DEPARTMENT OF NATURAL RESOURCES

Fisheries Management

LAKE SURVEY REPORT

DRAFT VERSION

PRELIMINARY DATA (AS OF 07/31/2026)

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

DOW Number: 17-0054-00 | **Survey ID Date: 07/27/2026**

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: Cottonwood
Nearest Town: Storden

Legal Descriptions

Lake Center: Township - 107N Range - 38W Section - 14
PLS Section Lake Center: 10703814

All Legal Descriptions:

Cottonwood County: Township - 107N Range - 38W Section - 14

Area Office

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

Lake Access

(Information based on Population Assessment dated 08/01/1994)

Station ID	Ownership	Public Use	Type	Location / Comments
AC - 1	DNR	Open to Public use	Concrete	STATE OWNED PUBLIC ACCESS ON WEST SIDE OF LAKE.

Lake Characteristics

Lake Area (planimetered acres): 141.00
GIS Lake Area (acres): 163.59
DOW Lake Area (acres): 141.00
Littoral Area (acres): 162.09
Area in MN (acres): 163.59
Maximum Depth (feet): 12.0
Mean Depth (feet): N/A

GIS Shoreline Length (miles): 1.93
Maximum Fetch (miles): 0.60
Fetch Orientation (degrees): 360
USGS Quad Map Number: V08d
USGS Quad 24K GIS Index: 4316

Watershed Characteristics

Major Watershed

Name: Cottonwood River
Watershed Number: 29
Watershed size (acres): 840,782

Minor Watershed

Name: Highwater Cr
Watershed Number: 80
Watershed size (acres): 8,526

Surveys and Investigations

Re-Survey: 07/27/1998, 08/02/1989.
Population Assessment: 07/21/2014, 08/18/2008, 07/22/2002, 08/01/1994.
Special Assessment: 07/21/2014, 07/28/1948.
Winter Kill Assessment: 04/15/2014.
Dissolved Oxygen Check: 02/16/2016, 02/18/2015, 12/31/2013, 01/02/2013, 01/11/2012, 12/28/2010, 01/04/201
Standard Survey: 07/13/2020.
Targeted Survey: 01/28/2026, 01/09/2020, 01/10/2019, 01/18/2018, 09/11/2017, 02/08/2017.

Water Level History - Readings

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	07/16/2020	Low	-5.10	Above or below Benchmark
	07/23/2014	High	-8.00	Above or below Benchmark
	08/19/2008	N/A	-4.00	Above or below Benchmark

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	-8.00	07/23/2014	-4.00	08/19/2008	4.00	-5.70	Above or below Benchmark (3)

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	07/27/2026	11.0	Surface	82.0	11.7
			2.0	81.9	11.6
			4.0	81.7	11.5
			6.0	80.1	6.8
			8.0	78.4	4.5
			10.0	77.9	2.2
			11.0	77.7	1.4

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	07/27/2026	Surface	3.0	8.82	200	Green	Algae

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Net Catch Summary by Numbers for GN

Standard gill net sets

Number of Sets: 1
First Set Date: 07/27/2026
Last Lift Date: 07/28/2026
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43[1] 25%	50%	75%
BLB	Black Bullhead	19	19.00	30.34	75.58	150.62
BLC	Black Crappie	1	1.00	1.41	3.71	13.75
CAP	Common Carp	1	1.00	1.00	3.33	13.75
NOP	Northern Pike	4	4.00	1.08	3.00	8.00
WAE	Walleye	54	54.00	2.28	6.83	18.06
YEB	Yellow Bullhead	1	1.00	0.50	1.50	3.50
YEP	Yellow Perch	74	74.00	2.65	8.00	25.00
	Total Fish/Set:		154.00	[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%
BLB	Black Bullhead	24.89	24.89	1.31	0.17	0.26	0.39
BLC	Black Crappie	0.88	0.88	0.88	0.16	0.25	0.35
CAP	Common Carp	0.00	0.00	N/A	0.81	1.98	3.70
NOP	Northern Pike	7.64	7.64	1.91	1.82	2.50	3.35
WAE	Walleye	92.98	92.98	1.72	1.01	1.53	2.30
YEB	Yellow Bullhead	1.86	1.86	1.86	0.31	0.53	0.73
YEP	Yellow Perch	29.07	29.07	0.41	0.13	0.21	0.31
	Total Pounds Fish/Set:		157.32		[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: 9
First Set Date: 07/27/2026
Last Lift Date: 07/30/2026
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43[1] 25%	50%	75%
BLB	Black Bullhead	37	4.11	11.50	42.00	132.61
BLC	Black Crappie	31	3.44	1.17	4.88	20.50
CAP	Common Carp	29	3.22	1.00	2.44	5.51
NOP	Northern Pike	1	0.11	N/A	N/A	N/A
PMK	Pumpkinseed	1	0.11	0.26	1.35	4.92
WAE	Walleye	10	1.11	0.50	1.33	2.95
YEP	Yellow Perch	1	0.11	0.33	1.37	3.76
	Total Fish/Set:		12.22	[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%
BLB	Black Bullhead	39.63	4.40	1.07	0.18	0.28	0.40
BLC	Black Crappie	10.11	1.12	0.33	0.22	0.34	0.50
CAP	Common Carp	31.50	3.50	1.12	1.42	2.92	4.58
NOP	Northern Pike	3.53	0.39	3.53	N/A	N/A	N/A
PMK	Pumpkinseed	0.43	0.05	0.43	0.08	0.12	0.20
WAE	Walleye	16.20	1.80	1.63	0.82	1.44	2.28
YEP	Yellow Perch	0.33	0.04	0.33	0.11	0.18	0.30
	Total Pounds Fish/Set:		11.30		[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 07/27/2026 and 07/28/2026)

	BLB	BLC	NOP	WAE	YEB	YEP
< 3.00	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	1
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	-	-	-	-	-	4
7.50 - 7.99	-	-	-	-	-	13
8.00 - 8.49	-	-	-	-	-	26
8.50 - 8.99	-	-	-	-	-	9
9.00 - 9.49	-	-	-	-	-	2
9.50 - 9.99	-	-	-	-	-	-
10.00 - 10.49	-	-	-	-	-	-
10.50 - 10.99	-	1	-	-	-	1
11.00 - 11.49	2	-	-	-	-	4
11.50 - 11.99	-	-	-	-	-	-
12.00 - 12.99	12	-	-	2	-	5
13.00 - 13.99	5	-	-	-	-	2
14.00 - 14.99	-	-	-	-	1	-
15.00 - 15.99	-	-	1	8	-	-
16.00 - 16.99	-	-	-	20	-	-
17.00 - 17.99	-	-	-	21	-	-
18.00 - 18.99	-	-	1	3	-	-
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	-	-	-	-	-	-
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	-	-	-	-	-	-

	BLB	BLC	NOP	WAE	YEB	YEP
Total	19	1	4	54	1	67
Min. Length	11.14	10.94	15.75	12.28	14.02	3.19
Max. Length	13.82	10.94	22.99	18.31	14.02	13.15
Mean Length	12.61	10.94	19.51	16.62	14.02	8.78
# Measured	19	1	4	54	1	67
No Lengths for	0	0	0	0	0	7

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 07/27/2026 and 07/30/2026)

	BLB	BLC	YBLC	CAP	YCAP	NOP	PMK	WAE	YEP
< 3.00	-	-	1	5	-	-	-	-	-
3.00 - 3.49	-	-	-	3	-	-	-	-	-
3.50 - 3.99	-	-	-	2	4	-	-	-	-
4.00 - 4.49	-	-	-	1	8	-	-	-	-
4.50 - 4.99	2	-	-	-	1	-	-	-	-
5.00 - 5.49	1	-	-	-	-	-	-	-	-
5.50 - 5.99	-	-	-	-	-	-	-	-	-
6.00 - 6.49	-	4	-	-	-	-	-	-	-
6.50 - 6.99	-	11	-	-	-	-	-	1	-
7.00 - 7.49	-	10	-	-	-	-	1	-	-
7.50 - 7.99	-	-	-	-	-	-	-	-	-
8.00 - 8.49	-	-	-	-	-	-	-	-	1
8.50 - 8.99	-	-	-	-	-	-	-	-	-
9.00 - 9.49	-	-	-	-	-	-	-	-	-
9.50 - 9.99	-	-	-	-	-	-	-	-	-
10.00 - 10.49	-	-	-	-	-	-	-	-	-
10.50 - 10.99	-	1	-	-	-	-	-	-	-
11.00 - 11.49	4	4	-	-	-	-	-	-	-
11.50 - 11.99	2	-	-	-	-	-	-	-	-
12.00 - 12.99	20	-	-	-	-	-	-	-	-
13.00 - 13.99	8	-	-	-	-	-	-	-	-
14.00 - 14.99	-	-	-	-	-	-	-	-	-
15.00 - 15.99	-	-	-	-	-	-	-	-	-
16.00 - 16.99	-	-	-	-	-	-	-	2	-
17.00 - 17.99	-	-	-	-	-	-	-	4	-
18.00 - 18.99	-	-	-	-	-	-	-	1	-
19.00 - 19.99	-	-	-	-	-	-	-	-	-
20.00 - 20.99	-	-	-	-	-	-	-	-	-
21.00 - 21.99	-	-	-	-	-	-	-	-	-
22.00 - 22.99	-	-	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	1	-	-	-	-	-
24.00 - 24.99	-	-	-	1	-	1	-	-	-
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	-	-	-	-	-	-	-	-	-

	BLB	BLC	YBLC	CAP	YCAP	NOP	PMK	WAE	YEP
Total	37	30	1	15	13	1	1	8	1
Min. Length	4.53	6.18	2.91	2.09	3.66	24.88	7.32	6.89	8.35
Max. Length	13.94	11.18	2.91	26.69	4.57	24.88	7.32	18.27	8.35
Mean Length	11.94	7.56	2.91	9.01	4.14	24.88	7.32	16.02	8.35
# Measured	37	30	1	15	13	1	1	8	1
No Lengths for	0	0	0	0	1	0	0	2	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	Painted Turtle	115	0	N/A	0	N/A
	Snapping Turtle	1	1	13.50	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 07/31/2026), and is therefore subject to change at any time.

DEPARTMENT OF NATURAL RESOURCES

Minnesota Department of Natural Resources

FISHERIES DATABASE

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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: Bean **Survey Type: Standard Survey**

DOW Number: 17-0054-00 **Survey ID Date: 07/27/2026**

Survey Status: Proposed

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 20[illegible]010[illegible])
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)

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[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 07/31/2026 may not be reflected in the Distribution tables until after 12:30 pm on 07/31/2026.

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