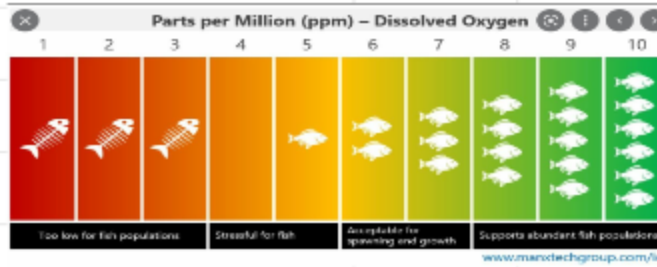


| Site ID | Site Description | Site Town | Monitor Name | E-coli MPN/100mL | DO | pH |
|------------------------------|---|------------|------------------|------------------|------|-----|
| Souhegan River Sites | | | | | | |
| BWP, #1 | Billy Ward Pond 1 (south branch of Souhegan pond dam outflow) | Ashburnham | Dave Ward | waiting | - | - |
| BWP, #2 | Billy Ward Pond 2 (south branch of Souhegan near origin) | Ashburnham | Dave Ward | waiting | - | - |
| SoR 210 | Downtown Wilton, Mill Dam | Wilton | Nikki Andrews | 89 | 9.15 | 7.1 |
| SoR 122 | 122 Canoe Port, (middle of Amherst) | Amherst | Eric Doberstein | 547 | 8.74 | 7.0 |
| SoR 001 | Watson Park (wading area near confluence of Souhegan & Merrimack) | Merrimack | John Debellis | 2419 | 9.01 | 7.2 |
| Merrimack River Sites | | | | | | |
| Mer 600 | Merrimack River near downstream of Amoskeg Dam | Manchester | Gary Gagne | 425 | 8.30 | 7.2 |
| Mer 570 | Goffs Falls (south edge of Manchester, after CSO inflow) | Litchfield | Gary Gagne | 920 | 8.25 | 7.2 |
| Mer 530 | Greeley Park, Boat Ramp (north of Manch) | Nashua | Ellen Kolb | 25 | 8.10 | 6.9 |
| Mer 510 | Sagamore Bridge, Nashua | Nashua | J & C Hemmingsen | 32 | 8.18 | 6.9 |
| Wasserman Park | | | | | | |
| Dock | | Merrimack | Merrimack WTL | 4 | | |
| Beach | | Merrimack | Merrimack WTL | 4 | | |



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



| | |
|-------------|--|
| 0 - 88 | Max Acceptable Level for Swimming (NHDES spec) |
| <126 | Max Acceptable Level for Swimming (Federal EPA spec) |
| > 126 < 406 | Safe for non swimming recreational contact. |
| > 406 | Unsafe for recreational contact (NHDES spec) |

| Weather the preceding days before monitoring | August 6 | August 7 | August 8 | Total for month to date | Historic Median for mtd |
|--|--------------------------------|-----------------------|----------------------|-------------------------|-------------------------|
| | 72>48 hrs before test (inches) | 48>24 hrs before test | 24>0 hrs before test | | |
| Rainfall | - | - | - | | |
| Average Daily Air Temperature | - | - | - | | |
| Ave River Water Temperature at 8:00 AM | - | - | - | | |

| Stream Rates USGS Data, in cft/s 8:00AM (cubic feet per second) | 8/8/2023 | 8/8/2022 | Historical Median Flow for this date | 8:00 AM USGS water temp F/C degrees | Median History Range |
|---|----------|----------|--------------------------------------|-------------------------------------|----------------------|
| Upper Soehegan (west Milford near Wilton) WLR-1 | 69 | 7 | 28 | 69 / 20.4 | ~17yrs |
| Lower Soehegan (east Merrimack, Wildcat Falls) | 144 | 14 | 45 | unavail | ~88yrs |
| Merrimack River (Goffs Falls, near Manchester) | 5,070 | 1,040 | 1,800 | unavail | ~88 yrs |

120 ft3/s flow at Wildcat Falls is about the minimum flow needed to float a boat from the Kaley Park launch to Severns Bridge pull-out without any bottom dragging.

| Source Web Sites | |
|------------------|---|
| River Flows | Souhegan River (Site WLR-1) Near Milford, NH - 01093852 https://www.ncei.noaa.gov/access/past-weather/03031 |
| River Flows | Souhegan River at Merrimack, NH - 01094000 |
| River Flows | Merrimack R.NR Goffs Falls, Below Manchester, NH - 01092000 |
| Weather | |
| Manch History | https://www.wunderground.com/history/daily/us/nh/amherst/KNHAMHER21/date/2022-8-1 |
| County History | https://www.weather.gov/nerfc/E5SJUL river level history |
| Bore Field Rain | https://www.weather.gov/nerfc/WeeklyPrecipArchive best rainfall history |
| | https://www.weather.gov/nerfc/WeeklyPrecipArchive |
| | https://www.weather.gov/nerfc/WeeklyPrecipArchive |
| | https://www.weather.gov/nerfc/WeeklyPrecipArchive |
| Ave Daily Temp | https://www.almanac.com/weather/history/zipcode/03031 www.epa.gov/caddis-vol2/ph |