

AMBIENT LAKE MONITORING NETWORK

Lake Name: Mountain Lake
 SiteID: NJW04459-262

County: WARREN
 Municipality: LIBERTY 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	11.3	1	1.9	15	9.64	96.3	8.44	0.291
1	11.3	10	1.9	6.49	2.08	17.1	7.53	0.297
1	11.3	11	1.9	6.41	0.82	6.7	7.47	0.3
1	11.3	2	1.9	14.89	9.56	95.3	8.46	0.293
1	11.3	3	1.9	13.59	11.62	112.5	8.54	0.291
1	11.3	4	1.9	10.49	14.24	128.5	8.71	0.286
1	11.3	5	1.9	8.4	12.68	109	8.54	0.289
1	11.3	6	1.9	7.53	8.47	70.9	7.91	0.292
1	11.3	7	1.9	7.05	8.02	66.7	7.85	0.291
1	11.3	9	1.9	6.6	5.43	44.6	7.66	0.293
1A	11.3	8	1.9	6.74	7.17	59.1	7.74	0.291
2	5.2	1	1.8	15.11	9.5	95.2	8.5	0.294
2	5.2	2	1.8	15.05	9.42	94.2	8.53	0.294
2	5.2	3	1.8	14.4	8.91	87.9	8.48	0.297
2	5.2	5	1.8	9	0.29	2.5	7.8	0.3
2A	5.2	4	1.8	9.58	12.59	111.3	8.65	0.29
outlet	0.3	0.3		14.07	9.34	91.5	8.04	0.302

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	11	1	1.6	26.92	9.45	119.2	8.79	0.325
1	11	2	1.6	26.58	9.91	124.3	8.76	0.325
1	11	3	1.6	26.43	9.52	119	8.69	0.326
1	11	4	1.6	23.33	15.92	187.9	8.84	0.319
1	11	5	1.6	16.3	11.98	122.9	8.4	0.325
1	11	6	1.6	11.78	5.78	53.7	7.79	0.325
1	11	7	1.6	9.42	0.23	2	7.36	0.307
1	11	8	1.6	8.07	0.17	1.5	7.28	0.347
1	11	9	1.6	7.25	0.13	1.1	7.21	0.353
1A	11	10	1.6	6.87	0.08	0.7	7.1	0.366
2	6.5	1	1.4	26.58	8.86	111.1	8.62	0.323
2	6.5	2	1.4	26.43	8.97	112.1	8.73	0.325
2	6.5	3	1.4	26.1	7.43	92.3	8.48	0.327
2	6.5	4	1.4	22.49	13.65	158.6	8.69	0.324
2	6.5	5	1.4	16.31	6.79	69.8	7.75	0.33
2A	6.5	6	1.4	12.62	1.77	17	7.53	0.324
outlet	0.2	0.2		24.24	5.12	61.5	6.81	0.325

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	11.5	1	1.8	19.62	9.03	100.7	8.44	0.308
1	11.5	10	1.8	7.56	0.11	1	6.73	0.37
1	11.5	2	1.8	19.56	9.18	102.2	8.55	0.308
1	11.5	3	1.8	19.36	8.7	97	8.51	0.309
1	11.5	4	1.8	19.26	8.27	91.6	8.43	0.31
1	11.5	5	1.8	18.89	6.92	76	8.05	0.314
1	11.5	6	1.8	16.18	1.11	11.5	7.45	0.33
1	11.5	8	1.8	8.76	0.18	1.6	6.95	0.355
1	11.5	9	1.8	8.02	0.14	1.2	6.83	0.36
1A	11.5	7	1.8	11.36	0.31	3.1	7.15	0.343
2	6.4	1	1.8	19.57	8.77	97.6	8.94	0.305
2	6.4	2	1.8	19.4	8.6	95.4	8.76	0.307
2	6.4	3	1.8	19.32	8.35	92.5	8.61	0.308
2	6.4	4	1.8	19.23	7.84	86.7	8.47	0.31
2	6.4	5	1.8	18.41	4.37	46.2	7.82	0.311
2	6.4	6	1.8	16.06	0.67	6.4	7.41	0.33
outlet	0.1	0.1		19.04	6.74	74.2	7.75	0.311

-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: Mountain Lake

County: WARREN

SiteID: NJW04459-262

Municipality: LIBERTY 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	0.013	0.261	0.007	0.005	7.78	95.000	135.900	3.01
1A	0.019	0.294	0.036	0.012	11.16	100.000	131.100	3.13
2	0.014	0.289	0.004	0.005	7.16	72.000	134.700	2.89
2A	0.021	0.315	0.004	0.005	13.06	116.0	132.200	5.28
outlet	0.015	0.266	0.032	0.006	6.32	102.0	138.900	3.04

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	ND	0.353	0.007	0.002	13.37	98.000	136.100	1.97
1A	0.373	2.170	0.010	1.490	16.63	137.0	139.300	12.7
2	0.016	0.409	0.006	0.002	15.74	110.0	136.000	2.25
2A	0.038	0.542	0.005	0.002	29.07	80.000	131.400	5.24
outlet	0.011	0.387	0.022	0.011	9.02	58.000	132.400	1.52

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	0.017	0.478	0.003	0.002	20.92	75.000	135.000	4.34
1A	0.027	0.541	0.005	0.115	33.76	92.000	140.300	4.78
2	0.017	0.485	0.003	0.002	22.13	111.0	133.600	4.32
outlet	0.023	0.634	0.003	0.005	22.21	65.000	130.400	3.67

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.