

Lake Name: Sisseton

Survey Type: Standard Survey

DOW Number: 46-0025-00

Survey ID Date: 08/14/2023

Lake Identification

Alternate Lake Name: N/A
Primary Lake Class ID: 24

DNR Sounding Map Number: C0460
Alternate Lake Class ID: N/A

Lake Location

Primary County: Martin

Nearest Town: Fairmont

Legal Descriptions

Lake Center: Township - 102N Range - 30W Section - 8
PLS Section Lake Center: 10203008

All Legal Descriptions:

Martin County: Township - 102N Range - 30W Sections - 7, 8

Area Office

Area Name: Windom
Region Name: Southern

ORG Code: F418
Region Number: 4

Lake Access

(Information based on Re-Survey dated 08/16/1993)

<u>Station ID</u>	<u>Ownership</u>	<u>Public Use</u>	<u>Type</u>	<u>Location / Comments</u>
AC - 1	City	Open to Public use	Concrete	CITY PARK ON THE EAST.

Lake Characteristics

Lake Area (planimetered acres): 140.00	GIS Shoreline Length (miles): 2.78
GIS Lake Area (acres): 138.20	Maximum Fetch (miles): 0.70
DOW Lake Area (acres): 139.00	Fetch Orientation (degrees): 337
Littoral Area (acres): 100.00	USGS Quad Map Number: X12b
Area in MN (acres): 138.20	USGS Quad 24K GIS Index: 4623
Maximum Depth (feet): 19.0	
Mean Depth (feet): N/A	

Watershed Characteristics

Major Watershed

Name: Blue Earth River
Watershed Number: 30
Watershed size (acres): 777,240

Minor Watershed

Name: Center Cr
Watershed Number: 67
Watershed size (acres): 8,071

Surveys and Investigations

Re-Survey: 08/20/2001, 08/16/1993, 07/03/1984.
Population Assessment: 08/19/2013, 08/22/2005, 08/18/1997, 08/14/1989.
Dissolved Oxygen Check: 02/11/2016, 02/24/2015, 01/03/2014, 01/08/2013, 12/28/2012, 02/16/2012, 12/29/20101/15/2010.
External Management Survey: 07/31/2014.
Standard Survey: 08/14/2023, 08/21/2018.
Targeted Survey: 06/21/2023, 02/03/2020, 02/19/2019, 07/06/2018, 06/26/2018, 01/18/2018.

Current Water Level

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	08/16/2023	N/A	N/A	Destroyed
GA - 1	08/16/2023	Low	1.10	Direct Gauge Reading

Benchmark and Gauge Descriptions / Locations

Station ID	Location Description
BM - 1	abandoned. new bridge built.
GA - 1	gauge on upstream south wing wall face

Water Level History - Readings

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	08/16/2023	N/A	N/A	Destroyed
BM - 2	08/22/2013	N/A	-7.70	Above or below Benchmark
GA - 1	08/16/2023	Low	1.10	Direct Gauge Reading

Water Level History - Station Summary

Station ID	Minimum Level		Maximum Level		Range (feet)	Average Level (feet)	Reading Type (and number of readings)
	Feet	Date	Feet	Date			
BM - 1	N/A	N/A	N/A	N/A	N/A	N/A	Destroyed - 08/16/2023 (0)
BM - 2	-7.70	08/22/2013	-7.70	08/22/2013	0.00	-7.70	Above or below Benchmark (1)
GA - 1	1.10	08/16/2023	1.10	08/16/2023	0.00	1.10	Direct Gauge Reading (1)

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	08/14/2023	17.1	Surface	75.9	7.0
			2.0	75.9	6.9
			4.0	75.9	6.8
			6.0	75.9	6.7
			8.0	75.9	7.2
			10.0	75.9	6.8
			12.0	75.9	5.7
			14.0	72.5	0.2
			16.0	70.2	0.0
			17.0	68.4	0.0

Field Measurements of Water Quality

<u>Station ID</u>	<u>Sampling Date</u>	<u>Sample Depth (Feet)</u>	<u>Secchi Depth (Feet)</u>	<u>Field pH</u>	<u>Alkalinity (ppm)</u>	<u>Water Color</u>	<u>Color Cause</u>
WQ - 1	08/14/2023	Surface	1.1	9.20	180	Green	Algae

Net Catch Summary by Numbers for GN

Standard gill net sets

Number of Sets: 2
First Set Date: 08/14/2023
Last Lift Date: 08/16/2023
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 24 ¹		
				25%	50%	75%
BIB	Bigmouth Buffalo	1	0.50	0.25	0.55	1.69
BLC	Black Crappie	6	3.00	2.50	6.91	16.50
CCF	Channel Catfish	4	2.00	N/A	N/A	N/A
CAP	Common Carp	1	0.50	0.33	1.00	3.00
FRD	Freshwater Drum	99	49.50	4.00	11.75	32.25
GOS	Golden Shiner	1	0.50	0.25	0.50	1.54
LMB	Largemouth Bass	7	3.50	0.25	0.50	0.83
WAE	Walleye	15	7.50	1.17	2.82	6.33
WTS	White Sucker	1	0.50	0.40	1.00	2.17
YLB	Yellow Bass	166	83.00	N/A	N/A	N/A
YEB	Yellow Bullhead	6	3.00	0.50	2.00	7.51
YEP	Yellow Perch	12	6.00	2.00	10.50	27.94
Total Fish/Set:			159.50	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 24 ¹		
					25%	50%	75%
BIB	Bigmouth Buffalo	0.07	0.04	0.07	N/A	N/A	N/A
BLC	Black Crappie	2.91	1.45	0.48	0.15	0.20	0.26
CCF	Channel Catfish	3.23	1.62	0.81	N/A	N/A	N/A
CAP	Common Carp	7.28	3.64	7.28	1.87	3.41	5.24
FRD	Freshwater Drum	82.37	41.18	0.83	0.25	0.50	1.13
GOS	Golden Shiner	0.10	0.05	0.10	0.10	0.10	0.13
LMB	Largemouth Bass	0.77	0.39	0.11	0.40	0.60	1.00
WAE	Walleye	13.42	6.71	0.95	1.20	1.81	2.69
WTS	White Sucker	2.32	1.16	2.32	1.55	2.00	2.38
YLB	Yellow Bass	42.35	21.17	0.26	N/A	N/A	N/A
YEB	Yellow Bullhead	2.92	1.46	0.49	0.46	0.61	0.82
YEP	Yellow Perch	2.14	1.07	0.18	0.10	0.13	0.18
Total Pounds Fish/Set:			79.93	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: 8
First Set Date: 08/14/2023
Last Lift Date: 08/17/2023
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 24 ¹		
				25%	50%	75%
BIB	Bigmouth Buffalo	5	0.63	0.20	0.25	0.75
BLB	Black Bullhead	2	0.25	0.71	3.75	25.65
BLC	Black Crappie	131	16.38	1.83	6.50	21.16
BLG	Bluegill	24	3.00	7.54	23.13	62.50
CCF	Channel Catfish	17	2.13	N/A	N/A	N/A
CAP	Common Carp	3	0.38	0.38	0.74	2.00
FRD	Freshwater Drum	62	7.75	0.50	1.17	4.19
GOS	Golden Shiner	22	2.75	0.17	0.30	0.83
LMB	Largemouth Bass	14	1.75	0.20	0.33	0.67
MUE	Muskellunge	1	0.13	0.35	0.43	0.52
NOP	Northern Pike	5	0.63	N/A	N/A	N/A
QBS	Quillback	1	0.13	N/A	N/A	N/A
WAE	Walleye	36	4.50	0.27	0.60	1.24
WHC	White Crappie	1	0.13	0.50	1.50	6.55
WTS	White Sucker	20	2.50	0.20	0.44	1.00
YLB	Yellow Bass	21	2.63	N/A	N/A	N/A
YEB	Yellow Bullhead	9	1.13	0.88	2.15	5.68
YEP	Yellow Perch	11	1.38	0.25	0.60	1.67
Total Fish/Set:			48.13	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 24 ¹		
					25%	50%	75%
BIB	Bigmouth Buffalo	28.79	3.60	5.76	2.50	4.13	5.65
BLB	Black Bullhead	1.06	0.13	0.53	0.28	0.43	0.62
BLC	Black Crappie	32.14	4.02	0.24	0.18	0.24	0.33
BLG	Bluegill	7.74	0.97	0.32	0.13	0.18	0.25
CCF	Channel Catfish	49.23	6.15	2.90	N/A	N/A	N/A
CAP	Common Carp	15.94	1.99	5.31	2.58	4.07	6.02
FRD	Freshwater Drum	59.08	7.39	0.95	0.43	0.79	1.21
GOS	Golden Shiner	1.54	0.19	0.07	0.07	0.10	0.13
LMB	Largemouth Bass	1.05	0.13	0.08	0.15	0.31	0.91
MUE	Muskellunge	12.68	1.58	12.68	1.45	3.14	6.96
NOP	Northern Pike	33.19	4.15	6.64	N/A	N/A	N/A
QBS	Quillback	2.87	0.36	2.87	N/A	N/A	N/A
WAE	Walleye	56.43	7.05	1.60	0.80	1.50	2.78
WHC	White Crappie	0.33	0.04	0.33	0.23	0.30	0.40
WTS	White Sucker	53.85	6.73	2.69	1.61	2.16	2.84
YLB	Yellow Bass	5.32	0.67	0.25	N/A	N/A	N/A
YEB	Yellow Bullhead	4.39	0.55	0.49	0.50	0.67	0.84
YEP	Yellow Perch	2.13	0.27	0.19	0.10	0.13	0.20
Total Pounds Fish/Set:			45.97	1 Quartiles for Mean Weight			

² Mean Weights are based on measured fish counts only.

LAKE SURVEY REPORT
STANDARD SURVEY DATED 08/14/2023 FOR DOW NUMBER 46-0025-00

DRAFT

Length Frequency Distribution for GN

Standard gill net sets

(Field work conducted between 08/14/2023 and 08/16/2023)

	<u>BIB</u>	<u>BLC</u>	<u>YBLC</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>GOS</u>	<u>LMB</u>	<u>WAE</u>	<u>WTS</u>	<u>YEB</u>	<u>YEP</u>	<u>YLB</u>
< 3.00	-	-	1	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-	-	-	-	-	-	-	-	-
4.00 - 4.49	-	-	-	-	-	-	-	-	-	-	-	-	-
4.50 - 4.99	1	-	1	-	-	-	-	-	-	-	-	-	-
5.00 - 5.49	-	-	-	-	-	2	-	2	-	-	-	-	-
5.50 - 5.99	-	-	-	-	-	-	1	2	-	-	-	-	8
6.00 - 6.49	-	-	-	-	-	1	-	2	-	-	-	-	50
6.50 - 6.99	-	-	-	-	-	-	-	-	4	-	-	4	30
7.00 - 7.49	-	-	-	-	-	-	-	-	4	-	1	4	5
7.50 - 7.99	-	-	-	-	-	-	-	-	1	-	-	3	1
8.00 - 8.49	-	-	-	-	-	-	-	-	-	-	-	1	10
8.50 - 8.99	-	-	-	-	-	1	-	-	-	-	2	-	42
9.00 - 9.49	-	-	-	-	1	1	-	-	-	-	-	-	14
9.50 - 9.99	-	2	-	-	-	2	-	-	-	-	1	-	1
10.00 - 10.49	-	1	-	-	-	-	-	-	-	-	1	-	5
10.50 - 10.99	-	-	-	-	-	-	-	-	-	-	1	-	-
11.00 - 11.49	-	1	-	-	-	-	-	-	-	-	-	-	-
11.50 - 11.99	-	-	-	-	-	3	-	-	-	-	-	-	-
12.00 - 12.99	-	-	-	-	-	68	-	-	1	-	-	-	-
13.00 - 13.99	-	-	-	-	-	19	-	-	-	-	-	-	-
14.00 - 14.99	-	-	-	-	1	1	-	-	1	-	-	-	-
15.00 - 15.99	-	-	-	-	2	-	-	-	-	-	-	-	-
16.00 - 16.99	-	-	-	-	-	-	-	-	1	-	-	-	-
17.00 - 17.99	-	-	-	-	-	1	-	-	-	1	-	-	-
18.00 - 18.99	-	-	-	-	-	-	-	-	-	-	-	-	-
19.00 - 19.99	-	-	-	-	-	-	-	-	-	-	-	-	-
20.00 - 20.99	-	-	-	-	-	-	-	-	1	-	-	-	-
21.00 - 21.99	-	-	-	-	-	-	-	-	-	-	-	-	-
22.00 - 22.99	-	-	-	-	-	-	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	-	-	-	-	-	-	-	-	-	-
24.00 - 24.99	-	-	-	-	-	-	-	-	-	-	-	-	-
25.00 - 25.99	-	-	-	1	-	-	-	-	-	-	-	-	-
26.00 - 26.99	-	-	-	-	-	-	-	-	1	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-

	<u>BIB</u>	<u>BLC</u>	<u>YBLC</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>GOS</u>	<u>LMB</u>	<u>WAE</u>	<u>WTS</u>	<u>YEB</u>	<u>YEP</u>	<u>YLB</u>
Total	1	4	2	1	4	99	1	6	14	1	6	12	166
Min. Length	4.72	9.57	2.95	25.00	9.09	5.08	5.71	5.43	6.73	17.20	7.24	6.54	5.79
Max. Length	4.72	11.30	4.53	25.00	15.47	17.36	5.71	6.06	26.42	17.20	10.94	8.03	10.08
Mean Length	4.72	10.20	3.74	25.00	13.59	12.40	5.71	5.68	11.12	17.20	9.24	7.20	7.54
# Measured	1	4	2	1	4	98	1	3	14	1	6	12	140
No Lengths for	0	0	0	0	0	1	0	4	1	0	0	0	26

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 (for fish < 36.00 inches)

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

(Field work conducted between 08/14/2023 and 08/17/2023)

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>GOS</u>	<u>LMB</u>	<u>MUE</u>	<u>NOP</u>	<u>QBS</u>	<u>WAE</u>	<u>WHC</u>	<u>WTS</u>
< 3.00	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-
4.00 - 4.49	-	-	54	1	-	-	-	-	-	-	-	-	-	-	-
4.50 - 4.99	-	-	1	1	-	-	1	-	6	-	-	-	-	-	-
5.00 - 5.49	-	-	-	1	-	-	-	4	6	-	-	-	-	-	-
5.50 - 5.99	-	-	-	1	-	-	-	14	2	-	-	-	-	-	-
6.00 - 6.49	-	-	2	2	-	-	-	4	-	-	-	-	-	-	-
6.50 - 6.99	-	-	2	4	-	-	-	-	-	-	-	-	10	-	-
7.00 - 7.49	-	-	6	4	-	-	-	-	-	-	-	-	6	-	-
7.50 - 7.99	-	-	8	6	-	-	-	-	-	-	-	-	2	1	-
8.00 - 8.49	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
8.50 - 8.99	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00 - 9.49	-	-	8	1	-	-	-	-	-	-	-	-	-	-	-
9.50 - 9.99	-	-	13	-	-	-	2	-	-	-	-	-	-	-	-
10.00 - 10.49	-	1	10	-	-	-	1	-	-	-	-	-	-	-	-
10.50 - 10.99	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-
11.00 - 11.49	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-
11.50 - 11.99	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
12.00 - 12.99	-	-	-	-	-	-	24	-	-	-	-	-	-	1	-
13.00 - 13.99	-	-	-	-	-	1	17	-	-	-	-	-	1	-	-
14.00 - 14.99	-	-	-	-	-	1	5	-	-	-	-	-	-	-	-
15.00 - 15.99	-	-	-	-	-	2	4	-	-	-	-	-	-	-	-
16.00 - 16.99	-	-	-	-	-	-	1	-	-	-	-	-	2	-	4
17.00 - 17.99	1	-	-	-	-	2	-	-	-	-	-	-	2	-	3
18.00 - 18.99	1	-	-	-	-	1	-	-	-	-	-	1	2	-	6
19.00 - 19.99	-	-	-	-	1	-	-	-	-	-	-	-	1	-	4
20.00 - 20.99	-	-	-	-	-	3	-	-	-	-	-	-	3	-	1
21.00 - 21.99	1	-	-	-	-	1	-	-	-	-	-	-	2	-	2
22.00 - 22.99	1	-	-	-	-	2	-	-	-	-	-	-	1	-	-
23.00 - 23.99	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
24.00 - 24.99	1	-	-	-	-	2	-	-	-	-	1	-	-	-	-
25.00 - 25.99	-	-	-	-	2	1	-	-	-	-	-	-	2	-	-
26.00 - 26.99	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
27.00 - 27.99	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
28.00 - 28.99	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
29.00 - 29.99	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
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	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>GOS</u>	<u>LMB</u>	<u>MUE</u>	<u>NOP</u>	<u>QBS</u>	<u>WAE</u>	<u>WHC</u>	<u>WTS</u>
Total	5	2	127	24	3	17	62	22	14	1	5	1	36	1	20
Min. Length	17.01	8.70	3.31	2.17	19.72	13.03	4.76	5.20	4.84	37.09	24.84	18.15	6.65	7.87	16.57
Max. Length	24.45	10.08	11.30	9.09	25.67	27.56	16.14	6.42	5.87	37.09	37.09	18.15	25.67	7.87	21.42
Mean Length	20.66	9.39	6.26	6.78	23.54	20.21	12.80	5.73	5.22	37.09	29.10	18.15	13.47	7.87	18.55
# Measured	5	2	126	24	3	17	62	18	13	1	5	1	35	1	20
No Lengths for	0	0	1	0	0	0	0	4	1	0	0	0	1	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 (for fish < 36.00 inches) (Continued)

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

(Field work conducted between 08/14/2023 and 08/17/2023)

	<u>YEB</u>	<u>YEP</u>	<u>YLB</u>
< 3.00	-	-	-
3.00 - 3.49	-	-	-
3.50 - 3.99	-	-	-
4.00 - 4.49	-	-	-
4.50 - 4.99	-	-	-
5.00 - 5.49	-	-	-
5.50 - 5.99	-	-	-
6.00 - 6.49	1	-	-
6.50 - 6.99	-	2	2
7.00 - 7.49	-	7	-
7.50 - 7.99	-	2	-
8.00 - 8.49	3	-	3
8.50 - 8.99	1	-	7
9.00 - 9.49	1	-	3
9.50 - 9.99	1	-	4
10.00 - 10.49	-	-	2
10.50 - 10.99	-	-	-
11.00 - 11.49	1	-	-
11.50 - 11.99	-	-	-
12.00 - 12.99	1	-	-
13.00 - 13.99	-	-	-
14.00 - 14.99	-	-	-
15.00 - 15.99	-	-	-
16.00 - 16.99	-	-	-
17.00 - 17.99	-	-	-
18.00 - 18.99	-	-	-
19.00 - 19.99	-	-	-
20.00 - 20.99	-	-	-
21.00 - 21.99	-	-	-
22.00 - 22.99	-	-	-
23.00 - 23.99	-	-	-
24.00 - 24.99	-	-	-
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	-	-	-

	<u>YEB</u>	<u>YEP</u>	<u>YLB</u>
Total	9	11	21
Min. Length	6.38	6.65	6.50
Max. Length	12.28	7.91	10.08
Mean Length	9.15	7.24	8.81
# Measured	9	11	21
No Lengths for	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 (for fish \geq 36.00 inches)

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

(Field work conducted between 08/14/2023 and 08/17/2023)

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>GOS</u>	<u>LMB</u>	<u>MUE</u>	<u>NOP</u>	<u>QBS</u>	<u>WAE</u>	<u>WHC</u>	<u>WTS</u>
< 36.00	5	2	127	24	3	17	62	22	14	-	4	1	36	1	20
36.00 - 36.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37.00 - 37.99	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
38.00 - 38.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39.00 - 39.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40.00 - 40.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41.00 - 41.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.00 - 42.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43.00 - 43.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44.00 - 44.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45.00 - 45.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46.00 - 46.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47.00 - 47.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48.00 - 48.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49.00 - 49.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50.00 - 50.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51.00 - 51.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52.00 - 52.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53.00 - 53.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54.00 - 54.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55.00 - 55.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56.00 - 56.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57.00 - 57.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58.00 - 58.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59.00 - 59.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60.00 - 60.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61.00 - 61.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62.00 - 62.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63.00 - 63.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64.00 - 64.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65.00 - 65.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66.00 - 66.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67.00 - 67.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68.00 - 68.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69.00 - 69.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70.00 - 70.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71.00 - 71.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72.00 - 72.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73.00 - 73.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74.00 - 74.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75.00 - 75.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76.00 - 76.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77.00 - 77.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
= > 78.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>GOS</u>	<u>LMB</u>	<u>MUE</u>	<u>NOP</u>	<u>QBS</u>	<u>WAE</u>	<u>WHC</u>	<u>WTS</u>
Total	5	2	127	24	3	17	62	22	14	1	5	1	36	1	20
Min. Length	17.01	8.70	3.31	2.17	19.72	13.03	4.76	5.20	4.84	37.09	24.84	18.15	6.65	7.87	16.57
Max. Length	24.45	10.08	11.30	9.09	25.67	27.56	16.14	6.42	5.87	37.09	37.09	18.15	25.67	7.87	21.42
Mean Length	20.66	9.39	6.26	6.78	23.54	20.21	12.80	5.73	5.22	37.09	29.10	18.15	13.47	7.87	18.55
# Measured	5	2	126	24	3	17	62	18	13	1	5	1	35	1	20
No Lengths for	0	0	1	0	0	0	0	4	1	0	0	0	1	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 (for fish \geq 36.00 inches) (Continued)

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

(Field work conducted between 08/14/2023 and 08/17/2023)

	<u>YEB</u>	<u>YEP</u>	<u>YLB</u>
< 36.00	9	11	21
36.00 - 36.99	-	-	-
37.00 - 37.99	-	-	-
38.00 - 38.99	-	-	-
39.00 - 39.99	-	-	-
40.00 - 40.99	-	-	-
41.00 - 41.99	-	-	-
42.00 - 42.99	-	-	-
43.00 - 43.99	-	-	-
44.00 - 44.99	-	-	-
45.00 - 45.99	-	-	-
46.00 - 46.99	-	-	-
47.00 - 47.99	-	-	-
48.00 - 48.99	-	-	-
49.00 - 49.99	-	-	-
50.00 - 50.99	-	-	-
51.00 - 51.99	-	-	-
52.00 - 52.99	-	-	-
53.00 - 53.99	-	-	-
54.00 - 54.99	-	-	-
55.00 - 55.99	-	-	-
56.00 - 56.99	-	-	-
57.00 - 57.99	-	-	-
58.00 - 58.99	-	-	-
59.00 - 59.99	-	-	-
60.00 - 60.99	-	-	-
61.00 - 61.99	-	-	-
62.00 - 62.99	-	-	-
63.00 - 63.99	-	-	-
64.00 - 64.99	-	-	-
65.00 - 65.99	-	-	-
66.00 - 66.99	-	-	-
67.00 - 67.99	-	-	-
68.00 - 68.99	-	-	-
69.00 - 69.99	-	-	-
70.00 - 70.99	-	-	-
71.00 - 71.99	-	-	-
72.00 - 72.99	-	-	-
73.00 - 73.99	-	-	-
74.00 - 74.99	-	-	-
75.00 - 75.99	-	-	-
76.00 - 76.99	-	-	-
77.00 - 77.99	-	-	-
= > 78.00	-	-	-

	<u>YEB</u>	<u>YEP</u>	<u>YLB</u>
Total	9	11	21
Min. Length	6.38	6.65	6.50
Max. Length	12.28	7.91	10.08
Mean Length	9.15	7.24	8.81
# Measured	9	11	21
No Lengths for	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.

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	Painted Turtle	4	0	N/A	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 08/18/2023), 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.

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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: Sisseton
DOW Number: 46-0025-00

Survey Type: Standard Survey
Survey ID Date: 08/14/2023

Survey Status: Field Work Complete

The following 21 (of 34) report components are not included in this Lake Survey Report:

1. Water Level History¹
2. Lake Inlets
3. Additional Inlet Information
4. Lake Outlets
5. Additional Outlet Information
6. Water Control Structure (Dam)
7. Surrounding Watershed Characteristics, Shoreline Characteristics, and Riparian Landscape Observations²
8. Resorts And Campgrounds
9. Fish Spawning Conditions
10. Erosion And Pollution
11. Fish Diseases And Parasites
12. Aquatic Vegetation And Shoalwater Substrates
13. Water Quality (Winter Observations) (added to revision 01/21/2010)
14. Laboratory Analysis Of Water Chemistry
15. Zooplankton Sampling (added to revision 20221130)
16. Catch Summary (Pre-1993 Format) (added to revision 20201001)
17. Length At Capture With Last Incremental Length*
18. Back-Calculated Lengths
19. Age Class Frequency Distributions
20. Status Of Fishery And Field Notes
21. 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 08/18/2023 may not be reflected in the Distribution tables until after 12:30 pm on 08/18/2023.

The following survey component was flagged to be specifically excluded from this report: TN - 6

FOR OFFICE USE ONLY: As of revision 20150622, this page is automatically suppressed on signed versions of this report (area supervisor, region manager, research biologist, research supervisor, program staff, or program manager signed).