

2004 Parameter Data: Dissolved Phosphorus

**2004 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.

Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	Concentration at 1M	-- (ug/l or ppb) --						
CE	Almy Pond	ND	-	10	-	-	4	5
WD	Alton Pond	ND	-	ND	-	-	4	3
TH	Arnold Pond	ND	-	ND	-	-	4	3
WD	Barber Pond	ND	-	7	-	ND	ND	3
A	Belleville Pond - Lower	ND	-	13	-	-	ND	6
A	Belleville Pond - upper	ND	-	8	-	-	4	5
PA	Blackamore Pond	ND	-	ND	-	-	ND	ND
TH	Bowdish Reservoir	ND	-	ND	-	-	ND	ND
WD	Breakheart Pond	ND	-	ND	-	-	ND	ND
NA	Brickyard Pond	ND	-	7	-	-	-	5
WD	Browning Mill Pond	ND	-	9	-	-	9	7
TH	Carbuncle Pond	ND	-	5	ND	ND	5	3
PE	Carr Pond (NK)	ND	-	ND	-	-	62	22
PA	Carr Pond (WG)	ND	-	ND	-	-	ND	ND
WD	Chapman Pond	ND	-	6	-	-	-	4
CW	Deep Pond	ND	-	8	-	-	6	5
PA	Fenner Pond	ND	-	13	-	-	5	7
PA	Flat River Reservoir	ND	-	5	-	-	ND	3
WO	Georgiaville Pond	ND	-	ND	-	-	ND	ND
B	Handy Pond	ND	-	5	-	-	ND	3
WO	Hawkins Pond	ND	-	5	-	-	ND	3
WD	Hundred Acre Pond	ND	-	ND	-	-	4	3
S	Indian Lake	ND	-	ND	-	-	ND	ND
B	Keech Pond	ND	-	ND	-	-	ND	ND
TH	Lake Washington	ND	-	8	-	ND	-	4
CE	Lily Pond	ND	-	6	-	-	5	4
PA	Little Pond	ND	-	ND	-	ND	ND	ND
WD	Locustville Pond	ND	-	-	-	-	-	ND
S	Long Pond (SK)	-	ND	ND	-	-	ND	ND

ND = No Detect; Limit of Detection = 4 ug/L

Mean calculated using half the limit of detection (2 ug/L) for ND.

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Code	Concentration at 1M	-- (ug/l or ppb) --						
PA	Mashapaug Pond	ND	-	7	-	-	9	6
WD	Meadowbrook Pond	ND	-	6	-	-	ND	3
NA	Melville Pond - Upper	ND	-	10	-	-	8	7
PA	Mishnock Lake	ND	-	ND	-	-	6	3
SK	Nanaquaket Pond	33	-	83	-	-	66	61
PA	Oak Swamp Reservoir	ND	-	5	-	-	ND	3
B	Pascoag Reservoir	ND	-	ND	-	-	5	3
WD	Pasquissett Pond	ND	-	-	-	-	6	4
NA	Prince's Pond	8	-	14	-	11	13	12
WD	Queen @ Usquepaugh (Glen Rock Res.)	ND	-	6	-	-	6	5
PA	Randall Pond	ND	-	ND	-	-	ND	ND
CE	Round Pond	ND	-	5	-	-	12	6
PA	Sand Pond	27	-	5	ND	ND	ND	8
S	Saugatucket Pond	ND	-	-	-	-	-	ND
CW	Schoolhouse Pond - Lower	ND	-	7	-	-	ND	4
CW	Schoolhouse Pond - Upper	ND	-	ND	-	-	ND	ND
A	Secret Lake	ND	-	5	-	-	ND	3
S	Silver Lake	ND	-	ND	-	-	ND	ND
PE	Silver Spring Lake	ND	-	8	-	-	ND	4
CE	Simmon Mills Pond	ND	-	5	-	-	ND	3
TH	Sisson Pond (Coventry)	ND	-	5	-	-	4	4
WO	Slack's Reservoir	ND	ND	ND	ND	ND	ND	ND
TE	Slater Pond	ND	-	5	-	-	ND	3
B	Slatersville Reservoir - Upper	ND	-	5	5	-	4	4
B	Smith & Sayles Reservoir	ND	-	ND	-	-	ND	ND
WD	Spalding Pond	ND	-	5	-	-	ND	3
PA	Spectacle Pond	ND	-	-	4	-	4	3
B	Spring Grove Pond	ND	-	ND	-	-	ND	ND
B	Spring Lake	ND	-	ND	-	-	ND	ND
TA	Stafford Pond	ND	-	ND	-	-	ND	ND
PA	Tarbox Pond	ND	-	ND	-	-	ND	ND
PA	Tiogue Lake	ND	-	ND	-	-	ND	ND
WD	Tucker Pond	ND	-	-	ND	-	ND	ND
PA	Upper Dam Pond	ND	-	48	-	-	ND	17
TE	Valley Falls Pond	48	-	55	-	-	34	46
B	Wallum Lake	-	-	5	-	-	ND	4

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<b>Code</b>	<b>Concentration at 1M</b>	<b>-- (ug/l or ppb) --</b>						
NA	Warwick Pond	ND	-	8	4	ND	ND	<b>4</b>
WD	Watchaug Pond	ND	-	7	-	-	4	<b>4</b>
WO	Waterman Reservoir	ND	-	ND	-	-	ND	<b>ND</b>
NA	Wesquage Pond	ND	-	5	-	-	4	<b>4</b>
WD	White Brook Pond	34	-	27	-	-	11	<b>24</b>
WD	Wickaboxet Pond	ND	-	ND	-	-	9	<b>4</b>
WD	Wincheck Pond	ND	-	5	-	-	ND	<b>3</b>
WO	Woonasquatucket Res. - Stump	7	-	5	-	-	ND	<b>4</b>
WD	Worden Pond	ND	-	6	-	-	ND	<b>3</b>
WD	Wyassup Lake	ND	-	6	-	-	ND	<b>3</b>
WD	Wyoming Pond	-	-	6	-	-	ND	<b>4</b>
WD	Yawgoo Pond	ND	ND	7	ND	ND	9	<b>4</b>

Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
<b>Code</b>	<b>Concentration at ~+ 4 M</b>	<b>-- (ug/l or ppb) --</b>						
WD	Barber Pond	ND	-	14	-	7	5	<b>9</b>
NA	Brickyard Pond	ND	-	13	-	-	-	<b>8</b>
TH	Carbuncle Pond	ND	-	10	5	5	-	<b>6</b>
PE	Carr Pond (NK)	ND	-	9	-	-	ND	<b>4</b>
PA	Carr Pond (WG)	ND	-	5	-	-	ND	<b>3</b>
CW	Deep Pond	ND	-	ND	-	-	4	<b>3</b>
PA	Flat River Reservoir	ND	-	6	-	-	4	<b>4</b>
WO	Georgiaville Pond	ND	-	6	-	-	5	<b>4</b>
WD	Hundred Acre Pond	ND	-	8	-	-	4	<b>5</b>
PA	Little Pond	ND	-	5	-	2480	7	<b>624</b>
S	Long Pond (SK)	-	ND	8	-	-	ND	<b>4</b>
PA	Mishnock Lake	ND	-	ND	-	-	-	<b>ND</b>
B	Pascoag Reservoir	ND	-	5	-	-	126	<b>44</b>
NA	Prince's Pond	4	-	-	-	100	30	<b>45</b>
PA	Sand Pond	23	-	6	4	ND	4	<b>8</b>
CW	Schoolhouse Pond - Lower	ND	-	5	-	-	ND	<b>3</b>
CW	Schoolhouse Pond - Upper	ND	-	6	-	-	ND	<b>3</b>
S	Silver Lake	ND	-	7	-	-	58	<b>22</b>
B	Slatersville Reservoir - Upper	ND	-	10	6	-	4	<b>6</b>
B	Spring Lake	ND	-	5	-	-	ND	<b>3</b>
TA	Stafford Pond	ND	-	31	-	-	ND	<b>12</b>

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<b>Code</b>	<b>Concentration at ~+ 4 M</b>							
					<b>-- (ug/l or ppb) --</b>			
WD	Tucker Pond	ND	-	-	*	-	8	<b>5</b>
B	Wallum Lake	ND	-	17	-	-	ND	<b>7</b>
PA	Warwick Pond	ND	-	7	6	4	ND	<b>4</b>
WD	Watchaug Pond	ND	-	6	-	-	5	<b>4</b>
WD	Wickaboxet Pond	ND	-	14	-	-	62	<b>26</b>
WD	Wincheck Pond	ND	-	-	-	-	ND	<b>ND</b>
WD	Wyassup Lake	ND	-	6	-	-	ND	<b>3</b>
WD	Yawgoo Pond	ND	22	-	124	184	26	<b>72</b>

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