

AMBIENT LAKE MONITORING NETWORK

Lake Name: Lake 31A

County: Somerset

SiteID: NJW04459-242

Municipality: Hillsborough Twp

Lake Profile Raw Data

Panel: 2 Round: 2

Season: Spring

Date sampled: 5/11/2011

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	0.113	0.99	0.02	0.014	10.89	35	91	2.07
2	0.594	0.65	0.02	0.013	5.94	51	69.2	2.78

Season: Summer

Date sampled: 8/5/2011

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	0.105	1.1	0.02	0.117	57.92	58	89.7	3.52
2	0.093	1.1	0.02	0.01	35.48	67	84.8	3.27

Season: Fall

Date sampled: 10/25/2011

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	0.037	0.575	0.0158	0.00458	29.52	55	75.9	4.09
2	0.081	0.58	0.015	0.00566	30.02	69	71.9	3.11

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: Lake 31A

County: Somerset

SiteID: NJW04459-242

Municipality: Hillsborough Twp

Surface to Bottom Profile

Panel: 2 Round: 2

Season: Spring

Date sampled: 5/11/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	0.9	0.5	P	17.6	9.16	95.7	9.29	0.379
2	1	0.5	P	18.06	9.11	96	8.47	0.203

Season: Summer

Date sampled: 8/5/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1	0.4	P	24.9	3.16	38	7.19	0.329
2	1	0.5	B	25.59	3.38	41.1	7.47	0.282

Season: Fall

Date sampled: 10/25/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	0.8	0.5	B	12.8	10.17	95.5	8.11	0.228
2	0.9	0.5	B	12.96	9.04	85.2	7.97	0.186

"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.