

AMBIENT LAKE MONITORING NETWORK

Lake Name: Cedar Lake

County: CUMBERLAND

SiteID: NJW04459-243

Municipality: LAWRENCE TWP

Surface to Bottom Profile

Season: *Spring*

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	1.2	1	1.1	10.91	9.08	82.1	6.87	0.069
outlet 1	0.4	0.4		11.67	9.19	84.6	7.1	0.071
outlet 2	0.3	0.3		11.7	9.31	85.6	6.9	0.07

Season: *Summer*

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	1.1	1	0.7	18.39	8.4	89.1	6.63	0.061
outlet 1	0.3	0.3		21.59	8.13	92	8.65	0.065
outlet 2	0.3	0.3		21.28	8.91	100.6	7.37	1.201

Season: *Fall*

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	1.2	1	0.7	20.16	4.83	53.1	6.71	0.081
outlet 1	0.1	0.1		22.69	8.41	97.8	6.51	0.08
outlet 2	0.1	0.1		22.44	7.63	88.1	6.21	0.082

-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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SiteID: NJW04459-243

Municipality: LAWRENCE TWP

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	0.034	0.444	1.020	0.034	12.8	9	22.169	5.28
outlet 1	0.025	0.450	0.969	0.037	21.7	9	22.709	4.28
outlet 2	0.031	0.543	0.956	0.129	15.8	9	22.343	4.86

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	0.12	1.200	0.175	0.015	59.8	14	21.574	12.1
Outlet 1	0.102	1.010	0.080	0.015	37.2	13	21.564	10.6
Outlet 2	0.115	1.270	0.242	0.062	55.3	17	109.1	17

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	1.520	0.635	0.085	63.6	10	24.830	27.4
outlet 1	0.115	0.812	0.410	0.021	37.4	10	24.068	10.6
outlet 2	0.101	0.674	0.429	0.036	31.7	11	24.308	9.94

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.