

AMBIENT LAKE MONITORING NETWORK

Lake Name: Lake Mohawk

County: SUSSEX

SiteID: NJW04459-093

Municipality: SPARTA 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	6.2	1	1.8	19.72	9.1	102	8.32	0.556
1	6.2	2	1.8	19.32	9.09	101	8.29	0.555
1	6.2	3	1.8	19.2	8.8	97.6	8.23	0.556
1	6.2	4	1.8	19.12	8.59	95.1	8.2	0.557
1	6.2	5	1.8	18.94	8.23	90.8	8.11	0.559
1	6.2	6	1.8	18.52	7.47	81.7	7.96	0.564
2	5	1	2.2	19.68	9.11	102.1	8.27	0.555
2	5	2	2.2	19.09	9.26	102.4	8.23	0.554
2	5	3	2.2	18.84	8.64	95.2	8.12	0.556
outlet	0.1	1		20.4	9.01	102.4	8.28	0.554

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	5.7	1	1.1	26.52	7.45	95.1	8.15	0.533
1	5.7	2	1.1	26.32	7.27	92.5	8.1	0.533
1	5.7	3	1.1	26.09	6.19	78.4	7.91	0.535
1	5.7	4	1.1	25.29	3.07	38.3	7.53	0.535
1	5.7	5	1.1	24.86	0.62	7.6	7.32	0.537
2	4.1	1	1.1	26.4	8.04	102.5	8.26	0.533
2	4.1	2	1.1	25.74	6.77	85.3	8.01	0.534
2	4.1	3	1.1	25.38	4.53	56.7	7.67	0.534
2	4.1	4	1.1	24.77	0.43	5.3	7.28	0.536
outlet	0.3	0.3		27.97	7.78	101.9	8.17	0.53

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	5.7	1	1.5	17.59	6.56	69.9	7.95	0.545
1	5.7	2	1.5	17.5	6.28	66.9	7.88	0.547
1	5.7	3	1.5	17.47	6.06	64.5	7.83	0.549
1	5.7	4	1.5	17.45	5.91	62.8	7.8	0.548
1	5.7	5	1.5	17.27	4.56	48.3	7.65	0.549
2	4.2	1		17.44	7.96	84.6	8.2	0.543
2	4.2	2		17.35	7.68	81.4	8.13	0.545
2	4.2	3		17.16	6.86	72.5	8	0.546
2	4.2	4		16.87	3.64	38.3	7.65	0.548
outlet	0.3	0.3		17.71	7.23	77.3	7.81	0.549

-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: Lake Mohawk

County: SUSSEX

SiteID: NJW04459-093

Municipality: SPARTA 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	0.028	0.415	0.026	0.005	21.4	92.000	159.400	4.97
2	0.036	0.427	0.026	0.005	23.2	111.0	160.700	3.64
outlet	0.034	0.440	0.041	0.010	19.1	106.0	162.200	3.95

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	0.058	0.418	0.047	0.014	23.62	92.000	153.200	5.88
2	0.067	0.515	0.039	0.015	30.69	122.0	154.100	6.12
outlet	0.056	0.503	0.044	0.015	15.9	107.0	149.700	4.85

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	0.039	0.585	0.046	0.083	31.06	112.0	165.600	3.27
2	0.033	0.559	0.050	0.040	29.64	104.0	164.300	3.36
outlet	0.026	0.524	0.053	0.114	21.34	95.000	161.000	3.35

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.