

2004 Parameter Data: pH

pH Data for Rivers and Tributaries

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

Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	RIVER & BROOK SITES	----- Standard pH units -----						
CE	Bailey's Brook	7.5	^	7.4	7.3	^	6.9	7.3
NA	Buckeye Brook @ Novelty Rd	7.2	7.1	7.1	7.0	7.0	6.9	7.0
NA	Buckeye Brook @ Lockwood Brook	^	6.5	6.3	6.0	6.4	^	6.3
NA	Buckeye Brook @ Warner Rd	^	6.3	6.5	6.6	6.6	^	6.5
NA	Buckeye Brook @ Mill Cove	7.0	6.9	7.0	6.4	6.6	6.7	6.8
WD	Falls River A - Twin Bridges	6.4	6.5	6.8	6.7	6.5	6.5	6.6
WD	Falls River B - Sand Banks	6.3	6.5	6.6	6.5	6.5	6.4	6.5
WD	Falls River C - Austin Farm	6.2	6.7	7.0	6.8	6.7	6.6	6.7
WD	Falls River D - Step Stone	6.0	6.2	6.7	6.2	6.2	6.2	6.2
WD	Green Falls #1 - Green Falls Rd	^	7.0	6.6	6.8	6.7	6.6	6.7
WD	Green Falls #2 - Putker Rd	^	6.9	6.7	6.8	6.7	6.2	6.7
WD	Green Falls #3 - Clark Falls Rd	^	7.2	6.8	6.7	6.8	6.5	6.8
A	Himes River (NK)	6.1	6.1	6.6	6.3	6.4	5.6	6.2
WD	Locv – Brushy Brook @ Sawmill	5.5	6.1	6.5	6.2	5.7	5.3	5.9
WD	Locv – Brushy Brook @ Woody	5.0	5.7	6.1	5.6	5.1	5.1	5.4
WD	Locv – Moscow Brook @ Sawmill	5.7	7.1	6.6	6.3	6.5	6.3	6.4
TH	Moosup River A - Fairbanks	6.5	6.4	6.7	6.6	6.5	6.6	6.5
TH	Moosup River B - Trestle Trail	6.3	6.5	6.8	6.7	6.5	6.5	6.5
TH	Moosup River - Upstream	6.8	7.0	6.8	6.5	6.8	6.6	6.7
PE	NR 01- Gilbert Stuart	6.3	6.7	6.8	^	6.9	^	6.7
PE	NR 02 - Upper Pond 0.5M	^	8.3	8.4	7.2	^	^	7.9
PE	NR 02 - Upper Pond 3.0M	7.5	0.0	8.0	8.2	^	^	5.9
PE	NR 03 - Lower Pond A 0.5M	^	8.3	8.3	8.4	8.5	^	8.4
PE	NR 03 - Lower Pond A 3.0M	7.9	7.6	7.9	7.4	7.7	^	7.7
PE	NR 04 - Lower Pond B 0.5M	^	8.2	8.3	8.3	8.4	^	8.3
PE	NR 04 - Lower Pond B 3.0M	7.6	7.8	^	7.6	7.7	^	7.7
PE	NR 05 - Lacey Bridge	7.5	8.1	7.9	8.1	8.1	^	7.9
PE	NR 06 - Mettatuxet Beach	7.6	7.9	7.6	7.9	8.1	^	7.8
PE	NR 07 - End of Narrows	^	7.7	7.7	7.8	8.2	^	7.8
PE	NR 08 - Middlebridge	^	7.7	7.7	7.7	7.9	^	7.7
PE	NR 09 - Pettaquamscutt	^	^	7.8	^	7.8	^	7.8
PE	NR 10 - Sprague Bridge	7.7	7.7	7.6	7.9	7.8	^	7.7
PE	NR 11 - Mettatuxet Brook	^	6.1	^	7.9	7.9	^	7.3
PE	NR 12 - Mumford Brook	6.2	6.3	6.4	6.3	6.4	^	6.3

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Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	RIVERS (Continued)	----- Standard pH units -----						
WD	Pawcatuck River - Avondale 0.5M	7.0	7.8	^	7.4	7.9	7.9	7.6
WD	Pawcatuck River - Avondale 3.0M	8.0	7.8	8.0	7.5	8.1	^	7.9
WD	Pawcatuck River - Bradford	6.4	6.4	^	6.6	6.3	5.5	6.2
WD	Queen River @ Brownell's	6.3	6.4	6.5	6.4	6.5	6.2	6.4
WD	Queen River @ Sand Bridge (TNC)	6.1	6.6	6.6	^	6.5	6.2	6.4
WD	Queen River @ Locke Brk	6.1	6.8	6.6	7.0	6.8	6.1	6.6
WD	Queen River @ Sherman Brk	5.8	6.4	6.0	6.2	6.4	5.5	6.0
WD	Shickasheen @ Rte 2	^	5.7	^	6.9	5.6	^	6.1
WD	Shickasheen @ Miskiania Road	^	6.7	6.9	^	6.7	6.4	6.7
WD	Shickasheen @ Potter Road	^	6.1	6.3	^	^	^	6.2
WD	Shickasheen @ Barber Pond outlet	^	6.3	6.4	^	^	6.2	6.3
WD	Shickasheen @ Rte 138	^	6.1	6.3	^	6.3	6.1	6.2
WD	Shickasheen @ Liberty Lane	6.4	6.2	6.3	^	6.1	6.1	6.2
WD	Shunock River @ Babcock	6.8	^	6.6	^	^	6.5	6.7
WD	Shunock River @ Hewitt	6.7	^	6.8	^	^	6.8	6.7
WO	Woonasquatucket River @ Donigian	7.1	7.0	7.1	^	7.5	7.0	7.1

Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	TRIBUTARIES	----- Standard pH units -----						
WD	Asseconk Swamp	6.6	^	6.7	^	^	6.4	6.6
WD	Barber - Mud Brook	6.1	^	5.9	^	^	5.8	5.9
A	Belleville @ RR Xing	6.4	^	6.9	^	^	6.6	6.7
A	Belleville @ Sluiceway	6.8	^	7.1	^	^	6.8	6.9
PE	Carr Inlet (NK)	^	^	6.5	^	^	6.4	6.4
WO	Georgiaville @ Capron Pond	7.0	^	6.9	^	^	6.9	7.0
WO	Georgeville @ Harris	6.6	^	6.9	^	^	6.7	6.7
GB	Greenwich Bay - 01 (Maskerchugg River)	7.0	6.9	6.5	6.6	6.5	6.8	6.7
GB	Greenwich Bay - 02 (Gorton Pond outflow)	6.9	6.4	6.7	6.7	6.8	6.8	6.7
GB	Greenwich Bay - 03 (Hardig Brook @ Rte 115)	6.8	7.3	7.0	6.9	7.7	6.9	7.1
GB	Greenwich Bay - 04 (Mill Creek)	^	6.7	6.7	6.4	6.8	6.5	6.6
GB	Greenwich Bay - 05 (Hardig Brk @ Health Ctr)	6.9	7.0	7.4	6.8	7.2	6.7	7.0
GB	Greenwich Bay - 06 (Tuscatucket Brook)	6.5	6.7	6.5	6.6	6.6	6.4	6.5
GB	Greenwich Bay - 07 (Southern Creek)	^	6.4	6.7	6.4	6.7	6.5	6.5
WD	Pasquissett Tributary	5.9	^	^	^	^	6.0	6.0
H	Saw Mill Tributary	6.3	6.3	6.7	^	6.6	6.4	6.5
A	Secret - Oak Hill East	6.7	^	6.7	^	^	6.8	6.7
A	Secret - Oak Hill West	6.5	^	6.6	^	^	6.8	6.6
A	Secret - Shore Drive	6.4	^	6.1	^	^	6.1	6.2
B	Smith & Sayles @ Keech	5.9	^	6.3	^	^	^	6.1
B	Smith & Sayles @ Balcom	5.3	^	6.2	^	^	6.4	5.9
B	Smith & Sayles @ O'Donnel	6.3	^	5.9	^	^	^	6.1

