

AMBIENT LAKE MONITORING NETWORK

Lake Name: Lefferts Lake

County: Monmouth

SiteID: NJW04459-080

Municipality: Matawan Boro

Lake Profile Raw Data

Panel: 2 Round: 2

Season: Spring

Date sampled: 4/25/2011

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.021	0.513	0.383	0.15	3.37	ND	39.3	22.6
2	0.021	0.46	0.338	0.153	0.6	ND	43.3	13.1

Season: Summer

Date sampled: 7/19/2011

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.022	0.27	0.14	0.021	5.8	14	47.8	1.86
2	0.031	0.26	0.06	0.016	3.38	11	41.5	1.44

Season: Fall

Date sampled: 11/1/2011

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.017	0.392	0.393	0.112	1.23	3	41.5	12.2
2	ND	0.265	0.433	0.0508	0.23	6	44.4	7.42

Sample Device - Horizontal Polycarbonate Sampler; a blank parameter result means the parameter could not be analyzed due to a lab error.

"ND" indicates the result is at a concentration below the analytical method's Reporting Limit (RL). See Volume I, Methods.

"ANR" (Analyte Not Requested) indicates a sample was not collected for this parameter.

AMBIENT LAKE MONITORING NETWORK

Lake Name: Lefferts Lake

County: Monmouth

SiteID: NJW04459-080

Municipality: Matawan Boro

Surface to Bottom Profile

Panel: 2 **Round:** 2

Season: Spring

Date sampled: 4/25/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	3.3	1	0.5	16.54	7.6	77.6	5.94	0.183
1	3.3	2	0.5	12.84	6.88	64.8	5.98	0.175
1	3.3	3	0.5	12.17	4.93	45.7	6.07	0.182
2	2.1	1	0.8	16.23	6.45	65.4	5.69	0.191
2	2.1	2	0.8	12.8	5.18	48.8	5.6	0.217

Season: Summer

Date sampled: 7/19/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	3	1		28.95	6.45	83.9	6.37	0.241
2	1.9	1	B	28.72	7.34	95.2	6.02	0.21

Season: Fall

Date sampled: 11/1/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	3.3	1	0.8	7.87	8.33	69.1	5.98	0.232
1	3.3	2	0.8	7.65	8.35	68.8	5.92	0.233
1	3.3	3	0.8	7.55	8.28	68.1	5.89	0.239
2	2.1	1	1.3	6.74	9.79	79	5.73	0.288

"B" indicates secchi can be seen at the Bottom of lake; "P" indicates secchi depth was Obscured, typically (but not always) by plants.

-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.