

AMBIENT LAKE MONITORING NETWORK

Lake Name: Allamuchy Pond

County: WARREN

SiteID: NJW04459-165

Municipality: ALLAMUCHY 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	7.4	1	3.3	19.05	10.16	111.9	8.8	0.312
1	7.4	2	3.3	13.93	11.35	112.2	9.02	0.316
1	7.4	3	3.3	11.5	11.2	104.9	9.01	0.317
1	7.4	4	3.3	8.89	10.8	95.2	8.85	0.325
1	7.4	5	3.3	7.97	9.64	83.3	8.61	0.332
1	7.4	6	3.3	6.83	4.7	39.6	8.21	0.361
1	7.4	7	3.3	6.29	0.2	1.7	7.73	0.393
1a	7.4	6.5	3.3	6.49	0.72	6	7.95	0.381
2	3.0	1	2.6	19.87	10.28	115.2	9.24	0.31
2	3.0	2	2.6	18.35	13.57	147.5	9.42	0.297

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	4.8	1	2.0	22.77	7.76	91.8	8.37	0.287
1	4.8	2	2.0	22.51	5.88	69.2	8.43	0.288
1	4.8	3	2.0	17.11	1.1	11.7	7.96	0.31
1	4.8	4.1	2.0	14.09	0.22	2.3	7.73	0.335
1	4.8	4.5	2.0	11.19	0.1	1	7.55	0.353
2	4.2	1	2.1	23.56	7.75	93.1	8.61	0.287
2	4.2	2	2.1	22.38	6.48	76.1	8.52	0.284
2	4.2	3	2.1	17.7	0.67	7.2	8.06	0.309
2	4.2	3.5	2.1	14.55	0.26	2.7	7.72	0.329
2	4.2	4	2.1	13.31	0.24	2.3	7.82	0.342

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	4.5	1	2.0	17.66	7.45	80.8	8.29	0.344
1	4.5	2	2.0	17.63	7.29	78.9	8.15	0.343
1	4.5	3	2.0	17.59	7.04	76.2	8.15	0.345
1	4.5	4	2.0	17.41	6.87	74.1	8.14	0.346
2	4.4	1	2.2	17.72	7.31	79.4	8.19	0.342
2	4.4	2	2.2	17.62	7.31	79.2	8.23	0.342
2	4.4	3	2.2	17.56	7.37	79.8	8.24	0.343
2	4.4	4	2.2	17.45	6.81	73.1	8.23	0.343

-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.

AMBIENT LAKE MONITORING NETWORK

Lake Name: Allamuchy Pond

County: WARREN

SiteID: NJW04459-165

Municipality: ALLAMUCHY 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	0.025	0.51	0.0063	0.00778	14.17	92	124	2.23
1A	0.041	0.746	0.0063	0.1510	10.87	92	126	1.87
2	0.027	0.523	0.0063	0.00778	16.49	89	118	1.95

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	0.035	0.78	0.0063	0.0078	14.32	95	119	4.38
1A	0.037	0.649	0.0063	0.828	16.01	99	126	2.93
2	0.011	0.707	0.0063	0.0078	22.67	84	122	3.51
2A	0.03	1.16	0.0063	0.486	51.89	59	126	10.4

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	0.027	0.644	0.0284	0.015	22.12	62	138	5.29
2	0.033	0.574	0.0063	0.0184	23.05	100	135	4.62

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.