

AMBIENT LAKE MONITORING NETWORK

Lake Name: Kirkwood

County: Camden

SiteID: NJW04459-002

Municipality: Voorhees Twp

Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/19/2010

| Station | Tot Phos (mg/L) | TKN (mg/L) | Nitrite-Nitrate (mg/L) | Ammonia-N (mg/L) | Chl a (ug/L) | Alk (mg/L) | Hard (mg/L) | Turbidity (NTU) |
|---------|--------------------|---------------|---------------------------|---------------------|-----------------|---------------|----------------|--------------------|
| 1 | 0.094 | 0.695 | 0.0985 | 0.0563 | 11.58 | 45 | 59.9 | 8.94 |
| 2 | 0.133 | 0.657 | 0.0684 | 0.01 | 18.11 | 35 | 60.6 | 9.79 |

Season: Summer

Date sampled: 7/22/2010

| Station | Tot Phos (mg/L) | TKN (mg/L) | Nitrite-Nitrate (mg/L) | Ammonia-N (mg/L) | Chl a (ug/L) | Alk (mg/L) | Hard (mg/L) | Turbidity (NTU) |
|---------|--------------------|---------------|---------------------------|---------------------|-----------------|---------------|----------------|--------------------|
| 1 | 0.165 | 0.845 | 0.012 | 0.05 | 37.34 | 32 | 52.5 | 10.1 |
| 2 | 0.135 | 0.69 | 0.012 | 0.0122 | 35.07 | 30 | 51.3 | 7.21 |
| 3 | 0.128 | 0.687 | 0.012 | 0.013 | 39.79 | 25 | 50.4 | 6.43 |

Season: Fall

Date sampled: 10/7/2010

| Station | Tot Phos (mg/L) | TKN (mg/L) | Nitrite-Nitrate (mg/L) | Ammonia-N (mg/L) | Chl a (ug/L) | Alk (mg/L) | Hard (mg/L) | Turbidity (NTU) |
|---------|--------------------|---------------|---------------------------|---------------------|-----------------|---------------|----------------|--------------------|
| 1 | 0.118 | 0.685 | 0.0958 | 0.162 | 5.53 | 25 | 49.8 | 8.32 |
| 2 | 0.099 | 0.636 | 0.106 | 0.193 | 6.24 | 22 | 51.2 | 7.26 |

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.

AMBIENT LAKE MONITORING NETWORK

Lake Name: Kirkwood

County: Camden

SiteID: NJW04459-002

Municipality: Voorhees Twp

Surface to Bottom Profile

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/19/2010

| Station | Tot. Depth (M) | Profile Depth (M) | Secchi (M) | Water Temp (C) | DO (mg/L) | DO (%Sat) | pH (SU) | Conductivity (mS/cm) |
|---------|-------------------|----------------------|---------------|-------------------|--------------|--------------|------------|-------------------------|
| 1 | 0.9 | 0.5 | 0.9 | 15.17 | 8.45 | 84.2 | 6.93 | 0.282 |
| 2 | 1 | 0.5 | 0.9 | 15.61 | 8.66 | 86.9 | 7.08 | 0.281 |

Season: Summer

Date sampled: 7/22/2010

| Station | Tot. Depth (M) | Profile Depth (M) | Secchi (M) | Water Temp (C) | DO (mg/L) | DO (%Sat) | pH (SU) | Conductivity (mS/cm) |
|---------|-------------------|----------------------|---------------|-------------------|--------------|--------------|------------|-------------------------|
| 1 | 0.9 | 0.5 | 0.8 | 29.57 | 5.63 | 73.8 | 6.34 | 0.205 |
| 2 | 1.1 | 0.5 | 0.8 | 29.53 | 5.44 | 71.4 | 6.48 | 0.202 |
| 3 | 1.2 | 0.6 | 0.9 | 28.67 | 4.43 | 57.2 | 6.58 | 0.202 |

Season: Fall

Date sampled: 10/7/2010

| Station | Tot. Depth (M) | Profile Depth (M) | Secchi (M) | Water Temp (C) | DO (mg/L) | DO (%Sat) | pH (SU) | Conductivity (mS/cm) |
|---------|-------------------|----------------------|---------------|-------------------|--------------|--------------|------------|-------------------------|
| 1 | 0.9 | 0.5 | 0.9 | 14.42 | 6.09 | 60 | 6.01 | 0.2 |
| 2 | 1.2 | 0.6 | 1 | 14.34 | 5.03 | 49.4 | 6.28 | 0.207 |

-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.