

AMBIENT LAKE MONITORING NETWORK

Lake Name: Bells Lake

County: GLOUCESTER

SiteID: NJW04459-078

Municipality: WASHINGTON 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	1.2	1	1.2	13.24	9.11	85.9	6.85	0.156
2	2.3	1	1.5	14.08	10.73	102.8	7.31	0.152
2	2.3	2	1.5	12.85	9.19	85.8	6.85	0.152
outlet	0.1	0.1		14.2	9.42	90.6	7.18	0.151

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	1.3	1	1.2	21.96	3.36	38.3	6.4	0.124
2	2.3	1	1.1	23.78	4.32	51	6.55	0.124
2	2.3	2	1.1	23.15	0.94	10.7	6.45	0.109
outlet	0.2	0.2		23.95	6.93	82.1	6.79	0.126

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	0.9	0.5	0.9	18.25	7.69	80.4	6.69	0.174
2	2.2	1	1	20.67	8.36	91.7	6.84	0.13
2	2.2	2	1	20.45	4.65	50.8	6.55	0.136
outlet	0.1	0.1		20.58	7.9	86.5	6.91	0.128

-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	0.022	0.354	0.840	0.045	15.3	18	43.865	2.98
2	0.012	0.346	0.598	0.019	18.3	18	41.293	2.36
outlet	0.016	0.341	0.578	0.032	23.3	19	38.244	2.4

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	0.04	0.700	0.388	0.186	5.5	18	31.053	3.68
2	0.03	0.657	0.239	0.134	11.7	13	30.017	3.93
outlet	0.047	0.640	0.236	0.136	13.4	19	29.393	4.03

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	0.044	1.080	0.454	0.023	40.5	19	36.156	8.41
2	0.033	0.743	0.212	0.022	35.4	20	31.901	6.75
outlet	0.024	0.664	0.211	0.063	37.9	19	32.026	6.14

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.