

2004 Parameter Data: Chloride

2004 Chloride Data for Lakes, Ponds, and Reservoirs

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>	<u>LOCATION</u>	<u>MAY</u>	<u>JUNE</u>	<u>JULY</u>	<u>AUG.</u>	<u>SEPT.</u>	<u>OCT.</u>	<u>MEAN</u>
<u>Code</u>	<u>Concentration at 1M</u>	<u>-- (mg/l or ppm) --</u>						
CE	Almy Pond	Not measured due to ocean influence of this site						
WD	Alton Pond	27	-	-	-	-	46	37
TH	Arnold Pond	3	-	-	-	-	4	4
WD	Barber Pond	20	-	-	-	-	25	23
A	Belleville Pond - Lower	39	-	-	-	-	35	37
A	Belleville Pond - upper	40	-	-	-	-	41	41
PA	Blackamore Pond	113	-	-	-	-	23	68
TH	Bowdish Reservoir	26	-	-	-	-	47	37
WD	Breakheart Pond	22	-	-	-	-	27	25
NA	Brickyard Pond	Not measured due to ocean influence of this site						
WD	Browning Mill Pond	55	-	-	-	-	58	57
TH	Carbuncle Pond	15	-	-	-	-	23	19
PE	Carr Pond (NK)	59	-	-	-	-	45	52
PA	Carr Pond (WG)	3	-	-	-	-	4	4
WD	Chapman Pond	54	-	-	-	-	-	
CW	Deep Pond	6	-	-	-	-	19	13
PA	Fenner Pond	80	-	-	-	-	71	76
PA	Flat River Reservoir	29	-	-	-	-	29	29
WO	Georgiaville Pond	54	-	-	-	-	57	56
B	Handy Pond	28	-	-	-	-	157	93
WO	Hawkins Pond	34	-	-	-	-	35	35
WD	Hundred Acre Pond	24	-	-	-	-	24	24
S	Indian Lake	52	-	-	-	-	48	50
B	Keech Pond	19	-	-	-	-	30	25
TH	Lake Washington	44	-	-	-	-	-	
CE	Lily Pond	47	-	-	-	-	49	48
PA	Little Pond	12	-	-	-	-	11	12
WD	Locustville Pond	18	-	-	-	-	-	
S	Long Pond (SK)	-	7	-	-	-	6	7
PA	Mashapaug Pond	67	-	-	-	-	65	66
WD	Meadowbrook Pond	14	-	-	-	-	16	15

ND = No Detect; Limit of Detection = 3 ppm

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<u>Code</u>	<u>Concentration at 1M</u>	<u>-- (mg/l or ppm) --</u>							
NA	Melville Pond - Upper	-	-	-	-	-	-		
PA	Mishnock Lake	97	-	-	-	-	94	96	
SK	Nanaquaket Pond	Not measured due to ocean influence of this site							
PA	Oak Swamp Reservoir	53	-	-	-	-	49	51	
B	Pascoag Reservoir	16	-	-	-	-	20	18	
WD	Pasquissett Pond	31	-	-	-	-	32	32	
NA	Prince's Pond	Not measured due to ocean influence of this site							
WD	Queen @ Usquepaugh (Glen Rock Res.)	13	-	-	-	-	11	12	
PA	Randall Pond	116	-	-	-	-	110	113	
CE	Round Pond	103	-	-	-	-	111	107	
PA	Sand Pond	220	-	-	-	-	116	168	
S	Saugatucket Pond	43	-	-	-	-	-		
CW	Schoolhouse Pond - Lower	6	-	-	-	-	7	7	
CW	Schoolhouse Pond - Upper	6	-	-	-	-	7	7	
A	Secret Lake	26	-	-	-	-	26	26	
S	Silver Lake	26	-	-	-	-	32	29	
PE	Silver Spring Lake	36	-	-	-	-	42	39	
CE	Simmon Mills Pond	33	-	-	-	-	31	32	
TH	Sisson Pond (Coventry)	29	-	-	-	-	43	36	
WO	Slack's Reservoir	42	-	-	-	-	54	48	
TE	Slater Pond	13	-	-	-	-	15	14	
B	Slatersville Reservoir - Upper	22	-	-	-	-	36	29	
B	Smith & Sayles Reservoir	18	-	-	-	-	23	21	
WD	Spalding Pond	7	-	-	-	-	9	8	
PA	Spectacle Pond	-	-	-	-	-	18	18	
B	Spring Grove Pond	31	-	-	-	-	33	32	
B	Spring Lake	6	-	-	-	-	11	9	
TA	Stafford Pond	23	-	-	-	-	27	25	
PA	Tarbox Pond	8	-	-	-	-	12	10	
PA	Tiogue Lake	93	-	-	-	-	116	105	
WD	Tucker Pond	6	-	-	-	-	6	6	
PA	Upper Dam Pond	53	-	-	-	-	46	50	
TE	Valley Falls Pond	61	-	-	-	-	78	70	
B	Wallum Lake	9	-	-	-	-	8	9	
NA	Warwick Pond	45	-	-	-	-	33	39	
WD	Watchaug Pond	13	-	-	-	-	13	13	
WO	Waterman Reservoir	23	-	-	-	-	24	24	
NA	Wesquage Pond	Not measured due to ocean influence of this site							
WD	White Brook Pond	28	-	-	-	-	26	27	

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<u>Code</u>	<u>Concentration at 1M</u>	<u>-- (mg/l or ppm) --</u>						
WD	Wickaboxet Pond	4	-	-	-	-	3	4
WD	Wincheck Pond	10	-	-	-	-	10	10
WO	Woonasquatucket Res. - Stump	45	-	-	-	-	40	43
WD	Worden Pond	22	-	-	-	-	20	21
WD	Wyassup Lake	7	-	-	-	-	6	7
WD	Wyoming Pond	-	-	-	-	-	28	
WD	Yawgoo Pond	10	-	-	-	-	10	10

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<u>Code</u>	<u>Concentration at ~+ 4meters</u>	<u>-- (mg/l or ppm) --</u>						
WD	Barber Pond	17	-	-	-	-	19	18
NA	Brickyard Pond	Not measured due to ocean influence of this site						
TH	Carbuncle Pond	13	-	-	-	-	-	
PE	Carr Pond (NK)	53	-	-	-	-	43	48
PA	Carr Pond (WG)	2	-	-	-	-	5	4
CW	Deep Pond	8	-	-	-	-	10	9
PA	Flat River Reservoir	25	-	-	-	-	24	25
WO	Georgiaville Pond	51	-	-	-	-	61	56
WD	Hundred Acre Pond	21	-	-	-	-	23	22
PA	Little Pond	14	-	-	-	-	12	13
S	Long Pond (SK)	-	6	-	-	-	10	8
PA	Mishnock Lake	82	-	-	-	-	-	
B	Pascoag Reservoir	16	-	-	-	-	19	18
NA	Prince's Pond	Not measured due to ocean influence of this site						
PA	Sand Pond	216	-	-	-	-	362	289
CW	Schoolhouse Pond - Lower	8	-	-	-	-	9	9
CW	Schoolhouse Pond - Upper	8	-	-	-	-	8	8
S	Silver Lake	31	-	-	-	-	28	30
B	Slatersville Reservoir - Upper	22	-	-	-	-	30	26
B	Spring Lake	8	-	-	-	-	8	8
TA	Stafford Pond	25	-	-	-	-	24	25
WD	Tucker Pond	7	-	-	-	-	7	7
B	Wallum Lake	24	-	-	-	-	10	17
PA	Warwick Pond	48	-	-	-	-	36	42
WD	Watchaug Pond	15	-	-	-	-	13	14
WD	Wickaboxet Pond	5	-	-	-	-	26	16
WD	Wincheck Pond	10	-	-	-	-	10	10
WD	Wyassup Lake	8	-	-	-	-	7	8
WD	Yawgoo Pond	15	-	-	-	-	10	13

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