

# ***AMBIENT LAKE MONITORING NETWORK***

**Lake Name:** Saginaw Lake

**County:** SUSSEX

**SiteID:** NJW04459-064

**Municipality:** SPARTA 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	3.8	1	2.5	14.75	7.7	79.7	7.5	0.475
1	3.8	2	2.5	14.09	7.86	80.2	7.45	0.412
1	3.8	3	2.5	12.93	7.91	78.7	7.45	0.415
outlet	0.1	0.1		15.01	8.36	87.1	7.56	0.484

**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	3.6	1	2	24.33	7.16	87.7	7.81	0.462
1	3.6	2	2	23.88	5.04	61.2	7.39	0.472
1	3.6	3	2	22.42	1.22	14.4	7	0.458
outlet	0.1	0.1		20.32	5.07	57.5	7.33	0.574

**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	3.7	1	1.4	15.94	7.85	81.7	7.73	0.53
1	3.7	2	1.4	15.39	7.68	79	7.64	0.535
1	3.7	3	1.4	14.98	4.83	49.3	7.39	0.548
outlet	0.1	0.1		16.04	6.3	65.8	7.5	0.597

*-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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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	0.006	0.549	0.036	0.024	4.5	146.0	83.358	1.83
outlet	0.017	0.518	0.035	0.027	2.6	31	82.477	2.02

### 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	0.027	.549	.066	.009	13.8	84	102.434	1.52
outlet	0.065	.606	.200	.117	6.9	109	145.410	2.67

### 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	0.028	0.399	0.002	0.009	24.7	80	104.1	3.09
outlet	0.029	0.349	0.099	0.058	9.5	98	129.3	1.82

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.