

New Hampshire Volunteer River Assessment Program
2020 Ammonoosuc 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)

29-AMM: Ammonoosuc River, Crawford's Purchase (Jefferson/Clinton Road & Base Road)

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		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA
06/16/2020	13:20	10.09	93.3	5.63	0.10	11.1	12.0
07/24/2020	14:00	10.21	102.1	5.55	0.00	10.4	15.4
09/01/2020	14:30	10.07	95.0	5.73		12.0	13.1

26-AMM: Ammonoosuc River, Carroll (Route 302 Bridge-Fabyan/Base Station Road)

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		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA
06/16/2020	12:50	9.64	96.6	5.69	0.25	44.4	15.2
07/24/2020	13:31	9.42	106.1	5.73	0.00	34.2	19.9
09/01/2020	14:00	9.44	95.6	5.72		56.6	17.7

24-AMM: Ammonoosuc River, Carroll (Route 3 Bridge-Twin Mountain)

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		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA
06/16/2020	11:20	9.71	96.3	6.23	0.25	58.1	15.2
07/24/2020	12:33	9.02	100.0	6.12	0.15	38.4	20.4
09/01/2020	12:45	9.54	100.1	6.41		75.9	17.8

22-AMM: Ammonoosuc River, Bethlehem (Route 302 Bridge/Pierce Bridge) - NHDES Trend Site

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)
Standard		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA	230 ^B
02/10/2020	11:30	14.32	99.1	6.65	0.51	63.4	0.1	8
06/15/2020	11:10	10.90	104.6	6.31	0.23	53.1	13.5	10
07/13/2020	11:15	8.81	95.9	6.54	0.39	38.9	19.5	5
08/10/2020	11:00	9.07	99.9	6.77	0.65	52.6	20.1	10

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		Narrative	Narrative	Narrative	Narrative
02/10/2020	11:30	0.006	ND	0.18	0.31 ^C
06/15/2020	11:10	ND	ND	0.12	0.25 ^C
07/13/2020	11:15	0.005	ND	0.06	0.18 ^C
08/10/2020	11:00	0.008	ND	0.10	0.22 ^C

15J-AMM: Ammonoosuc River, Littleton (Cottage St. Bridge/Veteran's Memorial Bridge)

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA
06/16/2020	10:44	8.92	94.9	6.67	0.55	80.8	18.3
07/24/2020	11:45	8.68	100.6	6.76	0.65	62.2	21.4
09/01/2020	11:45	8.71	94.9	7.13		109.0	20.2

13-AMM: Ammonoosuc River, Lisbon (Streeter Pond Road Bridge)

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA
06/16/2020	10:10	9.53	96.1	6.92	0.55	104.5	15.8
07/24/2020	10:45	8.74	100.3	6.96	1.40	91.0	22.8
09/01/2020	11:00	9.39	99.3	8.11		154.3	18.2

04-AMM: Ammonoosuc River, Bath (Bath Covered Bridge)

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA
06/16/2020	09:20	8.22	84.3	6.60	0.60	121.9	16.3
07/24/2020	09:50	7.52	87.0	6.69	0.90	126.4	22.4
09/01/2020	09:50	9.47	100.1	6.75		166.0	17.9

03-AMM: Ammonoosuc River, Bath (Railroad Bridge off Route 302) - 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		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA	230 ^B
02/10/2020	12:45	15.35	105.0	7.03	0.19	138.2	0.0	21
06/15/2020	12:30	9.79	104.1	6.78	0.23	100.6	18.3	19
07/13/2020	12:30	8.34	101.5	6.86	0.63	92.9	25.3	17
08/10/2020	12:15	8.99	107.6	6.88	0.89	68.7	24.4	23
09/17/2020	10:10							37
10/12/2020	12:10	12.31	107.1	7.17	0.97	65.7	9.2	9
11/18/2020	12:00	13.51	96.8	7.08	1.17	86.1	1.7	13

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		Narrative	Narrative	Narrative	Narrative
02/10/2020	12:45	0.007	ND	0.19	0.32 ^C
06/15/2020	12:30	ND	0.30	0.08	0.38 ^C
07/13/2020	12:30	0.012	ND	ND	
08/10/2020	12:15	0.030	ND	ND	

