

AMBIENT LAKE MONITORING NETWORK

Lake Name: Oakford Lake

County: BURLINGTON

SiteID: NJW04459-115

Municipality: NORTH HANOVER 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 | 1.6 | 1 | 0.6 | 10.59 | 7.11 | 62.9 | 7.2 | 0.133 |
| 2 | 1.7 | 1 | 0.6 | 12.49 | 7.73 | 71.4 | 6.62 | 0.135 |
| outlet | 1 | 1 | | 13.01 | 8.67 | 81.1 | 6.6 | 0.135 |

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 | 1.5 | 1 | 0.6 | 24.65 | 4.17 | 50.1 | 6.37 | 0.207 |
| 2 | 1.7 | 1 | 0.6 | 27.04 | 6.85 | 86 | 6.96 | 0.207 |
| outlet | 0.1 | 0.1 | | 28.19 | 7.52 | 96.4 | 7.45 | 0.203 |

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 | 1.5 | 1 | 0.5 | 21.8 | 4.37 | 49.7 | 6.68 | 0.196 |
| 2 | 1.6 | 1 | 0.9 | 23.3 | 5.08 | 59.4 | 6.86 | 0.186 |
| outlet | 0.5 | 0.3 | | 23.95 | 6.33 | 74.9 | 7.11 | 0.185 |

-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: Oakford Lake

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SiteID: NJW04459-115

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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 | 0.066 | 0.401 | 0.426 | 0.092 | 4.7 | 19.400 | 45.745 | 11.3 |
| 2 | 0.08 | 0.397 | 0.481 | 0.090 | 5 | 16.300 | 46.409 | 10.3 |
| outlet | 0.075 | 0.423 | 0.478 | 0.073 | 6.6 | 19.400 | 45.994 | 10.3 |

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 | 0.113 | 0.527 | 0.338 | 0.161 | 7.3 | 51.000 | 76.315 | 16.1 |
| 2 | 0.09 | 0.518 | 0.272 | 0.050 | 22.0 | 46.000 | 76.570 | 12.1 |
| outlet | 0.125 | 0.785 | 0.162 | 0.045 | 74.7 | 35.000 | 76.073 | 13.5 |

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 | 0.093 | 0.463 | 0.232 | 0.126 | 7.59 | 4.000 | 79.262 | 14.8 |
| 2 | 0.06 | 0.372 | 0.161 | 0.094 | 12.28 | 50.000 | 78.153 | 8.42 |
| outlet | 0.061 | 0.369 | 0.143 | 0.097 | 9.13 | 62.000 | 77.739 | 7.24 |

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.