

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	-	-	-
BWP, #2	Billy Ward Pond 2 (south branch of Souhegan near origin)	Ashburnham	Dave Ward	-	-	-
SoR 210	Downtown Wilton, Mill Dam	Wilton	Nikki Andrews	273	8.91	7.1
SoR 122	Rt 122 Canoeport, (Amherst Country Club)	Amherst	George May	236	8.85	6.9
SoR 001	Watson Park	Merrimack	John Debellis	101	-	-
<b>Merrimack River Sites</b>						
Mer 600	Merrimack River near downstream of Amoskeg Dam	Manchester	Gary Gagne	61	-	-
Mer 570	Goffs Falls (south edge of Manchester, after CSO inflow)	Litchfield	Gary Gagne	48	-	-
Mer 530	Greeley Park, Boat Ramp (north of Manch)	Nashua	Ellen Kolb	45	8.42	7.0
Mer 510	Sagamore Bridge, Nashua	Nashua	J & C Hemmingsen	-	8.85	7.1
<b>Wasserman Park</b>						
Dock		Merrimack	Merrimack WTL	-		
Beach		Merrimack	Merrimack WTL	-		

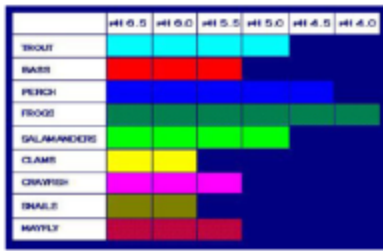
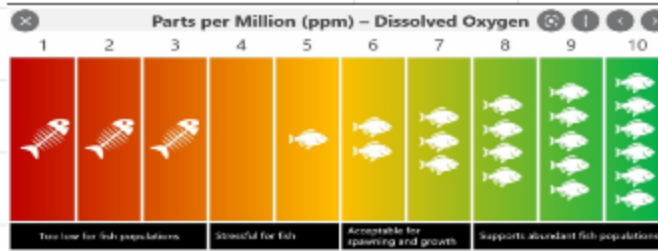


Figure 6. This table illustrates pH values that can be tolerated by different species.



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	September 3	September 4	September 5	Total for month to date	Historic Median the month
Rainfall	72>48 hrs before test (inches)	48>24 hrs before test	24>0 hrs before test	0.02	-
Average Daily Air Temperature	75.0	76.0	80.0	0.02	-
River Water Temperature at 8:00 AM (Site Milford-Wilton WLR-1)	18.6 / 65.5	19.8 / 68	19.9 / 68		

Stream Rates USGS Data, in cft/s 8:00AM (cubic feet per second)	9/5/2023	9/5/2022	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	37	11	25	20.7 / 69.3	~17yrs
Lower Soehegan (east Merrimack, Wildcat Falls)	104	12	38	unavail	~88yrs
Merrimack River (Goffs Falls, near Manchester)	2,890	862	1,410	unavail	~ 86 yrs

100 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	<a href="https://www.weather.gov/wrh/Climate?wfo=gxx">https://www.weather.gov/wrh/Climate?wfo=gxx</a> good site for temperature history
River Flows	<a href="https://www.ncei.noaa.gov/access/past-weather/03031">https://www.ncei.noaa.gov/access/past-weather/03031</a> river level history
River Flows	<a href="https://www.weather.gov/wrh/Climate?wfo=gxx">https://www.weather.gov/wrh/Climate?wfo=gxx</a> best rainfall history
Weather	<a href="https://www.ncei.noaa.gov/access/services/data/v1?dataset=daily-summaries&amp;startDate=2023-08-01&amp;endDate=">https://www.ncei.noaa.gov/access/services/data/v1?dataset=daily-summaries&amp;startDate=2023-08-01&amp;endDate="</a>
Manch History	<a href="https://www.wunderground.com/history/daily/us/nh/amherst/KNHAMHER21/date/2022-8-1">https://www.wunderground.com/history/daily/us/nh/amherst/KNHAMHER21/date/2022-8-1</a>
County History	<a href="https://www.weather.gov/nerfc/ESSJUL">https://www.weather.gov/nerfc/ESSJUL</a>
Bore Field Rain	<a href="https://weatherspark.com/h/147269/2023/8/25/Historical-Weather-on-Sunday-June-25-2023-at-Boire-Field-New-Hampshire-United-States#Figures-PrecipitationProbability">https://weatherspark.com/h/147269/2023/8/25/Historical-Weather-on-Sunday-June-25-2023-at-Boire-Field-New-Hampshire-United-States#Figures-PrecipitationProbability</a>
	<a href="https://www.weather.gov/nerfc/WeeklyPrecipArchive">https://www.weather.gov/nerfc/WeeklyPrecipArchive</a> good site for precipitation 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>
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