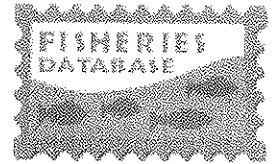




Minnesota Department of Natural Resources  
 Fisheries Management  
 STANDARD LAKE SURVEY REPORT



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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**Watershed Characteristics**

**Major Watershed**

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

**Minor Watershed**

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

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**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.

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STANDARD LAKE SURVEY REPORT  
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**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

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### 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.

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### 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.

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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 )