Summary
Spider Lake has good water quality that’s better than the expected ecoregion ranges. Long-term trend analysis shows that the water quality is stable. Potential lake impacts could come from shoreline runoff, septic systems and the inlet to the lake. Residents can continue best management practices to protect the water quality into the future.

Lake Vitals
MN Lake ID: 29-0117-01
Ecoregion: Northern Lakes and Forests
Major Drainage Basin: Upper Mississippi River
Surface area (acres): 569
Littoral area (acres): 405
% Littoral area: 71%
Max depth (ft), (m): 96, 29.3
Inlets / Outlets: 1 inlet / 1 outlet
Public Accesses: 1
Development Class: Recreational Development
Aquatic Invasive Species: None Listed

Water Quality Characteristics

Parameters | Historical
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Phosphorus Mean (ug/L): 10.1
Phosphorus Min (ug/L): <5
Phosphorus Max (ug/L): 50.0
Number of Observations: 101
Chlorophyll-a Mean (ug/L): 3.1
Chlorophyll-a Min (ug/L): <1
Chlorophyll-a Max (ug/L): 39.0
Number of Observations: 100
Secchi Depth Mean (ft): 19.0
Secchi Depth Min (ft): 10.0
Secchi Depth Max (ft): 36.0
Number of Observations: 100

Long-term Trends
(Primary site only. Recommend minimum of 8-10 years of data with 4+ readings per season. Minimum confidence accepted by MPCA is 90%)

Data Quality: Excellent
Total Phosphorus: No Significant trend exists
Chlorophyll-a: No Significant trend exists
Secchi Depth: No Significant trend exists

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

Ecoregion: Northern Lakes and Forests
Total Phosphorus: Below Expected range
Chlorophyll-a: Within expected Range
Secchi Depth: Above Expected Range