

AMBIENT LAKE MONITORING NETWORK

Lake Name: Rainbow Lakes

County: MORRIS

SiteID: NJW04459-164

Municipality: PARSIPPANY-TROY HILLS
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	3	1	1.5	20.78	8.46	96.4	7.88	0.752
1	3	2	1.5	18.07	3	32.4	7.62	0.75
1	3	2.5	1.5	16.07	0.22	2.2	7.01	0.758

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	3.1	1	0.7	26.44	7.76	98.4	7.62	0.627
1	3.1	2	0.7	25.48	1.69	21	7.3	0.634

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	3.1	1	1.3	11.32	8.71	80.8	7.47	0.639
1	3.1	2	1.3	10.79	6.03	55.2	7.37	0.639
1	3.1	3	1.3	10.93	0.32	3	6.98	0.637

-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	0.05	0.862	0.006	0.17	19.11	85	82.9	3.25
1A	0.114	1.19	0.006	0.051	55.95	45	83.6	6.77

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	0.056	0.730	0.00630	0.00778	28.03	40	67.9	2.76

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	0.06	0.782	0.00630	0.0208	35.64	49	70.4	3.5

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.