

AMBIENT LAKE MONITORING NETWORK

Lake Name: Iliff Lake
SiteID: NJW04459-267

County: SUSSEX
Municipality: ANDOVER 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	6.9	1	3.7	19.82	9.83	110.7	8.22	0.451
1	6.9	2	3.7	19.71	9.79	109.9	8.05	0.45
1	6.9	3	3.7	15.18	11.47	117.3	7.84	0.449
1	6.9	4	3.7	12.1	11.47	109.6	7.72	0.464
1	6.9	5	3.7	9.31	3.12	27.9	7.29	0.473
1A	6.9	6	3.7	8.13	0.51	4.5	6.99	0.48
2	9.7	1	3.8	19.59	9.68	108.6	8.25	0.453
2	9.7	2	3.8	17.74	10.99	118.6	8.12	0.45
2	9.7	3	3.8	15.19	11.55	118.1	8.02	0.447
2	9.7	4	3.8	12	11.77	112.2	7.83	0.464
2	9.7	5	3.8	9.27	3.65	32.7	7.28	0.474
2	9.7	6	3.8	7.88	0.65	5.7	6.96	0.482
2	9.7	8	3.8	6.66	0.25	2.1	6.85	0.505
2	9.7	9	3.8	6.3	0.21	1.8	6.8	0.528
2A	9.7	7	3.8	7.27	0.35	3	6.9	0.49
outlet	0.3	0.3		21.5	10.99	127.9	8.49	0.445

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	6.7	1	2.2	23.76	6.5	77.8	7.33	0.516
1	6.7	2	2.2	23.64	6.5	77.7	7.62	0.517
1	6.7	3	2.2	23.16	4.06	48.1	7.52	0.519
1	6.7	4	2.2	20.16	3.49	39	7.44	0.501
1	6.7	5	2.2	15.07	0.73	7.3	7.34	0.495
1A	6.7	6	2.2	11.61	0.19	1.8	7.22	0.508
2	9.5	1	2.1	23.92	7.05	84.7	7.89	0.516
2	9.5	2	2.1	23.68	6.71	80.2	7.87	0.516
2	9.5	3	2.1	23.12	5.15	61	7.68	0.514
2	9.5	4	2.1	20.52	4.19	47.2	7.57	0.501
2	9.5	5	2.1	15.11	2.1	21.2	7.48	0.495
2	9.5	6	2.1	11.25	0.5	4.6	7.33	0.52
2	9.5	7	2.1	8.66	0.24	2.1	7.29	0.55
2	9.5	8	2.1	7.58	0.16	1.3	7.19	0.572
2	9.5	9	2.1	7.15	0.14	1.2	7.06	0.613
2A	9.5	8.5	2.1	7.28	0.06	0.5	7.07	0.598
outlet	0.3	0.3		23.65	4.75	56.8	7.61	0.519

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	6.9	1	1.7	12.52	5.45	51.2	7.31	0.518
1	6.9	2	1.7	12.44	5.5	51.5	7.37	0.517
1	6.9	3	1.7	12.38	5.51	51.6	7.41	0.516
1	6.9	4	1.7	12.31	5.52	51.6	7.46	0.516
1	6.9	5	1.7	12.11	5.18	48.2	7.46	0.517
1	6.9	6	1.7	11.82	5.29	49	7.47	0.518
2	9.7	1	1.5	12.59	5.05	47.5	7.47	0.519
2	9.7	2	1.5	12.51	5.12	48.1	7.48	0.518
2	9.7	3	1.5	12.5	5.18	48.6	7.48	0.517
2	9.7	4	1.5	12.5	5.09	47.8	7.48	0.518
2	9.7	5	1.5	12.45	5	46.9	7.48	0.518
2	9.7	6	1.5	12.42	5.03	47.2	7.48	0.518
2	9.7	7	1.5	11.85	1.93	17.9	7.28	0.538
2	9.7	8	1.5	8.56	0.23	2	7	0.608
2A	9.7	9	1.5	7.87	0.15	1.3	6.9	0.645

-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 Name: Iliff Lake

County: SUSSEX

SiteID: NJW04459-267

Municipality: ANDOVER 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	0.448	0.010	0.002	6.14	132.0	196.400	0.8
1A	0.039	0.676	0.006	0.003	41.41	129.0	194.900	2.51
2	0.017	0.361	0.007	0.002	5.76	152.0	197.100	0.9
2A	0.05	1.260	0.011	0.399	65.03	101.0	193.500	9.48
outlet	0.017	0.421	0.010	0.002	4.47	99.000	193.800	0.89

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	0.02	0.499	0.003	0.002	8.9	49.000	216.200	1.45
1A	0.071	0.947	0.005	0.076	93.19	95.000	201.500	9.08
2	0.016	0.478	0.003	0.002	8.4	132.0	217.000	1.51
2A	0.203	3.050	0.006	1.540	66.49	152.0	210.600	13.4
outlet	0.024	0.590	0.004	0.002	6.28	185.0	218.600	1.31

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	0.033	0.509	0.005	0.034	14.59	102.0	205.300	3.51
2	0.023	0.619	0.004	0.072	16.53	68.000	197.900	3.36
2A	0.51	4.950	0.004	4.310	68.17	95.000	210.500	13.1

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.