

AMBIENT LAKE MONITORING NETWORK

Lake Name: Cedar Lake

County: MORRIS

SiteID: NJW04459-055

Municipality: DENVILLE 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	4.1	1	3.1	17.95	7.66	82.9	6.6	0.238
1	4.1	2	3.1	17.35	7.46	79.8	6.89	0.239
1	4.1	3	3.1	17.09	7.18	76.4	6.86	0.239
2	1.8	1	1.8	18.15	7.13	77.6	6.94	0.24

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	3.8	1	2	27.36	6.89	88.3	7.37	0.214
1	3.8	2	2	27.15	6.72	85.9	7.18	0.214
1	3.8	3	2	26.91	4.12	52.4	6.83	0.215
2	1.8	1	1.8	27.16	6.37	81.4	6.99	0.213

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	1		19.7	7.5	82.9	6.82	0.172
1	3	2		19.57	7.61	83.9	6.8	0.172
2	1.8	1	1.8	19.2	7.3	79.9	6.78	0.171
outlet	0.1	0.1		19.4	7.56	83.1	6.97	0.171

-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 Name: Cedar Lake

County: MORRIS

SiteID: NJW04459-055

Municipality: DENVILLE TWP

Lake Profile Raw Data

Season: Spring

<i>Station</i>	<i>Tot Phos</i> <i>(mg/L)</i>	<i>TKN</i> <i>(mg/L)</i>	<i>Nitrite-Nitrate</i> <i>(mg/L)</i>	<i>Ammonia-N</i> <i>(mg/L)</i>	<i>Chl a</i> <i>(ug/L)</i>	<i>Alk</i> <i>(ppm)</i>	<i>Hard</i> <i>(ppm)</i>	<i>Turbidity</i> <i>(NTU)</i>
1	ND	0.482	0.140	0.125	4	13	44.642	2.11
2	0.013	0.562	0.136	0.143	4.6	12	44.142	1.44

Season: Summer

<i>Station</i>	<i>Tot Phos</i> <i>(mg/L)</i>	<i>TKN</i> <i>(mg/L)</i>	<i>Nitrite-Nitrate</i> <i>(mg/L)</i>	<i>Ammonia-N</i> <i>(mg/L)</i>	<i>Chl a</i> <i>(ug/L)</i>	<i>Alk</i> <i>(ppm)</i>	<i>Hard</i> <i>(ppm)</i>	<i>Turbidity</i> <i>(NTU)</i>
1	0.018	0.513	0.006	0.004	10	8	34.913	1.36
2	0.041	0.557	0.006	0.004	8.4	9	34.322	1.56

Season: Fall

<i>Station</i>	<i>Tot Phos</i> <i>(mg/L)</i>	<i>TKN</i> <i>(mg/L)</i>	<i>Nitrite-Nitrate</i> <i>(mg/L)</i>	<i>Ammonia-N</i> <i>(mg/L)</i>	<i>Chl a</i> <i>(ug/L)</i>	<i>Alk</i> <i>(ppm)</i>	<i>Hard</i> <i>(ppm)</i>	<i>Turbidity</i> <i>(NTU)</i>
1	0.022	0.346	0.004	0.026	8.8	6	31.161	1.03
2	0.022	0.358	0.007	0.044	4.6	6	30.753	0.95
outlet	0.027	0.344	0.006	0.040	6.6	6	30.913	0.84

Sample Device - Horizontal Polycarbonate Sampler

"ND" indicates the result is at a concentration below the analytical method's Reporting Limit (RL). See Volume 1, Methods.

-A blank parameter result means the parameter could not be analyzed due to laboratory error.