

New Hampshire Volunteer River Assessment Program

2019 Goffstown 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 $\mu\text{S}/\text{cm}$ indicate exceedance of chronic chloride standard of 230 mg/L

05-BKB, Black Brook, Tirrell Hill Road Bridge, Goffstown - Class A

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard		>6.0	>75% Daily Average	6.5-8.0	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA
06/04/2019	10:02	9.09	91.2	6.06	102.6	15.50
06/14/2019	07:57	8.69	87.2	6.10	106.4	15.60
06/24/2019	08:04	7.76	83.2	5.80	109.3	18.70

04-BKB, Black Brook, Pollard Road, Goffstown - Class A

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard		>6.0	>75% Daily Average	6.5-8.0	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA
06/03/2019	14:08	8.50	98.3	6.50	107.5	18.20
06/14/2019	08:08	9.46	93.2	6.15	105.1	15.60
06/24/2019	08:14	8.57	92.0	6.09	102.8	18.80

03-BKB, Black Brook, Dunbarton Road Bridge, Goffstown - Class A

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard		>6.0	>75% Daily Average	6.5-8.0	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA
06/04/2019	10:28	10.16	100.4	6.23	113.1	14.80
06/14/2019	08:22	9.58	95.8	6.17	115.1	15.40
06/24/2019	08:27	8.27	89.3	6.08	111.4	18.90

04P-BOG, Bog Brook, New Boston/Goffstown Town Line, New Boston - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA
06/05/2019	08:01	7.14	98.1	5.77	131.6	14.80
06/14/2019	11:34	7.09	71.1	5.74	132.7	15.60
06/24/2019	11:30	6.19	66.4	5.82	154.5	18.80

04-BOG, Bog Brook, Bog Brook Road Bridge, Goffstown - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 µS/cm ^A	NA
06/03/2019	13:15	7.64	98.3	6.14	143.5	15.90
06/14/2019	11:19	9.81	97.1	6.05	135.2	15.00
06/24/2019	11:10	9.20	97.8	6.16	148.4	18.40

04-PQG, Piscataquog River, Henry Bridge Road Bridge, Goffstown - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 µS/cm ^A	NA
06/04/2019	11:11	8.53	90.2	6.35	113.0	17.10
06/14/2019	08:55	7.71	83.0	6.23	104.9	18.90
06/24/2019	08:59	8.76	87.4	6.10	113.3	20.10

02-HRB, Harry Brook, Center Street Bridge, Goffstown - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)	E. coli (CTS/100mL)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 µS/cm ^A	NA	<406
06/04/2019	09:40	10.28	99.2	6.30	142.0	13.70	
06/14/2019	07:39	9.76	95.4	6.39	119.0	14.20	
06/24/2019	07:40	8.69	90.8	6.21	153.3	17.40	62

848-030, Catamount Brook, Goffstown Back Road, Goffstown - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)	E. coli (CTS/100mL)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 µS/cm ^A	NA	<406
06/04/2019	10:55	10.45	97.8	6.59	293.3	12.30	
06/14/2019	08:39	9.97	94.2	6.25	296.8	12.70	
06/24/2019	08:43	9.49	94.8	6.08	329.7	15.60	<10

NAMLK-03, Piscataquog River, Piscataquog Trail Bridge, Manchester - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)	E. coli (CTS/100mL)	Total Phosphorus (mg/L)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 µS/cm ^A	NA	<406	Narrative
06/04/2019	11:53	8.47	91.2	6.28	171.4	18.70		
06/14/2019	09:41	7.63	84.7	6.03	468.0	19.50		
06/24/2019	09:18	7.54	85.8	6.01	221.6	21.70	10	0.030

07-SAB, Saint Anselms Brook, Saint Anselms Parking Lot Culvert, Goffstown - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)	E. coli (CTS/100mL)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 µS/cm ^A	NA	<406
06/04/2019	13:42	8.97	89.1	6.65	1768.0	14.50	
06/14/2019	10:24	9.12	96.1	6.18	1158.0	13.10	
06/24/2019	09:53	8.62	82.4	6.67	1811.0	15.10	265

05-SAB, Saint Anselms Brook, Saint Anselms Drive Parking Lot, Goffstown - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)	E. coli (CTS/100mL)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 µS/cm ^A	NA	<406
06/04/2019	13:30	7.32	73.6	6.56	597.0	15.50	
06/14/2019	10:11	6.83	67.5	6.48	532.0	14.10	
06/24/2019	09:43	1.34	14.0	6.29	1373.0	17.20	1725

03-SAB, St. Anselms Brook, Rockland Ave. & St. Anselms Drive, Goffstown - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)	E. coli (CTS/100mL)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 µS/cm ^A	NA	<406
06/04/2019	13:10	8.63	84.9	6.65	139.3	14.20	
06/14/2019	10:00	9.29	89.7	6.56	1158.0	13.60	
06/24/2019	09:33	8.58	87.4	6.43	1641.0	16.00	173

17-RID, Riddle Brook, Back Mountain Road, Goffstown - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 µS/cm ^A	NA
06/04/2019	14:53	6.18	67.3	5.20	132.1	19.60
06/14/2019	10:55	4.76	49.3	4.89	153.5	18.00
06/24/2019	10:54	4.15	46.4	4.94	119.0	20.80

16-RID, Riddle Brook, Helen Circle, Goffstown - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)	E. coli (CTS/100mL)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 µS/cm ^A	NA	<406
06/04/2019	14:15	7.57	75.8	5.48	137.3	15.40	
06/14/2019	10:46	7.79	76.4	5.59	135.6	14.50	
06/24/2019	10:42	6.81	72.5	5.74	155.5	18.30	160

15P-RID, Riddle Brook, Upstream of Town Line, Goffstown - Class B

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Specific Conductance (uS/cm)	Water Temp. (°C)
Standard		>5.0	>75% Daily Average	6.5-8.0	835 µS/cm ^A	NA
06/04/2019	14:30	8.77	85.4	5.45	129.7	14.20



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