

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Stag Pond

County: SUSSEX

SiteID: NJW04459-177

Municipality: BYRAM 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	7.1	1	4	15.84	7.48	76.4	7.76	0.06
1	7.1	2	4	15.68	7.38	75.1	7.75	0.06
1	7.1	3	4	13.89	8.09	79.2	7.73	0.059
1	7.1	4	4	10.01	5.2	46.8	7.68	0.059
1	7.1	5	4	8.45	1.67	14.4	7.52	0.059
1	7.1	6	4	7.37	0.9	7.6	7.37	0.062
1	7.1	7	4	7.07	0.5	4.2	6.87	0.11
2	1.3	0.6	1.3	14.43	5.03	49.8	7.06	0.085

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	7.4	1	4.0	27.01	6.2	80.1	6.65	0.06
1	7.4	2	4.0	25.84	5.41	68.4	6.64	0.06
1	7.4	3	4.0	22.06	0.91	10.7	6.51	0.063
1	7.4	4	4.0	16.84	0.4	4.2	6.48	0.065
1	7.4	5	4.0	12.31	0.7	6.7	6.47	0.064
1	7.4	6	4.0	9.52	0.22	2	6.34	0.074
1	7.4	6.5	4.0	8.7	0.12	1	6.29	0.094
1	7.4	7	4.0	8.65	0.15	1.3	6.19	0.157
2	1.7	1	1.7	26.12	2.81	35.8	6.35	0.061

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	7.3	1	1.8	11.01	5.87	54.4	7.55	0.061
1	7.3	2	1.8	10.64	4.8	44.1	7.34	0.061
1	7.3	3	1.8	10.56	4.7	43.1	7.25	0.061
1	7.3	4	1.8	10.54	4.52	41.4	7.18	0.061
1	7.3	5	1.8	10.52	4.48	41.1	7.14	0.061
1	7.3	6	1.8	10.39	3.12	28.6	7.06	0.062
1	7.3	7	1.8	9.92	0.13	1.2	6.45	0.115
2	1.6	1	1.6	8.5	4.69	41	6.84	0.058

-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	0.028	0.421	0.0063	0.0104	6.78	25	30.2	0.77
1A	0.036	0.323	0.0063	0.0137	12.69	15	30.2	0.98
2	0.043	0.514	0.0063	0.008	5.1	0.5	41	1.2

### 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	0.014	0.422	0.00630	0.00778	4.32	24	30.8	0.52
1A	0.118	1.30	0.00630	0.28	114.58	34	36.9	13.0
2	0.031	0.451	0.00944	0.00778	9.67	24	31.1	1.12

### 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	0.045	0.591	0.0063	0.017	35.24	25	33.3	1.8
2	0.039	0.447	0.0063	0.0166	20.31	22	29.1	1.44

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.