

| 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 |               |       |                                        | 0.33  |  |
| 2                                             | TNT-02        | Taunton R. Br, Plain St., Taunton           | 0.38                                       | 0.41              | 0.42 | 0.32 |               |       |                                        | 0.38  |  |
| 3                                             | BED-01/TNT-03 | Taunton R., Rt 18, Bedford St., Bridgewater | 0.37                                       | 0.36              | 0.59 | 0.39 |               |       |                                        | 0.45  |  |
| 4                                             | CHE-01/TNT-04 | Taunton R. Br, Cherry St., Bridgewater      | 0.65                                       | 0.61              | 1.14 | 0.71 |               |       |                                        | 0.82  |  |
| 5                                             | ASO-01        | Assonet R. Bridge, Rt 79                    | 0.09                                       | 0.05              | 0.05 | 0.05 |               |       |                                        | 0.05  |  |
| 6                                             | SEG           | Segregansett R. Br, Brook St. Dighton       | 0.27                                       | 0.17              | 3.82 | 0.26 |               |       |                                        | 1.42  |  |
| 7                                             | BER-01        | Chuckamucksett Brk. Br, Berkley St.         | 0.62                                       | 0.70              | 1.14 | 0.23 |               |       |                                        | 0.69  |  |
| 8                                             | TMR-01        | Three Mile R. Br, Rt 138, Somerset Ave.     | 0.40                                       | 0.39              | 0.49 | 0.25 |               |       |                                        | 0.38  |  |
| 9                                             | TMR-02        | Three Mile R. Br, Rt 44, Cohannet St.       | 0.37                                       | 0.35              | 0.56 | 0.31 |               |       |                                        | 0.41  |  |
| 10                                            | TMR-03        | Three Mile R. Br, Crane St., Norton         | 0.33                                       | 0.22              | 0.23 | 0.10 |               |       |                                        | 0.18  |  |
| 11                                            | MIL-01        | Mill R., Ingell St., Taunton                | 0.29                                       | 0.13              | NR   | 0.29 |               |       |                                        | 0.21  |  |
| 12                                            | MIL-02        | Mill R., Washington St., Taunton            | 0.19                                       | 0.11              | NR   | 0.15 |               |       |                                        | 0.13  |  |
| 13                                            | MIL-03        | Mill R., Whittendon St., Taunton            | 0.18                                       | 0.08              | 0.09 | 0.09 |               |       |                                        | 0.08  |  |
| 14                                            | FORGE         | Forge R. Br, Rt 44, Raynham                 | 0.27                                       | 0.20              | 0.22 | 0.19 |               |       |                                        | 0.20  |  |
| 15                                            | COT-01        | Cotley R., Middleboro Ave, Taunton          | 0.18                                       | 0.10              | 0.13 | 0.16 |               |       |                                        | 0.13  |  |
| 16                                            | FBR-01        | Furnace Brk., River St., Raynham            | 0.13                                       | 0.11              | 0.18 | 0.20 |               |       |                                        | 0.16  |  |
| 17                                            | CHU-01        | Taunton River Br, Church St., Raynham       | 0.38                                       | 0.41              | 0.55 | 0.37 |               |       |                                        | 0.44  |  |
| 18                                            | TWH-01        | Town R., Br, Hayward St., Bridgewater       | 0.18                                       | 0.21              | 0.83 | 0.58 |               |       |                                        | 0.54  |  |
| 19                                            | MAT-01        | Matfield R., Br, High St., Bridgewater      | 0.99                                       | 0.74              | 1.14 | 1.53 |               |       |                                        | 1.14  |  |
| 20                                            | NEM-01        | Nemasket R., Murdock St., Middleboro        | 0.13                                       | 0.27              | 0.34 | 0.34 |               |       |                                        | 0.32  |  |
|                                               |               |                                             |                                            |                   |      |      |               |       |                                        |       |  |
| 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                                      |                   |      | BL 1 |               |       |                                        |       |  |
|                                               | MAT-01        | Matfield R., Br, High St., Bridgewater      | DUP 2                                      |                   |      | BL 2 |               |       |                                        |       |  |
| Sept.                                         | COT-01        | Cotley R., Middleboro Ave, Taunton          | DUP 1                                      |                   |      | BL 1 |               |       |                                        |       |  |
|                                               | MIL-01        | Mill R., Ingell St., Taunton                | DUP 2                                      |                   |      | BL 2 |               |       |                                        |       |  |
| Oct.                                          | NEM-01        | Nemasket R., Murdock St., Middleboro        | DUP 1                                      |                   |      | BL 1 |               |       |                                        |       |  |
|                                               | TMR-02        | Three Mile R. Br, Rt 44, Cohannet St.       | DUP 2                                      |                   |      | BL 2 |               |       |                                        |       |  |

| 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                |         |                                        |                                             | 0.12  |  |
| 2                                                      | TNT-02        | Taunton R. Br, Plain St., Taunton             | 0.032                                        | 0.047                    | 0.066 | 0.081                |         |                                        |                                             | 0.06  |  |
| 3                                                      | BED-01/TNT-03 | Taunton R., Rt 18, Bedford St., Bridgewater   | 0.032                                        | 0.052                    | 0.072 | 0.075                |         |                                        |                                             | 0.07  |  |
| 4                                                      | CHE-01/TNT-04 | Taunton R. Br, Cherry St., Bridgewater        | 0.046                                        | 0.058                    | 0.095 | 0.083                |         |                                        |                                             | 0.08  |  |
| 5                                                      | ASO-01        | Assonet R. Bridge, Rt 79                      | 0.018                                        | 0.044                    | 0.064 | 0.135                |         |                                        |                                             | 0.08  |  |
| 6                                                      | SEG           | Segregansett R. Br, Brook St. Dighton         | 0.016                                        | 0.029                    | 0.057 | 0.088                |         |                                        |                                             | 0.06  |  |
| 7                                                      | BER-01        | Chuckamucksett Brk. Br, Berkley St.           | 0.014                                        | 0.041                    | 0.031 | 0.171                |         |                                        |                                             | 0.08  |  |
| 8                                                      | TMR-01        | Three Mile R. Br, Rt 138, Somerset Ave.       | 0.016                                        | 0.022                    | 0.028 | 0.040                |         |                                        |                                             | 0.03  |  |
| 9                                                      | TMR-02        | Three Mile R. Br, Rt 44, Cohannet St.         | 0.018                                        | 0.022                    | 0.038 | 0.029                |         |                                        |                                             | 0.03  |  |
| 10                                                     | TMR-03        | Three Mile R. Br, Crane St., Norton           | 0.015                                        | 0.021                    | 0.021 | 0.027                |         |                                        |                                             | 0.02  |  |
| 11                                                     | MIL-01        | Mill R., Ingell St., Taunton                  | 0.019                                        | 0.026                    | NR    | 0.073                |         |                                        |                                             | 0.05  |  |
| 12                                                     | MIL-02        | Mill R., Washington St., Taunton              | 0.017                                        | 0.029                    | NR    | 0.023                |         |                                        |                                             | 0.03  |  |
| 13                                                     | MIL-03        | Mill R., Whittendon St., Taunton              | 0.016                                        | 0.028                    | 0.018 | 0.030                |         |                                        |                                             | 0.03  |  |
| 14                                                     | FORGE         | Forge R. Br, Rt 44, Raynham                   | 0.029                                        | 0.072                    | 0.100 | 0.089                |         |                                        |                                             | 0.09  |  |
| 15                                                     | COT-01        | Cotley R., Middleboro Ave, Taunton            | 0.011                                        | 0.019                    | 0.024 | 0.032                |         |                                        |                                             | 0.03  |  |
| 16                                                     | FBR-01        | Furnace Brk., River St., Raynham              | 0.016                                        | 0.044                    | 0.065 | 0.080                |         |                                        |                                             | 0.06  |  |
| 17                                                     | CHU-01        | Taunton River Br, Church St., Raynham         | 0.034                                        | 0.051                    | 0.062 | 0.068                |         |                                        |                                             | 0.06  |  |
| 18                                                     | TWH-01        | Town R., Br, Hayward St., Bridgewater         | 0.034                                        | 0.049                    | 0.156 | 0.106                |         |                                        |                                             | 0.10  |  |
| 19                                                     | MAT-01        | Matfield R., Br, High St., Bridgewater        | 0.048                                        | 0.064                    | 0.080 | 0.068                |         |                                        |                                             | 0.07  |  |
| 20                                                     | NEM-01        | Nemasket R., Murdock St., Middleboro          | 0.019                                        | 0.043                    | 0.051 | 0.046                |         |                                        |                                             | 0.05  |  |
|                                                        |               |                                               |                                              |                          |       |                      |         |                                        |                                             |       |  |
|                                                        |               | <b>Duplicate and Blank Locations by Month</b> |                                              | <b>Duplicate Results</b> |       | <b>Blank Results</b> |         | ** 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 <b>≥ 0.05 mg/l is concern.</b> |       |  |
| 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                                        |                          |       | BL 1                 |         |                                        |                                             |       |  |
|                                                        | MAT-01        | Matfield R., Br, High St., Bridgewater        | DUP 2                                        |                          |       | BL 2                 |         |                                        |                                             |       |  |
| Sept.                                                  | COT-01        | Cotley R., Middleboro Ave, Taunton            | DUP 1                                        |                          |       | BL 1                 |         |                                        |                                             |       |  |
|                                                        | MIL-01        | Mill R., Ingell St., Taunton                  | DUP 2                                        |                          |       | BL 2                 |         |                                        |                                             |       |  |
| Oct.                                                   | NEM-01        | Nemasket R., Murdock St., Middleboro          | DUP 1                                        |                          |       | BL 1                 |         |                                        |                                             |       |  |
|                                                        | TMR-02        | Three Mile R. Br, Rt 44, Cohannet St.         | DUP 2                                        |                          |       | BL 2                 |         |                                        |                                             |       |  |

| 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 July to Sept |
| 1                                                       | TNT-01        | Taunton R. Br, Center St., Berkley (SB Cr. 104) | 36                                                                    | 16                       | 49                   | 52   |                                   |                                          |      |                              |
| 2                                                       | TNT-02        | Taunton R. Br, Plain St., Taunton (SB Cr. 104)  | 38                                                                    | 20                       | 99                   | 75   |                                   |                                          |      |                              |
| 3                                                       | BED-01/TNT-03 | Taunton R., Rt 18, Bedford St., Bridgewater     | 13                                                                    | 29                       | 46                   | 31   |                                   |                                          |      |                              |
| 4                                                       | CHE-01/TNT-04 | Taunton R. Br, Cherry St., Bridgewater          | 21                                                                    | 179                      | 150                  | 156  |                                   |                                          |      |                              |
| 5                                                       | ASO-01        | Assonet R. Bridge, Rt 79                        | 8                                                                     | 38                       | 78                   | 41   |                                   |                                          |      |                              |
| 6                                                       | SEG           | Segregansett R. Br, Brook St. Dighton           | 5                                                                     | 23                       | 579                  | 243  |                                   |                                          |      |                              |
| 7                                                       | BER-01        | Chuckamucksett Brk. Br, Berkley St.             | 40                                                                    | 99                       | 579                  | 75   |                                   |                                          |      |                              |
| 8                                                       | TMR-01        | Three Mile R. Br, Rt 138, Somerset Ave.         | 7                                                                     | 16                       | 138                  | 269  |                                   |                                          |      |                              |
| 9                                                       | TMR-02        | Three Mile R. Br, Rt 44, Cohannet St.           | 15                                                                    | 291                      | 219                  | 246  |                                   |                                          |      |                              |
| 10                                                      | TMR-03        | Three Mile R. Br, Crane St., Norton             | 10                                                                    | 22                       | 394                  | 171  |                                   |                                          |      |                              |
| 11                                                      | MIL-01        | Mill R., Ingell St., Taunton                    | 19                                                                    | 41                       | NR                   | 173  |                                   |                                          |      |                              |
| 12                                                      | MIL-02        | Mill R., Washington St., Taunton                | 16                                                                    | 39                       | NR                   | 292  |                                   |                                          |      |                              |
| 13                                                      | MIL-03        | Mill R., Whittendon St., Taunton                | 11                                                                    | 17                       | 461                  | 327  |                                   |                                          |      |                              |
| 14                                                      | FORGE         | Forge R. Br, Rt 44, Raynham                     | 18                                                                    | 74                       | 299                  | 309  |                                   |                                          |      |                              |
| 15                                                      | COT-01        | Cotley R., Middleboro Ave, Taunton              | 15                                                                    | 172                      | 365                  | 379  |                                   |                                          |      |                              |
| 16                                                      | FBR-01        | Furnace Brk., River St., Raynham                | 15                                                                    | 2420                     | 93                   | 243  |                                   |                                          |      |                              |
| 17                                                      | CHU-01        | Taunton River Br, Church St., Raynham           | 84                                                                    | 42                       | 85                   | 85   |                                   |                                          |      |                              |
| 18                                                      | TWH-01        | Town R., Br, Hayward St., Bridgewater           | 32                                                                    | 1414                     | 101                  | 292  |                                   |                                          |      |                              |
| 19                                                      | MAT-01        | Matfield R., Br, High St., Bridgewater          | 43                                                                    | 37                       | 411                  | 226  |                                   |                                          |      |                              |
| 20                                                      | NEM-01        | Nemasket R., Murdock St., Middleboro            | 3                                                                     | 21                       | 186                  | 41   |                                   |                                          |      |                              |
|                                                         |               |                                                 |                                                                       |                          |                      |      |                                   |                                          |      |                              |
|                                                         |               | <b>Duplicate and Blank Locations by Month</b>   |                                                                       | <b>Duplicate Results</b> | <b>Blank Results</b> |      | ** Geometric Mean for any 90 days |                                          |      |                              |
| April                                                   | COT-01        | Cotley R., Middleboro Ave, Taunton              | DUP 1                                                                 | 26                       |                      | BL 1 | <1                                | shall not exceed 35 CFU/100ml.           |      |                              |
|                                                         | BER-01        | Chuckamucksett Brk. Br, Berkley St.             | DUP 2                                                                 | 41                       |                      | BL 2 | <1                                | No more than 10% of all samples          |      |                              |
| May                                                     | FBR-01        | Furnace Brk., River St., Raynham                | DUP 1                                                                 | 2420                     |                      | BL 1 | 1                                 | collected shall exceed 130 CFU/100ml.    |      |                              |
|                                                         | TMR-02        | Three Mile R. Br, Rt 44, Cohannet St.           | DUP 2                                                                 | 461                      |                      | BL 2 | <1                                | Standard effective 11/12/2021.           |      |                              |
| 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                                | Results reported as <b>2000</b> were     |      |                              |
| July                                                    | BED-01/TNT-03 | Taunton R., Rt 18, Bedford St., Bridgewater     | DUP 1                                                                 | 10                       |                      | BL 1 | <1                                | reported as <b>&gt; 2000</b> colonies by |      |                              |
|                                                         | SEG           | Segregansett R. Br, Brook St. Dighton           | DUP 2                                                                 | 487                      |                      | BL 2 | <1                                | Microbac Lab (max that could be          |      |                              |
| August                                                  | TNT-02        | Taunton R. Br, Plain St., Taunton               | DUP 1                                                                 |                          |                      | BL 1 |                                   | measured). 2000 used to calculate        |      |                              |
|                                                         | MAT-01        | Matfield R., Br, High St., Bridgewater          | DUP 2                                                                 |                          |                      | BL 2 |                                   | the geometric mean.                      |      |                              |
| Sept.                                                   | COT-01        | Cotley R., Middleboro Ave, Taunton              | DUP 1                                                                 |                          |                      | BL 1 |                                   |                                          |      |                              |
|                                                         | MIL-01        | Mill R., Ingell St., Taunton                    | DUP 2                                                                 |                          |                      | BL 2 |                                   |                                          |      |                              |
| Oct.                                                    | NEM-01        | Nemasket R., Murdock St., Middleboro            | DUP 1                                                                 |                          |                      | BL 1 |                                   |                                          |      |                              |
|                                                         | TMR-02        | Three Mile R. Br, Rt 44, Cohannet St.           | DUP 2                                                                 |                          |                      | BL 2 |                                   |                                          |      |                              |

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|                                                                                                                                                                                 |  |  |  |  |                                |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--------------------------------|--|--|--|--|
| Sample Analysis, Collection Method - Standard Operating Procedures (SOP) and Instream Target Values                                                                             |  |  |  |  |                                |  |  |  |  |
| Samples Are Analyzed by:                                                                                                                                                        |  |  |  |  |                                |  |  |  |  |
| Microbac, Dayville, CT                                                                                                                                                          |  |  |  |  | A MassDEP Certified Laboratory |  |  |  |  |
| <a href="https://www.microbac.com/our-laboratories/dayville-connecticut/#services">https://www.microbac.com/our-laboratories/dayville-connecticut/#services</a>                 |  |  |  |  |                                |  |  |  |  |
| Samples Are Collected by Trained TRWA Volunteers Using An SOP Jointly Developed by TRWA and Veolia North America see TRWA website:                                              |  |  |  |  |                                |  |  |  |  |
| <a href="https://savethetaunton.org/water-quality-monitoring/">https://savethetaunton.org/water-quality-monitoring/</a>                                                         |  |  |  |  |                                |  |  |  |  |
| Sampling Locations Map May Be Found At:                                                                                                                                         |  |  |  |  |                                |  |  |  |  |
| <a href="https://www.google.com/maps/d/edit?mid=zhnldTn8bGeU.kyo7mjqZ3YFQ&amp;usp=sharing">https://www.google.com/maps/d/edit?mid=zhnldTn8bGeU.kyo7mjqZ3YFQ&amp;usp=sharing</a> |  |  |  |  |                                |  |  |  |  |
| Water Quality Protection <b>Insteam Target Values:</b>                                                                                                                          |  |  |  |  |                                |  |  |  |  |
| <b>Nitrate</b>                                                                                                                                                                  |  |  |  |  |                                |  |  |  |  |
| Water Quality Target Values for Nitrogen are expressed as <u>Total</u> Nitrogen = <b>Nitrate</b> + Organic Nitrogen + Ammonia + Nitrite                                         |  |  |  |  |                                |  |  |  |  |
| Like most ennironmental groups TRWA measures only <b>Nitrate</b> 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 <u>TN</u> values                                                              |  |  |  |  |                                |  |  |  |  |
| between 0.39 to 0.5 mg/l for estuaries <u>without eel grass</u> 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 <u>only a portion of Total Nitrogen</u> we consider <b>Nitrate values &gt; 0.4 mg/l high for both the tidal</b>                                              |  |  |  |  |                                |  |  |  |  |
| portion of the estuary below Route 24 at the Raynham/Taunton Bridge and above because of transport concerns                                                                     |  |  |  |  |                                |  |  |  |  |
| <b>to the salt waters of the estuary.</b>                                                                                                                                       |  |  |  |  |                                |  |  |  |  |
| <b>Total Phosphorus</b>                                                                                                                                                         |  |  |  |  |                                |  |  |  |  |
| The Water Quality Target Values for <b>Total Phosphorus are 0.100 mg/l for freshwaters</b> 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 <b>average TP greater than 0.05 mg/l</b> a value for concern in addition to <b>single month samples &gt; 0.100 mg/l.</b>                                              |  |  |  |  |                                |  |  |  |  |
| <b>Bacteria - Enterococci</b>                                                                                                                                                   |  |  |  |  |                                |  |  |  |  |
| The Water Quality Target Value used for <b>enterococci is 35 colony-forming units (CFU) per 100 ml as a geometric mean for any 90 day</b>                                       |  |  |  |  |                                |  |  |  |  |
| 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.                                                                                        |  |  |  |  |                                |  |  |  |  |