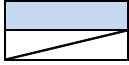


New Hampshire Volunteer River Assessment Program

2021 Exeter 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

- <sup>A</sup> Specific conductance > 835  $\mu\text{S}/\text{cm}$  indicate exceedance of chronic chloride standard of 230 mg/L
- <sup>B</sup> Chronic water quality standard
- <sup>C</sup> Calculated using 1/2 of the 0.25 mg/L detection limit of Total Kjeldahl Nitrogen (0.125 mg/L) and/or 1/2 of the 0.050 mg/L detection limit of Nitrate+Nitrite (0.025 mg/L)

**15-EXT: Exeter River, Exeter (Haigh Road) - NHDES Trend Station**

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	Water Temp. ( $^{\circ}\text{C}$ )	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean	Chloride (mg/L)
<b>Standard</b>	<b>NA</b>	<b>&gt;5.0</b>	<b>&gt;75% Daily Average</b>	<b>6.5-8.0</b>	<b>&lt;10 NTU above background</b>	<b>835 <math>\mu\text{S}/\text{cm}^{\text{A}}</math></b>	<b>NA</b>	<b>&lt;406</b>	<b>&lt;126</b>	<b>230<sup>B</sup></b>
01/12/2021	11:50	15.13	104.9	6.73	1.33	223	0.4			45
02/18/2021	12:30	15.39	105.6	6.45	1.28	230	0.1			42
03/16/2021	11:20	15.60	107.7	6.68	0.70	193	0.2			37
04/08/2021	11:45	11.64	106.0	6.62	0.56	189	11.2			42
05/10/2021	11:50	10.03	99.1	6.75	0.58	181	14.7			41
06/15/2021	13:15	7.68	83.7	6.93	2.25	238	19.5	62		49
07/22/2021	13:00	8.53	97.1	6.64	1.03	235	21.7	75		42
08/12/2021	12:50	7.83	94.7	6.79	1.56	184	25.0	142	87	47
09/15/2021	12:39	8.33	92.6	6.66	0.79	175	20.4			37
10/19/2021	11:00			6.96	0.88	239	12.1			56

Date	Time of Sample	Total Phosphorus (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Nitrite (NO <sub>2</sub> ) + Nitrate (NO <sub>3</sub> ) (mg/L)	Total Nitrogen (mg/L)
<b>Standard</b>	<b>NA</b>	<b>Narrative</b>	<b>Narrative</b>	<b>Narrative</b>	<b>Narrative</b>
04/08/2021	11:45	0.012	0.290	0.085	0.375
06/15/2021	13:15	0.028	0.540	0.220	0.760
07/22/2021	13:00	0.031	0.690	ND	0.715 <sup>C</sup>
08/12/2021	12:50	0.029	0.590	0.200	0.790

**05-LTE: Little River, Exeter (Garrison Road Bridge)**

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	Water Temp. ( $^{\circ}\text{C}$ )
<b>Standard</b>	<b>NA</b>	<b>&gt;5.0</b>	<b>&gt;75% Daily Average</b>	<b>6.5-8.0</b>	<b>&lt;10 NTU above background</b>	<b>835 <math>\mu\text{S}/\text{cm}^{\text{A}}</math></b>	<b>NA</b>
06/18/2021	8:51	7.53	80.2	6.67	2.90	304	18.4

**02-LTE: Little River, Exeter (Linden Street Bridge)**

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	Water Temp. ( $^{\circ}\text{C}$ )
<b>Standard</b>	<b>NA</b>	<b>&gt;5.0</b>	<b>&gt;75% Daily Average</b>	<b>6.5-8.0</b>	<b>&lt;10 NTU above background</b>	<b>835 <math>\mu\text{S}/\text{cm}^{\text{A}}</math></b>	<b>NA</b>
06/18/2021	9:20	6.58	70.3	6.38	5.25	342	18.4

**00-LTE: Little River, Exeter (Gilman Street 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 $\mu\text{S}/\text{cm}^{\text{A}}$	NA
06/18/2021	10:00	7.11	76.3	6.86	11.80	356	18.9



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