

AMBIENT LAKE MONITORING NETWORK

Lake Name: Lake Stockholm
SiteID: NJW04459-021

County: SUSSEX
Municipality: HARDYSTON 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	1.8	0.9	1.8	23.6	5.82	70.5	7.54	0.434
2	4.0	0.9	2.0	23.83	5.16	62.8	7.42	0.433
2	4.0	1.8	2.0	23.77	5.18	63	7.41	0.434
2	4.0	2.7	2.0	23.69	5.47	66.4	7.44	0.434
2	4.0	3.6	2.0	22.99	5.41	64.8	7.44	0.435

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	1.9	0.9	0.9	8.55	9.58	82.3	7.17	0.317
1	1.9	1.8	0.9	8.47	4.16	36	7.08	0.313
2	4.7	0.9	0.7	9.17	9.35	81.9	7.37	0.321
2	4.7	1.8	0.7	9.11	9.33	81.4	7.45	0.32
2	4.7	2.7	0.7	9.06	9.35	82.1	7.45	0.321
2	4.7	3.6	0.7	8.63	9.19	79.4	7.4	0.329
outlet	0.2	0.2		9.15	9.84	86.3	7.18	0.323

-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	17.58	0.35	<0.006	0.026	13.4	143	78.8	2.3
2	24.55	0.387	<0.006	0.036	15.6	144	77.5	3.1

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	16.43	0.354	0.24	<0.004	13.1	44	63.1	3.13
2	23.31	0.367	0.238	<0.004	16.0	47	64.7	2.22
outlet	17.15	0.396	0.247	<0.004	14.7	46	64.5	1.95

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.