

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Sunset Lake  
SiteID: NJW04459-040

County: SOMERSET  
Municipality: BRIDGEWATER TWP

## Surface to Bottom Profile

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	3.2	0.9	0.9	25.61	6.31	79.6	7.76	0.399
1	3.2	1.8	0.9	25.46	5.23	65.9	7.55	0.4
1	3.2	2.7	0.9	24.47	0.13	1.6	6.77	0.414
2	2.6	0.9	0.7	26.19	8.2	104.6	8.25	0.397
2	2.6	1.8	0.7	26.11	7.6	96.8	8.19	0.398
outlet	0.3	0.2		25.66	4.55	57.5	7.17	0.415

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	3.6	0.9	0.7	10.87	9.3	84.2	7.33	0.222
1	3.6	1.8	0.7	10.86	9.13	83.7	7.23	0.223
1	3.6	2.7	0.7	10.74	9.11	83.9	7.18	0.226
2	2.1	0.9	0.9	10.66	9.68	87.6	7.11	0.223
2	2.1	1.8	0.9	10.66	9.48	85.9	7.11	0.224
outlet	0.3	0.2		10.96	10.76	98.8	7.56	0.226

-Secchi measurements are not recorded for outlets.

-A blank Secchi measurement for lake stations means that an accurate measurement could not be recorded because visibility was obscured by vegetation.

-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:** Summer

<i>Station</i>	<i>Tot Phos</i> <i>(ug/L)</i>	<i>TKN</i> <i>(mg/L)</i>	<i>Nitrite-Nitrate</i> <i>(mg/L)</i>	<i>Ammonia-N</i> <i>(mg/L)</i>	<i>Chl a</i> <i>(ug/L)</i>	<i>Alk</i> <i>(ppm)</i>	<i>Hard</i> <i>(ppm)</i>	<i>Turbidity</i> <i>(NTU)</i>
1	53.98	0.431	<0.006	0.027	58.1	215	133.3	7.53
2	62.44	0.507	<0.006	0.028	117.5	218	134	9.62
outlet	64.88	0.538	0.007	0.034	47.4	215	133.1	6.41

**Season:** Fall

<i>Station</i>	<i>Tot Phos</i> <i>(ug/L)</i>	<i>TKN</i> <i>(mg/L)</i>	<i>Nitrite-Nitrate</i> <i>(mg/L)</i>	<i>Ammonia-N</i> <i>(mg/L)</i>	<i>Chl a</i> <i>(ug/L)</i>	<i>Alk</i> <i>(ppm)</i>	<i>Hard</i> <i>(ppm)</i>	<i>Turbidity</i> <i>(NTU)</i>
1	35.97	0.493	0.764	0.015	4.8	38	69.4	8.82
2	36.72	0.438	0.783	0.012	4.6	41	69.4	8.94
outlet	35.12	0.461	0.76	0.017	2.2	35	69.4	9.29

*Sample Device - Horizontal Polycarbonate Sampler*

*"<" 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.*