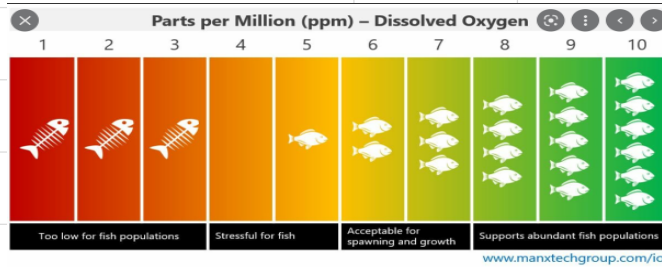


Site ID	Site Description	Site Town	Monitor Name	E-coli MPN/100mL	DO	pH
Souhegan River Sites						
BWP, #1	Billy Ward Pond 1 (south branch of Souhegan pond dam outflow)	Ashburnham	Dave Ward	-	-	-
BWP, #2	Billy Ward Pond 2 (south branch of Souhegan near origin)	Ashburnham	Dave Ward	-	-	-
SoR 210	Downtown Wilton, Mill Dam	Wilton	Nikki Andrews	56	9.38	7.5
SoR 122	Rt 122 Canoeport, (Amherst Country Club)	Amherst	George May	345	8.61	7.3
SoR 001	Watson Park (sample from 8-29-2023)	Merrimack	John Debellis	117	8.99	7.3
Merrimack River Sites						
Mer 600	Merrimack River near downstream of Amoskeg Dam	Manchester	Gary Gagne	18	8.72	7.1
Mer 570	Goffs Falls (south edge of Manchester, after CSO inflow)	Litchfield	Gary Gagne	43	8.66	7.3
Mer 530	Greeley Park, Boat Ramp (north of Manch)	Nashua	Ellen Kolb	32	8.39	7.1
Mer 510	Sagamore Bridge, Nashua	Nashua	J & C Hemmingsen	62	8.61	7.1
Wasserman Park						
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	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	0.00	0.00	0.00	2.2	same
Average Daily Air Temperature	64.0	70.0	74.0		71.6
Ave River Water Temperature at 8:00 AM (Site Milford-Wilton WLR-1)	17.7 / 64	19.3 / 67	19.9 / 68		

Stream Rates USGS Data, in cft/s 8:00AM (cubic feet per second)	8/22/2023	8/22/2022	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	54	18	24	69 / 20.4	~17yrs
Lower Soehegan (east Merrimack, Wildcat Falls)	112	10	42	unavail	~88yrs
Merrimack River (Goffs Falls, near Manchester)	4,800	900	1,570	unavail	~ 86 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	https://www.weather.gov/wrh/Climate?wfo=gyx	
River Flows	https://www.ncei.noaa.gov/access/past-weather/03031	river level history
River Flows	https://www.ncei.noaa.gov/access/services/data/v1?dataset=daily-summaries&startDate=2023-08-01&endDate="	best rainfall history
Manch History	https://www.wunderground.com/history/daily/us/nh/amherst/KNHAMHER21/date/2022-8-1	
County History	https://www.weather.gov/nerfc/ESSJUL	
Bore Field Rain	https://weatherspark.com/h/d/147269/2023/6/25/Historical-Weather-on-Sunday-June-25-2023-at-Boire-Field-New-Hampshire-United-States#Figures-PrecipitationProbability	
	https://www.weather.gov/nerfc/WeeklyPrecipArchive	
	https://weatherspark.com/h/s/147269/2023/1/Historical-Weather-Summer-2023-at-Boire-Field-New-Hampshire-United-States#Sections-Precipitation	
Ave Daily Temp	https://www.weather.gov/wrh/Climate?wfo=gyx	www.epa.gov/caddis-vol2/ph