

2007 Parameter Data: pH in Lakes, Ponds, and Reservoirs

The standard measurement of acidity is pH. A pH of less than 7 is acidic; above pH 7 is alkaline, also known by the term "basic." The pH measurement is a logarithmic measurement, which means that each unit decrease in pH equals a ten-fold increase in acidity. In other words, pH 5 water is ten times more acidic than pH 6 water. Aquatic organisms need the pH of their water body to be within a certain range for optimal growth and survival. Although each organism has an ideal pH, most aquatic organisms prefer pH of 6.5 – 8.0.

The normal pH range for lakes and ponds is between 6 and 9 pH units.

Watershed	LOCATION	Sample Depth (m)	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	pH		----- Standard pH units -----						
WD	ALTON POND	1	6.3	-	6.5	-	-	6.3	6.4
S	ASA POND	1	6.8	-	6.5	-	-	6.5	6.6
WD	BARBER POND	1	-	6.4	6.5	-	-	-	6.4
WD	BARBER POND	4.5	-	6.1	7.1	-	-	-	6.6
A	BELLEVILLE POND - LOWER	1	6.9	-	6.7	-	-	6.7	6.7
A	BELLEVILLE POND - UPPER	0.5	6.8	-	6.9	-	-	-	6.9
TH	BILLINGS LAKE (CT)	1	6.6	-	6.8	-	-	6.6	6.7
TH	BILLINGS LAKE (CT)	7	-	-	6.2	-	-	6.1	6.2
PA	BLACKAMORE POND	1	6.9	-	8.0	-	-	6.8	7.2
TH	BLUE LAKE	1	6.9	-	7.2	-	-	7.1	7.1
WD	BOONE LAKE	1	6.8	-	6.4	-	-	6.6	6.6
WD	BOONE LAKE	5	6.3	-	6.2	-	-	7.0	6.5
TH	BOWDISH RESERVOIR	1	5.9	-	6.1	-	6.2	-	6.1
WD	BREAKHEART POND	1	6.6	-	-	6.4	-	6.4	6.5
TH	CARBUNCLE POND	1	6.2	-	-	6.9	-	6.6	6.6
TH	CARBUNCLE POND	6.5	-	-	-	6.2	-	6.4	6.3
PE	CARR POND (NK)	1	6.7	-	6.8	-	-	-	6.7
PE	CARR POND (NK)	4.5	6.4	-	6.5	-	-	-	6.4
PA	CARR POND (WG)	1	5.3	-	5.3	-	-	5.1	5.2
PA	CARR POND (WG)	9	5.3	-	5.7	-	-	5.3	5.4
R	CENTRAL POND (Turner Reservoir-north)	1	7.1	-	-	-	-	7.6	7.3
WD	CHAPMAN POND	1	7.2	-	7.3	-	-	-	7.2
CW	DEEP POND	1	6.4	-	6.1	-	-	6.4	6.3
CW	DEEP POND	5	6.0	-	6.1	-	-	6.1	6.1
WD	EISENHOWER LAKE	1	6.5	-	6.5	-	-	6.3	6.4
PA	FLAT RIVER RESERVOIR	1	6.5	-	6.2	6.6	-	-	6.4
PA	FLAT RIVER RESERVOIR	7	5.9	-	6.2	6.4	-	-	6.1
WO	GEORGIAVILLE POND	1	7.1	-	7.1	-	-	6.7	7.0
WO	GEORGIAVILLE POND	6	6.5	-	6.8	-	-	6.7	6.7
NA	GORTON POND	1	7.1	-	7.2	-	-	7.0	7.1
NA	GORTON POND	8	6.9	-	6.8	-	-	6.6	6.8
B	HANDY POND	1	7.7	-	7.2	-	-	6.8	7.2

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Code	pH		----- Standard pH units -----						
WO	HAWKINS POND	1	6.6	-	6.6	-	-	6.6	6.6
WD	HUNDRED ACRE POND	1	7.1	-	6.8	-	-	7.1	7.0
WD	HUNDRED ACRE POND	6	-	-	6.2	-	-	6.4	6.3
S	INDIAN LAKE	1	6.7	-	6.4	-	-	6.5	6.5
B	KEECH POND	1	6.1	-	6.2	-	-	6.1	6.1
WD	LARKIN POND	1	-	-	1.9	-	-	-	-
WD	LARKIN POND	8	-	-	6.3	-	-	-	-
CE	LILY POND	1	6.8	-	6.6	-	-	6.7	6.7
PA	LITTLE POND	1	6.7	-	6.7	6.6	-	6.9	6.7
PA	LITTLE POND	5	6.3	-	6.7	6.6	-	6.2	6.5
WD	LOCUSTVILLE POND	1	6.2	-	6.4	-	-	6.3	6.3
S	LONG POND (SK)	1	6.2	-	6.1	-	-	5.9	6.1
S	LONG POND (SK)	7	-	-	5.8	-	-	6.0	5.9
WD	MEADOWBROOK POND	1	6.3	-	6.6	-	-	6.2	6.4
NA	MELVILLE P - UPPER	1	6.9	-	7.1	-	-	7.1	7.0
PA	MISHNOCK LAKE	1	6.7	-	6.6	6.6	-	6.6	6.6
PA	MISHNOCK LAKE	4	6.8	-	6.4	6.2	-	6.8	6.5
PA	MISHNOCK LAKE - LITTLE	1	6.5	-	6.2	6.4	-	6.6	6.4
PA	PONAGANSETT RESERVOIR	1	5.6	-	5.9	-	-	5.7	5.7
PA	PONAGANSETT RESERVOIR	9	5.6	-	5.7	-	-	6.1	5.8
NA	PRINCE'S POND	1	7.0	-	6.7	-	-	7.7	7.1
NA	PRINCE'S POND	3	7.0	-	7.0	-	-	6.9	7.0
WD	QUEEN @ USQUEPAUGH (Glen Rock Reservoir)	1	6.2	-	6.2	-	-	6.3	6.2
PA	RANDALL POND	1	7.8	-	7.4	-	-	7.8	7.6
PA	SAND POND	1	6.4	-	6.6	-	-	7.4	6.8
PA	SAND POND	7	6.1	-	6.2	-	-	6.1	6.1
S	SAUGATUCKET POND	1	6.7	-	6.9	-	-	6.8	6.8
CW	SCHOOLHOUSE P. - LOWER	1	6.5	-	5.8	-	-	6.4	6.2
CW	SCHOOLHOUSE P. - LOWER	6+	-	-	-	-	-	6.9	6.9
CW	SCHOOLHOUSE P. - UPPER	1	6.4	-	6.3	-	-	6.4	6.4
CW	SCHOOLHOUSE P. - UPPER	6+	-	-	-	-	-	6.8	6.8
B	SCOTT POND	1	9.8	-	9.1	-	-	6.7	8.5
B	SCOTT POND	9	9.8	-	6.7	-	-	6.4	7.6
A	SECRET LAKE	1	7.1	-	6.7	-	-	7.0	6.9
S	SILVER LAKE	1	7.0	-	6.8	6.9	6.9	6.6	6.8
S	SILVER LAKE	7	6.5	-	6.3	6.9	6.5	6.3	6.5
PE	SILVER SPRING LAKE	1	6.6	-	6.7	-	-	6.7	6.7

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			----- Standard pH units -----						
CE	SIMMONS MILL POND	1	6.1	-	6.2	-	-	6.3	6.2
WO	SLACK'S RESERVOIR	1	7.0	-	6.8	-	-	6.6	6.8
WO	SLACK'S RESERVOIR	4	6.8	-	7.1	-	-	6.7	6.9
TE	SLATER POND	1	7.7	-	7.0	-	6.9	6.7	7.0
B	SLATERSVILLE RES. - UPPER	1	6.6	-	6.5	-	-	6.6	6.5
B	SLATERSVILLE RES. - UPPER	5.5	6.6	-	6.8	-	-	6.6	6.7
B	SMITH & SAYLES RESERVOIR	1	6.3	-	6.5	6.4	-	-	6.4
WD	SPALDING POND	1	6.3	-	6.4	-	-	6.7	6.4
PA	SPECTACLE POND	1	7.4	-	7.1	8.0	-	7.2	7.4
PA	SPECTACLE POND	4	7.9	-	6.7	6.8	-	6.9	7.1
B	SPRING GROVE POND	1	6.3	-	6.3	-	-	5.9	6.2
B	SPRING LAKE	1	6.4	-	6.5	-	-	6.5	6.4
B	SPRING LAKE	5	6.3	-	6.9	-	-	7.4	6.8
TA	STAFFORD POND	1	6.5	-	6.7	-	-	6.7	6.6
TA	STAFFORD POND	7	7.6	-	6.8	-	-	6.6	7.0
PA	TIOGUE LAKE	1	6.8	-	7.0	6.9	-	6.9	6.9
WD	TUCKER POND	1	5.6	-	5.8	6.6	-	6.1	6.0
WD	TUCKER POND	7.5	5.7	-	6.3	-	-	6.0	6.0
PA	UPPER DAM POND	1	6.7	-	6.4	-	-	6.7	6.6
B	VALLEY FALLS POND	0.5	7.3	-	7.2	-	-	7.1	7.2
B	WALLUM LAKE	1	6.2	-	6.1	-	-	7.0	6.4
B	WALLUM LAKE	5	6.3	-	7.2	-	-	7.2	6.9
NA	WARWICK POND	1	7.3	-	9.5	7.6	-	6.9	7.8
NA	WARWICK POND	5.5	7.2	-	6.6	6.5	-	6.7	6.7
WD	WATCHAUG POND	1	6.2	-	6.1	-	-	-	6.2
WD	WATCHAUG POND	10	-	-	6.9	-	-	-	-
WO	WATERMAN RESERVOIR	1	6.5	-	6.5	-	-	6.8	6.6
NA	WESQUAGE POND	1	7.0	-	7.0	-	-	7.7	7.2
WD	WHITE POND	1	5.0	-	5.2	-	-	4.9	5.0
WD	WHITE POND	8	5.0	-	4.9	-	-	5.1	5.0
WD	WINCHECK POND	1	5.2	-	5.6	5.7	-	5.7	5.6
WD	WINCHECK POND	5	4.8	-	5.4	5.1	-	6.0	5.4
WO	WOONASQUA - STUMP	1	6.7	-	7.5	-	-	6.9	7.0
WD	WORDEN POND	1	6.5	-	-	6.6	-	6.7	6.6
WD	WYASSUP LAKE	1	6.7	-	7.0	-	-	7.0	6.9
WD	YAWGOO POND	1	6.4	6.5	6.6	6.6	6.6	6.5	6.5
WD	YAWGOO POND	10	6.6	6.2	6.2	6.4	6.3	6.9	6.4