

AMBIENT LAKE MONITORING NETWORK

Lake Name: Silver Lake

County: CUMBERLAND

SiteID: NJW04459-276

Municipality: UPPER DEERFIELD 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	2.3	1	1.9	8.75	10.02	85.2	5.5	0.177
1	2.3	2	1.9	8.7	10.03	85.3	5.67	0.177
2	1.5	1	1.5	8.55	10.12	85.6	5.47	0.181

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	2.3	1	1.8	23.88	8.9	105.6	8.31	0.156
1	2.3	2	1.8	20.62	6.28	69.8	7.84	0.139
2	1.5	1	1.5	24	10.91	130.4	8.8	0.155

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	2.7	1	0.25	22.6	4.09	46.9	6.53	0.076
1	2.7	2	0.25	22.53	4.14	47.4	6.43	0.078
2	1.8	1	0.4	22.59	5.92	67.7	6.45	0.093

-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	0.019	0.469	2.89	0.0121	8.38	9	46.8	2.41
2	0.029	0.426	3.08	0.0205	8.19	5	48.0	2.21

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	0.039	0.692	1.08	0.014	18.25	10	47	2.28
2	0.041	0.672	1.07	0.014	17.27	31	46.9	2.87

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	0.142	1.08	0.307	0.132	39.88	39	25.9	49.2
2	0.125	1.23	0.228	0.062	58.86	45	33.3	35.0

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.