

# AMBIENT LAKE MONITORING NETWORK

**Lake Name:** Success Lake

**County:** OCEAN

**SiteID:** NJW04459-247

**Municipality:** JACKSON 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	1.1	0.5	0.9	13.12	6.28	59.5	3.94	0.061
2	1.5	1	0.9	13.66	7.26	69.6	3.92	0.06
outlet	0.6	0.3		15.95	8.6	86.6	3.98	0.059

**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	0.5		24.64	3.37	40.8	4.8	0.052
2	1.6	1	0.5	25.47	3.12	38.3	4.78	0.053
outlet	0.4	0.2		29.57	5.94	78.3	4.92	0.051

**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	0.9	0.5	0.8	18.5	5.16	54.5	4.65	0.046
2	1.5	1	0.6	18.37	5.96	62.8	4.53	0.047
outlet	0.3	0.3		18.26	8.03	84.4	4.64	0.047

-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	0.014	0.309	0.047	0.017	1.1	1.000	6.494	1.09
2	0.012	0.379	0.049	0.021	1.2	1.000	6.096	0.76
outlet	0.011	0.289	0.045	0.022	1.1	1.000	6.112	0.79

### 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	0.665	0.043	0.016	7.1	3.100	7.541	2.43
2	0.034	0.601	0.043	0.029	3.5	1.000	7.345	2.94
outlet	0.029	0.587	0.039	0.013	7.7	2.000	7.312	2.88

### 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	0.445	0.023	0.009	6.22	3.000	6.905	2.82
2	ND	0.462	0.032	0.008	6.9	2.000	6.946	3.71
outlet	0.012	0.499	0.018	0.016	6.98	1.000	7.008	4.55

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.