

2021 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	April	May	June	July	August	Sept.	Oct.		
1	TNT-01	Taunton R. Br, Center St., Berkley					7.56	7.55	8.06		
2	TNT-02	Taunton R. Br, Plain St., Taunton					7.31	7.12	7.94		
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater					6.89	5.88	7.45		
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater					7.15	7.18	8.3		
5	ASO-01	Assonet R. Bridge, Rt 79					8.73	8.74	9.26		
6	SEG	Segregansett R. Br, Brook St. Dighton					6.77	6.10	5.79		
7	BER-01	Chuckamucksett Brk. Br, Berkley St.					8.74	8.34	9.22		
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	NOT SAMPLED DUE TO PANDEMIC					8.66	9.02	9.53	
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.					6.94	7.79	8.64		
10	TMR-03	Three Mile R. Br, Crane St., Norton					7.03	7.89	8.53		
11	MIL-01	Mill R., Ingell St., Taunton					7.06	8.51	8.88		
12	MIL-02	Mill R., Washington St., Taunton					7.27	8.47	8.89		
13	MIL-03	Mill R., Whittendon St., Taunton					7.09	7.87	8.88		
14	FORGE	Forge R. Br, Rt 44, Raynham					6.87	9.31	8.84		
15	COT-01	Cotley R., Middleboro Ave, Taunton					6.32	8.29	8.42		
16	FBR-01	Furnace Brk., River St., E. Taunton					7.06	6.82	8.32		
17	TBR-01	Tomson Brk., Highstone St., E. Taunton					3.40	1.82	2.34		
18	TWH-01	Town R., Br, Hayward St., Bridgewater					6.13	7.50	7.87		
19	MAT-01	Matfield R., Br, High St., Bridgewater					6.90	7.64	8.32		
20	NEM-01	Nemasket R., Murdock St., Middleboro					5.81	5.51	7.06		
		Duplicate Sample Location	DUP #	DUP Results							
April	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1								
	BER-01	Chuckamucksett Brk. Br, Berkley St.	DUP 2								
May	FBR-01	Furnace Brk., River St., E. Taunton	DUP 1								
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2								
June	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1								
	ASO-01	Assonet R. Bridge, Rt 79	DUP 2								
July	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	DUP 1								
	SEG	Segregansett R. Br, Brook St. Dighton	DUP 2								
August	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	6.85							
	MAT-01	Matfield R., Br, High St., Bridgewater	DUP 2	6.31							
Sept.	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	8.02							
	MIL-01	Mill R., Ingell St., Taunton	DUP 2								
Oct.	NEM-01	Nemasket R., Murdock St., Middleboro	DUP 1	7.17							
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	8.57							

2021 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	April	May	June	July	August	Sept.	Oct.	
1	TNT-01	Taunton R. Br, Center St., Berkley					6.06	6.72	6.78	
2	TNT-02	Taunton R. Br, Plain St., Taunton					4.88	6.10	6.56	
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater					5.45	6.44	5.45	
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater					5.48	5.95	5.87	
5	ASO-01	Assonet R. Bridge, Rt 79					5.42	5.76	5.75	
6	SEG	Segregansett R. Br, Brook St. Dighton					6.07	5.47	5.21	
7	BER-01	Chuckamucksett Brk. Br, Berkley St.					6.28	3.34	6.19	
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.					6.52	6.57	6.51	
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.					6.15	6.81	6.72	
10	TMR-03	Three Mile R. Br, Crane St., Norton					6.54	6.86	6.80	
11	MIL-01	Mill R., Ingell St., Taunton					6.70	6.50	6.50	
12	MIL-02	Mill R., Washington St., Taunton					6.68	5.06	6.50	
13	MIL-03	Mill R., Whittendon St., Taunton					6.54	6.55	6.67	
14	FORGE	Forge R. Br, Rt 44, Raynham					4.19	5.45	6.44	
15	COT-01	Cotley R., Middleboro Ave, Taunton					6.15	6.43	6.55	
16	FBR-01	Furnace Brk., River St., E. Taunton					6.65	6.72	6.80	
17	TBR-01	Tomson Brk., Highstone St., E. Taunton					5.98	6.28	6.27	
18	TWH-01	Town R., Br, Hayward St., Bridgewater					2.70		6.59	
19	MAT-01	Matfield R., Br, High St., Bridgewater					6.58	6.52	6.93	
20	NEM-01	Nemasket R., Murdock St., Middleboro					2.99	3.81	6.29	
		Duplicate Sample Location	DUP #	DUP Results						
April	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1							
	BER-01	Chuckamucksett Brk. Br, Berkley St.	DUP 2							
May	FBR-01	Furnace Brk., River St., E. Taunton	DUP 1							
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2							
June	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1							
	ASO-01	Assonet R. Bridge, Rt 79	DUP 2							
July	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	DUP 1							
	SEG	Segregansett R. Br, Brook St. Dighton	DUP 2							
August	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	5.84						
	MAT-01	Matfield R., Br, High St., Bridgewater	DUP 2	6.59						
Sept.	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	3.61						
	MIL-01	Mill R., Ingell St., Taunton	DUP 2	6.38						
Oct.	NEM-01	Nemasket R., Murdock St., Middleboro	DUP 1	6.17						
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	6.57						

2021 TRWA Sampling Results for Temperature (Degrees C)			TARGET FOR CONCERN - Greater Than 28.3°C										
Sample	Site No.	River & Location Description	April	May	June	July	August	Sept.	Oct.				
1	TNT-01	Taunton R. Br, Center St., Berkley					20.7	19.8	18.7				
2	TNT-02	Taunton R. Br, Plain St., Taunton					21.2	19.6	18.8				
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater					21.8	20.1	18.1				
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater					21.8	19.4	17.8				
5	ASO-01	Assonet R. Bridge, Rt 79					21.2	20.0	18.7				
6	SEG	Segregansett R. Br, Brook St. Dighton					19.0	16.8	15.4				
7	BER-01	Chuckamucksett Brk. Br, Berkley St.					17.4	16.4	14.2				
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.					20.3	19.4	18.4				
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.					21.2	19.9	18.3				
10	TMR-03	Three Mile R. Br, Crane St., Norton					20.8	18.9	18.0				
11	MIL-01	Mill R., Ingell St., Taunton					22.5	20.1	18.0				
12	MIL-02	Mill R., Washington St., Taunton					22.3	19.8	17.7				
13	MIL-03	Mill R., Whittendon St., Taunton					22.3	20.0	17.8				
14	FORGE	Forge R. Br, Rt 44, Raynham					20.8	18.2	18.0				
15	COT-01	Cotley R., Middleboro Ave, Taunton					20.3	18.5	17.3				
16	FBR-01	Furnace Brk., River St., E. Taunton					21.7	18.7	17.8				
17	TBR-01	Tomson Brk., Highstone St., E. Taunton					20.6	17.5	17.3				
18	TWH-01	Town R., Br, Hayward St., Bridgewater					21.2	19.3	17.9				
19	MAT-01	Matfield R., Br, High St., Bridgewater					21.2	19.7	18.2				
20	NEM-01	Nemasket R., Murdock St., Middleboro					21.4	19.6	18.9				
		Duplicate Sample Location	DUP #	DUP Results			Duplicate sample obtained by second reading with another thermometer or reading by another team member.						
April	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1										
	BER-01	Chuckamucksett Brk. Br, Berkley St.	DUP 2										
May	FBR-01	Furnace Brk., River St., E. Taunton	DUP 1										
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2										
June	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1										
	ASO-01	Assonet R. Bridge, Rt 79	DUP 2										
July	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	DUP 1										
	SEG	Segregansett R. Br, Brook St. Dighton	DUP 2										
August	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1			21.3							
	MAT-01	Matfield R., Br, High St., Bridgewater	DUP 2			21.1							
Sept.	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1			18.7							
	MIL-01	Mill R., Ingell St., Taunton	DUP 2										
Oct.	NEM-01	Nemasket R., Murdock St., Middleboro	DUP 1			18.1							
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2			18.7							

2021 TRWA Sampling Results for Total Suspended Solids (mg/l)			TARGET FOR CONCERN - Unusually High or Non-typical Values - Analyze Turbid Samples Only								
Sample	Site No.	River & Location Description	April	May	June	July	August	Sept.	Oct.		
1	TNT-01	Taunton R. Br, Center St., Berkley									
2	TNT-02	Taunton R. Br, Plain St., Taunton									
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater									
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater									
5	ASO-01	Assonet R. Bridge, Rt 79									
6	SEG	Segregansett R. Br, Brook St. Dighton									
7	BER-01	Chuckamucksett Brk. Br, Berkley St.									
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.									
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.									
10	TMR-03	Three Mile R. Br, Crane St., Norton									
11	MIL-01	Mill R., Ingell St., Taunton									
12	MIL-02	Mill R., Washington St., Taunton									
13	MIL-03	Mill R., Whittendon St., Taunton									
14	FORGE	Forge R. Br, Rt 44, Raynham									
15	COT-01	Cotley R., Middleboro Ave, Taunton									
16	FBR-01	Furnace Brk., River St., E. Taunton									
17	TBR-01	Tomson Brk., Highstone St., E. Taunton									
18	TWH-01	Town R., Br, Hayward St., Bridgewater									
19	MAT-01	Matfield R., Br, High St., Bridgewater									
20	NEM-01	Nemasket R., Murdock St., Middleboro									
		Duplicate Sample Location	DUP #	DUP Results		Analyzing turbid samples only in 2021.					
April	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1								
	BER-01	Chuckamucksett Brk. Br, Berkley St.	DUP 2								
May	FBR-01	Furnace Brk., River St., E. Taunton	DUP 1								
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2								
June	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1								
	ASO-01	Assonet R. Bridge, Rt 79	DUP 2								
July	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	DUP 1								
	SEG	Segregansett R. Br, Brook St. Dighton	DUP 2								
August	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1								
	MAT-01	Matfield R., Br, High St., Bridgewater	DUP 2								
Sept.	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1								
	MIL-01	Mill R., Ingell St., Taunton	DUP 2								
Oct.	NEM-01	Nemasket R., Murdock St., Middleboro	DUP 1								
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2								

Sample Analysis, Collection Method - Standard Operating Procedures (SOP) and Instream Target Values												
<p>Samples</p> <p>Veolia Taunton WWTF Lab</p> <p>http://www.veolianorthamerica.com/en/taunton-mass</p>												
Samples Are Collected by Trained TRWA Volunteers Using An SOP Jointly Developed by TRWA and Veolia North America												
<p>https://savethetaunton.org/wp-content/uploads/2021/06/TRWA-Sampling-SOP-6-14-2021.pdf</p>												
<p>A sampling map may be found on the TRWA website.</p>												
Water Quality Protection Instream Target Values:												
Dissolved Oxygen (DO)												
Water Quality Target Value for Dissolved Oxygen (DO) is greater than 5.0 mg/l to meet the Massachusetts Class B												
Water Quality Standards for warm water freshwater fisheries and the SB DO criterion for 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 analyzed												
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 83°F (28.3°C) in warm water fisheries.												
The Temperature in class SB waters shall not exceed 85°F (29°C) nor a maximum daily mean of 80°F (26.7°C).												
Natural seasonal and daily variations that are necessary to protect existing and designated uses shall be maintained.												
There shall be no changes from natural background conditions that would impair any use assigned to this Class,												
including those conditions necessary to protect normal species diversity, successful migration, reproductive												
functions or growth of aquatic organisms.												
TRWA sampling locations TNT-01 and TNT-02 are in class SB waters all others are in class B waters.												