

AMBIENT LAKE MONITORING NETWORK

Lake Name: Makepeace Lake

County: ATLANTIC

SiteID: NJW04459-108

Municipality: HAMILTON 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 | 0.5 | 1 | 14.11 | 9.42 | 91.6 | 4.6 | 0.088 |
| 2 | 1 | 0.5 | 0.9 | 15.3 | 9.07 | 90.6 | 4.89 | 0.081 |
| outlet | 0.2 | 0.2 | | 14.56 | 9.44 | 92.8 | 4.58 | 0.086 |

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 | 0.7 | 0.3 | 0.7 | 26.18 | 6.56 | 80.9 | 3.96 | 0.082 |
| 2 | 0.9 | 0.5 | 0.9 | 26.35 | 6.35 | 78.5 | 3.9 | 0.083 |
| outlet | | 0.1 | | 28.4 | 6.85 | 88 | 4.02 | 0.085 |

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 | 0.8 | 0.4 | 0.8 | 26.67 | 5.37 | 67.1 | 3.87 | 0.114 |
| 2 | 0.5 | 0.2 | 0.5 | 26.12 | 6.85 | 84.8 | 3.81 | 0.116 |
| outlet | 0.3 | 0.3 | | 25.76 | 3.74 | 46 | 4.14 | 0.097 |

-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 Name: Makepeace Lake

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SiteID: NJW04459-108

Municipality: HAMILTON 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 | 0.018 | 0.429 | 0.079 | 0.007 | 3.3 | 1.000 | 4.033 | 1.58 |
| 2 | 0.01 | 0.441 | 0.068 | 0.026 | 3.9 | 1.000 | 4.003 | 1.42 |
| outlet | 0.016 | 0.435 | 0.052 | 0.018 | 4.5 | 1.000 | 4.268 | 1.42 |

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 | 0.048 | 0.730 | 0.072 | 0.018 | 3.6 | 1.000 | 3.188 | .76 |
| 2 | 0.031 | 0.752 | 0.077 | 0.039 | 4.9 | 1.000 | 3.350 | .86 |
| outlet | 0.022 | 0.649 | 0.083 | 0.052 | 3.8 | 1.000 | 3.575 | .72 |

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 | 0.282 | 0.019 | 0.034 | 2.36 | 1.000 | 4.554 | 1.19 |
| 2 | ND | 0.467 | 0.018 | 0.044 | 3.72 | 1.000 | 4.634 | 2.29 |
| outlet | ND | 0.397 | 0.026 | 0.047 | 4.83 | 1.000 | 6.464 | 3.72 |

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.