

AMBIENT LAKE MONITORING NETWORK

Lake Name: Eastern Gate Lake
SiteID: NJW04459-236

County: GLOUCESTER
Municipality: FRANKLIN TWP

Surface to Bottom Profile

Season: Summer

<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	5.0	0.9	1.6	29.4	9.19	120.2	8.64	0.166
1	5.0	1.8	1.6	29.02	9.26	120.3	8.68	0.165
1	5.0	2.7	1.6	28.85	9.26	120	8.68	0.165
1	5.0	3.6	1.6	28.23	6.95	89.1	7.67	0.167
1	5.0	4.6	1.6	24.46	3.81	45.6	7.36	0.192

Season: Fall

<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	4.9	0.9	2.9	23.48	6.26	73.8	7.46	0.191
1	4.9	1.8	2.9	23.48	6.05	71.3	7.49	0.192
1	4.9	2.7	2.9	23.47	6	70.7	7.48	0.191
1	4.9	3.6	2.9	23.47	6.01	70.8	7.48	0.191
1	4.9	4.6	2.9	23.44	5.96	70.1	7.46	0.192

-Secchi measurements are not recorded for outlets.

-A blank Secchi measurement for lake stations means that an accurate measurement could not be recorded because visibility was obscured by vegetation.

-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: Summer

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	< 38.41	0.309	0.146	0.028	8.1	53	58	1.09

Season: Fall

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	<10.37	0.304	0.104	0.079	7.3	59	65.4	1.75

Sample Device - Horizontal Polycarbonate Sampler

"<" indicates the result is at a concentration below the analytical method's Reporting Limit (RL). See Volume 1, Methods.

-A blank parameter result means the parameter could not be analyzed due to laboratory error.