

2003 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).

LOCATION	# DATES		SEASON			TSI	MEDIAN TROPIC STATUS 1_/
	SAMPLED	MIN	MAX	MEAN	MEDIAN		
Concentration at 1M	--(ug/l or ppb) at 1 meter--						
ALMY POND	12	64.8	161.9	103.1	100.2	76	H
ALTON POND	13	1.5	4.5	2.5	2.3	39	O
ASHVILLE POND	6	0.4	1.3	0.7	0.7	26	O
BARBER POND	14	7.5	53.5	29.6	27.3	63	E
BELLEVILLE POND - LOWER	21	1.6	26.8	8.7	6.1	48	M
BOONE LAKE	5	1.8	4.0	2.6	2.3	39	O
BOWDISH RESERVIOR	8	1.7	37.7	6.8	2.4	39	O
BREAKHEART POND	17	1.3	10.4	3.8	2.9	41	M
BROWNING MILL POND	10	1.3	4.2	2.2	1.9	37	O
CARBUNCLE POND	16	2.5	29.6	10.2	7.4	50	M
CARR (NK) POND	12	1.2	13.5	7.3	8.4	51	E
CARR (WG) POND	12	0.3	3.3	1.1	0.7	27	O
CHAPMAN POND	13	1.8	14.1	4.5	2.9	41	M
COOMBER'S RESERVOIR	4	0.5	3.4	1.8	1.7	36	O
DEEP POND	2	2.2	3.8	3.0	3.0	41	M
FLAT RIVER RESERVOIR	13	1.1	3.9	2.3	2.1	38	O
GEORGIAVILLE POND	13	2.3	8.8	4.0	3.6	43	M
HAWKINS POND	13	2.1	9.4	5.7	5.8	48	M
HUNDRED ACRE POND	8	4.1	44.2	18.7	16.7	58	E
INDIAN LAKE	12	1.0	6.0	2.7	2.3	39	O
KEECH POND	15	0.8	4.5	2.8	2.9	41	M
LITTLE POND	13	2.5	33.8	9.5	6.3	49	M
LOCUSTVILLE POND	11	4.0	39.1	9.8	6.0	48	M
LONG (SK) POND	11	0.1	3.0	1.1	1.2	32	O
LONG (HOPK) POND	13	2.1	11.5	4.6	3.4	43	M
LOWER SPRAGUE RESERVOIR	3	3.2	21.1	9.6	4.6	46	M
MASHAUG POND	7	9.4	43.6	25.6	26.9	63	H
MEADOWBROOK POND	16	0.2	9.1	3.5	2.5	40	O
MELVILLE POND - UPPER	13	5.1	29.7	13.2	11.9	55	E
NANAQUAKET POND	8	1.9	14.3	8.1	8.2	51	E
OAK SWAMP RESERVOIR	11	0.0	3.2	1.2	1.1	32	O
PASCOAG RESERVOIR	15	0.5	3.6	1.8	1.7	36	O
PASQUSETT POND	13	0.7	5.3	2.1	1.7	36	O
PATUCK RIVER @ AVONDALE	13	1.3	18.5	8.2	8.8	52	f

2003 Parameter Data: Chlorophyll

LOCATION	# DATES		SEASON			TSI	MEDIAN TROPHIC STATUS 1_/	
	SAMPLED	MIN	MAX	MEAN	MEDIAN			
Concentration at 1M	--(ug/l or ppb) at 1 meter--							
PA'TUCK RIVER @ BRADFORD	6	0.7	3.8	1.5	1.2	32	f	
PRINCE'S POND	10	10.6	44.8	25.8	22.6	61	E	
QUEEN RIVER AT USQUEPAUGH	13	0.6	2.7	1.2	1.0	31	O	
RANDALL POND	18	0.9	24.8	7.2	3.5	43	M	
ROGER WMS PARK POND	6	11.8	100.7	54.1	57.3	70	E	
SAND POND	20	2.4	10.5	5.1	5.0	46	M	
SAUGATUCKET POND	12	0.7	7.5	3.2	2.8	41	M	
SCHOOLHOUSE POND-LOWER	1	1.5	1.5	1.5	1.5	34	O	
SCHOOLHOUSE POND-UPPER	2	1.2	2.0	1.6	1.6	35	O	
SECRET LAKE	12	1.7	9.3	3.7	2.8	41	M	
SILVER LAKE	10	1.8	8.2	4.6	3.6	43	M	
SILVER SPRING LAKE	11	1.9	51.1	13.7	7.9	51	E	
SLACK'S RESERVOIR	15	2.2	13.4	7.8	8.5	52	E	
SLATER POND	20	5.0	140.1	26.9	18.8	59	E	
SLATERSVILLE RES. (UPPER)	13	1.4	15.3	7.2	7.2	50	M	
SMITH & SAYLES RESERVOIR	5	1.2	2.8	2.1	2.1	38	O	
SPALDING POND	11	1.7	11.6	4.7	3.5	43	M	
SPECTACLE POND	15	14.9	136.8	45.7	37.5	66	E	
SPRING GROVE POND	14	1.6	99.9	13.4	3.5	43	M	
SPRING LAKE	15	0.4	7.9	3.7	3.4	43	M	
STAFFORD POND	13	1.9	89.4	15.6	9.6	53	E	
STILLWATER POND	11	3.1	10.5	7.1	6.9	50	M	
TARBOX POND	7	2.5	22.0	6.7	3.6	43	M	
TIOGUE LAKE	16	0.5	8.5	2.2	1.9	37	O	
TUCKER POND	17	4.0	35.2	15.5	13.4	56	E	
TURNER RESERVOIR	16	3.0	55.4	23.8	22.3	61	E	
VALLEY FALLS POND	13	5.4	60.1	26.3	23.0	61	E	
WALLUM LAKE	9	1.0	2.1	1.8	2.0	37	O	
WARWICK POND	14	7.5	152.5	44.5	28.7	63	E	
WATCHAUG POND	12	1.1	7.1	4.3	5.0	46	M	
WATERMAN LAKE	20	2.0	9.7	5.2	4.7	46	M	
WENSCOTT RESERVOIR	10	0.7	8.0	3.4	2.4	39	O	
WESQUAGE POND	18	5.2	31.9	18.3	15.6	58	E	
WHITE POND	9	0.1	1.8	0.6	0.4	20	O	
WILSON RESERVOIR	12	1.7	7.1	3.4	2.9	41	M	
WINCHECK POND	7	0.5	1.4	1.0	1.1	32	O	
WOONASQUATUCKET RES	13	2.1	10.9	5.8	6.5	49	M	
WYASSUP LAKE	12	2.9	16.2	5.5	4.7	46	M	
WYOMING POND	5	1.0	18.7	4.8	1.3	33	O	
YAWGOO POND	18	1.6	122.4	34.4	13.9	56	E	