

Lake Name: Long

Survey Type: Standard Survey

DOW Number: 83-0040-00

Survey ID Date: 07/18/2022

Lake Identification

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

DNR Sounding Map Number: C0751
Alternate Lake Class ID: N/A

Lake Location

Primary County: Watonwan

Nearest Town: Saint James

Legal Descriptions

Lake Center: Township - 105N Range - 32W Section - 15
PLS Section Lake Center: 10503215

All Legal Descriptions:

Watonwan County: Township - 105N Range - 32W Sections - 10, 11, 14, 15

Area Office

Area Name: Windom
Region Name: Southern

ORG Code: F418
Region Number: 4

Lake Access

(Information based on Re-Survey dated 07/11/1994)

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

Lake Characteristics

Lake Area (planimetered acres): 264.00	GIS Shoreline Length (miles): 4.68
GIS Lake Area (acres): 263.30	Maximum Fetch (miles): 1.50
DOW Lake Area (acres): 256.00	Fetch Orientation (degrees): 315
Littoral Area (acres): 263.29	USGS Quad Map Number: W11b
Area in MN (acres): 263.30	USGS Quad 24K GIS Index: 4421
Maximum Depth (feet): 13.0	
Mean Depth (feet): N/A	

Watershed Characteristics

Major Watershed

Name: Watonwan River
Watershed Number: 31
Watershed size (acres): 558,963

Minor Watershed

Name: Co Ditch #1
Watershed Number: 14
Watershed size (acres): 8,782

Surveys and Investigations

Initial Survey: 07/08/1985.
 Re-Survey: 06/24/2002, 07/11/1994, 07/10/1990.
 Population Assessment: 06/23/2014, 06/28/2010, 06/26/2006, 07/06/1998.
 Special Assessment: 06/05/2013, 10/18/1999, 09/08/1998, 10/30/1997, 05/15/1995.
 External Management Survey: 07/14/2010.
 Standard Survey: 07/18/2022, 07/16/2018.
 Targeted Survey: 09/26/2017.

Water Level History - Readings

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	07/16/2018	Normal	-1.90	Above or below Benchmark
	06/24/2014	High	-1.50	Above or below Benchmark
	06/29/2010	High	-1.60	Above or below Benchmark
	06/29/2006	Normal	-1.90	Above or below Benchmark
GA - 1	07/16/2018	Normal	2.25	Direct Gauge Reading
	06/24/2014	High	2.80	Direct Gauge Reading
	06/29/2010	High	2.60	Direct Gauge Reading
	06/29/2006	Normal	2.15	Direct Gauge Reading

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	-1.90	06/29/2006	-1.50	06/24/2014	0.40	-1.73	Above or below Benchmark (4)
GA - 1	2.15	06/29/2006	2.80	06/24/2014	0.65	2.45	Direct Gauge Reading (4)

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	07/18/2022	11.6	Surface	83.5	7.3
			1.0	80.2	7.2
			2.0	80.2	7.2
			3.0	80.2	7.2
			4.0	80.2	7.2
			5.0	80.2	7.1
			6.0	80.2	7.1
			7.0	80.2	7.0
			8.0	80.2	7.0
			9.0	80.2	7.0
			10.0	80.2	7.0
11.0	80.2	5.5			

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	07/18/2022	Surface	2.0	8.58	160	Brown Grn	Algae

Net Catch Summary by Numbers for GN

Standard gill net sets

Number of Sets: 3
First Set Date: 07/18/2022
Last Lift Date: 07/21/2022
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43 ¹		
				25%	50%	75%
BIB	Bigmouth Buffalo	2	0.67	0.75	2.58	6.96
BLB	Black Bullhead	48	16.00	30.34	75.58	150.62
BLC	Black Crappie	237	79.00	1.41	3.71	13.75
BLG	Bluegill	11	3.67	N/A	N/A	N/A
CCF	Channel Catfish	1	0.33	N/A	N/A	N/A
CAP	Common Carp	15	5.00	1.00	3.33	13.75
FRD	Freshwater Drum	102	34.00	0.50	2.56	8.33
LMB	Largemouth Bass	3	1.00	0.20	0.50	1.50
NOP	Northern Pike	1	0.33	1.08	3.00	8.00
WAE	Walleye	2	0.67	2.28	6.83	18.06
YEP	Yellow Perch	30	10.00	2.65	8.00	25.00
Total Fish/Set:			150.67	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	23.02	7.67	11.51	N/A	N/A	N/A
BLB	Black Bullhead	26.98	8.99	0.56	0.17	0.26	0.39
BLC	Black Crappie	51.29	17.10	0.22	0.16	0.25	0.35
BLG	Bluegill	1.69	0.56	0.17	N/A	N/A	N/A
CCF	Channel Catfish	2.03	0.68	2.03	N/A	N/A	N/A
CAP	Common Carp	75.06	25.02	5.00	0.81	1.98	3.70
FRD	Freshwater Drum	68.62	22.87	0.68	0.40	0.82	1.67
LMB	Largemouth Bass	4.70	1.57	1.57	0.60	1.18	1.37
NOP	Northern Pike	2.54	0.85	2.54	1.82	2.50	3.35
WAE	Walleye	13.34	4.45	6.67	1.01	1.53	2.30
YEP	Yellow Perch	4.09	1.36	0.14	0.13	0.21	0.31
Total Pounds Fish/Set:			91.12	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: 07/18/2022
 Last Lift Date: 07/21/2022
 Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43 ¹		
				25%	50%	75%
BLB	Black Bullhead	67	7.44	11.50	42.00	132.61
BLC	Black Crappie	343	38.11	1.17	4.88	20.50
BLG	Bluegill	437	48.56	1.17	3.89	20.00
CAP	Common Carp	13	1.44	1.00	2.44	5.51
FRD	Freshwater Drum	31	3.44	0.23	0.92	3.25
LMB	Largemouth Bass	2	0.22	0.23	0.38	0.67
NOP	Northern Pike	5	0.56	N/A	N/A	N/A
WAE	Walleye	2	0.22	0.50	1.33	2.95
YEB	Yellow Bullhead	18	2.00	0.50	1.13	2.50
YEP	Yellow Perch	1	0.11	0.33	1.37	3.76
Total Fish/Set:			102.11	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	52.33	5.81	0.78	0.18	0.28	0.40
BLC	Black Crappie	120.59	13.40	0.35	0.22	0.34	0.50
BLG	Bluegill	124.82	13.87	0.28	0.13	0.24	0.39
CAP	Common Carp	56.69	6.30	4.36	1.42	2.92	4.58
FRD	Freshwater Drum	30.61	3.40	0.99	0.28	0.60	0.95
LMB	Largemouth Bass	4.60	0.51	2.30	0.30	0.85	1.53
NOP	Northern Pike	30.76	3.42	6.15	N/A	N/A	N/A
WAE	Walleye	11.69	1.30	5.84	0.82	1.44	2.28
YEB	Yellow Bullhead	14.90	1.66	0.83	0.31	0.48	0.67
YEP	Yellow Perch	0.14	0.02	0.14	0.11	0.18	0.30
Total Pounds Fish/Set:			49.68	¹ Quartiles for Mean Weight			

² Mean Weights are based on measured fish counts only.

Length Frequency Distribution for GN

Standard gill net sets

(Field work conducted between 07/18/2022 and 07/21/2022)

	<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>WAE</u>	<u>YEP</u>
< 3.00	-	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-	-	-	-	-	-	-
4.00 - 4.49	-	-	1	3	-	-	-	-	-	-	-
4.50 - 4.99	-	-	8	1	-	-	-	-	-	-	-
5.00 - 5.49	-	-	5	-	-	-	-	-	-	-	-
5.50 - 5.99	-	-	1	1	-	-	-	-	-	-	1
6.00 - 6.49	-	-	4	1	-	-	-	-	-	-	7
6.50 - 6.99	-	-	35	-	-	-	1	-	-	-	14
7.00 - 7.49	-	-	49	1	-	-	1	-	-	-	1
7.50 - 7.99	-	1	13	2	-	-	1	-	-	-	1
8.00 - 8.49	-	3	6	-	-	-	18	-	-	-	-
8.50 - 8.99	-	5	20	-	-	-	11	-	-	-	-
9.00 - 9.49	-	9	18	-	-	-	1	-	-	-	-
9.50 - 9.99	-	3	1	-	-	-	-	-	-	-	-
10.00 - 10.49	-	5	-	-	-	-	-	-	-	-	-
10.50 - 10.99	-	9	-	-	-	-	-	-	-	-	-
11.00 - 11.49	-	5	-	-	-	-	-	-	-	-	-
11.50 - 11.99	-	2	-	-	-	-	-	1	-	-	-
12.00 - 12.99	-	-	-	-	-	-	6	-	-	-	-
13.00 - 13.99	-	-	-	-	-	-	36	-	-	-	-
14.00 - 14.99	-	-	-	-	-	-	4	-	-	-	-
15.00 - 15.99	-	-	-	-	-	-	3	-	-	-	-
16.00 - 16.99	-	-	-	-	-	-	-	1	-	-	-
17.00 - 17.99	-	-	-	-	1	-	-	-	-	-	-
18.00 - 18.99	-	-	-	-	1	-	-	-	-	-	-
19.00 - 19.99	-	-	-	-	1	1	-	-	-	-	-
20.00 - 20.99	-	-	-	-	1	-	-	-	-	-	-
21.00 - 21.99	-	-	-	-	1	-	-	-	1	-	-
22.00 - 22.99	-	-	-	-	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	-	1	-	-	-	-	-	-
24.00 - 24.99	-	-	-	-	2	-	-	-	-	1	-
25.00 - 25.99	-	-	-	-	-	-	-	-	-	-	-
26.00 - 26.99	-	-	-	-	1	-	-	-	-	1	-
27.00 - 27.99	1	-	-	-	-	-	-	-	-	-	-
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>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>LMB</u>	<u>NOP</u>	<u>WAE</u>	<u>YEP</u>
Total	1	42	161	9	9	1	82	2	1	2	24
Min. Length	27.76	7.95	4.45	4.33	17.76	19.21	6.73	11.85	21.50	24.80	5.71
Max. Length	27.76	11.89	9.53	7.72	26.34	19.21	15.51	16.50	21.50	26.50	7.72
Mean Length	27.76	9.97	7.43	6.18	21.90	19.21	11.48	14.17	21.50	25.65	6.65
# Measured	1	42	128	7	9	1	81	2	1	2	22
No Lengths for	0	0	88	2	0	0	1	0	0	0	2

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 (for fish < 36.00 inches)

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

(Field work conducted between 07/18/2022 and 07/21/2022)

	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>FRD</u>	<u>LMB</u>	<u>NOP</u>	<u>WAE</u>	<u>YEB</u>
< 3.00	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-	-	-	-	-
4.00 - 4.49	-	-	-	-	-	-	-	-	-
4.50 - 4.99	-	-	-	-	-	-	-	-	-
5.00 - 5.49	-	-	1	-	-	-	-	-	-
5.50 - 5.99	-	-	3	-	-	-	-	-	-
6.00 - 6.49	-	-	7	-	-	-	-	-	-
6.50 - 6.99	-	15	73	-	-	-	-	-	-
7.00 - 7.49	-	29	229	-	-	-	-	-	-
7.50 - 7.99	-	7	66	-	-	-	-	-	-
8.00 - 8.49	-	8	1	-	2	-	-	-	-
8.50 - 8.99	-	79	-	-	2	-	-	-	-
9.00 - 9.49	-	97	-	-	1	-	-	-	-
9.50 - 9.99	-	20	-	-	-	-	-	-	1
10.00 - 10.49	3	6	-	-	-	-	-	-	-
10.50 - 10.99	7	-	-	-	-	-	-	-	2
11.00 - 11.49	15	-	-	-	-	-	-	-	3
11.50 - 11.99	10	-	-	-	1	-	-	-	5
12.00 - 12.99	3	-	-	-	3	-	-	-	4
13.00 - 13.99	-	-	-	-	4	-	-	-	-
14.00 - 14.99	-	-	-	-	5	-	-	-	-
15.00 - 15.99	-	-	-	-	3	-	-	-	-
16.00 - 16.99	-	-	-	-	1	1	-	-	-
17.00 - 17.99	-	-	-	1	-	-	-	-	-
18.00 - 18.99	-	-	-	3	-	-	-	-	-
19.00 - 19.99	-	-	-	4	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-
26.00 - 26.99	-	-	-	-	-	-	-	1	-
27.00 - 27.99	-	-	-	-	-	-	1	-	-
28.00 - 28.99	-	-	-	-	-	-	-	-	-
29.00 - 29.99	-	-	-	-	-	-	1	-	-
30.00 - 30.99	-	-	-	-	-	-	-	-	-
31.00 - 31.99	-	-	-	1	-	-	-	-	-
32.00 - 32.99	-	-	-	-	-	-	-	-	-
33.00 - 33.99	-	-	-	-	-	-	-	-	-
34.00 - 34.99	-	-	-	-	-	-	-	-	-
35.00 - 35.99	-	-	-	-	-	-	-	-	-
= > 36.00	-	-	-	-	-	-	1	-	-

	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>FRD</u>	<u>LMB</u>	<u>NOP</u>	<u>WAE</u>	<u>YEB</u>
Total	38	261	380	11	22	1	3	1	15
Min. Length	10.24	6.69	5.35	17.01	8.07	16.38	27.99	26.06	9.84
Max. Length	12.20	10.16	8.15	31.02	16.18	16.38	36.30	26.06	12.52
Mean Length	11.26	8.64	7.20	20.75	12.78	16.38	31.27	26.06	11.53
# Measured	38	147	149	11	22	1	3	1	15
No Lengths for	0	147	246	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 (for fish \geq 36.00 inches)

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

(Field work conducted between 07/18/2022 and 07/21/2022)

	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>FRD</u>	<u>LMB</u>	<u>NOP</u>	<u>WAE</u>	<u>YEB</u>
< 36.00	38	262	380	11	22	1	2	1	15
36.00 - 36.99	-	-	-	-	-	-	1	-	-
37.00 - 37.99	-	-	-	-	-	-	-	-	-
38.00 - 38.99	-	-	-	-	-	-	-	-	-
39.00 - 39.99	-	-	-	-	-	-	-	-	-
40.00 - 40.99	-	-	-	-	-	-	-	-	-
41.00 - 41.99	-	-	-	-	-	-	-	-	-
42.00 - 42.99	-	-	-	-	-	-	-	-	-
43.00 - 43.99	-	-	-	-	-	-	-	-	-
44.00 - 44.99	-	-	-	-	-	-	-	-	-
45.00 - 45.99	-	-	-	-	-	-	-	-	-
46.00 - 46.99	-	-	-	-	-	-	-	-	-
47.00 - 47.99	-	-	-	-	-	-	-	-	-
48.00 - 48.99	-	-	-	-	-	-	-	-	-
49.00 - 49.99	-	-	-	-	-	-	-	-	-
50.00 - 50.99	-	-	-	-	-	-	-	-	-
51.00 - 51.99	-	-	-	-	-	-	-	-	-
52.00 - 52.99	-	-	-	-	-	-	-	-	-
53.00 - 53.99	-	-	-	-	-	-	-	-	-
54.00 - 54.99	-	-	-	-	-	-	-	-	-
55.00 - 55.99	-	-	-	-	-	-	-	-	-
56.00 - 56.99	-	-	-	-	-	-	-	-	-
57.00 - 57.99	-	-	-	-	-	-	-	-	-
58.00 - 58.99	-	-	-	-	-	-	-	-	-
59.00 - 59.99	-	-	-	-	-	-	-	-	-
60.00 - 60.99	-	-	-	-	-	-	-	-	-
61.00 - 61.99	-	-	-	-	-	-	-	-	-
62.00 - 62.99	-	-	-	-	-	-	-	-	-
63.00 - 63.99	-	-	-	-	-	-	-	-	-
64.00 - 64.99	-	-	-	-	-	-	-	-	-
65.00 - 65.99	-	-	-	-	-	-	-	-	-
66.00 - 66.99	-	-	-	-	-	-	-	-	-
67.00 - 67.99	-	-	-	-	-	-	-	-	-
68.00 - 68.99	-	-	-	-	-	-	-	-	-
69.00 - 69.99	-	-	-	-	-	-	-	-	-
70.00 - 70.99	-	-	-	-	-	-	-	-	-
71.00 - 71.99	-	-	-	-	-	-	-	-	-
72.00 - 72.99	-	-	-	-	-	-	-	-	-
73.00 - 73.99	-	-	-	-	-	-	-	-	-
74.00 - 74.99	-	-	-	-	-	-	-	-	-
75.00 - 75.99	-	-	-	-	-	-	-	-	-
76.00 - 76.99	-	-	-	-	-	-	-	-	-
77.00 - 77.99	-	-	-	-	-	-	-	-	-
= > 78.00	-	-	-	-	-	-	-	-	-
Total	38	262	380	11	22	1	3	1	15
Min. Length	10.24	6.69	5.35	17.01	8.07	16.38	27.99	26.06	9.84
Max. Length	12.20	10.16	8.15	31.02	16.18	16.38	36.30	26.06	12.52
Mean Length	11.26	8.64	7.20	20.75	12.78	16.38	31.27	26.06	11.53
# Measured	38	147	149	11	22	1	3	1	15
No Lengths for	0	147	246	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	7	1	0.04	0	N/A
	Snapping Turtle	4	4	8.74 - 12.88 - 15.91	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 07/21/2022), 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: 20210824-RJE. Data Date: 07/21/2022 at 12:58 pm .

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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: Long

Survey Type: Standard Survey

DOW Number: 83-0040-00

Survey ID Date: 07/18/2022

Survey Status: Field Work Complete

The following 22 (of 33) report components are not included in this Lake Survey Report:

1. Current Water Level
2. Benchmark And Gauge Descriptions / Locations
3. Water Level History¹
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 Observations²
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. Catch Summary (Pre-1993 Format) (added to revision 20201001)
18. Length At Capture With Last Incremental Length*
19. Back-Calculated Lengths
20. Age Class Frequency Distributions
21. Status Of Fishery And Field Notes
22. 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 07/21/2022 may not be reflected in the Distribution tables until 07/22/2022.

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).