

New Hampshire Volunteer River Assessment Program
2019 Gridley 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 indicate exceedance of chronic chloride standard of 230 mg/L

^B Chronic water quality standard

^C Calculated using 1/2 of the 0.050 mg/L detection limit of Nitrate+Nitrite (0.025 mg/L)

05-GRD, Gridley River, Route 123 Bridge, Sharon

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835µS/cm ^A	NA	Narrative
07/09/2019	12:00	5.30	60.1	5.16	1.00	37.3	21.50	0.047
08/20/2019	12:00	2.06	23.2	4.92	1.10	47.5	21.30	0.023
09/18/2019	12:13	3.08	29.7	5.39	1.90	92.0	13.30	0.015

03-GRD, Gridley River, Route 124 Bridge, Sharon

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835µS/cm ^A	NA	Narrative
07/09/2019	11:35	2.43	28.0	5.15	0.70	90.4	22.00	0.026
08/20/2019	11:40	2.29	27.4	5.40	0.70	94.4	23.90	0.033
09/18/2019	11:30	4.23	43.2	5.64	0.45	100.8	15.80	0.018

02F-GRD, Gridley River, Sharon, NHDES 2019 Synoptic Station

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)	<i>E. coli</i> (CTS/100mL)	<i>E. coli</i> Geometric Mean	Chloride (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA	<406	<126	230 ^B
06/26/2019	10:25	7.11	75.6	5.53	0.33	67.7	18.30	31		14
07/23/2019	11:00	6.73	71.3	5.41	1.05	101.6	18.10	1414		20
08/21/2019	11:15	7.73	85.6	5.41	1.03	83.4	20.40	148	187	18

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	NA	Narrative	Narrative	Narrative	Narrative
06/26/2019	10:25	0.02	0.5	ND	0.52 ^C
07/23/2019	11:00	0.03	0.4	ND	0.43 ^C
08/21/2019	11:15	0.03	0.6	0.06	0.69

02-GRD, Gridley River, Spring Hill Road, Sharon

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835µS/cm ^A	NA	Narrative
07/09/2019	10:55	7.21	76.4	5.73	0.80	6.3	19.20	0.026
08/20/2019	11:10	7.50	81.4	5.89	0.55	55.1	19.60	0.023
09/18/2019	11:00	8.75	80.8	6.25	1.40	30.9	12.00	0.030

01A-GRD, Gridley River, Boyd Property, Sharon

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835µS/cm ^A	NA	Narrative
07/09/2019	10:00	8.09	85.2	6.23	0.90	67.4	17.80	0.026
08/20/2019	10:06	6.36	66.3	6.33	0.60	53.6	18.80	0.023
09/18/2019	10:05	8.95	81.8	6.14	0.05	61.5	11.30	0.013



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