

AMBIENT LAKE MONITORING NETWORK

Lake Name: Turkey Swamp

County: Monmouth

SiteID: NJW04459-291

Municipality: Freehold Twp

Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/22/2010

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	0.107	1.01	0.0246	0.139	43.95	4	16.4	8.53
2	ND	0.842	0.0297	0.105	26.94	3	16.5	6.84
3	0.095	0.904	0.0225	0.0803	47.68	6	16.6	7.56

Season: Summer

Date sampled: 7/27/2010

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	0.056	0.818	0.012	0.01	25.79	4	17.9	6.27
2	0.06	0.788	0.012	0.00804	28.12	5	18	5.81
3	0.055	0.812	0.012	0.01	32.39	3	18	5.33

Season: Fall

Date sampled: 9/22/2010

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	0.06	0.864	0.012	0.0265	16.17	ND	17.1	4.99
2	0.059	0.851	0.012	0.0169	15.58	ND	16.8	4.46
3	0.081	0.927	0.012	0.0244	18.7	3	18.2	6.29

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: Turkey Swamp

County: Monmouth

SiteID: NJW04459-291

Municipality: Freehold Twp

Surface to Bottom Profile

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/22/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	2.2	1	1	14.94	6.47	64.6	5.43	0.044
1	2.2	2	1	12.52	1.15	10.9	5.38	0.047
2	1.4	0.7	1.1	17.01	8.69	90.7	5.9	0.044
3	1.4	0.7	0.9	15.02	7.36	73.6	5.85	0.045

Season: Summer

Date sampled: 7/27/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	2.0	1	0.9	27.54	4.66	58.9	5.78	0.073
2	1.2	0.6	0.8	27.74	5.14	65.3	5.71	0.051
3	1.2	0.6	0.9	27.35	5.15	64.8	5.62	0.051

Season: Fall

Date sampled: 9/22/2010

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	1.2	20.84	6.4	70.3	5.89	0.059
2	0.7	0.5	0.7	20.59	6.15	67.3	5.9	0.059
3	0.8	0.5	0.8	20.53	6.62	72.2	5.85	0.059

-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.

NJW04459-291
Turkey Swamp Lake
Freehold Township, Monmouth County

