

2005 Parameter Data: Chloride; River and Tirbutary Sites

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.

River sites arranged upstream to downstream when appropriate.

Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
Code	RIVER & BROOK SITES	-- (ug/l or ppb) --					
CE	Bailey's Brook	-	-	-	-	-	59
NA	Buckeye @ Novelty Rd	66	-	-	-	-	7
NA	Buckeye @ Lockwood Brook	46	-	-	-	-	5
NA	Buckeye @ Warner Brook	67	-	-	-	-	8
NA	Buckeye @ Mill Cove	82	-	-	-	-	18
WD	Falls River D - Step Stone Falls	7	-	-	-	-	7
WD	Falls River C - Austin Farm Rd.	8	-	-	-	-	7
WD	Falls River B - Sand Banks	7	-	-	-	-	7
WD	Falls River A - Twin Bridges	7	-	-	-	-	7
TH	Moosup Upstream	28	-	-	-	-	20
TH	Moosup River A - Fairbanks	14	-	-	-	-	18
TH	Moosup River B - Trestle Trail	25	-	-	-	-	44
M	Moshassuck River - Collyer Field	offscale	-	-	-	-	45
PE	NR 01- Gilbert Stuart	-	-	-	-	-	-
PE	NR 02 - Upper Pond 0.5M	Not measured due to tidal nature of this site					
PE	NR 02 - Upper Pond 3.0M	Not measured due to tidal nature of this site					
PE	NR 03 - Lower Pond A 0.5M	Not measured due to tidal nature of this site					
PE	NR 03 - Lower Pond A 3.0M	Not measured due to tidal nature of this site					
PE	NR 04 - Lower Pond B 0.5M	Not measured due to tidal nature of this site					
PE	NR 04 - Lower Pond B 3.0M	Not measured due to tidal nature of this site					
PE	NR 05 - Lacey Bridge	Not measured due to tidal nature of this site					
PE	NR 06 - Mettatuxet Beach	Not measured due to tidal nature of this site					
PE	NR 07 - End of Narrows	Not measured due to tidal nature of this site					
PE	NR 08 - Middlebridge	Not measured due to tidal nature of this site					
PE	NR 09 - Pettaquamscutt	Not measured due to tidal nature of this site					
PE	NR 10 - Sprague Bridge	Not measured due to tidal nature of this site					
PE	NR 11 - Mettatuxet Brook	-	-	-	-	-	-
PE	NR 12 - Mumford Brook	-	-	-	-	-	-
PE	NR 15 - Crooked Brook Farm	7	-	-	-	-	11
PE	NR 16 - Crooked Brook School	-	-	-	-	-	11
WD	Pawcatuck R - Avondale 0.5M	Not measured due to tidal nature of this site					
WD	Pawcatuck R - Avondale 3.0M	Not measured due to tidal nature of this site					

Maximum Limit of Detection Without Dilution (offscale) = 250 ppm

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Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
Code	RIVER & BROOK SITES (continued)	-- (ug/l or ppb) --					
WD	Queen Riv. @ Wm Reynolds Rd. (Brownell's)	15	-	-	-	-	-
WD	Queen River @ Sand Bridge (TNC)	15	-	-	-	-	16
WD	Queen River @ Locke Brk	-	-	-	-	-	10
WD	Queen River @ Sherman Brk	6	-	-	-	-	5
WD	Shunock River @ Babcock	18	-	-	-	-	7
WD	Shunock River @ Hewitt	17	-	-	-	-	8
WO	Woonasqua. R @ Cricket Park	-	-	-	-	-	77
WO	Woonasquatucket R @ Donigian	85	-	-	-	-	74

Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
Code	TRIBUTARIES	-- (mg/l or ppm) --					
WD	Asseconk Swamp	-	-	-	-	-	5
WD	Barber - Mud Brook	35	-	-	-	-	25
A	Belleville @ RR Xing	offscale	-	-	-	-	30
A	Belleville @ Sluiceway	39	-	-	-	-	25
PE	Carr Inlet (NK)	52	-	-	-	-	-
WO	Georgiaville @ Capron Pond	-	58	-	-	-	40
WO	Georgeville @ Harris	-	214	-	-	-	41
GB	Greenwich Bay - 01 (Maskerchugg River)	105	-	-	-	-	59
GB	Greenwich Bay - 02 (Gorton Pond outflow)	95	-	-	-	-	46
GB	Greenwich Bay - 03 (Hardig Brook @ Rte 115)	139	-	-	-	-	43
GB	Greenwich Bay - 04 (Mill Creek)	67	-	-	-	-	6
GB	Greenwich Bay - 05 (Hardig Brk @ Health Ctr)	83	-	-	-	-	11
GB	Greenwich Bay - 06 (Tuscatucket Brook)	75	-	-	-	-	61
GB	Greenwich Bay - 07 (Southern Creek)	54	-	-	-	-	8
WD	Locv – Brushy Brook @ Sawmill	7	-	-	-	-	-
WD	Locv – Brushy Brook @ Woody	7	-	-	-	-	-
WD	Locv – Moscow Brk @ Sawmill	20	-	-	-	-	-
NA	Nanaqua. Trib @ Quaket Brorok	Not measured due to tidal nature of this site					
NA	Nanaqua. Trib @ Sin & Flesh Brk	Not measured due to tidal nature of this site					
NA	Nanaqua. Trib @ White Wine Brk	Not measured due to tidal nature of this site					
WD	Pasquisett Tributary	39	-	-	-	-	65
H	Saw Mill Tributary	50	-	-	-	-	4
A	Secret - Oak Hill East	43	-	-	-	-	21
A	Secret - Oak Hill West	-	-	-	-	-	13
A	Secret - Shore Dr.	-	-	-	-	-	5

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Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
Code	TRIBUTARIES - CONTINUED	-- (mg/l or ppm) --					
WD	Shickasheen @ Rte 2	17	-	-	-	-	-
WD	Shickasheen @ Miskiania Road	16	-	-	-	-	53
WD	Shickasheen @ Potter Road	18	-	-	-	-	13
WD	Shick. @ Barber Pond outlet	-	-	-	-	-	-
B	Smith & Sayles @ Keech Brook	-	-	-	-	-	-
B	Smith & Sayles @ Balcom Brk	-	-	-	-	-	-
B	Smith & Sayles @ O'Donnel Brk	-	-	-	-	-	-
TA	Staf Inlet - Downstream	-	133	-	-	-	-
TA	Stafford - NE Cove	-	26	-	-	-	-
WD	Watchaug - Perry Healy	28	-	-	-	-	11
WO	Waterman @ Rte 44	9	-	-	-	-	10
WO	Waterman @ Saw Mill	24	-	-	-	-	13
WO	Waterman @ Golf Course	6	-	-	-	-	9
WO	Waterman @ Aldrich	27	-	-	-	-	33
WD	White Brook Pond Inlet	-	31	-	-	-	-
WC	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
	WPWA TRIBUTARIES	-- (mg/l or ppm) --					
WD	Ashaway River @ Rte 216	-	-	-	-	-	15
WD	Chipuxet Brook @ Rte 138	27	-	-	-	-	29
WD	Fisherville Brook	19	-	-	-	-	27
WD	Glen Rock Brook	13	-	-	-	-	18
WD	P'tuck River @ Biscuit City Rd.	-	-	-	-	-	-
WD	P'tuck River @ Burdickville Rd	27	-	-	-	-	15
WD	P'tuck River below Kenyon Ind.	21	-	-	-	-	15
WD	P'tuck River @ Rte 91	20	-	-	-	-	21
WD	Queen River @ Mail Rd	-	-	-	-	-	10
WD	Queen River @ Rte 102	17	-	-	-	-	15
WD	Taney Brook	7	-	-	-	-	6
WD	Tomaquag Brk @ Woodville Rd.	-	-	-	-	-	29
WD	Usquepaugh River @ Rte 2	16	-	-	-	-	15