

2003 Parameter Data: Secchi Depth

**2003 Secchi Depth Data for Lakes, Ponds, and Reservoirs**

A very simple method to assess water clarity is used by both volunteers and professionals all around the world. It involves viewing the depth at which an 8 inch black and white disk, known as a Secchi disk, disappears in water. This measurement, known as the Secchi depth transparency, is made midday at the deepest part of a waterbody. The basic premise is that the deeper you can see the Secchi disk, the clearer the water. URI Watershed Watch classifies lake trophic status based on Secchi depth by the median, or middle value, for the monitoring season.

1\_/ 0 = Oligotrophic, TSI<40 (> 4.0 meters); M = Mesotrophic, TSI 40 - 50 (2.0 - 4.0 meters);  
E = Eutrophic, TSI >50 (0.7 - 2.0 meters); Hypereutrophic. TSI > 65 (< 0.7 meters)

<b>LOCATION (# of times monitored)</b>	<b>MIN</b>	<b>MAX</b>	<b>MEDIAN</b>	<b># of times Bottom</b>	<b>Bottom Depth (m)</b>	<b>TSI</b>	<b>MEDIAN TROPIC STATUS 1_/</b>
<b>-----Depth (m)-----</b>							
ALMY POND (19)	0.2	0.3	0.3	0	1.6	79	<b>H</b>
ALTON POND (22)	1.0	2.6	1.4	0	4.2	55	<b>E</b>
ASHVILLE POND (7 )	3.0	4.0	4.0	4	4.0	40	<b>O</b>
BARBER POND (20)	0.7	1.6	1.3	0	4.9	56	<b>E</b>
BELLEVILLE POND - LOWER (21)	1.2	2.0	1.8	12	2.0	**	**
BOONE LAKE (12)	2.5	3.5	3.0	0	4.8	44	<b>M</b>
BOWDISH RESERVIOR (8)	2.1	2.7	2.5	7	2.7	**	**
BREAKHEART POND (17)	1.2	2.0	1.5	9	2.3	54	<b>E</b>
BRICKYARD POND (6)	0.7	1.1	0.9	0	4.5	62	<b>E</b>
BROWNING MILL POND (9)	0.7	2.2	1.7	8	2.2	52	<b>E</b>
CARBUNCLE POND (18)	1.9	2.8	2.4	0	7.6	47	<b>M</b>
CARR (NK) POND (19)	1.3	2.7	2.0	0	5.5	50	<b>M</b>
CARR (WG) POND (13)	4.9	11.0	10.7	10	11.0	26	<b>O</b>
CHAPMAN POND (14)	0.6	0.9	0.8	7	0.9	**	**
COOMBER'S RESERVIOR (5)	3.6	4.0	3.6	2	4.0	41	<b>M</b>
DEEP POND (3)	4.1	8.7	4.9	0	8.7	37	<b>O</b>
FLAT RIVER RESERVOIR (24)	1.3	2.8	1.9	0	9.8	51	<b>E</b>
GEORGIAVILLE POND (13)	2.8	5.3	3.6	0	7.0	42	<b>M</b>
HAWKINS POND (23)	1.1	3.4	2.3	7	3.4	48	<b>M</b>
HUNDRED ACRE POND (21)	0.9	1.9	1.3	0	11.6	56	<b>E</b>
INDIAN LAKE (11)	2.4	2.5	2.5	11	2.5	**	**
KEECH POND (24)	2.0	3.5	2.0	0	3.9	50	<b>M</b>
LITTLE POND (22)	0.9	4.6	2.9	0	6.2	45	<b>M</b>
LOCUSTVILLE POND (9)	1.2	1.7	1.4	0	2.5	55	<b>E</b>
LONG (HOPK) POND (19)	1.1	2.2	1.2	0	7.4	57	<b>E</b>
LONG (SK) POND (15)	5.5	7.7	7.3	7	7.7	31	<b>O</b>
LOWER SPRAGUE RESERVOIR (4)	1.8	2.2	1.9	3	2.2	**	**
MASHAUG POND (9)	0.6	2.1	1.3	0	4.2	56	<b>E</b>
MEADOWBROOK POND (20)	1.0	2.2	1.4	0	2.2	55	<b>E</b>
MELVILLE POND - UPPER (23)	1.1	2.6	1.8	1	3.8	52	<b>E</b>
NANAQUAKET POND (9)	1.2	3.0	1.8	3	5.3	52	<b>E</b>
OAK SWAMP RESERVOIR (163)	2.7	3.0	2.8	16	3.0	**	**
PASCOAG RESERVOIR (22)	4.0	5.5	5.3	14	5.5	36	<b>O</b>
PASQUISETT POND (19)	0.5	0.7	0.6	0	6.5	69	<b>#</b>

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LOCATION (# of times monitored)	MIN	MAX	MEDIAN	# of times	Bottom	MEDIAN TROPIC	
				Bottom	Depth (m)	TSI	STATUS 1_ /
-----Depth (m)-----							
PA'TUCK RIVER @ AVONDALE (24)	1.0	2.8	1.6	0	5.8	φ	φ
PA'TUCK RIVER @ BRADFORD (6)	1.6	2.1	1.8	0	2.2	φ	φ
PRINCE'S POND (18)	0.5	1.4	0.7	0	3.8	65	E
QUEEN RIVER AT USQUEPAUGH (22)	1.4	2.3	2.1	14	2.3	**	**
RANDALL POND (23)	1.2	3.6	2.3	0	5.7	48	M
ROGER WMS PARK POND (21)	0.4	1.2	0.5	0	1.8	70	E
SAND POND (21)	2.4	5.1	3.3	0	8.3	43	M
SAUGATUCKET POND (24)	0.8	1.7	1.1	0	3.0	58	E
SCHOOLHOUSE POND-LOWER (4)	4.3	5.4	4.5	0	8.7	38	O
SCHOOLHOUSE POND-UPPER (4)	3.8	4.9	4.3	0	8.7	39	O
SECRET LAKE (12)	1.5	2.7	2.1	5	2.7	**	**
SILVER LAKE (10)	2.4	6.8	3.5	0	9.8	42	M
SILVER SPRING LAKE (11)	1.4	2.1	1.8	0	3.3	52	E
SLACK'S RESERVOIR (23)	1.5	4.1	2.7	3	4.1	**	**
SLATER POND (23)	0.7	1.5	0.7	15	1.6	**	**
SLATERSVILLE RES. - UPPER (22)	1.6	3.4	2.4	0	7.0	48	M
SMITH & SAYLES RESERVOIR (7)	2.9	3.0	2.9	7	3.0	**	**
SPALDING POND (11)	1.2	2.1	1.7	2	2.2	52	E
SPECTACLE POND (18)	0.5	3.2	1.0	0	4.3	60	E
SPRING GROVE POND (23)	1.6	4.2	3.5	4	4.2	42	M
SPRING LAKE (24)	3.0	5.3	4.4	5	5.3	39	O
STAFFORD POND (21)	0.8	2.9	2.2	0	8.2	49	M
STILLWATER POND (14)	1.7	3.4	2.7	0	4.3	46	M
TARBOX POND (6)	0.8	1.8	1.3	0	2.7	56	E
TIOGUE LAKE (22)	2.0	3.2	2.8	5	3.4	**	**
TUCKER POND (19)	1.7	2.5	2.1	0	8.0	50	M
TURNER RESERVOIR (18)	0.9	1.7	1.1	0	4.4	58	E
VALLEY FALLS POND (13)	0.5	1.0	0.7	13	1.0	**	**
WALLUM LAKE (12)	4.5	7.8	5.7	1	10.0	35	O
WARWICK POND (19)	0.9	1.8	1.3	0	7.0	56	E
WATCHAUG POND (21)	1.6	3.7	2.1	0	12.0	49	M
WATERMAN LAKE (21)	1.8	3.5	2.4	0	4.0	48	M
WENSCOTT RESERVOIR (14)	1.2	2.8	2.6	7	2.9	46	M
WESQUAGE POND (19)	0.4	1.0	0.5	2	1.7	69	E
WHITE POND (11)	5.0	17.0	10.0	2	17.0	27	O
WILSON RESERVOIR (21)	1.9	3.2	2.5	0	4.4	47	M
WINCHECK POND (12)	2.5	4.9	3.7	2	4.9	41	M
WOONASQUATUCKET RES. (21)	2.2	3.0	2.8	10	3.2	**	**
WYASSUP LAKE (11)	3.1	4.6	3.5	0	9.9	42	M
WYOMING POND (6)	1.9	2.6	2.3	0	3.3	48	M
YAWGOO POND (27)	0.7	3.1	2.1	0	11.0	49	M

\*\* = TSI/Median Trophic Status not classified because of shallowness of the site

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

# = Water clarity not a good indicator of trophic status due to naturally dark color