

# Sugar 86-0233-00

## Lake Information

**MN Lake ID:** 86-0233-00  
**County:** Wright  
**Ecoregion:** NCHF  
**Major Drainage Basin:** UM  
**Latitude/Longitude:** 45.31944444 / -94.03777778  
**Years Monitored:** 2002 - 2021  
**Monitored Sites:** 202

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

## Physical Characteristics

**Surface area (acres):** 1015  
**Littoral area (acres):** 357  
**% Littoral area:**  
**Max depth (ft):** 62  
**Max depth (m):**  
**Mean depth (ft):** N/A  
**Watershed size (acres):** N/A  
**Aquatic Invasive Species:**

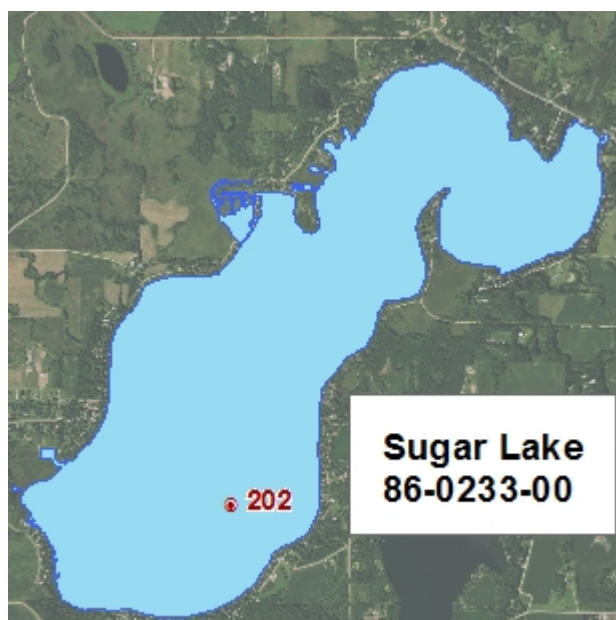
[View MN DNR Fisheries Report](#)  
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## Water Quality Characteristics

(data from RMB monitoring database only)

Parameters	Primary Site 202
<b>Total Phosphorus Mean:</b>	17.2
<b>Total Phosphorus Min:</b>	8
<b>Total Phosphorus Max:</b>	40
<b>Number of Observations:</b>	92
<b>Chlorophyll-a Mean:</b>	6.1
<b>Chlorophyll-a Min:</b>	0
<b>Chlorophyll-a Max:</b>	19
<b>Number of Observations:</b>	92
<b>Secchi Depth Mean:</b>	11.2
<b>Secchi Depth Min:</b>	6.5
<b>Secchi Depth Max:</b>	19
<b>Number of Observations:</b>	90
<b>Trophic State Index Mean:</b>	44.5

**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:** 2002 - 2021  
**Total Phosphorus:** Improving with 99% confidence.  
**Chlorophyll-a:** Improving with 99.9% confidence.  
**Secchi Depth:** Improving with 99.9% confidence.  
**Trophic State Index:** Improving with 99.9% confidence.

## Ecoregion Comparisons

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

**Ecoregion:** NCHF  
**Total phosphorus:** Better Than Expected Range  
**Chlorophyll-a:** Within Expected Range  
**Secchi depth:** Better Than Expected Range