

AMBIENT LAKE MONITORING NETWORK

Lake Name: Wilderness Lake

County: BURLINGTON

SiteID: NJW04459-149

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	2.6	1	2.5	12.23	9.31	86	5.53	0.062
1	2.6	2	2.5	11.66	9.26	84.4	5.55	0.062
2	1.5	1	1.5	11.95	8.43	77.3	5.42	0.064

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	1.9	1	1.8	27.69	9.44	120.4	6.1	0.063
2	1.5	1	1.5	26.41	6.83	85.2	5.79	0.063
outlet	0.3	0.3		27.87	7.19	92.1	6.11	0.061

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	1.9	1	1.5	23.1	7.69	88.5	6.46	0.067
2	1.5	1	1.5	21.74	6.87	77.2	6.31	0.067
outlet	0.3	0.3		22.95	7.79	89.6	6.21	0.067

-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: Wilderness 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	0.131	0.542	0.032	4	2.000	11.631	1.78
2	ND	0.148	0.593	0.043	3.72	1.000	11.648	2.32
outlet 1	0.016	0.290	0.444	0.068	6.55	6.000	14.521	2.6

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	ND	0.285	0.037	0.008	10.27	9.000	11.479	1.4
2	0.01	0.293	0.127	0.009	9.68	5.000	11.811	2
outlet	ND	0.282	0.043	0.009	8.31	7.000	12.050	1.34

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	0.011	0.328	0.003	0.012	14.83	9.000	14.077	2.27
2	ND	0.228	0.003	0.013	9.24	10.000	14.261	2.07
outlet	ND	0.337	0.003	0.012	14.71	8.000	14.284	2.24

Sample Device - Horizontal Polycarbonate Sampler

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

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