

AMBIENT LAKE MONITORING NETWORK

Lake Name: Hankins Pond

County: CUMBERLAND

SiteID: NJW04459-118

Municipality: MILLVILLE CITY

Surface to Bottom Profile

Season: Spring

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.1	0.5	0.8	9.46	10.52	91.1	8.33	0.19
2	1.3	0.5	0.8	9.33	9.86	85.4	7.24	0.202
outlet	0.1	0.1		10.2	10.2	90	7.36	0.204

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	0.5	0.7	24.05	4.42	52.5	6.86	0.186
2	1.2	0.5	0.7	24.77	6.43	77.6	7.12	0.18
outlet	0.3	0.3		20.36	3.55	39.3	6.67	0.207

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	0.6	0.3	0.6	20.99	7.37	81.9	5.92	0.076
2	0.8	0.4	0.4	25.04	8.74	104.7	6.58	0.073

-Secchi measurements are not recorded for outlets.

-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 Profile Raw Data

Season: Spring

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.055	0.306	1.140	0.069	5.4	18.400	22.050	10.4
2	0.064	0.316	1.070	0.054	6.1	17.300	22.474	11.4
outlet	0.075	0.333	1.030	0.072	7	18.400	23.138	10.6

Season: Summer

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.126	1.070	0.084	0.006	57.9	37.000	42.997	5.18
2	0.088	0.923	0.101	0.006	41.9	31.000	42.789	8.44
outlet	0.068	0.998	0.123	0.181	21.4	35.000	42.379	6.18

Season: Fall

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.04	0.975	0.514	0.074	21.02	24.000	21.883	4.30
2	0.096	0.639	1.910	0.031	48.45	12.000	21.528	23.9

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.