

AMBIENT LAKE MONITORING NETWORK

Lake Name: Forest Hill Lake

County: PASSAIC

SiteID: NJW04459-085

Municipality: WEST MILFORD 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	2.7	1	1.5	21.09	8.93	103.5	7.73	0.141
1	2.7	2	1.5	18.89	7.36	81.7	7.29	0.142

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	3.3	1	1.2	27.74	8.1	104.8	8.82	0.209
1	3.3	2	1.2	27.14	6.56	84	8.31	0.21
1	3.3	3	1.2	24.34	0.54	6.6	7.31	0.223

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	3.5	1	2.1	21.5	6.49	75.7	7.08	0.253
1	3.5	2	2.1	21.49	6.46	75.3	7.29	0.253
1	3.5	3	2.1	21.36	6.18	71.8	7.33	0.256
outlet	0.1	0.1		21.28	7.59	88.1	7.76	0.227

-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 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	0.024	0.402	0.027	0.005	9.6	82.000	56.768	3.08

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	0.039	0.569	0.037	0.006	22.7	55.000	89.320	3.59

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	0.033	0.589	0.025	0.026	16.1	55.000	104.400	2.62
outlet	0.03	0.667	0.021	0.015	19.06	52.000	103.600	2.42

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.