

AMBIENT LAKE MONITORING NETWORK

Lake Name: Silver Lake

County: SUSSEX

SiteID: NJW04459-134

Municipality: HARDYSTON 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	1.7	1	1.7	13.46	9.89	99.2	7.31	0.045
outlet	0.3	0.3		14.32	10.17	104.1	7.15	0.048

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	1.7	1	1.0	23.08	7.12	86.7	6.85	0.05
outlet	0.1	0.1		23.6	6.67	82	6.85	0.052

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	1.6	1.0	1.6	10.11	9.14	83.9	6.17	0.047
outlet	0.1	0.1		10.14	9.49	87.2	6.58	0.05

-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	0.031	0.222	0.006	0.008	6.77	7.000	18.236	1.26
outlet	0.028	0.239	0.006	0.013	8.48	25.000	18.127	1.26

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	0.025	0.626	0.031	0.002	19.44	12.000	19.308	1.97
outlet	0.024	0.322	0.030	0.002	9.22	13	18.968	1.01

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	0.014	0.388	0.009	0.016	3.55	22.000	19.710	0.7
outlet	0.017	0.569	0.015	0.024	5.73	37.000	21.487	1.16

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.