
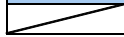


New Hampshire Volunteer River Assessment Program

2019 Cocheco 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 0.25 mg/L detectin limit of Total Kjeldahl Nitrogen (0.125 mg/L)

18-CCH, Cocheco River, Maple St. Bridge/Gonic Mill, Rochester, NHDES Trend Station

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	E. coli (MPN/100mL)	<i>E. coli</i> Geometric Mean	Chloride (mg/L)
Standard		>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA	<406	<126	230 ^B
06/19/2019	09:50	7.75	83.7	6.35	2.21	181.5	19.2	148		47
07/18/2019	09:00	5.63	65.9	6.50	3.97	244.2	22.9	122		64
08/14/2019	09:40	6.59	75.4	6.51	3.55	332.5	22.0	132	134	8
08/22/2019	09:25	7.00	80.0	5.98	11.80	141.1	21.5			
10/17/2019	10:05	8.32	76.3	6.26	3.09	390.8	11.4			100

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
06/19/2019	09:50	0.027	0.32	0.14	0.46
07/18/2019	09:00	0.031	0.34	0.16	0.50
08/14/2019	09:40	0.019	ND	0.22	0.35 ^C
10/17/2019	10:05	0.022	ND	0.21	0.34 ^C

17-CCH, Mill Pond Dam Impoundment, Quaker Lane, Rochester

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
07/14/2019	14:45	8.29	101.1	5.75	4.23	236.0	25.5
07/22/2019	11:27	7.31	98.1	5.58	4.43	301.1	25.8

21A-CCH, Cocheco River, Hillsdale Lane, Rochester

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
07/14/2019	13:45	8.19	101.2	5.54	3.34	160.1	26.2
07/22/2019	10:26	5.25	67.8	5.45	4.25	246.5	26.2
07/29/2019	12:54	7.15	89.9	5.70	3.06	223.1	27.0
08/05/2019	13:40	6.73	99.5	6.00	3.66	270.9	23.6
08/12/2019	13:47	7.44	87.5	6.14	2.48	223.3	23.4
08/19/2019	10:54	5.55	65.4	6.03	2.43	212.9	23.8
08/26/2019	12:15	6.45	70.3	5.95	2.12	147.0	19.7
09/03/2019	13:22	6.29	70.1	5.88	2.98	192.7	20.6
09/08/2019	12:50	6.63	71.0	5.86	3.71	219.9	18.5



29 Hazen Drive, Concord, New Hampshire 03301 • (603) 271-3503 • www.des.nh.gov