

2003 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	7	-	ND	29	ND	ND	8
FALLS RIVER D	15	-	47	45	41	47	39
FALLS RIVER C	12	-	11	56	35	32	29
FALLS RIVER B	11	-	6	42	31	29	24
FALLS RIVER A	9	-	13	33	25	29	22
GREEN FALLS RIVER #1	6	14	ND	8	ND	-	6
GREEN FALLS RIVER #2	6	-	ND	8	ND	-	4
GREEN FALLS RIVER #3	10	-	ND	22	ND	-	9
LOCSTV.- MOSCOW @ SAWMILL	6	-	ND	5	ND	ND	3
LOCSTV.- BRUSHY @ WOODY HILL	ND	-	ND	6	ND	ND	ND
LOCSTV.- BRUSHY @ SAWMILL	ND	-	ND	ND	ND	ND	ND
MOOSUP RIVER UPSTREAM	8	-	ND	5	ND	19	7
MOOSUP RIVER A	6	-	ND	11	ND	18	8
MOOSUP RIVER B	6	-	ND	9	ND	16	7
NARROW RIVER-01	8	-	18	6	ND	-	8
NARROW RIVER-02 0.5M	-	-	17	-	13	-	15
NARROW RIVER-02 3.0M	-	-	16	-	16	-	16
NARROW RIVER-03 0.5M	10	-	14	-	21	-	15
NARROW RIVER-03 3.0M	177	-	13	-	24	-	71
NARROW RIVER-04 0.5M	9	-	12	8	26	-	14
NARROW RIVER-04 3.0M	-	-	15	10	17	-	14
NARROW RIVER-05	11	-	13	9	17	-	13
NARROW RIVER-06	8	-	11	8	15	-	11
NARROW RIVER-07	4	-	10	8	14	-	9
NARROW RIVER-08	7	-	13	16	39	-	19
NARROW RIVER-09	11	-	26	48	68	-	38
NARROW RIVER-10	12	-	13	30	33	-	22
NARROW RIVER-11	ND	-	10	11	ND	-	6
NARROW RIVER-12	11	-	11	17	ND	16	11
PAWCATUCK RIVER @ BRADFORD	ND	-	37	40	33	78	38
P'TUCK RIVER @ AVONDALE 1M	11	-	40	42	-	-	31
P'TUCK RIVER @ AVONDALE 3M	-	-	42	33	-	-	38
QUEEN RIVER (SHERMAN BRK)	ND	-	ND	ND	ND	ND	ND
QUEEN RIVER (BROWNELL'S)	ND	-	ND	-	-	-	ND

2003 Parameter Data: Dissolved Phosphorus

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

LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
----- (ug/l or ppb) -----							
QUEEN RIVER (SAND BRIDGE)	ND	-	ND	9	ND	ND	3
QUEEN RIVER (LOCKE BROOK)	ND	-	ND	5	ND	ND	2
SHUNOCK RIVER @ BABCOCK	ND	-	ND	-	-	22	8
SHUNOCK RIVER @ HEWITT	ND	-	ND	-	-	17	7
WOONASQ RIV @ DANIGIAN PARK	81	-	137	84	93	84	96

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	6	-	17	-	-	-	12
BARBER - MUD BROOK	ND	41	-	ND	-	ND	11
BELLEVILLE @ RR XING	29	-	31	-	-	17	26
BELLEVILLE @ SLUICEWAY	6	-	ND	-	-	ND	3
BOONE TRIBUTARY #1	-	-	-	-	-	-	-
CARR INLET (NK)	-	-	ND	-	-	ND	ND
FRR @ ZEKE'S BRIDGE	-	-	ND	-	-	-	-
FRR @ ISLE OF CAPRI RD.	-	-	ND	-	-	-	-
FRR @ MAPEL VALLEY RD.	-	-	ND	-	-	-	-
GEORGIAVILLE @ CAPRON POND	-	-	ND	-	-	ND	ND
GEORGIAVILLE @ HARRIS	-	-	ND	-	-	ND	ND
PASQUISETT TRIBUTARY	-	-	ND	-	-	ND	ND
SAWMILL POND TRIBUTARY	-	11	ND	-	15	-	9
SECRET - OAK HILL EAST	ND	-	ND	-	-	ND	ND
SECRET - OAK HILL WEST	ND	-	ND	-	-	ND	ND
SECRET - SHORE DR.	ND	-	55	-	-	ND	19
SHICKASHEEN - A @ RTE 2	ND	12	ND	39	-	39	19
SHICKASHEEN - B @ MISKIANIA	18	40	-	44	-	29	33
SHICKASHEEN - C @ BARBER OUTLE	7	10	ND	ND	-	13	7
SHICKASHEEN - D @ RTE 138	-	-	ND	ND	-	ND	ND
SLACK'S TRIBUTARY #1 (A)	-	-	-	-	-	ND	-
SLACK'S TRIBUTARY #2 (B)	-	-	-	-	-	ND	-
SLACK'S TRIBUTARY #3 (C)	-	-	-	-	-	ND	-
SLACK'S TRIBUTARY #4 (D)	19	-	144	69	ND	28	52
SMITH & SAYLES @ KEECH	ND	-	ND	14	15	11	9
SMITH & SAYLES @ BALCOM	6	-	ND	ND	18	15	8
SMITH & SAYLES @ O'DONNELL	ND	-	ND	ND	56	ND	12
STAFFORD INLET - DOWNSTREAM	-	-	1456	-	-	358	907
STAFFORD NE COVE	-	-	ND	-	-	ND	ND
WATCHAUG - PERRY HEALY BRK	-	-	-	-	-	ND	2
WATERMAN - RTE 44	6	-	-	-	-	ND	4
WATERMAN - SAWMILL	6	-	-	-	-	ND	4

ND = No Detect Limit of Detection = 3 ppb

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