

2004 Parameter Data: Total Phosphorus

**2004 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 can 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.

Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	Concentration at 1M	-- (ug/l or ppb) --						
CE	Almy Pond	120	-	188	-	-	76	<b>128</b>
WD	Alton Pond	14	-	14	-	-	20	<b>16</b>
TH	Arnold Pond	19	-	13	-	-	15	<b>16</b>
WD	Barber Pond	17	-	20	-	23	23	<b>21</b>
A	Belleville Pond - Lower	20	-	25	-	-	14	<b>20</b>
A	Belleville Pond - upper	23	-	33	-	-	30	<b>29</b>
PA	Blackamore Pond	27	-	21	-	-	52	<b>33</b>
TH	Bowdish Reservoir	11	-	17	-	-	28	<b>19</b>
WD	Breakheart Pond	8	-	20	-	-	12	<b>13</b>
NA	Brickyard Pond	61	-	17	-	-	-	<b>39</b>
WD	Browning Mill Pond	13	-	16	-	-	9	<b>13</b>
TH	Carbuncle Pond	21	-	17	29	17	18	<b>20</b>
PE	Carr Pond (NK)	9	-	19	-	-	14	<b>14</b>
PA	Carr Pond (WG)	5	-	15	-	-	11	<b>10</b>
WD	Chapman Pond	28	-	22	-	-	-	<b>25</b>
CW	Deep Pond	8	-	14	-	-	15	<b>12</b>
PA	Fenner Pond	30	-	76	-	-	34	<b>47</b>
PA	Flat River Reservoir	13	-	14	-	-	14	<b>14</b>
WO	Georgiaville Pond	9	-	15	-	-	13	<b>12</b>
B	Handy Pond	17	-	13	-	-	20	<b>17</b>
WO	Hawkins Pond	14	-	14	-	-	12	<b>13</b>
WD	Hundred Acre Pond	19	-	15	-	-	34	<b>23</b>
S	Indian Lake	20	-	18	-	-	16	<b>18</b>
B	Keech Pond	15	-	13	-	-	11	<b>13</b>
TH	Lake Washington	41	-	15	-	17	-	<b>24</b>
CE	Lily Pond	33	-	17	-	-	35	<b>28</b>
PA	Little Pond	17	-	18	-	16	22	<b>18</b>
WD	Locustville Pond	16	-	-	-	-	-	<b>-</b>
S	Long Pond (SK)	-	10	14	-	-	12	<b>12</b>
PA	Mashapaug Pond	40	-	25	-	-	37	<b>34</b>
WD	Meadowbrook Pond	20	-	33	-	-	20	<b>24</b>
NA	Melville Pond - Upper	32	-	64	-	-	75	<b>57</b>

ND = No Detect; Limit of Detection = 5 ppb

Mean calculated using half the limit of detection (2.5 ppb) for ND

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Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	Concentration at 1M	-- (ug/l or ppb) --						
PA	Mishnock Lake	11	-	15	-	-	11	12
SK	Nanaquaket Pond	63	-	103	-	-	80	82
PA	Oak Swamp Reservoir	13	-	20	-	-	13	15
B	Pascoag Reservoir	13	-	12	-	-	12	12
WD	Pasquissett Pond	18	-	-	-	-	22	20
NA	Prince's Pond	75	-	72	-	57	102	77
WD	Queen @ Usquepaugh (Glen Rock Res.)	16	-	16	-	-	15	16
PA	Randall Pond	34	-	21	-	-	12	22
CE	Round Pond	43	-	38	-	-	34	38
PA	Sand Pond	27	-	29	28	26	26	27
S	Saugatucket Pond	15	-	-	-	-	-	-
CW	Schoolhouse Pond - Lower	9	-	12	-	-	10	10
CW	Schoolhouse Pond - Upper	9	-	11	-	-	11	10
A	Secret Lake	14	-	13	-	-	14	14
S	Silver Lake	20	-	17	-	-	17	18
PE	Silver Spring Lake	20	-	16	-	-	14	17
CE	Simmon Mills Pond	21	-	23	-	-	14	19
TH	Sisson Pond (Coventry)	21	-	25	-	-	26	24
WO	Slack's Reservoir	18	22	15	23	23	14	19
TE	Slater Pond	42	-	40	-	-	40	41
B	Slatersville Reservoir - Upper	21	-	18	21	-	16	19
B	Smith & Sayles Reservoir	13	-	13	-	-	12	13
WD	Spalding Pond	21	-	32	-	-	21	25
PA	Spectacle Pond	42	-	-	56	-	61	53
B	Spring Grove Pond	15	-	16	-	-	6	12
B	Spring Lake	14	-	14	-	-	14	14
TA	Stafford Pond	21	-	26	-	-	28	25
PA	Tarbox Pond	12	-	14	-	-	19	15
PA	Tiogue Lake	16	-	17	-	-	13	15
WD	Tucker Pond	18	-	-	19	-	17	18
PA	Upper Dam Pond	15	-	63	-	-	13	30
TE	Valley Falls Pond	192	-	155	-	-	153	167
B	Wallum Lake	9	-	13	-	-	10	11
NA	Warwick Pond	47	-	32	23	24	24	30
WD	Watchaug Pond	17	-	15	-	-	16	16
WO	Waterman Reservoir	13	-	14	-	-	14	14
NA	Wesquage Pond	44	-	45	-	-	31	40
WD	White Brook Pond	54	-	49	-	-	32	45

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Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	Concentration at 1M	-- (ug/l or ppb) --						
WD	Wickaboxet Pond	12	-	10	-	-	20	14
WD	Wincheck Pond	14	-	9	-	-	10	11
WO	Woonasquatucket Res. - Stump	26	-	29	-	-	16	24
WD	Worden Pond	15	-	21	-	-	17	18
WD	Wyassup Lake	22	-	13	-	-	13	16
WD	Wyoming Pond	13	-	17	-	-	19	16
WD	Yawgoo Pond	26	25	22	25	22	24	24
Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Code	Concentration at ~+ 4 M	-- (ug/l or ppb) --						
WD	Barber Pond	25	-	11	-	17	26	20
NA	Brickyard Pond	69	-	28	-	-	-	49
TH	Carbuncle Pond	23	-	10	12	22	-	17
PE	Carr Pond (NK)	17	-	10	-	-	12	13
PA	Carr Pond (WG)	8	-	13	-	-	9	10
CW	Deep Pond	18	-	11	-	-	17	15
PA	Flat River Reservoir	9	-	11	-	-	ND	10
WO	Georgiaville Pond	17	-	8	-	-	26	17
WD	Hundred Acre Pond	14	-	10	-	-	9	11
PA	Little Pond	19	-	16	-	2507	17	640
S	Long Pond (SK)	-	10	11	-	-	10	10
PA	Mishnock Lake	10	-	12	-	-	16	13
B	Pascoag Reservoir	15	-	14	-	-	148	59
NA	Prince's Pond	87	-	95	-	155	106	111
PA	Sand Pond	112	-	73	75	150	101	102
CW	Schoolhouse Pond - Lower	12	-	19	-	-	7	13
CW	Schoolhouse Pond - Upper	13	-	14	-	-	16	14
S	Silver Lake	24	-	26	-	-	109	53
B	Slatersville Reservoir - Upper	21	-	11	9	-	17	15
B	Spring Lake	14	-	20	-	-	20	18
TA	Stafford Pond	30	-	49	-	-	27	35
WD	Tucker Pond	27	-	-	*	-	16	22
B	Wallum Lake	10	-	61	-	-	7	26
PA	Warwick Pond	39	-	10	10	34	23	23
WD	Watchaug Pond	25	-	15	-	-	19	20
WD	Wickaboxet Pond	17	-	20	-	-	82	40
WD	Wincheck Pond	13	-	-	-	-	15	14
WD	Wyassup Lake	14	-	24	-	-	12	17
WD	Yawgoo Pond	31	59	60	142	208	47	91

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