

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Clarks Pond

County: ESSEX

SiteID: NJW04459-147

Municipality: BLOOMFIELD 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	1.9	1	1.6	14.39	5.14	50.6	7.55	0.714
outlet	0.1	0.1		15.52	10.91	110	7.54	0.739

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	1.8	1	0.9	25.12	1.41	16.9	7.17	0.669
outlet	0.1	0.1		26.31	7.36	91.9	7.64	0.672

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	2.0	1	1.8	10.2	9.43	84.5	6.92	0.663
outlet	0.1	0.1		11.31	9.99	91.8	7.27	0.676

-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	0.044	0.562	1.010	0.006	17.57	85.000	162.500	3.62
outlet	0.046	0.555	0.972	0.008	57.55	64.000	160.800	4.96

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	0.238	1.100	0.231	0.031	95.56	42.000	209.000	6.55
outlet	0.346	1.360	0.170	0.280	80.4	82.000	209.000	4.87

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	0.071	0.672	1.230	0.015	26.58	122.0	232.500	3.78
outlet	0.077	0.748	1.130	0.035	31.17	149.0	234.400	3.42

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.