

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Kings Grant Lake

County: BURLINGTON

SiteID: NJW04459-251

Municipality: EVESHAM 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	1.1	0.5	0.7	7.97	9.95	84.5	5.07	0.078
2	1.6	1	0.7	8.09	9.99	85.1	5.14	0.079
outlet	1.3	0.6		7.92	10.73	91.1	5.65	0.08

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	1.1	0.5	0.4	24.8	5.69	68	6.07	0.106
2	1.6	1	0.6	23.85	5.12	60.1	6.15	0.104
outlet	0.9	0.5		24.64	5.73	68.3	6.26	0.109

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	1	0.5	0.3	20.72	8.04	88.3	6.18	0.114
2	1.3	1	0.3	19.73	7.1	76.4	6.38	0.114
outlet	0.8	0.4		19.57	4.59	49.2	6.27	0.117

-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	0.017	0.423	0.094	0.030	3.0	2.000	3.375	5.32
2	0.024	0.458	0.095	0.032	2.6	3.100	12.328	5.23
outlet	0.026	0.432	0.088	0.045	2.5	3.100	12.337	5.07

### 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	0.081	0.878	0.069	0.114	17.2	33.000	19.382	10.1
2	0.08	0.831	0.057	0.119	13.5	68.000	20.003	10.5
outlet	0.093	0.951	0.067	0.204	16.3	20.000	21.382	11.7

### 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	0.089	1.850	0.018	0.077	79.63	7.000	22.669	28.0
2	0.097	1.730	0.016	0.084	67.78	2.000	22.486	23.1
outlet	0.102	1.690	0.039	0.122	63.27	10.000	24.484	20.2

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.