Site ID	Site Description	Town	Latitude (DMS)	Longitude	Water Sample Volunteer Needed	July 5th e-coli MPN/100mL	Lab e-Coli	July 5 DO	Lab DO	pH	Lab pH	Water Level	Water Odor	Water Color	Observed Use	Sampler Comments, (Bold = Action Item)
Souhegan River Sites																
Billy Ward Pond 1	BWP, #1	Ashburnham				2	Nashua	7.06	Milford		-	Ave	None	Clear	-	-
Billy Ward Pond 2	BWP, #2	Ashburnham				11	Nashua	7.77	Milford		-	Ave	None	Clear	-	-
SoR 333	River Road above Water Loom Pond	New Ipswich	42 44' 25.21N	71 50' 39.92W		3	Merrimack	7.53	Milford		-	Low	None	Clear	-	-
SoR 320	Highbridge,	New Ipswich	42 45' 5.54N	71 49' 41.41W		62	Nashua	7.81	Milford		-	Low	None	Tea	-	-
SoR 309	Above Greenville Mill Pond	Greenville	42 45' 51.12N	71 49' 21.53W		91	Milford	8.72	Milford		-	Very low	None	Clear	-	oil sheen, Greenville empties the mill pond
SoR 296	Downtown Greenville upstream of WWTP	Greenville	42 46' 12.84N	71 48' 28.74W		140	Nashua	8.14	Milford		-	Low	None	Clear	-	oil sheen, Greenville empties the mill pond
SoR 291	Green Bridge off Rte 31 below Greenville	Greenville	42 46' 35.19N	71 48' 24.91W		135	Nashua	8.74	-		-	Very low	None	Clear		very low, emptied the mill pond
Stony Brook?	River Walk in Wilton (south side of Stony Brook?)	Wilton				165	Nashua	7.99	Milford	-	-	Low	None	Clear	-	no flow, very quiet
SoR 218	Above the Horseshoe, (on the Souhegan south branch)	Wilton	42 50' 28.79N	71 44' 37.18W		42	Nashua	9.23	Milford	6.53	Milford	Low	None	Clear	-	birds chirping, no animals seen, quiet
SoR 218-B	Below the Horseshoe, (on the Souhegan south branch)	Wilton				34	Nashua	9.57	Milford	6.95	Milford	Very low	None	Clear	Fishing	-
SoR 210	Downtown Wilton, Mill Dam	Wilton	42 50' 26.81N	71 44' 6.28W		272	Milford	9.11	Milford		-	Low	Rotten e	Clear	-	smell in the area, lots of trash, birds chirping, lots of bugs
SoR 201	Pine Valley Mill,	West Milford	42 50' 30.65N	71 43' 14.89W		82	Milford	8.82	Milford	6.75	Milford	Very low	Musky	Tea	-	dog walking, black plastic, cones, from misc fields
SoR 170	Behind Hayward Field	West Milford	42 50' 47.99N	71 40' 33.55W		88	Nashua	8.05	Milford	6.33	Milford	Ave	None	Clear	-	
SoR 155	Souhegan Valley Boys and Girls Club	Milford	42 50'13.45N	71 39' 6.06W		192	Milford	7.00	Milford		-	Low	None	Tea	-	very slow flow, < 1ft/sec
SoR 146	Swing Bridge	Milford	42 50' 9.97N	71 38' 45.57W	monitor needed	-	-	-	-		-	-	-			
SoR 133	Riverside Cemetery	Milford	42 49' 43.13N	71 37' 34.87W		116	Milford	8.74	Milford	6.7	Milford	Very low	None	Clear	-	patches of foam
SoR 130	Behind Lorden Plaza	Milford	42 49' 34.31N	71 37' 19.58W		122	Merrimack	7.81	Milford		-	Low	None	Tea	-	quiet, racoon tracks on banks
SoR 122	Amherst Country Club	Amherst	42 49' 45.10N	71 36' 37.29W		99	Milford	7.40	Milford		-	Very low	Musky	Clear	-	iridescent puddles near shore, slightly unpleasant water odor
SoR 095	Boston Post Road Canoeport,	Amherst	42 49' 37.77N	71 35' 7.02W		96	Milford	6.91	Milford	6.51	Milford	Very low	None	Clear	-	no trash
SoR 070	Seaverns Bridge	Amherst	42 50' 11" N	71 33' 37" W			-	6.97	Milford	6.15	Milford	Low	None	Clear	-	slow moving and low
SoR 057	Indian Ledges	Merrimack	42 51' 6.23N	71 32' 54.40W		75	Nashua	8.42	Milford		-	Ave	Musky	Clear	-	fast moving, lots of fish jumping, deer tracks, a heron
SoR 034	Turkey Hill Bridge,	Merrimack	42 51' 32.66N	71 31' 22.72W		75	Merrimack	7.99	Merrimack		-	Low	None	Clear	-	fish fry & sunfish sighted
SoR 015	Wildcat Falls	Merrimack			monitor needed	-	-	-	-		-	-	-			-
SoR 005	West Chamberlain Rd,	Merrimack	42 51' 22.78N	71 29' 59.38W	monitor needed		-		-		-	-	-			-
Beaver Brook																
	Beaver Brook, Manchester St Bridge	Amherst				325	Merrimack		-		-	Low	None	Tea	-	quiet, many waterbugs
Purgatory Brook Sites																
	Purgatory Brook,	Lyndeborough/Mont Vernon			monitor needed		-		-		-	-	-			
Merrimack River Sites																
Mer 600	Above Amoskeag Dam,	Manchester	42 58' 27.79N	71 28' 22.53"W		4	Manchester	7.89	Manchester		-	Very low	-	-		-
Mer 590	Arms Park	Manchester	42 58' 23.45"N	71 28' 21.52"W		30	Manchester	7.97	Manchester		-	-	-			-
Mer 570	Goffs Falls	Litchfield	42 56' 11.05"N	71 27' 23.55"W		53	Manchester	7.49	Manchester		-	-	-			-
Mer 560	Depot Street	Merrimack	42 53' 3.89"N	71 28' 7.80"W		84	Merrimack	7.99	Merrimack		-	-	-			-
~~*Mer 550*~~	~~*Upstream of Souhegan River*~~	~~*Merrimack*~~	~~*42 51' 45.78"N*~~	~~*71 29' 14.24"W*~~												
Mer 540	Thorntons Ferry,	Merrimack	42 50' 35.09"N	71 29' 2.72"W	monitor needed	50	Merrimack	7.87	Merrimack		-	Very low	-			very low
Mer 530	Greeley Park, Boat Ramp	Nashua	42 47' 8.50"N	71 27' 28.06"W		25	Nashua	8.46	Nashua	7.63	Nashua	Low	None	Clear	Boating	-drowned woodchuck in water, many small and medium fish
Mer 520	Taylors Falls Bridge	Nashua	42 45' 43.16"N	71 26' 40.68"W		12	Nashua	8.41	Nashua	7.49	Nashua	-	-			-
Mer 510	Sagamore Bridge	Hudson	42 42' 1.24"N	71 26' 16.25"W		20	Nashua	8.49	Nashua	7.56	Nashua	-	-			-
~~Mer 500~~	~~Pheasant Lane Mall, Sanders Parking Lot~~	~~Hudson~~	~~42 42' 1.24"N~~	~~71 25' 57.42W~~												
Mer 490	Upstream of Tyngsboro Bridge	Tyngsboro	42 40' 39.11"N	71 25' 14.19"W		4	Nashua	8.30	Nashua	7.23	Nashua	-	-			-

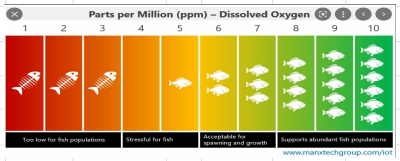
	location data needed		sample taker needed

clean
concerning
unacceptable
dangerous

Precipitation: very little rain in the 10 days preceding 7/5/2022.

Souhegan River Temps on 7/05/2022, ~ 8:00 AM Water ranged from 16 to 20 Celcius, (61 to 68 F) , Air temp ~ 16- 20 C, (61 to 68 F)

Merrimack River Temps on 7/5/2022, ~ 8:00 AM, Water temps ranged from 23 to 25 Celcius, (73 to 77 F), Air temp ~ 25 C, (77 F)



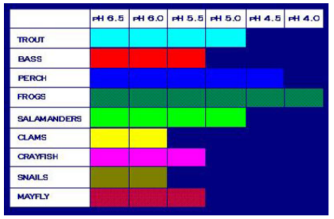


Figure 6. This table illustrates pH values that can be tolerated by different species.

Stream Rates USGS Data, in Ft3/sec	7/5/2022	7/5/2021	Historical Median	Median History Range
Upper Soehegan (west Milford near Wilton)	16	260	50	~30 yrs
Lower Soehegan (east Merrimack, Wildcat Falls)	45	382	70	~100 yrs
Merrimack River	1400	4830	2000	~ 84 yrs

https://waterdata.usgs.gov/monitoring-location/01093852/#parameterCode=00060&period=P7D&compare=true

https://waterdata.usgs.gov/monitoring-location/01094000/#parameterCode=00060&period=P30D&compare=true

https://waterdata.usgs.gov/monitoring-location/01092000/#parameterCode=00060&period=P7D&compare=true

https://www.epa.gov/caddis-vol2/ph