

2006 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 SAMPLED	SEASON					MEDIAN TROPHIC STATUS 1/
Code	Concentration at 1M		MIN	MAX	MEAN	MEDIAN	TSI	
		--(ug/l or ppb) at 1 meter--						
WD	ALTON POND	12	0.3	2.5	0.8	0.5	25	O
S	ASA POND	7	2.6	104.3	23.5	10.9	54	E
WD	BARBER POND	3	5.3	8.0	6.7	6.7	49	M
A	BELLEVILLE POND - LOWER	17	1.1	17.2	6.6	5.7	48	M
A	BELLEVILLE POND - UPPER	14	1.8	203.5	39.0	12.6	55	E
WD	BLACKAMORE POND	13	7.3	48.7	21.7	15.4	57	E
TH	BLUE LAKE	17	0.2	41.3	10.4	7.1	50	M
WD	BOONE LAKE	12	1.3	4.7	2.8	2.8	41	M
TH	BOWDISH RESERVIOR	7	1.2	4.6	2.2	1.9	37	O
WD	BROWNING MILL POND	13	0.6	15.4	2.5	1.6	35	O
TH	CARBUNCLE POND	17	5.0	45.3	13.6	7.2	50	M
PE	CARR (NK) POND	9	2.7	17.0	6.9	6.3	49	M
PA	CARR (WG) POND	11	0.3	3.4	1.2	0.8	29	O
TH	CLARKVILLE POND	12	0.4	14.9	3.5	2.4	39	O
CW	DEEP POND	5	1.4	34.2	8.6	2.0	38	O
PA	FENNER POND	14	5.8	68.2	35.0	31.3	64	E
PA	FLAT RIVER RESERVOIR	13	1.0	4.6	2.2	1.9	37	O
WO	GEORGIAVILLE POND	8	1.2	5.2	3.2	3.3	42	M
NA	GORTON POND	20	5.8	29.7	14.6	11.8	55	E
WO	HAWKINS POND	9	1.4	7.8	3.5	2.6	40	O
WD	HUNDRED ACRE POND	12	4.1	29.3	11.0	8.2	51	E
S	INDIAN LAKE	10	2.2	18.1	8.6	7.1	50	M
B	KEECH POND	12	1.1	7.7	4.6	5.0	46	M
CE	LILY POND	3	1.6	6.9	4.0	3.6	*	*
NA	LITTLE POND	13	2.0	49.5	15.1	9.4	53	E
WD	LOCUSTVILLE POND	6	0.9	15.8	5.0	3.5	43	M
S	LONG (SK) POND	15	1.0	7.8	2.2	1.7	36	O
WD	MEADOWBROOK POND	14	0.9	12.7	5.7	4.9	46	M
NA	MELVILLE POND - UPPER	13	4.7	44.1	16.7	9.0	52	E
PA	MESHANTICUT POND	20	1.5	150.6	27.4	9.6	53	E
PA	MISHNOCK LAKE	14	0.8	4.2	2.5	2.2	39	O
SK	NANAQUAKET POND	3	3.8	8.9	5.8	4.7	46	M
PA	OAK SWAMP RESERVOIR	6	1.0	2.6	1.5	1.3	33	O

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).

* = Insufficient data to classify trophic status.

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Watershed	LOCATION	# DATES		SEASON			TSI	MEDIAN TROPHIC STATUS 1/	
		SAMPLED	MIN	MAX	MEAN	MEDIAN			
Code	Concentration at 1M	--(ug/l or ppb) at 1 meter--							
B	PASCOAG RESERVOIR	12	1.2	3.5	2.0	1.8	36	O	
WD	PASQUISETT POND	10	0.3	1.6	0.8	0.7	27	O	
PA	PRINTWORKS POND	16	0.7	6.5	3.4	3.5	43	M	
PA	PONAGANSETT RESERVOIR	14	0.5	1.6	0.9	0.8	29	O	
NA	PRINCE'S POND	13	8.3	283.1	67.5	30.1	64	E	
WD	QUEEN RIVER AT USQUEPAUGH	14	0.3	2.0	0.9	0.8	29	O	
PA	RANDALL POND	14	0.9	10.6	4.4	3.1	42	M	
PA	SAND POND	24	1.6	8.7	5.1	5.3	47	M	
S	SAUGATUCKET POND	10	0.9	16.0	4.3	2.3	39	O	
CW	SCHOOLHOUSE POND-LOWER	7	0.6	2.4	1.2	1.0	31	O	
CW	SCHOOLHOUSE POND-UPPER	5	0.8	3.7	1.6	1.0	30	O	
B	SCOTT POND	12	0.7	99.9	23.4	17.1	58	E	
A	SECRET LAKE	9	1.0	5.6	2.1	1.5	35	O	
S	SILVER LAKE	7	3.3	11.2	6.9	5.8	48	M	
PE	SILVER SPRING LAKE	16	1.6	11.2	4.6	3.4	43	M	
TE	SLATER POND	16	3.6	76.0	27.2	22.8	61	E	
B	SLATERSVILLE RES. (UPPER)	9	2.2	12.0	7.2	7.8	51	E	
PA	SPECTACLE POND	19	8.7	197.8	35.0	24.7	62	E	
B	SPRING GROVE POND	13	1.3	87.1	17.1	4.2	45	M	
B	SPRING LAKE	16	0.3	9.7	2.2	1.5	35	O	
TA	STAFFORD POND	11	3.1	12.0	5.8	5.1	47	M	
B	TARKLIN POND	3	1.8	5.8	3.9	4.2	*	*	
PA	TIOGUE LAKE	13	0.4	6.5	2.1	1.4	34	O	
WD	TUCKER POND	20	1.6	12.9	5.6	4.8	46	M	
PA	UPPER DAM POND	9	0.8	7.7	2.9	1.6	35	O	
B	VALLEY FALLS POND	13	4.7	51.3	25.9	28.4	63	E	
B	WALLUM LAKE	1	1.4	1.4	1.4	1.4	*	*	
NA	WARWICK POND	16	8.7	48.9	23.9	20.3	60	E	
WD	WATCHAUG POND	16	1.2	13.5	5.5	5.5	47	M	
WO	WATERMAN LAKE	12	3.2	9.8	6.9	7.2	50	M	
NA	WESQUAGE POND	14	6.4	28.6	14.7	13.8	56	E	
WD	WINCHECK POND	6	0.6	3.3	1.6	1.2	33	O	
WO	WOONASQUATUCKET RES	12	2.5	12.6	5.2	4.3	45	M	
WD	WORDEN POND	13	2.0	11.7	4.9	3.3	42	M	
WD	WYOMING POND	9	0.7	3.6	1.8	1.2	33	O	
WD	YAWGOO POND	11	1.1	29.8	7.0	4.6	46	M	

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