

STANDARD LAKE SURVEY REPORT
POPULATION ASSESSMENT DATED 08/04/2008 FOR DOW NUMBER 40-0092-01

Surveys And Investigations (Continued)

Re-Survey: 08/01/2002, 07/31/1997, 07/21/1992, 08/18/1987, 08/11/1982, 08/05/1974,
07/11/1955.
Population Assessment: 08/04/2008, 08/06/1985.
Special Assessment: 08/24/2007, 06/27/1994.

Fish Diseases And Parasites

Species Examined	Number of Fish Examined			Examination Results	
	Internally	Externally	In Lab	Condition Observed	Number of Fish
yellow perch	-	-	-	Neascus (Black Spot)	1

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	08/04/2008	N/A	Surface	78.3	6.8
			1.0	78.3	7.0
			2.0	78.3	7.0
			4.0	78.3	6.8
			6.0	78.3	6.8
			8.0	78.3	6.8
			10.0	78.3	6.8
			12.0	78.1	6.6
			14.0	77.9	6.6
			16.0	77.9	6.4
			18.0	77.9	6.1
			20.0	77.0	1.5
			22.0	76.6	0.6

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	08/04/2008	Surface	N/A	N/A	N/A	N/A	N/A

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POPULATION ASSESSMENT DATED 08/04/2008 FOR DOW NUMBER 40-0092-01

Net Catch Summary by Numbers for GN

Standard gill net sets

Number of Sets: 7
 First Set Date: 08/04/2008
 Last Lift Date: 08/08/2008
 Target Species: N/A

Abbr	Species	Total Fish	Number Per Set	Quartiles for Lake Class 24*		
				25%	50%	75%
BLB	Black Bullhead	519	74.14	2.50	10.46	44.95
BLC	Black Crappie	20	2.86	2.50	6.91	16.50
BLG	Bluegill	262	37.43	N/A	N/A	N/A
BOF	Bowfin (Dogfish)	1	0.14	0.20	0.50	0.80
CAP	Common Carp	16	2.29	0.33	1.00	3.00
FRD	Freshwater Drum	85	12.14	4.00	11.75	32.25
GOS	Golden Shiner	1	0.14	0.25	0.50	1.54
HSF	Hybrid Sunfish	1	0.14	N/A	N/A	N/A
LMB	Largemouth Bass	4	0.57	0.25	0.50	0.83
NOP	Northern Pike	3	0.43	1.50	3.75	7.29
PMK	Pumpkinseed	2	0.29	N/A	N/A	N/A
WAE	Walleye	13	1.86	1.17	2.82	6.33
WHB	White Bass	8	1.14	0.27	0.83	3.83
WHC	White Crappie	1	0.14	0.67	2.65	10.38
WTS	White Sucker	3	0.43	0.40	1.00	2.17
YEB	Yellow Bullhead	3	0.43	0.50	2.00	7.51
YEP	Yellow Perch	218	31.14	2.00	10.50	27.94
		Total Fish/Set:	165.71	* 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%
BLB	Black Bullhead	281.62	40.23	0.54	0.29	0.44	0.66
BLC	Black Crappie	4.07	0.58	0.20	0.15	0.20	0.26
BLG	Bluegill	53.39	7.63	0.20	N/A	N/A	N/A
BOF	Bowfin (Dogfish)	7.38	1.05	7.38	2.44	3.25	4.21
CAP	Common Carp	51.78	7.40	3.24	1.87	3.41	5.24
FRD	Freshwater Drum	99.39	14.20	1.17	0.25	0.50	1.13
GOS	Golden Shiner	0.06	0.01	0.06	0.10	0.10	0.13
HSF	Hybrid Sunfish	0.20	0.03	0.20	N/A	N/A	N/A
LMB	Largemouth Bass	2.29	0.33	0.57	0.40	0.60	1.00
NOP	Northern Pike	13.17	1.88	4.39	2.02	2.68	3.50
PMK	Pumpkinseed	0.15	0.02	0.07	N/A	N/A	N/A
WAE	Walleye	40.46	5.78	3.11	1.20	1.81	2.69
WHB	White Bass	11.27	1.61	1.41	N/A	N/A	N/A
WHC	White Crappie	0.49	0.07	0.49	0.17	0.24	0.33
WTS	White Sucker	6.77	0.97	2.26	1.55	2.00	2.38
YEB	Yellow Bullhead	3.19	0.46	1.06	0.46	0.61	0.82
YEP	Yellow Perch	32.73	4.68	0.15	0.10	0.13	0.18
		Total Pounds Fish/Set:	86.92	* Quartiles for Mean Weight			

STANDARD LAKE SURVEY REPORT
POPULATION ASSESSMENT DATED 08/04/2008 FOR DOW NUMBER 40-0092-01

Net Catch Summary by Numbers for TN

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

Number of Sets: 12
 First Set Date: 08/04/2008
 Last Lift Date: 08/08/2008
 Target Species: N/A

Quartiles for Lake Class 24*

Abbr	Species	Total Fish	Number Per Set	25%	50%	75%
BLB	Black Bullhead	263	21.92	0.71	3.75	25.65
BLC	Black Crappie	74	6.17	1.83	6.50	21.16
BLG	Bluegill	187	15.58	7.54	23.13	62.50
BOF	Bowfin (Dogfish)	14	1.17	0.38	0.75	1.29
CAP	Common Carp	16	1.33	0.38	0.74	2.00
FRD	Freshwater Drum	24	2.00	0.50	1.17	4.19
GOS	Golden Shiner	1	0.08	0.17	0.30	0.83
HSF	Hybrid Sunfish	10	0.83	N/A	N/A	N/A
NOP	Northern Pike	2	0.17	N/A	N/A	N/A
PMK	Pumpkinseed	2	0.17	0.74	2.00	4.24
YEB	Yellow Bullhead	14	1.17	0.88	2.15	5.68
YEP	Yellow Perch	12	1.00	0.25	0.60	1.67
Total Fish/Set:			51.58	* 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%
BLB	Black Bullhead	143.31	11.94	0.54	0.28	0.43	0.62
BLC	Black Crappie	25.02	2.09	0.34	0.18	0.24	0.33
BLG	Bluegill	28.24	2.35	0.15	0.13	0.18	0.25
BOF	Bowfin (Dogfish)	77.10	6.42	5.51	2.28	3.33	4.10
CAP	Common Carp	72.58	6.05	4.54	2.58	4.07	6.02
FRD	Freshwater Drum	43.69	3.64	1.82	0.43	0.79	1.21
GOS	Golden Shiner	0.10	0.01	0.10	0.07	0.10	0.13
HSF	Hybrid Sunfish	0.67	0.06	0.07	N/A	N/A	N/A
NOP	Northern Pike	8.14	0.68	4.07	N/A	N/A	N/A
PMK	Pumpkinseed	0.06	0.01	0.03	0.10	0.13	0.18
YEB	Yellow Bullhead	13.88	1.16	0.99	0.50	0.67	0.84
YEP	Yellow Perch	1.20	0.10	0.10	0.10	0.13	0.20
Total Pounds Fish/Set:			34.50	* Quartiles for Mean Weight			

STANDARD LAKE SURVEY REPORT
POPULATION ASSESSMENT DATED 08/04/2008 FOR DOW NUMBER 40-0092-01

Length Frequency Distribution For GN

Standard gill net sets

(Field work conducted between 08/04/2008 and 08/08/2008)

	<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>WAE</u>	<u>WHB</u>	<u>WHC</u>	<u>WTS</u>
< 3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.50 - 3.99	-	-	12	-	-	-	-	-	-	-	1	-	-	-	-
4.00 - 4.49	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-
4.50 - 4.99	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-
5.00 - 5.49	-	2	39	-	-	-	-	-	-	-	1	-	-	-	-
5.50 - 5.99	-	6	20	-	-	-	1	-	-	-	-	-	-	-	-
6.00 - 6.49	-	2	40	-	-	-	-	1	-	-	-	-	-	-	-
6.50 - 6.99	-	1	58	-	-	-	-	-	-	-	-	-	-	-	-
7.00 - 7.49	-	1	55	-	-	-	-	-	-	-	-	-	-	-	-
7.50 - 7.99	-	1	21	-	-	-	-	-	2	-	-	-	-	-	-
8.00 - 8.49	-	4	1	-	-	2	-	-	-	-	-	-	-	-	-
8.50 - 8.99	14	1	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00 - 9.49	68	2	-	-	-	-	-	-	-	-	-	-	-	-	-
9.50 - 9.99	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.00 - 10.49	209	-	-	-	-	-	-	-	-	-	-	-	-	1	-
10.50 - 10.99	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.00 - 11.49	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-
11.50 - 11.99	-	-	-	-	-	6	-	-	1	-	-	-	-	-	-
12.00 - 12.99	1	-	-	-	1	31	-	-	1	-	-	-	-	-	-
13.00 - 13.99	-	-	-	-	-	5	-	-	-	-	-	-	3	-	-
14.00 - 14.99	-	-	-	-	2	12	-	-	-	-	-	-	3	-	-
15.00 - 15.99	-	-	-	-	6	16	-	-	-	-	-	-	2	-	-
16.00 - 16.99	-	-	-	-	2	10	-	-	-	-	1	-	-	-	-
17.00 - 17.99	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2
18.00 - 18.99	-	-	-	-	2	-	-	-	-	-	-	2	-	-	1
19.00 - 19.99	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-
20.00 - 20.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.00 - 21.99	-	-	-	-	1	-	-	-	-	-	-	3	-	-	-
22.00 - 22.99	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
23.00 - 23.99	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
24.00 - 24.99	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
25.00 - 25.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.00 - 26.99	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-
27.00 - 27.99	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
28.00 - 28.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.00 - 29.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.00 - 30.99	-	-	-	-	1	-	-	-	-	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>BOF</u>	<u>CAP</u>	<u>FRD</u>	<u>GOS</u>	<u>HSF</u>	<u>LMB</u>	<u>NOP</u>	<u>PMK</u>	<u>WAE</u>	<u>WHB</u>	<u>WHC</u>	<u>WTS</u>
Total	519	20	262	1	16	84	1	1	4	3	2	13	8	1	3
Min. Length	8.50	5.28	3.70	27.99	12.20	8.19	5.51	6.18	7.60	24.09	3.58	16.73	13.31	10.16	17.20
Max. Length	12.28	9.29	8.07	27.99	30.31	17.05	5.51	6.18	12.13	30.91	5.12	23.35	15.24	10.16	18.03
Mean Length	9.93	7.00	6.36	27.99	17.80	13.74	5.51	6.18	9.76	27.22	4.35	20.21	14.36	10.16	17.52
# Measured	342	20	184	1	16	84	1	1	4	3	2	13	8	1	3
No Lengths for	177	0	78	0	0	1	0	0	0	0	0	0	0	0	0

STANDARD LAKE SURVEY REPORT
POPULATION ASSESSMENT DATED 08/04/2008 FOR DOW NUMBER 40-0092-01

Length Frequency Distribution For GN (Continued)

Standard gill net sets

(Field work conducted between 08/04/2008 and 08/08/2008)

	<u>YEB</u>	<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	-	4
5.50 - 5.99	-	37
6.00 - 6.49	-	71
6.50 - 6.99	-	19
7.00 - 7.49	-	17
7.50 - 7.99	-	37
8.00 - 8.49	-	24
8.50 - 8.99	-	9
9.00 - 9.49	-	-
9.50 - 9.99	-	-
10.00 - 10.49	-	-
10.50 - 10.99	-	-
11.00 - 11.49	1	-
11.50 - 11.99	-	-
12.00 - 12.99	1	-
13.00 - 13.99	1	-
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	-	-
<hr/>		
	<u>YEB</u>	<u>YEP</u>
Total	3	218
Min. Length	11.10	5.39
Max. Length	13.31	8.90
Mean Length	12.38	6.85
# Measured	3	167
No Lengths for	0	51

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Length Frequency Distribution For TN

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

(Field work conducted between 08/04/2008 and 08/08/2008)

	<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>NOP</u>	<u>PMK</u>	<u>YEB</u>	<u>YEP</u>
< 3.00	-	-	1	-	-	-	-	-	-	-	-	-
3.00 - 3.49	-	-	20	-	-	-	-	5	-	-	-	-
3.50 - 3.99	-	-	20	-	-	-	-	1	-	2	-	-
4.00 - 4.49	-	-	13	-	-	-	-	2	-	-	-	-
4.50 - 4.99	-	-	17	-	-	-	-	-	-	-	-	1
5.00 - 5.49	-	2	7	-	-	-	-	-	-	-	-	3
5.50 - 5.99	-	1	17	-	-	-	-	-	-	-	-	4
6.00 - 6.49	-	-	34	-	-	-	1	2	-	-	-	2
6.50 - 6.99	-	1	31	-	-	-	-	-	-	-	-	-
7.00 - 7.49	1	3	14	-	-	-	-	-	-	-	-	-
7.50 - 7.99	-	17	12	-	-	-	-	-	-	-	-	1
8.00 - 8.49	-	17	2	-	-	-	-	-	-	-	-	1
8.50 - 8.99	2	14	-	-	-	-	-	-	-	-	-	-
9.00 - 9.49	35	8	-	-	-	-	-	-	-	-	-	-
9.50 - 9.99	95	4	-	-	-	-	-	-	-	-	1	-
10.00 - 10.49	101	1	-	-	-	-	-	-	-	-	1	-
10.50 - 10.99	29	3	-	-	-	-	-	-	-	-	2	-
11.00 - 11.49	-	1	-	-	-	-	-	-	-	-	2	-
11.50 - 11.99	-	-	-	-	-	-	-	-	-	-	-	-
12.00 - 12.99	-	-	-	-	-	-	-	-	-	-	4	-
13.00 - 13.99	-	-	-	-	1	-	-	-	-	-	3	-
14.00 - 14.99	-	-	-	-	-	1	-	-	-	-	1	-
15.00 - 15.99	-	-	-	-	1	12	-	-	-	-	-	-
16.00 - 16.99	-	-	-	-	2	9	-	-	-	-	-	-
17.00 - 17.99	-	-	-	-	3	2	-	-	-	-	-	-
18.00 - 18.99	-	-	-	-	1	-	-	-	-	-	-	-
19.00 - 19.99	-	-	-	-	1	-	-	-	-	-	-	-
20.00 - 20.99	-	-	-	1	1	-	-	-	-	-	-	-
21.00 - 21.99	-	-	-	-	1	-	-	-	1	-	-	-
22.00 - 22.99	-	-	-	2	-	-	-	-	-	-	-	-
23.00 - 23.99	-	-	-	3	1	-	-	-	-	-	-	-
24.00 - 24.99	-	-	-	1	-	-	-	-	-	-	-	-
25.00 - 25.99	-	-	-	1	-	-	-	-	-	-	-	-
26.00 - 26.99	-	-	-	2	2	-	-	-	-	-	-	-
27.00 - 27.99	-	-	-	2	1	-	-	-	-	-	-	-
28.00 - 28.99	-	-	-	1	1	-	-	-	-	-	-	-
29.00 - 29.99	-	-	-	1	-	-	-	-	-	-	-	-
30.00 - 30.99	-	-	-	-	-	-	-	-	-	-	-	-
31.00 - 31.99	-	-	-	-	-	-	-	-	1	-	-	-
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>BOF</u>	<u>CAP</u>	<u>FRD</u>	<u>GOS</u>	<u>HSF</u>	<u>NOP</u>	<u>PMK</u>	<u>YEB</u>	<u>YEP</u>
Total	263	72	188	14	16	24	1	10	2	2	14	12
Min. Length	7.32	5.20	2.99	20.79	13.54	14.69	6.38	3.15	21.46	3.74	9.57	4.96
Max. Length	10.71	11.38	8.19	29.25	28.98	17.32	6.38	6.18	31.81	3.86	14.29	8.23
Mean Length	9.84	8.42	5.51	25.09	20.34	16.04	6.38	4.13	26.63	3.80	12.01	5.95
# Measured	106	68	157	14	16	24	1	10	2	2	14	12
No Lengths for	157	6	30	0	0	0	0	0	0	0	0	0

STANDARD LAKE SURVEY REPORT
POPULATION ASSESSMENT DATED 08/04/2008 FOR DOW NUMBER 40-0092-01

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+
Black Crappie																			
GN	14	2	4	0	5	6	2	1	0	2	0	0	0	0	0	0	0	0	0
TN	17	39	18	0	3	3	36	14	0	0	0	0	0	0	0	0	0	0	0
Totals:	31	41	22	0	8	9	38	15	0	2	0	0	0	0	0	0	0	0	0
Bluegill																			
GN	48	212	2	0	43	47	108	49	10	3	0	0	0	0	0	0	0	0	0
TN	18	72	97	0	71	0	17	0	2	0	0	0	0	0	0	0	0	0	0
Totals:	66	284	99	0	114	47	125	49	12	3	0	0	0	0	0	0	0	0	0
Largemouth Bass																			
GN	4	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0
Northern Pike																			
GN	3	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0
TN	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Totals:	5	0	0	0	0	1	0	2	1	1	0	0	0	0	0	0	0	0	0
Pumpkinseed																			
GN	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TN	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals:	3	0	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Walleye																			
GN	13	0	0	0	0	0	0	3	5	4	1	0	0	0	0	0	0	0	0
White Bass																			
GN	5	3	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
White Crappie																			
GN	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Yellow Perch																			
GN	46	173	0	0	51	98	55	15	0	0	0	0	0	0	0	0	0	0	0
TN	2	2	8	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals:	48	175	8	0	52	101	55	15	0	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

(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	27	14	4.13 - 5.86 - 7.32	0	N/A
	Spiney Softshell Turtle	2	2	7.64 - 7.88 - 8.11	0	N/A

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(2) Gender: If identified and reported.

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Discussion

East Jefferson lake is a 700 acre lake in LeSueur county located northwest of Elysian. East Jefferson is the largest of the Jefferson lakes chain; it is known locally as Big Jefferson. A DNR owned public access is located on the east side of the lake, off LeSueur county road 13.

East Jefferson was surveyed the week of August 4th, 2008 to monitor the fish community. Black bullhead were netted at a rate of 63 per gill net, less than half the value (142/gillnet) observed in 2002.

Yellow perch gill netted at a rate of 30 per net, an decrease from 99 per net during the last survey. Yellow perch ranged in size from 5.4 to 8.9 inches. Walleye abundance remained stable, averaging 2.2 fish per gill net in this and 1.9 in the last survey. Northern pike also remained stable, averaging 0.5 fish per gill net in this and 0.4 in the last survey.

Four largemouth bass were caught in trap and gill nets. Largemouth bass are not well sampled by nets. The Jefferson chain remains a popular largemouth bass destination and location of bass angling tournaments.

Eight white bass were sampled. All white bass sampled were from the 2004 year class and ranged from 13.3 to 15.2 inches. White bass occasionally spawn strong year classes, and an active connection to the Cannon River (County Ditch 59) ensures that white bass will always be in the Jefferson Chain system.

Black crappie abundance decreased since the last assessment, but average size increased. Crappie gill net and trap net fish per net numbers dropped from 7.1 and 4.5 to 2.3 and 6.2 respectively. Average weight rose from 0.15 to 0.22 pounds in gill nets and 0.26 to 0.34 pounds in trap nets.

At the time of the assessment, bluegills may have been roaming deeper water. Gill nets outfished trap nets, very atypical for this specie. Bluegill gill net catch increased from 29.4 in 2002 to 34.6 in 2008. Trap net catches fell from 44.8 in 2002 to 15.6 in 2008. Bluegill length ranged from 3 to 8 inches, and the across gears average (mean) size increased from 4.96 inches in 2002 to 5.96 inches in 2008.

Other fish surveyed include white sucker, yellow bullhead, golden shiner, white crappie, bowfin (dogfish), common carp, freshwater drum (sheephead), hybrid sunfish, and pumpkinseed. Bigmouth buffalo are present in the lake, but were not sampled.

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 East 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 waters' 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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Status Of The Fishery

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Approval Dates And Notices



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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