2018 TRWA Sampling Results for Dissolved Oxygen (mg/l)				TARGET FOR CONCERN - LESS THAN 5.0 MG/L (or high values during blooms)							
Sample	**Site No.**	**River & Location Description**	**March**	**April**	**May**	**June**	**July**	**August**	**Sept.**	**Oct.**	**Nov.**
1	TNT-01	Taunton R. Br, Center St., Berkley	snow	13.6	9.0	8.8	8.1	7.9	7.2	8.6	10.0
2	TNT-02	Taunton R. Br, Plain St., Taunton	cancelled	13.3	9.1	8.6	7.7	8.0	7.8	8.3	9.7
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	cancelled	13.3	9.1	8.6	**4.8**	6.5	7.0	8	9.6
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater	cancelled	13.7	8.7	9.4	7.9	7.0	8.0	8.4	10.1
5	ASO-01	Assonet R. Bridge, Rt 79	cancelled	13.5	10.0	9.4	8.3	no sample	8.7	9.3	10.2
6	SEG	Segregansett R. Br, Brook St. Dighton	cancelled	13.6	9.7	9.8	6.2	**4.2**	6.5	9.3	10.9
7	BER-01	Chuckamucksett Brk. Br, Berkley St.	cancelled	13.7	9.2	10.6	8.5	no sample	no sample	8.7	10.2
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	cancelled	14.2	10.0	9.1	7.9	6.3	7.8	9.3	9.9
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	cancelled	14	8.7	9.4	7.9	6.9	8.1	8.6	10.8
10	TMR-03	Three Mile R. Br, Crane St., Norton	cancelled	13.6	8.4	9.6	7.4	7.3	8.5	8.2	10.3
11	MIL-01	Mill R., Ingell St., Taunton	cancelled	14	7.4	9.2	7.6	7.1	8.1	9.3	10.4
12	MIL-02	Mill R., Washington St., Taunton	cancelled	14	7.4	9.8	8.3	7.6	8.5	9.1	10.4
13	MIL-03	Mill R., Whittendon St., Taunton	cancelled	14.1	7.4	9.7	8.1	7.5	8.3	8.7	10.2
14	FORGE	Forge R. Br, Rt 44, Raynham	cancelled	14.3	8.3	10.5	8.3	7.6	8.5	8.8	10.6
15	COT-01	Cotley R., Middleboro Ave, Taunton	cancelled	14.4	8.4	11.3	8.8	8.2	8.4	8.8	10.6
16	FBR-01	Furnace Brk., River St., E. Taunton	cancelled	**Note 1**	8.6	9.6	7.8	6.8	7.9	8.3	10.3
17	TBR-01	Tomson Brk., Highstone St., E. Taunton	cancelled	12.4	7.3	**3.5**	**1.8**	**0.6**	**3.7**	9.3	7.3
18	TWH-01	Town R., Br, Hayward St., Bridgewater	cancelled	13.2	9.6	9.0	6.2	5.4	6.8	8.5	9.9
19	MAT-01	Matfield R., Br, High St., Bridgewater	cancelled	13.1	9.4	9.1	7.2	7.3	8.5	8.5	10.2
20	NEM-01	Nemasket R., Murdock St., Middleboro	cancelled	12.1	6.8	6.2	**4.3**	**4.2**	7.1	no sample	10.1
				Note 1: Value not reported							
21	**Duplicate Samples**										
March	snow		cancelled								
April	BER-01	Chuckamucksett Brk. Br, Berkley St.		13.8							
May	FORGE	Forge R. Br, Rt 44, Raynham			7.7						
June	TNT-02	Taunton R. Br, Plain St., Taunton				8.5					
July	TNT-01	Taunton R. Br, Center St., Berkley					8.1				
August	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater						7.0			
Sept.	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater							7.0		
Oct.	MAT-01	Matfield R., Br, High St., Bridgewater								**Note 1**	
Nov.	TWH-01	Town R., Br, Hayward St., Bridgewater									9.9

2018 TRWA Sampling Results for Total Suspended Solids (mg/l)				TARGET FOR CONCERN - Unusually High or Non-typical Values							
Sample	**Site No.**	**River & Location Description**	**March**	**April**	**May**	**June**	**July**	**August**	**Sept.**	**Oct.**	**Nov.**
1	TNT-01	Taunton R. Br, Center St., Berkley	snow	1.5	3.5	**17**	**16.75**	**11.25**	6	5.25	7
2	TNT-02	Taunton R. Br, Plain St., Taunton	cancelled	2.25	3.5	7.25	**14.25**	5.25	4.75	**Note 1**	7.5
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	cancelled	1.75	5	4.75	3.5	1.75	3.5	6.25	2.75
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater	cancelled	5.75	10	5.5	6.75	4.25	4.25	6.75	2.25
5	ASO-01	Assonet R. Bridge, Rt 79	cancelled	2	2	4	4	no sample	3.25	6.3	5.2
6	SEG	Segregansett R. Br, Brook St. Dighton	cancelled	2.75	3.5	5.5	10.5	5.75	6.25	5.5	2
7	BER-01	Chuckamucksett Brk. Br, Berkley St.	cancelled	3.25	**25.5**	5.25	6.25	no sample	no sample	**22.3**	8.75
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	cancelled	**Note 1**	2.25	4.5	6.75	2.75	2.25	3	3.5
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	cancelled	1.5	3.25	2.75	1.5	0.5	2	2.75	1.5
10	TMR-03	Three Mile R. Br, Crane St., Norton	cancelled	3	4.44	2	2.75	3.25	3	**Note 1**	0.75
11	MIL-01	Mill R., Ingell St., Taunton	cancelled	3.5	6	**28.3**	5	3	3.75	4.25	9.25
12	MIL-02	Mill R., Washington St., Taunton	cancelled	2.75	6	**15.25**	3	1.5	2.5	5.75	8.5
13	MIL-03	Mill R., Whittendon St., Taunton	cancelled	2.25	4	1.75	2	3.5	2	2.75	6.75
14	FORGE	Forge R. Br, Rt 44, Raynham	cancelled	3.5	7.5	4.5	5.75	3.25	5.5	5.75	6.8
15	COT-01	Cotley R., Middleboro Ave, Taunton	cancelled	7	7	5.25	3.25	5	**11.75**	4.75	6.75
16	FBR-01	Furnace Brk., River St., E. Taunton	cancelled	2.25	3.5	2.75	1	2.5	13	6	2
17	TBR-01	Tomson Brk., Highstone St., E. Taunton	cancelled	2.25	3.5	9.25	5	**12.5**	4	3.75	3.25
18	TWH-01	Town R., Br, Hayward St., Bridgewater	cancelled	1.75	9	8	9	2.75	7.75	3.25	1.25
19	MAT-01	Matfield R., Br, High St., Bridgewater	cancelled	4.5	7	**11.75**	2.5	3.25	6.5	6.75	8.25
20	NEM-01	Nemasket R., Murdock St., Middleboro	cancelled	1.5	3.25	3.5	2.5	2	1.75	no sample	2.75
				Note 1: Value not reported							
21	**Duplicate Samples**										
March	snow		cancelled								
April	BER-01	Chuckamucksett Brk. Br, Berkley St.		3.5							
May	FORGE	Forge R. Br, Rt 44, Raynham			6.5						
June	TNT-02	Taunton R. Br, Plain St., Taunton				**11.75**					
July	TNT-01	Taunton R. Br, Center St., Berkley					5.5				
August	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater						3.25			
Sept.	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater							2.75		
Oct.	MAT-01	Matfield R., Br, High St., Bridgewater								**Note 1**	
Nov.	TWH-01	Town R., Br, Hayward St., Bridgewater									2.5

2018 TRWA Sampling Results for pH				TARGET FOR CONCERN - Outside Range 6.5 through 8.3 or 0.5 units from natural							
Sample	**Site No.**	**River & Location Description**	**March**	**April**	**May**	**June**	**July**	**August**	**Sept.**	**Oct.**	**Nov.**
1	TNT-01	Taunton R. Br, Center St., Berkley	snow	6.69	6.37	6.96	6.98	7.35	6.93	6.59	6.38
2	TNT-02	Taunton R. Br, Plain St., Taunton	cancelled	6.78	6.53	7.13	7.31	7.29	7.25	6.48	6.43
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	cancelled	6.09	6.18	5.85	6.29	6.84	6.77	6.19	5.87
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater	cancelled	**2.69**	6.53	6.71	**3.09**	6.95	7.1	6.2	6.34
5	ASO-01	Assonet R. Bridge, Rt 79	cancelled	5.61	5.68	5.89	5.94	no sample	6.42	5.77	5.4
6	SEG	Segregansett R. Br, Brook St. Dighton	cancelled	6.28	5.15	6.62	6.49	**Note 1**	6.44	**4.49**	**3.94**
7	BER-01	Chuckamucksett Brk. Br, Berkley St.	cancelled	6.23	5.34	6.65	6.5	no sample	no sample	6.42	6.2
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	cancelled	**Note 1**	6.23	6.69	6.72	6.77	6.76	6.29	6.17
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	cancelled	6.35	6.58	6.92	6.75	6.94	7.03	6.61	6.31
10	TMR-03	Three Mile R. Br, Crane St., Norton	cancelled	6.57	6.67	6.68	6.12	6.19	6.93	6.48	6.36
11	MIL-01	Mill R., Ingell St., Taunton	cancelled	7.72	6.22	6.75	6.77	6.84	7.21	6.58	6.03
12	MIL-02	Mill R., Washington St., Taunton	cancelled	6.67	6.42	6.9	6.65	6.89	6.9	6.52	6.15
13	MIL-03	Mill R., Whittendon St., Taunton	cancelled	6.63	6.52	6.92	6.72	7.07	6.88	6.49	6.13
14	FORGE	Forge R. Br, Rt 44, Raynham	cancelled	6.38	6.14	6.51	6.52	6.84	6.83	5.59	6.34
15	COT-01	Cotley R., Middleboro Ave, Taunton	cancelled	6.29	6.1	5.7	6.42	6.79	6.92	6.44	6.33
16	FBR-01	Furnace Brk., River St., E. Taunton	cancelled	6.51	6.33	6.74	6.51	6.4	6.76	6.44	6.38
17	TBR-01	Tomson Brk., Highstone St., E. Taunton	cancelled	6.31	6.33	5.87	5.98	6.29	6.01	6.13	5.75
18	TWH-01	Town R., Br, Hayward St., Bridgewater	cancelled	**3.43**	5.3	7.02	**3.44**	6.26	**3.43**	**3.36**	**3.61**
19	MAT-01	Matfield R., Br, High St., Bridgewater	cancelled	6.67	4.89	5.31	6.63	6.81	7.17	6.23	**3.41**
20	NEM-01	Nemasket R., Murdock St., Middleboro	cancelled	6.3	**Note 1**	6.17	6.03	5.88	6.69	no sample	6.21
				Note 1: Value not reported							
20	**Duplicate Samples**										
March	snow		cancelled								
April	BER-01	Chuckamucksett Brk. Br, Berkley St.		6.3							
May	FORGE	Forge R. Br, Rt 44, Raynham			5.89						
June	TNT-02	Taunton R. Br, Plain St., Taunton				6.6					
July	TNT-01	Taunton R. Br, Center St., Berkley					6.99				
August	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater						7.08			
Sept.	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater							6.88		
Oct.	MAT-01	Matfield R., Br, High St., Bridgewater								6.27	
Nov.	TWH-01	Town R., Br, Hayward St., Bridgewater									**3.58**

2018 TRWA Sampling Results for Temperature (Degrees C)				TARGET FOR CONCERN - Greater Than 28.3 C							
Sample	**Site No.**	**River & Location Description**	**March**	**April**	**May**	**June**	**July**	**August**	**Sept.**	**Oct.**	**Nov.**
1	TNT-01	Taunton R. Br, Center St., Berkley	snow	12.8	14.9	17.3	22.4	24.6	19.9	16	16.9
2	TNT-02	Taunton R. Br, Plain St., Taunton	cancelled	13.6	15.4	17.2	22.6	24.9	19.5	16.4	17
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	cancelled	11.2	15.3	16.6	21.6	24.7	19.3	16.6	16
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater	cancelled	9.9	14.2	16.3	21.2	24.3	19	16.4	16.7
5	ASO-01	Assonet R. Bridge, Rt 79	cancelled	14.3	15.8	18.9	22.2	no sample	19.5	16.8	16.3
6	SEG	Segregansett R. Br, Brook St. Dighton	cancelled	13	16.1	15.9	21.1	24.3	17.2	16.8	17.1
7	BER-01	Chuckamucksett Brk. Br, Berkley St.	cancelled	10.3	13.3	15.6	20.5	no sample	no sample	16.6	16.6
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	cancelled	12	15.4	17.5	21.5	24.1	18.9	16.1	18.1
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	cancelled	10.3	14.7	16.3	21.3	24.1	18.4	16.4	15.7
10	TMR-03	Three Mile R. Br, Crane St., Norton	cancelled	9.9	14.6	15.8	21.3	23.5	17.9	16.2	16.3
11	MIL-01	Mill R., Ingell St., Taunton	cancelled	14	17.3	16.6	22.1	24.5	18.2	17.2	15.9
12	MIL-02	Mill R., Washington St., Taunton	cancelled	11.3	16.2	16.6	21.5	24.6	18.3	17.3	15.9
13	MIL-03	Mill R., Whittendon St., Taunton	cancelled	11	16.1	16.4	21.6	24.3	18.6	17.3	15.7
14	FORGE	Forge R. Br, Rt 44, Raynham	cancelled	9	13.7	15.3	20.4	23.4	18.3	16.1	15.5
15	COT-01	Cotley R., Middleboro Ave, Taunton	cancelled	8.6	13.2	14.3	19.8	22.8	18.5	15.3	16.5
16	FBR-01	Furnace Brk., River St., E. Taunton	cancelled	**Note 1:**	14.7	16.4	20.1	23.2	18.8	15.4	16.4
17	TBR-01	Tomson Brk., Highstone St., E. Taunton	cancelled	11	12.4	14.8	19.2	22.3	18.2	16.1	16.3
18	TWH-01	Town R., Br, Hayward St., Bridgewater	cancelled	13.4	15.2	16.4	22	24.5	19	16	16.1
19	MAT-01	Matfield R., Br, High St., Bridgewater	cancelled	10.6	15.4	16.4	21.1	24.1	18.8	18.1	15.7
20	NEM-01	Nemasket R., Murdock St., Middleboro	cancelled	8.7	15.9	18.4	21.3	24.1	18.5	no sample	16.3
				Note 1: Value not reported							
21	**Duplicate Samples**										
March	snow		cancelled								
April	BER-01	Chuckamucksett Brk. Br, Berkley St.		16.5							
May	FORGE	Forge R. Br, Rt 44, Raynham			14.5						
June	TNT-02	Taunton R. Br, Plain St., Taunton				17.3					
July	TNT-01	Taunton R. Br, Center St., Berkley					22.7				
August	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater						24.5			
Sept.	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater							19.4		
Oct.	MAT-01	Matfield R., Br, High St., Bridgewater								**Note 1**	
Nov.	TWH-01	Town R., Br, Hayward St., Bridgewater									16.2

Sample Analysis, Collection Method - Standard Operating Procedures (SOP) and Instream Target Values

Samples Veolia Taunton WWTF Lab An EPA and MassDEP NPDES Regulated Facility Laboratory

http://www.veolianorthamerica.com/en/taunton-mass

Samples Are Collected by Trained TRWA Volunteers Using An SOP Jointly Developed by TRWA and Veolia North America

http://savethetaunton.org/wp/wp-content/uploads/2018/01/TRWA-Sampling-SOP-1-19-2018.pdf

Sampling Locations Map May Be Found At:

https://www.google.com/maps/d/edit?mid=zhnIdTn8bGeU.kyo7mjqZ3YFQ&usp=sharing

Water Quality Protection **Insteam Target Values**:

Dissolved Oxygen (DO)

Water Quality Target Value for Dissolved Oxygen is DO greater than 5.0 mg/l to meet Massachusetts Class B and SB Water Quality Standards for warm water freshwater fisheries and SB marine waters.

Total Suspended Solids (TSS)

Total Suspended Solids (TSS) is a measure of particulates in the water. There is no Water Quality Standard for TSS. We are looking for unusually high values that may indicate an erosion or poor stormwater management problem upstream. High levels of TSS can smother aquatic life and destroy benthic habitat.

pH

The Water Quality Standard for pH in class B waters is 6.5 through 8.3 and not more than 0.5 units outside the natural range. Wetlands, swamps, bogs, pine forest tend to have natural low pH. Field pH strips are sometimes used to identify extremes of pH such as that caused by a spill of industrial waste. Reported results are from samples analyized by Veolia Taunton WWTP lab using a calibrated pH meter.

Temperature (Degrees C)

The Water Quality Standard for Temperature in class B waters is that it shall not exceed 28.3 C.