

AMBIENT LAKE MONITORING NETWORK

Lake Name: Delaware Lake

County: WARREN

SiteID: NJW04459-087

Municipality: KNOWLTON 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	3.8	1	1.8	15.64	13.41	136.8	9.36	0.385
1	3.8	2	1.8	10.85	16.15	148.2	9.1	0.381
1	3.8	3	1.8	8.26	11.07	95.5	8.58	0.377
outlet	0.1	0.1		16.18	10.48	108.1	9.42	0.384

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	3.6	1	0.4	27.04	2.25	28.8	9.2	0.423
1	3.6	2	0.4	21.8	0.19	2.2	7.95	0.459
1	3.6	3	0.4	18.02	0.13	1.4	7.11	0.539
outlet	0.1	0.1		28.44	7.12	93.4	9.75	0.425

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	3.7	1.1	0.6	19.91	13.41	148.2	9.37	0.431
1	3.7	2	0.6	19.29	0.2	2.1	7.39	0.452
1	3.7	3	0.6	17.8	0.09	0.9	6.71	0.505
outlet	0.1	0.1		19.63	5.93	65.2	8.81	0.44

-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	0.021	0.343	0.781	0.005	11.8	67.000	107.300	1.77
outlet	0.051	0.403	0.759	0.011	13.3	65.000	107.300	1.97

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	0.176	2.590	0.041	0.063	131.8	82.000	117.000	14.9
outlet	0.286	2.260	0.047	0.515	80.8	77.000	110.600	9.23

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	0.146	1.340	0.011	0.058	104.95	70.000	120.400	13.4
outlet	0.143	1.430	0.058	0.174	52.91	65.000	122.900	6.97

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.