

Minnesota Department of Natural Resources **Fisheries Management**



LAKE SURVEY REPORT

DRAFT VERSION - PRELIMINARY DATA (AS OF 07/08/2015)

Lake Name: First Fulda Survey Type: Standard Survey

DOW Number: 51-0021-00 Survey ID Date: 07/06/2015

Lake Identification

Alternate Lake Name: N/A DNR Sounding Map Number: C0473 Primary Lake Class ID: 43 Alternate Lake Class ID: N/A

Lake Location

Primary County: Murray Nearest Town: Fulda

Legal Descriptions

Lake Center: Township - 105N Range - 40W Section - 36

10504036 PLS Section Lake Center:

All Legal Descriptions:

Murray County: Township - 105N Range - 40W Sections - 35, 36

Area Office

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

Lake Access

(Information based on Re-Survey dated 06/17/1996)

| Station ID | Ownership | Public Use | Туре | Location / Comments |
|------------|-----------|--------------------|----------|---|
| AC - 2 | DNR | Open to Public use | Concrete | STATE OWNED ACCESS ON SOUTH SIDE OF FIRST (SOUTH) LAKE. |

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

Name: From Fulda L

Lake Characteristics

Lake Area (planimetered acres): 179.00 GIS Shoreline Length (miles): 1.81 GIS Lake Area (acres): 122.71 Maximum Fetch (miles): 1.30

DOW Lake Area (acres): 122.00 Fetch Orientation (degrees): 360 Littoral Area (acres): 122.71 USGS Quad Map Number: W07d Area in MN (acres): 122.71 USGS Quad 24K GIS Index: 4514

Maximum Depth (feet): 7.0 Mean Depth (feet): N/A

Watershed Characteristics

Major Watershed Minor Watershed

Name: Des Moines-Headwaters

Watershed Number: 51 Watershed Number: Watershed size (acres): 10,001

Watershed size (acres): 798,595



Surveys and Investigations

Initial Survey: 06/26/1984.

Re-Survey: 06/13/2011, 06/17/1996, 06/19/1989.

Population Assessment: 06/14/2004, 06/12/2000.

Special Assessment: 07/02/2013, 08/19/2011, 05/02/2001, 06/15/1992.

Dissolved Oxygen Check: 02/19/2015, 12/30/2013, 02/06/2013, 01/03/2013, 01/10/2012, 12/30/2010, 01/05/2010.

Standard Survey: 07/06/2015.

Current Water Level

| Station ID | Date | Level | Reading (feet) | Reading Type |
|------------|------------|--------|----------------|--------------------------|
| BM - 1 | 07/06/2015 | Normal | 5.56 | Above or below Benchmark |

Benchmark and Gauge Descriptions / Locations

| Station ID | Location Description |
|------------|----------------------|
| BM - 1 | gAuge on dam |

Water Level History - Readings

| Station ID | Date | Level | Reading (feet) | Reading Type |
|------------|------------|--------|----------------|--------------------------|
| BM - 1 | 07/06/2015 | Normal | 5.56 | Above or below Benchmark |
| | 06/15/2011 | High | 5.85 | 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 | 5.56 | 07/06/2015 | 5.56 | 07/06/2015 | 0.00 | 5.56 | Above or below Benchmark (1) |
| BM - 1 | 5.85 | 06/15/2011 | 5.85 | 06/15/2011 | 0.00 | 5.85 | 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 | 07/08/2015 | 7.0 | Surface | 69.8 | 9.5 |
| | | | 2.0 | 70.0 | 9.5 |
| | | | 4.0 | 70.0 | 9.4 |
| | | | 6.0 | 69.4 | 4.5 |
| | | | 7.0 | 67.6 | 2.1 |

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 | 07/08/2015 | Surface | 7.0 | 9.80 | 140 | Clear | N/A |

Net Catch Summary by Numbers for **GN**

Standard gill net sets

Number of Sets: 1

First Set Date: 07/06/2015 Last Lift Date: 07/07/2015 Target Species: N/A

Quartiles for Lake Class 43*

| Abbr | Species | Total Fish | Number Per Set | 25% | 50% | 75% |
|------|-----------------|-----------------|----------------|-------------|-----------------|--------|
| BLC | Black Crappie | 3 | 3.00 | 1.41 | 3.71 | 13.75 |
| BLG | Bluegill | 22 | 22.00 | N/A | N/A | N/A |
| CAP | Common Carp | 2 | 2.00 | 1.00 | 3.33 | 13.75 |
| LMB | Largemouth Bass | 1 | 1.00 | 0.20 | 0.50 | 1.50 |
| NOP | Northern Pike | 7 | 7.00 | 1.08 | 3.00 | 8.00 |
| WAE | Walleye | 1 | 1.00 | 2.28 | 6.83 | 18.06 |
| YEP | Yellow Perch | 46 | 46.00 | 2.65 | 8.00 | 25.00 |
| | | Total Fish/Set: | 82.00 | * Quartile: | s for Number Po | er Set |

Net Catch Summary by Weight for GN

Standard gill net sets

| | | Total Weight | Pounds | Mean | Quartiles | for Lake Clas | s 43* |
|------|-----------------|------------------------|---------|--------|-----------|----------------|-------------|
| Abbr | Species | (Pounds) | Per Set | Weight | 25% | 50% | 75% |
| BLC | Black Crappie | 0.49 | 0.49 | 0.16 | 0.16 | 0.25 | 0.35 |
| BLG | Bluegill | 3.08 | 3.08 | 0.14 | N/A | N/A | N/A |
| CAP | Common Carp | 10.47 | 10.47 | 5.24 | 0.81 | 1.98 | 3.70 |
| LMB | Largemouth Bass | 0.00 | 0.00 | 0.00 | 0.60 | 1.18 | 1.37 |
| NOP | Northern Pike | 22.24 | 22.24 | 3.18 | 1.82 | 2.50 | 3.35 |
| WAE | Walleye | 0.76 | 0.76 | 0.76 | 1.01 | 1.53 | 2.30 |
| YEP | Yellow Perch | 6.39 | 6.39 | 0.14 | 0.13 | 0.21 | 0.31 |
| | | Total Pounds Fish/Set: | 43.43 | | * Quarti | les for Mean W | eight eight |

Net Catch Summary by Numbers for TN

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

Number of Sets: 9

First Set Date: 07/06/2015 Last Lift Date: 07/08/2015 Target Species: N/A

Quartiles for Lake Class 43*

| Abbr | Species | Total Fish | Number Per Set | 25% | 50% | 75% |
|------|-----------------|-----------------|----------------|-------------|---------------|--------|
| BLB | Black Bullhead | 26 | 2.89 | 11.50 | 42.00 | 132.61 |
| BLC | Black Crappie | 19 | 2.11 | 1.17 | 4.88 | 20.50 |
| BLG | Bluegill | 150 | 16.67 | 1.17 | 3.89 | 20.00 |
| CAP | Common Carp | 5 | 0.56 | 1.00 | 2.44 | 5.51 |
| LMB | Largemouth Bass | 1 | 0.11 | 0.23 | 0.38 | 0.67 |
| NOP | Northern Pike | 25 | 2.78 | N/A | N/A | N/A |
| WAE | Walleye | 16 | 1.78 | 0.50 | 1.33 | 2.95 |
| YEP | Yellow Perch | 104 | 11.56 | 0.33 | 1.37 | 3.76 |
| | | Total Fish/Set: | 38.44 | * Quartiles | for Number Pe | er Set |

Net Catch Summary by Weight for TN

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

| | | Total Weight | Pounds | Mean | Quartiles | for Lake Clas | s 43* |
|------|-----------------|------------------------|---------|--------|-----------|----------------|-------|
| Abbr | Species | (Pounds) | Per Set | Weight | 25% | 50% | 75% |
| BLB | Black Bullhead | 6.48 | 0.72 | 0.25 | 0.18 | 0.28 | 0.40 |
| BLC | Black Crappie | 1.95 | 0.22 | 0.10 | 0.22 | 0.34 | 0.50 |
| BLG | Bluegill | 14.20 | 1.58 | 0.09 | 0.13 | 0.24 | 0.39 |
| CAP | Common Carp | 12.35 | 1.37 | 2.47 | 1.42 | 2.92 | 4.58 |
| LMB | Largemouth Bass | 2.98 | 0.33 | 2.98 | 0.30 | 0.85 | 1.53 |
| NOP | Northern Pike | 86.36 | 9.60 | 3.45 | N/A | N/A | N/A |
| WAE | Walleye | 48.61 | 5.40 | 3.04 | 0.82 | 1.44 | 2.28 |
| YEP | Yellow Perch | 10.29 | 1.14 | 0.10 | 0.11 | 0.18 | 0.30 |
| | | Total Pounds Fish/Set: | 20.36 | | * Quarti | les for Mean W | eight |

Electrofishing Catch Summary for EF

Standard electrofishing

Total run-time for all stations: 01:02:00

Total on-time for all stations: 01:00:32

First Sampling Date: 05/15/2015

Last Sampling Date: 05/15/2015

Daylight Sampling: Yes

Target Species: All ages largemouth bass

| | | Sumi | Summary By Numbers | | | Summary By Weight (pounds) | | | |
|------|-----------------|--------|--------------------|---------|--------|----------------------------|---------|--------|--|
| | | Total | Number per Hour | | Total | Lbs per Hour | | Mean | |
| Abbr | Species | Number | Run-Time | On-Time | Weight | Run-Time | On-Time | Weight | |
| LMB | Largemouth Bass | 82 | 79.36 | 81.28 | 54.62 | 52.86 | 54.14 | 0.67 | |

Length Frequency Distribution for GN

Standard gill net sets

(Field work conducted between 07/06/2015 and 07/07/2015)

| • | | | | | | • |
|-----------------|------|------------|-------|------------|------------|------------|
| | BLC | <u>BLG</u> | CAP | <u>NOP</u> | <u>WAE</u> | <u>YEP</u> |
| < 3.00 | - | - | - | - | - | - |
| 3.00 - 3.49 | - | - | - | - | - | - |
| 3.50 - 3.99 | - | 1 | - | - | - | - |
| 4.00 - 4.49 | 1 | 1 | - | - | - | - |
| 4.50 - 4.99 | - | 4 | - | - | - | - |
| 5.00 - 5.49 | - | 7 | - | - | - | - |
| 5.50 - 5.99 | - | 1 | - | - | - | 7 |
| 6.00 - 6.49 | - | 7 | - | - | - | 31 |
| 6.50 - 6.99 | - | 1 | - | - | - | 3 |
| 7.00 - 7.49 | 2 | - | - | - | - | - |
| 7.50 - 7.99 | - | - | - | - | - | - |
| 8.00 - 8.49 | - | - | - | - | - | 1 |
| 8.50 - 8.99 | - | - | - | - | - | - |
| 9.00 - 9.49 | - | - | - | - | - | 1 |
| 9.50 - 9.99 | - | - | - | - | - | 1 |
| 10.00 - 10.49 | - | - | - | - | - | - |
| 10.50 - 10.99 | - | - | - | - | - | - |
| 11.00 - 11.49 | - | - | - | - | - | 1 |
| 11.50 - 11.99 | - | - | - | - | - | - |
| 12.00 - 12.99 | - | - | - | - | - | - |
| 13.00 - 13.99 | - | - | - | - | 1 | - |
| 14.00 - 14.99 | - | - | - | - | - | - |
| 15.00 - 15.99 | - | - | - | - | - | - |
| 16.00 - 16.99 | - | - | - | - | - | - |
| 17.00 - 17.99 | - | - | - | - | - | - |
| 18.00 - 18.99 | - | - | 1 | - | - | - |
| 19.00 - 19.99 | - | - | - | 2 | - | - |
| 20.00 - 20.99 | - | - | - | - | - | - |
| 21.00 - 21.99 | - | - | - | - | - | - |
| 22.00 - 22.99 | - | - | - | 1 | - | - |
| 23.00 - 23.99 | - | - | - | 1 | - | - |
| 24.00 - 24.99 | - | - | - | - | - | - |
| 25.00 - 25.99 | - | - | 1 | 2 | - | - |
| 26.00 - 26.99 | - | - | - | - | - | - |
| 27.00 - 27.99 | - | - | - | 2 | - | - |
| 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 | | | | | | |
| | BLC | BLG | CAP | NOP | WAE | YEP |
| Total | 3 | 22 | 2 | 8 | 1 | 45 |
| Min. Length | 4.29 | 3.78 | 18.58 | 19.41 | 13.27 | 5.67 |
| Max. Length | 7.44 | 6.50 | 25.43 | 27.76 | 13.27 | 11.02 |
| Mean Length | 6.26 | 5.50 | 22.01 | 24.32 | 13.27 | 6.50 |
| # Measured | 3 | 20 | 2 | 6 | 10.27 | 43 |
| No Lengths for | 0 | 20 | 0 | 1 | 0 | 3 |
| INO LENGUIS IOF | U | | U | ı | U | <u> </u> |

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 07/06/2015 and 07/08/2015)

| | BLB | BLC | BLG | CAP | <u>LMB</u> | NOP | WAE | <u>YEP</u> |
|--------------------------------|------|------------------|------------|-------|---------------|-------------------|-------|------------|
| < 3.00 | - | - | - | - | - | - | - | - |
| 3.00 - 3.49 | - | - | - | - | - | - | - | - |
| 3.50 - 3.99 | - | 3 | 6 | - | - | - | - | - |
| 4.00 - 4.49 | - | 6 | 35 | - | - | - | - | - |
| 4.50 - 4.99 | - | 2 | 51 | - | - | - | - | 1 |
| 5.00 - 5.49 | - | - | 39 | - | - | - | - | 10 |
| 5.50 - 5.99 | - | - | 8 | _ | - | _ | - | 46 |
| 6.00 - 6.49 | 1 | 1 | 9 | _ | - | _ | - | 44 |
| 6.50 - 6.99 | 2 | 4 | - | _ | - | _ | - | 3 |
| 7.00 - 7.49 | 6 | 1 | 2 | _ | _ | _ | - | - |
| 7.50 - 7.99 | 8 | 2 | _ | _ | _ | _ | _ | _ |
| 8.00 - 8.49 | 7 | _ | _ | _ | _ | _ | _ | _ |
| 8.50 - 8.99 | _ | _ | _ | _ | _ | _ | _ | _ |
| 9.00 - 9.49 | 2 | _ | _ | _ | _ | _ | _ | _ |
| 9.50 - 9.99 | _ | _ | _ | _ | _ | _ | _ | _ |
| 10.00 - 10.49 | _ | _ | _ | _ | _ | _ | _ | _ |
| 10.50 - 10.99 | _ | _ | _ | _ | _ | _ | _ | _ |
| 11.00 - 11.49 | _ | _ | _ | _ | _ | _ | _ | _ |
| 11.50 - 11.49 | _ | _ | _ | _ | _ | 1 | _ | _ |
| 12.00 - 12.99 | _ | _ | _ | _ | _ | | _ | _ |
| 13.00 - 13.99 | _ | _ | _ | _ | _ | _ | 1 | _ |
| 14.00 - 14.99 | _ | _ | _ | _ | _ | _ | 1 | _ |
| 15.00 - 15.99 | _ | _ | _ | 1 | _ | 1 | | _ |
| 16.00 - 16.99 | _ | | _ | 2 | 1 | | | |
| 17.00 - 16.99 | _ | _ | _ | 1 | - | _ | _ | _ |
| 18.00 - 17.99 18.00 - 18.99 | - | - | - | 1 | - | - | - | - |
| | - | - | - | | - | - | 1 | - |
| 19.00 - 19.99 | - | - | - | - | - | - | 5 | - |
| 20.00 - 20.99 | - | - | - | - | - | 3 | 6 | - |
| 21.00 - 21.99 | - | - | - | - | | 5 5 | 1 | - |
| 22.00 - 22.99 | - | - | - | - | - | 1 | 1 | - |
| 23.00 - 23.99 | - | - | - | - | - | 1 | 1 | - |
| 24.00 - 24.99 | - | - | - | - | - | 4 | - | - |
| 25.00 - 25.99 | - | - | | - | - | | - | - |
| 26.00 - 26.99 | - | - | - | - | - | 2 | - | - |
| 27.00 - 27.99 | - | - | - | - | - | 3 | - | - |
| 28.00 - 28.99 | - | - | - | - | - | 2 | - | - |
| 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 | - | - | - | - | - | - | - | |
| | BLB | BLC | BLG | CAP | <u>LMB</u> | NOP | WAE | YEP |
| Total | 26 | <u>220</u> 19 | 150 | 5 | <u>2</u> 1 | <u>110.</u> 25 | 16 | 104 |
| Min. Length | 6.02 | 3.70 | 3.74 | 15.20 | 16.30 | 11.77 | 13.27 | 4.84 |
| Max. Length | 9.17 | 7.80 | 7.28 | 18.94 | 16.30 | 30.98 | 23.03 | 6.77 |
| _ | 7.73 | 5.32 | 4.86 | 16.80 | 16.30 | 24.38 | 20.28 | 5.88 |
| Mean Length # Measured | 26 | 18 | 4.80 84 | 10.60 | 10.30 | 24.36 | 16 | 68 |
| | | | | | | | | |
| No Lengths for | 0 | 1 | 66 | 0 | 0 | 1 | 0 | 36 |

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 EF

Standard electrofishing

(Field work conducted on 05/15/2015)

| (| <u>LMB</u> |
|--------------------------------|------------|
| < 3.00 | 9 |
| 3.00 - 3.49 | 11 |
| 3.50 - 3.49 | ''- |
| 4.00 - 4.49 | 1 |
| | ' |
| 4.50 - 4.99 | - |
| 5.00 - 5.49 5.50 - 5.99 | - |
| | - |
| 6.00 - 6.49 | 2 |
| 6.50 - 6.99 | 2 |
| 7.00 - 7.49 | 18 |
| 7.50 - 7.99 | 9 |
| 8.00 - 8.49 8.50 - 8.99 | 9 |
| 9.00 - 9.49 | 2 |
| | 1 |
| 9.50 - 9.99 | - |
| 10.00 - 10.49 10.50 - 10.99 | 1 |
| 11.00 - 11.49 | 1 |
| 11.50 - 11.49 | |
| 12.00 - 12.99 | _ |
| 13.00 - 13.99 | - |
| 14.00 - 14.99 | - |
| 15.00 - 15.99 | 7 |
| 16.00 - 16.99 | 7 |
| 17.00 - 17.99 | 2 |
| 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>LMB</u> |
|----------------|------------|
| Total | 82 |
| Min. Length | 2.80 |
| Max. Length | 17.52 |
| Mean Length | 8.48 |
| # Measured | 82 |
| No Lengths for | 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 | | Total | Number | Length (inches) | Number | Weight (pounds) |
|----------|----------------------------|-------|----------|------------------|---------|------------------|
| Type (1) | Other Species (Gender) (2) | Num | Measured | Min - Mean - Max | Weighed | Min - Mean - Max |
| 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 07/08/2015), 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: 20150625-RJE. Data Date: 07/08/2015 at 12:59 pm.

REPORT OVERVIEW - FOR OFFICE USE ONLY

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

Lake Name: First Fulda Survey Type: Standard Survey

DOW Number: 51-0021-00 Survey ID Date: 07/06/2015

Survey Status: Field Work Complete

The following 19 (of 32) 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. Laboratory Analysis Of Water Chemistry
- 14. Length At Capture With Last Incremental Length*
- 15. Back-Calculated Lengths
- 16. Age Class Frequency Distributions
- 17. Status Of Fishery And Field Notes
- 18. Water Quality (Winter Observations) (added to revision 01/21/2010)
- 19. 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 after noon on 07/08/2015 may not be reflected in the Distribution tables until 07/09/2015.

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).