

AMBIENT LAKE MONITORING NETWORK

Lake Name: Chesler Lake

County: MORRIS

SiteID: NJW04459-051

Municipality: ROXBURY 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	6.4	1	1.7	13.21	10.06	98.7	8.8	0.499
1	6.4	2	1.7	13.18	10.29	101	8.75	0.499
1	6.4	3	1.7	13.12	10.52	103	8.76	0.5
1	6.4	4	1.7	8.58	11.98	105.6	8.67	0.504
1	6.4	5	1.7	7.38	9.96	85.2	8.24	0.505
1	6.4	6	1.7	6.93	6.99	59.2	7.81	0.467

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	7.4	1	2.3	24.1	7.53	91.9	8.66	0.482
1	7.4	2	2.3	23.89	7.59	92.4	8.62	0.484
1	7.4	3	2.3	23.36	7.24	87.3	8.52	0.49
1	7.4	4	2.3	19.64	7.27	81.5	8.4	0.514
1	7.4	5	2.3	14.85	6.36	64.5	7.93	0.528
1	7.4	6	2.3	11.57	3.39	32	7.5	0.531
1	7.4	7	2.3	9.68	0.26	2.4	7.29	0.531

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	7.2	1	3.9	20.93	8.15	92.8	8.52	0.48
1	7.2	2	3.9	20.77	8.12	92.2	8.5	0.48
1	7.2	3	3.9	20.5	7.93	89.4	8.47	0.48
1	7.2	4	3.9	20.31	7.42	83.4	8.41	0.481
1	7.2	5	3.9	19.76	6.47	72	8.18	0.485
1	7.2	6	3.9	17.16	1.87	19.8	7.68	0.511
1	7.2	7	3.9	14.39	0.59	5.9	7.51	0.527

-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.

AMBIENT LAKE MONITORING NETWORK

Lake Name: Chesler Lake

County: MORRIS

SiteID: NJW04459-051

Municipality: ROXBURY TWP

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	0.006	0.349	0.006	0.016	13.2	115.0	174.2	1.69

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	0.017	0.317	0.013	0.034	8.4	95	153.9	1.44

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	ND	0.241	0.002	0.019	5.5	98	152.4	1.13

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.