

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Lake Ashroe

County: SUSSEX

SiteID: NJW04459-013

Municipality: SANDYSTON TWP

## Surface to Bottom Profile

Season: Summer

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	0.9	2.0	25.1	7.22	87.2	7.49	0.061
2	3.4	0.9	2.0	24.55	6.23	73.6	7.33	0.078
2	3.4	1.8	2.0	24.2	6.5	76.3	7.28	0.078
2	3.4	2.7	2.0	24.03	5.63	63.4	7.09	0.078

Season: Fall

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	2.1	0.9	2.1	8.12	9.03	78.1	6.4	0.051
1	2.1	1.8	2.1	8.1	8.97	77.5	6.41	0.051
2	3.5	0.9	2.9	8.93	8.31	73.2	6.35	0.051
2	3.5	1.8	2.9	8.91	8.29	73	6.34	0.051
2	3.5	2.7	2.9	8.87	8.33	73.2	6.35	0.051
outlet	0.2	0.2		8.93	9.62	84.8	6.59	0.051

-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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**County:** SUSSEX

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## Lake Profile Raw Data

**Season:** Summer

<i>Station</i>	<i>Tot Phos (ug/L)</i>	<i>TKN (mg/L)</i>	<i>Nitrite-Nitrate (mg/L)</i>	<i>Ammonia-N (mg/L)</i>	<i>Chl a (ug/L)</i>	<i>Alk (ppm)</i>	<i>Hard (ppm)</i>	<i>Turbidity (NTU)</i>
1	37.08	0.312	<0.006	0.032	18.0	17	21.1	2.18
2	20.16	0.273	0.006	0.030	21.4	22	24.8	2.59

**Season:** Fall

<i>Station</i>	<i>Tot Phos (ug/L)</i>	<i>TKN (mg/L)</i>	<i>Nitrite-Nitrate (mg/L)</i>	<i>Ammonia-N (mg/L)</i>	<i>Chl a (ug/L)</i>	<i>Alk (ppm)</i>	<i>Hard (ppm)</i>	<i>Turbidity (NTU)</i>
1	<10.37	0.199	<0.006	<0.004	6.5	12	18.2	0.84
2	13.89	0.268	<0.006	<0.004	10.0	7	17.6	1.25
outlet	12.69	0.265	<0.006	<0.006	10.1	13	18	1.04

*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.*