2026 TRWA Sampling Results for Nitrate (mg/l)				TARGET FOR CONCERN - GREATER THAN 0.4 MG/L							
Sample	**Site No.**	**River & Location Description**	**April**	**May**	**June**	**July**	**August**	**Sept.**	**Oct.**	**AVG****	
1	TNT-01	Taunton R. Br, Center St., Berkley	0.38	**0.41**	0.38	0.21	0.15	0.19	0.34	0.28	
2	TNT-02	Taunton R. Br, Plain St., Taunton	0.38	**0.41**	**0.42**	0.32	0.31	**0.51**	0.29	0.38	
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	0.37	0.36	**0.59**	0.39	0.40	**0.87**	0.27	**0.48**	
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater	**0.65**	**0.61**	**1.14**	**0.71**	**0.81**	**1.61**	0.33	**0.87**	
5	ASO-01	Assonet R. Bridge, Rt 79	0.09	0.05	0.05	0.05	0.06	0.06	0.05	0.05	
6	SEG	Segregansett R. Br, Brook St. Dighton	0.27	0.17	3.82	0.26	0.21	0.31	0.05	**0.80**	
7	BER-01	Chuckamucksett Brk. Br, Berkley St.	**0.62**	**0.70**	**1.14**	0.23	**0.45**	**0.47**	0.12	**0.52**	
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	0.40	0.39	**0.49**	0.25	0.30	**0.49**	0.32	0.37	
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	0.37	0.35	**0.56**	0.31	**0.41**	**1.97**	0.29	**0.65**	
10	TMR-03	Three Mile R. Br, Crane St., Norton	0.33	0.22	0.23	0.10	0.15	0.21	0.07	0.16	
11	MIL-01	Mill R., Ingell St., Taunton	0.29	0.13	NR	0.29	0.33	**0.55**	0.09	0.28	
12	MIL-02	Mill R., Washington St., Taunton	0.19	0.11	NR	0.15	0.16	0.19	0.09	0.14	
13	MIL-03	Mill R., Whittendon St., Taunton	0.18	0.08	0.09	0.09	0.09	0.11	0.05	0.08	
14	FORGE	Forge R. Br, Rt 44, Raynham	0.27	0.20	0.22	0.19	0.24	0.32	0.18	0.22	
15	COT-01	Cotley R., Middleboro Ave, Taunton	0.18	0.10	0.13	0.16	0.17	0.18	0.05	0.13	
16	FBR-01	Furnace Brk., River St., Raynham	0.13	0.11	0.18	0.20	0.20	0.30	0.11	0.18	
17	CHU-01	Taunton River Br, Church St., Raynham	0.38	**0.41**	**0.55**	0.37	0.40	**0.84**	0.28	**0.47**	
18	TWH-01	Town R., Br, Hayward St., Bridgewater	0.18	0.21	**0.83**	**0.58**	**0.50**	**2.42**	0.13	**0.78**	
19	MAT-01	Matfield R., Br, High St., Bridgewater	**0.99**	**0.74**	**1.14**	**1.53**	**1.42**	**1.68**	**0.45**	**1.16**	
20	NEM-01	Nemasket R., Murdock St., Middleboro	0.13	0.27	0.34	0.34	0.40	0.25	0.16	0.29	
Month	**Site No.**	**Duplicate and Blank Locations by Month**	**DUP #**	**Duplicate Results**		**BL #**	**Blank Results**		** Avg is for the water quality months		
April	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	0.14		BL 1	<0.0500		of May through October used in		
	BER-01	Chuckamucksett Brk. Br, Berkley St.	DUP 2	0.61		BL 2	<0.0500		NPDES permit TN limitation averaging.		
May	FBR-01	Furnace Brk., River St., Raynham	DUP 1	0.11		BL 1	<0.0500				
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	0.35		BL 2	<0.0500		NR = Not Reported, no sample		
June	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	0.42		BL 1	<0.0500				
	ASO-01	Assonet R. Bridge, Rt 79	DUP 2	0.05		BL 2	<0.0500				
July	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	DUP 1	0.46		BL 1	<0.0500				
	SEG	Segregansett R. Br, Brook St. Dighton	DUP 2	0.27		BL 2	<0.0500				
August	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	0.31		BL 1	<0.0500				
	MAT-01	Matfield R., Br, High St., Bridgewater	DUP 2	1.42		BL 2	<0.0500				
Sept.	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	0.20		BL 1	<0.0500				
	MIL-01	Mill R., Ingell St., Taunton	DUP 2	0.56		BL 2	<0.0500				
Oct.	NEM-01	Nemasket R., Murdock St., Middleboro	DUP 1	0.17		BL 1	<0.0500				
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	0.28		BL 2	<0.0500				

2026 TRWA Sampling Results for Total Phosphorus (mg/l)				TARGET FOR CONCERN - GREATER THAN 0.100 mg/l							
Sample	**Site No.**	**River & Location Description**	**April**	**May**	**June**	**July**	**August**	**Sept.**	**Oct.**	**AVG****	
1	TNT-01	Taunton R. Br, Center St., Berkley	0.035	0.094	**0.109**	**0.167**	**0.147**	**0.133**	0.087	**0.12**	
2	TNT-02	Taunton R. Br, Plain St., Taunton	0.032	0.047	0.066	0.081	**0.148**	**0.185**	0.087	**0.10**	
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	0.032	0.052	0.072	0.075	0.089	0.046	0.091	**0.07**	
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater	0.046	0.058	0.095	0.083	**0.102**	0.056	0.085	**0.08**	
5	ASO-01	Assonet R. Bridge, Rt 79	0.018	0.044	0.064	**0.135**	**0.111**	0.047	**0.190**	**0.10**	
6	SEG	Segregansett R. Br, Brook St. Dighton	0.016	0.029	0.057	0.088	**0.105**	0.069	0.036	**0.06**	
7	BER-01	Chuckamucksett Brk. Br, Berkley St.	0.014	0.041	0.031	**0.171**	**0.139**	**0.105**	0.034	**0.09**	
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	0.016	0.022	0.028	0.040	**0.149**	**0.179**	0.034	**0.08**	
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	0.018	0.022	0.038	0.029	0.031	0.027	0.034	0.03	
10	TMR-03	Three Mile R. Br, Crane St., Norton	0.015	0.021	0.021	0.027	0.024	0.026	0.046	0.03	
11	MIL-01	Mill R., Ingell St., Taunton	0.019	0.026	NR	0.073	**0.108**	0.062	0.024	**0.06**	
12	MIL-02	Mill R., Washington St., Taunton	0.017	0.029	NR	0.023	0.020	0.021	0.028	0.02	
13	MIL-03	Mill R., Whittendon St., Taunton	0.016	0.028	0.018	0.030	0.017	0.017	0.027	0.02	
14	FORGE	Forge R. Br, Rt 44, Raynham	0.029	0.072	0.100	0.089	0.090	0.072	0.084	**0.08**	
15	COT-01	Cotley R., Middleboro Ave, Taunton	0.011	0.019	0.024	0.032	0.030	0.027	0.030	0.03	
16	FBR-01	Furnace Brk., River St., Raynham	0.016	0.044	0.065	0.080	0.043	0.043	0.028	0.05	
17	CHU-01	Taunton River Br, Church St., Raynham	0.034	0.051	0.062	0.068	0.080	0.039	**0.100**	**0.07**	
18	TWH-01	Town R., Br, Hayward St., Bridgewater	0.034	0.049	**0.156**	**0.106**	**0.145**	**0.139**	0.069	**0.11**	
19	MAT-01	Matfield R., Br, High St., Bridgewater	0.048	0.064	0.080	0.068	0.058	0.049	0.078	**0.07**	
20	NEM-01	Nemasket R., Murdock St., Middleboro	0.019	0.043	0.051	0.046	0.072	0.021	0.046	0.05	
		Duplicate and Blank Locations by Month		**Duplicate Results**		**Blank Results**			** Avg is for the water quality months		
April	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	0.013		BL 1	<0.0106		of May through October (season AVG).		
	BER-01	Chuckamucksett Brk. Br, Berkley St.	DUP 2	0.013		BL 2	<0.0106		NPDES permits use TP mo. avg. limits.		
May	FBR-01	Furnace Brk., River St., Raynham	DUP 1	0.044		BL 1	<0.0106		Based on observations TRWA considers		
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	0.027		BL 2	<0.0106		a season AVG **≥ 0.05 mg/l is concern**.		
June	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	0.074		BL 1	<0.0106				
	ASO-01	Assonet R. Bridge, Rt 79	DUP 2	0.065		BL 2	<0.0106				
July	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	DUP 1	0.078		BL 1	<0.0106				
	SEG	Segregansett R. Br, Brook St. Dighton	DUP 2	0.088		BL 2	<0.0106				
August	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	0.149		BL 1	<0.0106				
	MAT-01	Matfield R., Br, High St., Bridgewater	DUP 2	0.063		BL 2	<0.0106				
Sept.	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	0.027		BL 1	<0.0106				
	MIL-01	Mill R., Ingell St., Taunton	DUP 2	0.086		BL 2	<0.0106				
Oct.	NEM-01	Nemasket R., Murdock St., Middleboro	DUP 1	0.057		BL 1	<0.0106				
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	0.040		BL 2	<0.0106				

2026 TRWA Sampling Results for Enterococci (CFU/100 ml)				TARGET FOR CONCERN - GREATER THAN 35 CFU/100 ML (Class B & SB waters)							
Sample	**Site No.**	**River & Location Description**	**April**	**May**	**June**	**July**	**August**	**Sept.**	**Oct.**	**90 Day Geo Mean Jun to Aug**	
1	TNT-01	Taunton R. Br, Center St., Berkley (SB Cr. 104)	36	16	49	52	98	11.0	1956	63	
2	TNT-02	Taunton R. Br, Plain St., Taunton (SB Cr. 104)	38	20	99	75	98	58.3	2310	90	
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	13	29	46	31	63	7.5	2755	45	
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater	21	179	150	156	359	22.6	2489	203	
5	ASO-01	Assonet R. Bridge, Rt 79	8	38	78	41	74	4.1	464	62	
6	SEG	Segregansett R. Br, Brook St. Dighton	5	23	579	243	771	93.3	1723	477	
7	BER-01	Chuckamucksett Brk. Br, Berkley St.	40	99	579	75	988	34.1	279	350	
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	7	16	138	269	223	42.0	1071	202	
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	15	291	219	246	135	20.1	933	194	
10	TMR-03	Three Mile R. Br, Crane St., Norton	10	22	394	171	148	24.9	1187	215	
11	MIL-01	Mill R., Ingell St., Taunton	19	41	NR	173	121	133.3	122	145	
12	MIL-02	Mill R., Washington St., Taunton	16	39	NR	292	259	25.9	211	275	
13	MIL-03	Mill R., Whittendon St., Taunton	11	17	461	327	425	48.7	135	400	
14	FORGE	Forge R. Br, Rt 44, Raynham	18	74	299	309	256	51.2	789	287	
15	COT-01	Cotley R., Middleboro Ave, Taunton	15	172	365	379	146	24.3	253	272	
16	FBR-01	Furnace Brk., River St., Raynham	15	2420	93	243	323	47.1	145	194	
17	CHU-01	Taunton River Br, Church St., Raynham	84	42	85	85	187	44.8	4106	110	
18	TWH-01	Town R., Br, Hayward St., Bridgewater	32	1414	101	292	173	12.2	776	172	
19	MAT-01	Matfield R., Br, High St., Bridgewater	43	37	411	226	275	14.8	1211	294	
20	NEM-01	Nemasket R., Murdock St., Middleboro	3	21	186	41	63	13.4	279	78	

		Duplicate and Blank Locations by Month		**Duplicate Results**	**Blank Results**	
April	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	26	BL 1	<1
	BER-01	Chuckamucksett Brk. Br, Berkley St.	DUP 2	41	BL 2	<1
May	FBR-01	Furnace Brk., River St., Raynham	DUP 1	2420	BL 1	1
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	461	BL 2	<1
June	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	132	BL 1	<1
	ASO-01	Assonet R. Bridge, Rt 79	DUP 2	96	BL 2	<1
July	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	DUP 1	10	BL 1	<1
	SEG	Segregansett R. Br, Brook St. Dighton	DUP 2	487	BL 2	<1
August	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	121	BL 1	<1
	MAT-01	Matfield R., Br, High St., Bridgewater	DUP 2	173	BL 2	<1
Sept.	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	37	BL 1	<1
	MIL-01	Mill R., Ingell St., Taunton	DUP 2	96	BL 2	<1
Oct.	NEM-01	Nemasket R., Murdock St., Middleboro	DUP 1	293	BL 1	<1
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	1137	BL 2	<1

** Geometric Mean for any 90 days shall not exceed 35 CFU/100ml. No more than 10% of all samples collected shall exceed 130 CFU/100ml. Standard effective 11/12/2021.

Results reported as **2000** were reported as **> 2000** colonies by Microbac Lab (max that could be measured). 2000 used to calculate the geometric mean.

2026 TRWA Sampling - Date and Time of Sample Collection, AM											
Sampling Date			**4/14/2026**	**5/12/2026**	**6/9/2026**	**7/14/2026**	**8/11/2026**	**9/8/2026**	**10/13/2026**		
Flow Taunton River USGS Guage Near Bridgewater MA - 01108000			621	278	119	87	122	67	809	cubic feet per second (CFS)	
Trend of Previous Days River Flow (falling or rising)			falling	falling	falling	falling	falling	falling	falling		
Sample	**Site No.**	**River & Location Description**	**April**	**May**	**June**	**July**	**August**	**Sept.**	**Oct.**		
1	TNT-01	Taunton R. Br, Center St., Berkley	6:37	6:33	6:35	6:33	6:37	6:33	6:35		
2	TNT-02	Taunton R. Br, Plain St., Taunton	7:14	7:05	7:07	7:06	7:08	7:00	7:00		
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	7:04	7:00	7:08	7:00	7:00	6:15	6:00		
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater	6:30	6:30	6:15	6:15	6:15	5:30	5:30		
5	ASO-01	Assonet R. Bridge, Rt 79	6:41	7:00	7:00	7:00	7:00	6:40	7:00		
6	SEG	Segregansett R. Br, Brook St. Dighton	7:05	7:05	7:03	7:02	7:04	6:59	6:58		
7	BER-01	Chuckamucksett Brk. Br, Berkley St.	7:27	7:20	7:19	7:23	7:17	7:14	7:12		
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	6:57	6:48	6:49	6:51	6:50	6:46	6:45		
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	7:30	7:15	7:22	7:30	7:10	7:15	7:37		
10	TMR-03	Three Mile R. Br, Crane St., Norton	7:06	6:55	7:00	7:10	6:45	6:55	7:07		
11	MIL-01	Mill R., Ingell St., Taunton	7:32	7:27	NR	7:33	7:28	7:42	7:42		
12	MIL-02	Mill R., Washington St., Taunton	7:22	7:18	NR	7:25	7:20	7:27	7:32		
13	MIL-03	Mill R., Whittendon St., Taunton	7:04	7:03	7:00	7:06	7:05	7:10	7:19		
14	FORGE	Forge R. Br, Rt 44, Raynham	7:09	7:09	7:09	7:11	7:08	7:12	7:03		
15	COT-01	Cotley R., Middleboro Ave, Taunton	7:34	7:30	7:38	7:20	7:30	7:35	7:27		
16	FBR-01	Furnace Brk., River St., Raynham	7:01	7:15	7:05	6:55	6:52	7:00	6:51		
17	CHU-01	Taunton River Br, Church St., Raynham	7:15	7:01	7:15	7:09	7:04	7:12	7:05		
18	TWH-01	Town R., Br, Hayward St., Bridgewater	6:30	6:30	6:30	6:30	6:35	6:30	6:55		
19	MAT-01	Matfield R., Br, High St., Bridgewater	6:45	6:40	6:45	6:45	6:45	6:45	7:08		
20	NEM-01	Nemasket R., Murdock St., Middleboro	5:45	6:00	6:00	6:00	5:45	5:45	6:00		
		Duplicate Sample Location	**DUP #**	**DUP Results Not Applicable to Time Reporting**							
					Same as Sample Collection Date and Time for Site						
		NR - Not Reported, no sample									
		See Below for Sample Analysis, Collection Method - Standard Operating Procedures (SOP) and Instream Target Values Basis									

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

Samples Are Analyzed by:

Microbac, Dayville, CT — A MassDEP Certified Laboratory

https://www.microbac.com/our-laboratories/dayville-connecticut/#services

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

https://savethetaunton.org/water-quality-monitoring/

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**:

Nitrate

Water Quality Target Values for Nitrogen are expressed as Total Nitrogen = **Nitrate** + Organic Nitrogen + Ammonia + Nitrite

Like most enninronmental groups TRWA measures only **Nitrate** because of its low cost ($12 / sample) and low reporting level (0.05 mg/l). The MassDEP in a large number of TMDLs for estuaries has recommended TN values between 0.39 to 0.5 mg/l for estuaries without eel grass in good to fair condition. The Cape Cod Commission recommends values 0.34 to 0.39 while the Buzzards Bay Project/ Massachusetts Coastal Zone Management recommends 0.39 to 0.44 mg/l. After consultation with MassDEP and Rhode Island DEM (downstream state) EPA selected a TN target estuary value of 0.45 mg/l as a medium target for the Taunton River.

Because Nitrate is only a portion of Total Nitrogen we consider **Nitrate values > 0.4 mg/l high for both the tidal** portion of the estuary below Route 24 at the Raynham/Taunton Bridge and above because of transport concerns **to the salt waters of the estuary**.

Total Phosphorus

The Water Quality Target Values for **Total Phosphorus are 0.100 mg/l for freshwaters** in free flowing streams and 0.050 mg/l in lakes, ponds, impoundments and streams tributary to them. These Targets are from the EPA Suggested Criteria for Water sometimes called the Gold Book.

Based on obseration and photos of the shallow effluent dominated freshwaters of the watershed TRWA considers **average TP greater than 0.05 mg/l** a value for concern in addition to **single month samples > 0.100 mg/l**.

Bacteria - Enterococci

The Water Quality Target Value used for **enterococci is 35 colony-forming units (CFU) per 100 ml as a geometric mean for any 90 day** or smaller interval and no more than 10% of all samples collected within that interval shall exceed the statistical threshold value of 130 CFU/100ml. (Standard effective 11/12/2021).

These targets are from the MA Water Quality Standards 314 CMR for Class B and SB waters.