

2002 Parameter Data: Dissolved Phosphorus

**2002 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.	OCT	MEAN
<b>Concentration at 1M</b>						
<b>-- (mg/l or ppm) --</b>						
ALMY POND (NEWPORT)	-	19	12	-	-	<b>16</b>
ALTON POND	ND	-	6	-	6	<b>5</b>
BARBER POND	ND	-	19	-	4	<b>8</b>
BELLEVILLE POND - LOWER	ND	-	14	-	20	<b>12</b>
BELLEVILLE POND - UPPER	8	-	-	-	-	<b>-</b>
BLACKAMORE POND	ND	-	11	-	-	<b>6</b>
BOONE LAKE	ND	-	-	-	-	<b>-</b>
BOWDISH RESERVOIR	ND	-	10	-	ND	<b>4</b>
BREAKHEART POND	-	5	9	-	ND	<b>5</b>
CARBUNCLE POND	-	-	11	-	-	<b>11</b>
CARR POND (NK)	5	-	13	-	5	<b>8</b>
CARR POND (WG)	ND	-	7	-	ND	<b>3</b>
CHAPMAN POND	ND	-	7	-	5	<b>5</b>
COOMBER'S RESERVOIR	ND	-	6	-	4	<b>4</b>
DEEP POND	ND	-	11	-	5	<b>6</b>
ECHO LAKE - BARRINGTON	ND	-	8	-	6	<b>5</b>
FLAT RIVER RESERVOIR	ND	-	ND	-	ND	<b>ND</b>
GEORGIAVILLE POND	ND	-	ND	-	ND	<b>ND</b>
HAWKINS POND	ND	-	23	-	ND	<b>9</b>
HUNDRED ACRE POND	ND	-	ND	-	-	<b>ND</b>
INDIAN LAKE	ND	-	ND	-	ND	<b>ND</b>
JILLSON RESERVOIR (ALMY POND)	ND	-	ND	-	ND	<b>ND</b>
KEECH POND	ND	-	6	-	ND	<b>3</b>
LAKE WASHINGTON	-	-	10	-	ND	<b>6</b>
LAKE WILLIAM	-	3	6	-	5	<b>5</b>
LITTLE POND	ND	-	6	-	5	<b>4</b>
LOCUSTVILLE POND	-	-	7	-	ND	<b>4</b>
LONG POND (HOPKINTON)	ND	-	ND	-	ND	<b>ND</b>
LONG POND (SK)	5	-	-	-	9	<b>7</b>
LOWER SPRAGUE RESERVOIR	ND	-	7	-	6	<b>5</b>
MASHAUG POND	ND	-	7	-	6	<b>5</b>
MEADOWBROOK POND	ND	-	5	-	5	<b>4</b>
MELVILLE POND - UPPER	-	-	7	-	6	<b>7</b>
MISHNOCK LAKE	ND	-	9	-	-	<b>5</b>
NANAQUAKET POND	15	-	72	-	95	<b>61</b>

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<b>Concentration at 1M</b>						
<b>-- (mg/l or ppm) --</b>						
OAK SWAMP RESERVOIR	ND	-	ND	-	-	4
PASCOAG RESERVOIR	ND	-	ND	-	-	ND
PASQUISETT POND	ND	-	13	-	-	11
PRINCE'S POND	9	-	9	-	-	113
QUEEN - USQ. (GLEN ROCK)	ND	-	13	-	-	7
RANDALL POND	ND	-	10	-	-	6
ROGER WM PARK POND	ND	-	15	-	-	5
SAND POND	ND	-	12	-	-	8
SAUGATUCKET POND	ND	-	8	-	-	6
SCHOOLHOUSE P - LOWER	ND	-	10	-	-	6
SCHOOLHOUSE P - UPPER	ND	-	7	-	-	4
SECRET LAKE	ND	-	ND	-	-	4
SILVER LAKE	ND	-	ND	-	-	79
SILVER SPRING LAKE	ND	-	11	-	-	6
SLACK'S RESERVOIR	ND	3	11	ND	ND	5
SLATER POND	ND	-	13	-	-	5
SLATERSVILLE RES. - UPPER	6	-	7	ND	-	ND
SMITH & SAYLES RESERVOIR	ND	-	ND	ND	-	-
SPALDING POND	ND	-	8	-	-	ND
SPECTACLE POND	-	-	10	-	-	16
SPRING GROVE POND	ND	-	ND	-	-	5
SPRING LAKE	ND	-	6	-	-	4
STAFFORD POND	ND	-	8	-	-	6
STILLWATER POND	-	-	ND	-	-	9
TARBOX POND	3	-	9	-	-	7
TARKILN POND	ND	-	-	-	-	-
TIOGUE LAKE	ND	-	4	-	-	4
TUCKER POND	ND	-	ND	-	-	ND
TURNER RESERVIOR (LOWER)	28	-	64	-	-	69
VALLEY FALLS POND	38	-	190	-	-	147
WALLUM LAKE	ND	-	ND	-	-	ND
WARWICK POND	ND	-	6	-	-	5
WATCHAUG POND	ND	-	5	-	-	5
WATERMAN RESERVOIR	ND	-	5	-	-	ND
WENSCHOTT RESERVOIR	ND	-	6	-	-	5
WESQUAGE POND	-	-	-	ND	-	5
WHITE POND	ND	-	-	-	-	5
WILSON RESERVOIR	ND	-	7	-	-	4
WOONASQUATUCKET RES. STUMP	ND	-	6	-	-	ND
WYASSUP LAKE	ND	-	8	-	-	ND
WYOMING POND	-	5	-	-	-	-
YAWGOO POND	9	4	9	-	-	5

ND = No Detect; Limit of Detection = 3 ppb; Mean calculated using half the limit of detection (1.5 ppb) for ND