

AMBIENT LAKE MONITORING NETWORK

Lake Name: Eastern Gate Lake
SiteID: NJW04459-236

County: Gloucester
Municipality: Franklin Twp

Lake Profile Raw Data

Panel: 1 **Round:** 2

Season: Spring

Date sampled: 4/7/2010

<i>Station</i>	<i>Tot Phos</i> (mg/L)	<i>TKN</i> (mg/L)	<i>Nitrite-Nitrate</i> (mg/L)	<i>Ammonia-N</i> (mg/L)	<i>Chl a</i> (ug/L)	<i>Alk</i> (mg/L)	<i>Hard</i> (mg/L)	<i>Turbidity</i> (NTU)
1	ND	0.23	0.795	0.00971	3.37	51	59.6	1.27
1A	0.01	0.287	0.708	0.0108	10.41	61	62.2	3.14

Season: Summer

Date sampled: 6/23/2010

<i>Station</i>	<i>Tot Phos</i> (mg/L)	<i>TKN</i> (mg/L)	<i>Nitrite-Nitrate</i> (mg/L)	<i>Ammonia-N</i> (mg/L)	<i>Chl a</i> (ug/L)	<i>Alk</i> (mg/L)	<i>Hard</i> (mg/L)	<i>Turbidity</i> (NTU)
1	0.019	0.227	0.426	0.01	5.35	69	60.3	1.29
1A	0.03	0.376	0.294	0.0806	15.51	65	65.3	3.96

Season: Fall

Date sampled: 9/8/2010

<i>Station</i>	<i>Tot Phos</i> (mg/L)	<i>TKN</i> (mg/L)	<i>Nitrite-Nitrate</i> (mg/L)	<i>Ammonia-N</i> (mg/L)	<i>Chl a</i> (ug/L)	<i>Alk</i> (mg/L)	<i>Hard</i> (mg/L)	<i>Turbidity</i> (NTU)
1	ND	0.304	0.113	0.03	7.87	44	62.2	1.95

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.

AMBIENT LAKE MONITORING NETWORK

Lake Name: Eastern Gate Lake

County: Gloucester

SiteID: NJW04459-236

Municipality: Franklin Twp

Surface to Bottom Profile

Panel: 1 **Round:** 2

Season: Spring

Date sampled: 4/7/2010

<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	5.6	1	3.8	16.95	9.26	96.4	7.05	0.185
1	5.6	2	3.8	13.55	10.43	101	7.19	0.187
1	5.6	3	3.8	12	10.95	102.3	7.36	0.187
1	5.6	4	3.8	10.69	10.79	97.9	7.45	0.191
1A	5.6	5	3.8	9.42	9.78	86.1	7.46	0.199

Season: Summer

Date sampled: 6/23/2010

<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	5.4	1	2.3	27.91	8.95	114.1	7.84	0.168
1	5.4	2	2.3	27.77	8.76	111.5	7.94	0.168
1	5.4	3	2.3	26.8	10.09	126.1	8.1	0.168
1	5.4	4	2.3	24.12	9.35	111.2	7.95	0.175
1A	5.4	5	2.3	20.81	2.67	29.9	7.78	0.188

Season: Fall

Date sampled: 9/8/2010

<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	5.1	1	2.3	25.73	7.93	97.8	7.62	0.184
1	5.1	2	2.3	25.65	8.06	99.3	7.83	0.184
1	5.1	3	2.3	25.6	8.13	100	7.92	0.184
1	5.1	4	2.3	25.55	7.92	97.4	7.93	0.184
1	5.1	4.9	2.3	25.25	0.68	8.1	7.27	0.189

-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.