

AMBIENT LAKE MONITORING NETWORK

Lake Name: Sycamore Lake

County: SALEM

SiteID: NJW04459-130

Municipality: ALLOWAY 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	1.2	0.6	1.2	8.42	9.35	78.2	5.22	0.083
2	2.0	1	1.8	10.91	9.4	83.5	5.23	0.079
outlet	0.1	0.1		11.08	10.02	89.2	5.52	0.078

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	0.7	0.3	0.7	22.87	6.35	73.9	5.83	0.067
2	2	1	1.4	23.51	5.25	61.9	5.84	0.064
outlet	0.2	0.2		24.39	6.85	82.2	6.05	0.063

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	0.4	0.4	0.8	21.36	3.81	42.5	5.99	0.089
2	2.0	1	2.0	24.04	6.08	71.5	6.29	0.084
outlet	0.2	0.2		24.74	6.95	82.7	6.36	0.085

-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	0.218	1.520	0.038	1.3	3.000	26.924	2.56
2	0.012	0.268	1.130	0.036	2.58	1.000	25.715	3.19
outlet	0.013	0.280	1.140	0.034	2.95	3.000	25.731	3.33

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	0.024	0.734	0.509	0.094	16.79	12.000	23.839	4.17
2	0.023	0.785	0.255	0.052	16.07	7.000	22.150	2.77
outlet	0.039	0.865	0.251	0.055	22.85	12.000	22.425	3.04

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	0.021	0.486	0.576	0.054	6.99	8.000	31.512	1.66
2	0.01	0.489	0.408	0.066	8.42	11.000	28.529	1.52
outlet	0.012	0.530	0.418	0.089	10.26	8.000	29.341	2.28

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.