

AMBIENT LAKE MONITORING NETWORK

Lake Name: Plymouth Lake

County: SUSSEX

SiteID: NJW04459-081

Municipality: STILLWATER 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	2.4	1	2.2	19	8.73	95.7	6.76	0.053
1	2.4	2	2.2	18.39	8.83	95.5	6.61	0.053
outlet	0.1	0.1		19.88	7.02	78.3	6.8	0.054

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	2.3	1	1.9	22.88	7.31	87.9	6.29	0.04
1	2.3	2	1.9	20.92	1.82	21	5.88	0.038
outlet	0.2	0.2		23.19	7.36	89	6.18	0.042

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	2.5	1	2.5	11.21	8.5	78.6	6.56	0.042
1	2.5	2	2.5	10.92	8.5	78.1	6.47	0.043
outlet	0.1	0.1		11.09	9.6	88.5	6.79	0.04

-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: Plymouth 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	0.023	0.269	0.031	0.005	5.6	20.000	14.943	1.11
outlet	0.027	0.271	0.071	0.005	2.6	3.100	14.761	1.88

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	0.031	0.228	0.036	0.022	16.9	9.200	14.775	1.74
outlet	0.033	0.139	0.037	0.025	11.58	26.000	15.506	1.77

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	ND	0.181	0.036	0.039	6.11	4.000	12.377	1.40
outlet	0.018	0.109	0.043	0.039	5.83	2.000	11.953	1.55

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.