

Lake Name: Pearl

DOW Number: 32-0033-00

Survey Type: Standard Survey

Survey ID Date: 06/30/2025

#### Lake Identification

Alternate Lake Name: N/A  
Primary Lake Class ID: 43

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

#### Lake Location

Primary County: Jackson

Nearest Town: Jackson

#### Legal Descriptions

Lake Center: Township - 101N Range - 36W Section - 26  
PLS Section Lake Center: 10103626

##### All Legal Descriptions:

Jackson County: Township - 101N Range - 36W Sections - 23, 24, 25, 26

#### Area Office

Area Name: Windom  
Region Name: Southern

ORG Code: F418  
Region Number: 4

#### Lake Access

(Information based on Population Assessment dated 06/21/1993)

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): 155.00  
GIS Lake Area (acres): 117.00  
DOW Lake Area (acres): 117.00  
Littoral Area (acres): 117.00  
Area in MN (acres): 117.00  
Maximum Depth (feet): 6.0  
Mean Depth (feet): N/A

GIS Shoreline Length (miles): 1.94  
Maximum Fetch (miles): 0.70  
Fetch Orientation (degrees): 315  
USGS Quad Map Number: X09d  
USGS Quad 24K GIS Index: 4718

#### Watershed Characteristics

##### Major Watershed

Name: Little Sioux River  
Watershed Number: 84  
Watershed size (acres): 205,753

##### Minor Watershed

Name: To Spirit L  
Watershed Number: 25  
Watershed size (acres): 5,231

### Surveys and Investigations

**Re-Survey:** 06/23/1997, 06/20/1988.  
**Population Assessment:** 06/28/2013, 06/25/2001, 06/21/1993.  
**Winter Kill Assessment:** 04/24/2014.  
**Dissolved Oxygen Check:** 02/10/2016, 02/25/2015, 01/02/2014, 02/07/2013, 01/04/2013, 02/17/2012, 01/26/2012/28/2010, 01/04/2010.  
**External Management Survey:** 07/30/2014.  
**Standard Survey:** 06/30/2025, 07/08/2019.  
**Targeted Survey:** 02/04/2020, 03/15/2019, 01/19/2018.

### 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	06/30/2025	6.0	Surface	77.5	7.5
			1.0	77.5	7.6
			2.0	77.5	7.6
			3.0	77.5	7.4
			4.0	77.5	7.4
			5.0	77.5	7.0
			6.0	77.4	6.7

### 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	06/30/2025	Surface	0.5	8.99	260	Green	Algae

## Net Catch Summary by Numbers for GN

### Standard gill net sets

Number of Sets: 1  
First Set Date: 06/30/2025  
Last Lift Date: 07/01/2025  
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43 <sup>1</sup>		
				25%	50%	75%
BIB	Bigmouth Buffalo	6	6.00	0.75	2.58	6.96
BLB	Black Bullhead	43	43.00	30.34	75.58	150.62
BLC	Black Crappie	3	3.00	1.41	3.71	13.75
CCF	Channel Catfish	1	1.00	N/A	N/A	N/A
CAP	Common Carp	4	4.00	1.00	3.33	13.75
FRD	Freshwater Drum	4	4.00	0.50	2.56	8.33
NOP	Northern Pike	1	1.00	1.08	3.00	8.00
SNG	Shortnose Gar	1	1.00	N/A	N/A	N/A
WAE	Walleye	4	4.00	2.28	6.83	18.06
YEP	Yellow Perch	1	1.00	2.65	8.00	25.00
Total Fish/Set:			68.00	<sup>1</sup> 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 <sup>2</sup>	Quartiles for Lake Class 43 <sup>1</sup>		
					25%	50%	75%
BIB	Bigmouth Buffalo	21.08	21.08	3.51	N/A	N/A	N/A
BLB	Black Bullhead	22.40	22.40	0.52	0.17	0.26	0.39
BLC	Black Crappie	0.91	0.91	0.30	0.16	0.25	0.35
CCF	Channel Catfish	6.84	6.84	6.84	N/A	N/A	N/A
CAP	Common Carp	23.81	23.81	5.95	0.81	1.98	3.70
FRD	Freshwater Drum	4.63	4.63	1.16	0.40	0.82	1.67
NOP	Northern Pike	3.31	3.31	3.31	1.82	2.50	3.35
SNG	Shortnose Gar	2.26	2.26	2.26	N/A	N/A	N/A
WAE	Walleye	1.90	1.90	0.48	1.01	1.53	2.30
YEP	Yellow Perch	0.56	0.56	0.56	0.13	0.21	0.31
Total Pounds Fish/Set:			87.70	<sup>1</sup> Quartiles for Mean Weight			

<sup>2</sup> 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: 12  
 First Set Date: 06/30/2025  
 Last Lift Date: 07/03/2025  
 Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43 <sup>1</sup>		
				25%	50%	75%
BIB	Bigmouth Buffalo	47	3.92	0.17	0.38	1.04
BLB	Black Bullhead	95	7.92	11.50	42.00	132.61
BLC	Black Crappie	164	13.67	1.17	4.88	20.50
BLG	Bluegill	12	1.00	1.17	3.89	20.00
CCF	Channel Catfish	3	0.25	N/A	N/A	N/A
CAP	Common Carp	17	1.42	1.00	2.44	5.51
FRD	Freshwater Drum	15	1.25	0.23	0.92	3.25
LMB	Largemouth Bass	2	0.17	0.23	0.38	0.67
NOP	Northern Pike	10	0.83	N/A	N/A	N/A
SNG	Shortnose Gar	9	0.75	N/A	N/A	N/A
WAE	Walleye	14	1.17	0.50	1.33	2.95
YEB	Yellow Bullhead	2	0.17	0.50	1.13	2.50
YEP	Yellow Perch	2	0.17	0.33	1.37	3.76
		Total Fish/Set:	32.67	<sup>1</sup> 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 Weight²	Quartiles for Lake Class 43¹		
					25%	50%	75%
BIB	Bigmouth Buffalo	259.86	21.65	5.53	2.56	3.75	5.83
BLB	Black Bullhead	55.70	4.64	0.59	0.18	0.28	0.40
BLC	Black Crappie	77.32	6.44	0.47	0.22	0.34	0.50
BLG	Bluegill	4.76	0.40	0.40	0.13	0.24	0.39
CCF	Channel Catfish	10.39	0.87	3.46	N/A	N/A	N/A
CAP	Common Carp	134.55	11.21	7.91	1.42	2.92	4.58
FRD	Freshwater Drum	24.36	2.03	1.62	0.28	0.60	0.95
LMB	Largemouth Bass	3.58	0.30	1.79	0.30	0.85	1.53
NOP	Northern Pike	32.75	2.73	3.28	N/A	N/A	N/A
SNG	Shortnose Gar	16.52	1.38	1.84	N/A	N/A	N/A
WAE	Walleye	20.51	1.71	1.47	0.82	1.44	2.28
YEB	Yellow Bullhead	1.06	0.09	0.53	0.31	0.48	0.67
YEP	Yellow Perch	0.69	0.06	0.34	0.11	0.18	0.30
Total Pounds Fish/Set:			53.50	¹ Quartiles for Mean Weight			

<sup>2</sup> Mean Weights are based on measured fish counts only.

## Length Frequency Distribution for GN

### Standard gill net sets

(Field work conducted between 06/30/2025 and 07/01/2025)

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>NOP</u>	<u>SNG</u>	<u>WAE</u>	<u>YEP</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	-	-	-	-	-	-	-	-	-	-
6.50 - 6.99	-	-	-	-	-	-	-	-	-	-
7.00 - 7.49	-	-	1	-	-	-	-	-	-	-
7.50 - 7.99	-	-	-	-	-	-	-	-	-	-
8.00 - 8.49	-	3	1	-	-	-	-	-	-	-
8.50 - 8.99	-	9	1	-	-	-	-	-	-	-
9.00 - 9.49	-	10	-	-	-	-	-	-	-	-
9.50 - 9.99	-	8	-	-	-	-	-	-	-	-
10.00 - 10.49	-	7	-	-	-	-	-	-	-	-
10.50 - 10.99	-	4	-	-	-	-	-	-	1	1
11.00 - 11.49	-	1	-	-	-	1	-	-	1	-
11.50 - 11.99	-	-	-	-	-	-	-	-	-	-
12.00 - 12.99	2	1	-	-	-	1	-	-	2	-
13.00 - 13.99	1	-	-	-	-	-	-	-	-	-
14.00 - 14.99	1	-	-	-	-	1	-	-	-	-
15.00 - 15.99	-	-	-	-	-	1	-	-	-	-
16.00 - 16.99	-	-	-	-	-	-	-	-	-	-
17.00 - 17.99	-	-	-	-	-	-	-	-	-	-
18.00 - 18.99	-	-	-	-	-	-	-	-	-	-
19.00 - 19.99	-	-	-	1	-	-	-	-	-	-
20.00 - 20.99	-	-	-	-	-	-	-	-	-	-
21.00 - 21.99	-	-	-	-	-	-	-	-	-	-
22.00 - 22.99	1	-	-	1	-	-	-	-	-	-
23.00 - 23.99	-	-	-	-	-	-	-	-	-	-
24.00 - 24.99	1	-	-	-	1	-	1	-	-	-
25.00 - 25.99	-	-	-	1	-	-	-	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>BLB</u>	<u>BLC</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>NOP</u>	<u>SNG</u>	<u>WAE</u>	<u>YEP</u>
Total	6	43	3	4	1	4	1	1	4	1
Min. Length	12.13	8.23	7.24	19.33	24.84	11.46	24.88	25.59	10.55	10.55
Max. Length	24.33	12.64	8.58	26.81	24.84	15.35	24.88	25.59	12.48	10.55
Mean Length	16.58	9.61	7.97	23.35	24.84	13.56	24.88	25.59	11.59	10.55
# Measured	6	43	3	4	1	4	1	1	4	1
No Lengths for	0	0	0	0	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 06/30/2025 and 07/03/2025)

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>LMB</u>	<u>NOP</u>	<u>SNG</u>	<u>WAE</u>	<u>YEB</u>	<u>YEP</u>
< 3.00	-	-	-	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-	-	-	-	-	-	-	-	-
4.00 - 4.49	-	-	1	-	-	-	-	-	-	-	-	-	-
4.50 - 4.99	-	-	-	-	-	-	-	-	-	-	-	-	-
5.00 - 5.49	-	-	-	-	-	-	-	-	-	-	-	-	-
5.50 - 5.99	-	-	-	-	-	-	-	-	-	-	-	-	-
6.00 - 6.49	-	-	-	-	-	-	-	-	-	-	-	-	1
6.50 - 6.99	-	-	5	1	-	-	-	-	-	-	-	-	-
7.00 - 7.49	-	-	7	4	-	-	-	-	-	-	-	-	-
7.50 - 7.99	-	-	32	6	-	-	1	-	-	-	-	-	-
8.00 - 8.49	-	2	17	-	-	-	1	-	-	-	-	-	-
8.50 - 8.99	-	11	16	-	-	-	-	-	-	-	-	-	-
9.00 - 9.49	-	18	26	-	-	-	-	-	-	-	-	-	-
9.50 - 9.99	-	13	22	-	-	-	-	-	-	-	-	1	-
10.00 - 10.49	-	16	5	-	-	1	1	-	-	-	-	-	1
10.50 - 10.99	-	23	2	-	-	-	1	-	-	-	-	1	-
11.00 - 11.49	1	7	11	-	-	-	1	-	-	-	2	-	-
11.50 - 11.99	1	1	8	-	-	-	1	-	-	-	1	-	-
12.00 - 12.99	1	2	11	-	-	-	2	-	-	-	1	-	-
13.00 - 13.99	2	2	-	-	-	-	1	1	-	1	2	-	-
14.00 - 14.99	1	-	-	-	-	-	-	-	-	-	3	-	-
15.00 - 15.99	5	-	-	-	-	-	-	-	-	-	1	-	-
16.00 - 16.99	-	-	-	-	1	-	1	1	-	-	2	-	-
17.00 - 17.99	2	-	-	-	-	-	1	-	-	-	-	-	-
18.00 - 18.99	3	-	-	-	-	-	1	-	-	1	-	-	-
19.00 - 19.99	1	-	-	-	1	-	1	-	1	-	-	-	-
20.00 - 20.99	8	-	-	-	-	-	1	-	1	-	1	-	-
21.00 - 21.99	3	-	-	-	-	-	-	-	-	1	-	-	-
22.00 - 22.99	7	-	-	-	1	1	1	-	1	1	-	-	-
23.00 - 23.99	2	-	-	-	4	1	-	-	3	3	-	-	-
24.00 - 24.99	4	-	-	-	1	-	-	-	-	2	-	-	-
25.00 - 25.99	4	-	-	-	1	-	-	-	-	-	1	-	-
26.00 - 26.99	-	-	-	-	3	-	-	-	1	-	-	-	-
27.00 - 27.99	1	-	-	-	3	-	-	-	-	-	-	-	-
28.00 - 28.99	-	-	-	-	-	-	-	-	-	-	-	-	-
29.00 - 29.99	1	-	-	-	-	-	-	-	2	-	-	-	-
30.00 - 30.99	-	-	-	-	1	-	-	-	1	-	-	-	-
31.00 - 31.99	-	-	-	-	-	-	-	-	-	-	-	-	-
32.00 - 32.99	-	-	-	-	1	-	-	-	-	-	-	-	-
33.00 - 33.99	-	-	-	-	-	-	-	-	-	-	-	-	-
34.00 - 34.99	-	-	-	-	-	-	-	-	-	-	-	-	-
35.00 - 35.99	-	-	-	-	-	-	-	-	-	-	-	-	-
= > 36.00	-	-	-	-	-	-	-	-	-	-	-	-	-

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>LMB</u>	<u>NOP</u>	<u>SNG</u>	<u>WAE</u>	<u>YEB</u>	<u>YEP</u>
Total	47	95	163	11	17	3	15	2	10	9	14	2	2
Min. Length	11.18	8.35	4.37	6.50	16.34	10.28	7.60	13.03	19.92	13.86	11.14	9.84	6.30
Max. Length	29.21	13.07	12.52	7.87	32.60	23.19	22.72	16.22	30.79	24.45	25.98	10.63	10.31
Mean Length	20.31	10.09	9.18	7.44	25.07	18.65	14.18	14.63	24.83	21.81	15.12	10.24	8.31
# Measured	47	95	154	11	17	3	15	2	10	9	14	2	2
No Lengths for	0	0	10	1	0	0	0	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.

Other Species

<b>Gear</b>		<b>Total</b>	<b>Number</b>	<b>Length (inches)</b>	<b>Number</b>	<b>Weight (pounds)</b>
<b>Type (1)</b>	<b>Other Species (Gender) (2)</b>	<b>Num</b>	<b>Measured</b>	<b>Min - Mean - Max</b>	<b>Weighed</b>	<b>Min - Mean - Max</b>
TN	Painted Turtle	2	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**

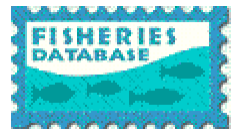
Date Approved By Windom Area Fisheries Supervisor: \_\_\_\_\_

Date Approved By Southern Region Fisheries Manager: \_\_\_\_\_

**This DRAFT VERSION of the Lake Survey Report contains preliminary data  
(as of 07/08/2025), 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 Survey Report revision: 20230207-RJE. Data Date: 07/08/2025 at 11:52 am .



## REPORT OVERVIEW - FOR OFFICE USE ONLY

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

**Lake Name: Pearl**  
**DOW Number: 32-0033-00**

**Survey Type: Standard Survey**  
**Survey ID Date: 06/30/2025**

**Survey Status:** Field Work Complete

The following 25 (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<sup>1</sup>
4. Water Level History - Readings\*
5. Water Level History - Station Summary\*
6. Lake Inlets
7. Additional Inlet Information
8. Lake Outlets
9. Additional Outlet Information
10. Water Control Structure (Dam)
11. Surrounding Watershed Characteristics, Shoreline Characteristics, and Riparian Landscape Observations<sup>2</sup>
12. Resorts And Campgrounds
13. Fish Spawning Conditions
14. Erosion And Pollution
15. Fish Diseases And Parasites
16. Aquatic Vegetation And Shoalwater Substrates
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 At Capture With Last Incremental Length\*
22. Back-Calculated Lengths
23. Age Class Frequency Distributions
24. Status Of Fishery And Field Notes
25. Survey Attachments (added to revision 20150622)

<sup>1</sup> 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.

<sup>2</sup> 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 07/08/2025 may not be reflected in the Distribution tables until after 12:30 pm on 07/08/2025.**

**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).