

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Colonial Lake

County: MERCER

SiteID: NJW04459-102

Municipality: LAWRENCE 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	0.8	17.22	9.37	97.1	7.43	0.368
1	2.3	2	0.8	14.66	4.61	45.6	7.08	0.374
outlet	1	0		17.92	9.44	99.3	7.37	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	2.1	1	0.9	23.17	9.61	111.6	7.32	0.235
outlet	0.4	0.1		26.14	7.41	90.9	7.46	0.229

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	2.1	1	0.4	23.33	7.24	84.8	8.02	0.295
outlet	0.1	0.1		26.16	3.65	45	7.57	0.288

-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	0.048	0.442	1.010	0.247	26.0	61.000	127.600	11.7
outlet	0.054	0.476	1.050	0.096	17.4	46.000	127.800	7.60

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	0.112	1.080	0.283	0.078	115.6	41.000	70.888	10.6
outlet	0.11	0.808	0.335	0.064	34.9	66.000	71.014	4.05

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	0.094	0.712	0.027	0.102	115.7	42.000	96.927	12.3
outlet	0.134	0.669	0.152	0.126	27.41	85.000	95.889	6.84

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.