DEPARTMENT OF NATURAL RESOURCES

Fisheries Management

LAKE SURVEY REPORT

DRAFT VERSION

PRELIMINARY DATA (AS OF 06/26/2025)

Lake Name: Wilson | **Survey Type: Standard Survey**

DOW Number: 51-0081-00 | **Survey ID Date: 06/16/2025**

Lake Identification

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

Lake Location

Primary County:	Murray	Nearest Town:	Lake Wilson

Legal Descriptions

Lake Center: Township - 106N Range - 42W Section - 18

PLS Section Lake Center: 10604218

All Legal Descriptions:

Murray County: Township - 106N Range - 42W Section - 18

Area Office

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

Lake Access

(Information based on Population Assessment dated 06/11/2001)

Station ID	Ownership	Public Use	Type	Location / Comments

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

Lake Characteristics

Lake Area (planimetered acres):	170.00	GIS Shoreline Length (miles):	3.03
GIS Lake Area (acres):	179.00	Maximum Fetch (miles):	1.00
DOW Lake Area (acres):	164.00	Fetch Orientation (degrees):	292
Littoral Area (acres):	179.00	USGS Quad Map Number:	W06b
Area in MN (acres):	179.00	USGS Quad 24K GIS Index:	4411
Maximum Depth (feet):	8.0		
Mean Depth (feet):	N/A		

Watershed Characteristics

Major Watershed		Minor Watershed	
Name:	Des Moines-Headwaters	Name:	Jud Ditch #14
Watershed Number:	51	Watershed Number:	71
Watershed size (acres):	798,595	Watershed size (acres):	21,701

Surveys and Investigations

Initial Survey: 06/05/1989.
Re-Survey: 06/11/2007.
Population Assessment: 06/10/2013, 06/11/2001.
Special Assessment: 07/02/2013, 04/24/1995.
Winter Kill Assessment: 05/08/2014.
Dissolved Oxygen Check: 02/17/2016, 02/19/2015, 01/02/2014, 02/06/2013, 01/03/2013, 01/10/2012, 12/29/201
01/05/2010.
Standard Survey: 06/16/2025.
Targeted Survey: 09/21/2023, 02/06/2020, 04/24/2019, 01/19/2018, 07/31/2015.

Water Level History - Readings

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	06/12/2013	Normal	-2.40	Above or below Benchmark
	06/13/2007	Normal	1.70	Above or below Benchmark

Water Level History - Station Summary

Station ID	Minimum Level Feet	Minimum Level Date	Maximum Level Feet	Maximum Level Date	Range (feet)	Average Level (feet)	Reading Type (and number of readings)
BM - 1	-2.40	06/12/2013	1.70	06/13/2007	4.10	-0.35	Above or below Benchmark (2)

Dissolved Oxygen and Temperature Profile of Lake Water

Station ID	Sampling Date	Bottom Depth (Feet)	Sample Depth (Feet)	Water Temperature (°F)	Dissolved Oxygen (ppm)
WQ - 1	06/16/2025	8.4	Surface	68.5	9.6
			1.0	68.5	9.3
			2.0	68.4	8.9
			3.0	68.4	8.7
			4.0	68.0	8.4
			5.0	68.0	8.3
			6.0	68.0	8.1
			7.0	67.8	7.7
			8.0	67.8	7.5

Field Measurements of Water Quality

Station ID	Sampling Date	Sample Depth (Feet)	Secchi Depth (Feet)	Field pH	Alkalinity (ppm)	Water Color	Color Cause
WQ - 1	06/16/2025	Surface	0.9	9.08	360	Brown	Algae

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Net Catch Summary by Numbers for GN

Standard gill net sets

Number of Sets: 2
First Set Date: 06/16/2025
Last Lift Date: 06/18/2025
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43[1] 25%	50%	75%
BIB	Bigmouth Buffalo	3	1.50	0.75	2.58	6.96
BLB	Black Bullhead	25	12.50	30.34	75.58	150.62
BLC	Black Crappie	3	1.50	1.41	3.71	13.75
CCF	Channel Catfish	13	6.50	N/A	N/A	N/A
CAP	Common Carp	17	8.50	1.00	3.33	13.75
WAE	Walleye	8	4.00	2.28	6.83	18.06
YEP	Yellow Perch	7	3.50	2.65	8.00	25.00
	Total Fish/Set:		38.00	[1] Quartiles for Number Per Set		

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%
BIB	Bigmouth Buffalo	15.17	7.58	6.05	N/A	N/A	N/A
BLB	Black Bullhead	5.12	2.56	0.20	0.17	0.26	0.39
BLC	Black Crappie	0.22	0.11	0.07	0.16	0.25	0.35
CCF	Channel Catfish	13.20	6.60	1.02	N/A	N/A	N/A
CAP	Common Carp	44.19	22.10	2.60	0.81	1.98	3.70
WAE	Walleye	6.51	3.25	0.81	1.01	1.53	2.30
YEP	Yellow Perch	1.87	0.94	0.27	0.13	0.21	0.31
	Total Pounds Fish/Set:		43.14		[1] Quartiles for Mean Weight		

[2] Mean Weights are based on measured fish counts only.

Net Catch Summary by Numbers for TN

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

Number of Sets: 6
First Set Date: 06/16/2025
Last Lift Date: 06/18/2025
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43[1] 25%	50%	75%
BIB	Bigmouth Buffalo	2	0.33	0.17	0.38	1.04
BLB	Black Bullhead	89	14.83	11.50	42.00	132.61
BLC	Black Crappie	85	14.17	1.17	4.88	20.50
CCF	Channel Catfish	1	0.17	N/A	N/A	N/A
CAP	Common Carp	3	0.50	1.00	2.44	5.51
GSF	Green Sunfish	11	1.83	0.15	0.25	1.94
WAE	Walleye	7	1.17	0.50	1.33	2.95
WTS	White Sucker	3	0.50	0.34	0.88	2.58
YEB	Yellow Bullhead	10	1.67	0.50	1.13	2.50
YEP	Yellow Perch	3	0.50	0.33	1.37	3.76
	Total Fish/Set:		35.67	[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%
BIB	Bigmouth Buffalo	8.62	1.44	4.31	2.56	3.75	5.83
BLB	Black Bullhead	19.58	3.26	0.22	0.18	0.28	0.40
BLC	Black Crappie	32.19	5.36	0.38	0.22	0.34	0.50
CCF	Channel Catfish	1.98	0.33	1.98	N/A	N/A	N/A
CAP	Common Carp	13.34	2.22	4.45	1.42	2.92	4.58
GSF	Green Sunfish	1.19	0.20	0.11	0.09	0.11	0.24
WAE	Walleye	7.23	1.21	1.03	0.82	1.44	2.28
WTS	White Sucker	5.83	0.97	1.94	1.05	1.47	2.04
YEB	Yellow Bullhead	4.61	0.77	0.46	0.31	0.48	0.67
YEP	Yellow Perch	0.69	0.12	0.23	0.11	0.18	0.30
	Total Pounds Fish/Set:		15.88		[1] Quartiles for Mean Weight		

[2] Mean Weights are based on measured fish counts only.

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Length Frequency Distribution for GN

Standard gill net sets

(Field work conducted between 06/16/2025 and 06/18/2025)

	BIB	BLB	BLC	CAP	CCF	WAE	YEP
< 3.00	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-	-	-
4.00 - 4.49	-	-	2	-	-	-	-
4.50 - 4.99	-	-	-	-	-	-	-
5.00 - 5.49	-	-	-	-	-	-	-
5.50 - 5.99	-	-	-	-	-	-	-
6.00 - 6.49	-	-	1	-	-	-	-
6.50 - 6.99	-	7	-	-	-	-	-
7.00 - 7.49	-	14	-	-	-	2	1
7.50 - 7.99	-	4	-	-	-	1	2
8.00 - 8.49	-	-	-	-	-	3	2
8.50 - 8.99	-	-	-	-	-	1	2
9.00 - 9.49	-	-	-	-	-	-	-
9.50 - 9.99	-	-	-	-	-	-	-
10.00 - 10.49	-	-	-	-	-	-	-
10.50 - 10.99	-	-	-	-	2	-	-
11.00 - 11.49	-	-	-	-	4	-	-
11.50 - 11.99	-	-	-	1	1	-	-
12.00 - 12.99	-	-	-	4	-	-	-
13.00 - 13.99	-	-	-	3	-	-	-
14.00 - 14.99	-	-	-	-	-	-	-
15.00 - 15.99	-	-	-	-	-	-	-
16.00 - 16.99	-	-	-	2	1	-	-
17.00 - 17.99	2	-	-	-	3	-	-
18.00 - 18.99	-	-	-	1	2	-	-
19.00 - 19.99	-	-	-	2	-	-	-
20.00 - 20.99	-	-	-	1	-	-	-
21.00 - 21.99	-	-	-	1	-	-	-
22.00 - 22.99	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	-	-	1	-
24.00 - 24.99	1	-	-	2	-	-	-
25.00 - 25.99	-	-	-	-	-	-	-
26.00 - 26.99	-	-	-	-	-	-	-
27.00 - 27.99	-	-	-	-	-	-	-
28.00 - 28.99	-	-	-	-	-	-	-
29.00 - 29.99	-	-	-	-	-	-	-
30.00 - 30.99	-	-	-	-	-	-	-
31.00 - 31.99	-	-	-	-	-	-	-
32.00 - 32.99	-	-	-	-	-	-	-
33.00 - 33.99	-	-	-	-	-	-	-
34.00 - 34.99	-	-	-	-	-	-	-
35.00 - 35.99	-	-	-	-	-	-	-
= > 36.00	-	-	-	-	-	-	-

	BIB	BLB	BLC	CAP	CCF	WAE	YEP
Total	3	25	3	17	13	8	7
Min. Length	17.17	6.73	4.17	11.65	10.55	7.36	7.24
Max. Length	24.61	7.52	6.10	24.69	18.62	23.46	8.98
Mean Length	20.89	7.17	4.83	16.60	14.16	9.91	8.12
# Measured	2	25	3	17	13	8	7
No Lengths for	1	0	0	0	0	0	0

Note: Unless all fish were measured in the catch, totals shown for some length-frequency distributions may differ from the total number of fish in the catch, due to rounding of fractions used in the estimation of length frequency from a subsample of measured fish.

Length Frequency Distribution for TN

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

(Field work conducted between 06/16/2025 and 06/18/2025)

	BIB	BLB	BLC	CAP	CCF	GSF	WAE	WTS	YEB	YEP
< 3.00	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-	-	-	-	-	-
4.00 - 4.49	-	-	-	-	-	-	-	-	-	-
4.50 - 4.99	-	-	-	-	-	4	-	-	-	-
5.00 - 5.49	-	-	-	-	-	3	-	-	-	-
5.50 - 5.99	-	-	-	-	-	2	-	-	-	-
6.00 - 6.49	-	-	5	-	-	1	-	1	1	-
6.50 - 6.99	-	11	20	-	-	-	-	-	-	-
7.00 - 7.49	-	35	15	-	-	-	-	-	1	1
7.50 - 7.99	-	36	5	-	-	-	2	-	2	1
8.00 - 8.49	-	6	7	-	-	-	1	-	-	-
8.50 - 8.99	-	1	13	-	-	-	-	-	-	-
9.00 - 9.49	-	-	-	-	-	-	-	-	1	1
9.50 - 9.99	-	-	-	-	-	-	-	-	3	-
10.00 - 10.49	-	-	1	-	-	-	-	-	-	-
10.50 - 10.99	-	-	4	-	-	-	-	-	-	-
11.00 - 11.49	-	-	3	-	-	-	-	-	-	-
11.50 - 11.99	-	-	7	-	-	-	-	-	1	-
12.00 - 12.99	-	-	3	1	-	-	-	-	-	-
13.00 - 13.99	-	-	-	-	-	-	-	-	1	-
14.00 - 14.99	-	-	-	-	-	-	-	-	-	-
15.00 - 15.99	-	-	-	-	-	-	2	-	-	-
16.00 - 16.99	1	-	-	-	-	-	1	-	-	-
17.00 - 17.99	-	-	-	-	-	-	-	2	-	-
18.00 - 18.99	-	-	-	-	1	-	1	-	-	-
19.00 - 19.99	-	-	-	-	-	-	-	-	-	-
20.00 - 20.99	-	-	-	1	-	-	-	-	-	-
21.00 - 21.99	-	-	-	-	-	-	-	-	-	-
22.00 - 22.99	1	-	-	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	-	-	-	-	-	-	-
24.00 - 24.99	-	-	-	-	-	-	-	-	-	-
25.00 - 25.99	-	-	-	-	-	-	-	-	-	-
26.00 - 26.99	-	-	-	-	-	-	-	-	-	-
27.00 - 27.99	-	-	-	1	-	-	-	-	-	-
28.00 - 28.99	-	-	-	-	-	-	-	-	-	-
29.00 - 29.99	-	-	-	-	-	-	-	-	-	-
30.00 - 30.99	-	-	-	-	-	-	-	-	-	-
31.00 - 31.99	-	-	-	-	-	-	-	-	-	-
32.00 - 32.99	-	-	-	-	-	-	-	-	-	-
33.00 - 33.99	-	-	-	-	-	-	-	-	-	-
34.00 - 34.99	-	-	-	-	-	-	-	-	-	-
35.00 - 35.99	-	-	-	-	-	-	-	-	-	-
= > 36.00	-	-	-	-	-	-	-	-	-	-

	BIB	BLB	BLC	CAP	CCF	GSF	WAE	WTS	YEB	YEP
Total	2	89	83	3	1	10	7	3	10	3
Min. Length	16.54	6.54	6.34	12.76	18.19	4.65	7.76	6.30	6.18	7.13
Max. Length	22.36	8.70	12.09	27.72	18.19	6.30	18.58	17.36	13.43	9.09
Mean Length	19.45	7.41	8.29	20.17	18.19	5.22	12.85	13.65	9.24	8.07
# Measured	2	84	83	3	1	10	7	3	10	3
No Lengths for	0	5	2	0	0	1	0	0	0	0

Note: Unless all fish were measured in the catch, totals shown for some length-frequency distributions may differ from the total number of fish in the catch, due to rounding of fractions used in the estimation of length frequency from a subsample of measured fish.

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Other Species

Gear Type (1)	Other Species (Gender) (2)	Total Num	Number Measured	Length (inches) Min - Mean - Max	Number Weighed	Weight (pounds) Min - Mean - Max
TN	Snapping Turtle	1	1	10.43	0	N/A

(1) Key to sampling gear abbreviations:
TN = Standard 3/4-in mesh, double frame trap net sets

(2) Gender: If identified and reported.

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 06/26/2025), and is therefore subject to change at any time.

REPORT OVERVIEW - FOR OFFICE USE ONLY

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

Lake Name: Wilson **Survey Type: Standard Survey**

DOW Number: 51-0081-00 **Survey ID Date: 06/16/2025**

Survey Status: Field Work Complete

The following 23 (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 History[1]
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 Observations[2]
10. Resorts And Campgrounds
11. Fish Spawning Conditions
12. Erosion And Pollution
13. Fish Diseases And Parasites
14. Aquatic Vegetation And Shoalwater Substrates
15. Water Quality (Winter Observations) (added to revision 01/21/2010)
16. Laboratory Analysis Of Water Chemistry
17. Zooplankton Sampling (added to revision 20221130)
18. Catch Summary (Pre-1993 Format) (added to revision 20201001)
19. Length At Capture With Last Incremental Length*
20. Back-Calculated Lengths
21. Age Class Frequency Distributions
22. Status Of Fishery And Field Notes
23. 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 before noon on 06/26/2025 may not be reflected in the Distribution tables until after 12:30 pm on 06/26/2025.

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