

AMBIENT LAKE MONITORING NETWORK

Lake Name: Dennisville Lake

County: CAPE_MAY

SiteID: NJW04459-046

Municipality: DENNIS 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 | 1.3 | 1 | 1.3 | 13.39 | 9.19 | 86.9 | 5.98 | 0.072 |
| 2 | 0.9 | 0.5 | 0.9 | 13.83 | 9.14 | 87.1 | 5.64 | 0.073 |
| outlet | 0.1 | 0.1 | | 12.64 | 9.04 | 84 | 6.39 | 0.359 |

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 | 1 | 1.3 | 21.53 | 7.76 | 87.9 | 6.15 | 0.063 |
| 2 | 0.8 | 0.4 | 0.8 | 21.41 | 7.78 | 88 | 5.76 | 0.062 |
| outlet | 0.2 | 0.2 | | 21.46 | 7.28 | 82.4 | 6.36 | 0.064 |

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 | 1.3 | 1 | 1.3 | 21.97 | 8.23 | 92.7 | 5.36 | 0.077 |
| 2 | 0.8 | 0.4 | 0.8 | 21.74 | 7.4 | 83 | 5.21 | 0.077 |
| outlet | 0.4 | 0.2 | | 22.3 | 7.4 | 83.9 | 5.75 | 0.186 |

-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: Dennisville Lake
SiteID: NJW04459-046

County: CAPE_MAY
Municipality: DENNIS TWP

Lake Profile Raw Data

Season: Spring

| <i>Station</i> | <i>Tot Phos</i> (mg/L) | <i>TKN</i> (mg/L) | <i>Nitrite-Nitrate</i> (mg/L) | <i>Ammonia-N</i> (mg/L) | <i>Chl a</i> (ug/L) | <i>Alk</i> (ppm) | <i>Hard</i> (ppm) | <i>Turbidity</i> (NTU) |
|----------------|---------------------------|----------------------|----------------------------------|----------------------------|------------------------|---------------------|----------------------|---------------------------|
| 1 | ND | 0.255 | 0.291 | 0.017 | 1.4 | 5 | 13.245 | 0.53 |
| 2 | ND | 0.296 | 0.324 | 0.031 | 2.1 | 2 | 13.269 | 0.68 |
| outlet | 0.021 | 0.568 | 0.079 | 0.040 | 20.9 | 58 | 1718.6 | 7.8 |

Season: Summer

| <i>Station</i> | <i>Tot Phos</i> (mg/L) | <i>TKN</i> (mg/L) | <i>Nitrite-Nitrate</i> (mg/L) | <i>Ammonia-N</i> (mg/L) | <i>Chl a</i> (ug/L) | <i>Alk</i> (ppm) | <i>Hard</i> (ppm) | <i>Turbidity</i> (NTU) |
|----------------|---------------------------|----------------------|----------------------------------|----------------------------|------------------------|---------------------|----------------------|---------------------------|
| 1 | 0.011 | 0.384 | 0.006 | 0.025 | 5.2 | 6 | 11.336 | 0.9 |
| 2 | 0.026 | 0.411 | 0.034 | 0.029 | 8.2 | | 11.370 | 0.91 |
| outlet | 0.011 | 0.379 | 0.009 | 0.031 | 5 | | 12.164 | 0.82 |

Season: Fall

| <i>Station</i> | <i>Tot Phos</i> (mg/L) | <i>TKN</i> (mg/L) | <i>Nitrite-Nitrate</i> (mg/L) | <i>Ammonia-N</i> (mg/L) | <i>Chl a</i> (ug/L) | <i>Alk</i> (ppm) | <i>Hard</i> (ppm) | <i>Turbidity</i> (NTU) |
|----------------|---------------------------|----------------------|----------------------------------|----------------------------|------------------------|---------------------|----------------------|---------------------------|
| 1 | ND | 0.353 | 0.029 | 0.014 | 4.5 | 2 | 12.427 | 1.11 |
| 2 | ND | 0.303 | 0.050 | 0.021 | 3.3 | 2 | 12.445 | 0.93 |
| outlet | ND | 0.294 | 0.013 | 0.043 | 4.2 | 4 | 13.214 | 1.47 |

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.