

# AMBIENT LAKE MONITORING NETWORK

**Lake Name:** Willow Pond

**County:** BURLINGTON

**SiteID:** NJW04459-253

**Municipality:** NEW HANOVER 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	2.3	1	2.3	7.99	10.14	85.7	6.26	0.317
1	2.3	2	2.3	7.97	10.12	85.3	6.2	0.317
outlet	1	0.3		10.47	7.71	69.1	5.9	0.339

**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	2.3	1	1.1	24.04	5.95	70.3	6.56	0.23
1	2.3	2	1.1	23.89	5.67	66.8	6.65	0.229
outlet	0.5	0.3		16.72	3.86	39.5	6.09	0.363

**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	2.2	1	2.2	24.17	6.81	80.6	6.86	0.227
1	2.2	2	2.2	24.13	6.65	78.7	6.89	0.227
outlet	0.1	0.1		17.97	4.58	48	5.92	0.426

-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	0.019	0.483	0.228	0.087	3.0	5.100	34.612	2.33
outlet	0.02	0.309	1.400	0.086	1.5	3.100	67.996	1.43

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	0.043	0.473	0.042	0.006	8.7	18.000	35.018	7.27
outlet	0.045	0.385	1.730	0.108	1.6	21.000	76.542	2.54

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	0.021	0.386	0.021	0.049	6.48	30.000	33.838	2.49
outlet	0.023	0.106	2.160	0.076	0.45	32.000	88.478	1.27

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.