

### 2003 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.

LOCATION	MAY	JUNE	JULY	AUG.	SEP.	OCT.	MEAN
<b>Concentration at 1M</b>	<b>-- (mg/l or ppm) --</b>						
Almy Pond (Newport)	-	-	-	-	-	-	-
Alton Pond	26	-	-	-	-	27	27
Ashville Pond	5	-	-	-	-	5	5
Barber Pond	19	-	-	-	-	20	20
Belleville Pond - Lower	32	-	-	-	-	34	33
Belleville Pond - upper	-	-	-	-	-	37	37
Boone Lake	74	-	-	-	-	-	-
Bowdish Reservoir	-	-	-	-	-	24	24
Breakheart Pond	22	-	-	-	-	20	21
Browning Mill Pond	-	-	-	-	-	74	74
Carbuncle Pond	15	-	-	-	-	15	15
Carr Pond (NK)	44	-	-	-	-	36	40
Carr Pond (WG)	9	-	-	-	-	5	7
Chapman Pond	48	-	-	-	-	61	55
Coomber's Reservoir	44	-	-	-	-	-	-
Deep Pond	-	-	-	-	-	8	8
Flat River Reservoir	26	-	-	-	-	25	26
Georgiaville Pond	57	-	-	-	-	52	55
Hawkins Pond	33	-	-	-	-	31	32
Hundred Acre Pond	-	-	-	-	-	23	23
Indian Lake	39	-	-	-	-	38	39
Keech Pond	24	-	-	-	-	24	24
Little Pond	-	-	-	-	-	12	12
Locustville Pond	-	-	-	-	-	19	19
Long Pond (Hopkinton)	3	-	-	-	-	4	4
Long Pond (SK)	7	-	-	-	-	8	8
Lower Sprague Reservoir	23	-	-	-	-	19	21
Mashapaug Pond	78	-	-	-	-	-	-
Meadowbrook Pond	13	-	-	-	-	15	14
Melville Pond - Upper	-	-	-	-	-	40	40
Oak Swamp Reservoir	45	-	-	-	-	43	44
Pascoag Reservoir	18	-	-	-	-	19	19
Pasquissett Pond	27	-	-	-	-	30	29
Queen - Usquepaug (Glen Rock)	12	-	-	-	-	12	12
Randall Pond	142	-	-	-	-	115	129

2003 Parameter Data: Chloride

LOCATION	MAY	JUNE	JULY	AUG.	SEP.	OCT.	MEAN
Concentration at 1M	-- (mg/l or ppm) --						
Roger Wm Park Pond	102	-	-	-	-	-	-
Sand Pond	109	-	-	-	-	88	99
Saugatucket Pond	21	-	-	-	-	24	23
Saw Mill Pond (NK)	38	-	-	-	-	40	39
Schoolhouse Pond - Lower	-	-	-	-	-	8	-
Schoolhouse Pond - Upper	-	-	-	-	-	8	-
Secret Lake	24	-	-	-	-	23	24
Silver Lake	25	-	-	-	-	26	26
Silver Spring Lake	31	-	-	-	-	35	33
Slack's Reservoir	49	-	-	-	-	40	45
Slater Pond	14	-	-	-	-	15	15
Slatersville Res. - upper	27	-	-	-	-	30	29
Smith & Sayles Reservoir	-	-	-	-	-	23	-
Spalding Pond	8	-	-	-	-	10	9
Spectacle Pond	80	-	-	-	-	43	62
Spring Grove Pond	22	-	-	-	-	23	23
Spring Lake	29	-	-	-	-	8	19
Stafford Pond	23	-	-	-	-	23	23
Stillwater Pond	46	-	-	-	-	39	43
Tarbox Pond	8	-	-	-	-	18	13
Tarkiln Pond	16	-	-	-	-	17	17
Tiogue Lake	93	-	-	-	-	105	99
Tucker Pond	6	-	-	-	-	7	7
Turner Reservoir	81	-	-	-	-	93	87
Valley Falls Pond	82	-	-	-	-	80	81
Wallum Lake	8	-	-	-	-	-	-
Warwick Pond	48	-	-	-	-	40	44
Watchaug Pond	11	-	-	-	-	13	12
Waterman Reservoir	25	-	-	-	-	24	25
Wenscott Reservoir	38	-	-	-	-	35	37
White Pond	6	-	-	-	-	-	6
Wilson Reservoir	18	-	-	-	-	17	18
Wincheck Pond	8	-	-	-	-	10	9
Woonasquatucket Res. Stump	39	-	-	-	-	37	38
Worden Pond	-	-	-	-	-	-	-
Wyassup Lake	6	-	-	-	-	7	7
Wyoming Pond	26	-	-	-	-	-	-
Yawgoo Pond	11	-	-	-	-	11	11

ND = No Detect      Limit of Detection = 3 ppm

Chloride only analyzed in May lake samples to capture winter road salt impacts,  
and October to assess seasonal variation.