
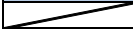


# 2018 WINNISQUAM LAKE TRIBUTARIES VRAP DATA

 Measurements not meeting New Hampshire surface water quality standards  
 Measurements not meeting NHDES quality assurance/quality control standards

<sup>A</sup> Specific conductance > 835 µS/cm indicate exceedance of chronic chloride standard of 230 mg/L

<sup>B</sup> Chronic water quality standard

<sup>C</sup> Calculated using 1/2 of the 0.25 mg/L detectin limit of Total Kjeldahl Nitrogen (0.125 mg/L) and/or 1/2 of the 0.050 mg/L detection limit of Nitrate+Nitrite (0.025 mg/L)

## WICMERC02, Lake Wicwas Outlet, Mill Brook, Meredith

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)	Total Phosphous
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	NA	NA	<230 mg/L <sup>B</sup>	Narrative
07/30/2018	12:35	<del>3.31</del>	<del>39.2</del>	<del>6.26</del>	16.4		23.6	108	0.049
08/21/2018	13:10	4.89	62.3	6.09	11.2	361.3	21.6	115	0.062

## 03-CLNS, Collins Brook, Sanctuary Lane, Meredith

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)	Total Phosphous
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	NA	NA	<230 mg/L <sup>B</sup>	Narrative
07/30/2018	12:23	<del>5.04</del>	<del>56.2</del>	<del>6.48</del>	0.35		21.3		
08/21/2018	13:00	8.46	92.4	6.39	0.34	167.8	19.8	53	0.014

## WINPLACB, Winnisquam Lake Outlet, Black Brook, Laconia

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)	Total Phosphous
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	NA	NA	<230 mg/L <sup>B</sup>	Narrative
07/30/2018	09:47	8.35	94.0	6.75	0.96		23.4	20	0.008
08/21/2018	09:50	8.95	104.9	6.67	0.40	109.4	22.2	25	0.010

## 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 Phosphous
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	NA	NA	<230 mg/L <sup>B</sup>	Narrative
07/30/2018	11:52	<del>5.40</del>	<del>63.7</del>	<del>6.66</del>	0.53		25.2	18	0.007
08/21/2018	12:15	8.22	98.2	6.92	1.10	107.1	23.6	25	0.007

**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 Phosphous
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 µS/cm <sup>A</sup>	NA	230 <sup>B</sup>	Narrative
07/30/2018	11:42	<del>4.87</del>	<del>56.0</del>	<del>6.65</del>	2.38		18.0	141	0.015
08/21/2018	11:50	7.72	80.2	6.45	1.55	458.0	17.4	155	0.019

**WINPLACI-UP, Winnisquam Lake Inlet, Chapman Brook, Sanbornton**

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (uS/cm)	Water Temp. (°C)	Chloride (mg/L)	Total Phosphous
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	NA	NA	<230 mg/L <sup>B</sup>	Narrative
07/30/2018	10:30	<del>4.30</del>	<del>51.3</del>	<del>6.07</del>	2.97		24.1	18	0.029
08/21/2018	10:30	5.19	60.2	5.98	3.62	92.0	21.5	16	0.032

**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 Phosphous
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	NA	NA	<230 mg/L <sup>B</sup>	Narrative
07/30/2018	13:14	<del>4.61</del>	<del>57.0</del>	<del>6.29</del>	2.23		26.2		
08/21/2018	10:55	6.98	82.4	6.89	0.83	103.0	22.7	27	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 Phosphous
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	NA	NA	<230 mg/L <sup>B</sup>	Narrative
07/30/2018	11:12	<del>5.83</del>	<del>71.0</del>	<del>6.60</del>	0.66		25.0	22	0.015
08/21/2018	11:30	7.10	83.2	6.29	0.90	149.0	21.0	40	0.015

**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 Phosphous
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	NA	NA	<230 mg/L <sup>B</sup>	Narrative
07/30/2018	10:51	<del>6.27</del>	<del>77.3</del>	<del>6.85</del>	0.37		25.0	21	0.008
08/21/2018	11:10	7.02	89.0	6.66	0.51	106.6	24.0	25	0.009