

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Sunfish Pond  
 SiteID: NJW04459-142

County: WARREN  
 Municipality: HARDWICK 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	9.1	0.9	8.3	16.95	8.88	95.1	4.26	0.027
1	9.1	2	8.3	16.58	8.86	94.1	3.97	0.028
1	9.1	3	8.3	15.34	9.29	96.1	3.89	0.028
1	9.1	4	8.3	14.61	9.39	95.6	3.81	0.028
1	9.1	5	8.3	14.23	9.26	93.5	3.81	0.028
1	9.1	6	8.3	13.96	9.17	92.1	3.8	0.028
1	9.1	7	8.3	13.69	9.19	91.7	3.81	0.028
1	9.1	8	8.3	13.18	8.71	85.9	3.79	0.028
1	9.1	9	8.3	12.95	8.24	80.9	3.75	0.028
2	7.7	1	7.7	17.16	8.51	91.4	4.31	0.027
2	7.7	2	7.7	17.01	8.44	90.6	4.13	0.027
2	7.7	3	7.7	15.43	8.9	92.2	3.99	0.027
2	7.7	4	7.7	14.51	9.06	92	3.94	0.028
2	7.7	5	7.7	14.22	9.08	91.6	3.9	0.028
2	7.7	6	7.7	14	9.04	90.9	3.84	0.028
2	7.7	7	7.7	13.75	8.76	87.5	3.83	0.028
outlet	0.1	0.1		17.29	8.23	88.7	4.38	0.028

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	8.6	1	7.2	23.7	6.74	83.9	4.94	0.025
1	8.6	2	7.2	23.64	6.77	84.1	4.93	0.025
1	8.6	3	7.2	23.6	6.59	81.7	4.91	0.025
1	8.6	4	7.2	23.53	6.59	81.6	4.9	0.025
1	8.6	5	7.2	23.41	6.61	81.8	4.9	0.025
1	8.6	6	7.2	23.4	6.65	82.2	4.9	0.025
1	8.6	7	7.2	23.1	6.26	77	4.89	0.025
1A	8.6	8	7.2	20.67	0.94	10.9	4.78	0.023
2	7.6	1	6.5	23.58	6.97	86.5	4.91	0.025
2	7.6	2	6.5	23.56	6.9	85.6	4.9	0.025
2	7.6	3	6.5	23.52	6.8	84.3	4.89	0.025
2	7.6	4	6.5	23.46	6.85	84.9	4.89	0.025
2	7.6	5	6.5	23.42	6.6	81.6	4.88	0.025
2	7.6	6	6.5	23.31	6.38	78.7	4.9	0.025
2	7.6	7	6.5	23.17	6.32	77.8	4.95	0.024

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	8.9	1	5.2	9.31	10.02	90.5	5	0.027
1	8.9	2	5.2	9.3	10	90.3	4.97	0.027
1	8.9	3	5.2	9.28	10	90.2	4.97	0.027
1	8.9	4	5.2	9.1	10	89.8	4.97	0.027
1	8.9	5	5.2	9.07	9.84	88.3	4.97	0.027
1	8.9	6	5.2	9.07	9.76	87.6	4.96	0.027
1	8.9	7	5.2	9.07	9.76	87.6	4.96	0.027
1	8.9	8	5.2	9.07	9.72	87.2	4.96	0.027
2	7.8	1	5.5	9.53	10.03	91	4.98	0.027
2	7.8	2	5.5	9.51	10.04	91	4.97	0.027
2	7.8	3	5.5	9.5	9.98	90.5	4.96	0.027
2	7.8	4	5.5	9.49	10	90.6	4.96	0.027
2	7.8	5	5.5	9.13	9.82	88.2	4.95	0.027
2	7.8	6	5.5	9.09	9.82	88.2	4.96	0.027
2	7.8	7	5.5	9.08	9.81	88	4.96	0.027
outlet	0.1	0.1		9.82	9.9	90.5	4.95	0.027

-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: Sunfish Pond

County: WARREN

SiteID: NJW04459-142

Municipality: HARDWICK 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	0.019	0.054	0.008	0.002	1.01	1.000	7.309	0.56
2	0.028	0.144	0.005	0.002	1.01	2.000	7.089	0.65
outlet	0.013	0.188	0.013	0.011	0.86	4.000	7.131	0.49

### 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	0.054	0.009	0.002	4.15	1.000	6.902	1.14
1A	0.014	0.054	0.011	0.002	8.73	1.000	6.495	1.34
2	0.018	0.054	0.009	0.002	5.95	4.000	6.674	0.8
outlet	0.017	0.054	0.019	0.002	2.75	1.000	6.819	0.56

### 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	0.011	0.090	0.006	0.026	3.14	1.000	7.213	0.97
2	0.011	0.075	0.007	0.034	2.56	4.000	7.147	1.20
outlet	ND	0.027	0.008	0.029	1.75	2.000	7.287	0.87

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.