

# AMBIENT LAKE MONITORING NETWORK

**Lake Name:** Paulina Lake

**County:** WARREN

**SiteID:** NJW04459-154

**Municipality:** BLAIRSTOWN 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	1.3	0.6	1.2	12.8	10.73	102.4	8.19	0.357
2	1.5	1	1.3	12.82	10.97	104.6	8.18	0.357
outlet	0.2	0.2		13.25	10.77	103.7	8.24	0.357

**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	1.3	0.6	1.3	18.59	7.7	82.5	7.81	0.497
2	1.5	1	1.5	19.54	6.92	75.5	8	0.496
outlet	0.3	0.3		21.41	8.4	95.1	7.91	0.492

**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	1.3	0.6	1.3	8.35	10.78	94	8.13	0.446
2	1.5	1	1.5	8.97	9.5	84	8.04	0.443
outlet	0.1	0.1		9.41	10.86	97	8.33	0.442

-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	0.367	0.310	0.020	6.18	96.000	126.200	5.72
2	0.042	0.341	0.316	0.021	6.23	122.0	127.200	5.73
outlet	0.033	0.380	0.303	0.026	5.56	85.000	131.200	5.84

### 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	0.049	0.054	0.213	0.024	2.11	139.0	181.200	1.23
2	0.048	0.054	0.204	0.029	4.02	142.0	182.600	2.59
outlet	0.049	0.054	0.160	0.030	3.78	146.0	179.300	2.05

### 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	0.022	0.342	0.139	0.002	1.12	85.000	161.800	0.88
2	0.022	0.323	0.124	0.013	1.1	64.000	162.241	1.06
outlet	0.019	0.317	0.108	0.004	1.86	122.0	164.500	1.36

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.