

AMBIENT LAKE MONITORING NETWORK

Lake Name: Ames Lake

County: MORRIS

SiteID: NJW04459-290

Municipality: ROCKAWAY 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	1.5	1	1.5	12.35	8.96	85.7	6.98	0.103
2	2	1	2	14.02	7.83	77.7	6.87	0.14

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	1.3	0.7	1.3	23.39	2.26	27.3	6.57	0.206
2	1.9	1	1.8	23.32	7.97	95.9	7.05	0.162

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	1.5	1	1.1	13.45	3.34	32.9	6.81	0.244
2	1.9	1	na	14.12	8.05	80.4	7.06	0.213

-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	0.03	0.36	0.06	0.01	4.55	#LA	39.30	2.03
2	0.026	0.31	0.04	0.01	3.98	25	40.20	1.34

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	0.019	0.383	0.0486	0.0311	11.62	35	51.8	2.18
2	0.01	.387	0.0063	0.0078	14.77	50	53.7	1.35

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	0.028	0.485	0.0427	0.0406	6.35	30	60.8	1.66
2	0.026	0.351	0.00913	0.0278	4.69	42	59.8	1.75

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.