

2007. Chlorophyll Data Summary, Lakes and Ponds Listed alphabetically

Algae play a vital role in all aquatic ecosystems - providing the food and energy base for all organisms living in lakes, ponds, and streams. However, unnatural or excessive growth of algae (nuisance algal blooms) may interfere with our enjoyment of aquatic resources and may even be harmful. Algal blooms can lead to reduced or even the absence of dissolved oxygen in the water, affecting the aquatic species in the water and changing the water chemistry. In rare cases some species can release toxins that can sicken or even kill animals and people who swallow them. Because of their importance to aquatic ecosystems and susceptibility to changes in the environment, algal measurements are a key component in our slower water systems, particularly in lakes, ponds, tidal rivers and estuaries.

Watershed	LOCATION	# DATES	SEASON			TSI	MEDIAN TROPHIC	
		SAMPLED	MIN	MAX	MEAN		MEDIAN	STATUS 1/
Code	Concentration at 1M	--(ug/l or ppb) at 1 meter--						
WD	ALTON POND	13	0.7	3.6	1.7	1.1	31	O
S	ASA POND	21	1.2	13.5	5.6	5.3	47	M
WD	BARBER POND	2	5.2	8.7	6.9	6.9	50	M
A	BELLEVILLE POND - LOWER	20	1.3	13.0	5.9	5.2	47	M
A	BELLEVILLE POND - UPPER	9	2.7	651.0	103.3	20.4	60	E
TH	BILLINGS LAKE (CT)	3	1.0	4.3	2.6	2.3	39	O
WD	BLACKAMORE POND	14	1.9	115.7	25.1	13.2	56	E
TH	BLUE LAKE (CT)	15	2.7	160.2	22.5	8.9	52	E
WD	BOONE LAKE	10	1.5	6.3	3.0	2.6	40	O
TH	BOWDISH RESERVIOR	9	0.9	3.7	1.8	1.5	35	O
WD	BREAKHEART POND	12	0.0	7.5	2.9	2.6	40	O
TH	CARBUNCLE POND	15	1.3	4.5	2.8	2.7	40	O
PE	CARR (NK) POND	7	0.1	18.7	5.8	5.7	48	M
PA	CARR (WG) POND	11	0.1	3.0	1.1	0.7	27	O
R	CENTRAL P (Turner Reservoir)	10	1.4	66.3	23.8	27.3	63	E
WD	CHAPMAN POND	13	2.3	17.3	6.5	4.7	46	M
CW	DEEP POND	5	0.6	3.7	1.7	0.9	30	O
WD	EISENHOWER LAKE	9	2.7	8.9	4.5	3.8	44	M
PA	FLAT RIVER RESERVOIR	13	1.5	5.5	3.0	2.9	41	M
WO	GEORGIAVILLE POND	9	2.1	5.8	3.2	2.8	41	M
NA	GORTON POND	20	5.7	32.2	13.0	9.7	53	E
B	HANDY POND	12	3.1	20.6	10.2	9.5	53	E
WO	HAWKINS POND	8	1.0	2.4	1.7	1.6	35	O
WD	HUNDRED ACRE POND	10	4.0	34.9	11.5	8.8	52	E
S	INDIAN LAKE	11	1.6	5.6	3.5	3.7	43	M
B	KEECH POND	14	1.2	6.8	3.2	2.6	40	O
WD	LARKIN POND	4	7.7	15.9	11.0	10.1	53	E
CE	LILY POND	2	3.8	23.4	13.6	13.6	*	*
NA	LITTLE POND	13	1.5	11.1	4.4	3.4	43	M
WD	LOCUSTVILLE POND	14	0.9	12.4	5.5	5.3	47	M
S	LONG (SK) POND	14	0.7	5.7	2.8	2.2	38	O
WD	MEADOWBROOK POND	14	0.9	19.1	6.5	5.9	48	M
NA	MELVILLE POND - UPPER	9	3.6	88.4	41.0	29.4	64	H
PA	MISHNOCK LAKE	14	0.9	3.7	1.7	1.3	33	O
PA	MISHNOCK LAKE - LITTLE	8	0.7	4.6	1.9	1.4	34	O

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

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Watershed LOCATION	# DATES SAMPLED	SEASON		MEDIAN TROPIC				
		MIN	MAX	MEAN	MEDIAN	TSI	STATUS 1/	
<b>Code</b>	<b>Concentration at 1M</b>	<b>--(ug/l or ppb) at 1 meter--</b>						
E = Eutrophic, TSI >50-65 (7.3 - 35 ug/L); H=Hypereutrophic, TSI > 65 (> 35 ug/L) * = Insufficient data to classify trophic status.								
PA	PONAGANSETT RESERVOIR	14	0.5	1.4	0.9	0.8	29	O
NA	PRINCE'S POND	13	7.7	162.9	34.8	15.9	58	E
WD	QUEEN RIVER AT USQUEPAUGH	16	0.8	4.5	1.6	1.4	34	O
PA	RANDALL POND	14	1.6	14.8	4.3	3.5	43	M
PA	SAND POND	17	1.7	7.9	3.8	3.4	43	M
S	SAUGATUCKET POND	10	3.1	55.6	22.9	22.0	61	E
CW	SCHOOLHOUSE POND-LOWER	5	0.9	1.9	1.3	1.2	32	O
CW	SCHOOLHOUSE POND-UPPER	6	0.8	7.2	2.1	1.0	30	O
B	SCOTT POND	8	2.5	25.6	9.7	9.2	52	E
A	SECRET LAKE	10	0.6	2.8	1.6	1.5	35	O
S	SILVER LAKE	12	1.8	37.1	7.1	3.9	44	M
PE	SILVER SPRING LAKE	14	0.9	23.5	6.4	3.3	42	M
CE	SIMMONS MILL POND	13	2.2	12.2	5.8	5.2	47	M
WO	SLACK'S RESERVOIR	12	1.8	12.7	4.3	3.2	42	M
TE	SLATER POND	12	2.5	179.9	42.0	10.4	54	E
B	SLATERSVILLE RES. (UPPER)	5	3.1	10.7	5.7	4.9	46	M
B	SMITH & SAYLES RESERVOIR	7	1.6	5.0	2.8	2.3	39	O
PA	SPECTACLE POND	19	16.8	241.2	71.5	46.6	68	H
B	SPRING GROVE POND	14	0.9	5.8	2.3	1.8	36	O
B	SPRING LAKE	15	0.2	3.2	1.3	1.2	33	O
TA	STAFFORD POND	11	1.7	22.5	10.2	10.3	53	E
PA	TIOGUE LAKE	18	0.5	11.5	3.8	1.7	36	O
WD	TUCKER POND	23	0.4	37.5	8.6	6.1	48	M
PA	UPPER DAM POND	12	1.1	44.4	8.0	1.5	35	O
B	VALLEY FALLS POND	14	2.8	46.2	17.2	13.8	56	E
B	WALLUM LAKE	8	0.8	3.0	1.2	1.0	30	O
NA	WARWICK POND	13	8.5	46.6	26.5	20.9	60	E
WD	WATCHAUG POND	9	1.4	4.7	2.4	2.1	38	O
WO	WATERMAN LAKE	12	2.9	7.8	5.1	5.3	47	M
NA	WESQUAGE POND	11	4.8	14.3	8.5	9.0	52	E
WD	WHITE POND	13	0.6	2.8	1.3	1.2	32	O
WD	WINCHECK POND	14	1.0	4.4	1.9	1.5	35	O
WO	WOONASQUATUCKET RES	13	1.8	13.7	4.9	3.8	44	M
WD	WORDEN POND	15	1.7	8.6	3.4	2.8	41	M
WD	YAWGOO POND	10	1.9	9.9	3.6	3.1	42	M

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