

2005 Parameter Data: pH in Rivers / Brooks, 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 rivers and streams in Rhode Island is between 6 and 8 pH units.

River sites arranged upstream to downstream when appropriate.

Watershed	RIVER & BROOK SITES	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	pH	----- Standard pH units -----						
CE	Bailey's Brook	7.1	6.4	6.6	6.8	-	7.0	6.8
NA	Buckeye Brook @ Novelty Rd	7.0	7.0	7.5	7.0	7.5	6.7	7.1
NA	Buckeye Brook @ Lockwood Brook	6.8	6.5	6.8	6.7	6.9	6.0	6.6
NA	Buckeye Brook @ Warner Brook	6.7	6.5	6.3	6.9	6.4	7.8	6.8
NA	Buckeye Brook @ Mill Cove	6.8	7.2	6.8	6.9	7.0	6.4	6.9
WD	Falls River D - Step Stone Falls	6.6	6.4	6.5	6.6	6.8	5.8	6.4
WD	Falls River C - Austin Farm Rd.	7.0	6.7	6.7	7.0	7.1	6.0	6.8
WD	Falls River B - Sand Banks	6.9	6.6	6.8	6.3	6.6	6.0	6.5
WD	Falls River A - Twin Bridges	7.0	6.5	6.9	6.8	6.8	6.1	6.7
TH	Moosup River - Upstream	6.8	6.5	6.7	6.6	7.2	6.3	6.7
TH	Moosup River A - Fairbanks Bridge	6.5	6.7	6.1	6.4	5.9	6.3	6.3
TH	Moosup River B - Trestle Trail	6.5	6.6	6.4	6.6	6.2	6.5	6.5
M	Moshassuck River - Collyer Field	6.9	7.0	7.1	6.1	7.2	6.7	6.8
PE	Narrow River 01- Gilbert Stuart	6.6	6.8	7.4	6.3	6.8	-	6.8
PE	Narrow River 02 - Upper Pond 0.5M	-	7.7	8.4	7.9	8.2	-	8.0
PE	Narrow River 02 - Upper Pond 3.0M	6.2	7.6	8.1	-	7.5	-	7.3
PE	Narrow River 03 - Lower Pond A 0.5M	7.8	7.7	8.4	8.7	8.2	-	8.2
PE	Narrow River 03 - Lower Pond A 3.0M	8.0	7.9	7.3	7.5	7.3	-	7.6
PE	Narrow River 04 - Lower Pond B 0.5M	7.8	7.7	8.1	8.0	8.1	-	7.9
PE	Narrow River 04 - Lower Pond B 3.0M	7.8	8.0	7.9	7.7	7.6	-	7.8
PE	Narrow River 05 - Lacey Bridge	7.6	7.6	8.2	7.9	8.1	-	7.9
PE	Narrow River 06 - Mettatuxet Beach	7.5	-	8.1	-	8.1	-	7.9
PE	Narrow River 07 - End of Narrows	7.5	7.3	8.0	7.9	8.1	-	7.7
PE	Narrow River 08 - Middlebridge	7.5	7.5	7.8	7.7	7.9	-	7.7
PE	Narrow River 09 - Pettaquamscutt	8.0	-	-	8.0	-	-	8.0
PE	Narrow River 10 - Sprague Bridge	-	7.0	7.6	7.7	8.0	-	7.6
PE	Narrow River 11 - Mettatuxet Brook	7.3	6.2	7.1	6.7	7.4	-	7.0
PE	Narrow River 12 - Mumford Brook	6.4	6.3	6.7	6.5	6.5	-	6.5
PE	Narrow River 15 - Crooked Brook Farm	4.5	4.6	-	-	-	4.4	4.5
PE	Narrow River 16 - Crooked Brook School	4.5	4.5	-	-	-	4.3	4.4
WD	Pawcatuck River @ Avondale 0.5M	-	7.2	7.9	8.1	8.1	-	7.8
WD	Pawcatuck River @ Avondale 3.0M	8.1	8.0	8.0	8.1	8.1	6.6	7.8

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Watershed	RIVER & BROOK SITES	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	(continued)	----- Standard pH units -----						
WD	Queen Riv. @ Wm Reynolds Rd. (Brownell's)	6.2	6.4	6.4	5.9	-	-	6.2
WD	Queen River @ Sand Bridge (TNC)	6.2	6.3	6.5	6.7	6.5	4.7	6.1
WD	Queen River @ Locke Brk	-	6.7	6.7	7.0	7.5	4.9	6.6
WD	Queen River @ Sherman Brk	5.9	6.0	6.3	5.4	6.0	4.8	5.7
WD	Shunock River @ Babcock	7.0	-	6.7	-	-	5.2	6.3
WD	Shunock River @ Hewitt	7.0	-	6.5	-	-	4.5	6.0
WO	Woonasquatucket R. @ Cricket Park	-	-	6.5	6.9	6.9	6.9	6.8
WO	Woonasquatucket R @ Donigian Park	7.0	-	6.7	7.0	7.2	6.9	6.9
Watershed	TRIBUTARY SITES	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	pH	----- Standard pH units -----						
WD	Asseconk Swamp	-	-	6.5	-	-	6.1	6.3
WD	Barber - Mud Brook	6.0	6.3	-	6.0	-	-	6.1
A	Belleville @ RR Xing	6.9	-	7.1	-	-	7.0	7.0
A	Belleville @ Sluiceway	7.2	-	6.8	-	-	7.0	7.0
PE	Carr Inlet (NK)	6.3	-	6.5	-	6.6	-	6.5
WO	Georgiaville @ Capron Pond	6.8	6.8	-	7.2	-	5.6	6.6
WO	Georgeville @ Harris	6.9	6.8	-	6.9	-	6.1	6.7
GB	Greenwich Bay - 01 (Maskerchugg River)	6.6	6.6	6.5	6.6	6.5	6.6	6.6
GB	Greenwich Bay - 02 (Gorton Pond outflow)	6.7	6.7	6.8	6.5	7.2	6.9	6.8
GB	Greenwich Bay - 03 (Hardig Brook @ Rte 115)	6.8	7.2	6.9	6.8	7.2	6.8	6.9
GB	Greenwich Bay - 04 (Mill Creek)	6.5	6.6	6.5	6.4	6.4	6.5	6.5
GB	Greenwich Bay - 05 (Hardig Brk @ Health Ctr)	6.8	6.8	6.8	6.8	7.0	6.3	6.7
GB	Greenwich Bay - 06 (Tuscatucket Brook)	6.6	6.9	7.4	6.7	6.6	6.4	6.8
GB	Greenwich Bay - 07 (Southern Creek)	6.6	6.4	6.7	6.6	6.7	6.2	6.5
WD	Locv – Brushy Brook @ Sawmill	5.7	-	6.3	-	-	-	6.0
WD	Locv – Brushy Brook @ Woody	5.1	-	6.1	-	-	-	5.6
WD	Locv – Moscow Brook @ Sawmill	5.8	-	6.6	-	-	-	6.2
SK	Nanaqua. Trib @ Quaket Brook	7.8	-	6.8	7.7	-	4.8	6.8
SK	Nanaqua. Trib @ Sin & Flesh Brook	7.5	-	8.0	7.7	-	6.7	7.5
SK	Nanaqua. Trib @ White Wine Brook	7.5	-	7.3	7.6	-	7.2	7.4
WD	Pasquisett Tributary	5.9	-	6.9	-	-	5.1/5.6	5.9
H	Saw Mill Tributary (Sandhill Brook)	6.3	-	-	6.7	-	5.7	6.2
A	Secret - Oak Hill Brook West	6.4	-	6.2	-	-	5.7	6.1
A	Secret - Oak Hill Brook East	-	-	6.7	-	-	5.9	6.3
A	Secret - Shore Dr.	-	-	6.9	-	-	6.0	6.5
WD	Shickasheen @ Rte 2	5.9	6.2	-	-	-	-	6.0
WD	Shickasheen @ Miskiania Road	6.8	7.1	-	7.4	-	-	7.1
WD	Shickasheen @ Potter Road	6.3	6.4	6.4	6.5	6.4	5.4	6.2
WD	Shickasheen @ Barber Pond outlet	-	6.6	-	6.8	-	-	6.7

