

# Roosevelt, North 11-0043-01

## Lake Information

**MN Lake ID:** 11-0043-01  
**County:** Cass  
**Ecoregion:** NLF  
**Major Drainage Basin:** UM  
**Latitude/Longitude:** /  
**Years Monitored:** 2017 - 2020  
**Monitored Sites:** 205

[View MPCA CLMP Historical Secchi Data](#)  
[MPCA Assessment Report](#)  
[Search County Monthly Precipitation Data](#)

## Physical Characteristics

**Surface area (acres):** 1511  
**Littoral area (acres):** 390  
**% Littoral area:**  
**Max depth (ft):** 129  
**Max depth (m):**  
**Mean depth (ft):** N/A  
**Watershed size (acres):** N/A  
**Aquatic Invasive Species:**

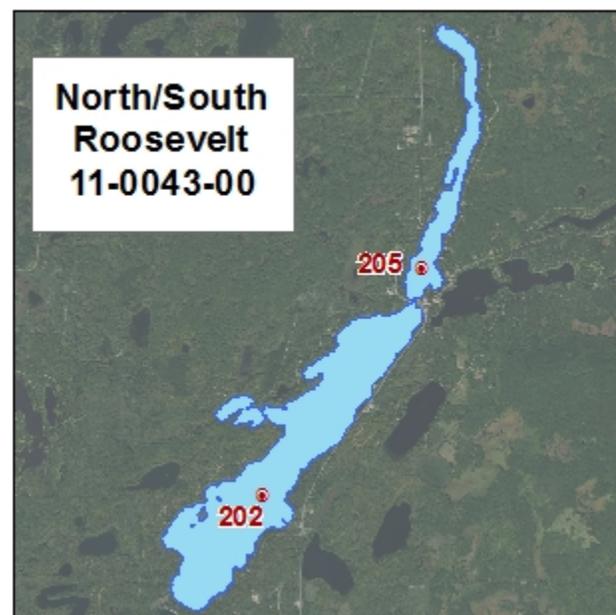
[View MN DNR Fisheries Report](#)  
[View MN DNR Lake Level Report](#)

## Water Quality Characteristics

(data from RMB monitoring database only)

Parameters	Site 205
<b>Total Phosphorus Mean:</b>	24.1
<b>Total Phosphorus Min:</b>	8
<b>Total Phosphorus Max:</b>	170
<b>Number of Observations:</b>	20
<b>Chlorophyll-a Mean:</b>	6.1
<b>Chlorophyll-a Min:</b>	0
<b>Chlorophyll-a Max:</b>	11.6
<b>Number of Observations:</b>	20
<b>Secchi Depth Mean:</b>	9.9
<b>Secchi Depth Min:</b>	8
<b>Secchi Depth Max:</b>	13.1
<b>Number of Observations:</b>	20
<b>Trophic State Index Mean:</b>	45.8

**Trophic State:** Mesotrophic



## Trends

(Primary site only. For detecting trends, a minimum of 8-10 years of consecutive data with 4 or more readings per season are recommended)  
Trend analysis does not take into consideration aquatic invasive species.  
Species like zebra mussels can alter water chemistry over time.

**Years Monitored:** 2017 - 2020  
**Total Phosphorus:** No significant trend exists.  
**Chlorophyll-a:** No significant trend exists.  
**Secchi Depth:** Improving with 80% confidence.  
**Trophic State Index:** No significant trend exists.

## Ecoregion Comparisons

(Primary site only. Comparisons are based on interquartile range, 25th-75th percentile, for ecoregion reference lakes)

**Ecoregion:** NLF  
**Total phosphorus:** Within Expected Range  
**Chlorophyll-a:** Within Expected Range  
**Secchi depth:** Within Expected Range