

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Lake at the Woods

County: BURLINGTON

SiteID: NJW04459-094

Municipality: NEW 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	2.5	1	2.5	8.86	10.26	88.2	6.55	0.135
1	2.5	2	2.5	8.84	10.15	87.3	6.41	0.135
outlet	0.2	0.2		8.81	10.29	88.5	6.74	0.135

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	2.2	1	2.2	23.68	6.31	74.7	6.25	0.123
1	2.2	2	2.2	19.14	9.71	105.5	6.3	0.127
outlet		0.2		25.52	7.3	89.7	6.45	0.124

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	2.3	1	2.3	23.4	6.05	70.5	6.44	0.144
1	2.3	2	2.3	23.19	5.24	60.9	6.24	0.145
outlet	0.3	0.3		23.4	7.05	82.3	6.69	0.145

-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	ND	0.318	0.047	0.005	5.6	10.200	27.779	1.18
outlet	ND	0.310	0.060	0.005	4.7	10.200	27.324	1.60

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	0.021	0.321	0.131	0.006	4.3	18.000	25.350	1.57
outlet	0.015	0.384	0.140	0.014	4.3	10.000	25.069	1.52

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	0.298	0.017	0.027	4.49	10.000	26.769	1.33
outlet	ND	0.151	0.015	0.045	5.35	15.000	27.474	2.02

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.