

2004 Parameter Data: Dissolved Phosphorus

**2004 Dissolved Phosphorus Data for Rivers and Tributaries**

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
<b>Code</b>	<b>RIVER &amp; BROOK SITES</b>	<b>-- (ug/l or ppb) --</b>						
CE	Bailey's Brook	ND	-	18	27	-	68	<b>29</b>
NA	Buckeye Brook @ Novelty Rd	ND	11	17	11	-	5	<b>9</b>
NA	Buckeye Brk @ Lockwood Brk	-	21	42	20	-	-	<b>28</b>
NA	Buckeye Brook @ Warner Rd	-	22	26	24	-	27	<b>25</b>
NA	Buckeye Brook @ Mill Cove	ND	10	26	14	-	25	<b>15</b>
WD	Falls River A - Twin Bridges	16	30	12	16	-	14	<b>18</b>
WD	Falls River B - Sand Banks	19	30	9	21	-	14	<b>19</b>
WD	Falls River C - Austin Farm	22	38	15	28	-	19	<b>24</b>
WD	Falls River D - Step Stone	35	121	77	44	-	35	<b>62</b>
WD	Green Falls #1 - Green Falls Rd	-	ND	ND	ND	-	9	<b>4</b>
WD	Green Falls #2 - Putker Rd	-	ND	8	4	-	ND	<b>4</b>
WD	Green Falls #3 - Clark Falls Rd	-	36	ND	7	-	5	<b>13</b>
A	Himes River (NK)	ND	ND	32	5	-	6	<b>9</b>
WD	Locv – Brushy Brook @ Sawmill	ND	ND	9	4	-	ND	<b>4</b>
WD	Locv – Brushy Brook @ Woody	ND	ND	10	4	-	ND	<b>4</b>
WD	Locv – Moscow Brook @ Sawmill	ND	ND	6	ND	-	ND	<b>3</b>
TH	Moosup River A - Fairbanks	35	8	4	6	-	5	<b>12</b>
TH	Moosup River B - Trestle Trail	ND	8	971	4	-	5	<b>198</b>
TH	Moosup River - Upstream	ND	16	15	6	-	4	<b>9</b>
PE	NR 01- Gilbert Stuart	ND	ND	7	ND	-	-	<b>3</b>
PE	NR 02 - Upper Pond 0.5M	11	7	19	13	-	-	<b>13</b>
PE	NR 02 - Upper Pond 3.0M	11	9	20	15	-	-	<b>14</b>
PE	NR 03 - Lower Pond A 0.5M	10	8	18	14	-	-	<b>13</b>
PE	NR 03 - Lower Pond A 3.0M	13	12	21	15	-	-	<b>15</b>
PE	NR 04 - Lower Pond B 0.5M	9	9	19	14	-	-	<b>13</b>
PE	NR 04 - Lower Pond B 3.0M	12	16	21	16	-	-	<b>16</b>
PE	NR 05 - Lacey Bridge	9	10	21	16	-	-	<b>14</b>
PE	NR 06 - Mettatuxet Beach	9	12	23	16	-	-	<b>15</b>
PE	NR 07 - End of Narrows	7	12	28	17	-	-	<b>16</b>
PE	NR 08 - Middlebridge	12	22	35	24	-	-	<b>23</b>
PE	NR 09 - Pettaquamscutt	-	-	88	-	-	-	<b>88</b>
PE	NR 10 - Sprague Bridge	18	38	53	40	-	-	<b>37</b>

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<b>Code</b>	<b>RIVERS (Continued)</b>	<b>-- (ug/l or ppb) --</b>						
PE	NR 11 - Mettatuxet Brook	ND	29	-	-	-	-	16
PE	NR 12 - Mumford Brook	ND	6	15	7	-	-	8
WD	Pawcatuck River - Avondale 0.5M	12	38	22	38	-	39	30
WD	Pawcatuck River - Avondale 3.0M	25	40	49	31	-	-	36
WD	Pawcatuck River - Bradford	21	39	99	24	-	38	44
WD	Queen River @ Brownell's	ND	ND	6	5	-	5	4
WD	Queen River @ Sand Bridge (TNC)	ND	ND	5	-	-	4	3
WD	Queen River @ Locke Brk	ND	ND	5	ND	-	ND	3
WD	Queen River @ Sherman Brk	ND	960	5	5	-	4	195
WD	Shickasheen @ Rte 2	15	61	DRY	76	57	18	45
WD	Shickasheen @ Miskiania Road	48	27	48	31	14	8	29
WD	Shickasheen @ Potter Road	49	22	15	19	-	-	26
WD	Shickasheen @ Barber Pond outlet	13	ND	ND	ND	ND	4	4
WD	Shickasheen @ Rte 138	ND	6	12	4	18	4	8
WD	Shickasheen @ Liberty Lane	-	9	17	10	8	4	10
WD	Shunock River @ Babcock	8	-	23	-	-	5	12
WD	Shunock River @ Hewitt	ND	-	9	-	-	6	6
WO	Woonasquatucket River @ Donigian	54	65	87	101	-	102	82

Watershed	LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
<b>Code</b>	<b>TRIBUTARIES</b>	<b>-- (ug/l or ppb) --</b>						
WD	Asseconk Swamp	13	-	16	-	-	58	29
WD	Barber - Mud Brook	50	ND	12	5	ND	4	13
A	Belleville @ RR Xing	30	-	32	-	-	50	37
A	Belleville @ Sluiceway	20	-	7	-	-	ND	10
PE	Carr Inlet (NK)	ND	-	8	-	-	6	5
WO	Georgiaville @ Capron Pond	ND	-	9	-	-	5	5
WO	Georgeville @ Harris	ND	-	114	-	-	ND	39
GB	Greenwich Bay - 01 (Maskerchugg River)	ND	8	18	7	-	ND	7
GB	Greenwich Bay - 02 (Gorton Pond outflow)	6	10	17	5	-	4	8
GB	Greenwich Bay - 03 (Hardig Brook @ Rte 115)	6	16	17	5	-	4	10
GB	Greenwich Bay - 04 (Mill Creek)	-	26	16	5	-	5	13
GB	Greenwich Bay - 05 (Hardig Brk @ Health Ctr)	15	22	16	ND	-	4	12
GB	Greenwich Bay - 06 (Tuscatucket Brook)	16	13	16	5	-	11	12
GB	Greenwich Bay - 07 (Southern Creek)	-	33	17	4	-	14	17
WD	Pasquissett Tributary	ND	-	-	-	-	9	6
H	Saw Mill Tributary	ND	9	-	-	7	5	6
A	Secret - Oak Hill East	ND	-	11	-	-	9	7
A	Secret - Oak Hill West	ND	-	12	-	-	7	7
A	Secret - Shore Drive	ND	-	6	-	-	ND	3

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<b>Code</b>	<b>TRIBUTARIES - CONTINUED</b>	<b>-- (ug/l or ppb) --</b>						
B	Smith & Sayles @ Keech	ND	-	6	-	-	-	4
B	Smith & Sayles @ Balcom	ND	-	7	-	-	4	4
B	Smith & Sayles @ O'Donnel	ND	-	ND	-	-	-	ND
WO	Slack's Tributary A	17	60	4	138	-	70	58
WO	Slack's Tributary B	ND	33	22	18	-	11	17
WO	Slack's Tributary C	ND	8	29	9	-	11	12
WO	Slack's Tributary D	ND	ND	6	ND	-	15	5
TA	Staf Inlet - Upstream	17	-	DRY	-	-	-	17
TA	Staf Inlet - Downstream	182	-	681	-	-	1042	635
TA	Stafford - NE Cove	ND	-	7	-	-	4	4
WD	Watchaug - Perry Healy	15	-	-	-	-	-	15
WO	Waterman @ Rte 44	ND	-	10	-	-	4	5
WO	Waterman @ Saw Mill	ND	-	9	-	-	ND	4
WO	Waterman @ Golf Course	ND	-	8	-	-	ND	4
WO	Waterman @ Aldrich	ND	-	15	-	-	ND	6
<b>Watershed</b>	<b>LOCATION</b>	<b>MAY</b>	<b>JUNE</b>	<b>JULY</b>	<b>AUG.</b>	<b>SEPT.</b>	<b>OCT.</b>	<b>MEAN</b>
<b>Code</b>	<b>WPWA TRIBUTARIES</b>	<b>-- (ug/l or ppb) --</b>						
WD	Ashaway River @ Rte 216	6	ND	7	-	-	-	5
WD	Ashaway River @ Wellstown Rd.	9	ND	7	-	-	-	6
WD	Asseconk Brook @ Rte 2	-	20	36	19	-	52	32
WD	Chipuxet Brook @ Rte 138	7	22	8	11	-	9	11
WD	Fisherville Brook	6	ND	6	ND	-	ND	4
WD	Glen Rock Brook	6	ND	ND	ND	-	ND	3
WD	Lewis Pond outlet	-	22	23	38	-	11	24
WD	P'tuck River @ Burdickville Rd	26	65	102	37	-	28	52
WD	P'tuck River @ Chase Hill Rd.	20	95	80	42	-	41	56
WD	P'tuck River below Kenyon Ind.	90	86	229	120	-	66	118
WD	P'tuck River @ Rte 91	-	1056	242	82	-	88	367
WD	Queen River @ Mail Rd	7	7	5	18	-	ND	8
WD	Queen River @ Rte 102	ND	ND	36	4	-	ND	9
WD	Shunock River @ Main St	-	19	18	8	-	51	24
WD	Shunock below Parke Pond	14	21	-	11	-	19	16
WD	Taney Brook	21	79	-	263	-	18	95
WD	Tomaquag Brook @ Chase Hill	6	44	26	20	-	9	21
WD	Tomaquag Brook @ Woodville Rd.	-	10	ND	6	-	7	6
WD	Usquepaugh River @ Rte 2	-	ND	5	ND	-	9	5

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