



Minnesota Department of Natural Resources  
 Fisheries Management  
 STANDARD LAKE SURVEY REPORT



Lake Name: West Jefferson

Survey Type: Population Assessment

DOW Number: 40-0092-02

Survey ID Date: 07/29/2008

**Lake Identification**

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

DNR Sounding Map Number: B0200  
 Alternate Lake Class ID: 24

**Lake Location**

Primary County: Le Sueur

Nearest Town: Marysburg

**Legal Descriptions**

Lake Center: Township - 109N Range - 25W Section - 4  
 PLS Section Lake Center: 10902504

**All Legal Descriptions:**

Le Sueur County: Township - 109N Range - 25W Sections - 3, 4, 9

**Area Office**

Area Name: Waterville  
 Region Name: Southern

ORG Code: F417  
 Region Number: 4

**Lake Access**

(Information based on Re-Survey dated 08/08/1997)

Station ID	Ownership	Public Use	Type	Location / Comments
AC - 1	DNR	Open to Public use	Concrete	NORTHEAST SHORE.

**Lake Characteristics**

Lake Area (planimetered acres): 441.00	GIS Shoreline Length (miles): 7.95
GIS Lake Area (acres): 438.80	Maximum Fetch (miles): 3.10
DOW Lake Area (acres): 0.00	Fetch Orientation (degrees): 292
Littoral Area (acres): 348.00	USGS Quad Map Number: U14d
Area in MN (acres): 438.80	USGS Quad 24K GIS Index: 4128
Maximum Depth (feet): 24.0	
Mean Depth (feet): N/A	

**Watershed Characteristics**

**Major Watershed**

Name: Cannon River  
 Watershed Number: 39  
 Watershed size (acres): 941,122

**Minor Watershed**

Name: Lake Jefferson  
 Watershed Number: 107  
 Watershed size (acres): 10,526

**Surveys And Investigations**

**Re-Survey:** 07/29/2002, 08/08/1997, 07/30/1992, 07/27/1983, 07/11/1955.  
**Population Assessment:** 07/29/2008, 07/23/1986.

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POPULATION ASSESSMENT DATED 07/29/2008 FOR DOW NUMBER 40-0092-02

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**Surveys And Investigations (Continued)**

Special Assessment: 07/11/1994.

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**STANDARD LAKE SURVEY REPORT**  
**POPULATION ASSESSMENT DATED 07/29/2008 FOR DOW NUMBER 40-0092-02**

**Net Catch Summary by Numbers for GN**

Standard gill net sets

Number of Sets: 6  
 First Set Date: 07/21/2008  
 Last Lift Date: 07/24/2008  
 Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 24*		
				25%	50%	75%
BIB	Bigmouth Buffalo	2	0.33	0.25	0.55	1.69
BLB	Black Bullhead	623	103.83	2.50	10.46	44.95
BLC	Black Crappie	133	22.17	2.50	6.91	16.50
BLG	Bluegill	53	8.83	N/A	N/A	N/A
CAP	Common Carp	12	2.00	0.33	1.00	3.00
FRD	Freshwater Drum	11	1.83	4.00	11.75	32.25
GOS	Golden Shiner	20	3.33	0.25	0.50	1.54
HSF	Hybrid Sunfish	1	0.17	N/A	N/A	N/A
LMB	Largemouth Bass	3	0.50	0.25	0.50	0.83
NOP	Northern Pike	9	1.50	1.50	3.75	7.29
WAE	Walleye	11	1.83	1.17	2.82	6.33
WTS	White Sucker	1	0.17	0.40	1.00	2.17
YEB	Yellow Bullhead	3	0.50	0.50	2.00	7.51
YEP	Yellow Perch	57	9.50	2.00	10.50	27.94
Total Fish/Set:			156.50	* 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	8.70	1.45	4.35	N/A	N/A	N/A
BLB	Black Bullhead	182.63	30.44	0.29	0.29	0.44	0.66
BLC	Black Crappie	29.16	4.86	0.22	0.15	0.20	0.26
BLG	Bluegill	9.45	1.58	0.18	N/A	N/A	N/A
CAP	Common Carp	50.26	8.38	4.19	1.87	3.41	5.24
FRD	Freshwater Drum	8.99	1.50	0.82	0.25	0.50	1.13
GOS	Golden Shiner	2.29	0.38	0.11	0.10	0.10	0.13
HSF	Hybrid Sunfish	0.00	0.00	0.00	N/A	N/A	N/A
LMB	Largemouth Bass	5.62	0.94	1.87	0.40	0.60	1.00
NOP	Northern Pike	36.38	6.06	4.04	2.02	2.68	3.50
WAE	Walleye	42.71	7.12	3.88	1.20	1.81	2.69
WTS	White Sucker	1.76	0.29	1.76	1.55	2.00	2.38
YEB	Yellow Bullhead	2.71	0.45	0.90	0.46	0.61	0.82
YEP	Yellow Perch	9.02	1.50	0.16	0.10	0.13	0.18
Total Pounds Fish/Set:			64.95	* Quartiles for Mean Weight			

**STANDARD LAKE SURVEY REPORT**  
**POPULATION ASSESSMENT DATED 07/29/2008 FOR DOW NUMBER 40-0092-02**

**Net Catch Summary by Numbers for TN**

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

Number of Sets: 9  
 First Set Date: 07/21/2008  
 Last Lift Date: 07/24/2008  
 Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 24*		
				25%	50%	75%
BIB	Bigmouth Buffalo	3	0.33	0.20	0.25	0.75
BLB	Black Bullhead	79	8.78	0.71	3.75	25.65
BLC	Black Crappie	180	20.00	1.83	6.50	21.16
BLG	Bluegill	803	89.22	7.54	23.13	62.50
BOF	Bowfin (Dogfish)	2	0.22	0.38	0.75	1.29
CAP	Common Carp	14	1.56	0.38	0.74	2.00
FRD	Freshwater Drum	8	0.89	0.50	1.17	4.19
GOS	Golden Shiner	5	0.56	0.17	0.30	0.83
HSF	Hybrid Sunfish	3	0.33	N/A	N/A	N/A
LMB	Largemouth Bass	5	0.56	0.20	0.33	0.67
NOP	Northern Pike	2	0.22	N/A	N/A	N/A
PMK	Pumpkinseed	8	0.89	0.74	2.00	4.24
WHB	White Bass	2	0.22	0.23	0.33	0.88
WHC	White Crappie	1	0.11	0.50	1.50	6.55
YEB	Yellow Bullhead	5	0.56	0.88	2.15	5.68
YEP	Yellow Perch	3	0.33	0.25	0.60	1.67
		Total Fish/Set:	124.78	* 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	19.75	2.19	6.58	2.50	4.13	5.65
BLB	Black Bullhead	29.95	3.33	0.38	0.28	0.43	0.62
BLC	Black Crappie	54.75	6.08	0.30	0.18	0.24	0.33
BLG	Bluegill	162.50	18.06	0.20	0.13	0.18	0.25
BOF	Bowfin (Dogfish)	11.98	1.33	5.99	2.28	3.33	4.10
CAP	Common Carp	41.65	4.63	2.98	2.58	4.07	6.02
FRD	Freshwater Drum	10.94	1.22	1.37	0.43	0.79	1.21
GOS	Golden Shiner	0.52	0.06	0.10	0.07	0.10	0.13
HSF	Hybrid Sunfish	0.69	0.08	0.23	N/A	N/A	N/A
LMB	Largemouth Bass	14.54	1.62	2.91	0.15	0.31	0.91
NOP	Northern Pike	15.21	1.69	7.61	N/A	N/A	N/A
PMK	Pumpkinseed	1.48	0.16	0.19	0.10	0.13	0.18
WHB	White Bass	2.12	0.24	1.06	0.49	1.04	1.49
WHC	White Crappie	0.73	0.08	0.73	0.23	0.30	0.40
YEB	Yellow Bullhead	3.34	0.37	0.67	0.50	0.67	0.84
YEP	Yellow Perch	0.67	0.07	0.22	0.10	0.13	0.20
		Total Pounds Fish/Set:	41.20	* Quartiles for Mean Weight			

**STANDARD LAKE SURVEY REPORT**  
**POPULATION ASSESSMENT DATED 07/29/2008 FOR DOW NUMBER 40-0092-02**

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**Electrofishing Catch Summary for EF**

**Standard electrofishing**

**Total run-time for all stations:** N/A  
**Total on-time for all stations:** 01:00:00  
**First Sampling Date:** 05/22/2008  
**Last Sampling Date:** 05/22/2008  
**Daylight Sampling:** No  
**Target Species:** All adults 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	68	N/A	68.00	69.42	N/A	69.42	1.02

**STANDARD LAKE SURVEY REPORT**  
**POPULATION ASSESSMENT DATED 07/29/2008 FOR DOW NUMBER 40-0092-02**

**Length Frequency Distribution For GN**

**Standard gill net sets**

(Field work conducted between 07/21/2008 and 07/24/2008)

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>CAP</u>	<u>FRD</u>	<u>GOS</u>	<u>LMB</u>	<u>NOP</u>	<u>WAE</u>	<u>WTS</u>	<u>YEB</u>	<u>YEP</u>
< 3.00	-	-	-	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	-	-	-	-	-	-	-	-	-	-
4.00 - 4.49	-	-	-	1	-	-	-	-	-	-	-	-	-
4.50 - 4.99	-	-	6	1	-	-	-	-	-	-	-	-	1
5.00 - 5.49	-	-	10	5	-	-	1	-	-	-	-	-	-
5.50 - 5.99	-	-	12	9	-	-	1	-	-	-	-	-	7
6.00 - 6.49	-	4	-	20	-	-	2	-	-	-	-	-	11
6.50 - 6.99	-	2	6	15	-	-	10	-	-	-	-	-	9
7.00 - 7.49	-	116	18	2	-	-	4	-	-	-	-	-	12
7.50 - 7.99	-	231	41	-	-	-	1	-	-	-	-	-	9
8.00 - 8.49	-	111	32	-	-	-	-	-	-	-	-	-	8
8.50 - 8.99	-	56	7	-	-	1	-	-	-	-	-	-	-
9.00 - 9.49	-	77	-	-	-	-	-	-	-	-	-	-	-
9.50 - 9.99	-	22	-	-	-	-	-	-	-	-	-	-	-
10.00 - 10.49	-	3	-	-	-	-	-	-	-	-	-	-	-
10.50 - 10.99	-	-	-	-	-	-	-	-	-	-	-	1	-
11.00 - 11.49	-	1	-	-	-	-	-	-	-	-	-	1	-
11.50 - 11.99	-	-	-	-	-	3	-	-	-	-	-	-	-
12.00 - 12.99	-	-	-	-	2	5	-	-	-	-	-	-	-
13.00 - 13.99	-	-	-	-	-	-	-	-	-	-	-	1	-
14.00 - 14.99	-	-	-	-	-	1	-	2	-	-	-	-	-
15.00 - 15.99	-	-	-	-	-	1	-	1	-	-	-	-	-
16.00 - 16.99	1	-	-	-	-	-	-	-	-	-	1	-	-
17.00 - 17.99	-	-	-	-	2	-	-	-	-	-	-	-	-
18.00 - 18.99	-	-	-	-	1	-	-	-	-	1	-	-	-
19.00 - 19.99	-	-	-	-	-	-	-	-	-	5	-	-	-
20.00 - 20.99	-	-	-	-	3	-	-	-	-	1	-	-	-
21.00 - 21.99	1	-	-	-	-	-	-	-	1	-	-	-	-
22.00 - 22.99	-	-	-	-	-	-	-	-	-	1	-	-	-
23.00 - 23.99	-	-	-	-	1	-	-	-	1	2	-	-	-
24.00 - 24.99	-	-	-	-	1	-	-	-	1	-	-	-	-
25.00 - 25.99	-	-	-	-	1	-	-	-	2	1	-	-	-
26.00 - 26.99	-	-	-	-	1	-	-	-	1	-	-	-	-
27.00 - 27.99	-	-	-	-	-	-	-	-	1	-	-	-	-
28.00 - 28.99	-	-	-	-	-	-	-	-	1	-	-	-	-
29.00 - 29.99	-	-	-	-	-	-	-	-	-	-	-	-	-
30.00 - 30.99	-	-	-	-	-	-	-	-	-	-	-	-	-
31.00 - 31.99	-	-	-	-	-	-	-	-	-	-	-	-	-
32.00 - 32.99	-	-	-	-	-	-	-	-	1	-	-	-	-
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>FRD</u>	<u>GOS</u>	<u>LMB</u>	<u>NOP</u>	<u>WAE</u>	<u>WTS</u>	<u>YEB</u>	<u>YEP</u>
Total	2	623	132	53	12	11	19	3	9	11	1	3	57
Min. Length	16.97	6.06	4.61	4.45	12.28	8.86	5.20	14.45	21.93	18.39	16.14	10.71	4.61
Max. Length	21.54	11.34	8.98	7.36	26.30	15.24	7.56	15.16	32.72	25.59	16.14	13.27	8.43
Mean Length	19.25	8.17	7.30	6.17	19.87	12.28	6.71	14.78	26.30	21.07	16.14	11.69	7.00
# Measured	2	305	129	49	12	11	18	3	9	11	1	3	53
No Lengths for	0	318	4	4	0	0	2	0	0	0	0	0	4

**STANDARD LAKE SURVEY REPORT**  
**POPULATION ASSESSMENT DATED 07/29/2008 FOR DOW NUMBER 40-0092-02**

**Length Frequency Distribution For TN**

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

(Field work conducted between 07/21/2008 and 07/24/2008)

	<u>BIB</u>	<u>BLB</u>	<u>BLC</u>	<u>BLG</u>	<u>BOF</u>	<u>CAP</u>	<u>FRD</u>	<u>GOS</u>	<u>HSF</u>	<u>LMB</u>	<u>NOP</u>	<u>PMK</u>	<u>WHB</u>	<u>WHC</u>	<u>YEB</u>
< 3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	-	4	-	-	-	-	-	-	-	1	-	-	-
4.00 - 4.49	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
4.50 - 4.99	-	-	-	43	-	-	-	-	-	-	-	-	-	-	-
5.00 - 5.49	-	-	4	19	-	-	-	-	-	-	-	-	-	-	-
5.50 - 5.99	-	-	-	118	-	-	-	-	2	-	-	1	-	-	-
6.00 - 6.49	-	-	1	274	-	-	-	2	-	-	-	4	-	-	-
6.50 - 6.99	-	-	1	190	-	-	-	2	-	-	-	1	-	-	-
7.00 - 7.49	-	-	15	82	-	-	-	1	-	-	-	1	-	-	-
7.50 - 7.99	-	8	55	67	-	-	-	-	1	-	-	-	-	-	-
8.00 - 8.49	-	20	60	2	-	-	-	-	-	-	-	-	-	-	-
8.50 - 8.99	-	21	28	-	-	-	-	-	-	-	-	-	-	-	1
9.00 - 9.49	-	18	7	-	-	-	-	-	-	1	-	-	-	-	-
9.50 - 9.99	-	10	6	-	-	-	-	-	-	-	-	-	-	-	-
10.00 - 10.49	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
10.50 - 10.99	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
11.00 - 11.49	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
11.50 - 11.99	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
12.00 - 12.99	-	1	2	-	-	4	3	-	-	-	-	-	-	-	-
13.00 - 13.99	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-
14.00 - 14.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15.00 - 15.99	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
16.00 - 16.99	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-
17.00 - 17.99	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-
18.00 - 18.99	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-
19.00 - 19.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20.00 - 20.99	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
21.00 - 21.99	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
22.00 - 22.99	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31.00 - 31.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.00 - 32.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33.00 - 33.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34.00 - 34.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35.00 - 35.99	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
= > 36.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>3</b>	<b>79</b>	<b>180</b>	<b>802</b>	<b>2</b>	<b>14</b>	<b>8</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>8</b>	<b>2</b>	<b>1</b>	<b>5</b>
Min. Length	20.79	7.56	5.12	3.62	22.91	10.91	12.68	6.10	5.67	9.06	29.72	3.62	11.34	11.42	8.74
Max. Length	25.00	12.28	12.20	8.19	28.62	24.92	17.13	7.01	7.56	18.70	35.20	7.01	13.94	11.42	11.50
Mean Length	22.24	8.80	8.13	6.50	25.77	17.33	14.48	6.51	6.34	15.91	32.46	6.02	12.64	11.42	10.61
# Measured	3	79	143	191	2	14	8	5	3	5	2	8	2	1	5
No Lengths for	0	0	37	612	0	0	0	0	0	0	0	0	0	0	0

**STANDARD LAKE SURVEY REPORT**  
**POPULATION ASSESSMENT DATED 07/29/2008 FOR DOW NUMBER 40-0092-02**

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**Length Frequency Distribution For TN (Continued)**

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

(Field work conducted between 07/21/2008 and 07/24/2008)

	<u>YEP</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	1
7.50 - 7.99	1
8.00 - 8.49	1
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	-
13.00 - 13.99	-
14.00 - 14.99	-
15.00 - 15.99	-
16.00 - 16.99	-
17.00 - 17.99	-
18.00 - 18.99	-
19.00 - 19.99	-
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>YEP</u>
Total	3
Min. Length	7.32
Max. Length	8.43
Mean Length	7.85
# Measured	3
No Lengths for	0

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**STANDARD LAKE SURVEY REPORT**  
**POPULATION ASSESSMENT DATED 07/29/2008 FOR DOW NUMBER 40-0092-02**

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**Length Frequency Distribution For EF**

**Standard electrofishing**

(Field work conducted on 05/22/2008)

	<u>LMB</u>
< 3.00	-
3.00 - 3.49	-
3.50 - 3.99	-
4.00 - 4.49	-
4.50 - 4.99	1
5.00 - 5.49	-
5.50 - 5.99	2
6.00 - 6.49	1
6.50 - 6.99	-
7.00 - 7.49	2
7.50 - 7.99	1
8.00 - 8.49	3
8.50 - 8.99	2
9.00 - 9.49	2
9.50 - 9.99	9
10.00 - 10.49	8
10.50 - 10.99	9
11.00 - 11.49	3
11.50 - 11.99	2
12.00 - 12.99	3
13.00 - 13.99	8
14.00 - 14.99	3
15.00 - 15.99	2
16.00 - 16.99	2
17.00 - 17.99	-
18.00 - 18.99	3
19.00 - 19.99	2
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	-

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	<u>LMB</u>
Total	68
Min. Length	4.69
Max. Length	19.84
Mean Length	11.43
# Measured	68
No Lengths for	0

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**STANDARD LAKE SURVEY REPORT**  
**POPULATION ASSESSMENT DATED 07/29/2008 FOR DOW NUMBER 40-0092-02**

**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	'08 0	'07 1	'06 2	'05 3	'04 4	'03 5	'02 6	'01 7	'00 8	'99 9	'98 10	'97 11	'96 12	'95 13	'94 14	<'94 15+
<b>Black Crappie</b>																			
GN	38	95	0	0	22	12	80	19	0	0	0	0	0	0	0	0	0	0	0
TN	13	31	136	0	0	1	21	20	2	0	0	0	0	0	0	0	0	0	0
<b>Totals:</b>	<b>51</b>	<b>126</b>	<b>136</b>	<b>0</b>	<b>22</b>	<b>13</b>	<b>101</b>	<b>39</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Bluegill</b>																			
GN	9	41	3	0	1	5	44	0	0	0	0	0	0	0	0	0	0	0	0
TN	32	771	0	0	51	59	584	70	29	10	0	0	0	0	0	0	0	0	0
<b>Totals:</b>	<b>41</b>	<b>812</b>	<b>3</b>	<b>0</b>	<b>52</b>	<b>64</b>	<b>628</b>	<b>70</b>	<b>29</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Largemouth Bass</b>																			
EF	58	10	0	0	0	3	10	29	7	7	2	2	3	4	1	0	0	0	0
GN	3	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
TN	5	0	0	0	0	1	0	0	2	2	0	0	0	0	0	0	0	0	0
<b>Totals:</b>	<b>66</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>10</b>	<b>30</b>	<b>11</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Northern Pike</b>																			
GN	9	0	0	0	0	0	6	1	0	1	1	0	0	0	0	0	0	0	0
TN	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<b>Totals:</b>	<b>10</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Pumpkinseed</b>																			
TN	8	0	0	0	1	1	4	2	0	0	0	0	0	0	0	0	0	0	0
<b>Walleye</b>																			
GN	5	1	5	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0
<b>White Bass</b>																			
TN	2	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
<b>White Crappie</b>																			
TN	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<b>Yellow Perch</b>																			
GN	20	29	8	0	0	11	23	13	2	0	0	0	0	0	0	0	0	0	0

**(1) Key to sampling gear abbreviations:**

GN = Standard gill net sets  
 TN = Standard 3/4-in mesh, double frame trap net sets  
 EF = Standard electrofishing

**(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	Number	Length (inches)	Number	Weight (pounds)
		Num	Measured	Min - Mean - Max	Weighed	Min - Mean - Max
TN	Painted Turtle	11	0	N/A	0	N/A
	Snapping Turtle	11	0	N/A	0	N/A
	Spiney Softshell Turtle	5	1	9.84	0	N/A

**STANDARD LAKE SURVEY REPORT**  
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**(2) Gender:** If identified and reported.

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**STANDARD LAKE SURVEY REPORT**  
**POPULATION ASSESSMENT DATED 07/29/2008 FOR DOW NUMBER 40-0092-02**

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## Discussion

West Jefferson Lake is a 441 acre lake in LeSueur county located northwest of Elysian. A DNR owned public access is located in the northeast corner of the lake off LeSueur county road 15.

West Jefferson was surveyed the week of July 28th, 2008 to monitor the fish community. Black bullheads were prolific, measuring 104 fish per gill net lift. Bullhead numbers have diminished since the 2002 survey, when 149 fish per net was observed. Black crappie abundance was in the upper quartile, at 22.2 fish per gill net. Black crappie trap netted nearly identically at 20 fish per trap net. Gill net and trap net catches are up from 2002 levels of 15.7 and 6.8 respectively.

Northern pike abundance was low in test netting, having dropped from near record highs of 15 fish per net in 2002. Pike were gill netted at a rate of 1.5 fish per net and 0.2 fish per trap net. Pike sampled ranged from 22 to 35 inches. Walleye were caught at a rate of 1.8 fish per gill net. Most fish were 19 inches. Walleye catch has been stable since the 2002 survey that found an average of less than one walleye per gill net.

Bluegills were gill netted at a rate of 8.8 fish per net, and trap netted at a rate of 89.2 fish per net. Bluegill length ranged from 4 to 8 inches, with an average (mean) of 6.5 inches. The bluegill catch in 2002 was 30 fish per trap net. Other fish surveyed include bigmouth buffalo, bowfin (dogfish), common carp, freshwater drum (sheephead), golden shiner, hybrid sunfish, white sucker, and yellow bullhead.

Largemouth bass were sampled in mid-May using a Smith Root electrofishing boat. A catch per unit effort of 68 fish per hour of on time was recorded. Bass ranged from 5 to 20 inches. An excellent assortment of ages and sizes exist in West Jefferson lake. A number of bass angling tournaments select the Jefferson chain of lakes as a host site.

Anglers can help maintain or improve the quality of fishing by practicing selective harvest. Selective harvest allows for the harvest of smaller fish for table fare, but encourages release of medium- to large-sized fish. Releasing these fish can help maintain balance in the fish community in West Jefferson Lake and provide anglers the opportunity to catch more and larger fish in the future.

Shoreline areas on the land and into the shallow water provide essential habitat for fish and wildlife that live in or near Minnesota's lakes. Overdeveloped shorelines cannot support the fish, wildlife, and clean water that are associated with natural undeveloped lakes.

Shoreline habitat consists of aquatic plants, woody plants, and natural lake bottom soils. Plants in the water and at the water's edge provide habitat, prevent erosion, and absorb excess nutrients. Shrubs, trees, and woody debris such as fallen trees or limbs provide good habitat both above and below the water and should be left in place. By leaving a buffer strip of natural vegetation along the shoreline, property owners can reduce erosion, help maintain water quality, and provide habitat and travel corridors for wildlife.

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**STANDARD LAKE SURVEY REPORT**  
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### **Status Of The Fishery**

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POPULATION ASSESSMENT DATED 07/29/2008 FOR DOW NUMBER 40-0092-02

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Approval Dates And Notices

*H. Vaiano*

Date Approved By Waterville Area Fisheries Supervisor: 06/05/2009

Date Approved By Southern Region Fisheries Manager: 6/9/09 JF (JF)



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