

Alexander Lake, Killingly

Water Data 2005

Water data was collected for Alexander Lake on July 13, 2005
by Robert Capers, Greg Bugbee, Brandon Russell, and Phil Nista.

Table 1. Dissolved oxygen and temperature. The transparency (Secchi) was 5.8 m.

Latitude	Longitude	Date	Depth (m)	Dissolved Oxygen (mg/L)	Temperature (°C)
41.86072 41°51'38.6"N	-71.89911 71°53'56.8"W	7/13/2005	0.5	7.7	24.6
			1	7.7	24.5
			2	8	24.5
			3	8.1	24.0
			4	7.5	23.3
			5	7.3	22.6
			6	8.9	20.3
			7	9.5	17.8
			8	7.6	16.0
			9	9.1	13.9
			10	5.8	14.0
			11	5.6	13.9
			12	5.4	13.8
			13	4.9	13.6
			14	4.5	13.6
15	4.1	13.5			

Table 2. Water chemistry

Date	Depth (m)	Conductivity (µs/cm)	pH	Alkalinity expressed as Calcium Carbonate (mg/L)	Phosphorus (parts per billion)
7/13/2005	0.5	29	5.9	3.8	22.0
	15.0	32	5.5	6.8	34.0