

AMBIENT LAKE MONITORING NETWORK

Lake Name: Davis Mill Pond

County: Cumberland

SiteID: NJW04459-006

Municipality: Stow Creek Twp

Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/1/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.071	0.43	1.33	0.032	18.41	12	42.8	19.9
2	0.049	0.451	1.43	0.0325	19.69	9	42.4	9.84
3	0.061	0.331	1.36	0.06	19.37	4	41.5	12.3

Season: Summer

Date sampled: 6/15/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.051	0.664	0.494	0.034	51.39	21	53.4	8.15
2	0.057	0.637	0.532	0.01	28.96	35	52.3	5.78
3	0.045	0.654	0.628	0.0454	23.15	8	51.9	5.93

Season: Fall

Date sampled: 9/2/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.076	1.05	0.00736	0.0421	52.78	ND	52	9.66
2	0.062	0.987	0.0126	0.0157	82.35	ND	52	9.93
3	0.057	0.949	0.2	0.0696	50.44	ND	52.1	8.21

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.

AMBIENT LAKE MONITORING NETWORK

Lake Name: Davis Mill Pond
SiteID: NJW04459-006

County: Cumberland
Municipality: Stow Creek Twp

Surface to Bottom Profile

Panel: 1 **Round:** 2

Season: Spring

Date sampled: 4/1/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.5	1	0.5	11.1	9.2	83	6.49	0.124
2	2.6	1	0.8	11.58	9.22	84.1	6.55	0.125
2	2.6	2	0.8	10.2	8.59	75.8	6.52	0.123
3	2.3	1	0.8	11.51	9.01	82.1	6.54	0.12
3	2.3	2	0.8	10.16	7.64	67.4	6.49	0.123

Season: Summer

Date sampled: 6/15/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.5	1	0.8	26.28	6.88	85.1	6.85	0.125
2	2.6	1	1	27.17	8.95	112	6.94	0.123
2	2.6	2	1	25.2	4.96	60	6.79	0.125
3	2.3	1	1	26.68	8.63	107.2	6.91	0.123
3	2.3	2	1	25.37	5.29	64.1	6.79	0.125

Season: Fall

Date sampled: 9/2/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.6	1	0.5	27.3	9.81	123.7	6.52	0.139
2	2.6	1	0.6	26.65	10.12	126.1	7.13	0.14
2	2.6	2	0.6	25.56	3.98	48.7	6.86	0.142
3	2.2	1	0.7	26.95	11.32	141.7	7.9	0.14
3	2.2	2	0.7	26.14	6.12	75.6	7.24	0.142

-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.