

AMBIENT LAKE MONITORING NETWORK

Lake Name: Taunton Lake

County: BURLINGTON

SiteID: NJW04459-050

Municipality: MEDFORD TWP

Surface to Bottom Profile

Season: Spring

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	1	0.8	1	10.49	9.76	86.4	5.41	0.07
2	1.7	1		11.6	9.32	84.6	5.11	0.07
3	1.9	1		11.3	8.77	79.1	5.57	0.073
hotspot	1	0.5		7.75	9.8	81.2	4.3	0.083
outlet	0.4	0.4		11.18	10.11	90.9	5.69	0.07

Season: Summer

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	1.2	1	1.2	21.55	7.25	82.4	5.85	0.075
2	1.5	1	1.3	21.03	6.9	77	5.48	0.075
3	1.8	1	1.2	20.13	5.54	61.2	5.58	0.091
hotspot	0.7	0.5	0.6	17.36	4.86	50.8	4.47	0.076
outlet	0.3	0.3		21.77	6.91	78.8	5.59	0.077

Season: Fall

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	0.8	0.4	0.7	21.5	6.26	69.3	4.93	0.062
2	1.5	1	1.2	22.02	6.41	71.5	5.12	0.061
3	1.9	1	1.3	22.13	6.23	69.7	5.41	0.072
hotspot	0.6	0.3	0.5	20.93	5.26	57.6	4.95	0.066
outlet	0.5	0.5		21.81	7.02	78.2	5.26	0.066

-Secchi measurements are not recorded for outlets.

-A blank Secchi measurement for lake stations means that an accurate measurement could not be recorded.

-A blank parameter result means the parameter could not be measured due to a meter malfunction.

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Lake Name: Taunton Lake

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Lake Profile Raw Data

Season: Spring

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	ND	0.162	0.691	0.024	4.3	3	12.471	1.34
2	0.014	0.139	0.551	0.021	4.1	2	12.132	1.48
3	0.007	0.206	0.495	0.022	4.7	2	14.499	2.25
hotspot	0.009	0.297	0.108	0.021	6	1	8.895	1.31
outlet	0.012	0.304	0.508	0.020	5.1	3	13.760	2.15

Season: Summer

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.037	0.409	0.080	0.018	19.2	5	10.288	1.69
2	0.034	0.397	0.078	0.015	15.7	4	10.255	2.31
3	0.041	0.402	0.123	0.026	14.7	5	11.310	3.09
hotspot	0.119	1.290	0.063	0.037	21.3	4	10.330	15.7
outlet	0.025	0.462	0.109	0.037	14.1	3	11.691	2.47

Season: Fall

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.025	0.615	0.159	0.065	7.7	2	9.171	4.36
2	0.015	0.474	0.121	0.055	4.8	2	9.378	3.43
3	0.024	0.493	0.170	0.056	3.3	4	11.379	3.32
hotspot	0.024	0.774	0.101	0.066	13.3	2	9.810	5.87
outlet	0.01	0.496	0.161	0.068	4.5	2	11.056	3.66

Sample Device - Horizontal Polycarbonate Sampler

"ND" indicates the result is at a concentration below the analytical method's Reporting Limit (RL). See Volume 1, Methods.

-A blank parameter result means the parameter could not be analyzed due to laboratory error.