

2000 Parameter Data: Total Phosphorus

**2000 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.

**Mean Trophic Status Key:**

O = Oligotrophic, TSI<40; M = Mesotrophic, TSI 40-50; E = Eutrophic, TSI 50-65  
 (< 12 ppb) (12 ppb - 24 ppb) (> 24 ppb)  
 H = Hypereutrophic, TSI ≥ 65 (67 ppb)

LOCATION	MAY	JUNE	JULY	AUG.	OCT.	MEAN	MEAN TROPHIC	
							TSI	STATUS 1_/
Concentration at 1M -- (ug/l or ppb) --								
ALTON POND	21	-	16	-	11	16	44	M
BARBER POND	12	-	16	-	16	15	43	M
BELLEVILLE POND - LOWER	30	-	23	-	10	21	48	M
BELLEVILLE POND - UPPER	236	-	57	-	16	103	71	E
BOONE LAKE	12	-	7	-	-	10	37	O
BOWDISH RESERVIOR	9	-	4	-	-	7	31	O
CARBUNCLE POND	12	-	24	-	-	18	46	M
CARR POND (NK)	15	-	16	-	-	16	44	M
CARR POND (WG)	6	11	ND	-	5	6	30	O
CLARK POND	17	-	26	-	17	20	47	M
COOMBER'S RESERVOIR	-	-	3	-	4	4	22	O
DEEP POND	17	-	4	-	17	13	41	M
FLAT RIVER RESERVOIR	10	12	16	-	5	11	38	O
GEORGIAVILLE POND	15	-	21	-	10	15	44	M
GORTON POND	54	-	21	-	31	35	56	E
HUNDRED ACRE POND	19	-	24	-	9	17	45	M
INDIAN LAKE	14	-	12	-	11	12	40	O
KEECH POND	15	-	17	-	ND	11	39	O
LARKIN POND	10	-	8	-	-	9	36	O
LITTLE POND	19	-	15	-	12	15	44	M
LOCUSTVILLE POND	12	-	12	-	5	10	37	O
LONG POND	8	-	10	-	3	7	32	O
LOWER SPRAGUE RESERVOIR	23	-	35	-	19	26	51	E
MASHAUG POND	34	-	-	37	37	36	56	E
MEADOWBROOK POND	24	-	39	-	27	30	53	E
MELVILLE POND - UPPER	29	-	43	-	34	35	56	E
MISHNOCK LAKE	11	-	5	-	ND	6	30	O
OAK SWAMP RESERVOIR	13	-	10	-	10	11	39	O
PASCOAG RESERVOIR	11	-	5	-	6	7	33	O
PASQUISETT POND	15	-	19	-	4	13	41	M

2000 Parameter Data: Total Phosphorus

LOCATION	MAY	JUNE	JULY	AUG.	OCT.	MEAN	MEAN TROPHIC		
							TSI	STATUS 1_/	
<b>Concentration at 1M</b>									
	-- (ug/l or ppb) --								
PRINCE'S POND	132	-	53	-	92	<b>92</b>	69	E	
QUEEN RIVER AT USQUEPAUG	11	-	29	-	9	<b>16</b>	44	M	
QUIDNICK RESERVOIR	19	-	12	-	3	<b>11</b>	39	O	
SAND POND	27	-	32	-	-	<b>30</b>	53	E	
SAUGATUCKET POND	15	-	15	-	6	<b>12</b>	40	O	
SCHOOLHOUSE POND - LOWER	8	7	ND	-	ND	<b>5</b>	26	O	
SCHOOLHOUSE POND - UPPER	10	8	11	-	ND	<b>8</b>	33	O	
SECRET LAKE	9	-	13	-	4	<b>9</b>	35	O	
SHIPPEE MILL POND	8	-	18	-	5	<b>10</b>	38	O	
SILVER LAKE	12	-	17	-	10	<b>13</b>	41	M	
SILVER SPRING LAKE	22	-	15	-	11	<b>16</b>	44	M	
SLACK'S RESERVOIR	18	20	10	14	9*	<b>13</b>	41	M	
SLATER POND	56	-	52	-	59	<b>56</b>	62	E	
SLATERSVILLE RES. - UPPER	19	-	25	-	-	<b>22</b>	49	M	
SMITH AND SAYLES RESERVOIR	15	-	8	-	8	<b>10</b>	38	O	
SPALDING POND	24	-	19	-	12	<b>18</b>	46	M	
SPECTACLE POND	70	-	81	-	61	<b>71</b>	66	E	
SPRING GROVE POND	10	-	7	-	10	<b>9</b>	36	O	
SPRING LAKE	11	-	9	-	4	<b>8</b>	34	O	
STAFFORD POND	16	-	18	-	20	<b>18</b>	46	M	
STILLWATER POND	14	-	11	-	-	<b>13</b>	41	M	
TARBOX POND	13	-	17	-	8	<b>13</b>	41	M	
TIOGUE LAKE	10	-	14	-	8	<b>11</b>	38	O	
TIPPECANSETT POND	22	-	10	-	-	<b>16</b>	44	M	
TUCKER POND	25	-	22	-	ND	<b>16</b>	44	M	
TURNER RESERVIOR	116	-	166	-	100	<b>127</b>	74	E	
UPPER DAM POND	81	-	-	-	-	-			
VALLEY FALLS POND	367	-	390	-	218	<b>325</b>	88	E	
WARWICK POND	38	-	27	-	23	<b>29</b>	53	E	
WASH POND	12	-	-	-	-	<b>12</b>	40	O	
WATCHAUG POND	19	-	17	-	14	<b>17</b>	45	M	
WATERMAN RESERVOIR	15	-	9	-	7	<b>10</b>	38	O	
WENSCOTT RESERVIOR	11	-	23	-	7	<b>14</b>	42	M	
WESQUAGE POND	39	-	-	-	39	<b>39</b>	57	E	
WHITE POND	5	-	16	-	-	<b>11</b>	38	O	
WOONASQUATUCKET RESERV(C	13	-	11	-	7	<b>10</b>	38	O	
WOONASUA RES. SOUTH END	16	-	15	-	10	<b>14</b>	42	M	
WORDEN POND	23	-	26	-	13	<b>21</b>	48	M	
WYASSUP LAKE	12	-	26	-	7	<b>15</b>	43	M	
WYOMING POND	13	-	15	-	7	<b>12</b>	40	O	
YAWGOO POND	19	27	17	-	23	<b>22</b>	48	M	

ND = No Detect      Limit of Detection = 3 ppb

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