

2024-08-20 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	9	6.36	6.8
SoR 320	Highbridge	New Ipswich	Doug Waitt	31	8.34	7.3
SoR 291	Green Bridge off Rte 31 below Greenville	Greenville	Dixie Blease	291	8.87	7.2
Lower Souhegan Samples Sites						
SoR 155	Souhegan Valley Boys and Girls Club (Mid Milford before Dam)	Milford	Celeste Barr	727	7.52	6.8
SoR 122	Rt 122 Canoeport, Amherst Country Club, (upstream of Beaver Brook)	Amherst	Carol Linder	770	6.36	6.5
Beaver Brook, tributary to Souhegan in Amherst						
BeB 750	Great Meadow Outlet, upstream of the Bost Post Rd Bridge	Amherst	Eric Doberstein	2420	4.03	6.5
BeB 740	Downstream Manchester St Bridge (values greater than 2400 is not measurable)	Amherst	Eric Doberstein	2420	5.45	7.0
Lower Souhegan Samples Sites downstream from Beaver Brook inflow						
SoR 095	Boston Post Road Canoeport, (mid Amherst section, downstream Beaver Brook)	Amherst	Daryl D'Angelo	1733	-	7.0
SoR 070	Seaverns Bridge (end of Amherst section, downstream Beaver Brook)	Amherst	Eric Doberstein	(skipped for BeB sites)		
SoR 001	Watson Park (exit of Souhegan before Merrimack River)	Merrimack	Eric Doberstein	(skipped for BeB sites)		
Baboosic Brook, Tributary to Souhegan slightly upstream of Souhegan inflow to the Merrim						
BaB 005	Baboosic Brook, Twin Bridges Park, near DW HWY (just before Merrimack)	Merrimack	Eric Doberstein	(skipped for BeB sites)		
Merrimack River Sites, Upstream from Souhegan						
Mer 570	Goffs Falls (downstream of Manchester, downstream of CSO inflows)	Litchfield	Gary Gagne	2420	7.75	7.0
Mer 560	Depot Street (near the Upstream border btwn towns Merrimack and Bedford)	Merrimack	Dick Widhu	2420	7.61	7.1
Merrimack River Sites, Downstream of Souhegan						
Mer 540	Sklar Waterfront Park, (mid Merrimack urban, downstream Souhegan River)	Merrimack	J & C Hemmingsen	435	7.53	6.8
Mer 530	Greeley Park, Boat Ramp (upstream of Nashua urban)	Nashua	Ellen Kolb	248	7.98	6.9
Mer 510	Sagamore Bridge, Nashua	Nashua	J & C Hemmingsen	77	7.53	6.9
Wasserman Park						
Dock		Merrimack	Merrimack WTL	29	-	-
Beach		Merrimack	Merrimack WTL	15	-	-
Horseshoe Pond						
Mackey Beach		Merrimack	Merrimack WTL	69	-	-
IDA Beach		Merrimack	Merrimack WTL	12	-	-

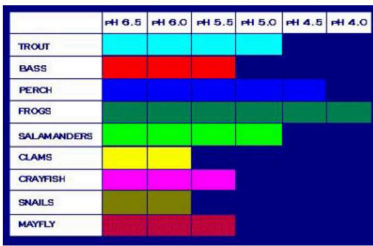
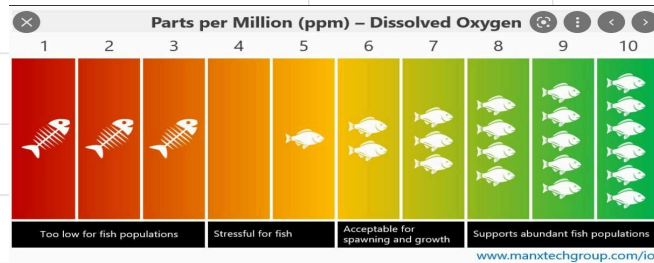


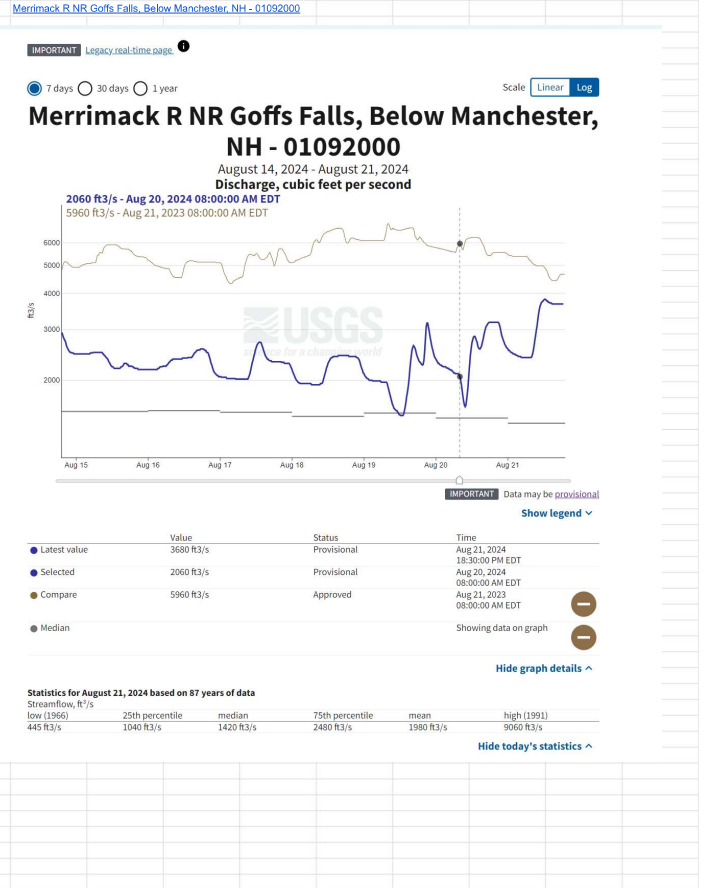
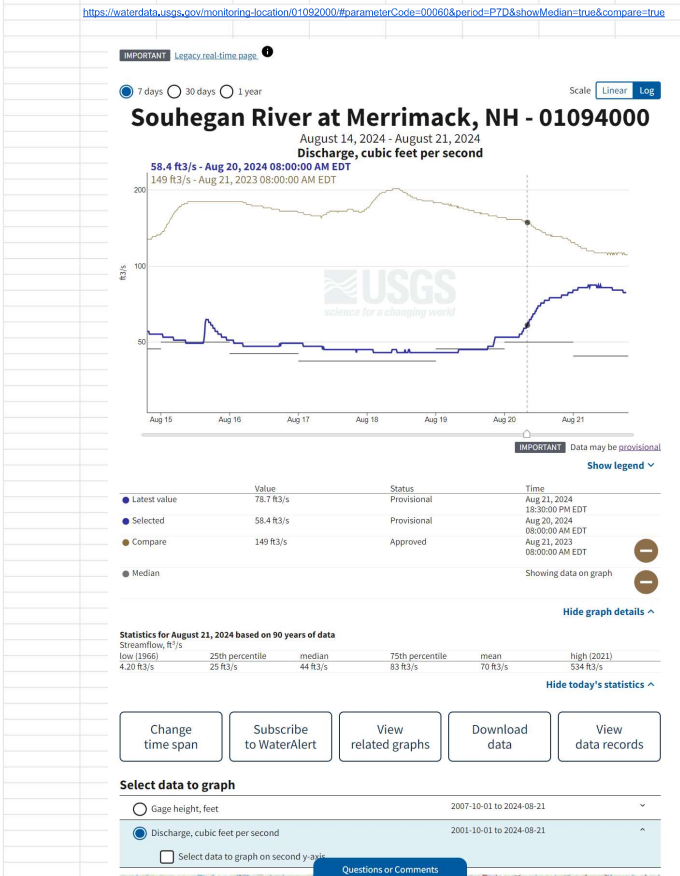
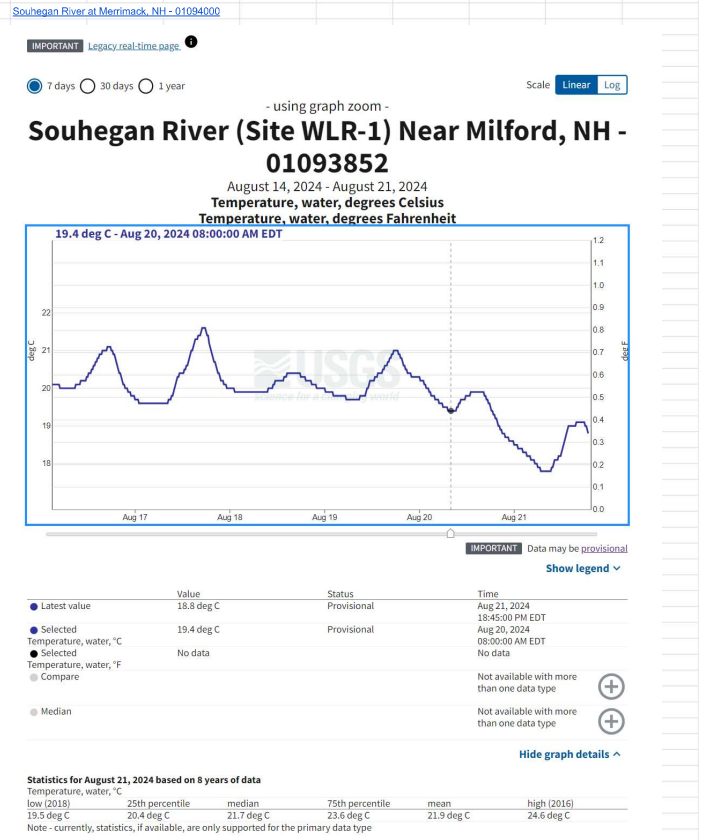
Figure 6. This table illustrates pH values that can be tolerated by different species.



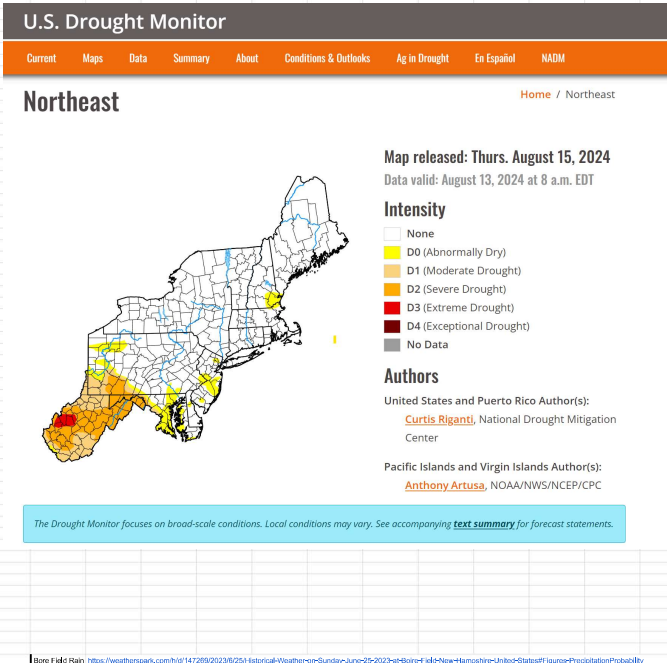
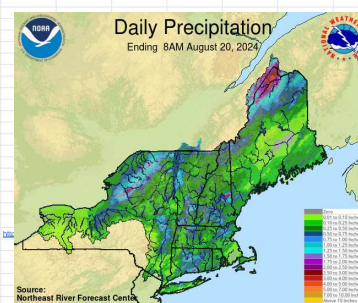
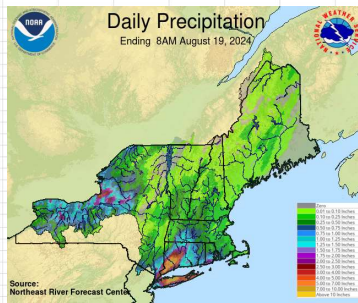
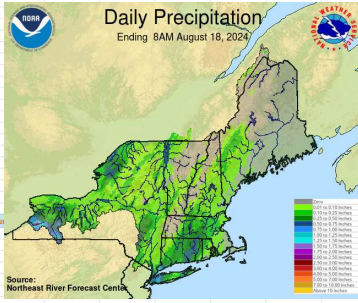
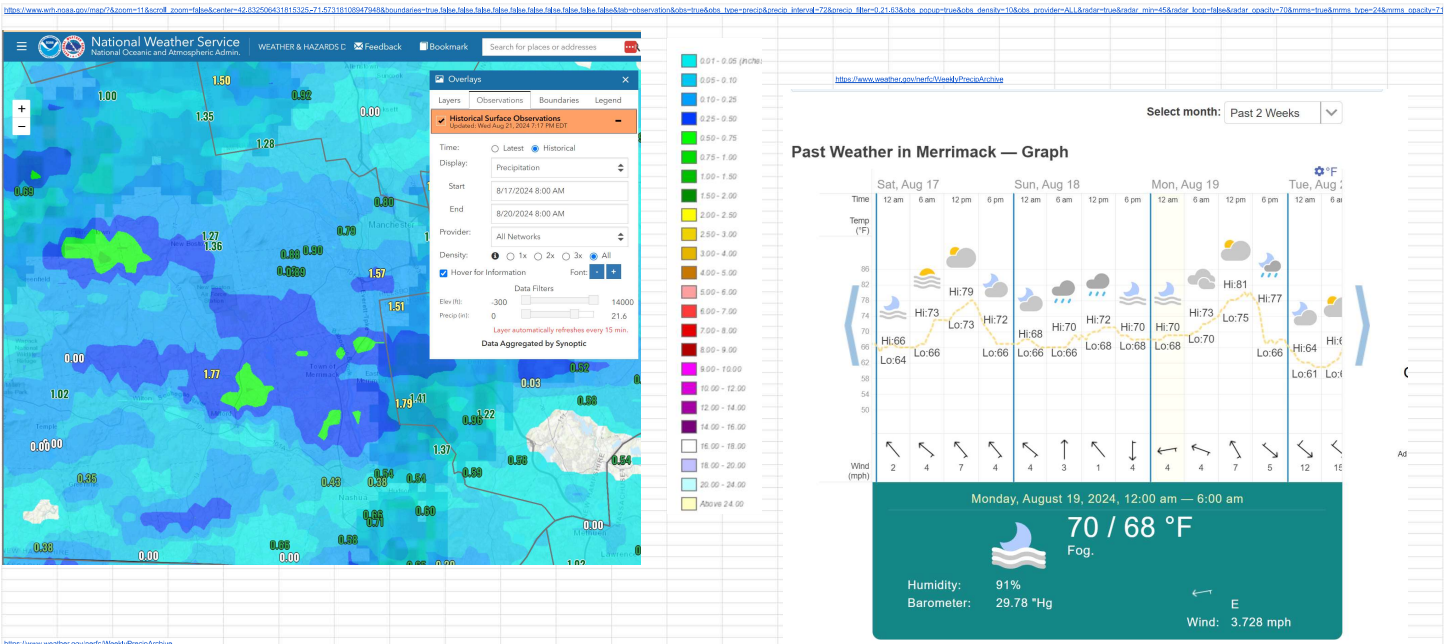
0 < 88	Max Acceptable Level for Swimming (NHDES spec)
<126	Max Acceptable Level for Swimming (Federal EPA spec)
> 126 < 406	Safe for non swimming recreational contact.
> 406	Unsafe for recreational contact (NHDES spec)

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.

Ref (1) [Bacteria in Surface Waters](#)



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