

New Hampshire Volunteer River Assessment Program

2019 Salmon Falls 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 indicates exceedance of chronic chloride standard of 230m g/L

31-SFR, Salmon Falls River, Route 109 Bridge, Acton

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
05/24/2019	09:41	9.66	95.1	6.89	1.02	79.3	14.8
06/04/2019	08:20	9.97	100.4	6.85	0.48	80.9	15.7
06/21/2019	08:35	8.70	96.2	6.76	0.77	78.8	19.8
07/02/2019	08:50	8.31	97.3	6.89	0.58	79.7	22.9
07/16/2019	10:27	8.86	107.7	6.92	0.73	78.3	25.2
07/30/2019	08:20	9.36	111.9	6.89	0.36	79.3	25.8
08/13/2019	08:30	9.91	116.8	6.80	0.34	80.7	23.2
08/26/2019	08:35	6.96	78.3	7.07	0.36	88.5	21.1
09/10/2019	08:35	7.55	79.6	6.87	0.24	89.0	18.4
09/23/2019	08:35	8.08	88.4	6.73	0.29	90.0	19.9

27-SFR, Salmon Falls River, Milton Mills Bridge, Milton

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
05/24/2019	09:15	9.12	93.7	6.73	0.91	85.6	16.7
06/04/2019	08:45	9.35	94.4	6.78	0.56	84.5	15.9
06/21/2019	09:14	9.36	100.0	6.73	0.67	82.9	18.8
07/02/2019	09:10	8.42	98.1	6.99	0.57	84.7	22.7
07/16/2019	10:50	8.12	96.1	6.89	0.80	92.8	25.0
07/30/2019	08:45	8.07	97.5	6.97	0.43	89.1	25.3
08/13/2019	08:50			6.94	0.49	94.0	21.9
08/26/2019	09:05	6.96	75.8	6.96	0.49	99.9	19.9
09/10/2019	09:10	7.46	77.5	6.90	0.38	103.8	16.9
09/23/2019	09:00	8.29	88.6	6.87	0.35	108.8	18.7

06-BRA, Branch River, Route 153 Bridge, Wakefield

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
05/24/2019	08:20	7.74	76.8	6.51	1.16	125.1	14.9
06/04/2019	09:45	10.14	100.2	6.47	1.08	113.6	13.9
06/21/2019	10:05	8.96	91.2	6.47	1.53	120.5	16.6
07/02/2019	09:55	7.01	77.4	6.60	1.91	119.3	20.1
07/16/2019	11:43	8.10	95.4	6.56	2.09	131.9	22.3
07/30/2019	09:40	7.31	85.7	6.61	1.90	149.3	23.5
08/13/2019	09:40			6.61	1.63	163.7	20.3
08/26/2019	09:50	6.05	63.5	6.70	1.72	181.1	17.5
09/10/2019	09:55	5.89	58.2	6.63	1.97	190.4	15.1
09/23/2019	09:50	5.58	57.7	6.51	1.80	209.9	17.0

01-BRA, Branch River, Applebee Road Bridge Milton

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	835 µS/cm,^A	NA
05/24/2019	08:45	8.78	89.0	6.64	0.76	116.5	16.0
06/04/2019	09:15	9.98	99.1	6.65	0.63	105.5	15.0
06/21/2019	09:32	8.87	94.9	6.68	0.93	98.4	18.4
07/02/2019	09:30	10.10	116.1	6.79	0.82	113.6	21.3
07/16/2019	11:15	10.50	120.3	6.93	0.72	131.6	22.8
07/30/2019	09:10	10.40	120.5	6.88	0.93	136.3	22.9
08/13/2019	09:15			6.79	0.81	149.3	20.6
08/26/2019	09:30	7.87	81.6	6.85	0.82	145.8	16.8
09/10/2019	09:30	7.91	78.8	6.80	0.48	160.6	15.3
09/23/2019	09:35	8.89	93.9	6.82	0.52	169.5	18.0

