

AMBIENT LAKE MONITORING NETWORK

Lake Name: Wapalanne Lake

County: Sussex

SiteID: NJW04459-036

Municipality: Sandyston Twp

Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 5/13/2010

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	0.052	0.218	0.012	0.01	0.83	15	18.8	3.1
2	0.039	0.239	0.012	0.01	3.17	10	18.9	2.68
3	0.039	0.279	0.012	0.01	3.33	5	19.1	2.82

Season: Summer

Date sampled: 8/5/2010

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	0.085	1.59	0.012	0.05	92.72	ND	30.8	21.4
2	0.098	1.13	0.00683	0.0444	160.9	ND	28.7	7.91
3	0.062	0.685	0.012	0.0445	308.24	ND	28.2	4.67

Season: Fall

Date sampled: 10/7/2010

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	0.041	0.139	0.00875	0.0239	0.6	15	18.4	1.06
2	0.034	0.283	0.0128	0.046	1.42	12	17.9	1.06
3	0.043	0.27	0.0127	0.082	1.82	9	17.5	1.51

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: Wapalanne Lake

County: Sussex

SiteID: NJW04459-036

Municipality: Sandyston Twp

Surface to Bottom Profile

Panel: 1 Round: 2

Season: Spring

Date sampled: 5/13/2010

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	0.9	11.01	12.43	114.1	7.63	0.044
2	1.4	0.7	1.4	10.47	10.05	91.1	7.28	0.048
3	2.2	1	2.0	11.93	8.64	81	7.25	0.049
3	2.2	2	2.0	11.09	9.06	83.3	7.18	0.049

Season: Summer

Date sampled: 8/5/2010

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		26.06	8.74	112.3	8.24	0.076
2	1.4	1	0.9	25.51	4.36	55.3	8.17	0.068
3	2.0	1	0.9	25.35	3.65	46.4	7.81	0.067

Season: Fall

Date sampled: 10/7/2010

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	0.4	0.8	14.16	8.33	83.9	7.53	0.045
2	1.2	0.5	1.2	14.48	7.82	79.3	7.33	0.045
3	1.9	1	1.9	14.11	7.39	74.3	7.18	0.045

-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.