

# *AMBIENT LAKE MONITORING NETWORK*

**Lake Name:** Davis Mill pond  
**SiteID:** NJW04459-006

**County:** CUMBERLAND  
**Municipality:** STOW CREEK TWP

## *Surface to Bottom Profile*

**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	1.6	0.9	0.6	29.03	7.75	100.6	6.91	0.139
2	2.6	0.9	0.5	29.19	9.76	127.1	8.59	0.138
2	2.6	1.8	0.5	28.3	3.19	40.9	6.59	0.141
3	2.2	0.9	0.5	29.43	9.41	123.1	8.43	0.139
3	2.2	1.8	0.5	28.7	4.6	59.3	6.71	0.141
outlet	0.5	0.3		28.41	5.8	74.4	6.95	0.17

**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	1.5	0.9	0.4	23.55	6.5	75.6	6.84	0.144
2	2.6	0.9	0.4	24.26	7.76	91.6	7.39	0.143
2	2.6	1.8	0.4	24.11	6.63	78.2	6.98	0.144
3	2.2	0.9	0.5	24.04	7.27	85.3	7.03	0.143
3	2.2	1.8	0.5	23.98	6.85	80.4	6.91	0.144
outlet	0.6	0.3		23.77	6.23	72.8	6.8	0.232

*-Secchi measurements are not recorded for outlets.*

*-A blank Secchi measurement for lake stations means that an accurate measurement could not be recorded because visibility was obscured by vegetation.*

*-A blank parameter result means the parameter could not be measured due to a meter malfunction.*

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Lake Name: Davis Mill pond

County: CUMBERLAND

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## Lake Profile Raw Data

Season: Summer

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	50.6	0.842	0.026	0.022	76.5	25	50.2	17.9
2	46	0.828	0.01	0.025	86.0	25	48.5	10.6
3	< 38.41	0.734	0.064	0.016	66.0	24	48.7	10.8
outlet	< 38.41	0.887	0.044	0.045	90.9	26	51.1	16

Season: Fall

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	85.19	0.839	0.006	0.034	65.5	24	51.8	12.6
2	91.64	0.811	<0.006	0.029	69.1	26	51.7	12.7
3	71.55	0.8	<0.006	0.022	71.3	25	51.6	14
outlet	87.83	1.18	0.025	0.064	64.9	30	59.6	15.1

Sample Device - Horizontal Polycarbonate Sampler

"<" 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.