

AMBIENT LAKE MONITORING NETWORK

Lake Name: Fairview Lake

County: Sussex

SiteID: NJW04459-010

Municipality: Stillwater Twp

Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 5/26/2010

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	ND	0.238	0.0086	0.01	9	30	19.5	2.09
1A	0.012	0.289	0.012	0.01	12.82	25	19.6	2.22
2	ND	0.245	0.00803	0.01	7.63	22	19.5	2.03
2A	0.021	0.224	0.012	0.01	12.47	12	19.6	2.5
3	0.01	0.199	0.012	0.01	7.95	30	19.5	2.25

Season: Summer

Date sampled: 8/24/2010

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	0.03	0.42	0.028	0.0219	31.69	9	20.6	3.36
2	0.044	0.31	0.00925	0.01	31.21	ND	20.9	3.76
3	0.042	0.299	0.0105	0.0129	29.66	13	21.1	3.83

Season: Fall

Date sampled: 10/18/2010

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	0.039	0.415	0.00807	0.01	25.97	9	21.5	2.84
2	0.043	0.423	0.00766	0.01	27.47	5	21.5	3.27
3	0.043	0.425	0.00947	0.01	26.49	10	21.7	3.24

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.

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Surface to Bottom Profile

Panel: 1 **Round:** 2

Season: Spring

Date sampled: 5/26/2010

<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	3.6	1	2.2	22.85	8.73	104.6	6.78	0.05
1	3.6	2	2.2	22.7	8.92	106.7	7.02	0.05
1A	3.6	3	2.2	15.96	7.6	79.5	7	0.051
2	5.5	1	2.0	22.7	8.63	103.1	7.08	0.051
2	5.5	2	2.0	19.23	9.64	107.7	7.19	0.05
2	5.5	3	2.0	16.11	9.2	96.1	7.22	0.05
2	5.5	4	2.0	15.14	5.03	51.7	7.12	0.051
2A	5.5	5	2.0	14.24	0.96	9.7	6.91	0.056
3	4.6	1	2.0	21	9.43	109.1	7.33	0.051
3	4.6	2	2.0	19.53	9.77	109.8	7.38	0.051
3	4.6	3	2.0	17.5	9.01	97.1	7.37	0.051
3	4.6	4	2.0	16.46	8.96	94.5	7.34	0.05

Season: Summer

Date sampled: 8/24/2010

<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	3.5	0.5	1.8	22.58	7.35	87.5	6.76	0.06
1	3.5	1	1.8	22.58	7.34	87.2	6.77	0.06
1	3.5	2	1.8	22.56	7.27	86.5	6.74	0.06
1	3.5	3	1.8	22.57	7.26	86.3	6.78	0.059
2	5.4	0.5	1.6	22.81	6.67	79.7	6.7	0.061
2	5.4	1	1.6	22.82	6.51	77.8	6.63	0.061
2	5.4	2	1.6	22.82	6.47	77.4	6.63	0.061
2	5.4	3	1.6	22.81	6.45	77.2	6.61	0.061
2	5.4	4	1.6	22.82	6.47	77.2	6.62	0.062
2	5.4	5	1.6	19.3	0.5	5.6	6.49	0.161
3	4.6	0.5	1.6	22.8	6.26	74.8	6.76	0.061
3	4.6	1	1.6	22.79	5.91	70.7	6.71	0.061
3	4.6	2	1.6	22.79	5.95	71.1	6.62	0.061
3	4.6	3	1.6	22.64	5.78	68.8	6.65	0.061
3	4.6	4	1.6	22.11	0.79	9.6	6.4	0.081

-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.

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Lake Name: Fairview Lake

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SiteID: NJW04459-010

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Surface to Bottom Profile

Panel: 1 Round: 2

Season: Fall

Date sampled: 10/18/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	3.7	1	1.6	13.35	8.5	83.7	7.71	0.054
1	3.7	2	1.6	13.29	8.44	83	7.48	0.054
1	3.7	3	1.6	12.95	8.04	78.5	7.43	0.054
2	5.6	1	1.6	13.59	8.03	79.4	7.27	0.053
2	5.6	2	1.6	13.51	7.93	78.4	7.23	0.053
2	5.6	3	1.6	13.45	7.87	77.8	7.24	0.053
2	5.6	4	1.6	13.44	7.79	76.9	7.18	0.053
2	5.6	5	1.6	13.42	7.5	74	7.16	0.053
3	4.6	1	1.5	13.59	8.4	83.2	7.16	0.053
3	4.6	2	1.5	13.56	8.4	83.2	7.13	0.054
3	4.6	3	1.5	13.52	8.39	83.1	7.1	0.054
3	4.6	4	1.5	13.24	8.2	80.6	7.12	0.054

-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.