

| 2025 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 | | | | | | | | | |
| 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., Raynham | | | | | | | | | |
| 17 | CHU-01 | Taunton River Br, Church St., Raynham | | | | | | | | | |
| 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 | | | | | | | |
| 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., Raynham | 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 | | | | | | | | |

| 2025 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 | | | | | | | | | |
| 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., Raynham | | | | | | | | | |
| 17 | CHU-01 | Taunton River Br, Church St., Raynham | | | | | | | | | |
| 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 | | | | | | | | | |
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| May | FBR-01 | Furnace Brk., River St., Raynham | DUP 1 | | | | | | | | |
| | TMR-02 | Three Mile R. Br, Rt 44, Cohannet St. | DUP 2 | | | | | | | | |
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| | 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 | | | | | | | | |

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|---|---|--|--|--|--|--|--|--|--|
| Sample Analysis, Collection Method - Standard Operating Procedures (SOP) and Instream Target Values | | | | | | | | | |
| Samples | Veolia Taunton WWTF Lab | | | | | | | | |
| | 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 See TRWA Website | | | | | | | | | |
| | https://savethetaunton.org/water-quality-monitoring/ | | | | | | | | |
| A sampling map may be found on the TRWA website. | | | | | | | | | |
| Water Quality Protection Insteam 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. | | | | | | | | |
| | Only very turbid samples are analyzed and reported. Analyzing turbid samples only. | | | | | | | | |
| | 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. | | | | | | | | |