

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Stephen Lake

County: ATLANTIC

SiteID: NJW04459-123

Municipality: ESTELL MANOR CITY

## 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	1.5	1.0	1.5	7.65	10.55	86.8	4.78	0.033
outlet 1	0.1	0.1		7.84	11.4	94.2	5.07	0.033
outlet 2	0.4	0.4		7.99	10.94	90.7	5.05	0.034

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	1.5	1	1.5	21.25	6.33	71	5.27	0.03

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	1.5	1	1.5	21.14	6.89	76.9	6.18	0.03
outlet 1	0.2	0.2		21.33	7.87	88	5.99	0.031
outlet 2	0.4	0.4		20.69	7.12	78.7	6.04	0.032

-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	0.012	0.119	0.302	0.006	1.59	1.000	5.919	0.58
outlet 1	ND	0.190	0.275	0.006	1.72	2.000	6.052	0.73
outlet 2	0.012	0.172	0.283	0.028	1.41	10.000	6.338	0.6

### 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	ND	0.268	0.103	0.029	6.59	4.000	5.581	1.13
outlet 1	ND	0.414	0.090	0.034	3.25	2.000	5.667	0.91
outlet 2	ND	0.322	0.110	0.071	3.16	28.000	5.925	1.31

### 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	0.01	0.294	0.019	0.004	6.1	2.000	6.295	1.01
outlet 1	ND	0.326	0.009	0.006	5.48	5.000	6.134	1.00
outlet 2	ND	0.306	0.025	0.033	4.49	7.000	6.296	1.08

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.