

## 2005 Parameter Data: Chloride Data; Lakes, Ponds and Reservoirs; Listed Alphabetically

Road density, highway runoff, road salting practices, as well as the proximity of salt storage facilities can affect chloride concentration in inland lakes and ponds (those away from salt water). Chloride can be a general indicator of the degree of urbanization of a watershed, with typically higher levels of chloride found in more developed areas. Chloride is measured on a part per million basis (ppm). The average person can taste the "saltiness" of water around 250 ppm of chloride, which is well above the level found in any URI Watershed Watch site. Chloride is regularly analyzed only in May samples to capture winter road salt impacts and in October to assess seasonal variation.

| Watershed code | LOCATION                | Sample<br>Depth (m) | Sample   |      |      |      |       |      |    | MEAN |
|----------------|-------------------------|---------------------|--|------|------|------|-------|------|----|------|
|                |                         |                     | MAY  | JUNE | JULY | AUG. | SEPT. | OCT. |    |      |
|                |                         |                     | -- (mg/l or ppm) --                              |      |      |      |       |      |    |      |
| CE             | ALMY POND               | 1                   | Not measured due to ocean influence of this site |      |      |      |       |      |    |      |
| WD             | ALTON POND              | 1                   | 30   | -    | -    | -    | -     | -    | -  |      |
| TH             | ARNOLD POND             | 1                   | 3  | -    | -    | -    | -     | 4    | 4  |      |
| S              | ASA POND                | 1                   | 30   | -    | -    | -    | -     | -    | -  |      |
| WD             | BARBER POND             | 1                   | 21   | -    | -    | -    | -     | 24   | 23 |      |
| WD             | BARBER POND             | 4.5                 | 39   | -    | -    | -    | -     | 25   | 32 |      |
| A              | BELLEVILLE POND - LOWER | 1                   | 34   | -    | -    | -    | -     | 35   | 35 |      |
| A              | BELLEVILLE POND - UPPER | 0.5                 | 38   | -    | -    | -    | -     | 35   | 37 |      |
| PA             | BLACKAMORE POND         | 1                   | 110  | -    | -    | -    | -     | 64   | 87 |      |
| TH             | BLUE LAKE               | 1                   | -  | -    | -    | -    | -     | 10   | -  |      |
| WD             | BOONE LAKE              | 1                   | 79   | -    | -    | -    | -     | 59   | 69 |      |
| WD             | BOONE LAKE              | 5                   | 84   | -    | -    | -    | -     | 55   | 70 |      |
| TH             | BOWDISH RESERVOIR       | 1                   | 28   | -    | -    | -    | -     | -    | -  |      |
| WD             | BREAKHEART POND         | 1                   | 20   | -    | -    | -    | -     | -    | -  |      |
| TH             | CARBUNCLE POND          | 1                   | 19   | -    | -    | -    | -     | 18   | 19 |      |
| TH             | CARBUNCLE POND          | 6.5                 | 21   | -    | -    | -    | -     | 19   | 20 |      |
| PE             | CARR POND (NK)          | 1                   | 53   | -    | -    | -    | -     | 25   | 39 |      |
| PE             | CARR POND (NK)          | 4.5                 | 48   | -    | -    | -    | -     | 57   | 53 |      |
| PA             | CARR POND (WG)          | 1                   | 4  | -    | -    | -    | -     | 4    | 4  |      |
| PA             | CARR POND (WG)          | 9                   | 8  | -    | -    | -    | -     | 7    | 8  |      |
| CW             | DEEP POND               | 1                   | -  | 7    | -    | -    | -     | 7    | 7  |      |
| CW             | DEEP POND               | 5                   | -  | 8    | -    | -    | -     | 7    | 8  |      |
| PA             | ELM POND                | 1                   | -  | -    | -    | -    | -     | -    | -  |      |
| PA             | ELM POND                | 2                   | -  | -    | -    | -    | -     | -    | -  |      |
| PA             | FENNER POND             | 1                   | 85   | -    | -    | -    | -     | 25   | 55 |      |
| PA             | FLAT RIVER RESERVOIR    | 1                   | 28   | -    | -    | -    | -     | 30   | 29 |      |
| PA             | FLAT RIVER RESERVOIR    | 7                   | 30   | -    | -    | -    | -     | 29   | 30 |      |
| WO             | GEORGIAVILLE POND       | 1                   | 66   | 65   | -    | -    | -     | 61   | 64 |      |
| WO             | GEORGIAVILLE POND       | 6                   | 70   | 73   | -    | -    | -     | 52   | 65 |      |
| WO             | HAWKINS POND            | 1                   | 32   | -    | -    | -    | -     | 26   | 29 |      |
| WD             | HUNDRED ACRE POND       | 1                   | 27   | -    | -    | -    | -     | 26   | 27 |      |
| WD             | HUNDRED ACRE POND       | 6                   | 26   | -    | -    | -    | -     | 40   | 33 |      |
| S              | INDIAN LAKE             | 1                   | 51   | -    | -    | -    | -     | 45   | 48 |      |

ND = No Detect; Limit of Detection = 3 ppm

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|----------------|-----------------------------|------------------|--|------|------|------|-------|------|-----|------|
|                |                             |                  | MAY  | JUNE | JULY | AUG. | SEPT. | OCT. |     |      |
|                |                             |                  | -- (mg/l or ppm) --                              |      |      |      |       |      |     |      |
| B              | KEECH POND                  | 1                | 25   | -    | -    | -    | -     | 28   | 27  |      |
| TH             | LAKE WASHINGTON             | 1                | 51   | -    | -    | -    | 60    | -    | 56  |      |
| CE             | LILY POND                   | 1                | Not measured due to ocean influence of this site |      |      |      |       |      |     |      |
| PA             | LITTLE POND                 | 1                | 13   | -    | -    | -    | -     | 12   | 13  |      |
| PA             | LITTLE POND                 | 5                | 13   | -    | -    | -    | -     | 13   | 13  |      |
| WD             | LOCUSTVILLE POND            | 1                | 16   | -    | -    | -    | -     | 11   | 14  |      |
| S              | LONG POND (SK)              | 1                | 6  | -    | -    | -    | -     | 6    | 6   |      |
| S              | LONG POND (SK)              | 7                | 6  | -    | -    | -    | -     | 8    | 7   |      |
| PA             | MASHAPAug POND              | 1                | -  | -    | -    | -    | -     | -    | -   |      |
| WD             | MEADOWBROOK POND            | 1                | 17   | -    | -    | -    | -     | 7    | 12  |      |
| NA             | MELVILLE P - UPPER          | 1                | 78   | -    | -    | -    | -     | 63   | 71  |      |
| PA             | MISHNOCK LAKE               | 1                | 93   | -    | -    | -    | -     | 84   | 89  |      |
| PA             | MISHNOCK LAKE               | 4                | -  | -    | -    | -    | -     | 87   | 87  |      |
| SK             | NANAQUAKET POND             | 1                | Not measured due to ocean influence of this site |      |      |      |       |      |     |      |
| B              | NICHOLS POND                | 1                | 12   | -    | -    | -    | -     | -    | -   |      |
| PA             | OAK SWAMP RES.              | 1                | 53   | -    | -    | -    | -     | 48   | 51  |      |
| B              | PASCOAG RESERVOIR           | 1                | 20   | -    | -    | -    | -     | 19   | 20  |      |
| B              | PASCOAG RESERVOIR           | 4                | 47   | -    | -    | -    | -     | 24   | 36  |      |
| WD             | PASQUISETT POND             | 1                | 39   | -    | -    | -    | -     | 26   | 33  |      |
| PA             | PLEASURE POND               | 1                | -  | -    | -    | -    | -     | -    | -   |      |
| PA             | PONAGANSETT RESERVOIR       | 1                | 14   | -    | -    | -    | -     | 13   | 14  |      |
| PA             | PONAGANSETT RESERVOIR       | 9                | 15   | -    | -    | -    | -     | 12   | 14  |      |
| NA             | PRINCE'S POND               | 1                | Not measured due to ocean influence of this site |      |      |      |       |      |     |      |
| NA             | PRINCE'S POND               | 3                | Not measured due to ocean influence of this site |      |      |      |       |      |     |      |
| QUEEN RIVER AT |                             |                  |  |      |      |      |       |      |     |      |
| WD             | USQUEPAUGH (Glen Rock Res.) | 1                | 13   | -    | -    | -    | -     | 11   | 12  |      |
| PA             | RANDALL POND                | 1                | 159  | -    | -    | -    | -     | 125  | 142 |      |
| PA             | SAND POND                   | 1                | 116  | -    | -    | -    | -     | 102  | 109 |      |
| PA             | SAND POND                   | 7                | 401  | -    | -    | -    | -     | 319  | 360 |      |
| S              | SAUGATUCKET POND            | 1                | 13   | -    | -    | -    | -     | 24   | 19  |      |
| CW             | SCHOOLHOUSE POND - LOWER    | 1                | 8  | -    | -    | -    | -     | 7    | 8   |      |
| CW             | SCHOOLHOUSE POND - LOWER    | 6+               | 10   | -    | -    | -    | -     | 7    | 9   |      |
| CW             | SCHOOLHOUSE POND - UPPER    | 1                | 7  | -    | -    | -    | -     | 7    | 7   |      |
| CW             | SCHOOLHOUSE POND - UPPER    | 6+               | 8  | -    | -    | -    | -     | 7    | 8   |      |
| B              | SCOTT POND                  | 1                | 87   | -    | -    | -    | -     | -    | -   |      |
| B              | SCOTT POND                  | 9                | 89   | -    | -    | -    | -     | -    | -   |      |
| A              | SECRET LAKE                 | 1                | 27   | -    | -    | -    | -     | 20   | 24  |      |
| S              | SILVER LAKE                 | 1                | 31   | -    | -    | -    | -     | 30   | 31  |      |
| S              | SILVER LAKE                 | 7                | 45   | -    | -    | -    | -     | 31   | 38  |      |
| PE             | SILVER SPRING LAKE          | 1                | 47   | -    | -    | -    | -     | 38   | 43  |      |

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|-------------------|-----------------------------|---------------------|--|------|------|------|-------|--------------|-----|------|
|                   |                             |                     | MAY  | JUNE | JULY | AUG. | SEPT. | OCT.         |     |      |
|                   |                             |                     | -- (mg/l or ppm) --                        |      |      |      |       |              |     |      |
|                   |                             |                     | ND = No Detect; Limit of Detection = 3 ppm |      |      |      |       |              |     |      |
| TE                | SLATER POND                 | 1                   | 16   | -    | -    | -    | -     | 7            | 12  |      |
| B                 | SLATERSVILLE RESERVOIR - UP | 1                   | 30   | -    | -    | -    | -     | 19           | 25  |      |
| B                 | SLATERSVILLE RESERVOIR - UP | 5.5                 | 27   | -    | -    | -    | -     | 19           | 23  |      |
| B                 | SMITH & SAYLES RESERVOIR    | 1                   | -  | -    | -    | -    | -     | -            | -   |      |
| WD                | SPALDING POND               | 1                   | -  | -    | -    | -    | -     | 9            | 9   |      |
| PA                | SPECTACLE POND              | 1                   | 78   | -    | -    | -    | -     | 38           | 58  |      |
| B                 | SPRING GROVE POND           | 1                   | 26   | -    | -    | -    | -     | 27           | 27  |      |
| B                 | SPRING LAKE                 | 1                   | 8  | -    | -    | -    | -     | 7            | 8   |      |
| B                 | SPRING LAKE                 | 5                   | 10   | -    | -    | -    | -     | 8            | 9   |      |
| TA                | STAFFORD POND               | 1                   | -  | 25   | -    | -    | -     | 26           | 26  |      |
| TA                | STAFFORD POND               | 7                   | -  | 28   | -    | -    | -     | 25           | 27  |      |
| PA                | TARBOX POND                 | 1                   | 12   | -    | -    | -    | -     | -            | -   |      |
| PA                | TIOGUE LAKE                 | 1                   | 102  | -    | -    | -    | -     | 116          | 109 |      |
| WD                | TUCKER POND                 | 1                   | 6  | -    | -    | -    | -     | 6            | 6   |      |
| WD                | TUCKER POND                 | 7.5                 | 10   | -    | -    | -    | -     | 7            | 9   |      |
| PA                | UPPER DAM POND              | 1                   | 71   | -    | -    | -    | -     | 30           | 51  |      |
| B                 | VALLEY FALLS POND           | 0.5                 | 80   | -    | -    | -    | -     | 42           | 61  |      |
| B                 | WALLUM LAKE                 | 1                   | 10   | -    | -    | -    | -     | -            | -   |      |
| B                 | WALLUM LAKE                 | 5                   | -  | -    | -    | -    | -     | -            | -   |      |
| NA                | WARWICK POND                | 1                   | 57   | -    | -    | -    | -     | 34           | 46  |      |
| NA                | WARWICK POND                | 5.5                 | 56   | -    | -    | -    | -     | 36           | 46  |      |
| WD                | WATCHAUG POND               | 1                   | 13   | -    | -    | -    | -     | 14           | 14  |      |
| WD                | WATCHAUG POND               | 10                  | 13   | -    | -    | -    | -     | 15           | 14  |      |
| WO                | WATERMAN RESERVOIR          | 1                   | 28   | -    | -    | -    | -     | 24           | 26  |      |
| NA                | WESQUAGE POND               | 1                   | 565  | -    | -    | -    | -     | Not Measured | -   |      |
| WD                | WHITE BROOK POND            | 1                   | -  | 31   | -    | -    | -     | 12           | 22  |      |
| S                 | WHITE POND                  | 1                   | -  | -    | -    | -    | -     | -            | -   |      |
| S                 | WHITE POND                  | 8+                  | -  | -    | -    | -    | -     | -            | -   |      |
| WD                | WINCHECK POND               | 1                   | 12   | -    | -    | -    | -     | -            | -   |      |
| WD                | WINCHECK POND               | 5                   | 13   | -    | -    | -    | -     | -            | -   |      |
| WO                | WOONASQUA - STUMP           | 1                   | 11   | -    | -    | -    | -     | 40           | 26  |      |
| WD                | WORDEN POND                 | 1                   | 22   | -    | -    | -    | -     | -            | -   |      |
| WD                | WYASSUP LAKE                | 1                   | -  | -    | -    | -    | -     | 7            | 7   |      |
| WD                | WYASSUP LAKE                | 7                   | -  | -    | -    | -    | -     | 7            | 7   |      |
| WD                | WYOMING POND                | 1                   | -  | 30   | -    | -    | -     | 29           | 30  |      |
| WD                | YAWGOO POND                 | 1                   | 11   | -    | -    | -    | -     | 11           | 11  |      |
| WD                | YAWGOO POND                 | 10                  | 13   | -    | -    | -    | -     | 10           | 12  |      |

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