

New Hampshire Volunteer River Assessment Program

2019 Winnisquam Lake Tributaries 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

^B Chronic water quality standard

WICMERC02, Lake Wicwas Outlet, Mill Brook, Meredith

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Water Temp. ($^{\circ}\text{C}$)	Chloride (mg/L)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA	<230 mg/L ^B	Narrative
07/03/2019	16:35	6.32	78.8	6.24	0.21	103.3	26.4	24	0.013
07/26/2019	13:40	4.67	57.3	6.19	1.57	143.3	26.4	44	0.026
08/22/2019	11:40	6.65	77.1	6.20	1.07	188.1	22.2	47	0.020

03-CLNS, Collins Brook, Sanctuary Lane, Meredith

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Water Temp. ($^{\circ}\text{C}$)	Chloride (mg/L)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA	<230 mg/L ^B	Narrative
07/03/2019	16:20	7.62	91.1	6.56	0.23	165.5	24.3	44	0.016
07/26/2019	13:15	6.96	67.9	6.49	0.46	159.9	22.2	38	0.015
08/22/2019	11:15	8.58	96.0	6.43	0.40	164.0	20.7	39	0.015

WINPLACB, Black Brook, Sanbornton

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Water Temp. ($^{\circ}\text{C}$)	Chloride (mg/L)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA	<230 mg/L ^B	Narrative
07/03/2019	13:15	8.40	101.5	6.66	0.65	110.6	24.9	24	0.0176
07/26/2019	09:30	8.02	96.0	7.11	0.25	108.6	24.6	20	ND
08/22/2019	08:40	7.25	83.6	6.70	0.57	108.1	22.3	22	0.008

WINPLACW, Winnepesaukee River, Launching Dock, Laconia

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	835 µS/cm ^A	NA	<230 mg/L ^B	Narrative
07/03/2019	15:50	8.18	97.8	6.69	0.58	99.9	24.4	21	0.007
07/26/2019	12:40	5.70	71.3	6.39	0.31	99.3	26.6	19	0.005
08/22/2019	10:45	7.91	95.5	6.57	0.33	101.4	24.8	21	0.006

02-DKB, Durkee Brook, Route 3 Bridge, Laconia

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA	230 ^B	Narrative
07/03/2019	15:40	8.86	92.6	6.59	1.14	477.0	17.0	133	0.023
07/26/2019	12:20	8.35	87.8	6.63	1.44	512.0	17.3	119	0.013
08/22/2019	10:30	9.26	96.3	6.62	1.99	436.5	17.2	122	0.018

WINPLACI-UP, Chapman Brook, Bay Road Bridge, Sanbornton

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA	<230 mg/L ^B	Narrative
07/03/2019	14:00	6.80	87.2	6.44	1.98	84.5	28.2	14	0.034
07/26/2019	10:45	5.15	59.0	6.34	2.61	92.1	22.1	14	0.014
08/22/2019	09:10	3.86	41.8	6.40	2.77	94.4	18.9	14	0.021

01-JAY, Chapman Brook, Jay's Marina, Tilton

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm ^A	NA	<230 mg/L ^B	Narrative
07/03/2019	14:20	7.98	99.8	6.55	1.12	106.0	26.6	24	0.019
07/26/2019	11:05	8.07	99.0	6.65	1.13	110.5	25.5	19	0.013
08/22/2019	09:30	7.53	86.3	6.37	1.48	101.6	21.9	20	0.017

WINMBELI-UP, Durgin Brook, Mallards Landing, Belmont

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm^A	NA	<230 mg/L^B	Narrative
07/03/2019	15:10	8.17	103.0	6.76	0.56	117.2	27.4	25	0.017
07/26/2019	11:55	7.52	78.4	6.47	0.89	108.0	26.8	23	
08/22/2019	10:10	8.03	93.7	6.62	1.02	108.1	23.3	22	0.011

WINMBELO, Lake Winisquam Outlet, Lochemere Bridge, Tilton

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)	Total Phosphorus (mg/L)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm^A	NA	<230 mg/L^B	Narrative
07/03/2019	14:40	7.62	91.8	6.77	0.20	109.0	24.7	25	0.009
07/26/2019	11:30	6.80	93.0	6.44	0.36	107.0	26.3	18	0.008
08/22/2019	09:50	7.63	91.5	6.77	0.71	104.3	24.4	22	0.011

