

Site ID	Site Description	Site Town	Monitor Name	E-coli MPN/100mL	DO	pH
<b>Souhegan River Sites</b>						
BWP, #1	Billy Ward Pond 1 (south branch of Souhegan pond dam outflow)	Ashburnham	Dave Ward	12	-	-
BWP, #2	Billy Ward Pond 2 (south branch of Souhegan near origin)	Ashburnham	Dave Ward	5	-	-
SoR 210	Downtown Wilton, Mill Dam	Wilton	Nikki Andrews	55	9.05	7.4
SoR 122	122 Canoe Port, (Amherst CC)	Amherst	Eric Doberstein	153	8.46	7.4
SoR 001	Watson Park. (wading area near confluence of Souhegan & Merrimack)	Merrimack	John Debellis	-	-	-
<b>Merrimack River Sites</b>						
Mer 600	Merrimack River near downstream of Amoskeg Dam	Manchester	Gary Gagne	21	8.15	7.0
Mer 570	Goffs Falls (south edge of Manchester, after CSO inflow)	Litchfield	Gary Gagne	31	8.19	7.0
Mer 530	Greeley Park, Boat Ramp (north of Manch)	Nashua	Ellen Kolb	30	-	7.0
Mer 520	Taylor's Falls Bridge (Nashua)	Nashua	J & C Hemmingsen	83.3	-	7.1
Mer 510	Sagamore Bridge (NH-MA boundry)	Hudson		-	-	-
<b>Wasserman Park</b>						
Dock		Merrimack	Merrimack WTL	2		
Beach		Merrimack	Merrimack WTL	6		

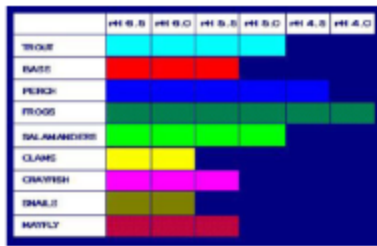
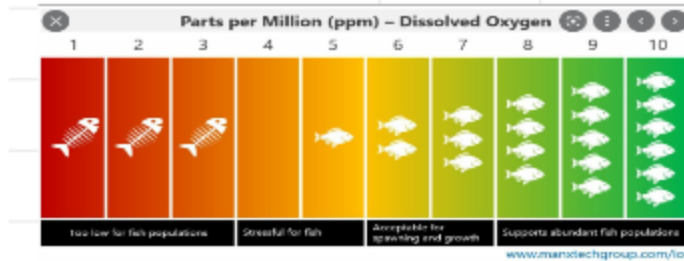


Figure 6. This table illustrates pH values that can be tolerated by different species.



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**

	July 23	July 24	July 25	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	0.02	0.00	0.15		
Average Daily Air Temperature	70.6	72.2	72.9		
Ave River Water Temperature at 8:00 AM	67.3 / 19.6	68 / 20	69 / 20.4		

**Stream Rates USGS Data, in cft/s 8:00AM (cubic feet per second)**

	7/25/2023	7/25/2022	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	179	12	36	69 / 20.4	~17yrs
Lower Soehegan (east Merrimack, Wildcat Falls)	284	29	50	unavail	~88yrs
Merrimack River (Goffs Falls, near Manchester)	6,730	944	1,780	unavail	~ 88 yrs

120 ft<sup>3</sup>/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	<a href="https://www.ncei.noaa.gov/access/past-weather/03031">Souhegan River (Site WLR-1) Near Milford, NH - 01093852</a>	<a href="https://www.ncei.noaa.gov/access/past-weather/03031">https://www.ncei.noaa.gov/access/past-weather/03031</a>
River Flows	<a href="https://www.ncei.noaa.gov/access/past-weather/01094000">Souhegan River at Merrimack, NH - 01094000</a>	
River Flows	<a href="https://www.ncei.noaa.gov/access/past-weather/01092000">Merrimack R.NR Goffs Falls, Below Manchester, NH - 01092000</a>	
<b>Weather</b>		
Manch History	<a href="https://www.wunderground.com/history/daily/us/nh/amherst/KNHAM/HER21/date/2022-8-1">https://www.wunderground.com/history/daily/us/nh/amherst/KNHAM/HER21/date/2022-8-1</a>	
County History	<a href="https://www.weather.gov/nerfc/ESSJUL">https://www.weather.gov/nerfc/ESSJUL</a>	river level history
Bore Field Rain	<a href="https://weatherspark.com/h/147269/2023/6/25/historical-weather-on-Sunday-June-25-2023-at-Boire-Field-New-Hampshire-United-States#Figures-PrecipitationProbability">https://weatherspark.com/h/147269/2023/6/25/historical-weather-on-Sunday-June-25-2023-at-Boire-Field-New-Hampshire-United-States#Figures-PrecipitationProbability</a>	
	<a href="https://www.weather.gov/akq/rainfall-monitoring">https://www.weather.gov/akq/rainfall-monitoring</a>	
	<a href="https://www.weather.gov/nerfc/WeeklyPrecipArchive">https://www.weather.gov/nerfc/WeeklyPrecipArchive</a>	best rainfall history
	<a href="https://weatherspark.com/h/147269/2023/1/historical-weather-summer-2023-at-Boire-Field-New-Hampshire-United-States#Sections-Precipitation">https://weatherspark.com/h/147269/2023/1/historical-weather-summer-2023-at-Boire-Field-New-Hampshire-United-States#Sections-Precipitation</a>	
Ave Daily Temp	<a href="https://www.almanac.com/weather/history/zipcode/03031">https://www.almanac.com/weather/history/zipcode/03031</a>	<a href="http://www.epa.gov/caddis-vol2/ph">www.epa.gov/caddis-vol2/ph</a>