

New Hampshire Volunteer River Assessment Program
2021 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 µS/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 (µS/cm)	Water Temp. (°C)
Standard		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA
06/07/2021	14:06	8.33	90.6	5.51	0.02	10	16.6
07/17/2021	13:10	9.25	90.6	5.54	0.12	9	14.6
08/11/2021	14:36	9.23	93.7	5.59	0.60	12	16.3

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 (µS/cm)	Water Temp. (°C)
Standard		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA
06/07/2021	13:40	8.34	92.8	5.58	0.12	46	20.8
07/17/2021	12:45	8.92	93.3	5.70	0.16	55	18.0
08/11/2021	13:55	8.54	94.1	5.64	0.66	54	20.2

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

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)
Standard		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA
06/07/2021	13:05	9.18	93.2	6.06	0.27	60	22.6
07/17/2021	11:58	8.46	91.6	6.33	0.11	67	19.5
08/11/2021	13:23	7.16	84.1	6.42	0.69	67	22.3

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
04/05/2021	10:30	13.42	97.6	5.58	0.18	39	2.2	7
06/14/2021	10:45	9.22	94.0	6.66	0.05	68	16.4	
07/12/2021	10:45	9.33	98.2	6.75	0.52	83	17.8	10
08/09/2021	10:40	9.61	110.0	6.79	0.49	89	20.3	12

Date	Time of Sample	Total Phosphorus (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Nitrite (NO2) + Nitrate(NO3) (mg/L)	Total Nitrogen (mg/L)
Standard		Narrative	Narrative	Narrative	Narrative
04/05/2021	10:30	0.005	ND	0.11	0.235 ^C
06/14/2021	10:45	0.007	ND	0.19	0.315 ^C
07/12/2021	10:45	0.007	ND	0.09	0.215 ^C
08/09/2021	10:40	0.005	ND	0.08	0.205 ^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
06/07/2021	11:15	8.04	96.1	6.51	0.46	88	24.5
07/17/2021	11:08	7.88	94.2	7.00	0.40	100	24.3
08/11/2021	11:22	8.02	96.2	6.77	0.65	102	24.6

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
06/07/2021	10:30	6.64	77.7	6.72	0.62	122	23.1
07/17/2021	10:35	7.86	90.3	7.24	0.47	141	22.5
08/11/2021	10:45	8.34	97.3	7.00	0.37	155	23.4

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
06/07/2021	9:11	17.36	269	6.42	0.63	135	23.70
07/17/2021	9:50		394.9	6.79	0.66	72.00	23.80
08/11/2021	9:55	6.71	79.90	6.52	0.50	150.0	24.10

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)	E. Coli (mpn/100mL)
Standard		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA	230 ^B	<406
01/12/2021	11:00	15.03	103.1	7.02	0.43	102	0.1	18	
02/17/2021	12:30	12.10	82.8	6.97	0.48	22	0.0	21	
03/18/2021	11:55	14.40	100.4	6.91	0.80	89	0.7	16	
04/05/2021	11:30	15.39	112.3	6.61	0.15	151	2.3	13	
05/11/2021	11:50	11.42	101.7	6.81	0.33	62	10.2	13	
06/14/2021	12:00	8.57	94.6	7.17	0.73	138	20.6		41
07/12/2021	12:20	8.61	99.4	7.09	0.70	144	22.5	22	41
08/09/2021	12:00			7.17	0.47	110		23	41
09/21/2021	12:00	9.06	96.1	6.87	0.48	145	18.2	23	
10/25/2021	11:40	12.03	100.1	6.50	0.70	91	7.4	16	

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
04/05/2021	11:30	ND	ND	0.10	0.225 ^C
06/14/2021	12:00	0.012	ND	0.10	0.225 ^C
07/12/2021	12:20	0.009	ND	ND	
08/09/2021	12:00	0.010	ND	ND	

