

New Hampshire Volunteer River Assessment Program
2021 Nashua River Watershed Data

NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES



Measurements not meeting New Hampshire surface water quality standards
Measurements not meeting NHDES quality assurance/quality control standards

^A Specific conductance > 835 µS/cm indicate exceedance of chronic chloride standard of 230 mg/L

^B Chronic water quality standard

03K-NIS: Nissitissit River, Brookline (Bohannon Bridge)

Date	Time of Sample	Specific Conductance (US/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean
Standard	NA	<835 US/cm^A	NA	<406	<126
05/15/2021	07:30	15	14	80	
06/19/2021	08:00	104	20	153	
07/17/2021	07:45	73	23	160	125
08/21/2021	07:05	68	24	548	237
09/18/2021	07:55	70	19	179	250
10/16/2021	07:50	81	17	148	244

07-FLT: Flints Brook, Hollis (French Mill Road near Junction of Rideout Road) - NHDES Trend Station

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (US/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean	Chloride (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	<835 US/cm^A	NA	<406	<126	230^B
01/13/2021	11:40			7.12	0.20	278	2.7			42
02/17/2021	11:05	14.24	100.1	7.01	0.26	283	0.8			48
03/18/2021	12:00	12.72	97.5	7.03	0.95	268	4.2			42
04/13/2021	12:23	11.81	106.9	7.00	0.38	253	10.9			46
04/20/2021	9:05							27		
05/11/2021	10:50			6.60	0.44	251	13.2			43
05/15/2021	8:07					248	12.0	49		
06/19/2021	8:02					257	15.0	67		
06/22/2012	12:20	8.40	85.2	6.81	0.92	246	16.0	41	51	38
07/17/2021	7:42					230	17.2	69	57	
07/19/2021	13:15	7.39	79.3	6.90	1.20	251	18.7	332	98	37
08/18/2021	13:15		83.9	6.98	1.45	261	17.7	52	106	49
08/21/2021	7:52					270	19.5	228	158	
09/18/2021	8:18					244	16.2	210	136	
09/21/2021	12:15	8.62	85.0	6.70	1.19	227	14.7			35
10/16/2021	8:30					248	14.7	55		
10/26/2021	10:45	10.62	94.6	6.75	3.09	221	10.2			30

Date	Time of Sample	Total Phosphorus (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Nitrite (NO ₂) + Nitrate (NO ₃) (mg/L)	Total Nitrogen (mg/L)
Standard	NA	Narrative	Narrative	Narrative	Narrative
04/13/2021	12:23	0.012	0.250	0.640	0.890
06/22/2012	12:20	0.018	0.330	0.750	1.080
07/19/2021	13:15	0.039	0.460	0.390	0.850
08/18/2021	13:15	0.023	0.390	0.670	1.060

04A-NSH: Nashua River, Nashua (Boat Launch at Mine Falls Park)

Date	Time of Sample	Specific Conductance (US/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E.coli</i> Geometric Mean
Standard	NA	<835 US/cm^A	NA	<406	<126
04/20/2021				60	
05/15/2021	8:05	238	15	11	
06/19/2021	9:15	310	22	4	14
07/17/2021	8:40	233	23	64	14
08/21/2021	8:20	328	23	435	49
09/18/2021	8:50	232	20	44	107
10/16/2021	9:15	232	17	30	82

04AK-NSH: Nashua River, Nashua (34 Technology Way)

Date	Time of Sample	Specific Conductance (US/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E.coli</i> Geometric Mean
Standard	NA	<835 US/cm^A	NA	<406	<126
05/15/2021	7:45	245	15	23	
06/19/2021	7:40	318	22	34	
07/17/2021	7:50	102	24	47	33
08/21/2021	7:35	302	23	172	65
09/18/2021	7:35	225	20	80	87
10/16/2021	7:30	210	17	31	75

04AA-NSH: Nashua River, Nashua (Main Street Bridge)

Date	Time of Sample	Specific Conductance (US/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E.coli</i> Geometric Mean
Standard	NA	<835 US/cm^A	NA	<406	<126
05/15/2021	8:20	302	15	30	
06/19/2021	7:52	325	22	93	
07/17/2021	8:50	163	23	44	50
08/21/2021	8:30	283	25	121	79
09/18/2021	8:15	224	20	70	72
10/16/2021	8:20	233	18	29	63

