

Spectacle [30-0135-00](#)

Lake Information

MN Lake ID: [30-0135-00](#)
County: Isanti
Ecoregion: NCHF
Major Drainage Basin: UM
Latitude/Longitude: 45.57666667 / -93.40805556
Years Monitored: 2004 - 2022
Monitored Sites: 202

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

Physical Characteristics

Surface area (acres): 240
Littoral area (acres): 157
% Littoral area:
Max depth (ft): 47
Max depth (m):
Mean depth (ft): N/A
Watershed size (acres): N/A
Aquatic Invasive Species:

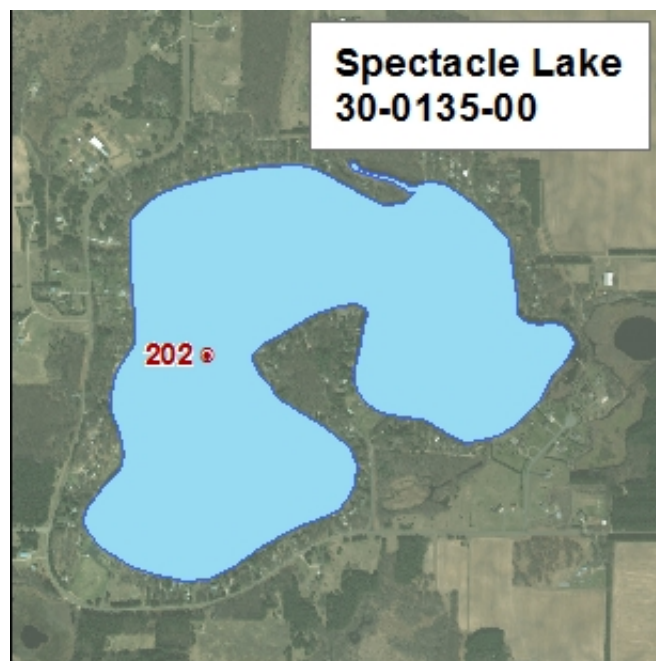
[View MN DNR Fisheries Report](#)
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Water Quality Characteristics

(data from RMB monitoring database only)

Parameters	Primary Site 202
Total Phosphorus Mean:	16.2
Total Phosphorus Min:	6
Total Phosphorus Max:	80
Number of Observations:	87
Chlorophyll-a Mean:	2.8
Chlorophyll-a Min:	0
Chlorophyll-a Max:	8
Number of Observations:	85
Secchi Depth Mean:	15.5
Secchi Depth Min:	0
Secchi Depth Max:	27.8
Number of Observations:	82
Trophic State Index Mean:	39.4

Trophic State: Oligotrophic - 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: 2004 - 2022

Total Phosphorus: Improving with 99.9% confidence.

Chlorophyll-a: No significant trend exists.

Secchi Depth: No significant trend exists.

Trophic State Index: Improving with 99% 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: Better Than Expected Range

Secchi depth: Better Than Expected Range

