

AMBIENT LAKE MONITORING NETWORK

Lake Name: Shadow Lake

County: BURLINGTON

SiteID: NJW04459-065

Municipality: SHAMONG TWP

Surface to Bottom Profile

Season: Spring

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	0.9	0.7	0.9	11.32	9.05	81.6	5.44	0.076
outlet	0.3	0.3		13.71	9.74	92.7	5.76	0.076

Season: Summer

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.1	0.5	0.8	23.96	6.01	71.1	5.42	0.075
outlet	0.1	0.1		24.91	7.14	85.9	5.63	0.076

Season: Fall

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1	0.5	0.7	19.84	5.95	63.7	5.12	0.1
outlet	0.1	0.1		19.83	6.19	66.3	6.05	0.109

-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	ND	0.402	0.455	0.029	6.2	3	14.889	1.87
outlet	ND	0.406	0.449	0.028	6	3	14.591	1.73

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	0.045	1.450	0.063	0.013	171.8	6	14.194	4.6
outlet	0.055	0.712	0.070	0.027	22.6	5	14.177	2.74

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	0.04	0.800	0.348	0.021	28.9	3	20.389	6.01
outlet	0.042	0.856	0.156	0.191	20.4	15	30.515	2.46

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.