

AMBIENT LAKE MONITORING NETWORK

Lake Name: Eden Mill Pond

County: MORRIS

SiteID: NJW04459-129

Municipality: HANOVER 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	1.1	0.5	0.5	13.44	17.09	162.8	8.95	0.493
2	1.8	1	1.8	12.24	13	120.6	8.31	0.514
outlet	0.2	0.2		13.18	11.19	106	8.41	0.509

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	1.2	0.5	0.7	22.75	6.44	75	7.3	0.473
2	1.7	1	1.7	21.34	7.28	82.8	7.46	0.53
outlet	0.1	0.1		21.54	7.95	90.6	7.59	0.525

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	1.1	0.5	0.5	19.29	8.89	95.4	7.75	0.641
2	1.9	1	1.9	17.27	7.99	82.2	7.74	0.677
outlet	0.2	0.2		18.08	8.91	93.3	7.82	0.688

-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	0.122	0.697	0.654	0.011	57.2	42.000	128.000	9.99
2	0.11	0.330	1.380	0.047	7.52	50.000	136.200	2.37
outlet	0.103	0.354	1.310	0.049	10.58	44.000	132.300	2.55

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	0.247	1.720	0.604	0.068	197.79	60.000	110.800	11.3
2	0.155	0.258	1.530	0.046	3.99	45.000	135.000	3.97
outlet	0.172	0.442	1.450	0.097	12.17	59.000	132.700	6.02

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	0.125	0.642	1.940	0.084	26.72	81.000	166.900	17.8
2	0.187	0.391	2.780	0.018	5.06	70.000	171.900	2.24
outlet	0.173	0.483	2.880	0.073	6.72	73.000	175.200	2.43

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.