

AMBIENT LAKE MONITORING NETWORK

Lake Name: Dixons Pond

County: MORRIS

SiteID: NJW04459-264

Municipality: BOONTON TWP

Surface to Bottom Profile

Season: Spring

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.1	0.5	1	19.48	10.25	112.8	8.47	0.096
2	1.4	0.7	1.2	19.06	10.43	113.8	9.22	0.11
outlet	0.1	0.1		19.37	8.29	91	7.85	0.107

Season: Summer

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1	0.5	1	26.36	3.26	41	6.45	0.116
2	1.3	0.6	1.1	26.89	3.44	43.7	6.54	0.116
3	2	1	1.2	26.73	4.78	60.6	6.66	0.115
outlet	0.1	0.1		25.82	4.81	60	6.77	0.119

Season: Fall

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.0	0.5	1.0	18.96	8.13	89.6	7.33	0.096
2	1.3	0.7	1.3	19.31	10.11	112.2	8.44	0.118
3	2.0	1	2.0	19.02	8.67	95.6	7.32	0.112
outlet	0.2	0.2		19.21	8.24	91.2	7.54	0.111

-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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Municipality: BOONTON TWP

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	0.039	0.364	0.003	0.006	3.84	20.000	27.938	1.97
2	0.031	0.356	0.003	0.006	2.4	42.000	30.333	1.64
outlet	0.028	0.342	0.009	0.011	3.08	35.000	29.679	1.73

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	0.063	1.060	0.006	0.243		23.000	32.566	4.13
2	0.063	1.110	0.007	0.190	19.24	15.000	31.854	4.38
3	0.062	1.040	0.005	0.176	23.77	20.000	31.847	4.69
outlet	0.121	1.890	0.461	0.251	39.58	30.000	33.682	11.5

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	0.022	0.411	0.003	0.005	4.35	23.000	30.634	1.29
2	0.022	0.396	0.003	0.005	4.04	25.000	34.268	1.30
3	0.016	0.363	0.004	0.005	5.6	9.000	32.556	1.15
outlet	0.024	0.380	0.006	0.006	5.63	20.000	32.581	1.80

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.