

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Stony Lake

County: SUSSEX

SiteID: NJW04459-063

Municipality: SANDYSTON 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	2.2	1	2.2	14.35	8.42	84.5	6.07	0.023
1	2.2	2	2.2	12.96	8.34	81.2	5.97	0.023
outlet	0.3	0.3		14.54	8.53	86	6.5	0.025

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	2.1	1	1.8	23.67	4.5	53.9	6.26	0.043
outlet	0.1	0.1		21.49	4.49	51.4	6.72	0.064

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	2.2	1	2.2	9.77	8.67	79.5	5.88	0.026
1	2.2	2	2.2	8.54	9.37	83.4	5.78	0.024
outlet	0.2	0.2		9.87	9.59	88.1	6.34	0.027

-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	0.007	0.230	0.007	0.006	1.8		9.609	0.81
outlet	0.008	0.185	0.006	0.006	2.1	5	10.352	0.8

### 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	0.016	0.226	0.006	0.006	12.6	14	18.489	1.43
outlet	0.02	0.207	0.030	0.061	2.6	28	26.908	4.76

### 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	0.013	0.046	0.004	0.012	1.2	3.100	9.884	0.56
outlet	ND	0.046	0.003	0.016	1.6	7.100	11.148	0.71

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.