

2004 Parameter Data: Chloride

2004 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 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.

<u>Watershed</u>	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
<u>Code</u>	RIVER / BROOK SITES	-- (mg/l or ppm) --						
CE	Bailey's Brook	14	-	-	-	-	23	19
NA	Buckeye Brook @ Novelty Rd	55	-	-	-	-	46	51
NA	Buckeye Brk @ Lockwood Brk	-	-	-	-	-	10	
NA	Buckeye Brook @ Warner Rd	-	-	-	-	-	35	
NA	Buckeye Brook @ Mill Cove	-	-	-	-	-	116	
WD	Falls River A - Twin Bridges	6	-	-	-	-	8	7
WD	Falls River B - Sand Banks	10	-	-	-	-	7	9
WD	Falls River C - Austin Farm	6	-	-	-	-	8	7
WD	Falls River D - Step Stone	6	-	-	-	-	8	7
WD	Grn Falls #1 - Green Falls Rd	-	-	-	-	-	15	
WD	Grn Falls #2 - Putker Rd	-	-	-	-	-	9	
WD	Grn Falls #3 - Clark Falls Rd	-	-	-	-	-	9	
A	Himes River (NK)	13	16	-	-	-	15	15
WD	Locv – Brushy Brook @ Sawmill	34	-	-	-	-	6	20
WD	Locv – Brushy Brook @ Woody	3	-	-	-	-	5	4
WD	Locv – Moscow Brk @ Sawmill	18	-	-	-	-	21	20
TH	Moosup River A - Fairbanks	17	-	-	-	-	19	18
TH	Moosup River B - Trestle Trail	23	-	-	-	-	27	25
TH	Moosup Upstream	12	-	-	-	-	14	13
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						

ND = No Detect; Limit of Detection = 3 ppm

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<u>Code</u>	RIVERS - CONTINUED	-- (mg/l or ppm) --						
PE	NR 10 - Sprague Bridge			Not measured due to tidal nature of this site				
PE	NR 11 - Mettatuxet Brook	-	-	-	-	-	-	
PE	NR 12 - Mumford Brook	-	-	-	-	-	-	
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				
WD	Pawcatuck R - Bradford	21	-	-	-	-	24	23
WD	Queen River @ Brownell's	13	-	-	-	-	14	14
WD	Queen R. @ Sand Bridge (TNC)	18	-	-	-	-	15	17
WD	Queen River @ Locke Brk	14	-	-	-	-	10	12
WD	Queen River @ Sherman Brk	7	-	-	-	-	6	7
WD	Shickasheen @ Rte 2	17	-	-	-	-	17	17
WD	Shickasheen @ Miskiania Road	14	-	-	-	-	18	16
WD	Shickasheen @ Potter Road	-	-	-	-	-	-	
WD	Shick. @ Barber Pond outlet	18	-	-	-	-	18	18
WD	Shickasheen @ Rte 138	19	-	-	-	-	19	19
WD	Shickasheen @ Liberty Lane	-	-	-	-	-	28	
WD	Shunock River @ Babcock	11	-	-	-	-	16	14
WD	Shunock River @ Hewitt	7	-	-	-	-	9	8
WO	Woonasquatucket R @ Donigian	61	80	-	-	-	67	69
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<u>Code</u>	TRIBUTARIES	-- (mg/l or ppm) --						
WD	Asseconk Swamp	10	-	-	-	-	9	10
WD	Barber - Mud Brook	30	-	-	-	-	39	35
A	Belleville @ RR Xing	30	-	-	-	-	33	32
A	Belleville @ Sluiceway	28	-	-	-	-	24	26
PE	Carr Inlet (NK)	56	-	-	-	-	45	51
WO	Georgiaville @ Capron Pond	57	-	-	-	-	56	57
WO	Georgeville @ Harris	180	-	-	-	-	180	180
GB	Greenwich Bay - 01 (Maskerchugg River)		-	-	-	-	95	
GB	Greenwich Bay - 02 (Gorton Pond outflow)		-	-	-	-	48	
GB	Greenwich Bay - 03 (Hardig Brook @ Rte 115)			-	-	-	44	
GB	Greenwich Bay - 04 (Mill Creek)	-	-	-	-	-	54	
GB	Greenwich Bay - 05 (Hardig Brk @ Health Center)			-	-	-	33	
GB	Greenwich Bay - 06 (Tuscatucket Brook)		-	-	-	-	52	
GB	Greenwich Bay - 07 (Southern Creek)		-	-	-	-	32	
WD	Pasquisett Tributary	34	-	-	-	-	30	32
H	Saw Mill Tributary	38	-	-	-	-	21	30
A	Secret - Oak Hill East	16	-	-	-	-	18	17
A	Secret - Oak Hill West	16	-	-	-	-	17	17

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<u>Code</u>	TRIBUTARIES - CONTINUED	-- (mg/l or ppm) --						
A	Secret - Shore Drive	37	-	-	-	-	36	37
B	Smith & Sayles @ Keech	20	-	-	-	-	-	
B	Smith & Sayles @ Balcom	50	-	-	-	-	14	32
B	Smith & Sayles @ O'Donnel	50	-	-	-	-	-	
WO	Slack's Tributary A	28	-	-	-	-	11	20
WO	Slack's Tributary B	67	-	-	-	-	40	54
WO	Slack's Tributary C	6	-	-	-	-	8	7
WO	Slack's Tributary D	12	-	-	-	-	21	17
TA	Staf Inlet - Upstream	41	-	-	-	-	-	
TA	Staf Inlet - Downstream	80	-	-	-	-	55	68
TA	Stafford - NE Cove	24	-	-	-	-	25	25
WD	Watchaug - Perry Healy	30	-	-	-	-	-	
WO	Waterman @ Rte 44	12	-	-	-	-	14	13
WO	Waterman @ Saw Mill	47	-	-	-	-	52	50
WO	Waterman @ Golf Course	37	-	-	-	-	41	39
WO	Waterman @ Aldrich	21	-	-	-	-	12	17

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<u>Code</u>	WPWA TRIBUTARIES	-- (mg/l or ppm) --						
WD	Ashaway River @ Rte 216	18	-	-	-	-	-	
WD	Ashaway River @ Wellstown Rd.	15	-	-	-	-	-	
WD	Asseconk Brook @ Rte 2	-	-	-	-	-	11	
WD	Chipuxet Brook @ Rte 138	27	-	-	-	-	25	26
WD	Fisherville Brook	21	-	-	-	-	6	14
WD	Glen Rock Brook	16	-	-	-	-	15	16
WD	Lewis Pond outlet	-	-	-	-	-	20	
WD	P'tuck River @ Burdickville Rd	28	-	-	-	-	25	27
WD	P'tuck River @ Chase Hill Rd.	28	-	-	-	-	23	26
WD	P'tuck River below Kenyon Ind.	23	-	-	-	-	19	21
WD	P'tuck River @ Rte 91	-	-	-	-	-	21	
WD	Queen River @ Mail Rd	20	-	-	-	-	14	17
WD	Queen River @ Rte 102	8	-	-	-	-	6	7
WD	Shunock River @ Main St	-	-	-	-	-	13	
WD	Shunock below Parke Pond	-	-	-	-	-	17	
WD	Taney Brook	5	-	-	-	-	6	6
WD	Tomaquag Brook @ Chase Hill	34	-	-	-	-	27	31
WD	Tomaquag Brook @ Woodville Rd.	16	-	-	-	-	99	58
WD	Usquepaugh River @ Rte 2	-	-	-	-	-	17	

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