

# AMBIENT LAKE MONITORING NETWORK

**Lake Name:** Marcia Lake

**County:** SUSSEX

**SiteID:** NJW04459-090

**Municipality:** MONTAGUE TWP

## Surface to Bottom Profile

**Season:** Spring

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	6.2	1	3.6	17.6	8.22	89.4	7.42	0.206
1	6.2	2	3.6	17.07	7.9	85.1	7.47	0.207
1	6.2	3	3.6	15.98	7.96	83.8	7.47	0.206
1	6.2	4	3.6	12.08	10.58	102.2	7.54	0.2
1	6.2	5	3.6	9.83	9.41	86.3	7.46	0.202
1	6.2	6	3.6	9.46	5.75	52.2	7.29	0.203
Outlet	0.1	0.1		18.48	8.71	96.6	7.69	0.208

**Season:** Summer

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	6.3	1	2.7	23.28	7.87	96.8	7.4	0.199
1	6.3	2	2.7	22.1	8.77	105.5	8.35	0.2
1	6.3	3	2.7	20.05	8.58	99.1	8.36	0.197
1	6.3	4	2.7	19.19	5.7	64.7	7.93	0.197
1	6.3	5	2.7	18.5	3.03	33.6	7.38	0.2
1	6.3	6	2.7	15.64	0.1	1.1	7.23	0.282

**Season:** Fall

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	6.2	1	2.8	15.65	8.24	87.7	7.15	0.2
1	6.2	2	2.8	15.68	8.36	89	7.23	0.2
1	6.2	3	2.8	15.59	8.01	85.1	7.26	0.201
1	6.2	4	2.8	15.47	7.91	83.8	7.27	0.201
1	6.2	5	2.8	15.28	7.75	81.8	7.25	0.202
1	6.2	6	2.8	14.74	3	31.2	6.99	0.212

-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: Marcia Lake

County: SUSSEX

SiteID: NJW04459-090

Municipality: MONTAGUE 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	0.023	0.338	0.166	0.005	2.7	33.000	45.112	1.12
outlet	0.017	0.338	0.151	0.005	2.8	41.000	45.194	1.22

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	0.011	0.349	0.033	0.016	5.69	94.000	46.525	1.71

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	0.027	0.396	0.041	0.070	10.32	31.000	53.841	1.43

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.