2023-06-13 Souhegan River Water Quality v2

Site ID	Site Description	Town			Monitor Name	Bottle Number	E-coli MPN/100mL	Lab e-Coli	DO	Lab DO	рН	Lab pH	Water Leve	Water ol Odor	Water Color	Observed Use	Monitor Comments, (Bold = Action Item)	Monito Meas Water
Souhegan River Sites																		
BWP, #1	Billy Ward Pond 1	Ashburnham			Dave Ward		12	Nashoba Analyl	-	-	-	-	Low	None	Clear			23.0
BWP, #2	Billy Ward Pond 2	Ashburnham			Dave Ward		1	Nashoba Analyt	-	-	-	-	Low	None	Clear			23.0
SoR 210	Downtown Wilton, Mill Dam	Wilton			Nikki Andrews		235	Manchester	9.15	Merrimack	7.4	Manchester	Ave	None	Clear			0.0
SoR 122	Rt 122 Canoeport, (Amherst Country Club)	Amherst			Eric Doberstein		291	Manchester	8.06	Merrimack	7.1	Manchester	Ave	None	Clear	-		0.0
SoR 001	Watson Park (new request by Town of Merrimack for additional testing)	Merrimack			John Debellis		32	Manchester		-	7.4	Manchester	Ave	None	Clear	-	Fishing,	0.0
Merrimack River Sites																		
Mer 590	Merrimack River at Arms Park	Manchester			Charles Lylis		50	Manchester		-	-	-	-					
Mer 570	Goffs Falls	Litchfield			Charles Lylis		276	Manchester	-	-	-	-	-					
Mer 530	Greeley Park, Boat Ramp	Nashua			Ellen Kolb		54	Manchester		Manchester	7.4	Manchester	Ave	None	Clear			0.0
Mer 510	Sagamore Bridge	Hudson			J & C Hemmings	en	24	Manchester		Manchester	7.4	Manchester	Ave	None	Clear	-	Boating	0.0
																-		
						Max Acceptable Level for Swimming	< 88		1 2		(ppm) – Dissolved C 5 6 7	8 9 1			TROUT	r41 G.5 r41 G	0 #19.5 #19.50 #14.5 #14.0	
	Precipitation: We've had .25* of rainfall on the first of 3 days preceding the sample date. No rainfall on the 2nd or preceding day of the sample date. Rainfall in May and June has been near historical averages.					Keep wet hands from mouth.	> 247 < 406		-/ ¹⁸ -/ ¹⁸	- 1	▶ 🛱 😤				BASS PERCH PROGS			
						Avoid any contact	> 406		Too low for fab pe	pulations Strendul for fish	Acceptable for spawning and growth	Supports abundant fait popula www.marxtechgroup.co	film mylot		SALAMAN	DERE		
	120 ft3/s flow at Wildcat Falls is about the minimum flow needed to float a boat from Kaley Park launch to Severns Brid							https://www.ncei.noaa.gov/access/past-weather/03031							SNAILS MAYFLY			
	120 ft.3/s flow at wildcat Falls is about the minimum flow he	eded to float a	boat from Kaley	Historical	Median History		8:00 AM USGS	s							Figure 6. This table illustrates pH values that can be tolerated by different species.			
	Stream Rates USGS Data, in Ft3/sec 8:00AM	6/13/2023	6/13/2022	date	Range		degrees	https://weatherspa	rk.com/td/1472	269/Average-Weat	her-at-Boire-Field-	New-Hampshire-I	Jnited-States-T	oday		https://www.e	ba.gov/caddis-vol2/ph	
	Upper Soehegan (west Milford near Wilton) WLR-1	55	73	85	~18 yrs		65	Souhegan River (Site WLR-1) Ne	ear Milford, NH - 0	1093852							
	Lower Soehegan (east Merrimack, Wildcat Falls)	120	143	130	~100 yrs		unavail	Souhegan River a	t Merrimack, N	<u>H - 01094000</u>								
	Merrimack River (Goffs Falls, near Manchester)	2,120	3,930	3,500	~ 84 yrs		unavail	Merrimack R NR (Goffs Falls, Bel	ow Manchester, N	<u>H - 01092000</u>							