

### 2003 Chloride Data for Rivers and Tributaries

Road density, highway runoff, road salting practices, as well as the proximity of salt storage facilities can affect chloride concentration in inland rivers and tributaries (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.

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

<b>LOCATION</b>	<b>MAY</b>
	<b>(mg/l or ppm)</b>
CHEPACHET RIVER	26
FALLS RIVER D	7
FALLS RIVER C	7
FALLS RIVER B	7
FALLS RIVER A	7
GREEN FALLS RIVER #1	6
GREEN FALLS RIVER #2	9
GREEN FALLS RIVER #3	11
LOCSTV.- MOSCOW @ SAWMILL	18
LOCSTV.- BRUSHY @ WOODY HILL	4
LOCSTV.- BRUSHY @ SAWMILL	6
MOOSUP RIVER UPSTREAM	12
MOOSUP RIVER A	17
MOOSUP RIVER B	23
NARROW RIVER-01	42
NARROW RIVER-02 0.5M	*
NARROW RIVER-02 3.0M	*
NARROW RIVER-03 0.5M	*
NARROW RIVER-03 3.0M	*
NARROW RIVER-04 0.5M	*
NARROW RIVER-04 3.0M	*
NARROW RIVER-05	*
NARROW RIVER-06	*
NARROW RIVER-07	*
NARROW RIVER-08	*
NARROW RIVER-09	*
NARROW RIVER-10	*
NARROW RIVER-11	*
NARROW RIVER-12	-
PAWCATUCK RIVER @ BRADFORD	20
PAWCATUCK RIVER @ AVONDALE	*
QUEEN RIVER (SHERMAN BRK)	15
QUEEN RIVER (BROWNELL'S)	12
QUEEN RIVER (SAND BRIDGE)	14

2003 Parameter Data: Chloride

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

<b>LOCATION</b>	<b>MAY</b>
	<b>(mg/l or ppm)</b>
QUEEN RIVER (LOCKE BROOK)	13
SHUNOCK RIVER @ BABCOCK	14
SHUNOCK RIVER @ HEWITT	10
WOONA. RIVER @ DONGIAN PARK	77

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

<b>LOCATION</b>	<b>MAY</b>
	<b>(mg/l or ppm)</b>
ASSECONK SWAMP	9
BARBER - MUD BROOK	-
BELLEVILLE @ RR XING	28
BELLEVILLE @ SLUICEWAY	24
BOONE TRIBUTARY #1	-
CARR INLET (NK)	-
GEORGIAVILLE @ CAPRON POND	-
GEORGIAVILLE @ HARRIS	-
PASQUISETT TRIBUTARY	-
SECRET - OAK HILL EAST	11
SECRET - OAK HILL WEST	11
SECRET - SHORE DR.	32
SHICKASHEEN - A @ RTE 2	14
SHICKASHEEN - B @ MISKIANIA	13
SHICKASHEEN - C @ BARBER OUTLE	20
SHICKASHEEN - D @ RTE 138	-
SLACK'S TRIBUTARY #1 (A)	41
SLACK'S TRIBUTARY #2 (B)	75
SLACK'S TRIBUTARY #3 (C)	6
SLACK'S TRIBUTARY #4 (D)	12
SMITH & SAYLES @ KEECH	-
SMITH & SAYLES @ BALCOM	-
SMITH & SAYLES @ O'DONNEL	-
STAFFORD INLET - UPSTREAM	-
STAFFORD INLET - DOWNSTREAM	-
STAFFORD NE COVE	-
WATCHAUG - PERRY HEALY BRK	-
WATERMAN TRIB @ RTE 44	12
WATERMAN TRIB @ SAWMILL	43

ND = No Detect      Limit of Detection = 3 ppm

Chloride only analyzed in May samples to capture winter road salt impacts.