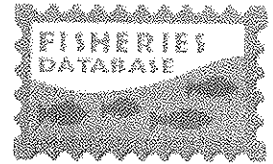




Minnesota Department of Natural Resources
 Fisheries Management
 STANDARD LAKE SURVEY REPORT



Lake Name: Volney
 DOW Number: 40-0033-00

Survey Type: Special Assessment
 Survey ID Date: 06/13/2006

Lake Identification

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

DNR Sounding Map Number: C1914
 Alternate Lake Class ID: 30

Lake Location

Primary County: Le Sueur

Nearest Town: Le Center

Legal Descriptions

Lake Center: Township - 110N Range - 23W Section - 6
 PLS Section Lake Center: 2670

All Legal Descriptions:

Le Sueur County: Township - 110N Range - 23W Section - 6
 Township - 110N Range - 24W Section - 1
 Township - 111N Range - 23W Section - 31
 Township - 111N Range - 24W Section - 36

Area Office

Area Name: Waterville
 Region Name: Southern

ORG Code: F417
 Region Number: 4

Lake Access

(Information based on Population Assessment dated 06/03/1993)

| Station ID | Ownership | Public Use | Type | Location / Comments |
|------------|-----------|------------|--------|--|
| AC - 1 | County | | Gravel | SOUTHEAST SHORE EAST OF SWIMMING BEACH. County owned public access on SE corner of lake. Private landing on NE corner. |

Lake Characteristics

Lake Area (planimetered acres): 283.00
 GIS Lake Area (acres): 268.86
 DOW Lake Area (acres): 268.00
 Littoral Area (acres): 130.00
 Area in MN (acres): 268.86
 Maximum Depth (feet): 67.0
 Mean Depth (feet): N/A

GIS Shoreline Length (miles): 2.49
 Maximum Fetch (miles): 1.00
 Fetch Orientation (degrees): 270
 USGS Quad Map Number: U15c
 USGS Quad 24K GIS Index: 4129

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STANDARD LAKE SURVEY REPORT
SPECIAL ASSESSMENT DATED 06/13/2006 FOR DOW NUMBER 40-0033-00

Watershed Characteristics

Major Watershed

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

Minor Watershed

Name: Cannon R
Watershed Number: 103
Watershed size (acres): 22,898

Surveys And Investigations

Initial Survey: 07/17/1950.
Re-Survey: 06/08/2004, 06/07/1999, 06/22/1989, 06/27/1984, 07/14/1975, 08/19/1968.
Population Assessment: 06/21/1994, 06/03/1993, 06/24/1991, 06/25/1987, 05/22/1981.
Special Assessment: 06/13/2006, 10/11/2004, 05/04/2004, 10/31/2003, 10/30/2000, 10/19/1999,
10/19/1998, 09/24/1997, 06/21/1992.

STANDARD LAKE SURVEY REPORT
SPECIAL ASSESSMENT DATED 06/13/2006 FOR DOW NUMBER 40-0033-00

Net Catch Summary by Numbers for GN

Standard gill net sets

Number of Sets: 6
 First Set Date: 06/13/2006
 Last Lift Date: 06/15/2006
 Target Species: N/A

| Abbr | Species | Total Fish | Number Per Set | Quartiles for Lake Class 24* | | |
|-----------------|-----------------|------------|----------------|--------------------------------|-------|-------|
| | | | | 25% | 50% | 75% |
| BLC | Black Crappie | 53 | 8.83 | 2.50 | 6.91 | 16.50 |
| BLG | Bluegill | 15 | 2.50 | N/A | N/A | N/A |
| CAP | Common Carp | 3 | 0.50 | 0.33 | 1.00 | 3.00 |
| FRD | Freshwater Drum | 185 | 30.83 | 4.00 | 11.75 | 32.25 |
| LMB | Largemouth Bass | 1 | 0.17 | 0.25 | 0.50 | 0.83 |
| NOP | Northern Pike | 4 | 0.67 | 1.50 | 3.75 | 7.29 |
| WAE | Walleye | 10 | 1.67 | 1.17 | 2.82 | 6.33 |
| YEP | Yellow Perch | 44 | 7.33 | 2.00 | 10.50 | 27.94 |
| Total Fish/Set: | | | 52.50 | * 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% |
| BLC | Black Crappie | 0.00 | 0.00 | 0.00 | 0.15 | 0.20 | 0.26 |
| BLG | Bluegill | 0.00 | 0.00 | 0.00 | N/A | N/A | N/A |
| CAP | Common Carp | 0.00 | 0.00 | 0.00 | 1.87 | 3.41 | 5.24 |
| FRD | Freshwater Drum | 0.00 | 0.00 | 0.00 | 0.25 | 0.50 | 1.13 |
| LMB | Largemouth Bass | 0.00 | 0.00 | 0.00 | 0.40 | 0.60 | 1.00 |
| NOP | Northern Pike | 0.00 | 0.00 | 0.00 | 2.02 | 2.68 | 3.50 |
| WAE | Walleye | 19.86 | 3.31 | 1.99 | 1.20 | 1.81 | 2.69 |
| YEP | Yellow Perch | 0.00 | 0.00 | 0.00 | 0.10 | 0.13 | 0.18 |
| Total Pounds Fish/Set: | | | 3.31 | * Quartiles for Mean Weight | | | |

STANDARD LAKE SURVEY REPORT
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Length Frequency Distribution For GN

Standard gill net sets

(Field work conducted between 06/13/2006 and 06/15/2006)

| | <u>WAE</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 | - |
| 13.00 - 13.99 | - |
| 14.00 - 14.99 | - |
| 15.00 - 15.99 | 3 |
| 16.00 - 16.99 | 2 |
| 17.00 - 17.99 | 2 |
| 18.00 - 18.99 | 2 |
| 19.00 - 19.99 | - |
| 20.00 - 20.99 | - |
| 21.00 - 21.99 | 1 |
| 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>WAE</u> |
|----------------|------------|
| Total | 10 |
| Min. Length | 15.71 |
| Max. Length | 21.81 |
| Mean Length | 17.35 |
| # Measured | 10 |
| No Lengths for | 0 |

Survey Crew Notes

Conducted by Waterville DNR Research Staff as part of study 635. Write up by Dave Weitzel.

Area Signed by user 'daweitze' on 07/16/2007 as approved by Hugh Valiant.

Status Of The Fishery

Lake Volney was surveyed in June of 2006 using standard gill nets as part of a walleye stocking research project (study 635). Walleye abundance remained low at 1.67 per net, a catch rate typical for the lake. Northern pike were also sampled in low numbers and catch rate was similar to previous studies. Volney continues to support a large population of freshwater drum as the sample included 30.1 per net. Black crappie, bluegill, and yellow perch were sampled in low to moderate numbers and should provide anglers with good opportunities for these species. Common carp were present but appear to be in low density as the catch rate was less than 1 per net.

STANDARD LAKE SURVEY REPORT
SPECIAL ASSESSMENT DATED 06/13/2006 FOR DOW NUMBER 40-0033-00

Approval Dates And Notices

Date Approved By Waterville Area Fisheries Supervisor: 07/16/2007

Date Approved By Southern Region Fisheries Manager: *Jack J. J...*
8/9/2007



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(Standard Lake Survey Report revision: 07/09/2007-RJE. Printed on 07/24/2007 at 3:11:29PM)