

2007 Parameter Data: Chloride; River, Brook and Tributary 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 freshwater 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.	MEAN
Code	RIVER & BROOK SITES	-- (mg/l or ppm) --						
CE	Bailey's Brook	51	-	-	-	-	26	39
NA	Buckeye Brook #1 @ Novelty Rd	58	-	-	-	-	28	43
NA	Buckeye Brook #2 @ Lockwood Brk	53	-	-	-	-	26	40
NA	Buckeye Brook #3 @ Warner Brook	65	-	-	-	-	72	69
NA	Buckeye Brook #4 @ Mill Cove	50	-	-	-	-	32	41
WD	Falls River D - Step Stone Falls	6	-	-	-	-	8	7
WD	Falls River C - Austin Farm Rd.	6	-	-	-	-	8	7
WD	Falls River B - Sand Banks	6	-	-	-	-	4	5
WD	Falls River A - Twin Bridges	6	-	-	-	-	5	6
H	HW #1A - Scrabbletown Brk @ Falls	-	-	-	-	-	13	-
H	HW #1B - Scrabbletown @ Rte 4 Bridge	-	-	-	-	-	13	-
H	HW #2 - Bear Brk @ South Rd.	-	-	-	-	-	DRY	-
H	HW #3 - Frenchtown Brk @ Frenchtown Rd.	-	-	-	-	-	26	-
H	HW #4 - Hunt River @ Davis Memorial	-	-	-	-	-	79	-
H	HW #5 - Sandhill Brook (Saw Mill Inlet)	51	-	-	-	-	40	46
H	HW #6 - Hunt River @ Forge Rd.	418	-	-	-	-	50	234
TH	Moosup River - Upstream	14	-	-	-	-	34	24
TH	Moosup River A - Fairbanks	12	-	-	-	-	42	27
TH	Moosup River B - Trestle Trail	13	-	-	-	-	14	14
M	Moshassuck River - Collyer Field	85	-	-	-	-	29	57
PE	NR 01- Gilbert Stuart	-	-	-	-	-	-	-
PE	NR 02 - NR 10, and NR 13	Tidal site - please see Salinity Data						
PE	NR 11 - Mettatuxet Brook	-	-	-	-	-	-	-
PE	NR 12 - Mumford Brook	-	-	-	-	-	236	-
PE	NR 14 - Lakeside Drive outfall	-	-	-	-	-	8	-
PE	NR 15 - Crooked Brook Farm	-	-	-	-	-	DRY	-
PE	NR 16 - Crooked Brook School	-	-	-	-	-	DRY	-
WD	Pawcatuck River - Bradford 0.5M	19	-	-	-	-	26	23
WD	Pawcatuck River - Avondale	Tidal site - please see Salinity Data						
PA	Pawtuxet River @ Ross Simon Dr	-	-	-	-	-	60	-
PA	Pawtuxet River @ Ford Lane	-	-	-	-	-	96	-
PA	Pocasset River @ CLCF Field	-	-	-	-	-	76	-
WD	Queen @ Wm Reynolds (Brownell's)	12	-	-	-	-	15	14
WD	Queen River @ Sand Bridge (TNC)	10	-	-	-	-	12	11
WD	Queen River @ Locke Brk	12	-	-	-	-	10	11
WD	Queen River @ Sherman Brk	8	-	-	-	-	10	9

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Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	RIVER & BROOK SITES (continued)	-- (mg/l or ppm) --						
H	Saw Mill Inlet (Sandhill Brook)	19	-	-	-	-	-	-
WD	Shickasheen @ Rte 2	14	-	-	-	-	9	12
WD	Shickasheen @ Miskiania Road	14	-	-	-	-	-	-
WD	Shickasheen @ Barber Pond Outlet	15	-	-	-	-	6	11
WD	Shickasheen @ Rte 138	-	-	-	-	-	18	-
WD	Shunock River @ Babcock	9	-	-	-	-	21	15
WD	Shunock River @ Hewitt	7	-	-	-	-	9	8
WO	Woonasquatucket R. @ Cricket Park	50	-	-	-	-	67	59
WO	Woonasquatucket River @ Donigian	58	-	-	-	-	102	80

Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	TRIBUTARIES	-- (mg/l or ppm) --						
WD	Asseconk Swamp	10	-	-	-	-	9	10
WD	Barber - Mud Brook	15	-	-	-	-	11	13
A	Belleville @ RR Xing	27	-	-	-	-	29	28
A	Belleville @ Sluiceway	27	-	-	-	-	27	27
PE	Carr Inlet (NK)	39	-	-	-	-	-	-
WO	Georgiaville @ Capron Pond	22	-	-	-	-	48	35
WO	Georgeville @ Harris	94	-	-	-	-	206	150
NA	Nanaqua. Trib @ Quaket Brorok	13	-	-	-	-	-	-
NA	Nanaqua. Trib @ Sin & Flesh Brk	31	-	-	-	-	-	-
NA	Nanaqua. Trib @ White Wine Brk	28	-	-	-	-	-	-
A	Secret - Oak Hill Brook West	17	-	-	-	-	20	19
A	Secret - Oak Hill Brook East	17	-	-	-	-	22	20
A	Secret - Shore Dr.	45	-	-	-	-	41	43
WO	Slack's Tributary #1 / A	42	-	-	-	-	48	45
WO	Slack's Tributary #2 / B	43	-	-	-	-	49	46
WO	Slack's Tributary #3 / C	43	-	-	-	-	49	46
WO	Slack's Tributary #4 / D	42	-	-	-	-	49	46
TA	Staf Inlet - Downstream	78	-	-	-	-	149	114
TA	Stafford - NE Cove	24	-	-	-	-	23	24
WD	Watchaug - Perry Healy	18	-	-	-	-	-	-
WO	Waterman Trib @ Rte 44	13	-	-	-	-	19	16
WO	Waterman Trib @ Saw Mill	38	-	-	-	-	25	32
WO	Waterman Trib @ Golf Course	33	-	-	-	-	10	22
WO	Waterman Trib @ Aldrich	17	-	-	-	-	39	28
WD	White Brook Pond Inlet	33	-	-	-	-	32	33
WD	White Brook Pond Outlet	33	-	-	-	-	32	33
WD	White Horn Brook @ Ministerial	29	-	-	-	-	-	-

Maximum Limit of Detection Without Dilution (offscale) = 250 ppm
 River sites arranged upstream to downstream when appropriate.

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Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	WPWA TRIBUTARIES	-- (mg/l or ppm) --						
WD	Ashaway River @ Rte 216	13	-	-	-	-	22	18
WD	Ashaway River @ Wellstown Rd.	12	-	-	-	-	23	18
WD	Chipuxet River @ Rte 138	20	-	-	-	-	30	25
WD	Glen Rock Brook	12	-	-	-	-	9	11
WD	Pawcatuck River @ Biscuit City Rd	-	-	-	-	-	18	18
WD	Pawcatuck River @ Burdickville Rd	19	-	-	-	-	27	23
WD	Pawcatuck River @ Chase Hill Rd.	19	-	-	-	-	-	
WD	P'tuck River below Kenyon Industries	16	-	-	-	-	21	19
WD	Parmenter Brook @ Clark Falls Rd.	6	-	-	-	-	-	
WD	Parmenter Brk @ Exit 93 (Gm Falls #3)	32	-	-	-	-	16	24
WD	Pawcatuck River @ Rte 91	19	-	-	-	-	24	22
WD	Pawcatuck River below Bradford (DA)	17	-	-	-	-	-	
WD	Queen River @ Mail Rd	13	-	-	-	-	11	12
WD	Queen River @ Rte 102	5	-	-	-	-	8	7
WD	Tomaquag Brook @ Chase Hill Rd.	20	-	-	-	-	14	17
WD	Tomaquag Brook @ Woodville Rd.	23	-	-	-	-	-	
WD	Usquepaugh River @ Rte 2	13	-	-	-	-	12	13

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

River sites arranged upstream to downstream when appropriate.

