



Minnesota Department of Natural Resources
Fisheries Management



STANDARD LAKE SURVEY REPORT

DRAFT VERSION - PRELIMINARY DATA (AS OF 07/26/2012)

Lake Name: Cottonwood

Survey Type: Population Assessment

DOW Number: 17-0022-00

Survey ID Date: 07/23/2012

POPULATION ASSESSMENT

Beach Seine (1/8 inch 50 foot)

Backpack Electrofishing

Lake Identification

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

DNR Sounding Map Number: C2565
Alternate Lake Class ID: N/A

Lake Location

Primary County: Cottonwood

Nearest Town: Windom

Legal Descriptions

Lake Center: Township - 105N Range - 35W Section - 19
PLS Section Lake Center: 10503519

All Legal Descriptions:

Cottonwood County: Township - 105N Range - 35W Sections - 19, 30
Township - 105N Range - 36W Sections - 24, 25

Area Office

Area Name: Windom
Region Name: Southern

ORG Code: F418
Region Number: 4

Lake Access

(Information based on Population Assessment dated 07/25/1994)

Station ID	Ownership	Public Use	Type	Location / Comments
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(Data excludes records where public use is not designated or is designated "No Public Use")

Lake Characteristics

Lake Area (planimetered acres): 140.00	GIS Shoreline Length (miles): 3.47
GIS Lake Area (acres): 154.97	Maximum Fetch (miles): 1.00
DOW Lake Area (acres): 146.00	Fetch Orientation (degrees): 22
Littoral Area (acres): 154.97	USGS Quad Map Number: W09a
Area in MN (acres): 154.97	USGS Quad 24K GIS Index: 4418
Maximum Depth (feet): 10.0	
Mean Depth (feet): 8.0	

Watershed Characteristics

Major Watershed

Name: Des Moines-Headwaters
 Watershed Number: 51
 Watershed size (acres): 798,595

Minor Watershed

Name: Warren L Outlet
 Watershed Number: 10
 Watershed size (acres): 7,531

Surveys And Investigations

Initial Survey: 07/23/1990.
 Re-Survey: 07/20/1998.
 Population Assessment: 07/23/2012, 07/21/2008, 07/22/2002, 07/25/1994.
 Special Assessment: 08/29/1955.
 Dissolved Oxygen Check: 01/20/2012, 12/29/2010, 01/12/2010.

Current Water Level

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	07/23/2012	Low	-4.30	Above or below Benchmark

Benchmark and Gauge Descriptions / Locations

Station ID	Location Description
BM - 1	Top of northeast corner of concrete slab under aeration house by access.

Water Level History - Readings

Station ID	Date	Level	Reading (feet)	Reading Type
BM - 1	07/23/2012	Low	-4.30	Above or below Benchmark
	07/24/2008	Low	-4.30	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	-4.30	07/24/2008	-4.30	07/24/2008	0.00	-4.30	Above or below Benchmark (2)

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	07/23/2012	11.0	Surface	81.9	7.4
			1.0	81.9	7.4
			2.0	81.9	7.4
			3.0	81.9	7.2
			4.0	81.7	7.1
			5.0	81.7	7.1
			6.0	81.7	6.8
			7.0	81.7	6.8
			8.0	81.7	6.6
			9.0	81.5	6.4
			10.0	81.1	3.9
			11.0	80.8	2.9

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	07/23/2012	Surface	1.8	8.50	204	Brown Grn	Algae

Net Catch Summary by Numbers for GN

Standard gill net sets

Number of Sets: 3
 First Set Date: 07/23/2012
 Last Lift Date: 07/26/2012
 Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43*		
				25%	50%	75%
BLB	Black Bullhead	247	82.33	30.34	75.58	150.62
BLC	Black Crappie	71	23.67	1.41	3.71	13.75
BLG	Bluegill	10	3.33	N/A	N/A	N/A
CCF	Channel Catfish	1	0.33	N/A	N/A	N/A
CAP	Common Carp	18	6.00	1.00	3.33	13.75
NOP	Northern Pike	7	2.33	1.08	3.00	8.00
PMK	Pumpkinseed	7	2.33	N/A	N/A	N/A
WAE	Walleye	32	10.67	2.28	6.83	18.06
WTS	White Sucker	2	0.67	0.81	2.33	6.50
YEP	Yellow Perch	197	65.67	2.65	8.00	25.00
Total Fish/Set:			197.33	* 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 43*		
					25%	50%	75%
BLB	Black Bullhead	50.09	16.70	0.20	0.17	0.26	0.39
BLC	Black Crappie	13.88	4.63	0.20	0.16	0.25	0.35
BLG	Bluegill	1.30	0.43	0.13	N/A	N/A	N/A
CCF	Channel Catfish	1.02	0.34	1.02	N/A	N/A	N/A
CAP	Common Carp	63.02	21.01	3.50	0.81	1.98	3.70
NOP	Northern Pike	24.20	8.07	3.46	1.82	2.50	3.35
PMK	Pumpkinseed	0.67	0.22	0.10	N/A	N/A	N/A
WAE	Walleye	92.35	30.78	2.89	1.01	1.53	2.30
WTS	White Sucker	4.65	1.55	2.33	0.93	1.58	2.02
YEP	Yellow Perch	22.48	7.49	0.11	0.13	0.21	0.31
Total Pounds Fish/Set:			91.22	* Quartiles for Mean Weight			

Net Catch Summary by Numbers for TN

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

Number of Sets: 8
 First Set Date: 07/23/2012
 Last Lift Date: 07/26/2012
 Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 43*		
				25%	50%	75%
BLB	Black Bullhead	332	41.50	11.50	42.00	132.61
BLC	Black Crappie	126	15.75	1.17	4.88	20.50
BLG	Bluegill	180	22.50	1.17	3.89	20.00
CCF	Channel Catfish	16	2.00	N/A	N/A	N/A
CAP	Common Carp	2	0.25	1.00	2.44	5.51
LMB	Largemouth Bass	1	0.13	0.23	0.38	0.67
NOP	Northern Pike	5	0.63	N/A	N/A	N/A
PMK	Pumpkinseed	43	5.38	0.26	1.35	4.92
WAE	Walleye	6	0.75	0.50	1.33	2.95
WTS	White Sucker	1	0.13	0.34	0.88	2.58
YEB	Yellow Bullhead	2	0.25	0.50	1.13	2.50
YEP	Yellow Perch	42	5.25	0.33	1.37	3.76
Total Fish/Set:			94.50	* 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 43*		
					25%	50%	75%
BLB	Black Bullhead	116.32	14.54	0.35	0.18	0.28	0.40
BLC	Black Crappie	30.76	3.85	0.24	0.22	0.34	0.50
BLG	Bluegill	37.10	4.64	0.21	0.13	0.24	0.39
CCF	Channel Catfish	22.04	2.76	1.38	N/A	N/A	N/A
CAP	Common Carp	6.62	0.83	3.31	1.42	2.92	4.58
LMB	Largemouth Bass	1.76	0.22	1.76	0.30	0.85	1.53
NOP	Northern Pike	23.99	3.00	4.80	N/A	N/A	N/A
PMK	Pumpkinseed	5.91	0.74	0.14	0.08	0.12	0.20
WAE	Walleye	2.78	0.35	0.46	0.82	1.44	2.28
WTS	White Sucker	2.65	0.33	2.65	1.05	1.47	2.04
YEB	Yellow Bullhead	0.78	0.10	0.39	0.31	0.48	0.67
YEP	Yellow Perch	4.59	0.57	0.11	0.11	0.18	0.30
Total Pounds Fish/Set:			31.91	* Quartiles for Mean Weight			

Electrofishing Catch Summary for EF

Standard electrofishing

Total run-time for all stations: 01:12:00
Total on-time for all stations: 01:05:32
First Sampling Date: 05/31/2012
Last Sampling Date: 05/31/2012
Daylight Sampling: No
Target Species: All ages largemouth bass

Abbr	Species	Summary By Numbers			Summary By Weight (pounds)			
		Total Number	Number per Hour Run-Time	On-Time	Total Weight	Lbs per Hour Run-Time	On-Time	Mean Weight
LMB	Largemouth Bass	5	4.17	4.58	13.32	11.10	12.20	2.66

Electrofishing Catch Summary for EFB

Electrofishing, Backpack

Total run-time for all stations: 00:50:00

Total on-time for all stations: 00:30:33

First Sampling Date: 07/20/2012

Last Sampling Date: 07/20/2012

Daylight Sampling: Yes

Target Species: N/A

Abbr	Species	Summary By Numbers			Summary By Weight (pounds)			
		Total Number	Number per Hour Run-Time	On-Time	Total Weight	Lbs per Hour Run-Time	On-Time	Mean Weight
BLB	Black Bullhead	38	45.60	74.63	0.00	0.00	0.00	0.00
BLC	Black Crappie	1	1.20	1.96	0.00	0.00	0.00	0.00
BLG	Bluegill	43	51.60	84.45	0.00	0.00	0.00	0.00
HSF	Hybrid Sunfish	2	2.40	3.93	0.00	0.00	0.00	0.00
LMB	Largemouth Bass	8	9.60	15.71	21.32	25.58	41.86	2.66
PMK	Pumpkinseed	4	4.80	7.86	0.00	0.00	0.00	0.00
YEP	Yellow Perch	4	4.80	7.86	0.00	0.00	0.00	0.00

Natural Reproduction Catch Summary for S58

Seining, 50 foot 1/8 in Beach Seine for IBI

Number of Hauls: 10
 First Haul Date: 07/20/2012
 Last Haul Date: 07/20/2012
 Target Species: N/A

Abbr	Species	Age	Total Number	Number Measured	Mean Length (inches)	Length Range (inches)	
						Minimum	Maximum
JND	Johnny Darter	All	2	0	N/A	N/A	N/A
BLB	Black Bullhead	YOY	7	0	N/A	N/A	N/A
BLB	Black Bullhead	≥ 1	1	0	N/A	N/A	N/A
BLC	Black Crappie	All	3	0	N/A	N/A	N/A
BLG	Bluegill	YOY	628	0	N/A	N/A	N/A
BLG	Bluegill	≥ 1	7	0	N/A	N/A	N/A
CAP	Common Carp	All	1	0	N/A	N/A	N/A
FHM	Fathead Minnow	All	1	0	N/A	N/A	N/A
HSF	Hybrid Sunfish	All	1	0	N/A	N/A	N/A
LMB	Largemouth Bass	YOY	142	0	N/A	N/A	N/A
PMK	Pumpkinseed	All	14	0	N/A	N/A	N/A
YEP	Yellow Perch	YOY	89	0	N/A	N/A	N/A
YEP	Yellow Perch	≥ 1	2	0	N/A	N/A	N/A

Length Frequency Distribution For GN

Standard gill net sets

(Field work conducted between 07/23/2012 and 07/26/2012)

	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>NOP</u>	<u>PMK</u>	<u>WAE</u>	<u>WTS</u>	<u>YEP</u>
< 3.00	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-	-	-	-	-	-
4.00 - 4.49	-	-	-	-	-	-	1	-	-	-
4.50 - 4.99	-	-	5	-	-	-	3	-	-	-
5.00 - 5.49	16	6	1	-	-	-	1	-	-	4
5.50 - 5.99	19	9	-	-	-	-	1	-	-	23
6.00 - 6.49	4	20	3	-	-	-	-	-	-	29
6.50 - 6.99	13	9	1	-	-	-	1	-	-	15
7.00 - 7.49	29	1	-	-	-	-	-	-	-	13
7.50 - 7.99	16	6	-	-	-	-	-	-	-	16
8.00 - 8.49	12	12	-	-	-	-	-	-	-	2
8.50 - 8.99	16	5	-	-	-	-	-	-	-	3
9.00 - 9.49	3	2	-	-	-	-	-	-	-	-
9.50 - 9.99	-	1	-	-	-	-	-	-	-	-
10.00 - 10.49	-	-	-	-	-	-	-	-	-	-
10.50 - 10.99	-	-	-	-	-	-	-	-	-	-
11.00 - 11.49	-	-	-	-	-	-	-	-	-	-
11.50 - 11.99	-	-	-	-	-	-	-	-	-	-
12.00 - 12.99	-	-	-	-	-	-	-	-	-	-
13.00 - 13.99	-	-	-	-	-	-	-	1	-	-
14.00 - 14.99	-	-	-	-	-	-	-	-	-	-
15.00 - 15.99	-	-	-	1	-	-	-	-	-	-
16.00 - 16.99	-	-	-	-	1	-	-	-	1	-
17.00 - 17.99	-	-	-	6	-	-	-	9	-	-
18.00 - 18.99	-	-	-	4	-	-	-	5	-	-
19.00 - 19.99	-	-	-	1	-	1	-	5	1	-
20.00 - 20.99	-	-	-	-	-	-	-	3	-	-
21.00 - 21.99	-	-	-	-	-	-	-	3	-	-
22.00 - 22.99	-	-	-	1	-	-	-	2	-	-
23.00 - 23.99	-	-	-	3	-	1	-	-	-	-
24.00 - 24.99	-	-	-	-	-	1	-	1	-	-
25.00 - 25.99	-	-	-	2	-	-	-	1	-	-
26.00 - 26.99	-	-	-	-	-	2	-	-	-	-
27.00 - 27.99	-	-	-	-	-	2	-	1	-	-
28.00 - 28.99	-	-	-	-	-	-	-	-	-	-
29.00 - 29.99	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>NOP</u>	<u>PMK</u>	<u>WAE</u>	<u>WTS</u>	<u>YEP</u>
Total	128	71	10	18	1	7	7	32	2	105
Min. Length	5.16	5.24	4.53	15.59	16.22	19.53	4.17	13.50	16.10	5.39
Max. Length	9.37	9.69	6.61	25.83	16.22	27.40	6.65	30.20	19.09	8.82
Mean Length	7.08	6.95	5.54	19.89	16.22	24.97	5.17	19.84	17.60	6.65
# Measured	128	71	8	18	1	7	7	32	2	102
No Lengths for	119	0	2	0	0	0	0	0	0	95

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 07/23/2012 and 07/26/2012)

	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>LMB</u>	<u>NOP</u>	<u>PMK</u>	<u>WAE</u>	<u>WTS</u>	<u>YEB</u>	<u>YEP</u>
< 3.00	-	-	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	3	-	-	-	-	1	-	-	-	-
4.00 - 4.49	-	-	3	-	-	-	-	14	-	-	-	-
4.50 - 4.99	-	1	7	-	-	-	-	1	-	-	-	1
5.00 - 5.49	-	5	4	-	-	-	-	8	-	-	-	3
5.50 - 5.99	-	13	39	-	-	-	-	9	-	-	-	13
6.00 - 6.49	-	36	93	-	-	-	-	4	-	-	-	7
6.50 - 6.99	-	8	18	-	-	-	-	5	-	-	-	1
7.00 - 7.49	2	1	-	-	1	-	-	1	1	-	-	4
7.50 - 7.99	11	7	7	-	-	-	-	-	1	-	-	-
8.00 - 8.49	51	25	3	-	-	-	-	-	-	-	-	-
8.50 - 8.99	127	16	3	-	-	-	-	-	2	-	1	-
9.00 - 9.49	115	5	-	-	-	-	-	-	-	-	1	-
9.50 - 9.99	14	6	-	-	-	-	-	-	-	-	-	-
10.00 - 10.49	-	1	-	-	-	-	-	-	-	-	-	-
10.50 - 10.99	-	-	-	-	1	-	-	-	-	-	-	-
11.00 - 11.49	-	-	-	-	-	-	-	-	-	-	-	-
11.50 - 11.99	2	-	-	-	2	-	-	-	-	-	-	-
12.00 - 12.99	-	-	-	-	1	-	-	-	-	-	-	-
13.00 - 13.99	-	-	-	-	-	1	-	-	-	-	-	-
14.00 - 14.99	-	-	-	-	-	-	-	-	1	-	-	-
15.00 - 15.99	-	-	-	-	3	-	-	-	1	-	-	-
16.00 - 16.99	-	-	-	-	4	-	-	-	-	-	-	-
17.00 - 17.99	-	-	-	-	1	-	-	-	-	-	-	-
18.00 - 18.99	-	-	-	1	1	-	-	-	-	1	-	-
19.00 - 19.99	-	-	-	-	1	-	-	-	-	-	-	-
20.00 - 20.99	-	-	-	-	-	-	1	-	-	-	-	-
21.00 - 21.99	-	-	-	-	-	-	-	-	-	-	-	-
22.00 - 22.99	-	-	-	-	-	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	-	-	-	-	-	-	-	-	-
24.00 - 24.99	-	-	-	-	1	-	1	-	-	-	-	-
25.00 - 25.99	-	-	-	-	-	-	-	-	-	-	-	-
26.00 - 26.99	-	-	-	-	-	-	1	-	-	-	-	-
27.00 - 27.99	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	1	-	-	-	-	-
34.00 - 34.99	-	-	-	-	-	-	-	-	-	-	-	-
35.00 - 35.99	-	-	-	-	-	-	-	-	-	-	-	-
= > 36.00	-	-	-	-	-	-	-	-	-	-	-	-
	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>CCF</u>	<u>LMB</u>	<u>NOP</u>	<u>PMK</u>	<u>WAE</u>	<u>WTS</u>	<u>YEB</u>	<u>YEP</u>
Total	322	124	180	1	16	1	5	43	6	1	2	29
Min. Length	7.05	4.96	3.82	18.82	7.20	13.54	20.83	3.94	7.28	18.43	8.94	4.72
Max. Length	11.65	10.04	8.82	18.82	24.37	13.54	33.46	7.05	15.91	18.43	9.06	7.40
Mean Length	8.96	7.23	6.11	18.82	15.44	13.54	27.11	5.28	10.46	18.43	9.00	5.99
# Measured	128	115	141	1	16	1	5	43	6	1	2	29
No Lengths for	204	11	39	1	0	0	0	0	0	0	0	13

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 EF

Standard electrofishing

(Field work conducted on 05/31/2012)

	<u>LMB</u>
< 3.00	-
3.00 - 3.49	-
3.50 - 3.99	-
4.00 - 4.49	-
4.50 - 4.99	-
5.00 - 5.49	-
5.50 - 5.99	-
6.00 - 6.49	-
6.50 - 6.99	-
7.00 - 7.49	-
7.50 - 7.99	-
8.00 - 8.49	-
8.50 - 8.99	-
9.00 - 9.49	-
9.50 - 9.99	-
10.00 - 10.49	-
10.50 - 10.99	-
11.00 - 11.49	-
11.50 - 11.99	-
12.00 - 12.99	2
13.00 - 13.99	-
14.00 - 14.99	-
15.00 - 15.99	-
16.00 - 16.99	2
17.00 - 17.99	-
18.00 - 18.99	-
19.00 - 19.99	1
20.00 - 20.99	-
21.00 - 21.99	-
22.00 - 22.99	-
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	-

	<u>LMB</u>
Total	5
Min. Length	12.83
Max. Length	19.69
Mean Length	15.74
# Measured	5
No Lengths for	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	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 Standard Lake Survey Report contains preliminary data (as of 07/26/2012), 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.

Standard Lake Survey Report revision: 04/05/2011-RJE. Data Date: 07/26/2012 at 10:32 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: Cottonwood

Survey Type: Population Assessment

DOW Number: 17-0022-00

Survey ID Date: 07/23/2012

Beach Seine (1/8 inch 50 foot), Backpack Electrofishing

Survey Status: Active

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 07/26/2012 may not be reflected in the Distribution tables until after 12:30 pm on 07/26/2012.

The following survey component was flagged to be specifically excluded from this report: TN - 3