

# New Hampshire Volunteer River Assessment Program

## 2019 Gunnison Brook 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

### 02-BLD, Blood Brook, Route 31 Bridge, Goshen

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}</math><sup>A</sup></b>	<b>NA</b>
05/20/2019	09:00	9.66	94.6	6.31	1.59	27.2	14.6
05/27/2019	09:15	9.45	95.3	6.92	0.93	23.7	16.0
06/14/2019	09:10	4.14	92.9	6.32	0.43	25.6	16.3
07/08/2019	09:15	8.13	90.0	6.43	0.70	33.1	20.0
07/21/2019	09:05	7.60	89.0	6.40	1.60	0.0	23.1

### 01-GIL, Giles Brook, Mummery Road Bridge, Goshen

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}</math><sup>A</sup></b>	<b>NA</b>
05/20/2019	08:45	9.44	92.4	6.19	2.48	43.3	14.7
05/27/2019	08:55	9.73	92.0	6.31	0.41	64.3	13.0
06/14/2019	08:35	9.80	91.7	6.38	0.44	64.9	12.2
07/08/2019	09:00	9.08	89.4	6.42	0.37	88.4	14.7
07/21/2019	08:50	8.04	86.2	6.30	0.70	0.0	18.9

### 01-GUN, Gunnison Brook, Brook Road Bridge, Upstream of Route 10, Goshen

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}</math><sup>A</sup></b>	<b>NA</b>
05/20/2019	08:30	9.91	96.7	6.41	3.49	41.8	13.8
05/27/2019	08:30	9.56	96.3	6.76	0.62	65.1	12.5
06/14/2019	08:20	10.50	96.4	6.79	0.49	68.5	11.6
07/08/2019	08:50	9.54	93.5	6.92	0.45	94.7	14.5
07/21/2019	08:35	8.26	91.3	6.84	0.64	0.0	21.3

**04-SSR, South Branch Sugar River, Lear Hill Road, Goshen**

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ( $\mu\text{S}/\text{cm}$ )	Water Temp. ( $^{\circ}\text{C}$ )	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>230<sup>B</sup></b>
05/20/2019	08:10	9.19	86.5	6.29	<del>3.24</del>	<del>21.1</del>	<del>18.3</del>	
05/20/2019	09:00							9
05/27/2019	08:10	9.19	95.6	6.59	0.65	45.9	12.9	
06/14/2019	08:10	10.52	98.5	6.68	0.49	63.2	12.4	
07/08/2019	08:30	9.87	97.4	6.78	0.40	86.9	14.5	
07/21/2019	08:00	8.57	94.1	6.75	0.58	94.3	20.3	
07/21/2019	09:30							19



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