



Minnesota Department of Natural Resources
Fisheries Management



STANDARD LAKE SURVEY REPORT

DRAFT VERSION - PRELIMINARY DATA (AS OF 10/25/2012)

Lake Name: Fox

Survey Type: Population Assessment

DOW Number: 46-0109-00

Survey ID Date: 09/04/2012

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: 09/04/2012, 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: 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: 02/16/2012, 02/24/2010.

Current Water Level

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	09/04/2012	Low	-2.70	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	09/04/2012	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	-2.70	09/04/2012	-0.90	09/10/2007	1.80	-2.05	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	09/04/2012	16.0	Surface	75.7	9.9
			3.0	75.4	9.6
			6.0	75.2	8.5
			9.0	74.8	7.1
			12.0	74.7	6.2
			13.0	74.3	5.2
			14.0	73.9	0.8
			15.0	73.8	0.2

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	09/04/2012	Surface	2.5	N/A	221	Green	Algae

Net Catch Summary by Numbers for GN**Standard gill net sets**

Number of Sets: 6
First Set Date: 09/04/2012
Last Lift Date: 09/07/2012
Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 24*		
				25%	50%	75%
BIB	Bigmouth Buffalo	4	0.67	0.25	0.55	1.69
BLB	Black Bullhead	6	1.00	2.50	10.46	44.95
BLC	Black Crappie	120	20.00	2.50	6.91	16.50
BLG	Bluegill	14	2.33	N/A	N/A	N/A
CCF	Channel Catfish	27	4.50	N/A	N/A	N/A
CAP	Common Carp	14	2.33	0.33	1.00	3.00
FRD	Freshwater Drum	256	42.67	4.00	11.75	32.25
GOS	Golden Shiner	4	0.67	0.25	0.50	1.54
LMB	Largemouth Bass	3	0.50	0.25	0.50	0.83
MUE	Muskellunge	1	0.17	0.25	0.50	1.00
WAE	Walleye	21	3.50	1.17	2.82	6.33
WHC	White Crappie	54	9.00	0.67	2.65	10.38
YEB	Yellow Bullhead	1	0.17	0.50	2.00	7.51
YEP	Yellow Perch	483	80.50	2.00	10.50	27.94
Total Fish/Set:			168.00	* 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	12.93	2.15	3.23	N/A	N/A	N/A
BLB	Black Bullhead	5.25	0.87	0.87	0.29	0.44	0.66
BLC	Black Crappie	43.37	7.23	0.36	0.15	0.20	0.26
BLG	Bluegill	2.51	0.42	0.18	N/A	N/A	N/A
CCF	Channel Catfish	149.14	24.86	5.52	N/A	N/A	N/A
CAP	Common Carp	80.57	13.43	5.76	1.87	3.41	5.24
FRD	Freshwater Drum	256.97	42.83	1.00	0.25	0.50	1.13
GOS	Golden Shiner	0.42	0.07	0.10	0.10	0.10	0.13
LMB	Largemouth Bass	4.45	0.74	1.48	0.40	0.60	1.00
MUE	Muskellunge	14.39	2.40	14.39	1.86	2.90	4.00
WAE	Walleye	20.72	3.45	0.99	1.20	1.81	2.69
WHC	White Crappie	16.12	2.69	0.30	0.17	0.24	0.33
YEB	Yellow Bullhead	0.78	0.13	0.78	0.46	0.61	0.82
YEP	Yellow Perch	118.67	19.78	0.25	0.10	0.13	0.18
Total Pounds Fish/Set:			121.05	* Quartiles for Mean Weight			

STANDARD LAKE SURVEY REPORT
POPULATION ASSESSMENT DATED 09/04/2012 FOR DOW NUMBER 46-0109-00

DRAFT

Net Catch Summary by Numbers for TN

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

Number of Sets: 16
 First Set Date: 09/04/2012
 Last Lift Date: 09/07/2012
 Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 24*		
				25%	50%	75%
BIB	Bigmouth Buffalo	1	0.06	0.20	0.25	0.75
BLB	Black Bullhead	2	0.13	0.71	3.75	25.65
BLC	Black Crappie	167	10.44	1.83	6.50	21.16
BLG	Bluegill	91	5.69	7.54	23.13	62.50
CCF	Channel Catfish	2	0.13	N/A	N/A	N/A
CAP	Common Carp	14	0.88	0.38	0.74	2.00
FRD	Freshwater Drum	110	6.88	0.50	1.17	4.19
GOS	Golden Shiner	3	0.19	0.17	0.30	0.83
GSF	Green Sunfish	1	0.06	0.20	0.50	1.29
HSF	Hybrid Sunfish	1	0.06	N/A	N/A	N/A
LMB	Largemouth Bass	3	0.19	0.20	0.33	0.67
MUE	Muskellunge	1	0.06	0.35	0.43	0.52
WAE	Walleye	22	1.38	0.27	0.60	1.24
WHC	White Crappie	103	6.44	0.50	1.50	6.55
YEP	Yellow Perch	20	1.25	0.25	0.60	1.67
Total Fish/Set:			33.81	* 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%
BIB	Bigmouth Buffalo	0.11	0.01	0.11	2.50	4.13	5.65
BLB	Black Bullhead	1.40	0.09	0.70	0.28	0.43	0.62
BLC	Black Crappie	76.17	4.76	0.46	0.18	0.24	0.33
BLG	Bluegill	21.74	1.36	0.24	0.13	0.18	0.25
CCF	Channel Catfish	8.60	0.54	4.30	N/A	N/A	N/A
CAP	Common Carp	67.02	4.19	4.79	2.58	4.07	6.02
FRD	Freshwater Drum	133.31	8.33	1.21	0.43	0.79	1.21
GOS	Golden Shiner	0.20	0.01	0.07	0.07	0.10	0.13
GSF	Green Sunfish	0.26	0.02	0.26	0.07	0.10	0.17
HSF	Hybrid Sunfish	0.79	0.05	0.79	N/A	N/A	N/A
LMB	Largemouth Bass	2.19	0.14	0.73	0.15	0.31	0.91
MUE	Muskellunge	8.05	0.50	8.05	1.45	3.14	6.96
WAE	Walleye	22.07	1.38	1.00	0.80	1.50	2.78
WHC	White Crappie	38.76	2.42	0.38	0.23	0.30	0.40
YEP	Yellow Perch	6.15	0.38	0.31	0.10	0.13	0.20
Total Pounds Fish/Set:			24.18	* Quartiles for Mean Weight			

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

Standard gill net sets

(Field work conducted between 09/04/2012 and 09/07/2012)

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>GOS</u>	<u>LMB</u>	<u>MUE</u>	<u>WAE</u>	<u>WHC</u>	<u>YEB</u>	<u>YEP</u>
< 3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.00 - 4.49	-	-	6	-	-	-	-	-	-	-	-	1	-	-
4.50 - 4.99	-	-	-	1	-	-	-	-	-	-	-	5	-	-
5.00 - 5.49	-	-	-	1	-	-	-	-	-	-	-	-	-	-
5.50 - 5.99	1	-	-	6	-	-	7	-	-	-	-	-	-	-
6.00 - 6.49	2	-	1	5	-	-	1	2	-	-	-	-	-	3
6.50 - 6.99	-	-	29	1	-	-	-	2	-	-	-	2	-	47
7.00 - 7.49	-	-	37	-	-	-	-	-	-	-	-	7	-	144
7.50 - 7.99	-	-	7	-	1	-	-	-	-	-	-	13	-	103
8.00 - 8.49	-	-	11	-	-	-	-	-	-	-	-	9	-	62
8.50 - 8.99	-	-	2	-	-	-	1	-	-	-	-	2	-	31
9.00 - 9.49	-	-	5	-	-	-	14	-	-	-	-	1	-	51
9.50 - 9.99	-	-	3	-	-	-	8	-	-	-	-	9	-	25
10.00 - 10.49	-	-	-	-	-	-	2	-	-	-	-	3	-	17
10.50 - 10.99	-	2	3	-	-	-	-	-	-	-	1	1	-	1
11.00 - 11.49	-	1	10	-	-	-	-	-	1	-	1	-	1	-
11.50 - 11.99	-	-	4	-	-	-	1	-	-	-	-	-	-	-
12.00 - 12.99	-	3	2	-	-	-	49	-	-	-	1	-	-	-
13.00 - 13.99	-	-	-	-	-	-	96	-	-	-	3	-	-	-
14.00 - 14.99	-	-	-	-	-	-	34	-	2	-	4	-	-	-
15.00 - 15.99	-	-	-	-	-	-	28	-	-	-	7	-	-	-
16.00 - 16.99	-	-	-	-	-	-	10	-	-	-	3	-	-	-
17.00 - 17.99	-	-	-	-	1	-	5	-	-	-	-	-	-	-
18.00 - 18.99	-	-	-	-	3	1	-	-	-	-	-	-	-	-
19.00 - 19.99	-	-	-	-	1	-	-	-	-	-	-	-	-	-
20.00 - 20.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.00 - 21.99	-	-	-	-	-	1	-	-	-	-	-	-	-	-
22.00 - 22.99	-	-	-	-	-	2	-	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	-	4	3	-	-	-	-	-	-	-	-
24.00 - 24.99	-	-	-	-	2	2	-	-	-	-	-	-	-	-
25.00 - 25.99	-	-	-	-	-	11	-	-	-	-	-	-	-	-
26.00 - 26.99	-	-	-	-	1	4	-	-	-	-	-	-	-	-
27.00 - 27.99	1	-	-	-	-	1	-	-	-	-	-	-	-	-
28.00 - 28.99	-	-	-	-	1	2	-	-	-	-	-	-	-	-
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	-	-	-	-
	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>GOS</u>	<u>LMB</u>	<u>MUE</u>	<u>WAE</u>	<u>WHC</u>	<u>YEB</u>	<u>YEP</u>
Total	4	6	120	14	14	27	256	4	3	1	20	53	1	484
Min. Length	5.94	10.55	4.17	4.57	7.91	18.03	5.51	6.30	11.18	42.13	10.67	4.33	11.42	6.42
Max. Length	27.80	12.40	12.24	6.50	28.78	28.82	17.60	6.93	14.53	42.13	16.89	10.83	11.42	10.83
Mean Length	11.48	11.56	7.99	5.81	21.47	24.96	12.86	6.61	13.41	42.13	14.63	7.97	11.42	8.35
# Measured	4	6	101	12	14	26	148	2	3	1	20	53	1	147
No Lengths for	0	0	19	2	0	1	108	2	0	0	1	1	0	336

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

STANDARD LAKE SURVEY REPORT
POPULATION ASSESSMENT DATED 09/04/2012 FOR DOW NUMBER 46-0109-00

DRAFT

Length Frequency Distribution For GN (for fish \geq 36.00 inches)

Standard gill net sets

(Field work conducted between 09/04/2012 and 09/07/2012)

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>GOS</u>	<u>LMB</u>	<u>MUE</u>	<u>WAE</u>	<u>WHC</u>	<u>YEB</u>	<u>YEP</u>
< 36.00	4	6	120	14	14	27	256	4	3	-	21	54	1	483
36.00 - 36.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37.00 - 37.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38.00 - 38.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39.00 - 39.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40.00 - 40.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41.00 - 41.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.00 - 42.99	-	-	-	-	-	-	-	-	-	1	-	-	-	-
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	4	6	120	14	14	27	256	4	3	1	21	54	1	483
Min. Length	5.94	10.55	4.17	4.57	7.91	18.03	5.51	6.30	11.18	42.13	10.67	4.33	11.42	6.42
Max. Length	27.80	12.40	12.24	6.50	28.78	28.82	17.60	6.93	14.53	42.13	16.89	10.83	11.42	10.83
Mean Length	11.48	11.56	7.99	5.81	21.47	24.96	12.86	6.61	13.41	42.13	14.63	7.97	11.42	8.35
# Measured	4	6	101	12	14	26	148	2	3	1	20	53	1	147
No Lengths for	0	0	19	2	0	1	108	2	0	0	1	1	0	336

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Length Frequency Distribution For TN

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

(Field work conducted between 09/04/2012 and 09/07/2012)

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>FRD</u>	<u>GOS</u>	<u>GSF</u>	<u>HSF</u>	<u>LMB</u>	<u>MUE</u>	<u>WAE</u>	<u>WHC</u>	<u>YEP</u>
< 3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	5	3	-	-	-	-	-	-	-	-	-	2	-
4.00 - 4.49	-	-	3	5	-	-	-	-	-	-	-	-	-	1	-
4.50 - 4.99	-	-	-	3	-	-	-	-	-	-	-	-	-	2	-
5.00 - 5.49	-	-	1	14	-	-	-	-	-	-	1	-	-	-	-
5.50 - 5.99	1	-	-	23	-	-	2	3	-	-	-	-	-	-	-
6.00 - 6.49	-	-	3	15	-	-	5	-	1	-	-	-	-	-	-
6.50 - 6.99	-	-	40	4	-	-	-	-	-	-	-	-	-	2	2
7.00 - 7.49	-	-	28	5	2	-	-	-	-	-	-	-	-	11	3
7.50 - 7.99	-	-	2	13	-	-	-	-	-	-	-	-	-	23	3
8.00 - 8.49	-	-	6	3	-	-	-	-	-	-	-	-	-	13	1
8.50 - 8.99	-	-	5	1	-	-	2	-	-	-	1	-	-	6	5
9.00 - 9.49	-	-	18	1	-	-	11	-	-	1	-	-	-	6	3
9.50 - 9.99	-	1	7	-	-	-	7	-	-	-	-	-	-	17	-
10.00 - 10.49	-	-	8	-	-	-	1	-	-	-	-	-	-	7	3
10.50 - 10.99	-	-	24	-	-	-	1	-	-	-	-	-	-	6	-
11.00 - 11.49	-	-	7	-	-	-	-	-	-	-	-	-	2	3	-
11.50 - 11.99	-	-	4	-	-	-	-	-	-	-	-	-	3	4	-
12.00 - 12.99	-	1	3	-	-	-	3	-	-	-	-	-	1	-	-
13.00 - 13.99	-	-	1	-	-	-	14	-	-	-	1	-	3	-	-
14.00 - 14.99	-	-	1	-	-	-	23	-	-	-	-	-	2	-	-
15.00 - 15.99	-	-	-	-	-	-	22	-	-	-	-	-	6	-	-
16.00 - 16.99	-	-	-	-	-	-	13	-	-	-	-	-	3	-	-
17.00 - 17.99	-	-	-	-	-	-	3	-	-	-	-	-	1	-	-
18.00 - 18.99	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-
19.00 - 19.99	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
20.00 - 20.99	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
21.00 - 21.99	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
22.00 - 22.99	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.00 - 30.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31.00 - 31.99	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
32.00 - 32.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33.00 - 33.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34.00 - 34.99	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
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>GOS</u>	<u>GSF</u>	<u>HSF</u>	<u>LMB</u>	<u>MUE</u>	<u>WAE</u>	<u>WHC</u>	<u>YEP</u>
Total	1	2	167	90	14	2	110	3	1	1	3	1	21	103	20
Min. Length	5.94	9.76	3.43	3.58	7.05	21.85	5.63	5.83	6.38	9.37	5.16	34.61	11.18	3.66	6.54
Max. Length	5.94	12.28	14.25	9.09	31.93	27.17	22.87	5.91	6.38	9.37	13.90	34.61	17.20	11.97	10.39
Mean Length	5.94	11.02	8.43	6.16	19.90	24.51	13.44	5.88	6.38	9.37	9.34	34.61	14.21	8.64	8.40
# Measured	1	2	154	87	14	2	110	3	1	1	3	1	21	103	20
No Lengths for	0	0	13	4	0	0	0	0	0	0	0	0	1	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	24	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 10/25/2012), 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: 09/04/2012

Survey Status: Field Work Complete

The following 18 (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. 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)

* 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.

* 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 10/25/2012 may not be reflected in the Distribution tables until after 12:30 pm on 10/25/2012.