

Roosevelt, South 11-0043-02

Lake Information

MN Lake ID: 11-0043-02
County: Cass
Ecoregion: NLF
Major Drainage Basin: UM
Latitude/Longitude: /
Years Monitored: 2017 - 2020
Monitored Sites: 202

[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:

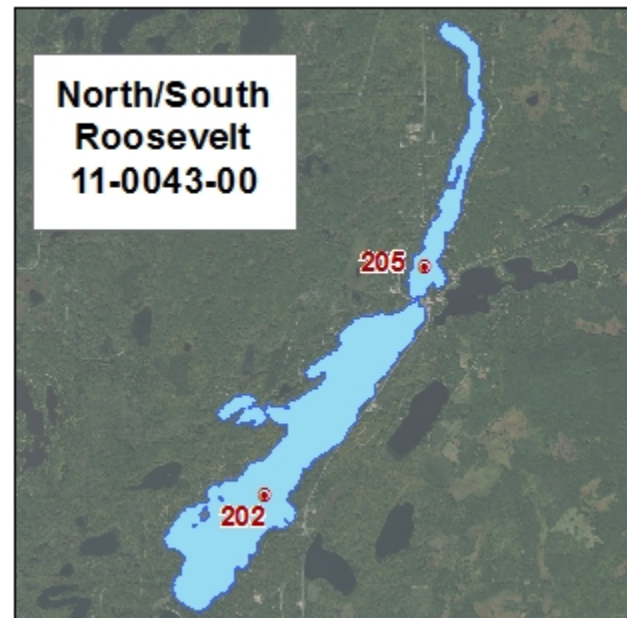
[View MN DNR Fisheries Report](#)
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Water Quality Characteristics

(data from RMB monitoring database only)

Parameters	Site 202
Total Phosphorus Mean:	18
Total Phosphorus Min:	11
Total Phosphorus Max:	30
Number of Observations:	20
Chlorophyll-a Mean:	4.2
Chlorophyll-a Min:	0.4
Chlorophyll-a Max:	10.7
Number of Observations:	20
Secchi Depth Mean:	11.2
Secchi Depth Min:	7
Secchi Depth Max:	16.1
Number of Observations:	20
Trophic State Index Mean:	43.6

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 95% confidence.
Trophic State Index: Improving with 80% confidence.

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