	3*	5
8/17/2020	Mid-Ebb	Sunny	Clam	C			Surface	2	1.0	28.2	8.1	92.8	6.07	-	31.74	-	2.6	-	1.7	-	<0.02	-	0.32	-	<0.05	-	0.01	-	1.3	-	2*	-
8/17/2020	Mid-Ebb	Sunny	Clam	C			Middle	1	4.8	27.5	8.0	85.9	5.66	-	33.40	-	2.8	-	2.1	-	<0.02	-	0.40	-	<0.05	-	0.01	-	1.6	-	3*	-
8/17/2020	Mid-Ebb	Sunny	Clam	C			Middle	2	4.8	27.7	8.0	86.4	5.71	-	33.30	-	2.7	-	2.3	-	<0.02	-	0.40	-	<0.05	-	0.01	-	1.2	-	2*	-
8/17/2020	Mid-Ebb	Sunny	Clam	C			Bottom	1	8.6	27.0	8.0	84.8	5.55	5.6	33.72	-	2.9	-	3.3	-	<0.02	-	0.38	-	<0.05	-	<0.01	-	1.5	-	7*	-
8/17/2020	Mid-Ebb	Sunny	Clam	C			Bottom	2	8.6	26.8	8.0	84.9	5.65	-	33.87	-	2.8	-	3.2	-	<0.02	-	0.30	-	<0.05	-	0.01	-	1.6	-	11	-
8/17/2020	Mid-Ebb	Sunny	Clam	N1	9:39	6.3	Surface	1	1.0	28.2	8.1	96.0	6.27	6.1	31.68	32.64	1.8	1.8	1.7	2.3	<0.02	<0.02	0.30	0.31	<0.05	<0.05	0.01	0.01	1.2	1.2	4*	3
8/17/2020	Mid-Ebb	Sunny	Clam	N1			Surface	2	1.0	28.3	8.1	94.9	6.20	-	31.70	-	1.6	-	1.8	-	<0.02	-	0.32	-	<0.05	-	0.01	-	1.2	-	7*	-
8/17/2020	Mid-Ebb	Sunny	Clam	N1			Middle	1	3.2	27.9	8.1	90.5	5.91	-	32.90	-	1.7	-	2.2	-	<0.02	-	0.28	-	<0.05	-	0.01	-	1.0	-	1*	-
8/17/2020	Mid-Ebb	Sunny	Clam	N1			Middle	2	3.2	27.8	8.0	94.2	5.90	-	33.01	-	1.8	-	2.4	-	<0.02	-	0.33	-	<0.05	-	0.01	-	1.3	-	NOT DETECTED	-
8/17/2020	Mid-Ebb	Sunny	Clam	N1			Bottom	1	5.3	27.8	8.0	89.2	5.83	5.8	33.27	-	1.8	-	2.8	-	<0.02	-	0.30	-	<0.05	-	0.01	-	1.3	-	5*	-
8/17/2020	Mid-Ebb	Sunny	Clam	N1			Bottom	2	5.3	27.8	8.0	89.5	5.84	-	33.27	-	1.8	-	3.1	-	<0.02	-	0.31	-	<0.05	-	0.01	-	1.3	-	2*	-
8/17/2020	Mid-Ebb	Sunny	Clam	FCZ1B	10:00	4.6	Surface	1	1.0	28.7	8.0	96.0	6.24	6.3	31.31	32.21	1.8	1.8	2.3	2.9	<0.02	<0.02	0.38	0.33	<0.05	<0.05	0.02	0.02	<1.0	<1.0	4	5
8/17/2020	Mid-Ebb	Sunny	Clam	FCZ1B			Surface	2	1.0	28.6	8.1	96.1	6.25	-	31.81	-	1.8	-	2.7	-	<0.02	-	0.28	-	<0.05	-	0.02	-	<1.0	-	3	-
8/17/2020	Mid-Ebb	Sunny	Clam	FCZ1B			Bottom	1	3.6	28.2	8.0	94.2	6.12	5.9	32.78	-	1.7	-	3.4	-	<0.02	-	0.30	-	<0.05	-	0.02	-	<1.0	-	6	-
8/17/2020	Mid-Ebb	Sunny	Clam	FCZ1B			Bottom	2	3.6	28.3	8.0	88.3	5.73	-	32.93	-	1.8	-	3.1	-	<0.02	-	0.35	-	<0.05	-	0.02	-	<1.0	-	8	-
8/17/2020	Mid-Ebb	Sunny	Clam	H4A	10:11	1.8	Middle	1	0.9	29.1	8.0	99.5	6.43	6.5	31.23	31.32	2.1	2.1	3.6	3.8	0.03	0.03	0.48	0.48	0.08	0.08	0.02	0.02	1.6	1.6	1*	<1
8/17/2020	Mid-Ebb	Sunny	Clam	H4A			Middle	2	0.9	29.1	8.0	100.5	6.49	-	31.41	-	2.1	-	4.0	-	0.02	-	0.48	-	0.07	-	0.02	-	1.6	-	NOT DETECTED	-
8/17/2020	Mid-Ebb	Sunny	Clam	H1A	10:23	0.8	Middle	1	0.4	29.1	8.0	102.3	6.60	6.6	31.50	31.53	2.1	2.2	4.5	4.6	<0.02	<0.02	0.36	0.36	0.05	0.06	0.02	0.03	1.2	1.3	2*	3
8/17/2020	Mid-Ebb	Sunny	Clam	H1A			Middle	2	0.4	29.1	8.0	103.4	6.67	-	31.55	-	2.2	-	4.7	-	<0.02	-	0.36	-	0.06	-	0.03	-	1.3	-	3*	-
8/17/2020	Mid-Ebb	Sunny	Clam	M1A	10:33	0.8	Middle	1	0.4	29.1	8.1	104.2	6.72	6.7	31.55	31.55	1.9	2.0	3.0	3.2	0.04	0.04	0.35	0.39	0.1	0.10	0.02	0.02	1.8	1.6	NOT DETECTED	ND
8/17/2020	Mid-Ebb	Sunny	Clam	M1A			Middle	2	0.4	29.1	8.1	104.1	6.71	-	31.55	-	2.0	-	3.4	-	0.04	-	0.42	-	0.09	-	0.02	-	1.4	-	NOT DETECTED	ND
8/17/2020	Mid-Ebb	Sunny	Clam	SGA	10:43	0.8	Middle	1	0.4	29.1	8.1	104.6	6.75	6.8	31.47	31.41	1.8	1.8	2.6	2.7	0.03	0.03	0.36	0.37	0.09	0.09	0.02	0.02	1.5	1.6	NOT DETECTED	ND
8/17/2020	Mid-Ebb	Sunny	Clam	SGA			Middle	2	0.4	29.1	8.1	105.1	6.79	-	31.35	-	1.7	-	2.8	-	0.03	-	0.37	-	0.09	-	0.02	-	1.6	-	NOT DETECTED	-

DA - Depth-averaged
ND - Not Detected
* denoted the estimated count

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 21-Aug-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
8/21/2020	Mid-Ebb	Sunny	Moderate	C	13:07	9.1	Surface	1	1.0	27.9	8.0	91.6	6.05	6.0	30.97	32.48	2.1	2.3	4.4	4.0	<0.02	<0.02	0.45	0.48	<0.05	<0.05	0.02	0.03	3.1	3.2	1*	1
8/21/2020	Mid-Ebb	Sunny	Moderate	C			Surface	2	1.0	27.7	8.0	90.9	6.02	-	31.16	-	2.2	-	4.1	-	<0.02	-	0.40	-	<0.05	-	0.03	-	2.9	-	1*	-
8/21/2020	Mid-Ebb	Sunny	Moderate	C			Middle	1	4.6	26.7	7.9	88.1	5.86	-	33.12	-	2.3	-	4.2	-	<0.02	-	0.56	-	<0.05	-	0.03	-	3.8	-	NOT DETECTED	-
8/21/2020	Mid-Ebb	Sunny	Moderate	C			Middle	2	4.6	26.8	7.9	88.6	5.88	-	32.98	-	2.3	-	4.2	-	<0.02	-	0.52	-	<0.05	-	0.02	-	3.1	-	NOT DETECTED	-
8/21/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	1	8.1	26.6	7.9	81.2	5.40	5.5	33.35	-	2.3	-	3.5	-	<0.02	-	0.46	-	<0.05	-	0.02	-	3.4	-	3*	-
8/21/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	2	8.1	26.6	7.9	84.1	5.60	-	33.31	-	2.3	-	3.8	-	<0.02	-	0.46	-	<0.05	-	0.03	-	2.9	-	2*	-
8/21/2020	Mid-Ebb	Sunny	Moderate	N1	13:29	6.3	Surface	1	1.0	27.3	8.0	93.5	6.22	6.1	31.53	32.52	2.6	2.5	3.9	3.6	<0.02	<0.02	0.43	0.44	<0.05	<0.05	0.02	0.02	2.9	3.0	1*	<1
8/21/2020	Mid-Ebb	Sunny	Moderate	N1			Surface	2	1.0	27.7	8.0	92.7	6.13	-	31.55	-	2.6	-	3.9	-	<0.02	-	0.41	-	<0.05	-	0.02	-	3.0	-	NOT DETECTED	-
8/21/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	1	3.2	26.8	8.0	88.6	5.89	-	32.85	-	2.5	-	3.5	-	<0.02	-	0.41	-	<0.05	-	0.02	-	3.1	-	1*	-
8/21/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	2	3.2	26.8	8.0	90.1	5.98	-	32.83	-	2.5	-	3.7	-	<0.02	-	0.50	-	<0.05	-	0.02	-	2.9	-	1*	-
8/21/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	1	5.3	26.6	8.0	86.4	5.75	5.7	33.23	-	2.5	-	3.3	-	<0.02	-	0.42	-	<0.05	-	0.02	-	3.0	-	NOT DETECTED	-
8/21/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	2	5.3	26.8	8.0	85.6	5.69	-	33.10	-	2.5	-	3.5	-	<0.02	-	0.48	-	<0.05	-	0.03	-	2.9	-	NOT DETECTED	-
8/21/2020	Mid-Ebb	Sunny	Moderate	FCZ1B	13:54	4.2	Surface	1	1.0	27.8	7.9	90.2	5.96	6.2	30.94	31.92	2.2	2.2	3.6	4.4	<0.02	<0.02	0.45	0.45	<0.05	<0.05	0.02	0.03	2.8	2.9	NOT DETECTED	1
8/21/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Surface	2	1.0	27.8	7.9	98.1	6.48	-	31.24	-	2.2	-	4.0	-	<0.02	-	0.49	-	<0.05	-	0.02	-	3.0	-	NOT DETECTED	-
8/21/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Bottom	1	3.2	27.2	7.9	84.7	5.60	5.6	32.71	-	2.1	-	4.9	-	<0.02	-	0.44	-	<0.05	-	0.03	-	3.1	-	2*	-
8/21/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Bottom	2	3.2	27.1	7.9	83.5	5.53	-	32.79	-	2.1	-	5.2	-	<0.02	-	0.43	-	<0.05	-	0.03	-	2.8	-	1*	-
8/21/2020	Mid-Ebb	Sunny	Moderate	H4A	14:04	1.6	Middle	1	0.8	27.9	7.9	92.3	6.09	6.1	31.05	31.07	2.4	2.4	4.5	4.4	<0.02	<0.02	0.56	0.55	<0.05	<0.05	0.03	0.03	3.0	2.9	NOT DETECTED	ND
8/21/2020	Mid-Ebb	Sunny	Moderate	H4A			Middle	2	0.8	27.9	7.9	91.9	6.07	-	31.09	-	2.4	-	4.3	-	<0.02	-	0.53	-	<0.05	-	0.03	-	2.8	-	NOT DETECTED	-
8/21/2020	Mid-Ebb	Sunny	Moderate	H1A	14:16	1.0	Middle	1	0.5	28.0	7.9	97.4	6.44	6.5	30.90	30.90	2.5	2.5	4.8	4.7	<0.02	<0.02	0.49	0.50	<0.05	<0.05	0.03	0.03	2.7	2.9	1*	<1
8/21/2020	Mid-Ebb	Sunny	Moderate	H1A			Middle	2	0.5	28.0	7.9	99.7	6.58	-	30.89	-	2.4	-	4.6	-	<0.02	-	0.50	-	<0.05	-	0.03	-	3.0	-	NOT DETECTED	-
8/21/2020	Mid-Ebb	Sunny	Moderate	M1A	14:27	0.6	Middle	1	0.3	28.0	7																					

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 24-Aug-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
8/24/2020	Mid-Ebb	Sunny	Moderate	C	15:12	9.2	Surface	1	1.0	28.9	8.1	97.8	6.37	6.1	32.04	32.88	2.1	2.2	3.2	3.4	<0.02	<0.02	0.36	0.35	0.05	0.05	0.01	0.01	1.8	1.8	NOT DETECTED	ND						
8/24/2020	Mid-Ebb	Sunny	Moderate	C			Surface	2	1.0	28.9	8.1	98.3	6.41	-	31.35	-	2.1	-	3.3	-	<0.02	-	0.33	-	<0.05	-	0.01	-	1.8	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	C			Middle	1	4.6	27.5	8.0	86.0	5.69	-	33.43	-	2.2	-	3.2	-	<0.02	-	0.33	-	<0.05	-	0.01	-	1.7	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	C			Middle	2	4.6	27.5	8.0	87.7	5.81	-	33.40	-	2.2	-	3.4	-	<0.02	-	0.38	-	<0.05	-	0.01	-	1.8	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	1	8.2	27.3	8.0	82.5	5.45	5.5	33.57	-	2.2	-	3.5	-	<0.02	-	0.33	-	<0.05	-	0.01	-	1.8	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	2	8.2	27.4	8.0	84.4	5.55	-	33.46	-	2.3	-	3.9	-	<0.02	-	0.35	-	<0.05	-	0.01	-	1.6	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	N1	15:34	6.3	Surface	1	1.0	28.6	8.1	92.4	6.06	5.8	32.35	32.90	2.1	2.2	4.6	3.9	0.03	0.02	0.34	0.35	0.05	0.05	0.01	0.01	1.8	1.8	NOT DETECTED	ND						
8/24/2020	Mid-Ebb	Sunny	Moderate	N1			Surface	2	1.0	28.6	8.1	91.4	5.98	-	32.98	-	2.3	-	4.7	-	0.02	-	0.36	-	0.06	-	0.01	-	1.8	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	1	3.2	27.9	8.0	85.6	5.60	-	32.94	-	2.2	-	3.9	-	<0.02	-	0.34	-	<0.05	-	0.01	-	1.7	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	2	3.2	27.9	8.1	85.1	5.58	-	32.22	-	2.3	-	4.1	-	<0.02	-	0.38	-	<0.05	-	<0.01	-	2.2	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	1	5.3	27.3	8.0	81.3	5.39	5.4	33.50	-	2.3	-	3.2	-	<0.02	-	0.33	-	<0.05	-	0.01	-	1.6	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	2	5.3	27.3	8.0	81.8	5.42	-	32.38	-	2.2	-	3.0	-	<0.02	-	0.36	-	<0.05	-	0.01	-	1.8	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	FCZ1B	15:57	4.6	Surface	1	1.0	28.9	8.0	94.5	6.13	6.1	33.49	32.51	2.4	2.5	2.8	4.9	<0.02	<0.02	0.33	0.34	<0.05	<0.05	0.01	0.01	1.9	1.8	NOT DETECTED	ND						
8/24/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Surface	2	1.0	28.9	8.0	94.9	6.15	-	33.03	-	2.4	-	3.1	-	<0.02	-	0.33	-	<0.05	-	0.01	-	1.7	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Bottom	1	3.6	27.8	8.0	91.9	6.05	6.1	32.09	-	2.5	-	6.9	-	<0.02	-	0.35	-	<0.05	-	0.01	-	1.6	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Bottom	2	3.6	28.2	8.0	92.6	6.08	-	31.44	-	2.5	-	6.6	-	<0.02	-	0.36	-	<0.05	-	0.01	-	1.8	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	H4A	16:07	1.6	Middle	1	0.8	29.1	8.1	97.0	6.41	6.4	31.89	31.56	2.3	2.3	3.1	3.0	<0.02	<0.02	0.32	0.33	<0.05	<0.05	0.01	0.01	1.8	1.7	NOT DETECTED	ND						
8/24/2020	Mid-Ebb	Sunny	Moderate	H4A			Middle	2	0.8	28.9	8.0	96.3	6.33	-	31.23	-	2.3	-	2.8	-	<0.02	-	0.33	-	<0.05	-	0.01	-	1.6	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	H1A	16:18	0.6	Middle	1	0.3	28.9	8.1	105.2	7.00	7.0	32.19	32.07	2.2	2.2	4.7	4.6	<0.02	<0.02	0.31	0.32	<0.05	<0.05	<0.01	0.01	1.7	1.6	NOT DETECTED	ND						
8/24/2020	Mid-Ebb	Sunny	Moderate	H1A			Middle	2	0.3	28.9	8.1	105.9	7.03	-	31.95	-	2.2	-	4.5	-	<0.02	-	0.33	-	<0.05	-	0.01	-	1.5	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	M1A	16:28	0.6	Middle	1	0.3	29.0	8.1	108.9	7.18	7.1	32.11	32.17	2.2	2.2	3.0	3.2	<0.02	<0.02	0.33	0.34	<0.05	<0.05	<0.01	0.01	1.8	2.0	NOT DETECTED	ND						
8/24/2020	Mid-Ebb	Sunny	Moderate	M1A			Middle	2	0.3	29.0	8.1	107.3	7.09	-	32.23	-	2.2	-	3.3	-	<0.02	-	0.34	-	<0.05	-	0.01	-	2.1	-	NOT DETECTED	-						
8/24/2020	Mid-Ebb	Sunny	Moderate	SGA	16:40	0.6	Middle	1	0.3	29.0	8.1	106.6	7.06	7.1	31.91	31.81	2.1	2.1	4.8	3.9	<0.02	<0.02	0.35	0.36	<0.05	<0.05	0.01	0.01	1.7	1.8	NOT DETECTED	ND						
8/24/2020	Mid-Ebb	Sunny	Moderate	SGA			Middle	2	0.3	29.0	8.1	108.7	7.15	-	31.71	-	2.1	-	3.0	-	<0.02	-	0.37	-	<0.05	-	0.01	-	1.8	-	NOT DETECTED	-						

DA - Depth-averaged
ND - Not Detected

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 26-Aug-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
8/26/2020	Mid-Flood	Sunny	Moderate	C	11:42	9.4	Surface	1	1.0	27.4	8.0	94.6	6.21	5.90	33.50	33.92	3.4	3.6	4.4	3.4	<0.02	<0.02	0.30	0.32	<0.05	<0.05	0.01	0.01	1.3	1.6	NOT DETECTED	ND								
8/26/2020	Mid-Flood	Sunny	Moderate	C			Surface	2	1.0	27.4	8.0	91.8	6.03	-	33.50	-	3.3	-	4.3	-	<0.02	-	0.30	-	<0.05	-	0.01	-	1.2	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	C			Middle	1	4.7	26.0	7.9	86.4	5.79	-	34.04	-	3.6	-	3.8	-	<0.02	-	0.20	-	<0.05	-	0.01	-	1.3	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	C			Middle	2	4.7	25.8	7.9	82.5	5.55	-	34.16	-	3.6	-	3.5	-	<0.02	-	0.59	-	<0.05	-	0.01	-	2.9	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	C			Bottom	1	8.4	25.9	8.0	80.4	5.34	5.30	34.17	-	3.9	-	2.1	-	<0.02	-	0.26	-	<0.05	-	0.01	-	1.5	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	C			Bottom	2	8.4	25.9	8.0	78.5	5.26	-	34.12	-	3.8	-	2.4	-	<0.02	-	0.25	-	<0.05	-	0.01	-	1.2	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	N2	12:05	5.3	Surface	1	1.0	27.5	8.0	92.6	6.07	6.05	33.43	33.69	3.7	3.7	4.6	4.1	<0.02	<0.02	0.29	0.30	<0.05	<0.05	<0.01	0.01	1.6	1.7	NOT DETECTED	ND								
8/26/2020	Mid-Flood	Sunny	Moderate	N2			Surface	2	1.0	27.6	8.0	92.0	6.02	-	33.38	-	3.7	-	4.1	-	<0.02	-	0.30	-	<0.05	-	0.01	-	1.6	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	N2			Bottom	1	4.3	26.3	7.9	91.5	6.00	6.02	33.90	-	3.7	-	3.8	-	<0.02	-	0.34	-	<0.05	-	0.01	-	1.8	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	N2			Bottom	2	4.3	26.1	7.9	92.4	6.03	-	34.06	-	3.6	-	3.9	-	<0.02	-	0.28	-	<0.05	-	<0.01	-	1.7	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	FCZ1B	12:27	4.6	Surface	1	1.0	27.9	7.9	88.9	5.98	5.95	33.15	33.62	3.5	3.7	3.0	3.5	<0.02	<0.02	0.34	0.32	<0.05	<0.05	0.01	0.01	1.6	1.7	NOT DETECTED	ND								
8/26/2020	Mid-Flood	Sunny	Moderate	FCZ1B			Surface	2	1.0	27.5	7.9	88.1	5.91	-	33.36	-	3.4	-	2.7	-	<0.02	-	0.32	-	<0.05	-	0.02	-	1.6	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	FCZ1B			Bottom	1	3.6	26.2	7.9	82.0	5.45	5.48	33.99	-	3.9	-	4.2	-	<0.02	-	0.32	-	<0.05	-	0.01	-	2.0	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	FCZ1B			Bottom	2	3.6	26.2	7.9	82.6	5.51	-	33.97	-	4.0	-	3.9	-	<0.02	-	0.30	-	<0.05	-	0.01	-	1.7	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	H4A	12:37	1.8	Middle	1	0.9	28.1	7.9	92.5	6.05	6.07	33.25	33.35	4.3	4.3	6.3	<u>6.6</u>	<0.02	<0.02	0.37	0.38	<0.05	<0.05	0.02	<u>0.03</u>	1.2	1.4	NOT DETECTED	ND								
8/26/2020	Mid-Flood	Sunny	Moderate	H4A			Middle	2	0.9	27.6	7.9	92.9	6.08	-	33.45	-	4.2	-	6.9	-	<0.02	-	0.39	-	<0.05	-	0.03	-	1.6	-	NOT DETECTED	-								
8/26/2020	Mid-Flood	Sunny	Moderate	H1A	12:48	1.0	Middle	1	0.5	28.5	7.9	92.9	6.07	6.08	33.20	33.27	3.8	3.8	6.3	<u>6.2</u>	<0.02	<0.02	0.29	0.31	<0.05	<0.05	0.03	<u>0.03</u>	1.8	1.5	NOT DETECTED	ND								
8/26/2020	Mid-Flood	Sunny	Moderate	H1A			Middle	2	0.5	28.1	7.9	93.1	6.09	-	33.34	-	3.7	-	6.0	-	<0.02	-	0.32	-	<0.05															

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 28-Aug-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
													8/28/2020	Mid-Flood	Sunny	Moderate	C	16:00	9.3	Surface	1	1.0	27.7	8.0	94.7	6.23	6.01	32.99	33.41	4.3	4.3	5.5	5.7	<0.02	<0.02	0.36	0.36	<0.05	<0.05	0.03
8/28/2020	Mid-Flood	Sunny	Moderate	C			Surface	2	1.0	27.7	8.0	94.0	6.19	-	32.99	-	4.2	-	6.0	-	<0.02	-	0.32	-	<0.05	-	0.03	-	2.2	-	NOT DETECTED	-								
8/28/2020	Mid-Flood	Sunny	Moderate	C			Middle	1	4.7	26.3	7.9	87.6	5.83	-	33.65	-	4.2	-	5.3	-	<0.02	-	0.35	-	<0.05	-	0.03	-	1.8	-	NOT DETECTED	-								
8/28/2020	Mid-Flood	Sunny	Moderate	C			Middle	2	4.7	26.1	7.9	87.1	5.78	-	33.53	-	4.3	-	5.3	-	<0.02	-	0.38	-	<0.05	-	0.02	-	1.9	-	NOT DETECTED	-								
8/28/2020	Mid-Flood	Sunny	Moderate	C			Bottom	1	8.3	26.2	7.9	86.0	5.67	5.72	33.66	-	4.3	-	6.1	-	<0.02	-	0.39	-	<0.05	-	0.02	-	2.2	-	NOT DETECTED	-								
8/28/2020	Mid-Flood	Sunny	Moderate	C			Bottom	2	8.3	26.2	7.9	86.1	5.77	-	33.61	-	4.3	-	6.0	-	<0.02	-	0.37	-	<0.05	-	0.03	-	2.2	-	NOT DETECTED	-								
8/28/2020	Mid-Flood	Sunny	Moderate	N2	16:25	5.0	Surface	1	1.0	28.3	8.0	91.6	6.02	6.02	32.60	33.07	3.9	3.9	4.3	5.0	<0.02	<0.02	0.31	0.31	<0.05	<0.05	0.02	0.02	2.1	2.0	NOT DETECTED	<1								
8/28/2020	Mid-Flood	Sunny	Moderate	N2			Surface	2	1.0	27.9	8.0	91.5	6.01	-	32.81	-	3.9	-	4.7	-	<0.02	-	0.31	-	<0.05	-	0.02	-	2.2	-	NOT DETECTED	-								
8/28/2020	Mid-Flood	Sunny	Moderate	N2			Bottom	1	4.0	26.6	8.0	90.3	5.94	5.95	33.42	-	3.9	-	5.7	-	<0.02	-	0.29	-	<0.05	-	0.01	-	2	-	1*	-								
8/28/2020	Mid-Flood	Sunny	Moderate	N2			Bottom	2	4.0	26.7	8.0	90.6	5.95	-	33.44	-	4.0	-	5.2	-	<0.02	-	0.34	-	<0.05	-	0.02	-	1.7	-	NOT DETECTED	-								
8/28/2020	Mid-Flood	Sunny	Moderate	FCZ1B	16:45	4.7	Surface	1	1.0	27.9	7.9	97.5	6.39	6.38	32.88	33.14	4.1	4.2	5.6	5.7	0.02	0.02	0.36	0.39	0.11	0.07	0.03	0.03	1.6	1.6	NOT DETECTED	<1								
8/28/2020	Mid-Flood	Sunny	Moderate	FCZ1B			Surface	2	1.0	28.0	7.9	97.2	6.36	-	32.83	-	4.1	-	6.0	-	<0.02	-	0.38	-	0.05	-	0.03	-	1.6	-	NOT DETECTED	-								
8/28/2020	Mid-Flood	Sunny	Moderate	FCZ1B			Bottom	1	3.7	26.4	7.9	95.7	6.27	6.26	33.51	-	4.2	-	5.2	-	<0.02	-	0.40	-	0.06	-	0.03	-	1.6	-	1*	-								
8/28/2020	Mid-Flood	Sunny	Moderate	FCZ1B			Bottom	2	3.7	26.6	7.9	95.3	6.25	-	33.35	-	4.2	-	5.9	-	<0.02	-	0.43	-	0.05	-	0.03	-	1.7	-	NOT DETECTED	-								
8/28/2020	Mid-Flood	Sunny	Moderate	H4A	16:58	2.0	Middle	1	1.0	28.9	7.9	104.9	6.82	6.79	32.59	32.59	4.3	4.3	6.8	6.6	0.02	0.02	0.36	0.38	0.11	0.08	0.03	0.03	1.5	1.5	1*	<1								
8/28/2020	Mid-Flood	Sunny	Moderate	H4A			Middle	2	1.0	28.5	7.9	103.8	6.75	-	32.59	-	4.3	-	6.3	-	<0.02	-	0.39	-	0.05	-	0.03	-	1.5	-	NOT DETECTED	-								
8/28/2020	Mid-Flood	Sunny	Moderate	H1A	17:08	1.0	Middle	1	0.5	28.6	7.9	101.0	6.58	6.61	32.75	32.68	3.6	3.6	5.9	6.2	<0.02	0.02	0.39	0.40	0.06	0.08	0.03	0.03	1.5	1.8	2*	1								
8/28/2020	Mid-Flood	Sunny	Moderate	H1A			Middle	2	0.5	28.0	7.9	102.0	6.64	-	32.61	-	3.6	-	6.5	-	0.02	-	0.40	-	0.09	-	0.03	-	2	-	NOT DETECTED	-								
8/28/2020	Mid-Flood	Sunny	Moderate	M1A	17:19	0.6	Middle	1	0.3	29.0	7.9	106.6	6.94	6.92	32.57	32.52	3.9	3.9	6.8	6.6	<0.02	<0.02	0.40	0.42	0.09	0.08	0.03	0.03	1.1	1.3	2*	3								
8/28/2020	Mid-Flood	Sunny	Moderate	M1A			Middle	2	0.3	28.8	7.9	106.1	6.90	-	32.47	-	3.9	-	6.3	-	<0.02	-	0.43	-	0.07	-	0.03	-	1.4	-	3*	-								
8/28/2020	Mid-Flood	Sunny	Moderate	SGA	17:28	0.8	Middle	1	0.4	29.0	7.9	105.7	6.87	6.87	32.86	32.76	4.1	4.1	5.8	5.4	<0.02	0.02	0.39	0.39	0.06	0.08	0.03	0.03	1.6	1.6	NOT DETECTED	ND								
8/28/2020	Mid-Flood	Sunny	Moderate	SGA			Middle	2	0.4	29.0	7.9	105.6	6.86	-	32.66	-	4.1	-	5.0	-	0.02	-	0.39	-	0.09	-	0.03	-	1.6	-	NOT DETECTED	-								

DA - Depth-averaged
DO - Dissolved Oxygen
* denoted the estimated count
Action Level - Value presented in bold
Limit Level - Value presented in bold and underlined

1-year Operation of TSTP - Marine Water Quality Monitoring Results on 31-Aug-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
													8/31/2020	Mid-Ebb	Sunny	Moderate	C	10:04	9.4	Surface	1	1.0	28.3	8.0	103.9	6.72	6.3	33.61	34.44	2.2	2.3	4.3	3.7	<0.02	<0.02	0.27	0.27	<0.05	<0.05	<0.01
8/31/2020	Mid-Ebb	Sunny	Moderate	C			Surface	2	1.0	28.1	8.0	108.5	7.03	-	33.63	-	2.1	-	4.5	-	<0.02	-	0.26	-	<0.05	-	<0.01	-	1.3	-	NOT DETECTED	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	C			Middle	1	4.7	25.8	7.9	87.5	5.87	-	34.82	-	2.4	-	3.7	-	<0.02	-	0.27	-	<0.05	-	0.01	-	1.4	-	1*	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	C			Middle	2	4.7	26.0	7.9	83.4	5.60	-	34.76	-	2.4	-	3.6	-	<0.02	-	0.31	-	<0.05	-	0.02	-	1.2	-	2*	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	1	8.4	25.5	7.9	79.7	5.32	5.3	34.94	-	2.4	-	2.7	-	<0.02	-	0.25	-	<0.05	-	0.01	-	1.2	-	NOT DETECTED	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	C			Bottom	2	8.4	25.7	7.9	80.1	5.35	-	34.85	-	2.5	-	3.1	-	<0.02	-	0.24	-	<0.05	-	0.01	-	1.2	-	NOT DETECTED	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	N1	10:25	6.3	Surface	1	1.0	28.4	8.0	101.6	6.56	6.5	33.55	34.41	2.4	2.5	4.5	4.9	<0.02	<0.02	0.29	0.27	<0.05	<0.05	0.01	0.01	1.3	1.3	1*	<1								
8/31/2020	Mid-Ebb	Sunny	Moderate	N1			Surface	2	1.0	28.3	8.0	103.1	6.66	-	33.57	-	2.4	-	4.7	-	<0.02	-	0.24	-	<0.05	-	0.01	-	<1.0	-	1*	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	1	3.2	26.3	7.9	92.3	6.11	-	34.75	-	2.5	-	5.3	-	<0.02	-	0.25	-	<0.05	-	<0.01	-	1.4	-	1*	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	N1			Middle	2	3.2	26.5	7.9	98.3	6.58	-	34.69	-	2.5	-	5.5	-	<0.02	-	0.26	-	<0.05	-	<0.01	-	1.3	-	NOT DETECTED	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	1	5.3	25.7	7.9	89.8	6.01	6.0	34.98	-	2.4	-	4.6	-	<0.02	-	0.28	-	<0.05	-	0.01	-	1.4	-	NOT DETECTED	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	N1			Bottom	2	5.3	25.6	7.9	88.3	5.92	-	34.90	-	2.5	-	4.8	-	<0.02	-	0.31	-	<0.05	-	0.01	-	1.4	-	NOT DETECTED	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	FCZ1B	10:48	4.6	Surface	1	1.0	28.4	8.0	108.5	7.12	7.1	33.61	34.04	1.7	1.8	4.0	3.5	<0.02	<0.02	0.25	0.29	<0.05	<0.05	0.01	0.01	1.3	1.4	NOT DETECTED	ND								
8/31/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Surface	2	1.0	28.4	8.0	110.8	7.15	-	33.66	-	1.8	-	4.0	-	<0.02	-	0.25	-	<0.05	-	<0.01	-	<1.0	-	NOT DETECTED	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Bottom	1	3.6	26.7	8.0	107.3	7.09	7.1	34.44	-	1.8	-	2.8	-	<0.02	-	0.24	-	<0.05	-	0.01	-	1.3	-	NOT DETECTED	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	FCZ1B			Bottom	2	3.6	26.7	8.0	109.1	7.11	-	34.45	-	1.8	-	3.1	-	<0.02	-	0.40	-	<0.05	-	0.01	-	1.8	-	NOT DETECTED	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	H4A	10:59	1.6	Middle	1	0.8	29.3	7.9	100.1	6.37	6.3	33.39	33.40	2.5	2.5	6.4	6.6	<0.02	<0.02	0.30	0.30	<0.05	<0.05	0.02	0.02	1.4	1.4	NOT DETECTED	ND								
8/31/2020	Mid-Ebb	Sunny	Moderate	H4A			Middle	2	0.8	29.3	7.9	97.6	6.21	-	33.41	-	2.5	-	6.8	-	<0.02	-	0.29	-	<0.05	-	0.02	-	1.4	-	NOT DETECTED	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	H1A	11:09	1.0	Middle	1	0.5	29.3	7.9	104.4	6.65	6.6	33.19	33.22	2.5	2.6	3.7	3.7	<0.02	<0.02	0.36	0.36	<0.05	<0.05	0.02	0.02	2.2	1.9	NOT DETECTED	ND								
8/31/2020	Mid-Ebb	Sunny	Moderate	H1A			Middle	2	0.5	29.3	7.9	102.6	6.53	-	33.24	-	2.7	-	3.6	-	<0.02	-	0.36	-	<0.05	-	0.02	-	1.6	-	NOT DETECTED	-								
8/31/2020	Mid-Ebb	Sunny	Moderate	M1A	11:19	0.6	Middle	1	0.3	29.3	7.9	106.9	6.81	6.8	33.15	33.15	2.6	2.6	4.2	4.1	<0.02																			