

AMBIENT LAKE MONITORING NETWORK

Lake Name: Spring Valley Lake

County: WARREN

SiteID: NJW04459-122

Municipality: HARDWICK TWP

Surface to Bottom Profile

Season: Spring

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	1.7	1	1.7	14.01	10.58	104.2	7.71	0.37
outlet	0.1	0.1		15.8	13.16	135.5	7.84	0.361

Season: Summer

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	2.4	0.5	2.1	22.83	13.55	160.6	8.17	0.391
1	2.4	1	2.1	18.49	15.33	166.7	7.64	0.397
1	2.4	2	2.1	16.08	5.42	56.1	7.27	0.441
outlet	0.1	0.1		23.23	7.82	93.4	7.98	0.39

Season: Fall

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	2.0	0.5	1.0	14.85	14.22	141.7	8.29	0.42
1	2.0	1	1.0	14.5	11.19	110.6	8.04	0.433
1	2.0	1.5	1.0	13.97	7.74	75.6	7.73	0.477

-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 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	ND	0.279	0.157	0.002	13.77	55.000	169.300	1.67
outlet	0.013	0.271	0.082	0.020	17.39	74.000	171.500	2.29

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	0.016	0.305	0.021	0.015	13.58	162.0	188.100	1.32
1A	0.016	0.413	0.090	0.014	23.55	48.000	196.200	2.16
outlet	0.018	0.295	0.049	0.014	10.6	150.0	192.100	1.23

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	0.021	0.367	0.006	0.002	22.68	190.0	194.500	1.09

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.