

AMBIENT LAKE MONITORING NETWORK

Lake Name: Mount Hope Pond

County: MORRIS

SiteID: NJW04459-198

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	4.2	1	2.3	10.96	9.63	90.1	7.34	0.153
1	4.2	2	2.3	10.93	9.66	90.4	7.34	0.153
1	4.2	3	2.3	10.9	9.65	90.2	7.32	0.153
1	4.2	4	2.3	10.9	8.9	83.2	7.27	0.153

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	4.1	1	2.1	24.64	7.88	97.8	6.68	0.146
1	4.1	2	2.1	23.93	7.78	95.3	6.74	0.146
1	4.1	3	2.1	23.44	6.55	79.5	6.62	0.147
1	4.1	4	2.1	21.72	0.3	3.4	6.19	0.218

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	4.0	1	1.2	18.68	6.02	67.4	7.35	0.128
1	4.0	2	1.2	18.61	6.23	69.6	7.26	0.128
1	4.0	3	1.2	18.57	6.35	71.1	7.21	0.128

-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	0.021	0.297	0.0101	0.00778	3.39	14.00	22.00	1.73

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	0.016	0.383	0.0063	0.0105	6.25	20	22.6	2.24

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	0.048	0.479	0.012	0.0202	34.56	34	22.7	4.58

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.