DEPARTMENT OF NATURAL RESOURCES

Fisheries Management

LAKE SURVEY REPORT

DRAFT VERSION

PRELIMINARY DATA (AS OF 06/26/2026)

Lake Name: West Graham | **Survey Type: Standard Survey**

DOW Number: 53-0021-00 | **Survey ID Date: 06/22/2026**

Lake Identification

Alternate Lake Name: N/A
Primary Lake Class ID: 43
DNR Sounding Map Number: C2744
Alternate Lake Class ID: N/A

Lake Location

Primary County: Nobles
Nearest Town: Kinbrae

Legal Descriptions

Lake Center: Township - 104N Range - 39W Section - 21
PLS Section Lake Center: 10403921

All Legal Descriptions:

Nobles County: Township - 104N Range - 39W Sections - 15, 16, 21, 22

Area Office

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

Lake Access

(Information based on Re-Survey dated 06/26/1995)

Station ID	Ownership	Public Use	Type	Location / Comments
AC - 2	County	Open to Public use	Concrete	COUNTY OWNED ACCESS ON NORTHEAST SIDE OF LAKE.

Lake Characteristics

Lake Area (planimetered acres): 515.00
GIS Lake Area (acres): 519.29
DOW Lake Area (acres): 526.00
Littoral Area (acres): 519.29
Area in MN (acres): 519.29
Maximum Depth (feet): 8.0
Mean Depth (feet): N/A

GIS Shoreline Length (miles): 3.65
Maximum Fetch (miles): 1.30
Fetch Orientation (degrees): 45
USGS Quad Map Number: W07d
USGS Quad 24K GIS Index: 4514

Watershed Characteristics

Major Watershed

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

Minor Watershed

Name: From Jack L
Watershed Number: 39
Watershed size (acres): 5,366

Surveys and Investigations

Initial Survey: 11/30/1981.
Re-Survey: 06/03/2002, 06/26/1995, 06/29/1992, 06/29/1987.
Population Assessment: 06/09/2014, 06/14/2010, 06/12/2006, 06/28/1999.
Special Assessment: 08/06/2014, 05/01/2001, 10/30/2000.
Winter Kill Assessment: 04/24/2014.
Dissolved Oxygen Check: 02/10/2016, 02/25/2015, 12/30/2013, 02/07/2013, 01/07/2013, 02/17/2012, 01/26/201
12/28/2010, 01/11/2010.
Standard Survey: 06/22/2026, 06/27/2022, 06/25/2018.
Targeted Survey: 09/12/2025, 06/01/2023, 06/27/2022, 02/04/2020, 01/10/2019, 01/19/2018, 09/20/201

Water Level History - Readings

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	06/11/2014	Normal	-6.75	Above or below Benchmark
	06/17/2010	High	7.55	Direct Gauge Reading
	06/12/2006	Normal	-7.10	Above or below Benchmark
GA - 1	06/30/2022	Normal	7.09	Direct Gauge Reading
	06/12/2006	Normal	7.05	Direct Gauge Reading

Water Level History - Station Summary

	Minimum Level		Maximum Level		Range	Average	Reading Type
Station ID	Feet	Date	Feet	Date	(feet)	Level (feet)	(and number of readings)
BM - 1	-7.10	06/12/2006	-6.75	06/11/2014	0.35	-6.93	Above or below Benchmark (2)
BM - 1	7.55	06/17/2010	7.55	06/17/2010	0.00	7.55	Direct Gauge Reading (1)
GA - 1	7.05	06/12/2006	7.09	06/30/2022	0.04	7.07	Direct Gauge Reading (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	06/22/2026	9.8	Surface	68.0	6.6
			1.0	68.0	6.4
			2.0	67.8	6.3
			3.0	67.8	6.1
			4.0	67.8	6.0
			5.0	67.6	5.7
			6.0	67.6	5.7
			7.0	67.5	5.5
			8.0	67.5	5.3
			9.0	67.5	5.1

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	06/22/2026	Surface	0.4	N\A	260	Green	Algae

DRAFT

Net Catch Summary by Numbers for GN

Standard gill net sets

Number of Sets: 3
First Set Date: 06/22/2026
Last Lift Date: 06/25/2026
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43[1] 25%	50%	75%
BIB	Bigmouth Buffalo	16	5.33	0.75	2.58	6.96
BLB	Black Bullhead	36	12.00	30.34	75.58	150.62
BLC	Black Crappie	8	2.67	1.41	3.71	13.75
CCF	Channel Catfish	27	9.00	N/A	N/A	N/A
CAP	Common Carp	5	1.67	1.00	3.33	13.75
FRD	Freshwater Drum	18	6.00	0.50	2.56	8.33
WAE	Walleye	11	3.67	2.28	6.83	18.06
WHC	White Crappie	8	2.67	0.50	2.00	8.42
YEP	Yellow Perch	4	1.33	2.65	8.00	25.00
	Total Fish/Set:		44.33	[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	11.02	3.67	0.71	N/A	N/A	N/A
BLB	Black Bullhead	20.73	6.91	0.58	0.17	0.26	0.39
BLC	Black Crappie	2.23	0.74	0.44	0.16	0.25	0.35
CCF	Channel Catfish	48.44	16.15	1.79	N/A	N/A	N/A
CAP	Common Carp	28.61	9.54	5.72	0.81	1.98	3.70
FRD	Freshwater Drum	17.53	5.84	0.97	0.40	0.82	1.67
WAE	Walleye	21.26	7.09	2.13	1.01	1.53	2.30
WHC	White Crappie	0.69	0.23	0.10	0.15	0.21	0.32
YEP	Yellow Perch	1.30	0.43	0.33	0.13	0.21	0.31
	Total Pounds Fish/Set:		50.60	[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: 06/22/2026
Last Lift Date: 06/25/2026
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43[1] 25%	50%	75%
BIB	Bigmouth Buffalo	2	0.22	0.17	0.38	1.04
BLB	Black Bullhead	35	3.89	11.50	42.00	132.61
BLC	Black Crappie	230	25.56	1.17	4.88	20.50
BLG	Bluegill	3	0.33	1.17	3.89	20.00
CCF	Channel Catfish	2	0.22	N/A	N/A	N/A
CAP	Common Carp	14	1.56	1.00	2.44	5.51
FRD	Freshwater Drum	10	1.11	0.23	0.92	3.25
HSF	Hybrid Sunfish	1	0.11	N/A	N/A	N/A
NOP	Northern Pike	6	0.67	N/A	N/A	N/A
OSS	Orangespotted Sunfish	1	0.11	N/A	N/A	N/A
QBS	Quillback	3	0.33	N/A	N/A	N/A
WAE	Walleye	8	0.89	0.50	1.33	2.95
WHC	White Crappie	88	9.78	0.25	1.83	5.96
WTS	White Sucker	1	0.11	0.34	0.88	2.58
	Total Fish/Set:		44.89	[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	16.66	1.85	8.33	2.56	3.75	5.83
BLB	Black Bullhead	19.88	2.21	0.57	0.18	0.28	0.40
BLC	Black Crappie	93.80	10.42	0.40	0.22	0.34	0.50
BLG	Bluegill	0.51	0.06	0.17	0.13	0.24	0.39
CCF	Channel Catfish	4.38	0.49	2.19	N/A	N/A	N/A
CAP	Common Carp	78.80	8.76	5.63	1.42	2.92	4.58
FRD	Freshwater Drum	9.05	1.01	0.91	0.28	0.60	0.95
HSF	Hybrid Sunfish	0.08	0.01	0.08	N/A	N/A	N/A
NOP	Northern Pike	25.51	2.83	4.25	N/A	N/A	N/A
OSS	Orangespotted Sunfish	0.04	0.00	0.04	N/A	N/A	N/A
QBS	Quillback	11.36	1.26	3.79	N/A	N/A	N/A
WAE	Walleye	21.27	2.36	2.66	0.82	1.44	2.28
WHC	White Crappie	47.45	5.27	0.54	0.27	0.40	0.63
WTS	White Sucker	2.64	0.29	2.64	1.05	1.47	2.04
	Total Pounds Fish/Set:		36.83	[1] Quartiles for Mean Weight			

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

DRAFT

Length Frequency Distribution for GN

Standard gill net sets

(Field work conducted between 06/22/2026 and 06/25/2026)

	BIB	BLB	BLC	CAP	CCF	FRD	WAE	WHC	YEP
< 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	-	-	-	-	-	-	-	3	-
6.00 - 6.49	-	-	-	-	-	-	-	2	1
6.50 - 6.99	1	-	-	-	-	-	-	1	-
7.00 - 7.49	1	-	-	-	-	-	-	-	1
7.50 - 7.99	3	-	-	-	-	2	-	-	-
8.00 - 8.49	1	-	-	-	-	1	-	-	-
8.50 - 8.99	1	-	1	-	-	3	-	-	-
9.00 - 9.49	1	5	1	-	-	2	-	-	-
9.50 - 9.99	-	21	-	-	-	-	-	-	1
10.00 - 10.49	-	7	-	-	-	-	-	-	1
10.50 - 10.99	-	3	-	-	-	-	-	-	-
11.00 - 11.49	-	-	-	-	-	-	-	-	-
11.50 - 11.99	2	-	-	-	-	-	2	-	-
12.00 - 12.99	4	-	-	-	-	-	1	-	-
13.00 - 13.99	-	-	-	-	-	1	3	-	-
14.00 - 14.99	1	-	-	-	4	3	-	-	-
15.00 - 15.99	-	-	-	-	1	4	-	-	-
16.00 - 16.99	-	-	-	-	5	2	-	-	-
17.00 - 17.99	-	-	-	1	12	-	-	-	-
18.00 - 18.99	-	-	-	-	2	-	-	-	-
19.00 - 19.99	-	-	-	-	-	-	-	-	-
20.00 - 20.99	-	-	-	-	1	-	-	-	-
21.00 - 21.99	-	-	-	1	1	-	1	-	-
22.00 - 22.99	-	-	-	1	-	-	2	-	-
23.00 - 23.99	-	-	-	1	1	-	1	-	-
24.00 - 24.99	-	-	-	-	-	-	-	-	-
25.00 - 25.99	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-

	BIB	BLB	BLC	CAP	CCF	FRD	WAE	WHC	YEP
Total	15	36	2	5	27	18	10	6	4
Min. Length	6.93	9.41	8.90	17.24	14.21	7.60	11.85	5.55	6.14
Max. Length	14.61	10.94	9.13	26.73	23.70	16.22	23.86	6.54	10.47
Mean Length	10.19	9.92	9.02	22.36	17.40	12.16	16.67	5.95	8.41
# Measured	15	36	2	5	27	18	10	6	4
No Lengths for	1	0	6	0	0	0	1	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.

Length Frequency Distribution for TN

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

(Field work conducted between 06/22/2026 and 06/25/2026)

	BIB	BLB	BLC	BLG	CAP	CCF	FRD	HSF	NOP	OSS	QBS	WAE	WHC	WTS
< 3.00	-	-	-	1	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	1	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-	-	-	-	-	1	-	-	-	-
4.00 - 4.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.50 - 4.99	-	-	2	-	-	-	-	1	-	-	-	-	-	-
5.00 - 5.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.50 - 5.99	-	-	-	-	-	-	-	-	-	-	-	-	1	-
6.00 - 6.49	-	-	-	-	-	-	-	-	-	-	-	-	1	-
6.50 - 6.99	-	-	-	-	-	-	-	-	-	-	-	-	4	-
7.00 - 7.49	-	-	6	-	-	-	1	-	-	-	-	-	-	-
7.50 - 7.99	-	-	14	1	-	-	3	-	-	-	-	-	-	-
8.00 - 8.49	-	-	14	-	-	-	-	-	-	-	-	-	-	-
8.50 - 8.99	-	-	75	-	-	-	2	-	-	-	-	-	-	-
9.00 - 9.49	-	5	16	-	-	-	-	-	-	-	-	-	5	-
9.50 - 9.99	-	18	1	-	-	-	-	-	-	-	-	-	30	-
10.00 - 10.49	-	10	4	-	-	-	-	-	-	-	-	-	30	-
10.50 - 10.99	-	2	2	-	-	-	-	-	-	-	-	-	5	-
11.00 - 11.49	-	-	2	-	-	-	-	-	-	-	-	-	2	-
11.50 - 11.99	-	-	2	-	-	-	-	-	-	-	-	-	1	-
12.00 - 12.99	-	-	-	-	-	-	-	-	-	-	-	1	2	-
13.00 - 13.99	-	-	-	-	-	-	-	-	-	-	-	-	2	-
14.00 - 14.99	-	-	-	-	-	-	2	-	-	-	-	1	-	-
15.00 - 15.99	-	-	-	-	1	-	-	-	-	-	-	1	-	-
16.00 - 16.99	-	-	-	-	-	1	1	-	-	-	-	1	-	-
17.00 - 17.99	-	-	-	-	1	-	1	-	-	-	-	1	-	1
18.00 - 18.99	-	-	-	-	-	1	-	-	-	-	3	-	-	-
19.00 - 19.99	-	-	-	-	1	-	-	-	-	-	-	-	-	-
20.00 - 20.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.00 - 21.99	-	-	-	-	1	-	-	-	1	-	-	1	-	-
22.00 - 22.99	1	-	-	-	2	-	-	-	2	-	-	1	-	-
23.00 - 23.99	-	-	-	-	2	-	-	-	-	-	-	-	-	-
24.00 - 24.99	-	-	-	-	2	-	-	-	-	-	-	-	-	-
25.00 - 25.99	-	-	-	-	3	-	-	-	-	-	-	1	-	-
26.00 - 26.99	1	-	-	-	1	-	-	-	-	-	-	-	-	-
27.00 - 27.99	-	-	-	-	-	-	-	-	1	-	-	-	-	-
28.00 - 28.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.00 - 29.99	-	-	-	-	-	-	-	-	1	-	-	-	-	-
30.00 - 30.99	-	-	-	-	-	-	-	-	1	-	-	-	-	-
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	BLG	CAP	CCF	FRD	HSF	NOP	OSS	QBS	WAE	WHC	WTS
Total	2	35	138	3	14	2	10	1	6	1	3	8	83	1
Min. Length	22.95	9.13	4.69	2.68	15.98	16.77	7.32	4.76	21.30	3.62	18.19	12.40	5.59	17.28
Max. Length	26.06	10.75	11.97	7.91	26.42	18.54	17.91	4.76	30.98	3.62	18.86	25.79	13.62	17.28
Mean Length	24.51	9.88	8.68	4.61	22.58	17.66	11.13	4.76	25.54	3.62	18.54	18.29	9.94	17.28
# Measured	2	35	138	3	14	2	10	1	6	1	3	8	83	1
No Lengths for	0	0	92	0	0	0	0	0	0	0	0	0	5	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.

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 06/26/2026), and is therefore subject to change at any time.

DEPARTMENT OF NATURAL RESOURCES

Minnesota Department of Natural Resources

FISHERIES DATABASE

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.

(*This page is intentionally blank*)

(*This page is intentionally blank*)

REPORT OVERVIEW - FOR OFFICE USE ONLY

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

Lake Name: West Graham **Survey Type: Standard Survey**

DOW Number: 53-0021-00 **Survey ID Date: 06/22/2026**

Survey Status: Field Work Complete

The following 24 (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. Other Species (added to revision 03/24/2009)
23. Status Of Fishery And Field Notes
24. Survey Attachments (added to revision 20150622)

OFFICE USE ONLY

[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 06/26/2026 may not be reflected in the Distribution tables until after 12:30 pm on 06/26/2026.

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