

2003 Total Phosphorus Data for Lakes, Ponds, and Reservoirs

In fresh water lakes, ponds, reservoirs and streams, phosphorus is the nutrient that has the most influence on plant growth. Just parts per billion (ppb) increases are needed to stimulate the growth of algae. Measurement of total phosphorus includes readily available dissolved phosphorus as well as particulate phosphorus and organic forms of phosphorus. Phosphorus readily binds to lake sediments and can be later released back into the water column if there is no oxygen in the bottom water of the lake in a process known as internal recycling.

LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Concentration at 1M	-- (ug/l or ppp) --						
Almy Pond (Newport)	199	-	201	-	-	197	199
Alton Pond	12	-	15	-	-	16	14
Ashville Pond	6	-	12	-	-	6	8
Barber Pond	21	-	36	-	24	38	30
Belleville Pond - Lower	21	-	16	-	-	19	19
Belleville Pond - upper	-	18	18	-	-	25	20
Boone Lake	9	-	30	-	-	-	20
Bowdish Reservoir	-	7	15	-	-	12	11
Breakheart Pond	9	-	18	20	-	10	14
Brickyard Pond	62	-	-	-	-	-	0
Browning Mill Pond	-	-	26	-	-	8	17
Carbuncle Pond	8	-	11	-	-	13	11
Carr Pond (NK)	15	-	13	-	-	14	14
Carr Pond (WG)	ND	-	8	-	-	7	6
Chapman Pond	16	-	20	-	-	17	18
Coomber's Reservoir	4	-	11	-	-	-	8
Deep Pond	-	8	7	-	-	9	8
Flat River Reservoir	6	-	10	-	-	8	8
Georgiaville Pond	7	-	9	-	-	12	9
Hawkins Pond	6	-	17	-	-	9	11
Hundred Acre Pond	-	21	16	-	-	27	21
Indian Lake	9	-	11	-	-	14	11
Keech Pond	6	-	12	-	-	12	10
Little Pond	15	-	15	-	-	13	14
Locustville Pond	-	-	15	-	-	16	16
Long Pond (Hopkinton)	8	-	12	-	-	11	10
Long Pond (SK)	6	-	9	-	-	9	8
Lower Sprague Reservoir	20	-	379	-	-	37	145
Mashapaug Pond	30	-	19	-	-	-	25
Meadowbrook Pond	18	-	28	-	-	20	22
Melville Pond - Upper	16	-	29	-	-	41	29
Nanaquaket Pond	44	-	110	-	-	72	75
Oak Swamp Reservoir	10	-	28	-	-	22	20
Pascoag Reservoir	4	-	22	-	-	12	13
Pasquisset Pond	17	-	43	-	-	18	26
Prince's Pond	63	-	69	-	-	138	90

2003 Parameter Data: Total Phosphorus

LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Concentration at 1M							
-- (ug/l or ppp) --							
Queen - Usquepaug (Glen Rock)	11	-	32	-	-	10	18
Randall Pond	20	-	36	-	-	12	23
Roger Wm Park Pond	127	-	113	-	-	-	120
Sand Pond	22	-	32	-	-	27	27
Saugatucket Pond	11	-	17	-	-	15	14
Saw Mill Pond (NK)	16	-	-	-	-	11	14
Schoolhouse Pond - Lower	-	10	6	-	-	14	10
Schoolhouse Pond - Upper	-	9	6	-	-	-	8
Secret Lake	9	-	10	-	-	7	9
Silver Lake	21	-	6	-	-	22	16
Silver Spring Lake	9	-	23	-	-	13	15
Slack's Reservoir	21	14	16	17	11	19	16
Slater Pond	479	-	67	-	-	26	191
Slatersville Res. - upper	13	-	16	-	-	16	15
Smith & Sayles Reservoir	-	13	6	-	-	31	17
Spalding Pond	12	-	37	-	-	19	23
Spectacle Pond	45	-	39	-	-	86	57
Spring Grove Pond	7	-	16	-	-	15	13
Spring Lake	17	-	6	-	-	14	12
Stafford Pond	17	-	23	-	-	28	23
Stillwater Pond	11	-	14	-	-	13	13
Tarbox Pond	8	-	43	-	-	9	20
Tarkiln Pond	12	-	-	-	-	-	-
Tiogue Lake	11	-	10	-	-	14	12
Tucker Pond	20	-	43	-	-	11	25
Turner Reservoir	92	-	126	-	-	133	117
Valley Falls Pond	173	-	216	-	-	201	197
Wallum Lake	5	-	5	-	-	-	5
Warwick Pond	35	-	24	-	-	38	32
Watchaug Pond	9	-	9	-	-	17	12
Waterman Reservoir	9	-	15	-	-	14	13
Wenscott Reservoir	9	-	9	-	-	10	9
Wesquage Pond	22	-	37	-	-	36	32
White Pond	5	-	4	-	-	-	5
Wilson Reservoir	10	-	25	-	-	10	15
Wincheck Pond	6	-	13	-	-	6	8
Woonasquatucket Res. Stump	15	-	16	-	-	17	16
Worden Pond	-	-	31	-	-	-	-
Wyassup Lake	9	-	10	-	-	10	10
Wyoming Pond	15	-	24	-	-	-	20
Yawgoo Pond	22	23	18	30	23	27	24

ND = No Detect Limit of Detection = 3 ppb

Mean calculated using half the limit of detection (1.5 ppb) for ND