Lake Name: Bella  
Survey Type: Targeted Survey

DOW Number: 53-0045-00  
Survey ID Date: 05/16/2023

TARGETED SURVEY  
Electrofishing

Lake Identification

<table>
<thead>
<tr>
<th>Alternate Lake Name</th>
<th>DNR Sounding Map Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Primary Lake Class ID</th>
<th>Alternate Lake Class ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>43</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Lake Location

Primary County: Nobles  
Nearest Town: Worthington

Legal Descriptions

Lake Center: Township - 101N  
Range - 40W  
Section - 34

PLS Section Lake Center: 10104034

All Legal Descriptions:

Nobles County: Township - 101N  
Range - 40W  
Sections - 26, 27, 34

Area Office

Area Name: Windom  
Region Name: Southern  
ORG Code: F418  
Region Number: 4

Lake Access

(Information based on Initial Survey dated 06/27/1994)

<table>
<thead>
<tr>
<th>Station ID</th>
<th>Ownership</th>
<th>Public Use</th>
<th>Type</th>
<th>Location / Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC - 1</td>
<td>County</td>
<td>Open to Public use</td>
<td>Concrete</td>
<td>COUNTY OWNED ACCESS AT PARK ON SOUTHEAST SIDE OF LAKE.</td>
</tr>
</tbody>
</table>

Lake Characteristics

<table>
<thead>
<tr>
<th>Lake Area (planimetered acres):</th>
<th>182.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS Lake Area (acres):</td>
<td>179.52</td>
</tr>
<tr>
<td>DOW Lake Area (acres):</td>
<td>182.00</td>
</tr>
<tr>
<td>Littoral Area (acres):</td>
<td>179.51</td>
</tr>
<tr>
<td>Area in MN (acres):</td>
<td>179.52</td>
</tr>
<tr>
<td>Maximum Depth (feet):</td>
<td>14.0</td>
</tr>
<tr>
<td>Mean Depth (feet):</td>
<td>N/A</td>
</tr>
<tr>
<td>GIS Shoreline Length (miles):</td>
<td>6.00</td>
</tr>
<tr>
<td>Maximum Fetch (miles):</td>
<td>1.00</td>
</tr>
<tr>
<td>Fetch Orientation (degrees):</td>
<td>45</td>
</tr>
<tr>
<td>USGS Quad Map Number:</td>
<td>X07d</td>
</tr>
<tr>
<td>USGS Quad 24K GIS Index:</td>
<td>4714</td>
</tr>
</tbody>
</table>

Watershed Characteristics

<table>
<thead>
<tr>
<th>Major Watershed</th>
<th>Minor Watershed</th>
</tr>
</thead>
</table>
| Name: Little Sioux River  
Watershed Number: 84  
Watershed size (acres): 205,753 |
| Name: Ocheyedan R  
Watershed Number: 8  
Watershed size (acres): 7,447 |

Lake Survey Report revision: 20230207-RJE. Data Date: 06/01/2023 at 1:35 pm.
Surveys and Investigations


Water Level History - Readings

<table>
<thead>
<tr>
<th>Station ID</th>
<th>Date</th>
<th>Level</th>
<th>Reading (feet)</th>
<th>Reading Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM - 1</td>
<td>06/19/2017</td>
<td>Normal</td>
<td>-3.50</td>
<td>Above or below Benchmark</td>
</tr>
<tr>
<td>BM - 2</td>
<td>06/19/2017</td>
<td>Normal</td>
<td>10.40</td>
<td>Direct Gauge Reading</td>
</tr>
<tr>
<td></td>
<td>06/23/2011</td>
<td>High</td>
<td>11.40</td>
<td>Above or below Benchmark</td>
</tr>
</tbody>
</table>

Water Level History - Station Summary

<table>
<thead>
<tr>
<th>Station ID</th>
<th>Minimum Level</th>
<th>Maximum Level</th>
<th>Range (feet)</th>
<th>Average Level (feet)</th>
<th>Reading Type (and number of readings)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM - 1</td>
<td>-3.50</td>
<td>-3.50</td>
<td>0.00</td>
<td>-3.50</td>
<td>Above or below Benchmark (1)</td>
</tr>
<tr>
<td>BM - 2</td>
<td>11.40</td>
<td>11.40</td>
<td>0.00</td>
<td>11.40</td>
<td>Above or below Benchmark (1)</td>
</tr>
<tr>
<td>BM - 2</td>
<td>10.40</td>
<td>10.40</td>
<td>0.00</td>
<td>10.40</td>
<td>Direct Gauge Reading (1)</td>
</tr>
</tbody>
</table>

Natural Reproduction Catch Summary for SEF

Special sampling, electrofishing

Number of Stations: 1
Total run-time for all stations: 01:00:00
Total on-time for all stations: 00:21:00
First Sampling Date: 05/16/2023
Last Sampling Date: 05/16/2023
Daylight Sampling: No
Target Species: N/A

<table>
<thead>
<tr>
<th>Abbr</th>
<th>Species</th>
<th>Age</th>
<th>Total Number</th>
<th>Number Measured</th>
<th>Mean Length (inches)</th>
<th>Length Range (inches)</th>
<th>Catch Rates (number per hour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIB</td>
<td>Bigmouth Buffalo</td>
<td>All</td>
<td>29</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
<td>29.00</td>
</tr>
<tr>
<td>FHM</td>
<td>Fathead Minnow</td>
<td>All</td>
<td>1,000</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
<td>1000.00</td>
</tr>
</tbody>
</table>
This DRAFT VERSION of the Lake Survey Report contains preliminary data (as of 06/01/2023), and is therefore subject to change at any time.

Minnesota Department of Natural Resources

By accepting the data in this report, the user agrees the data will be used for personal benefit and not for profit. Any other uses or publication of the data needs the consent of the Department. The Minnesota Department of Natural Resources assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on the data.
Lake Name: Bella
DOW Number: 53-0045-00
Survey Type: Targeted Survey
Survey ID Date: 05/16/2023

Electrofishing

Survey Status: Proposed

The following 27 (of 34) report components are not included in this Lake Survey Report:

1. Current Water Level
2. Benchmark And Gauge Descriptions / Locations
3. Water Level History¹
4. Lake Inlets
5. Additional Inlet Information
6. Lake Outlets
7. Additional Outlet Information
8. Water Control Structure (Dam)
9. Surrounding Watershed Characteristics, Shoreline Characteristics, and Riparian Landscape Observations²
10. Resorts And Campgrounds
11. Fish Spawning Conditions
12. Erosion And Pollution
13. Fish Diseases And Parasites
14. Aquatic Vegetation And Shoalwater Substrates
15. Dissolved Oxygen And Temperature Profile Of Lake Water
16. Field Measurements Of Water Quality
17. Water Quality (Winter Observations) (added to revision 01/21/2010)
18. Laboratory Analysis Of Water Chemistry
19. Zooplankton Sampling (added to revision 20221130)
20. Catch Summary (Pre-1993 Format) (added to revision 20201001)
21. Length Frequency Distributions
22. Length At Capture With Last Incremental Length*
23. Back-Calculated Lengths
24. Age Class Frequency Distributions
25. Other Species (added to revision 03/24/2009)
26. Status Of Fishery And Field Notes
27. Survey Attachments (added to revision 20150622)

¹ Water Level History report: This data has not yet been migrated into the Fisheries LSM database. On 01/08/2009, two additional Water Level History report components (Readings and Station Summary) were added.

² Effective 03/25/2014, the Surrounding Watershed Characteristics, Shoreline Characteristics, and Riparian Landscape Observations report component was modified to be included in the Lake Survey report if it did not include any Watershed and Shoreline characteristics and only consisted of Riparian Landscape Observations.

* Length At Capture With Last Incremental Length report: The following criteria must be met for a report to be generated:
   1. The fish species must have an assigned body scale constant.
   2. Fish must have an "official" age assigned.
   3. Fish must have a digitized measurement marked for back calculation use.

Note: The data source for Length and Age Class Frequency Distribution tables is updated twice daily - once at noon and once overnight. Any changes to the data made after noon on 06/01/2023 may not be reflected in the Distribution tables until 06/02/2023.

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