

AMBIENT LAKE MONITORING NETWORK

Lake Name: Old Forge Lake

County: BURLINGTON

SiteID: NJW04459-270

Municipality: SOUTHAMPTON 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	1.3	1	1.3	13.82	9.13	87.6	4.18	0.078
2	1.9	1	1.5	13.95	8.51	81.8	4.4	0.079
3	1.5	1	1.5	12.51	8.3	77.3	4.29	0.076
outlet	0.1	0.1		15.76	8.7	87	4.4	0.077

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	1.3	1	1.3	24.64	5.76	69.2	4.78	0.08
2	1.6	0.3	1.4	26.7	7.41	92.5	4.85	0.079
2A	1.6	1.3	1.4	23.44	1.35	15.7	4.63	0.08
3	1.5	0.2	1.5	27.19	7.16	90.1	4.84	0.08
3A	1.5	1.2	1.5	23.57	4.82	56.9	4.6	0.084
outlet	0.1	0.1		26.39	7.1	88	4.81	0.081

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	1.3	0.6	1.3	15.01	7.44	73.3	5.28	0.078
2	1.6	1	1.5	15.95	6.2	62.3	4.92	0.079
3	1.5	1	1.5	15.92	7.22	72.6	5.13	0.077
outlet	0.2	0.2		16.59	7.98	81.3	5.19	0.078

-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: Old Forge Lake

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Municipality: SOUTHAMPTON TWP

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	0.016	0.312	0.395	0.012	2.27	1.000	11.445	1.66
2	0.022	0.349	0.306	0.014	6.54	2.000	11.479	1.94
3	0.016	0.310	0.325	0.013	4.78	8.000	11.454	1.95
outlet	0.029	0.415	0.306	0.021	4.74	1.000	11.098	2.18

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	0.017	0.397	0.210	0.009	7.62	3.000	14.162	2.09
2	0.036		0.131	0.008	45.8	4.000	13.424	2.36
2A	0.032	0.691	0.168	0.026	49.81	1.000	13.085	2.24
3	0.02	0.473	0.180	0.004	17.75	1.000	13.971	2.19
3A	0.022	0.508	0.211	0.015	13.44	2.000	14.195	2.39
outlet	0.024	0.508	0.183	0.002	14.43	2.000	13.996	2.11

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	0.014	0.195	0.455	0.016	4.5	2.000	14.440	1.51
2	0.025	0.414	0.210	0.034	16.81	1.000	13.438	2.75
3	0.013	0.160	0.341	0.015	6.06	1.000	14.026	1.48
outlet	0.02	0.246	0.317	0.018	8.22	1.000	13.894	2.63

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.