



Minnesota Department of Natural Resources
Fisheries Management



STANDARD LAKE SURVEY REPORT

DRAFT VERSION - PRELIMINARY DATA (AS OF 11/14/2013)

Lake Name: Fox

Survey Type: Population Assessment

DOW Number: 46-0109-00

Survey ID Date: 09/03/2013

Lake Identification

Alternate Lake Name: N/A
Primary Lake Class ID: 24

DNR Sounding Map Number: D0266
Alternate Lake Class ID: N/A

Lake Location

Primary County: Martin

Nearest Town: Sherburn

Legal Descriptions

Lake Center: Township - 103N Range - 32W Section - 32
PLS Section Lake Center: 10303232

All Legal Descriptions:

Martin County: Township - 102N Range - 32W Sections - 4, 5, 6
Township - 103N Range - 32W Sections - 31, 32, 33, 34

Area Office

Area Name: Windom
Region Name: Southern

ORG Code: F418
Region Number: 4

Lake Access

(Information based on Population Assessment dated 09/07/1993)

Station ID	Ownership	Public Use	Type	Location / Comments
AC - 1	DNR	Open to Public use	Concrete	State access on the NE end of lake. 103N 32W S34. State access on the NE end of lake. 103N; 32W; S34.
AC - 2	Private Property	Client Use Only	Concrete	Fox Lake Club access on east end of lake. 103N 32W S34. Fox Lake Club access on east end of lake. 103N; 32W; S34.

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

Lake Characteristics

Lake Area (planimetered acres): 1041.00	GIS Shoreline Length (miles): 11.31
GIS Lake Area (acres): 951.02	Maximum Fetch (miles): 3.40
DOW Lake Area (acres): 967.00	Fetch Orientation (degrees): 90
Littoral Area (acres): 780.00	USGS Quad Map Number: X11b
Area in MN (acres): 951.02	USGS Quad 24K GIS Index: 4621
Maximum Depth (feet): 20.0	
Mean Depth (feet): N/A	

Watershed Characteristics

Major Watershed

Name: Blue Earth River
 Watershed Number: 30
 Watershed size (acres): 777,240

Minor Watershed

Name: Fox L
 Watershed Number: 77
 Watershed size (acres): 4,023

Surveys And Investigations

Re-Survey: 09/07/2010, 09/11/2006, 09/11/2000, 09/04/1991, 09/23/1986, 09/16/1985.

Population Assessment: 09/03/2013, 09/04/2012, 09/06/2011, 09/08/2009, 09/02/2008, 09/10/2007, 09/12/2005, 09/07/2004, 09/08/2003, 09/09/2002, 09/10/2001, 08/30/1999, 08/31/1998, 09/02/1997, 09/03/1996, 09/05/1995, 09/06/1994, 09/07/1993, 09/01/1992, 09/13/1988, 09/08/1987, 10/05/1981.

Special Assessment: 04/29/2013, 03/20/2012, 04/25/2011, 07/28/2010, 05/20/2010, 04/21/2009, 05/01/2008, 05/10/2007, 04/16/2007, 09/25/2000, 09/08/1999, 10/21/1997.

Dissolved Oxygen Check: 01/08/2013, 12/28/2012, 02/16/2012, 02/24/2010.

Current Water Level

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	09/06/2013	Low	-2.80	Above or below Benchmark

Benchmark and Gauge Descriptions / Locations

Station ID	Location Description
BM - 1	Top of concrete abutment at dam outlet.

Water Level History - Readings

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	09/06/2013	Low	-2.80	Above or below Benchmark
	09/04/2012	Low	-2.70	Above or below Benchmark
	09/07/2011	Low	-2.60	Above or below Benchmark
	09/10/2010	Normal	-1.80	Above or below Benchmark
	09/05/2009	N/A	N/A	Above or below Benchmark
	09/05/2008	N/A	-2.20	Above or below Benchmark
	09/10/2007	Normal	-0.90	Above or below Benchmark
	09/12/2006	Normal	-2.10	Above or below Benchmark

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	-2.80	09/06/2013	-0.90	09/10/2007	1.90	-2.16	Above or below Benchmark (7)

Dissolved Oxygen And Temperature Profile Of Lake Water

<u>Station ID</u>	<u>Sampling Date</u>	<u>Bottom Depth (Feet)</u>	<u>Sample Depth (Feet)</u>	<u>Water Temperature (°F)</u>	<u>Dissolved Oxygen (ppm)</u>
WQ - 1	09/04/2013	17.5	Surface	76.5	7.7
			2.0	76.6	7.4
			4.0	76.5	7.5
			6.0	76.5	7.5
			8.0	76.6	7.5
			10.0	76.6	7.4
			12.0	76.1	5.0
			13.0	76.1	4.7
			14.0	76.1	4.3
			15.0	75.9	4.0
			16.0	75.9	3.6
			17.0	75.9	3.1
			17.5	75.9	0.5

Field Measurements Of Water Quality

<u>Station ID</u>	<u>Sampling Date</u>	<u>Sample Depth (Feet)</u>	<u>Secchi Depth (Feet)</u>	<u>Field pH</u>	<u>Alkalinity (ppm)</u>	<u>Water Color</u>	<u>Color Cause</u>
WQ - 1	09/04/2013	Surface	2.6	8.60	240	Green	Algae

Net Catch Summary by Numbers for GN

Standard gill net sets

Number of Sets: 6
 First Set Date: 09/03/2013
 Last Lift Date: 09/06/2013
 Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 24*		
				25%	50%	75%
BIB	Bigmouth Buffalo	39	6.50	0.25	0.55	1.69
BLB	Black Bullhead	1	0.17	2.50	10.46	44.95
BLC	Black Crappie	34	5.67	2.50	6.91	16.50
CCF	Channel Catfish	2	0.33	N/A	N/A	N/A
CAP	Common Carp	4	0.67	0.33	1.00	3.00
FRD	Freshwater Drum	389	64.83	4.00	11.75	32.25
MUE	Muskellunge	2	0.33	0.25	0.50	1.00
WAE	Walleye	11	1.83	1.17	2.82	6.33
YEP	Yellow Perch	9	1.50	2.00	10.50	27.94
Total Fish/Set:			81.83	* 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	Quartiles for Lake Class 24*		
					25%	50%	75%
BIB	Bigmouth Buffalo	18.55	3.09	0.48	N/A	N/A	N/A
BLB	Black Bullhead	0.68	0.11	0.68	0.29	0.44	0.66
BLC	Black Crappie	16.73	2.79	0.49	0.15	0.20	0.26
CCF	Channel Catfish	9.92	1.65	4.96	N/A	N/A	N/A
CAP	Common Carp	31.20	5.20	7.80	1.87	3.41	5.24
FRD	Freshwater Drum	362.46	60.41	0.93	0.25	0.50	1.13
MUE	Muskellunge	22.71	3.78	11.35	1.86	2.90	4.00
WAE	Walleye	22.47	3.74	2.04	1.20	1.81	2.69
YEP	Yellow Perch	2.44	0.41	0.27	0.10	0.13	0.18
Total Pounds Fish/Set:			81.19	* Quartiles for Mean Weight			

Net Catch Summary by Numbers for TN

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

Number of Sets: 11
 First Set Date: 09/03/2013
 Last Lift Date: 09/06/2013
 Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 24*		
				25%	50%	75%
BLC	Black Crappie	59	5.36	1.83	6.50	21.16
CCF	Channel Catfish	4	0.36	N/A	N/A	N/A
CAP	Common Carp	7	0.64	0.38	0.74	2.00
FRD	Freshwater Drum	324	29.45	0.50	1.17	4.19
LMB	Largemouth Bass	2	0.18	0.20	0.33	0.67
WAE	Walleye	1	0.09	0.27	0.60	1.24
WHC	White Crappie	3	0.27	0.50	1.50	6.55
YEP	Yellow Perch	6	0.55	0.25	0.60	1.67
Total Fish/Set:			36.91	* 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	Quartiles for Lake Class 24*		
					25%	50%	75%
BLC	Black Crappie	15.03	1.37	0.25	0.18	0.24	0.33
CCF	Channel Catfish	20.56	1.87	5.14	N/A	N/A	N/A
CAP	Common Carp	51.10	4.65	7.30	2.58	4.07	6.02
FRD	Freshwater Drum	392.62	35.69	1.21	0.43	0.79	1.21
LMB	Largemouth Bass	0.18	0.02	0.09	0.15	0.31	0.91
WAE	Walleye	2.05	0.19	2.05	0.80	1.50	2.78
WHC	White Crappie	2.47	0.22	0.82	0.23	0.30	0.40
YEP	Yellow Perch	0.91	0.08	0.15	0.10	0.13	0.20
Total Pounds Fish/Set:			44.08	* Quartiles for Mean Weight			

Length Frequency Distribution For GN (for fish < 36.00 inches)

Standard gill net sets

(Field work conducted between 09/03/2013 and 09/06/2013)

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>MUE</u>	<u>WAE</u>	<u>YEP</u>
< 3.00	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	10	-	-	2	-	-	-
4.00 - 4.49	6	-	8	-	-	21	-	-	-
4.50 - 4.99	15	-	1	-	-	32	-	-	-
5.00 - 5.49	4	-	-	-	-	26	-	-	1
5.50 - 5.99	12	-	-	-	-	-	-	-	-
6.00 - 6.49	-	-	-	-	-	-	-	-	-
6.50 - 6.99	-	-	-	-	-	-	-	-	-
7.00 - 7.49	-	-	-	-	-	-	-	-	-
7.50 - 7.99	-	-	-	-	-	-	-	-	3
8.00 - 8.49	-	-	-	-	-	-	-	-	1
8.50 - 8.99	-	-	-	-	-	-	-	-	4
9.00 - 9.49	-	-	2	-	-	-	-	-	-
9.50 - 9.99	-	-	-	-	-	-	-	-	-
10.00 - 10.49	-	-	-	-	-	-	-	-	-
10.50 - 10.99	-	-	2	-	-	-	-	-	-
11.00 - 11.49	-	-	2	-	-	-	-	-	-
11.50 - 11.99	-	-	1	-	-	-	-	-	-
12.00 - 12.99	-	1	8	-	-	68	-	-	-
13.00 - 13.99	-	-	-	-	-	139	-	-	-
14.00 - 14.99	-	-	-	-	-	43	-	1	-
15.00 - 15.99	-	-	-	-	-	32	-	-	-
16.00 - 16.99	-	-	-	-	-	18	-	-	-
17.00 - 17.99	-	-	-	-	-	7	-	5	-
18.00 - 18.99	-	-	-	-	-	-	-	4	-
19.00 - 19.99	-	-	-	-	-	-	-	1	-
20.00 - 20.99	-	-	-	1	-	-	-	-	-
21.00 - 21.99	-	-	-	-	-	-	-	-	-
22.00 - 22.99	-	-	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	1	1	-	-	-	-
24.00 - 24.99	-	-	-	-	1	-	-	-	-
25.00 - 25.99	-	-	-	1	-	-	-	-	-
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	-	-	-	-	-	-	1	-	-
	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>MUE</u>	<u>WAE</u>	<u>YEP</u>
Total	38	1	34	4	2	388	2	11	9
Min. Length	4.09	12.20	3.70	20.12	23.94	3.78	29.88	14.76	5.16
Max. Length	28.74	12.20	12.68	30.28	24.88	17.95	41.18	19.45	8.98
Mean Length	5.71	12.20	7.30	24.93	24.41	10.94	35.53	17.68	7.95
# Measured	37	1	34	4	2	225	2	11	9
No Lengths for	2	0	0	0	0	164	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 GN (for fish \geq 36.00 inches)

Standard gill net sets

(Field work conducted between 09/03/2013 and 09/06/2013)

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>MUE</u>	<u>WAE</u>	<u>YEP</u>
< 36.00	38	1	34	4	2	389	1	11	9
36.00 - 36.99	-	-	-	-	-	-	-	-	-
37.00 - 37.99	-	-	-	-	-	-	-	-	-
38.00 - 38.99	-	-	-	-	-	-	-	-	-
39.00 - 39.99	-	-	-	-	-	-	-	-	-
40.00 - 40.99	-	-	-	-	-	-	-	-	-
41.00 - 41.99	-	-	-	-	-	-	1	-	-
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	1	34	4	2	389	2	11	9
Min. Length	4.09	12.20	3.70	20.12	23.94	3.78	29.88	14.76	5.16
Max. Length	28.74	12.20	12.68	30.28	24.88	17.95	41.18	19.45	8.98
Mean Length	5.71	12.20	7.30	24.93	24.41	10.94	35.53	17.68	7.95
# Measured	37	1	34	4	2	225	2	11	9
No Lengths for	2	0	0	0	0	164	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

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

(Field work conducted between 09/03/2013 and 09/06/2013)

	<u>BLC</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>LMB</u>	<u>WAE</u>	<u>WHC</u>	<u>YEP</u>
< 3.00	-	-	-	-	-	-	-	-
3.00 - 3.49	8	-	-	-	-	-	-	-
3.50 - 3.99	16	-	-	-	-	-	-	-
4.00 - 4.49	13	-	-	1	-	-	-	1
4.50 - 4.99	1	-	-	9	-	-	-	3
5.00 - 5.49	-	-	-	1	1	-	-	-
5.50 - 5.99	-	-	-	-	1	-	-	-
6.00 - 6.49	-	-	-	-	-	-	-	-
6.50 - 6.99	-	-	-	-	-	-	-	-
7.00 - 7.49	-	-	-	-	-	-	-	-
7.50 - 7.99	-	-	-	-	-	-	-	-
8.00 - 8.49	-	-	-	-	-	-	-	-
8.50 - 8.99	5	-	-	-	-	-	-	1
9.00 - 9.49	3	-	-	-	-	-	-	1
9.50 - 9.99	3	-	-	-	-	-	-	-
10.00 - 10.49	1	-	-	-	-	-	-	-
10.50 - 10.99	3	-	-	-	-	-	2	-
11.00 - 11.49	-	-	-	-	-	-	1	-
11.50 - 11.99	2	-	-	-	-	-	-	-
12.00 - 12.99	1	-	-	26	-	-	-	-
13.00 - 13.99	-	-	-	102	-	-	-	-
14.00 - 14.99	-	-	-	66	-	-	-	-
15.00 - 15.99	-	-	-	82	-	-	-	-
16.00 - 16.99	-	-	-	36	-	-	-	-
17.00 - 17.99	-	-	-	1	-	1	-	-
18.00 - 18.99	-	1	-	-	-	-	-	-
19.00 - 19.99	-	-	-	-	-	-	-	-
20.00 - 20.99	-	1	-	-	-	-	-	-
21.00 - 21.99	-	1	-	-	-	-	-	-
22.00 - 22.99	-	-	1	-	-	-	-	-
23.00 - 23.99	-	-	-	-	-	-	-	-
24.00 - 24.99	-	-	-	-	-	-	-	-
25.00 - 25.99	-	-	2	-	-	-	-	-
26.00 - 26.99	-	-	1	-	-	-	-	-
27.00 - 27.99	-	3	-	-	-	-	-	-
28.00 - 28.99	-	-	-	-	-	-	-	-
29.00 - 29.99	-	1	-	-	-	-	-	-
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>BLC</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>LMB</u>	<u>WAE</u>	<u>WHC</u>	<u>YEP</u>
Total	56	7	4	324	2	1	3	6
Min. Length	3.15	18.78	22.13	4.29	5.20	17.72	10.75	4.41
Max. Length	12.68	29.65	26.42	17.05	5.75	17.72	11.06	9.29
Mean Length	5.94	24.64	24.82	13.70	5.47	17.72	10.91	6.31
# Measured	52	7	4	170	2	1	3	5
No Lengths for	6	0	0	154	0	0	0	1

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 At Capture With Last Incremental Length

(Body-Scale constant, all lengths, and all length increments in inches)

Species: Walleye

Body-Scale Constant: 1.10

Total Sample Size: 11

Length at Capture in 2013 for Each Age Class, with Incremental Lengths for 2013

Year Class	Age	Sample Size	Length At Capture			Standard Error	Length Increments	
			Average Length	Maximum Length	Minimum Length		Increment	Standard Error
2011	2	1	14.76	14.76	14.76	N/A	1.84	N/A
2010	3	2	17.78	18.43	17.13	0.650	1.99	0.137
2009	4	7	18.01	19.45	17.24	0.331	1.63	0.123
2008	5	1	18.07	18.07	18.07	N/A	1.57	N/A

Back-Calculated Lengths for Each Age Class and Average Annual Increments of Back-Calculated Lengths

Species: Walleye

Gear Type: Combined Gear Types (GN)

Class	Age	N	1	2	3	4	5
2011	2	1	9.41	12.92	-	-	-
			9.41	3.51	-	-	-
2010	3	2	9.69	12.99	15.79	-	-
			9.69	3.30	2.80	-	-
2009	4	7	8.99	11.64	14.03	16.39	-
			8.99	2.66	2.39	2.36	-
2008	5	1	7.69	10.43	12.46	14.23	16.50
			7.69	2.74	2.03	1.77	2.27
Mean Length			9.03	11.89	14.22	16.12	16.50
Mean Increment			9.03	2.86	2.43	2.28	2.27
Total N			11	11	10	8	1

Age Class Frequency Distribution

Species and Gear (1)	Number of Fish (2)			Number of Fish in Year Class ('yy) and Age Class															
	Aged	Keyed	Unaged	'13	'12	'11	'10	'09	'08	'07	'06	'05	'04	'03	'02	'01	'00	'99	<'99
				0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15+
Walleye																			
GN	11	0	0	0	0	1	2	7	1	0	0	0	0	0	0	0	0	0	0

(1) Key to sampling gear abbreviations:

GN = Standard gill net sets

(2) Notes:

Number of Fish Aged: Fish that were aged from bony parts.

Number of Fish Keyed: Fish assigned an age with an age-length key or by expansion of mesh or station age distributions.

Number of Fish Unaged: Fish that were not aged and were not assigned an age.

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
	Snapping Turtle	2	2	9.88 - 10.26 - 10.63	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 11/14/2013), 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.

REPORT OVERVIEW - FOR OFFICE USE ONLY

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

Lake Name: Fox

Survey Type: Population Assessment

DOW Number: 46-0109-00

Survey ID Date: 09/03/2013

Survey Status: Field Work Complete

The following 15 (of 31) report components are not included in this report:

1. Water Level History*
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
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. Status Of Fishery And Field Notes
15. Water Quality (Winter Observations) (added to revision 01/21/2010)

* 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.

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 11/14/2013 may not be reflected in the Distribution tables until after 12:30 pm on 11/14/2013.

The following survey component was flagged to be specifically excluded from this report: TN - 2