

# Monthly Individual Lake Report

---

## Lake: Big Stone

Lake MN ID#: 06-0152-00  
Site ID#: 107  
County: Big Stone

Lab Code #: 393993  
Date/Time Sampled: 5/20/2018 - 18:36  
Date/Time Received: 5/22/2018 - 10:49  
Sampler: Robinson, Rick; Robinson, Bernice

## Sample Results

Total Phosphorus: 151 ug/l  
Chlorophyll A: 28.6 ug/l  
Secchi Disk: 12 Feet

## Trophic State Index (TSI) *Calculated*

TSI Phosphorus: 76  
TSI Chlorophyll A: 63  
TSI Secchi: 41  
TSI Month Average: 60  
Trophic State: Eutrophic

## Weather Conditions

Sky Condition: Partly Cloudy  
Wind Direction: Southeast  
Wind Velocity: Moderate 11 - 20 mph mph.  
Water Temperature: N/A °F  
Air Temperature: 72 °F  
Recent Precipitation: N/A in. on N/A

## Recreational Suitability

Color of Water: Tea-stained  
Wave Height (inches): 8 in.  
Physical Condition: Some Algae  
Recreation Suitability: Minor Problems  
Lake Uses Observed: N/A  
Erosion Problems: Agriculture

# Monthly Individual Lake Report

---

## Lake: Big Stone

Lake MN ID#: 06-0152-00  
Site ID#: 107  
County: Big Stone

Lab Code #: 405759  
Date/Time Sampled: 6/25/2018 - 18:30  
Date/Time Received: 6/27/2018 - 10:41  
Sampler: Robinson, Rick; Robinson, Bernice

## Sample Results

Total Phosphorus: 273 ug/l  
Chlorophyll A: 49 ug/l  
Secchi Disk: 1.5 Feet

## Trophic State Index (TSI) *Calculated*

TSI Phosphorus: 85  
TSI Chlorophyll A: 69  
TSI Secchi: 71  
TSI Month Average: 75  
Trophic State: Hypereutrophic

## Weather Conditions

Sky Condition: Partly Cloudy  
Wind Direction: Southeast  
Wind Velocity: Mild 0 - 10 mph mph.  
Water Temperature: N/A °F  
Air Temperature: 75 °F  
Recent Precipitation: 0.01 in. on 6/25/2018 12:00:00 AM

## Recreational Suitability

Color of Water: Green  
Wave Height (inches): 6 in.  
Physical Condition: Some Algae  
Recreation Suitability: Minor Problems  
Lake Uses Observed: N/A  
Erosion Problems: Agriculture

# Monthly Individual Lake Report

---

## Lake: Big Stone

Lake MN ID#: 06-0152-00

Site ID#: 107

County: Big Stone

Lab Code #: 416299

Date/Time Sampled: 7/29/2018 - 19:05

Date/Time Received: 7/31/2018 - 10:40

Sampler: Robinson, Rick; Robinson, Bernice

## Sample Results

Total Phosphorus: 284 ug/l

Chlorophyll A: 18.7 ug/l

Secchi Disk: 3 Feet

## Trophic State Index (TSI) *Calculated*

TSI Phosphorus: 86

TSI Chlorophyll A: 59

TSI Secchi: 61

TSI Month Average: 69

Trophic State: Eutrophic

## Weather Conditions

Sky Condition: Sunny

Wind Direction: East

Wind Velocity: Mild 0 - 10 mph mph.

Water Temperature: 82.4 °F

Air Temperature: 77 °F

Recent Precipitation: 0.5 in. on 7/25/2018 12:00:00 AM

## Recreational Suitability

Color of Water: Clear

Wave Height (inches): 0 in.

Physical Condition: Some Algae

Recreation Suitability: Minor Problems

Lake Uses Observed: Swimming

Fishing

Boating

Erosion Problems: Agriculture

