

AMBIENT LAKE MONITORING NETWORK

Lake Name: Sun Air Campground

County: MORRIS

SiteID: NJW04459-083

Municipality: JEFFERSON 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	18.04	13.86	150.1	7.82	0.372
outlet	0.2	0.2		19.12	12.22	135.3	7.8	0.37

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	1.7	26.74	9.9	126.7	9.23	0.256
outlet	0.2	0.2		28.07	8.77	115	9.34	0.251

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	1.7	1	1.7	17.64	10.11	107	8.63	0.342
outlet	0.1	0.1		18.26	7.62	81.7	8.72	0.319

-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	0.017	0.422	0.634	0.015	9.4	87.000	126.700	1.48
outlet	0.023	0.657	0.642	0.019	16.8	84.000	127.800	3.05

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	0.02	0.563	0.029	0.014	3.1	79.000	98.843	2.12
outlet	0.021	0.574	0.028	0.025	8.9	79.000	96.022	1.11

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	ND	0.361	0.033	0.006	2.53	87.000	111.800	0.8
outlet	0.026	0.451	0.032	0.006	5.53	77.000	100.800	1.48

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.