

New Hampshire Volunteer River Assessment Program

2020 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: Mill Brook, Meredith (Lake Wicwas Outlet)

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
07/17/2020	10:55	7.26	82.8	7.04	1.93	107.0	21.5	24	0.018
08/27/2020	13:32			6.75	9.62				0.024

03-CLNS: Collins Brook, Meredith (Sanctuary Lane)

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
07/17/2020	10:40:00	8.40	93.5	5.51	0.32	133.1	19.6	32	0.013
08/27/2020	13:30:00			6.94	0.36			35	0.014

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
07/17/2020	11:25:00	7.94	91.6	5.36	0.60	105.5	21.6	23	<0.01
08/27/2020	10:19:00	8.66	92.4	5.77	0.70	96.1	19.5	22	0.004

WINPLACW: Winnepesaukee River, Laconia (Launching Dock)

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
07/17/2020	10:10	9.30	113.3	5.26	0.25		22.8	20	<0.01
08/27/2020	12:52			6.85	0.28			21	0.011

02-DKB: Durkee Brook, Laconia (Route 3 Bridge)

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
07/17/2020	09:10	13.50	134.4	6.06	1.42	433.0	15.5	123	0.011
08/27/2020	12:38			6.73	1.09			154	0.006

WINPLACI-UP: Chapman Brook, Sanbornton (Bay Road Bridge)

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
07/17/2020	11:40	5.33	59.6	5.53	2.98	89.3	20.6	26	0.024
08/27/2020	11:11	3.76	37.8	6.59	2.27	95.1	18.6	19	0.017

01-JAY: Chapman Brook, Tilton (Jay's Marina)

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
07/17/2020	11:55:00	6.74	80.0	5.92	3.98	116.4	21.2		
08/27/2020	11:32:00	6.55	69.2	6.84	1.23	103.1	19.8		

WINMBELI-UP: Durgin Brook, Belmont (Mallards Landing)

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 μ S/cm ^A	NA	<230 mg/L ^B	Narrative
07/17/2020	12:40:00	7.36	83.1	6.27	1.12	117.2	20.5	16	0.045
08/27/2020	12:12:00			7.02	0.96			24	0.010

WINMBELO: Lake Winisquam Outlet, Tilton (Lochemere Bridge)

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 μ S/cm ^A	NA	<230 mg/L ^B	Narrative
07/17/2020	12:10:00	7.92	92.1	6.32	0.27	110.2	22.3	24	<0.01
08/27/2020	11:52:00	7.03	80.5	6.88	0.42	101.1	22.0	24	0.010



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