

AMBIENT LAKE MONITORING NETWORK

Lake Name: Openaka Lake

County: MORRIS

SiteID: NJW04459-041

Municipality: DENVILLE TWP

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	2	1	1.8	15.15	7.85	80.2	7.22	0.392
outlet	0.1	0.1		16.25	7.21	75.4	7.57	0.392

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	1.9	1	1.5	24.34	6.93	82.9	7.03	0.236
outlet	0.2	0.2		25.71	6.94	86	7.26	0.242

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	1	1.9	19.65	7.81	86.6	7.17	0.209
outlet	0.2	0.2		21.08	7.83	89.3	7.5	0.214

-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	0.009	0.281	0.459	0.033	7.4	26	70.846	2.37
outlet	0.007	0.276	0.460	0.025	15.8	25	66.694	2.01

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	0.028	0.428	0.331	0.066	8.5	29	54.477	2.47
outlet	0.025	0.425	0.322	0.072	5.2	27	56.470	3.99

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	0.021	0.307	0.331	0.042	5.8	29	51.612	1.47
outlet	0.013	0.306	0.311	0.052	3.1	27	52.068	1.16

Sample Device - Horizontal Polycarbonate Sampler

"ND" 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.