

2024-06-25 Souhegan & Merrimack River Water Monitoring Results

Site ID	Site Description	Site Town	Monitor Name	E-coli MPN/100mL	DO	pH
South Branch Upper Souhegan River Sample 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 333	River Road above Water Loom Pond	New Ipswich	John Blaine	12	6.50	6.6
SoR 320	Highbridge	New Ipswich	Doug Waitt	57	8.08	7.1
SoR 291	Green Bridge off Rte 31 below Greenville	Greenville	Dixie Blease	86	8.35	7.2
Lower Souhegan Samples Sites						
SoR 155	Souhegan Valley Boys and Girls Club (Mid Milford before Dam)	Milford	Celeste Barr	167	7.45	6.8
SoR 122	Rt 122 Canoeport, (Amherst Country Club, upstream of Beaver Brook)	Amherst	Carol Linder	276	7.79	7.0
SoR 095	Boston Post Road Canoeport, (mid Amherst section, downstream Beaver Brook)	Amherst	Daryl D'Angelo	231	7.20	6.8
SoR 070	Seaverns Bridge (end of Amherst section, downstream Beaver Brook)	Amherst	Eric Doberstein	326	7.13	6.8
SoR 001	Watson Park (exit of Souhegan before Merrimack River)	Merrimack	Eric Doberstein	108	8.47	7.3
Merrimack River Sites						
Mer 570	Goffs Falls (downstream of Manchester, downstream of CSO inflows)	Litchfield	Gary Gagne	152	8.02	7.3
Mer 560	Depot Street (near the Upstream border btwn towns Merrimack and Bedford)	Merrimack	Dick Widhu	1733	7.92	7.3
Mer 540	Sklar Waterfront Park, (mid Merrimack urban, downstream Souhegan River)	Merrimack	J & C Hemmingsen	866	7.46	7.2
Mer 530	Greeley Park, Boat Ramp (upstream of Nashua urban)	Nashua	Eric Doberstein	291	7.85	7.1
Mer 510	Sagamore Bridge, Nashua	Nashua	J & C Hemmingsen	2420	7.80	7.2
Wasserman Park						
Dock		Merrimack	Merrimack WTL	2	-	-
Beach		Merrimack	Merrimack WTL	4	-	-
Horseshoe Pond						
Mackey Beach		Merrimack	Merrimack WTL	44	-	-
IDA Beach		Merrimack	Merrimack WTL	46	-	-

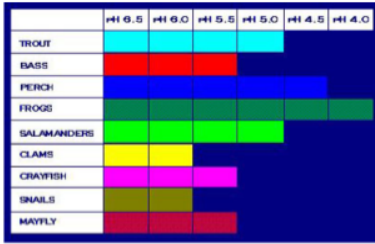
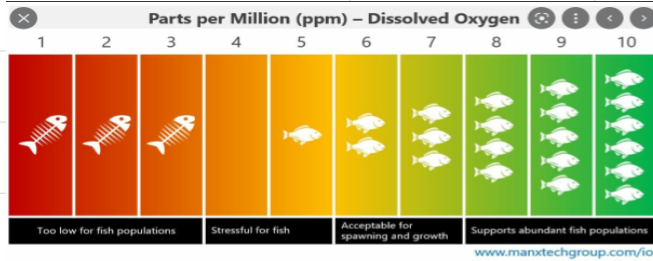


Figure 6. This table illustrates pH values that can be tolerated by different species.



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)

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 significant bottom dragging.