

Lake Quonnipaug, Guilford

Water Data 2020

Water data was collected for Lake Quonnipaug on July 6, 2020
by Summer Stebbins and Maylani Velazquez.

Table 1. Dissolved oxygen and temperature. The transparency (Secchi) was 3.5 m.

Latitude	Longitude	Date	Depth (m)	Dissolved Oxygen (mg/L)	Temperature (°C)
41.391706 41°23'30.1"N	-72.69695 72°41'49.0"W	7/6/2020	0.5	8.0	27.2
			1	7.3	27.0
			2	7.1	26.1
			3	6.7	24.5
			4	5.2	20.7
			5	4.5	16.7
			6	3.8	12.8
			7	3.2	10.6
			8	2.0	9.1
			9	0.8	8.2
			10	0.4	7.8
			11	0.4	7.4
			12	0.4	7.0
13	0.4	6.8			

Table 2. Water chemistry

Depth (m)	Conductivity (µs/cm)	pH	Alkalinity expressed as Calcium Carbonate (mg/L)	Phosphorus (parts per billion)	Nitrogen (parts per billion)
0.5	133	7.6	56.3	9	555
13.0	193	6.2	63.0	13	524