

Lake Quonnipaug, Guilford

Water Data 2004

Water data was collected for Lake Quonnipaug on September 28, 2005
by Dr. Robert Capers and Roslyn Selsky.

Table 1. Dissolved oxygen and temperature. The transparency (Secchi) was 3.9 m.

Latitude	Longitude	Date	Depth (m)	Dissolved Oxygen (mg/L)	Temperature (°C)
41.39192 41°23'30.9"N	-72.69683 72°41'48.6"W	9/28/2005	0.5	8.5	23.3
			1	8.3	23.3
			2	8.2	23.2
			3	8.2	23.2
			4	7.9	21.6
			5	8.6	17.8
			6	8.6	14.9
			7	7.3	11.5
			8	6.0	10.0
			9	4.7	9.0
			10	3.7	8.4
			11	3.3	8.1
			12	1.5	7.9
			13	0.2	7.7
14	0.0	7.6			

Table 2. Water chemistry

Date	Depth (m)	Conductivity (µs/cm)	pH	Alkalinity expressed as Calcium Carbonate (mg/L)	Phosphorus (parts per billion)
9/28/2005	0.5	92	7.6	32	18
	9.0	93	6.7	38	15
	13.0	100	6.7	-	20