

# *AMBIENT LAKE MONITORING NETWORK*

**Lake Name:** Fairview Lake  
**SiteID:** NJW04459-010

**County:** SUSSEX  
**Municipality:** STILLWATER 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	3.5	0.9	1.5	25.32	6.87	86.1	7.92	0.059
1	3.5	1.8	1.5	25.14	6.8	85	7.9	0.058
1	3.5	2.7	1.5	25.07	6.71	83.9	7.68	0.06
2	5.5	0.9	1.2	25.04	6.76	84.3	7.76	0.059
2	5.5	1.8	1.2	24.92	6.62	82.4	7.48	0.06
2	5.5	2.7	1.2	24.85	6.4	79.5	7.19	0.059
2	5.5	3.6	1.2	24.6	3.47	43	6.24	0.06
2	5.5	4.6	1.2	23.73	0.06	0.7	6.09	0.066
2	5.5	5.4	1.2	18.75	0.02	0.2	6.48	0.176
3	4.5	0.9	1.1	24.92	6.7	83.4	7.59	0.059
3	4.5	1.8	1.1	24.8	6.5	80.8	7.31	0.059
3	4.5	2.7	1.1	24.66	6.47	80.2	7.29	0.059
3	4.5	3.6	1.1	24.43	6.19	76.4	6.98	0.06
outlet	0.2	0.2		25.48	6.22	78.3	6.68	0.059

**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	3.81	0.9	1.4	14.82	8.44	86.6	6.97	0.06
1	3.81	1.8	1.4	14.82	8.31	85.5	7	0.06
1	3.81	2.7	1.4	14.76	8.25	84.6	6.97	0.06
1	3.81	3.6	1.4	14.7	8.08	82.7	6.89	0.061
2	5.7	0.9	1.3	15.06	8.26	85.1	7.01	0.06
2	5.7	1.8	1.3	14.85	8.1	83.2	6.94	0.061
2	5.7	2.7	1.3	14.81	8.02	82.3	6.9	0.06
2	5.7	3.6	1.3	14.8	8.03	82.4	6.92	0.06
2	5.7	4.6	1.3	14.76	8.04	82.5	6.9	0.06
2	5.7	5.4	1.3	14.75	8.05	82.6	6.88	0.06
3	4.6	0.9		14.85	8.38	86.1	7.04	0.06
3	4.6	1.8		14.57	8.16	83.3	6.93	0.06
3	4.6	2.7		14.54	8.2	83.7	6.93	0.061
3	4.6	3.6		14.36	8.27	84.1	6.94	0.06
outlet	0.2	0.2		14.74	8.82	90.4	6.86	0.06

*-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	18.84	0.177	<0.006	0.032	26.0	16	20.6	2.08
2	30.79	0.175	<0.006	0.03	29.2	16	20.4	1.99
3	23.87	0.165	<0.006	0.03	48.7	15	20.3	3.04
outlet	10.65	0.152	0.01	0.047	12.9	15	20	1.48

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	31.85	0.733	0.06	0.355	32.6	17	20	3.16
2	62.23	0.769	0.055	0.368	31.6	17	20.4	2.86
3	31.14	0.737	0.057	0.356	31.8	19	20.6	3.04
outlet	20.03	0.685	0.072	0.342	30.1	17	20.5	3.4

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.