

2002 Parameter Data: pH

2002 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.

Section 1. Rivers; Listed alphabetically, upstream to downstream.

| LOCATION | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | MEAN |
|----------------------------|------------------|-----------|------|------|-------|------|------|
| | ----- (pH) ----- | | | | | | |
| CHEPACHET RIVER | 6.5 | - | 6.8 | 6.8 | - | 6.6 | 6.7 |
| FALLS RIVER D | 6.5 | 6.1 | 6.6 | 6.6 | - | - | 6.4 |
| FALLS RIVER C | 6.5 | 6.5 | 6.7 | 6.6 | - | - | 6.6 |
| FALLS RIVER B | 6.2 | 6.5 | 6.5 | 6.4 | - | - | 6.4 |
| FALLS RIVER A | 6.4 | 6.4 | 6.6 | 6.3 | - | - | 6.5 |
| GREEN FALLS RIVER #1 | 6.0 | 6.2 | 6.5 | 6.7 | 5.9 | 6.0 | 6.2 |
| GREEN FALLS RIVER #2 | 6.3 | 6.5 | 6.6 | 6.6 | 6.4 | 6.5 | 6.5 |
| GREEN FALLS RIVER #3 | 6.3 | 6.6 | 6.7 | 6.8 | 6.3 | 6.4 | 6.5 |
| LOCSTV.- MOSCOW @ SAWMILL | 5.8 | 6.19/6.14 | 6.6 | 6.8 | 6.4 | 6.4 | 6.4 |
| LOCSTV.- BRUSHY @ WOODY HI | 4.8 | 4.9 | 6.2 | 6.2 | 4.8 | 4.6 | 5.2 |
| LOCSTV.- BRUSHY @ SAWMILL | 5.1 | 5.4 | 6.5 | 6.4 | 5.0 | 5.0 | 5.5 |
| MEADOW BROOK #1 | - | 5.9 | 7.3 | - | 5.4 | 5.3 | 6.0 |
| MEADOW BROOK #2 | - | 6.3 | 6.6 | - | 6.6 | 6.2 | 6.4 |
| MEADOW BROOK #3 | - | 6.5 | 6.8 | - | - | 6.3 | 6.5 |
| MOOSUP RIVER UPSTREAM | 6.8 | 6.5 | 7.9 | 6.7 | 6.7 | 6.5 | 6.8 |
| MOOSUP RIVER A | 6.4 | 6.5 | 6.3 | 6.4 | - | - | 6.4 |
| MOOSUP RIVER B | 6.5 | 6.5 | 6.6 | 6.5 | - | - | 6.5 |
| NARROW RIVER-01 | 6.7 | - | - | 6.9 | 6.7 | - | 6.7 |
| NARROW RIVER-02 0.5M | - | - | 7.9 | 7.9 | 7.9 | - | 7.9 |
| NARROW RIVER-02 3.0M | - | - | 7.6 | 7.9 | 7.6 | - | 7.7 |
| NARROW RIVER-03 0.5M | - | 7.9 | 8.0 | 7.9 | 7.9 | - | 7.9 |
| NARROW RIVER-03 3.0M | 7.8 | 7.3 | 7.6 | 7.7 | 7.5 | - | 7.6 |
| NARROW RIVER-04 0.5M | 7.7 | 8.2 | 8.0 | 8.0 | 7.8 | - | 8.0 |
| NARROW RIVER-04 3.0M | 7.7 | 7.6 | 7.6 | 8.0 | 7.6 | - | 7.7 |
| NARROW RIVER-05 | 7.5 | 8.1 | 7.7 | 7.8 | 7.8 | - | 7.8 |
| NARROW RIVER-06 | 7.5 | 8.0 | - | 7.5 | 7.7 | - | 7.7 |
| NARROW RIVER-07 | 7.7 | 7.8 | - | 7.8 | 7.8 | - | 7.8 |
| NARROW RIVER-08 | 7.7 | 7.8 | - | 7.8 | 7.8 | - | 7.8 |
| NARROW RIVER-09 | 7.9 | 7.9 | 7.8 | 7.7 | - | - | 7.8 |
| NARROW RIVER-10 | 7.7 | 7.9 | 8.0 | 7.8 | 7.8 | - | 7.8 |
| NARROW RIVER-11 | 6.4 | 6.2 | 6.4 | - | 6.6 | - | 6.4 |
| NARROW RIVER-12 | 6.7 | 6.6 | 6.6 | 6.3 | 6.5 | - | 6.5 |
| PAWCATUCK RIVER @ BRADFO | 6.3 | - | 6.8 | - | - | 6.5 | 6.5 |
| PAWCATUCK RIVER @ AVONDAI | 7.3 | - | 7.0 | - | - | - | 7.2 |
| QUEEN RIVER (SHERMAN BRK) | 5.4 | 5.9 | 6.4 | - | 6.0 | 5.9 | 5.9 |
| QUEEN RIVER (BROWNELL'S) | 6.3 | 6.2 | 6.4 | 6.0 | 7.1 | 6.2 | 6.4 |

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| LOCATION | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | MEAN |
|-----------------------------|------------------|------|------|------|-------|------|------------|
| | ----- (pH) ----- | | | | | | |
| QUEEN RIVER (SAND BRIDGE) | 6.1 | 6.2 | 6.5 | 6.6 | 6.1 | 5.9 | 6.2 |
| QUEEN RIVER (DUGWAY BRIDGE) | - | 6.4 | - | - | - | - | - |
| QUEEN RIVER (LOCKE BROOK) | 6.5 | 6.8 | 6.7 | 7.4 | 6.8 | - | 6.8 |
| SHUNOCK RIVER @ BABCOCK | 6.9 | - | 6.7 | - | - | 6.7 | 6.8 |
| SHUNOCK RIVER @ HEWITT | 6.9 | - | 6.8 | - | - | 6.7 | 6.8 |

Section 2. Tributaries; Alphabetically by lake, upstream to downstream as appropriate.

| LOCATION | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | MEAN |
|-----------------------------|---------------------------|------|------|------|-------|------|------------|
| | ----- (ug/l or ppb) ----- | | | | | | |
| ASSECONK SWAMP | 7.1 | - | 6.8 | - | - | 6.8 | 6.9 |
| BARBER - MUD BROOK | 5.9 | 6.0 | - | - | 5.9 | 5.7 | 5.9 |
| BELLEVILLE @ RR XING | 6.8 | - | 6.7 | - | - | 6.8 | 6.8 |
| BELLEVILLE @ SLUICeway | 7.2 | - | 7.0 | - | - | 7.1 | 7.1 |
| BOON E TRIBUTARY | 6.3 | - | - | - | - | - | - |
| CARR INLET (NK) | 6.6 | - | 6.6 | - | - | 7.0 | 6.7 |
| GEORGIVILLE @ CAPRON PON | - | - | 7.0 | - | - | - | - |
| GEORGIVILLE @ HARRIS | - | - | 6.9 | - | - | - | - |
| PASQUISETT TRIBUTARY | 6.5 | - | 6.7 | - | - | 6.7 | 6.6 |
| SECRET - OAK HILL EAST | 6.4 | - | - | - | - | 6.1 | 6.3 |
| SECRET - OAK HILL WEST | 6.5 | - | - | - | - | 6.3 | 6.4 |
| SECRET - SHORE DR. | 6.3 | - | - | - | - | 6.3 | 6.3 |
| SHICKASHEEN - A @ RTE 2 | 5.7 | 5.8 | - | - | 4.9 | 4.9 | 5.4 |
| SHICKASHEEN - B @ MISKIANIA | 6.1 | 6.1 | - | - | 5.6 | 5.5 | 5.8 |
| SHICKASHEEN - C @ BARBER OI | 6.3 | 6.3 | - | - | 5.3 | 6.6 | 6.1 |
| SHICKASHEEN - D @ RTE 138 | 6.3 | 6.3 | - | - | - | 5.2 | 5.9 |
| SLACK'S TRIBUTARY #1 (A) | 6.2 | 6.3 | 8.0 | 6.8 | 6.9 | 7.3 | 6.9 |
| SLACK'S TRIBUTARY #2 (B) | 6.4 | 6.6 | 6.9 | 6.9 | 6.8 | 7.1 | 6.8 |
| SLACK'S TRIBUTARY #3 (C) | 6.7 | 6.6 | 7.3 | 7.0 | 6.8 | 6.8 | 6.9 |
| SLACK'S TRIBUTARY #4 (D) | 6.9 | 6.9 | 8.3 | 7.1 | 6.9 | 7.3 | 7.2 |
| SMITH & SAYLES @ KEECH | 6.4 | - | 6.5 | 6.5 | - | - | 6.5 |
| SMITH & SAYLES @ BALCOM | 6.6 | - | 6.4 | 6.1 | - | - | 6.4 |
| SMITH & SAYLES @ O'DONNEL | 6.1 | - | 6.5 | 6.1 | - | - | 6.2 |
| STAFFORD INLET - UPSTREAM | 6.6 | - | - | - | - | - | - |
| STAFFORD INLET - DOWNSTREA | 6.9 | - | 6.7 | - | - | 6.1 | 6.5 |
| STAFFORD NE COVE | - | - | 7.2 | - | - | 7.2 | 7.2 |
| WATCHAUG - PERRY HEALY BR | - | - | 6.7 | - | - | 5.6 | 6.1 |