

2000 Parameter Data: Chlorophyll

2000 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_ 0 = Oligotrophic, TSI<40; M = Mesotrophic, TSI 40-50; E = Eutrophic, TSI >50.
 (<2.6 ug/l) (2.6 ug/l -7.2 ug/l) (> 7.2 ug/l)

LOCATION	# DATES		SEASON			MEDIAN TROPHIC	
	SAMPLED	MIN	MAX	MEAN	MEDIAN	TSI	STATUS 1_
Concentration at 1M	--(ug/l or ppb) at 1 meter--						
ALTON POND	13	0.6	3.0	1.3	1.1	32	O
BARBER POND	13	2.8	9.2	6.1	6.2	48	M
BELLEVILLE POND - LOWER	8	1.3	4.1	2.7	2.7	40	M
BELLEVILLE POND - UPPER	13	1.9	82.7	18.9	10.3	53	E
BOONE LAKE	11	0.9	5.4	3.1	3.4	43	M
BOWDISH RESERVIOR	3	1.4	2.4	1.8	1.4	34	O
CARBUNCLE POND	15	15.0	34.1	12.3	9.7	53	E
CARR (NK) POND	9	1.9	9.8	4.7	4.2	45	M
CARR (WG) POND	14	0.3	0.9	0.5	0.5	24	O
CLARK POND	11	0.5	19.7	7.7	4.5	45	M
COOMBER'S RESERVOIR	7	0.9	4.5	1.8	1.4	34	O
DEEP POND	4	1.3	42.5	12.0	5.0	46	M
FLAT RIVER RESERVOIR	12	0.6	2.9	1.8	1.9	37	O
GEORGIAVILLE POND	11	1.4	4.4	2.6	2.5	40	M
GORTON POND	13	3.1	26.9	16.3	18.8	59	E
HUNDRED ACRE POND	11	6.9	27.6	14.3	13.8	56	E
INDIAN LAKE	13	1.8	14.0	7.0	7.6	50	E
KEECH POND	16	1.1	4.0	2.1	2.1	38	O
LARKIN POND	3	1.9	6.2	3.7	3.0	41	M
LITTLE POND	14	2.5	31.7	9.0	7.3	50	E
LOCUSTVILLE POND	12	0.8	7.1	4.2	3.9	44	M
LONG POND	12	0.4	1.2	0.6	0.6	25	O
LOWER SPRAGUE RESERVOIR	12	6.2	21.7	10.6	8.5	52	E
MASHAUG POND	7	11.0	34.4	23.8	26.2	63	E
MEADOWBROOK POND	10	3.6	35.9	14.4	14.0	56	E
MELVILLE POND - UPPER	14	1.5	19.9	6.7	4.2	45	M
MISHNOCK LAKE	12	0.8	2.4	1.5	1.5	34	O
OAK SWAMP RESERVOIR	14	0.5	1.8	1.0	0.9	30	O
PASCOAG RESERVOIR	13	0.7	3.8	2.2	1.9	37	O
PASQUISETT POND	11	0.5	4.5	1.3	1.0	31	O
PA'TUCK RIVER @ BRADFORD	9	0.5	1.8	1.1	1.0	^	^
PRINCE'S POND	11	13.9	160.8	54.1	43.5	68	E
QUEEN RIVER AT USQUEPAUGH	13	0.5	1.5	0.9	0.9	29	O

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LOCATION	# DATES		SEASON			MEDIAN TROPHIC	
	SAMPLED	MIN	MAX	MEAN	MEDIAN	TSI	STATUS 1_/
Concentration at 1M		--(ug/l or ppb) at 1 meter--					
QUIDNICK RESERVOIR	10	1.3	2.1	1.8	1.9	37	O
SAND POND	10	3.1	86.8	18.2	5.0	46	M
SAUGATUCKET POND	12	1.0	10.7	3.6	2.8	41	M
SCHOOLHOUSE POND - LOWER	4	0.9	4.6	1.9	1.1	32	O
SCHOOLHOUSE POND - UPPER	4	0.8	3.3	1.9	1.8	37	O
SECRET LAKE	12	0.8	11.0	4.9	4.4	45	M
SHIPEE MILL POND	12	0.8	18.1	7.1	5.1	47	M
SILVER LAKE	8	1.5	7.7	3.3	3.0	41	M
SILVER SPRING LAKE	17	2.5	40.6	14.1	9.3	52	E
SLACK'S RESERVOIR	14	2.1	12.6	4.6	3.4	43	M
SLATER POND	14	3.5	151.8	34.0	18.9	59	E
SMITH & SAYLES RESERVOIR	12	1.0	2.2	1.4	1.2	33	O
SPALDING POND	8	0.8	19.8	4.9	2.0	37	O
SPECTACLE POND	17	12.2	114.5	48.8	51.8	69	E
SPRING GROVE POND	7	0.6	1.6	1.2	1.3	33	O
SPRING LAKE	14	0.5	3.9	1.4	1.2	33	O
STAFFORD POND	13	5.2	34.0	16.0	14.6	57	E
STILLWATER POND	10	2.0	9.0	4.0	3.0	41	M
TARBOX POND	14	0.9	10.6	3.7	3.3	42	M
TIOGUE LAKE	10	0.5	1.9	0.9	0.7	28	O
TIPPECANSETT POND	2	4.6	8.5	6.5	6.5	49	*
TUCKER POND	12	1.8	29.2	9.1	7.0	50	E
TURNER RESERVOIR	11	2.9	29.3	14.1	11.4	54	E
UPPER SLATERSVILLE RES.	10	1.7	7.3	4.1	3.8	44	M
VALLEY FALLS RESERVOIR	13	10.5	91.5	40.7	36.5	66	E
WARWICK POND	11	14.6	58.3	24.1	21.4	61	E
WASH POND	1	1.4	1.4	1.4	1.4	34	*
WATCHAUG POND	14	2.7	21.1	12.6	12.9	56	E
WATERMAN RESERVOIR	12	3.2	9.9	5.2	4.3	45	M
WENSCOTT RESERVOIR	12	0.7	11.7	3.8	2.9	41	M
WESQUAGE POND	8	4.0	19.0	10.0	9.2	52	E
WHITE POND	2	0.7	0.8	0.8	0.8	28	O
WOOD RIVER @ WOODVILLE	9	0.2	1.2	0.8	0.9	^	^
WOONASQUATUCKET RES.	12	1.9	9.9	4.7	3.6	43	M
WOONASQUATUCKET RES. - SOUT	11	2.5	17.0	7.0	6.0	48	M
WORDEN POND	16	1.0	5.4	2.6	2.5	40	M
WYASSUP LAKE	12	1.1	11.7	4.5	3.5	43	M
YAWGOO POND	17	2.7	16.1	6.2	4.6	45	M

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

* = Insufficient data to assess TSI/Median Trophic Status