

WESSERUNSETT LAKE WATER QUALITY MONITORING RESULTS - 2018

12/29/18_{wfr}

DATE	S. D.	TP	COLOR	SURFACE TEMP.	RANGE		GLOEO DENSITY	RAINFALL SINCE	
					D. O.	TEMP.		Last Sample	Ice Out
1-Jun	5.80m (19.0ft)	<i>n.d.</i>	20	<i>n.d.</i>	9.8 to 8.6 mg/l	20.4°C to 17.6°C	0+	<i>n/a</i>	1.90"
22-Jun	5.92m (19.4ft)	<i>n.d.</i>	18	22.5°C (72.5°F)	7.4 to 7.1 mg/l	22.4°C to 21.3°C	0+	2.22"	4.12"
9-Jul	6.15m (20.2ft)	<i>n.d.</i>	18	25.0°C (77.0°F)	7.5 to 7.0 mg/l	25.3°C to 21.9°C	0	3.36"	7.48"
20-Jul	5.91m (19.4ft)	7 ppb	20	24.0°C (75.2°F)	7.3 to 6.9 mg/l	24.5°C to 23.4°C	0	0.55"	8.03"
17-Aug	4.53m (14.9ft)	<i>n.d.</i>	15	25.5°C (77.9°F)	6.6 to 6.4 mg/l	25.4°C to 25.1°C	0	6.85"	14.88"
31-Aug	6.54m (21.5ft)	7 ppb	20	24.0°C (75.2°F)	<i>n.d.</i>	<i>n.d.</i>	0	2.04"	16.92"
14-Sep	6.97m (22.9ft)	<i>n.d.</i>	20	22.0°C (71.6°F)	7.4 to 5.9 mg/l	22.0°C to 21.1°C	0	0.92"	17.84"
MEAN	5.97m (19.58ft)	7 ppb	18.7	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>

NOTES:

1. Two monitors were certified by the Lake Stewards of Maine (Volunteer Lake Monitoring Program).
Primary Monitor: John Bonsall. Assistant Monitor: Jay Conway. Admin. Support: William Reid.
2. Ice Out Apr 29 (Julian Day 119) vs. Apr 28 (Julian Day 118) in 2017
3. S. D. = Secchi Disk (Clarity) Depth. One or two certified monitors took the readings. The depths are either single readings or the averages of all readings when more than one was taken, including any duplicate by the same person.
4. TP = Total Phosphorus Surface Grab Sample. Analyses by State Health & Environmental Testing Laboratory (HETL).
5. COLOR = Apparent color in APHA Platinum Cobalt Units as measured by Hach Color Test Kit, Model CO-1. All of the estimates were by Bonsall.
6. Surface Temp. = as measured at ~ 6" below surface to nearest 0.5°C by an armored Centigrade thermometer on a string with float.
7. D. O. & Temp. Range = Dissolved Oxygen & Temperature profile as measured from surface to 7m with a YSI 550A meter.
8. GLOEO DENSITY = density of *Gloeotrichia echinulata* according to LSM Abundance Estimation Density Scale.
9. RAINFALL = from rain gauge records of Reid since last sampling date and since ice-out (Apr 29).
10. *n/a* = not applicable.

11. *n.d.* = no data.

12. See full Wesserunsett Lake Water Quality Report - 2018 for more details.