Lake Name: S	ST <b>DRAFT VERSIO</b> Shaokotan	Fisheries Ma ANDARD LAKE S	inageme SURVEY F	REPORT AS OF 08/01/2014) Survey Type: F	Population Assessment
DOW Number				Sur	vey ID Date: 07/28/2014
Lake Identifica	ation				
	Alternate Lake Name: Primary Lake Class ID:		DN	R Sounding Map Number: B Alternate Lake Class ID: N	
Lake Location	l				
	Primary County:	Lincoln		Nearest Town: 1	vanhoe
Legal Descript	tions				
PL	Lake Center: S Section Lake Center:		nge - 46W	Section - 23	
A	All Legal Descriptions: Lincoln County:	Township - 111N Ra	nge - 46W	Sections - 22, 23, 24, 26, 2	7, 28
Lake Access	Area Name: Region Name:			ORG Code: F Region Number: 4	
(Information b	based on Population As	sessment dated 08/12/19	96)		
(Information b Station ID	based on Population Ast <b>Ownership</b>	sessment dated 08/12/19 Public Use	96) <b>Type</b>	Location / Comments	
			_	Location / Comments STATE OWNED BOAT AC SIDE.	CESS ON NORTH
Station ID	Ownership DNR	Public Use           Open to Public use	Type Concrete	STATE OWNED BOAT AC	CESS ON NORTH
Station ID	Ownership DNR (Data exclu	Public Use           Open to Public use	Type Concrete	STATE OWNED BOAT AC SIDE.	CESS ON NORTH
Station ID AC - 1	Ownership DNR (Data exclu	Public Use     Open to Public use	Oncrete	STATE OWNED BOAT AC SIDE.	
Station ID AC - 1 Lake Characte Lake Area	Ownership     DNR     (Data exclu- inistics     a (planimetered acres):     GIS Lake Area (acres):	Public Use Open to Public use Ides records where public use is 995.00 996.28	Oncrete	STATE OWNED BOAT AC SIDE. or is designated "No Public Use")	.73
Station ID AC - 1 Lake Characte Lake Area	Ownership     DNR     (Data exclu- inistics     a (planimetered acres):     GIS Lake Area (acres):     OW Lake Area (acres):	Public Use Open to Public use ides records where public use is 995.00 996.28 1043.00	_ Type Concrete not designated of GIS Fe	STATE OWNED BOAT AC SIDE. or is designated "No Public Use") Shoreline Length (miles): 8 Maximum Fetch (miles): 2 tch Orientation (degrees): 6	.73 .84 7
Station ID AC - 1 Lake Characte Lake Area	Ownership DNR (Data exclu ristics a (planimetered acres): GIS Lake Area (acres): OW Lake Area (acres): Littoral Area (acres):	Public Use Open to Public use des records where public use is 995.00 996.28 1043.00 996.28	_ Type Concrete not designated of GIS Fe	STATE OWNED BOAT AC SIDE. or is designated "No Public Use") Shoreline Length (miles): 8 Maximum Fetch (miles): 2 tch Orientation (degrees): 6 JSGS Quad Map Number: L	.73 .84 7 J04a
Station ID AC - 1 Lake Characte Lake Area	Ownership     DNR     (Data exclu- ristics     a (planimetered acres):     GIS Lake Area (acres):     OW Lake Area (acres):     Littoral Area (acres):     Area in MN (acres):	Public Use Open to Public use Ides records where public use is 995.00 996.28 1043.00 996.28 996.28 996.28	_ Type Concrete not designated of GIS Fe	STATE OWNED BOAT AC SIDE. or is designated "No Public Use") Shoreline Length (miles): 8 Maximum Fetch (miles): 2 tch Orientation (degrees): 6	.73 .84 7 J04a
Station ID AC - 1 Lake Characte Lake Area	Ownership DNR (Data exclu ristics a (planimetered acres): GIS Lake Area (acres): OW Lake Area (acres): Littoral Area (acres):	Public Use           Open to Public use           ides records where public use is           995.00           996.28           1043.00           996.28           996.28           1043.00           996.28           10.0	_ Type Concrete not designated of GIS Fe	STATE OWNED BOAT AC SIDE. or is designated "No Public Use") Shoreline Length (miles): 8 Maximum Fetch (miles): 2 tch Orientation (degrees): 6 JSGS Quad Map Number: L	.73 .84 7 J04a
Station ID AC - 1 Lake Characte Lake Area	Ownership DNR (Data exclu- ristics a (planimetered acres): GIS Lake Area (acres): OW Lake Area (acres): OW Lake Area (acres): Littoral Area (acres): Area in MN (acres): Maximum Depth (feet): Mean Depth (feet):	Public Use           Open to Public use           ides records where public use is           995.00           996.28           1043.00           996.28           996.28           1043.00           996.28           10.0	_ Type Concrete not designated of GIS Fe	STATE OWNED BOAT AC SIDE. or is designated "No Public Use") Shoreline Length (miles): 8 Maximum Fetch (miles): 2 tch Orientation (degrees): 6 JSGS Quad Map Number: L	.73 .84 7 J04a
Station ID AC - 1 Lake Characte Lake Area (	Ownership DNR (Data exclu- ristics a (planimetered acres): GIS Lake Area (acres): OW Lake Area (acres): Littoral Area (acres): Area in MN (acres): Maximum Depth (feet): Mean Depth (feet): aracteristics	Public Use           Open to Public use           ides records where public use is           995.00           996.28           1043.00           996.28           996.28           1043.00           996.28           10.0	_ Type Concrete not designated of GIS Fe	STATE OWNED BOAT AC SIDE. or is designated "No Public Use") Shoreline Length (miles): 8 Maximum Fetch (miles): 2 tch Orientation (degrees): 6 JSGS Quad Map Number: L SGS Quad 24K GIS Index: 4	.73 .84 7 J04a
Station ID AC - 1 Lake Characte Lake Area () Di Watershed Ch <u>Major Waters</u>	Ownership DNR (Data exclu- ristics a (planimetered acres): GIS Lake Area (acres): OW Lake Area (acres): Littoral Area (acres): Area in MN (acres): Maximum Depth (feet): Mean Depth (feet): aracteristics	Public Use           Open to Public use           ides records where public use is           995.00           996.28           1043.00           996.28           996.28           1043.00           996.28           10.0	_ Type Concrete not designated GIS Fe US	STATE OWNED BOAT AC SIDE. or is designated "No Public Use") Shoreline Length (miles): 8 Maximum Fetch (miles): 2 tch Orientation (degrees): 6 JSGS Quad Map Number: U SGS Quad 24K GIS Index: 4	.73 .84 7 J04a
Station ID AC - 1 Lake Characte Lake Area () Du Watershed Ch <u>Major Waters</u>	Ownership DNR (Data exclu- cristics a (planimetered acres): GIS Lake Area (acres): OW Lake Area (acres): Littoral Area (acres): Area in MN (acres): Maximum Depth (feet): Mean Depth (feet): Mean Depth (feet): aracteristics shed	Public Use           Open to Public use           ides records where public use is           995.00           996.28           1043.00           996.28           996.28           1043.00           996.28           10.0	_ Type Concrete not designated of GIS Fe US US	STATE OWNED BOAT AC SIDE. or is designated "No Public Use") Shoreline Length (miles): 8 Maximum Fetch (miles): 2 tch Orientation (degrees): 6 JSGS Quad Map Number: L SGS Quad 24K GIS Index: 4	.73 .84 7 J04a

# **Surveys And Investigations**

Re-Survey:	08/07/2000, 08/17/1992, 07/06/1983.
Population Assessment:	<u>07/28/2014</u> , 07/29/2013, 08/01/2011, 08/04/2008, 08/02/2004, 08/12/1996, 08/15/1988.
Special Assessment:	08/13/2013, 09/28/2010, 08/05/2010, 08/02/2010, 10/19/2009, 08/04/2009, 08/03/2009,
	09/16/2008, 08/04/2008, 10/13/1999, 09/15/1998, 10/09/1996, 08/17/1967.
Dissolved Oxygen Check:	01/02/2014, 02/06/2013, 01/03/2013, 01/10/2012, 12/29/2010, 01/05/2010.
External Management Survey:	06/03/2009, 07/21/2008.

# **Current Water Level**

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	07/28/2014	Normal	-5.10	Above or below Benchmark

# **Benchmark and Gauge Descriptions / Locations**

Station ID	Location Description
BM - 1	N/A

# Water Level History - Readings

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	07/28/2014	Normal	-5.10	Above or below Benchmark
	08/05/2010	Normal	-4.30	Above or below Benchmark
	08/05/2008	N/A	-4.80	Above or below Benchmark
GA - 1	08/01/2013	Normal	2.30	Direct Gauge Reading
	08/03/2011	Normal	2.14	Direct Gauge Reading
	08/05/2010	Normal	2.20	Direct Gauge Reading
	08/05/2008	N/A	1.70	Direct Gauge Reading

# Water Level History - Station Summary

	Minim	um Level	Maxim	um Level	Range	Average	Reading Type
Station ID	Feet	Date	Feet	Date	(feet)	Level (feet)	(and number of readings)
BM - 1	-5.10	07/28/2014	-4.30	08/05/2010	0.80	-4.73	Above or below Benchmark (3)
GA - 1	1.70	08/05/2008	2.30	08/01/2013	0.60	2.09	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	07/27/2014	N/A	Surface	71.1	8.5
			2.0	71.1	8.5
		4.0	71.1	8.4	
			6.0	71.1	8.4
			8.0	70.9	7.4
			9.0	70.9	7.2
		10.0	70.9	7.2	

# **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	07/27/2014	Surface	7.5	N\A	153	Clear	N/A

# Net Catch Summary by Numbers for GN

## Standard gill net sets

Number of Sets:	3
First Set Date:	07/28/2014
Last Lift Date:	07/31/2014
Target Species:	N/A

				Quartiles	for Lake Clas	s 41*
Abbr	Species	Total Fish	Number Per Set	25%	50%	75%
BLB	Black Bullhead	193	64.33	4.56	23.42	83.00
NOP	Northern Pike	4	1.33	1.20	3.50	7.79
WAE	Walleye	32	10.67	3.22	7.67	15.33
WTS	White Sucker	1	0.33	0.75	2.00	5.88
YEP	Yellow Perch	130	43.33	3.00	8.94	22.50
		Total Fish/Set:	120.00	* Quartiles	s for Number P	er Set

# Net Catch Summary by Weight for GN

# Standard gill net sets

		Total Weight	Pounds	Mean	Quartiles	s for Lake Clas	s 41*
Abbr	Species	(Pounds)	Per Set	Weight	25%	50%	75%
BLB	Black Bullhead	78.35	26.12	0.41	0.21	0.38	0.60
NOP	Northern Pike	15.10	5.03	3.78	1.53	2.12	2.95
WAE	Walleye	109.34	36.45	3.42	0.88	1.37	1.90
WTS	White Sucker	2.43	0.81	2.43	1.44	1.87	2.20
YEP	Yellow Perch	19.03	6.34	0.15	0.14	0.24	0.36
		– Total Pounds Fish/Set:	74.75		* Quarti	les for Mean W	eight

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# Net Catch Summary by Numbers for TN

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

Number of Sets:	12
First Set Date:	07/28/2014
Last Lift Date:	07/31/2014
Target Species:	N/A

				Quartiles for Lake Class 41*			
Abbr	Species	Total Fish	Number Per Set	25%	50%	75%	
BLB	Black Bullhead	24	2.00	1.33	14.73	78.13	
BLG	Bluegill	1	0.08	1.05	3.00	14.93	
GSF	Green Sunfish	6	0.50	0.13	0.33	0.66	
NOP	Northern Pike	8	0.67	N/A	N/A	N/A	
WAE	Walleye	6	0.50	0.31	0.73	1.69	
YEP	Yellow Perch	73	6.08	0.25	0.81	2.62	
		Total Fish/Set:	9.83	* Quartiles	s 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 Class 41*		
Abbr	Species	(Pounds)	Per Set	Weight	25%	50%	75%
BLB	Black Bullhead	9.11	0.76	0.38	0.21	0.36	0.59
BLG	Bluegill	0.04	0.00	0.04	0.16	0.25	0.38
GSF	Green Sunfish	0.30	0.02	0.05	0.06	0.10	0.17
NOP	Northern Pike	20.60	1.72	2.58	N/A	N/A	N/A
WAE	Walleye	14.09	1.17	2.35	0.85	1.63	2.41
YEP	Yellow Perch	8.93	0.74	0.12	0.13	0.20	0.31
		– Total Pounds Fish/Set:	4.42		* Quarti	les for Mean W	eight

# Length Frequency Distribution For <u>GN</u> (for fish < 36.00 inches)

## Standard gill net sets

(Field work conducted between 07/28/2014 and 07/31/2014)

	<u>BLB</u>	NOP	WAE	<u>wts</u>	YEP
< 3.00	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-
4.00 - 4.49	-	-	-	-	-
4.50 - 4.99	7	-	-	-	-
5.00 - 5.49	21	-	-	-	-
5.50 - 5.99	18	-	-	-	10
6.00 - 6.49	3	-	-	-	20
6.50 - 6.99	8	-	-	-	18
7.00 - 7.49	4	-	-	-	27
7.50 - 7.99	2	-	-	-	12
8.00 - 8.49	2	-	-	-	-
8.50 - 8.99	14	-	-	-	-
9.00 - 9.49	26	1	-	-	-
9.50 - 9.99	28	-	-	-	-
10.00 - 10.49	21	-	2	_	-
10.50 - 10.99	1	-	-	-	-
11.00 - 11.49	2	-	-	-	-
11.50 - 11.99	-	-	-	-	-
12.00 - 12.99	5	-	-	-	_
13.00 - 13.99	2	_	-	_	_
14.00 - 14.99	-	_	2	_	_
15.00 - 15.99	_	_	-	_	_
16.00 - 16.99			1		
			1	_	_
17.00 - 17.99	-	- 1	1	- 1	-
18.00 - 18.99	-	1	3	1	-
19.00 - 19.99	-	-	4	-	-
20.00 - 20.99	-	- 1	4 5	-	-
21.00 - 21.99	-	1	5 7	-	-
22.00 - 22.99	-	-	7	-	-
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	-	1	-	-	-
	BLB	NOP	WAE	WTS	YEP
Total	164	4	32	1	87
Min. Length	4.76	9.29	10.04	18.11	5.55
Max. Length	13.78	36.85	23.82	18.11	7.76
-	8.25	21.42	20.38	18.11	6.80
Mean Length	o.25 164	21.42 4	20.30 32	10.11	0.80 87
# Measured		-		-	
No Lengths for	29	0	0	0	43

**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 <u>GN</u> (for fish > 36.00 inches)

# Standard gill net sets

(Field work conducted between 07/28/2014 and 07/31/2014)

	BLB	NOP	WAE	<u>WTS</u>	YEP
< 36.00	164	3	32	1	87
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 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	-	-	-	-	-
	BLB	NOP	WAE	WTS	YEP
Total	164	4	32	1	87
Min. Length	4.76	9.29	10.04	18.11	5.55
Max. Length	13.78	36.85	23.82	18.11	7.76
		21.42		18.11	
Mean Length	8.25		20.38		6.80
# Measured	164	4	32	1	87
No Lengths for	29	0	0	0	43

**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 07/28/2014 and 07/31/2014)

						,	
	<u>BLB</u>	BLG	<u>GSF</u>	NOP	WAE	YEP	<u>YYEP</u>
< 3.00	-	-	-	-	-	-	-
3.00 - 3.49	-	-	1	-	-	-	-
3.50 - 3.99	1	-	1	-	-	-	-
4.00 - 4.49	3	1	4	-	-	-	-
4.50 - 4.99	5	-	-	-	-	-	-
5.00 - 5.49	1	-	-	-	-	-	1
5.50 - 5.99	1	-	-	-	-	16	-
6.00 - 6.49	-	-	-	-	-	34	1
6.50 - 6.99	2	-	-	-	-	11	1
7.00 - 7.49	-	-	-	-	-	3	-
7.50 - 7.99	-	-	-	-	-	-	-
8.00 - 8.49	-	-	-	-	1	-	-
8.50 - 8.99	-	-	-	1	-	-	-
9.00 - 9.49	-	-	-	-	-	-	-
9.50 - 9.99	3	-	-	1	-	-	-
10.00 - 10.49	3	-	-	-	-	-	_
10.50 - 10.99	2	-	_	_	-	-	_
11.00 - 11.49	1	-	-	-	-	-	_
11.50 - 11.49	1	_	_	_	-	_	_
12.00 - 12.99	-						
13.00 - 13.99	1			_	-		
13.00 - 13.99 14.00 - 14.99	1	-	-	-	- 1	-	-
	-	-	-	-	-	-	-
15.00 - 15.99	-	-	-		- 1	-	-
16.00 - 16.99	-	-	-	-	-	-	-
17.00 - 17.99	-	-	-	-		-	-
18.00 - 18.99	-	-	-	1	-	-	-
19.00 - 19.99	-	-	-	-	1	-	-
20.00 - 20.99	-	-	-	1	-	-	-
21.00 - 21.99	-	-	-	-	1	-	-
22.00 - 22.99	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	-	-	-	-
24.00 - 24.99	-	-	-	-	1	-	-
25.00 - 25.99	-	-	-	-	-	-	-
26.00 - 26.99	-	-	-	-	-	-	-
27.00 - 27.99	-	-	-	-	-	-	-
28.00 - 28.99	-	-	-	1	-	-	-
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	-	-	-	-	-	-	-
	<b>n</b>						10/
	BLB	BLG	<u>GSF</u>	NOP	WAE	<u>YEP</u>	<u>YYEP</u>
Total	24	1	6	7	6	64	3
Min. Length	3.86	4.09	3.11	8.54	8.46	5.51	5.35
Max. Length	13.19	4.09	4.49	30.87	24.41	7.36	6.50
Mean Length	7.57	4.09	4.01	21.00	17.40	6.24	5.96
# Measured	24	1	6	7	6	64	3
No Lengths for	0	0	0	1	0	6	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	Other Species (Gender) (2)	Total	Number	Length (inches)	Number	Weight (pounds)
Type (1)		Num	Measured	Min - Mean - Max	Weighed	Min - Mean - Max
TN	Painted Turtle	25	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 Standard Lake Survey Report contains preliminary data (as of 08/01/2014), 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.

Standard Lake Survey Report revision: 03/25/2014-RJE. Data Date: 08/01/2014 at 10:31 am .

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# REPORT OVERVIEW - FOR OFFICE USE ONLY

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

### Lake Name: Shaokotan

## DOW Number: 41-0089-00

# Survey Type: Population Assessment

Survey ID Date: 07/28/2014

Survey Status: Active

The following 18 (of 31) report components are not included in this 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. 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)

<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 Standard 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 08/01/2014 may not be reflected in the Distribution tables until after 12:30 pm on 08/01/2014.