

New Hampshire Volunteer River Assessment Program
2019 Claremont 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 0.25 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)

03-SGR, Sugar River, Coy Paper Co. Bridge, Claremont

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835µS/cm ^A	NA
08/17/2019	09:25	5.55	64.1	7.44	0.69	247.9	22.5

02-SGR, Sugar River, Bridge downstream of Coy Paper Dam, Claremont

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	As Naturally Occurring	835µS/cm ^A	NA
08/17/2019	10:59	5.72	68.6	7.39	1.33	256.2	24.2
09/12/2019	15:16	7.95	89.4	7.25	0.79	211.0	20.6

01-SGR, Sugar River, Bridge at 12A and 12/103, Claremont, NHDES Trend Station

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/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	As Naturally Occurring	835µS/cm ^A	NA	>406	<126	230 ^B
06/24/2019	09:30	9.78	107.3	7.19	1.73	141.2	19.8	133		27
07/22/2019	09:45	7.57	93.6	6.77	1.78	194.0	26.2	75		40
08/19/2019	10:30	9.17	113.4	8.06	1.17	257.6	26.0	86	95	51
10/21/2019	10:40	11.59	100.6	6.47	1.53	134.7	9.9			27

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
06/24/2019	09:30	0.031	0.30	0.29	0.59
07/22/2019	09:45	0.034	0.28	0.37	0.65
08/19/2019	10:30	0.033	ND	0.48	0.61 ^C
10/21/2019	10:40	0.026	0.35	0.21	0.56

02-RED, Redwater Brook, Claremont

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	As Naturally Occurring	835µS/cm ^A	NA
08/17/2019	10:35	7.64	83.3	7.75	0.01	215.3	19.0
09/12/2019	16:10	7.50	73.5	6.90	0.15	47.4	14.4

15-SVN, Stevens Brook, Winter Street, Claremont

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	As Naturally Occurring	835µS/cm ^A	NA
08/17/2019	10:07	6.44	67.2	7.37	0.01	312.0	16.9
09/12/2019	16:45	7.07	72.5	7.15	0.46	495.0	16.3

02E-NSR- North Branch Sugar River, Croydon, NHDES Trend Station

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/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	As Naturally Occurring	835µS/cm ^A	NA	>406	<126	230 ^B
06/24/2019	10:30	8.24	88.3	6.93	1.21	113.6	18.7	44		22
07/22/2019	10:45	7.48	88.7	6.99	0.83	179.7	23.9	10		42
08/19/2019	11:15	8.30	96.4	7.04	0.88	181.5	22.8	85	34	38
10/21/2019	09:30	12.29	104.7	6.24	1.12	125.8	8.6			26

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
06/24/2019	10:30	0.014	ND	ND	
06/26/2019	12:45	0.016	0.25	0.05	0.30
07/22/2019	10:45	0.017	ND	0.07	0.20 ^C
08/19/2019	11:15	0.008	ND	ND	
10/21/2019	09:30	0.016	0.32	ND	0.35 ^C

