

2002 Parameter Data: Chlorophyll

2002 Chlorophyll Data for Lakes, Ponds, and Reservoirs

Chlorophyll is a pigment found in algae. By measuring the concentration of chlorophyll, we get direct information on the amount of algae in a water body. This can provide us an idea of the degree of nutrient enrichment (trophic status) of a water body. URI Watershed Watch classifies lake trophic status based on chlorophyll by the median, or middle value, for the monitoring season.

1_ / O = Oligotrophic, TSI < 40 (> 2.6 ug/L); M = Mesotrophic, TSI 40-50 (2.6 - 7.2 ug/L);

E = Eutrophic, TSI > 50-65 (7.3 - 35 ug/L); H = Hypereutrophic, TSI > 65 (> 35 ug/L).

φ = As a river site, chlorophyll may not reflect trophic status

LOCATION	# DATES	SEASON			MEDIAN TROPIC		
	SAMPLED	MIN	MAX	MEAN	MEDIAN	TSI	STATUS 1_ /
Concentration at 1M	--(ug/l or ppb) at 1 meter--						
ALMY POND	6	34.7	155.3	94.0	86.6	74	H
ALTON POND	13	0.9	5.1	2.7	2.9	41	M
BARBER POND	17	2.0	20.0	10.0	9.5	53	E
BELLEVILLE POND - LOWER	21	2.0	149.5	25.4	12.0	55	E
BELLEVILLE POND - UPPER	2	1.0	5.8	3.4	3.4	43	M
BLACKAMORE POND	5	2.9	6.1	3.9	3.3	42	M
BOONE LAKE	1	0.7	0.7	0.7	0.7	27	O
BOWDISH RESERVIOR	14	0.2	2.4	0.9	0.8	29	O
BREAKHEART POND	4	0.7	1.6	1.3	1.4	34	O
CARBUNCLE POND	6	0.5	2.1	1.2	1.2	32	O
CARR (NK) POND	12	1.6	9.8	4.3	4.1	44	M
CARR (WG) POND	17	0.1	1.9	0.8	0.6	26	O
CHAPMAN POND	15	0.7	7.5	2.6	2.1	38	O
COOMBER'S RESERVOIR	10	1.1	2.2	1.6	1.5	34	O
DEEP POND	6	0.8	2.9	1.5	1.1	32	O
ECHO LAKE	9	2.8	31.4	12.1	9.3	52	E
FLAT RIVER RESERVOIR	13	0.9	2.9	1.7	1.6	35	O
GEORGIAVILLE POND	12	0.7	4.5	1.9	1.6	35	O
HAWKINS POND	14	1.7	10.4	4.3	3.5	43	M
HUNDRED ACRE POND	12	2.8	21.1	10.6	11.7	55	E
INDIAN LAKE	13	1.5	4.8	2.7	2.8	41	M
JILLSON RESERVOIR (Almy)	14	1.3	7.0	3.1	1.7	36	O
KEECH POND	13	1.0	4.1	2.1	2.1	38	O
LITTLE POND	13	1.8	49.8	12.3	4.2	45	M
LAKE WASHINGTON	13	1.1	146.4	42.1	22.2	61	E
LAKE WILLIAM	12	0.9	6.6	4.4	4.9	46	M
LOCUSTVILLE POND	8	4.0	19.3	11.4	10.1	53	E
LONG (SK) POND	12	0.4	2.5	1.0	0.8	28	O
LONG (HOPK) POND	13	2.0	12.9	4.8	3.8	44	M
LOWER SPRAGUE RESERVOIR	5	1.8	13.6	7.0	3.9	44	M
MASHAUG POND	10	24.8	65.3	39.9	37.5	66	H
MEADOWBROOK POND	13	2.1	26.4	7.5	6.0	48	M
MELVILLE POND - UPPER	13	5.6	92.8	22.8	13.2	56	E
MISHNOCK LAKE	5	1.1	8.5	3.2	2.5	39	O

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	SAMPLED	MIN	MAX	MEAN	MEDIAN	TSI	STATUS 1_/
Concentration at 1M	--(ug/l or ppb) at 1 meter--						
NANAQUAKET POND	12	1.5	22.9	10.1	9.0	52	E
OAK SWAMP RESERVOIR	12	0.3	2.6	1.0	0.7	27	O
PASCOAG RESERVOIR	13	0.4	8.1	2.5	2.3	39	O
PASQUISETT POND	10	1.0	3.8	2.0	2.1	38	O
PATUCK RIVER @ BRADFORD	3	7.2	26.9	13.8	7.3	50	φ
PRINCE'S POND	11	12.4	118.5	42.2	23.3	61	E
QUEEN RIVER AT USQUEPAUGH	13	0.6	2.2	1.0	0.9	29	O
RANDALL POND	20	1.2	23.1	7.7	5.5	47	M
ROGER WMS PARK POND	7	6.4	73.6	46.0	48.1	69	E
SAND POND	22	1.4	119.0	20.8	4.0	44	M
SAUGATUCKET POND	12	0.5	31.4	6.8	4.1	44	M
SCHOOLHOUSE POND-LOWER	8	0.4	1.8	1.0	0.8	28	O
SCHOOLHOUSE POND-UPPER	6	0.5	2.3	1.3	1.2	32	O
SECRET LAKE	12	1.1	17.3	3.9	2.3	39	O
SILVER LAKE	11	1.5	6.0	3.4	3.8	44	M
SILVER SPRING LAKE	11	2.7	46.9	17.4	15.3	57	E
SLACK'S RESERVOIR	13	1.4	6.1	3.2	2.7	40	O
SLATER POND	15	3.6	85.4	29.0	27.6	63	E
SLATERSVILLE RES. (UPPER)	14	1.0	4.7	2.4	2.2	38	O
SMITH & SAYLES RESERVOIR	9	1.2	4.1	2.4	2.3	39	O
SPALDING POND	11	1.1	16.4	7.7	8.9	52	E
SPECTACLE POND	21	12.7	57.3	34.6	30.8	64	E
SPRING GROVE POND	13	1.2	4.4	3.0	3.2	42	M
SPRING LAKE	25	0.8	11.2	2.9	2.1	38	O
STAFFORD POND	13	3.0	34.6	14.2	14.6	57	E
STILLWATER POND	6	2.1	8.9	3.8	3.0	41	M
TARBOX POND	13	0.7	68.8	17.6	6.6	49	M
TIOGUE LAKE	10	0.3	6.0	1.3	0.8	28	O
TUCKER POND	13	1.2	6.5	3.7	3.9	44	M
TURNER RESERVOIR	13	1.9	50.2	18.1	12.4	55	E
VALLEY FALLS POND	13	4.2	73.4	21.2	16.2	58	E
WALLUM LAKE	13	0.3	3.6	1.2	0.9	29	O
WARWICK POND	14	5.8	95.4	30.7	23.2	61	E
WATCHAUG POND	13	1.5	7.9	3.3	2.3	39	O
WATERMAN LAKE	25	2.9	8.4	4.3	4.1	44	M
WENSCOTT RESERVOIR	14	0.9	13.9	4.0	2.5	40	O
WESQUAGE POND	9	3.1	16.4	9.2	7.9	51	E
WHITE POND	2	0.5	0.6	0.6	0.6	25	O
WILSON RESERVOIR	11	1.2	4.6	2.0	1.4	34	O
WOONASQUATUCKET RES	13	1.2	8.3	3.4	2.5	40	O
WYASSUP LAKE	12	1.1	14.6	4.5	3.0	41	M
YAWGOO POND	16	1.5	23.6	7.9	4.2	45	M