

| Site ID | Site Description | Town | Latitude (DMS) | Longitude | Water Sample Volunteer Needed | July 19th e-coli MPN/100 mL | Lab e-Coli | July 19 DO | Lab DO | pH | Lab pH | Water Level | Water Odor | Water Color | Observed Use | Monitor Comments, (Bold = Action Item) | Monitor Name | Monitor Meas Water Temp | | | | | | | | |
|------------------------------|---|--------------------------|----------------------|--------------------------|-------------------------------|-----------------------------|---|------------|------------|------|--------|-------------|------------|-------------|----------------|--|---|-------------------------|---|--|--|--|--|--|--|--|
| Souhegan River Sites | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Billy Ward Pond 1 | BWP, #1 | Ashburnham | 42° 40' 55.8114N | 71° 52' 42.3474"W | | 36 | Nashua | 6.60 | Milford | - | - | Low | None | Clear | - | - | David Ward | 22.0 | | | | | | | | |
| Billy Ward Pond 2 | BWP, #2 | Ashburnham | 42° 40' 40.836"N | 71° 53' 0.4194" W | | 20 | Nashua | 7.32 | Milford | - | - | Ave | None | Clear | - | - | David Ward | 24.0 | | | | | | | | |
| SoR 333 | River Road above Water Loom Pond | New Ipswich | 42 44' 25.21N | 71 50' 39.92W | | 13 | Merrimack | 7.05 | Milford | - | - | Ave | None | - | - | - | John Blaine | 24.0 | | | | | | | | |
| SoR 320 | Highbridge, | New Ipswich | 42 45' 5.54N | 71 49' 41.41W | | 235 | Merrimack | 7.77 | Milford | - | - | Low | None | Clear | - | - | Doug Waitt | 22.0 | | | | | | | | |
| SoR 309 | Above Greenville Mill Pond | Greenville | 42 45' 51.12N | 71 49' 21.53W | | 360 | Nashua | 7.84 | Milford | - | - | - | - | - | - | - | - | - | | | | | | | | |
| SoR 296 | Downtown Greenville upstream of WWTP | Greenville | 42 46' 12.84N | 71 48' 28.74W | | 132 | Nashua | 7.78 | Milford | - | - | Very low | None | Tea | Fishing | oil sheen, small patch | Dixie Blease | 22.0 | | | | | | | | |
| SoR 291 | Green Bridge off Rte 31 below Greenville | Greenville | 42 46' 35.19N | 71 48' 24.91W | | 649 | Nashua | 7.96 | Milford | - | - | Very low | None | Tea | Fishing | - | Dixie Blease | 21.0 | | | | | | | | |
| SoR 212 | Riverwalk (North side of Stony Brook) | Wilton | 42 50' 43.224" N, | 71 44' 24.072" W | | 344 | Milford | 7.47 | Milford | - | - | - | - | - | - | - | Patrick Jackson | - | | | | | | | | |
| SoR 218 | Below the Horseshoe, (on the Souhegan south branch) | Wilton | 42 50' 30.516"N | 71 44' 46.6074" W | | 238 | Nashua | - | - | - | - | Very low | None | Clear | Fishing, Boati | - | Curt Schnare | 19.0 | | | | | | | | |
| SoR 218-A | Below the Horseshoe, (on the Souhegan south branch) same site sampled twice | Wilton | | | | 275 | Nashua | - | - | - | - | Low | None | Clear | - | -skunk smell, crab claws, | Sammie Beck | 21.0 | | | | | | | | |
| SoR 210 | Downtown Wilton, Mill Dam | Wilton | 42 50' 26.81N | 71 44' 6.28W | | 1793 | Nashua | 8.61 | Milford | - | - | Very low | None | Clear | - | very low, heron sighting | Patrick Jackson | 22.0 | | | | | | | | |
| SoR 201 | Pine Valley Mill, | West Milford | 42 50' 30.65N | 71 43' 14.89W | | 387 | Nashua | 8.11 | Milford | - | - | Low | Musky | Tea | - | - | John Nevin | 21.0 | | | | | | | | |
| SoR 170 | Behind Hayward Field | West Milford | 42 50' 47.99N | 71 40' 33.55W | | 410 | Merrimack | 7.01 | Milford | - | - | - | - | - | - | - | - | - | | | | | | | | |
| SoR 155 | Souhegan Valley Boys and Girls Club | Milford | 42 50' 13.45N | 71 39' 6.06W | | 366 | Merrimack | 7.00 | Milford | - | - | Low | None | Clear | Other | plastic water bottles | Celeste Barr | 22.0 | | | | | | | | |
| SoR 146 | Swing Bridge | Milford | 42 50' 9.97N | 71 38' 45.57W | monitor needed | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | |
| SoR 133 | Riverside Cemetery | Milford | 42 49' 43.13N | 71 37' 34.87W | monitor needed | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | |
| SoR 130 | Behind Lorden Plaza | Milford | 42 49' 34.31N | 71 37' 19.58W | | 547 | Milford | 6.15 | Milford | - | - | - | - | - | - | - | - | - | | | | | | | | |
| SoR 122 | Amherst Country Club | Amherst | 42 49' 45.10N | 71 36' 37.29W | | 365 | Milford | 6.19 | Milford | - | - | - | - | - | - | - | - | - | | | | | | | | |
| SoR 095 | Boston Post Road Canoeport, | Amherst | 42 49' 37.77N | 71 35' 7.02W | | 770 | Milford | 6.15 | Milford | - | - | - | - | - | - | - | - | - | | | | | | | | |
| SoR 070 | Seaverns Bridge | Amherst | 42 50' 11" N | 71 33' 37" W | | 410 | Merrimack | 5.78 | Milford | - | - | Very low | None | Clear | - | - | Colin Atkinson | 21.0 | | | | | | | | |
| SoR 057 | Indian Ledges | Merrimack | 42 51' 6.23N | 71 32' 54.40W | | 225 | Merrimack | 7.75 | Milford | - | - | Ave | None | Clear | - | saw heron | Colin Atkinson | 21.5 | | | | | | | | |
| SoR 034 | Turkey Hill Bridge, | Merrimack | 42 51' 32.66N | 71 31' 22.72W | | 201 | Merrimack | - | - | - | - | Ave | None | Clear | - | DPD improved path to water, | Eric Doberstein | 22.0 | | | | | | | | |
| SoR 015 | Wildcat Falls | Merrimack | | | | 86 | Merrimack | - | - | - | - | - | - | - | - | -pollen, sediment on surface | Michael Cason | 22.8 | | | | | | | | |
| SoR 005 | West Chamberlain Rd, | Merrimack | 42 51' 22.78N | 71 29' 59.38W | monitor needed | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | |
| Beaver Brook Sites | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BeB 750 | Beaver Brook, exit Great Meadow | Amherst | 42.86704 | 71.63099 | | 770 | Merrimack | 3.63 | Milford | - | - | Low | None | Tea | - | -oil slick near parking lot runc | Eric Doberstein | 21.0 | | | | | | | | |
| BeB 740 | Beaver Brook, Manchester St Bridge | Amherst | 42.86639 | 71.62339 | | 579 | Merrimack | - | - | - | - | - | - | - | - | - | Daryl D'Angelo | - | | | | | | | | |
| BeB 700 | Beaver Brook, joins Souhegan River (previously SoR 116) | Amherst | 72.83146 | 72.83146 | | 397 | Milford | - | - | - | - | - | - | - | - | - | Daryl D'Angelo | - | | | | | | | | |
| Purgatory Brook Sites | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Purgatory Brook, | Lyndeborough/Mont Vernon | | | monitor needed | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Merrimack River Sites | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mer 600 | Above Amoskeag Dam, | Manchester | 42 58' 27.79N | 71 28' 22.53"W | | 40 | Manchester | 7.33 | Manchester | - | - | - | - | - | - | - | - | Lyliis,Charles | - | | | | | | | |
| Mer 590 | Arms Park | Manchester | 42 58' 23.45"N | 71 28' 21.52"W | | 142 | Manchester | 7.71 | Manchester | - | - | - | - | - | - | - | - | Lyliis,Charles | - | | | | | | | |
| Mer 570 | Goffs Falls | Litchfield | 42 56' 11.05"N | 71 27' 23.55"W | | 548 | Manchester | 6.99 | Manchester | - | - | - | - | - | - | - | - | Lyliis,Charles | - | | | | | | | |
| Mer 560 | Depot Street | Merrimack | 42 53' 3.89"N | 71 28' 7.80"W | | 248 | Merrimack | - | - | - | - | Low | None | Clear | - | I fell in | Richard Widhu | 25.0 | | | | | | | | |
| Mer 540 | Sklar Waterfront Park, (Thortons Ferry) | Merrimack | 42 50' 35.09"N | 71 29' 01"W | | 166 | Merrimack | - | - | - | - | Low | None | Clear | - | - | Richard Widhu | 25.0 | | | | | | | | |
| Mer 530 | Greeley Park, Boat Ramp | Nashua | 42 47' 8.50"N | 71 27' 28.06"W | | 24 | Nashua | 5.80 | Merrimack | - | - | Low | None | Clear | Other | dog in water, oil slick, 5 ramp | Ellen Kolb | 25.0 | | | | | | | | |
| Mer 520 | Taylor's Falls Bridge | Nashua | 42 45' 43.16"N | 71 26' 40.68"W | | 46 | Nashua | 7.43 | Nashua | 7.59 | - | Low | None | Tea | - | - | Jane & Chip Hemming | 25.0 | | | | | | | | |
| Mer 510 | Sagamore Bridge | Hudson | 42 42' 1.24"N | 71 26' 16.25"W | | 36 | Nashua | 7.59 | Nashua | 7.65 | - | Low | None | Tea | Fishing, Boati | - | Jane & Chip Hemming | 20.0 | | | | | | | | |
| Mer 490 | Upstream of Tyngsboro Bridge | Tyngsboro | 42 40' 39.11"N | 71 25' 14.19"W | | 20 | Nashua | 8.08 | Nashua | 7.67 | - | Ave | None | Clear | - | - | Paul Husted | 23.0 | | | | | | | | |
| | | | location data needed | | sample taker needed | clean < 88 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | concerning | | | | | | | | | | | | | | | | | | | | |
| | | | | | | unacceptable | | | | | | | | | | | | | | | | | | | | |
| | | | | | | dangerous | | | | | | | | | | | | | | | | | | | | |
| | Precipitation: We've had very little rain in this July. Before the sampling morning, 0.4 " of rain fell the afternoon and evening. Normally we receive about 4" of rain in the whole month of July. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Souhegan River Temps on 7/19/2022, ~ Water Monitor measured ranged from 66 to 78 Celcius, (66 to 78 F) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Merrimack River Temps on 7/19/2022, ~ Water Monitor measured temps ranged from 23 to 25 Celcius, (73 to 77 F) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 8:00 AM official water Temp | | | | | | | | | | | | | | | | | | | | |
| | Stream Rates USGS Data, in Ft3/sec 8:00AM | 7/19/2022 | 7/19/2021 | Historical Median | Median History Range | | | | | | | | | | | | | | | | | | | | | |
| | Upper Soehegan (west Milford near Wilton) WLR-1 | 17 | 1,080 | 28 | ~30 yrs | 22.0 C | https://waterdata.usgs.gov/monitoring-location/01093852/#parameterCode=00060&period=P7D&compare=true | | | | | | | | | | https://www.epa.gov/caddis-vol2/ph | | | | | | | | | |
| | Lower Soehegan (east Merrimack, Wildcat Falls) | 22 | 1,660 | 60 | ~100 yrs | | https://waterdata.usgs.gov/monitoring-location/01094000/#parameterCode=00060&period=P30D&compare=true | | | | | | | | | | | | | | | | | | | |
| | Merrimack River (Goffs Falls, near Manchester) | 2,050 | 14,700 | 18,000 | ~ 84 yrs | | https://waterdata.usgs.gov/monitoring-location/01092000/#parameterCode=00060&period=P7D&compare=true | | | | | | | | | | | | | | | | | | | |

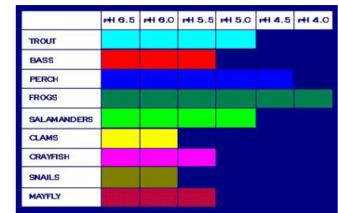


Figure 6. This table illustrates pH values that can be tolerated by different species.