

Lake Name: First Fulda
DOW Number: 51-0021-00

Survey Type: Targeted Survey
Survey ID Date: 04/24/2023

TARGETED SURVEY
Electrofishing
Gill Netting
Trap Netting

Lake Identification

Alternate Lake Name: N/A
Primary Lake Class ID: 43
DNR Sounding Map Number: C0473
Alternate Lake Class ID: N/A

Lake Location

Primary County: Murray
Nearest Town: Fulda

Legal Descriptions

Lake Center: Township - 105N Range - 40W Section - 36
PLS Section Lake Center: 10504036

All Legal Descriptions:

Murray County: Township - 105N Range - 40W Sections - 35, 36

Area Office

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

Lake Access

(Information based on Re-Survey dated 06/17/1996)

Station ID	Ownership	Public Use	Type	Location / Comments
AC - 2	DNR	Open to Public use	Concrete	STATE OWNED ACCESS ON SOUTH SIDE OF FIRST (SOUTH) LAKE.

(Data excludes records where public use is not designated or is designated "No Public Use")

Lake Characteristics

Lake Area (planimetered acres): 179.00	GIS Shoreline Length (miles): 1.81
GIS Lake Area (acres): 122.71	Maximum Fetch (miles): 1.30
DOW Lake Area (acres): 122.00	Fetch Orientation (degrees): 360
Littoral Area (acres): 122.71	USGS Quad Map Number: W07d
Area in MN (acres): 122.71	USGS Quad 24K GIS Index: 4514
Maximum Depth (feet): 7.0	
Mean Depth (feet): N/A	

Watershed Characteristics

Major Watershed

Name: Des Moines-Headwaters
 Watershed Number: 51
 Watershed size (acres): 798,595

Minor Watershed

Name: From Fulda L
 Watershed Number: 30
 Watershed size (acres): 10,001

Surveys and Investigations

Initial Survey: 06/26/1984.
Re-Survey: 06/13/2011, 06/17/1996, 06/19/1989.
Population Assessment: 06/14/2004, 06/12/2000.
Special Assessment: 07/02/2013, 08/19/2011, 05/02/2001, 06/15/1992.
Dissolved Oxygen Check: 01/19/2016, 02/19/2015, 12/30/2013, 02/06/2013, 01/03/2013, 01/10/2012, 12/30/2010, 01/05/2010.
Research Survey: 04/15/1991, 05/30/1990, 10/17/1989.
Standard Survey: 05/28/2019, 07/06/2015.
Targeted Survey: 04/24/2023, 02/06/2020, 02/21/2019, 01/19/2018.

Water Level History - Readings

<u>Station ID</u>	<u>Date</u>	<u>Level</u>	<u>Reading (feet)</u>	<u>Reading Type</u>
BM - 1	06/24/2019	Normal	6.00	Direct Gauge Reading
	07/06/2015	Normal	5.56	Above or below Benchmark
	06/15/2011	High	5.85	Direct Gauge Reading

Water Level History - Station Summary

<u>Station ID</u>	<u>Minimum Level</u>		<u>Maximum Level</u>		<u>Range (feet)</u>	<u>Average Level (feet)</u>	<u>Reading Type (and number of readings)</u>
	<u>Feet</u>	<u>Date</u>	<u>Feet</u>	<u>Date</u>			
BM - 1	5.56	07/06/2015	5.56	07/06/2015	0.00	5.56	Above or below Benchmark (1)
BM - 1	5.85	06/15/2011	6.00	06/24/2019	0.15	5.93	Direct Gauge Reading (2)

Net Catch Summary by Numbers for GN

Standard gill net sets

Number of Sets: 1
First Set Date: 05/04/2023
Last Lift Date: 05/05/2023
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43 ¹		
				25%	50%	75%
(No fish taken)						

Net Catch Summary by Weight for GN

Standard gill net sets

Abbr	Species	Total Weight (Pounds)	Pounds Per Set	Mean Weight ²	Quartiles for Lake Class 43 ¹		
					25%	50%	75%
(No fish taken)							

Net Catch Summary by Numbers for TN

Standard 3/4-in mesh, double frame trap net sets

Number of Sets: 1
 First Set Date: 05/04/2023
 Last Lift Date: 05/05/2023
 Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43 ¹		
				25%	50%	75%
YEP	Yellow Perch	102	102.00	0.33	1.37	3.76
Total Fish/Set:			102.00	¹ Quartiles for Number Per Set		

Net Catch Summary by Weight for TN

Standard 3/4-in mesh, double frame trap net sets

Abbr	Species	Total Weight (Pounds)	Pounds Per Set	Mean Weight ²	Quartiles for Lake Class 43 ¹		
					25%	50%	75%
YEP	Yellow Perch	0.00	0.00	N/A	0.11	0.18	0.30
Total Pounds Fish/Set:			0.00	¹ Quartiles for Mean Weight			

² Mean Weights are based on measured fish counts only.

Natural Reproduction Catch Summary for SEF

Special sampling, electrofishing

Number of Stations: 1
Total run-time for all stations: 00:10:00
Total on-time for all stations: 00:10:00
First Sampling Date: 04/24/2023
Last Sampling Date: 04/24/2023
Daylight Sampling: Yes
Target Species: N/A

Abbr	Species	Age	Total Number	Number Measured	Mean Length (inches)	Length Range (inches)		Catch Rates (number per hour)	
						Min	Max	Run-Time	On-Time
(No fish taken)									

Approval Dates And Notices

Date Approved By Windom Area Fisheries Supervisor: _____

Date Approved By Southern Region Fisheries Manager: _____

This DRAFT VERSION of the Lake Survey Report contains preliminary data (as of 05/11/2023), and is therefore subject to change at any time.



Minnesota Department of Natural Resources



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REPORT OVERVIEW - FOR OFFICE USE ONLY

(This page is not part of the Lake Survey Report and should be discarded)

Lake Name: First Fulda
DOW Number: 51-0021-00

Survey Type: Targeted Survey
Survey ID Date: 04/24/2023

Electrofishing, Gill Netting, Trap Netting

Survey Status: Field Work Complete

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 05/11/2023 may not be reflected in the Distribution tables until 05/12/2023.

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