# AMBIENT LAKE MONITORING NETWORK

**Lake Name:** **Rahway River Park Lake**          **County:** **Union**

**SiteID:** *NJW04459-044*          **Municipality:** **Rahway City**

## Lake Profile Raw Data          **Panel: 2**    **Round: 2**

**Season: Spring**          **Date sampled: 5/3/2011**

| 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 | 0.18 | 1.72 | 0.00719 | 0.053 | 79.16 | 30 | 80.9 | 9.86 |
| 2 | 0.1 | 1.15 | 0.0084 | 0.01 | 43.63 | 39 | 77.8 | 6.49 |

**Season: Summer**          **Date sampled: 7/26/2011**

| 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 | 0.246 | 1.2 | 0.06 | 0.217 | 32.31 | 71 | 99.5 | 5.10 |
| 2 | 0.263 | 1.3 | 0.07 | 0.225 | 40.61 | 73 | 101 | 7.46 |

**Season: Fall**          **Date sampled: 10/11/2011**

| 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 | 0.051 | 0.63 | 0.399 | 0.01 | 52.42 | 50 | 86.9 | 5.81 |
| 2 | 0.037 | 0.566 | 0.369 | 0.01 | 41.64 | 55 | 81.6 | 5.73 |

*Sample Device - Horizontal Polycarbonate Sampler;     a blank parameter result means the parameter could not be analyzed due to a lab error.*

*"ND" indicates the result is at a concentration below the analytical method's Reporting Limit (RL).  See Volume 1, Methods.*

*"ANR" (Analyte Not Requested) indicates a sample was not collected for this parameter.*

# AMBIENT LAKE MONITORING NETWORK

*Lake Name:* **Rahway River Park Lake**            *County:*      **Union**

*SiteID:*      *NJW04459-044*                      *Municipality:* **Rahway City**

## Surface to Bottom Profile            *Panel:* **2**    *Round:* **2**

*Season:* **Spring**                      *Date sampled:*  *5/3/2011*

| 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 | 0.7 | 17.54 | 7.36 | 76.5 | 7.54 | 0.329 |
| 2 | 1.3 | 0.6 | 0.8 | 18.95 | 10.46 | 111.8 | 7.67 | 0.313 |

*Season:* **Summer**                      *Date sampled:*  *7/26/2011*

| Station | Tot. Depth (M) | Profile Depth (M) | Secchi (M) | Water Temp (C) | DO (mg/L) | DO (%Sat) | pH (SU) | Conductivity (mS/cm) |
|---------|---------------|-------------------|------------|----------------|-----------|-----------|---------|----------------------|
| 1 | 1.4 | 0.7 | B | 28.14 | 3.26 | 41.7 | 7.33 | 0.351 |
| 2 | 1.4 | 0.7 | 1 | 27.98 | 3.59 | 45.8 | 7.16 | 0.36 |

*Season:* **Fall**                      *Date sampled:*  *10/11/2011*

| Station | Tot. Depth (M) | Profile Depth (M) | Secchi (M) | Water Temp (C) | DO (mg/L) | DO (%Sat) | pH (SU) | Conductivity (mS/cm) |
|---------|---------------|-------------------|------------|----------------|-----------|-----------|---------|----------------------|
| 1 | 1.1 | 0.5 | 1.0 | 17.71 | 8.01 | 83.4 | 7.55 | 0.264 |
| 2 | 1.4 | 1 | 0.6 | 17.97 | 9.45 | 99 | 7.62 | 0.26 |

*"B" indicates secchi can be seen at the Bottom of lake;  "P" indicates secchi depth was Obscured, typically (but not always) by plants.*

*-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.*