

AMBIENT LAKE MONITORING NETWORK

Lake Name: East Lake

County: MORRIS

SiteID: NJW04459-160

Municipality: KINNELON BORO

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	2	14.88	8.83	90.8	6.72	0.428
1	7.4	2	2	14.78	8.68	89.1	6.62	0.428
1	7.4	2.9	2	11.87	9.08	87.4	6.55	0.476
1	7.4	4.1	2	8.58	4.96	44.3	6.44	0.496
1	7.4	6	2	7.04	0.61	5.3	6.24	0.516
1	7.4	7	2	6.64	0.46	3.9	6.19	0.542
1A	7.5	5	2	7.55	2.27	19.7	6.34	0.501
2	5.5	1	2.4	14.77	8.01	82.1	6.87	0.429
2	5.5	2	2.4	13.63	7.43	74.4	6.77	0.442
2	5.5	3	2.4	12.18	8.8	85.3	6.67	0.471
2	5.5	4	2.4	9.15	6.36	57.4	6.57	0.488
2A	5.5	5	2.4	7.25	1.36	11.7	6.34	0.509

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	7.0	1	3.4	24.78	7.48	92.3	7.17	0.439
1	7.0	2	3.4	23.83	7.5	90.9	7.41	0.439
1	7.0	3	3.4	21.81	4.88	56.7	7.19	0.46
1	7.0	4	3.4	14.02	1	9.9	6.99	0.51
1	7.0	5	3.4	10.32	5.67	51.8	7.01	0.518
1A	7.0	6	3.4	8.09	0.88	7.7	6.8	0.564
2	4.8	1	2.8	23.91	7.49	90.9	6.56	0.439
2	4.8	2	2.8	23.64	6.7	80.8	6.81	0.44
2	4.8	3	2.8	21.17	3.99	45.9	6.76	0.469
2	4.8	4	2.8	14.28	0.92	9.1	6.69	0.51
2A	4.8	4.5	2.8	11.48	2.37	22.6	6.75	0.514

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	7.2	1	5.7	13.08	7.41	71.5	7.25	0.438
1	7.2	2	5.7	12.99	7.07	68.1	7.23	0.44
1	7.2	3	5.7	12.96	6.93	66.7	7.21	0.441
1	7.2	4	5.7	12.91	7.04	67.6	7.2	0.44
1	7.2	5	5.7	12.71	6.87	65.7	7.17	0.443
1	7.2	6	5.7	12.19	0.84	7.9	6.86	0.498
1	7.2	7	5.7	8.5	0.23	2	6.65	0.598
2	5.3	1	5.3	12.95	7.61	73.2	7.07	0.437
2	5.3	2	5.3	12.87	7.41	71.2	7.09	0.437
2	5.3	3	5.3	12.83	7.33	70.3	7.1	0.437
2	5.3	4	5.3	12.72	7.45	71.3	7.11	0.437
2	5.3	5	5.3	12.71	7.41	70.9	7.12	0.436

-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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SiteID: NJW04459-160

Municipality: KINNELON BORO

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	0.04	0.716	0.463	0.055	17.06	42.000	72.478	2.47
1A	0.036	0.770	0.600	0.326	4.79	40.000	83.629	1.53
2	0.037	0.687	0.456	0.058	10.3	25.000	72.352	2.88
2A	0.044	0.604	0.613	0.272	2.38	40.000	80.267	1.82

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	0.022	0.054	0.089	0.018	6.36	45.000	80.643	1.39
1A	0.108	0.061	0.054	0.562	73.72	30.000	98.301	8.74
2	0.019	0.054	0.012	0.017	6.62	56.000	78.859	1.37
2A	0.063	0.054	0.080	0.014	55.13	58.000	88.022	7.09

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	0.02	0.685	0.082	0.118	4.04	49.000	77.685	0.78
2	0.019	0.512	0.080	0.103	5.54	37.000	76.771	0.77

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.