

### 2003 Dissolved 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. Dissolved phosphorus is the portion of the total phosphorus that is dissolved in the water, rather than bound in the algae and zooplankton or adhered to the sediment. Dissolved phosphorus is the form that is readily available for additional algal growth. In mid-summer dissolved phosphorus levels are usually low in lakes because it is quickly taken up and used by plants and algae.

LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Concentration at 1M	-- (ug/l or ppp) --						
Almy Pond (Newport)	8	-	10	-	-	ND	7
Alton Pond	ND	-	11	-	-	ND	5
Ashville Pond	ND	-	ND	-	-	-	ND
Barber Pond	ND	-	ND	-	ND	ND	ND
Belleville Pond - Lower	ND	-	10	-	-	ND	4
Belleville Pond - upper	-	15	ND	-	-	ND	6
Boone Lake	ND	-	ND	-	-	-	ND
Bowdish Reservoir	-	11	ND	-	-	ND	5
Breakheart Pond	ND	-	ND	-	-	ND	ND
Brickyard Pond	ND	-	ND	-	-	-	ND
Browning Mill Pond	-	-	ND	-	-	ND	ND
Carbuncle Pond	ND	-	ND	-	-	ND	ND
Carr Pond (NK)	ND	-	ND	-	-	ND	ND
Carr Pond (WG)	ND	-	ND	-	-	ND	ND
Chapman Pond	ND	-	ND	-	-	ND	ND
Coomber's Reservoir	ND	-	ND	-	-	-	ND
Deep Pond	-	18	ND	-	-	ND	7
Flat River Reservoir	ND	-	ND	-	-	ND	ND
Georgiaville Pond	ND	-	ND	-	-	ND	ND
Hawkins Pond	ND	-	ND	-	-	ND	ND
Hundred Acre Pond	-	13	ND	-	-	ND	5
Indian Lake	ND	-	ND	-	-	ND	ND
Keech Pond	ND	-	ND	-	-	ND	ND
Little Pond	ND	-	ND	-	-	ND	ND
Locustville Pond	-	-	ND	-	-	ND	ND
Long Pond (Hopkinton)	ND	-	ND	-	-	ND	ND
Long Pond (SK)	ND	-	ND	-	-	ND	ND
Lower Sprague Reservoir	ND	-	15	-	-	ND	6
Mashapaug Pond	ND	-	ND	-	-	-	ND
Meadowbrook Pond	ND	-	ND	-	-	ND	ND
Melville Pond - Upper	21	-	11	-	-	ND	11
Nanaquaket Pond	20	-	ND	-	-	64	29
Oak Swamp Reservoir	ND	-	41	-	-	13	19
Pascoag Reservoir	ND	-	ND	-	-	ND	ND
Pasquissett Pond	ND	-	ND	-	-	ND	ND
Prince's Pond	ND	-	22	-	-	54	26

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<b>Concentration at 1M</b>		<b>-- (ug/l or ppp) --</b>					
Queen - Usquepaug (Glen Rock)	ND	-	ND	-	-	ND	ND
Randall Pond	ND	-	14	-	-	ND	6
Roger Wm Park Pond	ND	-	ND	-	-	-	ND
Sand Pond	ND	-	ND	-	-	ND	ND
Saugatucket Pond	ND	-	11	-	-	ND	5
Saw Mill Pond (NK)	ND	11	ND	-	-	11	6
Schoolhouse Pond - Lower	-	11	ND	-	-	ND	5
Schoolhouse Pond - Upper	-	12	ND	-	-	ND	5
Secret Lake	ND	-	ND	-	-	ND	ND
Silver Lake	ND	-	ND	-	-	ND	ND
Silver Spring Lake	ND	-	ND	-	-	ND	ND
Slack's Reservoir	ND	11	ND	-	-	ND	4
Slater Pond	6	-	ND	-	-	ND	3
Slatersville Res. - upper	ND	-	ND	-	-	ND	ND
Smith & Sayles Reservoir	-	11	10	-	-	ND	8
Spalding Pond	ND	-	ND	-	-	ND	ND
Spectacle Pond	ND	-	ND	-	-	ND	ND
Spring Grove Pond	6	-	ND	-	-	ND	3
Spring Lake	ND	-	ND	-	-	ND	ND
Stafford Pond	ND	-	-	-	-	ND	ND
Stillwater Pond	ND	-	ND	-	-	ND	ND
Tarbox Pond	7	-	ND	-	-	ND	3
Tarkiln Pond	6	-	-	-	-	ND	4
Tiogue Lake	ND	-	ND	-	-	ND	ND
Tucker Pond	ND	-	ND	-	-	ND	ND
Turner Reservoir	22	-	34	-	-	41	32
Valley Falls Pond	18	-	36	-	-	44	33
Wallum Lake	ND	-	ND	-	-	-	ND
Warwick Pond	6	-	ND	-	-	ND	3
Watchaug Pond	6	-	ND	-	-	ND	3
Waterman Reservoir	ND	-	ND	-	-	ND	ND
Wenscott Reservoir	ND	-	ND	-	-	ND	ND
Wesquage Pond	ND	-	ND	-	-	10	4
White Pond	ND	-	ND	-	-	-	ND
Wilson Reservoir	ND	-	ND	-	-	10	4
Wincheck Pond	ND	-	ND	-	-	ND	ND
Woonasquatucket Res. Stump	ND	-	ND	-	-	ND	ND
Worden Pond	-	-	ND	-	-	-	ND
Wyassup Lake	ND	-	ND	-	-	ND	ND
Wyoming Pond	ND	-	ND	-	-	-	ND
Yawgoo Pond	ND	12	ND	ND	-	ND	4

ND = No Detect                      Limit of Detection = 3 ppb

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