

AMBIENT LAKE MONITORING NETWORK

Lake Name: Wapalanne Lake
SiteID: NJW04459-036

County: SUSSEX
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	0.8	0.6	0.8	24.13	10.69	130.9	9.08	0.076
2	1.4	0.9	1.4	23.85	7.64	93.2	8.02	0.071
3	2.2	0.9	1.8	23.77	7.26	88.2	7.57	0.07
3	2.2	1.8	1.8	23.2	2.11	25.2	6.43	0.073
outlet	0.2	0.2	0.2	24.45	7.64	94.2	7.95	0.07

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	0.8	0.6	0.8	7.85	9.19	79.4	6.92	0.04
2	1.2	0.9	1.2	8.78	9.72	85.1	6.56	0.039
3	1.4	0.9	1.4	7.87	9.88	85.6	6.6	0.038
3	1.4	1.4	1.4	7.62	9.83	84.2	6.66	0.038
outlet	0.2	0.2		8.81	9.99	87.8	8.91	0.039

-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 Name: Wapalanne Lake

County: SUSSEX

SiteID: NJW04459-036

Municipality: SANDYSTON TWP

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	50.35	0.365	<0.006	0.029	15.9	76	34	5.21
2	26.41	0.286	0.009	0.026	13.4	71	31.8	3.29
3	19.24	0.282	0.008	0.026	21.9	68	31.4	2.45
outlet	16.82	0.359	0.008	0.03	13.1	69	30.9	2.18

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	<10.37	0.193	<0.006	<0.004	0.2	9	15.4	0.89
2	<10.37	0.212	<0.006	<0.004	0.3	9	15.5	1.11
3	11.42	0.281	<0.006	<0.004	0.4	8	14.6	0.69
outlet	<10.37	0.209	<0.006	<0.004	0.4	6	16.4	2.81

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.