

New Hampshire Volunteer River Assessment Program

2020 Saco 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 $\mu\text{S}/\text{cm}$ indicates exceedance of chronic chloride standard of 230 mg/L

^B Chronic water quality standard

^C Calculated using 1/2 of the 0.25 mg/L detection limit of Total Kjeldahl Nitrogen (0.125 mg/L)

12-SAC: Saco River, Bartlett (River Road Bridge)

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Water Temp. ($^{\circ}\text{C}$)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 $\mu\text{S}/\text{cm}$^A	NA
05/26/2020	18:30	11.02	102.7	5.38	0.84	2.5	13.1
08/11/2020	18:30	7.80	90.2	5.87	1.10	2.1	22.6
10/06/2020	18:00			5.72	0.32		12.4

11-SAC: Saco River, Bartlett (Across from Fields of Attitash)

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Water Temp. ($^{\circ}\text{C}$)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 $\mu\text{S}/\text{cm}$^A	NA
05/26/2020	17:50	9.73	100.9	5.48	0.39	2.7	16.2
08/11/2020	17:50	6.60	80.1	5.94	0.30	2.2	25.7
10/06/2020	17:30			5.92	0.30		14.8

08-SAC: Saco River, Bartlett (End of Intervale Lane)

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Water Temp. ($^{\circ}\text{C}$)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 $\mu\text{S}/\text{cm}$^A	NA
05/26/2020	16:10	9.60	98.5	5.75	1.47	2.7	17.3
08/11/2020	16:00	7.02	89.1	6.17	1.80	0.4	26.2
10/06/2020	17:55			6.03	0.30		14.4

06-EBS: East Branch Saco River, Bartlett (Town Hall Road Bridge) - NHDES Trend Station

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm^A	NA	230^B
06/17/2020	13:30	9.29	103.9	6.20	0.17	19.5	21.9	<3
07/15/2020	11:45	8.63	88.4	5.89	0.42	13.5	17.2	<3
08/12/2020	12:00	8.39	98.4	6.37	0.15	20.9	23.3	<3
10/15/2020	12:35	9.71	88.0	6.60	0.35	18.9	11.0	<3
11/16/2020	12:10	13.42	105.4	6.46	0.85	19.2	5.1	<3

Date	Time of Sample	Total Phosphorus (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Nitrite (NO2) + Nitrate(NO3) (mg/L)
Standard	NA	Narrative	Narrative	Narrative
06/17/2020	13:30	0.009	ND	ND
07/15/2020	11:45	0.008	ND	ND
08/12/2020	12:00	ND	ND	ND

01-SAC: Saco River, Fryeburg, ME (Route 113 Bridge) - NHDES Trend Station

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm^A	NA	230^B
06/17/2020	14:15	8.96	103.1	6.12	0.35	69.0	22.3	17
07/15/2020	10:55	7.44	80.7	5.71	2.14	26.9	18.2	3
08/12/2020	11:10	6.33	76.7	6.39	0.24	76.8	24.9	16
10/15/2020	11:50	10.44	93.7	6.45	1.25	32.9	11.0	3
11/16/2020	12:55	11.43	91.4	6.57	1.16	64.3	5.8	11

Date	Time of Sample	Total Phosphorus (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Nitrite (NO2) + Nitrate(NO3) (mg/L)	Total Nitrogen (mg/L)
Standard	NA	Narrative	Narrative	Narrative	Narrative
06/17/2020	14:15	0.013	ND	0.16	0.29 ^C
07/15/2020	10:55	0.012	ND	ND	
08/12/2020	11:10	0.005	ND	0.17	0.30 ^C

