

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Deer Park Pond  
SiteID: NJW04459-009

County: WARREN  
Municipality: ALLAMUCHY TWP

## Surface to Bottom Profile

Season: Summer

| Station | Tot. Depth<br>(M) | Profile Depth<br>(M) | Secchi<br>(M) | Water Temp<br>(C) | DO<br>(mg/L) | DO<br>(%Sat) | pH<br>(SU) | Conductivity<br>(mS/cm) |
|---------|-------------------|----------------------|---------------|-------------------|--------------|--------------|------------|-------------------------|
| 1       | 1.3               | 0.9                  | 0.9           | 25.37             | 3.61         | 45.1         | 6.41       | 0.088                   |
| 2       | 2.1               | 0.9                  | 1.5           | 26.21             | 6.22         | 78.9         | 7.35       | 0.087                   |
| 2       | 2.1               | 1.8                  | 1.5           | 25.73             | 3.48         | 44.3         | 6.55       | 0.091                   |

Season: Fall

| Station | Tot. Depth<br>(M) | Profile Depth<br>(M) | Secchi<br>(M) | Water Temp<br>(C) | DO<br>(mg/L) | DO<br>(%Sat) | pH<br>(SU) | Conductivity<br>(mS/cm) |
|---------|-------------------|----------------------|---------------|-------------------|--------------|--------------|------------|-------------------------|
| 1       | 1.8               | 0.9                  | 1.8           | 13.47             | 6.92         | 68.6         | 6.54       | 0.076                   |
| 1       | 1.8               | 1.8                  | 1.8           | 13.14             | 4.46         | 43.9         | 6.47       | 0.078                   |
| 2       | 2.4               | 0.9                  | 2.1           | 14.01             | 7.13         | 71.5         | 6.71       | 0.076                   |
| 2       | 2.4               | 1.8                  | 2.1           | 13.67             | 6.92         | 68.9         | 6.68       | 0.076                   |
| outlet  | <0.2              | <0.2                 |               | 14.74             | 8.47         | 86.3         | 7.12       | 0.077                   |

-Secchi measurements are not recorded for outlets.

-A blank Secchi measurement for lake stations means that an accurate measurement could not be recorded because visibility was obscured by vegetation.

-A blank parameter result means the parameter could not be measured due to a meter malfunction.

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Lake Name: Deer Park Pond

County: WARREN

SiteID: NJW04459-009

Municipality: ALLAMUCHY TWP

## Lake Profile Raw Data

Season: Summer

| Station | Tot Phos<br>(ug/L) | TKN<br>(mg/L) | Nitrite-Nitrate<br>(mg/L) | Ammonia-N<br>(mg/L) | Chl a<br>(ug/L) | Alk<br>(ppm) | Hard<br>(ppm) | Turbidity<br>(NTU) |
|---------|--------------------|---------------|---------------------------|---------------------|-----------------|--------------|---------------|--------------------|
| 1       | < 38.41            | 0.468         | 0.007                     | 0.032               | 8.1             | 39           | 42.1          | 1.07               |
| 2       | <38.41             | 0.634         | 0.006                     | 0.025               | 44.7            | 38           | 42.3          | 3.99               |

Season: Fall

| Station | Tot Phos<br>(ug/L) | TKN<br>(mg/L) | Nitrite-Nitrate<br>(mg/L) | Ammonia-N<br>(mg/L) | Chl a<br>(ug/L) | Alk<br>(ppm) | Hard<br>(ppm) | Turbidity<br>(NTU) |
|---------|--------------------|---------------|---------------------------|---------------------|-----------------|--------------|---------------|--------------------|
| 1       | 11.61              | 0.436         | <0.006                    | 0.018               | 7.7             | 26           | 37.3          | 0.67               |
| 2       | 14.21              | 0.44          | 0.011                     | 0.038               | 8.1             | 25           | 35.7          | 0.68               |
| outlet  | <10.37             | 0.512         | 0.006                     | 0.021               | 4.6             | 25           | 37.1          | 0.56               |

Sample Device - Horizontal Polycarbonate Sampler

"<" 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.