

2002 Parameter Data: Dissolved Phosphorus

2002 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.

Section 1. Rivers; Listed alphabetically, upstream to downstream.

LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
----- (ug/l or ppb) -----							
CHEPACHET RIVER	ND	-	6	15	-	13	9
FALLS RIVER D	6	21	9	10	5	11	10
FALLS RIVER C	9	23	7	8	5	12	11
FALLS RIVER B	11	32	48	10	8	10	20
FALLS RIVER A	9	52	-	38	24	16	28
GREEN FALLS RIVER #1	ND	6	10	10	9	9	8
GREEN FALLS RIVER #2	ND	6	11	7	5	10	7
GREEN FALLS RIVER #3	ND	15	15	9	ND	10	9
LOCSTV.- MOSCOW @ SAWMILL	2	5	8	7	ND	12	6
LOCSTV.- BRUSHY @ WOODY HI	3	5	10	8	ND	9	6
LOCSTV.- BRUSHY @ SAWMILL	3	6	9	ND	ND	8	5
MEADOW BROOK #1	-	10	18	-	ND	9	10
MEADOW BROOK #2	-	10	12	-	ND	6	7
MEADOW BROOK #3	-	9	13	-	-	7	10
MOOSUP RIVER UPSTREAM	ND	-	17	6	6	7	8
MOOSUP RIVER A	ND	8	12	7	8	9	8
MOOSUP RIVER B	ND	8	7	6	6	8	6
NARROW RIVER-01	7	5	11	6	5	-	7
NARROW RIVER-02 0.5M	-	-	13	8	12	-	11
NARROW RIVER-02 3.0M	-	-	12	11	23	-	15
NARROW RIVER-03 0.5M	4	8	12	15	12	-	10
NARROW RIVER-03 3.0M	4	9	13	12	13	-	10
NARROW RIVER-04 0.5M	8	9	16	11	13	-	11
NARROW RIVER-04 3.0M	7	9	15	-	14	-	11
NARROW RIVER-05	12	9	8	16	13	-	12
NARROW RIVER-06	5	8	10	13	21	-	11
NARROW RIVER-07	7	8	23	17	13	-	14
NARROW RIVER-08	9	10	28	27	23	-	19
NARROW RIVER-09	9	22	38	44	-	-	28
NARROW RIVER-10	6	23	44	46	45	-	33
NARROW RIVER-11	13	13	13	13	16	-	14
NARROW RIVER-12	5	16	22	11	61	-	23
PAWCATUCK RIVER @ BRADFOF	15	-	56	-	-	-	36
PAWCATUCK RIVER @ AVONDAI	7	-	137	-	-	44	63

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	----- (ug/l or ppb) -----						
QUEEN RIVER (SHERMAN BRK)	ND	4	7	5	ND	7	4
QUEEN RIVER (BROWNELL'S)	ND	5	-	6	ND	9	5
QUEEN RIVER (SAND BRIDGE)	ND	6	10	6	5	8	6
QUEEN RIVER (DUGWAY BRIDGE)	-	6	-	-	-	-	6
QUEEN RIVER (LOCKE BROOK)	ND	5	8	7	ND	8	5
SHUNOCK RIVER @ BABCOCK	ND	-	10	-	-	11	8
SHUNOCK RIVER @ HEWITT	ND	-	11	-	-	12	8

Section 2. Tributaries; Alphabetically by lake, upstream to downstream as appropriate.

LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
	----- (ug/l or ppb) -----						
ASSECONK SWAMP	ND	-	9.0	-	-	10.0	6.8
BARBER - MUD BROOK	7.0	5.0	-	-	-	10.0	7.3
BELLEVILLE @ RR XING	22.0	-	55.0	-	-	71.0	49.3
BELLEVILLE @ SLUICEWAY	ND	-	6.0	-	-	10.0	5.8
BOONE TRIBUTARY #1	ND	-	-	-	-	-	-
CARR INLET (NK)	9.0	-	16.0	-	-	8.0	13.0
GEORGIAVILLE @ CAPRON PON	-	-	6.0	-	-	-	-
GEORGIAVILLE @ HARRIS	-	-	4.0	-	-	-	-
PASQUISETT TRIBUTARY	4.0	-	12.0	-	-	14.0	10.0
SECRET - OAK HILL EAST	7.0	-	-	-	-	6.0	6.5
SECRET - OAK HILL WEST	5.0	-	-	-	-	7.0	6.0
SECRET - SHORE DR.	6.0	-	-	-	-	9.0	7.5
SHICKASHEEN - A @ RTE 2	7.0	21.0	6.0	-	-	-	11.3
SHICKASHEEN - B @ MISKIANIA	97.0	352.0	35.0	-	-	28.0	128.0
SHICKASHEEN - C @ BARBER OI	3.0	5.0	8.0	-	-	-	5.3
SHICKASHEEN - D @ RTE 138	12.0	7.0	8.0	-	-	-	9.0
SLACK'S TRIBUTARY #1 (A)	13.0	35.0	6.0	ND	4.0	8.0	11.3
SLACK'S TRIBUTARY #2 (B)	6.0	21.0	35.0	7.0	ND	8.0	13.1
SLACK'S TRIBUTARY #3 (C)	5.0	13.0	8.0	ND	ND	9.0	6.3
SLACK'S TRIBUTARY #4 (D)	4.0	7.0	8.0	ND	ND	10.0	5.3
SMITH & SAYLES @ KEECH	3.0	-	4.0	6.0	-	-	4.3
SMITH & SAYLES @ BALCOM	2.0	-	9.0	ND	-	-	4.2
SMITH & SAYLES @ O'DONNELL	5.0	-	ND	ND	-	-	2.7
STAFFORD INLET - UPSTREAM	25.0	-	-	-	-	-	-
STAFFORD INLET - DOWNSTREAM	183.0	-	729.0	-	-	130.0	347.3
STAFFORD NE COVE	-	-	11.0	-	-	9.0	10.0
WATCHAUG - PERRY HEALY BRK	-	-	4.0	-	-	8.0	6.0

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