# LAKE SURVEY REPORT

### **DRAFT VERSION**

PRELIMINARY DATA (AS OF 07/19/2024)

Lake Name: Talcot Survey Type: Standard Survey

DOW Number: 17-0060-00 Survey ID Date: 07/15/2024

Lake Identification

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

**Lake Location** 

Primary County: Cottonwood Nearest Town: Dundee

All Counties: Cottonwood, Murray.

**Legal Descriptions** 

Lake Center: Township - 105N Range - 38W Section - 19

PLS Section Lake Center: 10503819

All Legal Descriptions:

Cottonwood County: Township - 105N Range - 38W Sections - 19, 20, 30 Murray County: Township - 105N Range - 39W Sections - 24, 25

**Area Office** 

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

Lake Access

(Information based on Re-Survey dated 07/31/1995)

Station ID	Ownership	Public Use	Type	Location / Comments
AC - 1	DNR	Open to Public use	Concrete	STATE OWNED ACCESS ON SOUTHSHORE.
AC - 2	DNR	Open to Public use	Carry-In	STATE OWNED CANOE ACCESS ON DES MOINES RIVER.

**Lake Characteristics** 

Lake Area (planimetered acres): 678.00 GIS Shoreline Length (miles): 8.54
GIS Lake Area (acres): 873.06 Maximum Fetch (miles): 2.00
DOW Lake Area (acres): 928.00 Fetch Orientation (degrees): 45
Littoral Area (acres): 873.05 USGS Quad Map Number: W08b
Area in MN (acres): 873.06 USGS Quad 24K GIS Index: 4415

Maximum Depth (feet): 6.0 Mean Depth (feet): N/A



#### **Watershed Characteristics**

Major Watershed Minor Watershed

Name: Des Moines-Headwaters Name: Talcot L

Watershed Number: 51 Watershed Number: 25 Watershed size (acres): 798,595 Watershed size (acres): 7,297

#### **Surveys and Investigations**

Initial Survey: 08/05/1985.

**Re-Survey:** 07/29/2002, 07/31/1995.

Population Assessment: 07/28/2014, 07/26/2010, 07/24/2006, 08/02/1999, 07/29/1991, 07/23/1990, 07/24/198

Special Assessment: 07/28/2014, 10/04/2006, 10/11/2004, 10/07/2003, 10/07/2002, 09/13/2001, 09/12/200

09/14/1999, 09/21/1998, 09/24/1997, 09/24/1996, 09/27/1995.

Winter Kill Assessment: 04/07/2014.

**Dissolved Oxygen Check:** 01/02/2014, 02/07/2013, 01/07/2013, 01/21/2010.

Natural Reproduction Check: 10/29/2014, 10/16/2013, 10/16/2012, 10/26/2011, 10/18/2010, 10/08/2008, 10/11/200

**Standard Survey:** <u>07/15/2024</u>, 07/20/2020, 07/11/2016.

Targeted Survey: 10/11/2021, 09/12/2017, 10/12/2016, 07/11/2016, 10/07/2015.

#### **Current Water Level**

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	07/17/2024	Normal	-2.90	Above or below Benchmark

#### **Benchmark and Gauge Descriptions / Locations**

Station ID	Location Description
BM - 1	Top of concrete abutment on North end of dam.

#### Water Level History - Readings

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	07/17/2024	Normal	-2.90	Above or below Benchmark
	07/23/2020	High	-2.40	Above or below Benchmark
	07/14/2016	High	-3.20	Above or below Benchmark
	07/31/2014	Normal	-3.50	Above or below Benchmark
	07/29/2010	High	3.10	Above or below Benchmark
	07/24/2006	Normal	-3.60	Above or below Benchmark

#### 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	-3.60	07/24/2006	3.10	07/29/2010	6.70	-2.08	Above or below Benchmark (6)	

## **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	07/17/2024	6.1	Surface	76.1	8.2
			1.0	76.1	8.4
			2.0	76.1	8.4
			3.0	76.1	8.3
			4.0	76.1	8.2
			5.0	76.1	8.3
			6.0	76.1	8.0

## **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	07/17/2024	Surface	0.6	8.50	360	Brown	Sediment

# Net Catch Summary by Numbers for **GN**

Standard gill net sets

Number of Sets: 3

First Set Date: 07/15/2024 Last Lift Date: 07/18/2024 Target Species: N/A

				Quartiles for Lake Class 431		ss 43¹
Abbr	Species	Total Fish	Number Per Set	25%	50%	75%
BIB	Bigmouth Buffalo	8	2.67	0.75	2.58	6.96
BLB	Black Bullhead	61	20.33	30.34	75.58	150.62
BLC	Black Crappie	3	1.00	1.41	3.71	13.75
CCF	Channel Catfish	42	14.00	N/A	N/A	N/A
CAP	Common Carp	16	5.33	1.00	3.33	13.75
FRD	Freshwater Drum	1	0.33	0.50	2.56	8.33
NOP	Northern Pike	5	1.67	1.08	3.00	8.00
QBS	Quillback	96	32.00	N/A	N/A	N/A
RRH	River Redhorse	1	0.33	N/A	N/A	N/A
WAE	Walleye	69	23.00	2.28	6.83	18.06
WTS	White Sucker	1	0.33	0.81	2.33	6.50
YEP	Yellow Perch	20	6.67	2.65	8.00	25.00
		Total Fish/Set:	107.67	¹ Quartile	s for Number P	er Set

### Net Catch Summary by Weight for GN

### Standard gill net sets

		Total Weight	Pounds	Mean	Quartiles for Lake Class 431		
Abbr	Species	(Pounds)	Per Set	Weight <sup>2</sup>	25%	50%	75%
BIB	Bigmouth Buffalo	27.34	9.11	3.42	N/A	N/A	N/A
BLB	Black Bullhead	22.88	7.63	0.38	0.17	0.26	0.39
BLC	Black Crappie	1.28	0.43	0.43	0.16	0.25	0.35
CCF	Channel Catfish	25.11	8.37	0.60	N/A	N/A	N/A
CAP	Common Carp	96.96	32.32	6.06	0.81	1.98	3.70
FRD	Freshwater Drum	1.70	0.57	1.70	0.40	0.82	1.67
NOP	Northern Pike	10.28	3.43	2.06	1.82	2.50	3.35
QBS	Quillback	117.80	39.27	1.24	N/A	N/A	N/A
RRH	River Redhorse	1.42	0.47	1.42	N/A	N/A	N/A
WAE	Walleye	64.56	21.52	0.94	1.01	1.53	2.30
WTS	White Sucker	0.40	0.13	0.40	0.93	1.58	2.02
YEP	Yellow Perch	8.81	2.94	0.44	0.13	0.21	0.31
		Total Pounds Fish/Set:	126.18		¹ Quartil	es for Mean We	eight

<sup>&</sup>lt;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: 07/15/2024 Last Lift Date: 07/18/2024 Target Species: N/A

				Quartiles for Lake Class 43 <sup>1</sup>		
Abbr	Species	Total Fish	Number Per Set	25%	50%	75%
BIB	Bigmouth Buffalo	32	2.67	0.17	0.38	1.04
BLB	Black Bullhead	30	2.50	11.50	42.00	132.61
BLC	Black Crappie	6	0.50	1.17	4.88	20.50
BLG	Bluegill	1	0.08	1.17	3.89	20.00
CCF	Channel Catfish	1	0.08	N/A	N/A	N/A
CAP	Common Carp	106	8.83	1.00	2.44	5.51
LMB	Largemouth Bass	7	0.58	0.23	0.38	0.67
OSS	Orangespotted Sunfish	7	0.58	N/A	N/A	N/A
QBS	Quillback	13	1.08	N/A	N/A	N/A
RRH	River Redhorse	2	0.17	N/A	N/A	N/A
WAE	Walleye	3	0.25	0.50	1.33	2.95
WHC	White Crappie	1	0.08	0.25	1.83	5.96
WTS	White Sucker	4	0.33	0.34	0.88	2.58
YEB	Yellow Bullhead	1	0.08	0.50	1.13	2.50
YEP	Yellow Perch	3	0.25	0.33	1.37	3.76
		Total Fish/Set:	18.08	¹ Quartiles	s for Number P	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 Class 431		
Abbr	Species	(Pounds)	Per Set	Weight <sup>2</sup>	25%	50%	75%
BIB	Bigmouth Buffalo	242.46	20.20	7.58	2.56	3.75	5.83
BLB	Black Bullhead	14.06	1.17	0.47	0.18	0.28	0.40
BLC	Black Crappie	2.38	0.20	0.40	0.22	0.34	0.50
BLG	Bluegill	0.26	0.02	0.26	0.13	0.24	0.39
CCF	Channel Catfish	6.50	0.54	6.50	N/A	N/A	N/A
CAP	Common Carp	400.89	33.41	3.81	1.42	2.92	4.58
LMB	Largemouth Bass	3.97	0.33	0.57	0.30	0.85	1.53
OSS	Orangespotted Sunfish	0.30	0.02	0.04	N/A	N/A	N/A
QBS	Quillback	16.51	1.38	1.27	N/A	N/A	N/A
RRH	River Redhorse	3.83	0.32	1.92	N/A	N/A	N/A
WAE	Walleye	8.69	0.72	2.90	0.82	1.44	2.28
WHC	White Crappie	0.46	0.04	0.46	0.27	0.40	0.63
WTS	White Sucker	8.36	0.70	2.09	1.05	1.47	2.04
YEB	Yellow Bullhead	0.09	0.01	0.09	0.31	0.48	0.67
YEP	Yellow Perch	0.79	0.07	0.26	0.11	0.18	0.30
	Total F	Pounds Fish/Set:	59.13		¹ Quartile	es for Mean We	eight

<sup>&</sup>lt;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 07/15/2024 and 07/18/2024)

. 0. 00	BIB	<u>BLB</u>	BLC	CAP	CCF	FRD	<u>NOP</u>	<u>QBS</u>	RRH	WAE	<u>wts</u>	<u>YEP</u>
< 3.00	-	-	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-	-	-	-	-	-	-	-
4.00 - 4.49	-	-	-	-	-	-	-	-	-	-	-	-
4.50 - 4.99	-	1	-	-	-	-	-	-	-	-	-	-
5.00 - 5.49	-	6	-	-	-	-	-	-	-	-	-	-
5.50 - 5.99	-	3	-	-	-	-	-	-	-	-	-	-
6.00 - 6.49	-	1	-	-	-	-	-	-	-	-	-	-
6.50 - 6.99	-	3	-	-	-	-	-	-	-	-	-	-
7.00 - 7.49	1	9	-	-	-	-	-	-	-	-	-	-
7.50 - 7.99	1	6	-	-	1	-	-	-	-	-	-	-
8.00 - 8.49	1	1	1	-	-	-	-	-	-	-	-	3
8.50 - 8.99	1	1	1	-	1	-	-	-	-	-	-	9
9.00 - 9.49	-	5	1	-	3	-	-	-	-	3	-	3
9.50 - 9.99	-	10	-	-	6	-	-	-	-	4	1	2
10.00 - 10.49	-	10	-	-	9	-	-	-	-	8	-	2
10.50 - 10.99	-	5	-	-	8	-	-	-	-	14	-	-
11.00 - 11.49	1	-	-	-	4	-	-	3	-	8	-	-
11.50 - 11.99	-	-	-	-	3	-	-	4	-	1	-	1
12.00 - 12.99	-	-	-	1	3	-	-	36	-	1	-	-
13.00 - 13.99	-	-	-	3	1	-	-	25	-	5	-	_
14.00 - 14.99	_	_	_	1	_	1	_	16	1	8	_	_
15.00 - 15.99	_	_	_	_	_	_	1	6	_	6	_	_
16.00 - 16.99	_	_	_	_	_	_	_	2	_	4	_	_
17.00 - 17.99	_	_	_	_	1	_	_	2	_	2	_	_
18.00 - 18.99	_	_	_	_	_	_	_	_	_	2	_	_
19.00 - 19.99	_	_	_	_	1	_	_	_	_	_	_	_
20.00 - 20.99	1	_	_	2	_	_	2	_	_	1	_	_
21.00 - 21.99	_	_	_	-	_	_	_	1	_	-	_	_
22.00 - 22.99	1	_	_	_	_	_	1	_	_	_	_	_
23.00 - 23.99	_	_	_	_	1	_		_	_	_	_	_
24.00 - 24.99	_	_		2				_		_		
25.00 - 25.99 25.00 - 25.99	_	_	_	_	_	_	1	_	_	1	_	_
26.00 - 26.99	_	_	_	3	_	_		_	_		_	_
27.00 - 27.99	_	_	_	1	_	_	_		_	_		_
28.00 - 28.99	1	_	_	3	_	_	_	_	_	_	_	_
	'	_	_	3	_	_	_	_	_	_	_	_
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>	<b>BLC</b>	CAP	<u>CCF</u>	<u>FRD</u>	<b>NOP</b>	<b>QBS</b>	<u>RRH</u>	<b>WAE</b>	<u>WTS</u>	<u>YEP</u>
Total	8	61	3	16	42	1	5	95	1	68	1	20
Min. Length	7.32	4.92	8.43	12.99	7.76	14.96	15.43	11.14	14.92	9.13	9.57	8.03
Max. Length	28.94	10.87	9.13	28.82	23.86	14.96	25.63	21.14	14.92	25.75	9.57	11.69
Mean Length	14.37	8.33	8.79	22.04	11.23	14.96	20.72	13.48	14.92	12.84	9.57	9.15
# Measured	14.57	61	3	16	42	14.90	5	73	14.92	66		20
											1	
No Lengths for	0	0	0	0	0	0	0	23	0	3	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 07/15/2024 and 07/18/2024)

	BIB	BLB	BLC	BLG	CAP	CCF	<u>LMB</u>	<u>oss</u>	QBS	<u>RRH</u>	WAE	WHC	<u>WTS</u>	<u>YEB</u>	<u>YEP</u>
< 3.00	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
3.50 - 3.99	_	-	-	-	-	-	-	6	-	-	-	-	-	-	-
4.00 - 4.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.50 - 4.99	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
5.00 - 5.49	_	_	-	-	-	-	-	-	_	-	_	-	-	_	-
5.50 - 5.99	_	-	-	-	_	-	-	-	_	_	_	_	-	1	_
6.00 - 6.49	_	2	1	-	_	-	-	-	_	_	_	_	-	-	_
6.50 - 6.99	_	2	-	1	_	_	-	_	3	_	_	_	-	_	1
7.00 - 7.49	_	3	_	_	_	_	_	_	_	_	_	_	_	_	_
7.50 - 7.99	_	_	1	_	_	_	4	_	_	_	_	_	_	_	1
8.00 - 8.49	1	_	1	_	_	_	1	_	_	_	_	_	_	_	1
8.50 - 8.99	_	1	1	_	_	_	1	_	_	_	_	_	_	_	_
9.00 - 9.49	_	1	1	_	_	_	-	_	_	_	_	1	_	_	_
9.50 - 9.99	_	11	1	_	_	_	_	_	1	_	_	_	_	_	_
10.00 - 10.49	_	3		_	_	_	_	_		_	_	_	_	_	_
10.50 - 10.49	_	2	_	_	_	_	_	_	1	_	1	_	_	_	_
11.00 - 11.49	_	_	_	_	_	_	_	_	1	_	<u>'</u>	_	_	_	_
11.50 - 11.49		_			2	_		_							
12.00 - 12.99	_	1	_		3	_	_		2	_	_	_	_	_	_
13.00 - 13.99	_	'	_	_	20	_	_	_		_	_	_	-	_	_
	_	1	-	-	27	-	-	-	1	-	-	-	-	-	_
14.00 - 14.99	-	ļ	-	-	14	-	- 1	-	1	-	-	-	-	-	-
15.00 - 15.99	-	-	-	-		-	ı	-	ı	- 1	I	-	3	-	-
16.00 - 16.99	-	-	-	-	3	-	-	-	-	1	-	-	3	-	-
17.00 - 17.99	-	-	-	-	ı	-	-	-	1	ı	-	-	1	-	-
18.00 - 18.99	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19.00 - 19.99	4	-	-	-	-	-	-	-	2	-	-	-	-	-	-
20.00 - 20.99	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
21.00 - 21.99	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-
22.00 - 22.99	6	-	-	-	4	-	-	-	-	-	-	-	-	-	-
23.00 - 23.99	5	-	-	-	1	1	-	-	-	-	-	-	-	-	-
24.00 - 24.99	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-
25.00 - 25.99	2	-	-	-	10	-	-	-	-	-	-	-	-	-	-
26.00 - 26.99	3	-	-	-	5	-	-	-	-	-	1	-	-	-	-
27.00 - 27.99	2	-	-	-	5	-	-	-	-	-	-	-	-	-	-
28.00 - 28.99	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-
29.00 - 29.99	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.00 - 30.99	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
31.00 - 31.99	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
32.00 - 32.99	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33.00 - 33.99	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34.00 - 34.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35.00 - 35.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
= > 36.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_	BIB	BLB	BLC	BLG <sub>1</sub>	CAP	CCF	<u>LMB</u>	<u>oss</u>	QBS	RRH	<u>WAE</u>	WHC	WTS	YEB 1	YEP
Total	32	30	6	1	106	1	7	7	13	2	3	1	4	1	3
Min. Length	8.03	4.57	6.34	6.93	11.54	23.78	7.56	3.43	6.65	16.61	10.83	9.45	16.22	5.71	6.73
Max. Length	29.53	14.29	9.61	6.93	31.10	23.78	15.35	3.82	19.41	17.72	26.30	9.45	17.91	5.71	8.31
Mean Length	22.96	8.89	8.30	6.93	18.27	23.78	9.15	3.61	12.63	17.17	17.38	9.45	16.70	5.71	7.65
# Measured	32	30	6	1	104	1	7	7	13	2	3	1	4	1	3
No Lengths for	0	0	0	0	2	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.



### **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	1	0	N/A	0	N/A
	Snapping Turtle	3	3	12.20 - 14.33 - 15.43	0	N/A
	Spiney Softshell 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 07/19/2024), and is therefore subject to change at any time.



FISHERIES

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.

(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: Talcot Survey Type: Standard Survey

DOW Number: 17-0060-00 Survey ID Date: 07/15/2024

Survey Status: Field Work Complete

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

- 1. Water Level History<sup>1</sup>
- 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 Observations<sup>2</sup>
- 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)
- <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 07/19/2024 may not be reflected in the Distribution tables until after 12:30 pm on 07/19/2024.

**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).