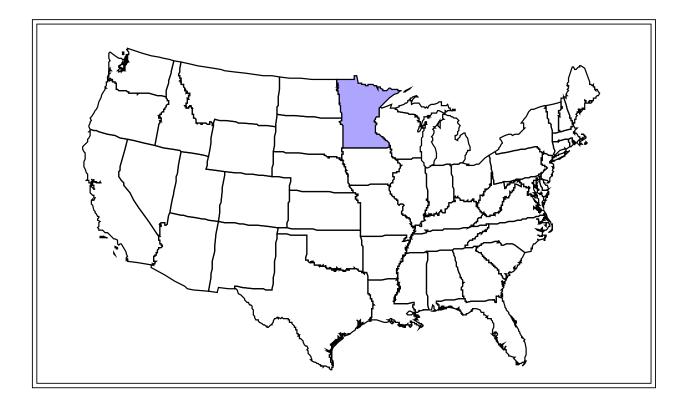
Observations on Minnesota's changing resident angler and hunter populations using licensing information from 1969 to 2012



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INTRODUCTION

Historical records on license purchases can be used to track overall participation trends in Minnesota resident angling and hunting. The historical license records with a resident/non-resident breakdowns extend back to 1969. This historical record is a product of the need to annually certify the number of Minnesota anglers and hunters with the U.S. FWS for federal aid apportionment.

Since 2000, Minnesota has licensed anglers and hunters through the Electronic Licensing System (ELS). ELS—currently used for the certification process described above—offers an opportunity to track the changing characteristics of Minnesota's hunters and anglers at a more detailed level. ELS annually stores information on every angler/hunter (age, gender, location of residence) and activity for which the participant is licensed (e.g., hunting small game, hunting deer with firearms). In ELS, license holders are assigned a unique customer identification number that permits tracking an individual from year to year. Minnesota "resident" license holders in ELS are determined by the purchase of a "resident" license (as opposed to a "nonresident" license) in all cases except one. The one exception is the 24-hour fishing license (license code = 110), in which case the state of residence is used to identify resident anglers. If the state is "MN", the angler is a Minnesota resident; all other state codes are nonresident anglers.

The order of topics is this report is as follows:

- Long-term resident participation trends for fishing and hunting from 1969 to 2012, including a comparison with the nation from 1991 to 2011.
- Recent resident participation trends for fishing and hunting by age, gender and region from 2000 to 2012.
- Trends in relicensing rates for resident anglers and hunters from 2000 to 2012. Included in this section are year-to-year participant retention rates, relicensing rates of lapsed participants, and an examination of the most recent year of participation for 2012 participants.

In the report, the full angler and hunter populations are tracked over time. Most of the emphasis is on hunters and anglers aged 16 and over. Anglers need a license at age 16, and this is also the case for hunting. Some hunters, however, are licensed under 16, and a younger age class (12 to 15) is examined in the age-class section of the report.

Excluded from the report are youth hunters either licensed below age 12 or licensed through free (no fee) licenses. Free youth licenses became available in the last few years and are not substitutes for other licenses.

The report focuses on the "participation rate", which is the percent of the population that engages in an activity on an annual basis. The report uses licensing rates as a surrogate for participation rates, although the two are technically different (differences due to license buyers who do not participate, and participants who do not buy a required license). Licensing rates, however, should be an effective surrogate, because they are expected to track closely with participation rates. All of the participation information reported for Minnesota are licensing information (Reference 1). National participation information are true participation measures (Reference 2). Population data used to derive participation (or licensing) rates comes from the U.S. Census Bureau (Reference 3).

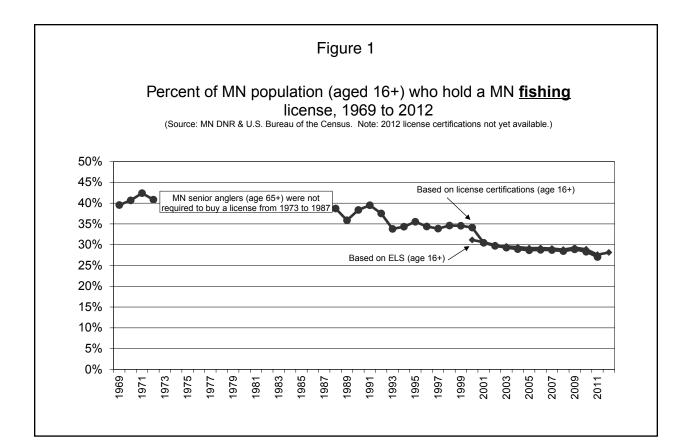
LONG-TERM PARTICIPATION TRENDS

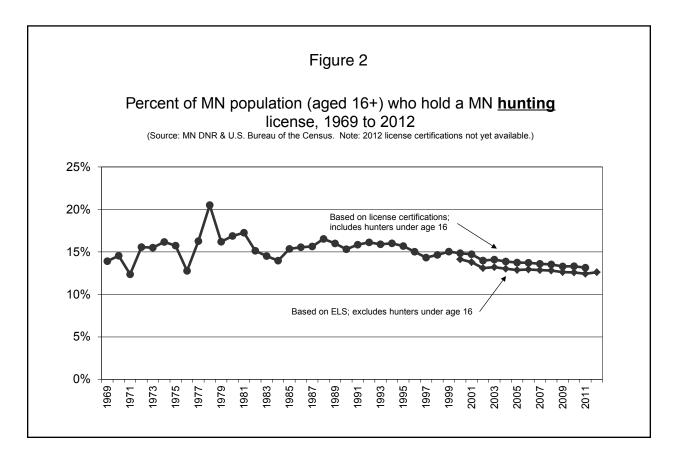
a. Minnesota resident anglers and hunters, 1969 to 2012

In the late 1960s and early 1970s, some 40 percent of Minnesotans (aged 16+) had a fishing license (Figure 1). From the mid 1970s to mid 1980s, the participation rate cannot be tracked, because seniors were not required to by a license. Since the mid 1980s, participation rates have fallen from the high 30 percents to the high 20 percents. Currently, 28 percent of Minnesotans (aged 16+) have a fishing license.

The fishing license certification series and ELS series are nearly identical from 2001 to 2011, because ELS was used to derive the certification numbers. In 2000, however, license certifications were done using traditional statistical techniques. Had ELS been used, it appears that the number of resident license holders would have been lower by some 3.5 percent. In addition, it appears that the steepness in the drop between the late 1990s and 2001 may have been more gradual than the abrupt decline displayed on the graph from 2000 to 2001.

Hunting participation, variable from 1969 to the mid 1980s, became relatively stable near 16 percent from the mid 1980s to mid 1990s, after which it fell to around 13 percent by 2012 (Figure 2). The long-term trend, based on license certifications, contains licensed hunters under age 16. Prior to ELS, the number of





licensed hunters under 16 was not known, and the usual practice was to normalize the entire hunter population by the 16 and over age cohort, which is known to have the large majority of the hunters (contains 93% of all hunters at present). This practice is continued up to the present for consistency. If those under 16 are removed, the lower graphed line is produced, which is the accurate measure of participation rates for hunters 16 and over. In 2012 the accurate measure has a participation rate of 12.6 percent, while the usual-practice method (includes hunters under 16) has a rate of 13.1 percent for the most recent year available (2011).

The participation declines for hunting and fishing since the 1990s are part of a general pattern of participation declines for nature-based recreation activities that are national in scope and extend to wildlife watching, park visitation, recreational boating, and non-motorized trail use (Reference 4). For much of nature-based recreation, the 1990s were a turning point from board-based stable-to-increasing participation-rate trends—extending back to at least World War II—to broad-based decreasing trends.

b. Compared with the nation, 1991 to 2011

Minnesota can be compared to the nation from 1991 to 2011 using Minnesota license records and participation information from the National Survey of Fishing, Hunting and Wildlife-Associated Recreation (Reference 2). The National

Survey—conducted every five years—has had a consistent methodology since 1991.

The overall decline from 1991 in Minnesota fishing participation is close to that of the nation as a whole (both around 25% to 30%—Table 1). For hunting, the national decline is steeper than the Minnesota decline.

The national declines from 1991 to 2011 are similar for

Table 1				
1991 to 2011 trends in MN and U.S. fishing and hunting participation				
		puriorpution	•	
	Fishing part	icipation-rate	Hunting parti	cipation-rate
	index (1991=100)			<u>91=100)</u>
Year	MN	<u>U.S.</u>	MN	<u>U.S.</u>
1991	100	100	100	100
1996	87	93	95	94
2001	77	86	93	83
2006	74	70	87	74
2011	70	74	84	77
			•	

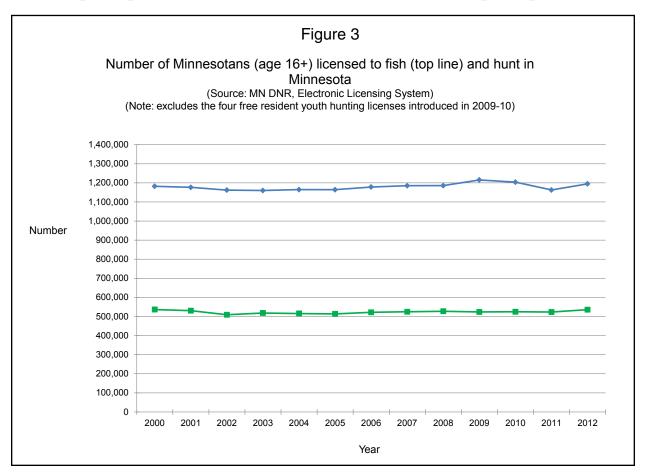
hunting and fishing. Over this same period, the Minnesota fishing decline is larger than the hunting decline.

RECENT PARTICIPATION TRENDS FOR MINNESOTA RESIDENT ANGLERS AND HUNTERS, 2000 TO 2012

a. Trends in number licensed

Since 2000 resident hunter and angler numbers have been largely stable (Figure 3). The first few years following 2000 experienced small drops in the numbers licensed, which were followed by small increases. By 2012, the numbers licensed are very close to 2000: up 1.1% for anglers, down 0.2% for hunters.

When these relatively stable trends in license holders are combined with a Minnesota population increase of 12 percent from 2000 to 2012 (Table 3—age 16+), the trends in participation rates are downward. More is said about participation trends



below.

The trend since 2000 in total Minnesota license holders (including non-residents) is as stable as the trend for residents alone. In 2012, non-residents comprise 21 percent of Minnesota fishing license holders and 4 percent of hunting license holders.

b. Age class trends

The overall declines in fishing and hunting participation from 2000 to 2012 are primarily due to the decline among young adults (under 45), while older adults exhibit more stable participation rates (Table 2). This same general age-based pattern extends to the two types of hunting license holders (deer firearms and small game) selected for tracking (bottom of Table 2).

For fishing, the age cohort from 25 to 44 has the steepest decline, while the youngest age class (16 to 24) and older age classes (45 to 64) have smaller declines. For hunting, the rapid-decline age cohort extends from 16 to 44. Hunting participation for the youngest age class (12 to 15) shows a small increase.

Those aged 65+ have rising fishing and hunting participation over the period 2000 to 2012. This rise in participation is believed to be a reflection of the upward trend in the health and vigor of adults who are currently entering their senior years.

The relative age-class shifts in participation rates between 2000 and 2012 have aged the hunting and fishing populations more rapidly than the general Minnesota population. Whereas the median age of the Minnesota population increased 2.2 years from 2000 to 2012, the median age of the fishing and hunting populations rose 3.8 and 4.6 years, respectively.

Table 2

Participation rates by age class for Minnesotans licensed to fish and hunt in Minnesota

	Percent of populat	ion licensed in year	Percent Change
Age grouping	2000	2012	2000 to 2012
Overall (ages 16+)	31.2%	28.1%	-9.9%
Ages 16 to 44	33.3%	28.9%	-13.3%
Ages 45 +	28.6%	27.4%	-4.1%
Age 16 to 24	25.7%	23.8%	-7.4%
Age 25 to 34	34.2%	30.5%	-10.7%
Age 35 to 44	38.4%	32.1%	-16.4%
Age 45 to 54	34.6%	31.8%	-8.1%
Age 55 to 64	32.5%	29.9%	-8.0%
Age 65+	19.2%	20.4%	6.2%

(participation rate = licensed anglers / population)

	Percent of populat	ion licensed in year	Percent Change
Age grouping	2000	2012	2000 to 2012
Overall (ages 12+)	14.0%	12.6%	-10.2%
Overall (ages 16+)	14.2%	12.6%	-11.1%
Ages 16 to 44	16.2%	13.3%	-17.5%
Ages 45 +	11.7%	11.9%	2.3%
Age 12 to 15	12.4%	12.8%	3.1%
Age 16 to 24	15.5%	12.9%	-16.4%
Age 25 to 34	15.7%	13.3%	-15.8%
Age 35 to 44	17.0%	13.8%	-18.8%
Age 45 to 54	15.5%	14.7%	-5.3%
Age 55 to 64	13.6%	13.2%	-2.4%
Age 65+	6.1%	7.8%	28.0%
Deer-firearm license	d hunters (age 16+)		
Overall (ages 16+)	10.9%	9.9%	-9.3%
Ages 16 to 44	12.1%	10.4%	-14.6%
Ages 45 +	9.3%	9.4%	1.3%
Small-game licensed	hunters (age 16+)		
			22.7%
Overall (ages 16+)	8.1%	6.3%	-22.7%
Overall (ages 16+) Ages 16 to 44	8.1% 9.7%	6.3% 6.7%	-22.7%

The younger age classes (16 to 44)—which have the largest decreasing participation rates—have experience little overall population change, while the older age classes (45+)—which have more stable participation rates—have grown rapidly overall (Table 3). This covariance of population change and participation-rate change has kept license numbers up.

-		nd change for		
(based	on U.S. Census	s counts and esti	imates)	
	Ye	ear	Change 2000	to 2012
	<u>2000</u>	<u>2012</u>	Number	Percent
Age class				
0 to 11	835,643	849,843	14,200	2%
12 to 15	301,019	282,842	-18,177	-6%
16 to 24	620,666	649,839	29,173	5%
25 to 34	673,138	737,095	63,957	10%
35 to 44	824,182	667,219	-156,963	-19%
45 to 54	665,696	787,115	121,419	18%
55 to 64	404,869	675,419	270,550	67%
65+	594,266	729,767	<u>135,501</u>	<u>23%</u>
Total	4,919,479	5,379,139	459,660	9%
Subtotal, age 12+	4,083,836	4,529,296	445,460	11%
Subtotal, age 16+	3,782,817	4,246,454	463,637	12%
Subtotal, age 16 to 44	2,117,986	2,054,153	-63,833	-3%
Subtotal, age 45+	1,664,831	2,192,301	527,470	32%
Region (age 16+)				
Northwest	341,582	366,298	24,716	7%
Northeast	322,043	342,816	20,773	6%
South	752,803	800,570	47,767	6%
Central	347,192	443,154	95,962	28%
Metro (7 county)	2,019,197	2,293,616	274,419	14%
Total, age 16+	3,782,817	4,246,454	463,637	12%
<u>Gender (age 16+)</u>				
Male	1,852,801	2,093,328	240,527	13%
Female	1,832,801 <u>1,930,016</u>	2,093,328 2,153,126	<u>240,327</u> <u>223,110</u>	<u>13%</u>
I CHIAIC	1,750,010	2,133,120	223,110	1270

c. Gender trends

Men have higher hunting and fishing participation rates than women in Minnesota. The gender gap changed little for fishing between 2000 and 2012, but closed for hunting (Table 4). The participation rate for female hunters went up during the last 12 years. Most of the female increase is concentrated in deer firearm hunting over the last couple of years.

Participation rate	es by gender for Minnes	able 4 sotans licensed to fish a censed anglers / population	
All licensed angler	rs (age 16+)		
	Percent of populat	ion licensed in year	Percent Change
Gender	<u>2000</u>	2012	2000 to 2012
Male	40.6%	36.7%	-9.6%
Female	22.2%	19.8%	-11.1%
Both genders	31.2%	28.1%	-9.9%
All licensed hunter	rs (age 16+)		
	Percent of populat	ion licensed in year	Percent Change
Gender	2000	<u>2012</u>	2000 to 2012
Male	26.2%	22.4%	-14.4%
Female	2.6%	3.1%	16.2%

d. Regional trends

The pattern of regional change is similar for hunters and anglers between 2000 and 2012. The largest decline is in the Central Region, and the next largest is the Metro Region (Table 5). The smallest declines are in the Northeast, Northwest, and South. The Central and Metro Region experienced the most rapid population growth over this period (Table 3), and the new residents may not be as involved in hunting and fishing as the longer-term residents.

The highest participation rates for hunting and fishing are located in the regions covering the northern two-thirds of the state (Northeast, Northwest and Central regions). In contrast, the Metro (especially) and South regions have relatively low participation rates for both hunting and fishing.

Table 5

Participation rates by region for Minnesotans licensed to fish and hunt in Minnesota

(participation rate = licensed anglers / population)

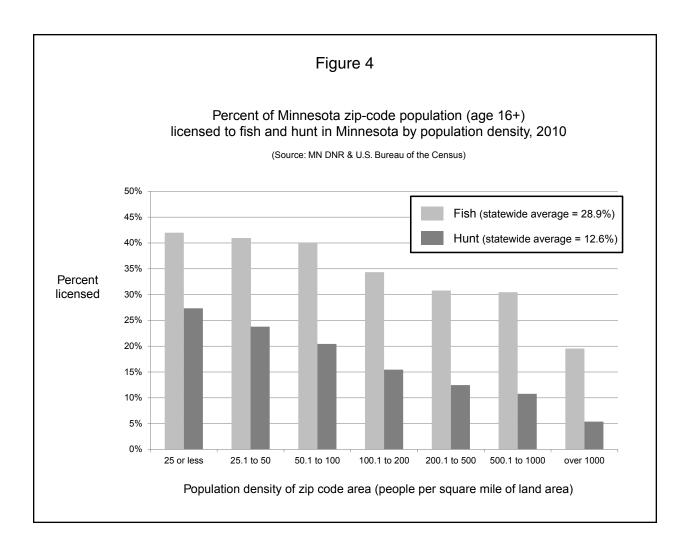
	Percent of populat	ion licensed in year	Percent Change
Region	2000	2012	2000 to 2012
Northwest	45.1%	40.8%	-9.6%
Northeast	43.7%	39.8%	-8.9%
South	30.1%	29.6%	-1.6%
Central	50.1%	42.5%	-15.2%
Metro (7 county)	24.1%	21.1%	-12.5%
Statewide	31.2%	28.1%	-9.9%

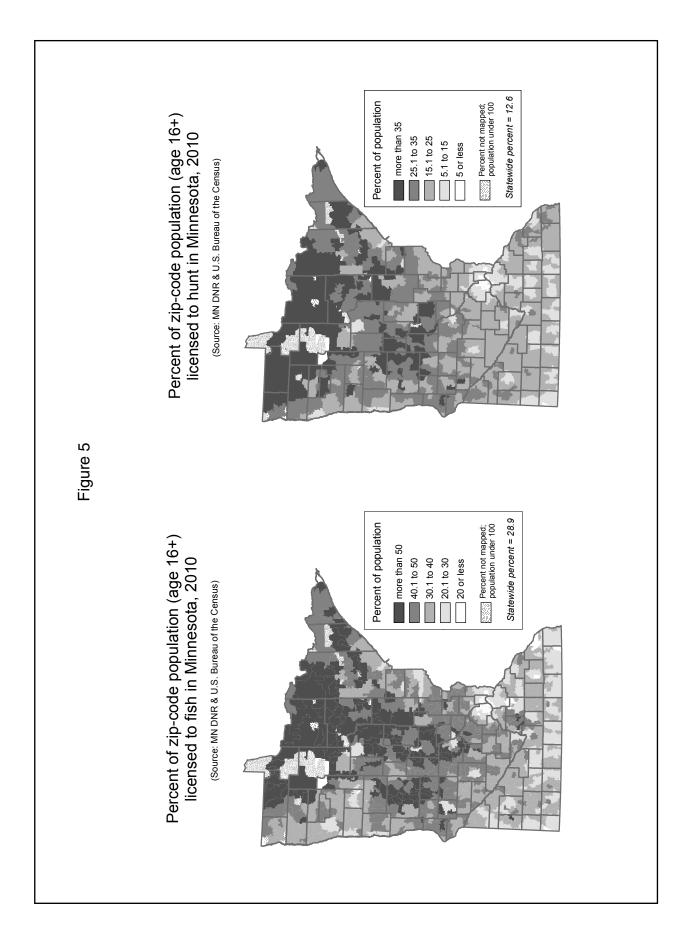
	Percent of populat	ion licensed in year	Percent Change
Region	2000	2012	2000 to 2012
Northwest	27.7%	26.3%	-5.0%
Northeast	25.8%	23.7%	-8.0%
South	15.6%	14.3%	-7.9%
Central	25.0%	21.1%	-15.7%
Metro (7 county)	7.7%	6.5%	-14.9%
Statewide	14.2%	12.6%	-11.1%



This north-south difference in participation rates is one of the two major patterns evident in a more detailed look at the geographic distribution of the fishing and hunting participation rates (Figure 5). The other major pattern is urban-rural, with the more urban and densely settled parts of the states having the lowest rates. Both hunting and fishing participation decline with increasing population density (Figure 4).

The geographic distributions of hunting and fishing participation have a lot in common. The correlation coefficient between the participation-rate maps on Figure 4 is 0.86.





TRENDS IN RELICENSING RATES FOR MINNESOTA RESIDENT ANGLERS AND HUNTERS, 2000 TO 2012

In ELS, license holders are assigned a unique customer identification number that permits tracking a individual from year to year. Every hunter is licensed as an individual and, thus, can be tracked over time. Some anglers, however, are licensed in combination licenses. For a combination license, the primary license holder is given a unique customer number—and, thus, can be tracked over time—but the other license holder (spouse) is not given a unique customer number and cannot be tracked over time. About one-fourth of resident licensed anglers cannot be tracked from year to year.

a. Year to year retention rates

Retention rates are higher for hunters than anglers. On average, 84 percent of

resident hunters relicense from year to year, compared with 72 percent of resident anglers (Table 6). Hunter retention rates have been stable from 2002 through 2012, and are currently above those in the earliest years (2001 to 2002). Fishing retention rates are stable from 2000 to 2006, and appear to have increased since 2006.

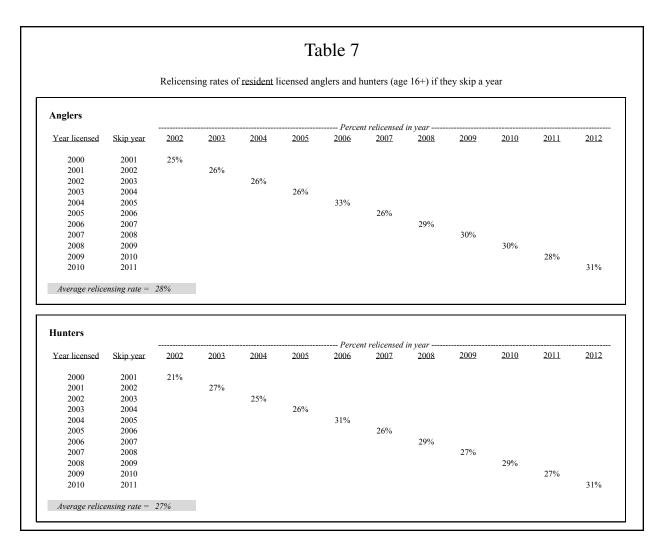
Table 6						
Year-to-year retention of resident licensed anglers and hunters, who are 16 years of age or older						
Percent relicensed						
From year	<u>To year</u>	Anglers	Hunters			
2000	2001	70%	82%			
2001	2002	72%	81%			
2002	2003	70%	85%			
2003	2004	72%	84%			
2004	2005	70%	84%			
2005	2006	71%	85%			
2006	2007	74%	85%			
2007	2008	73%	85%			
2008	2009	74%	85%			
2009	2010	73%	85%			
2010	2011	72%	85%			
2011	2012	74%	86%			
	Average =	72%	84%			

b. Relicensing rates of lapsed participants

If an angler or hunter skips a year, the likelihood they relicense the following year is relatively consistent across activities and years. It averages 27 to 28 percent (Table 7). The most recent year (2012) exceeds the average for both fishing and hunting.

A few outliers are evident in the table. Year 2006 relicensing rates are high for both fishing and hunting, for whatever reason, and year 2002 is low for hunting, for whatever reason.

When the lapsed relicensing rates are compared with the retention rates, the significance of retaining participants from year to year is evident. If a participant lapses, the likelihood they will relicense is small (27% to 28%) compared with yearly retention rates of 72 to 84 percent.



c. Year most recently participated for 2012 participants, and age distribution of "new" 2012 participants

A direct result of the high retention rates, and relatively low relicensing rates for

lapsed participants, is that the large majority of a given year's participants have participated in a recent year. For 2012 resident anglers, 72 percent participated in 2011, and another 9 percent in 2010 (Table 8). For 2012 resident hunters, 84 percent participated in 2011, with another 4 percent in 2010. Few 2012 hunters and anglers last participated three or more years ago.

"New" anglers and hunters account for 10 percent of 2012 resident anglers and 7 percent of hunters (Table 8). The "new" participants are new to ELS (for hunters, "new to ELS" means new at an age of 16 or older; some hunters are in ELS at ages below 16).

The "new" participants are definitely younger than the existing participant populations (Table 9). About half (49%) of new participants are in the youngest age class (16 to 24), with another 16 to 18 percent in the next youngest age class (25 to 34).

Year last fished and hunted for Minnesotans licensed in 2012 to fish and hunt in Minnesota			
2012 All licensed resident anglers (age 16+)			
Year last fished	Percent of 2012 anglers		
2011	72%		
2010	9%		
2009	4%		
2008	2%		
2007	1%		
2006	1%		
2005	1%		
2004	0%		
2003	0%		
2002	0%		
2001	0%		
2000	0%		
New to ELS	<u>10%</u>		
Total	100%		

Table 8

2012 All licensed resident hunters (age 16+)		
Year last hunted	Percent of 2012 hunters	
2011	84%	
2010	4%	
2009	2%	
2008	1%	
2007	1%	
2006	0%	
2005	0%	
2004	0%	
2003	0%	
2002	0%	
2001	0%	
2000	0%	
New to ELS	<u>7%</u>	
Total	100%	

Table 9

Ages of 2012 resident anglers and hunters who are new to Electronic Licensing System (not in system from 2000 to 2011)

2012 All licensed resident anglers (age 16+)

(Note: The "New to ELS" column only includes primary license holders, and it excludes spouses in combination licenses; the "All anglers" column includes both primary and spouse license holders)

Age class	New to ELS (percent)	All anglers (percent)
Age 16 to 24	49%	13%
Age 25 to 34	18%	19%
Age 35 to 44	12%	18%
Age 45 to 54	10%	21%
Age 55 to 64	7%	17%
Age 65+	<u>4%</u>	<u>12%</u>
Total	100%	100%

	New to ELS	All hunters
Age class	(percent)	(percent)
Age 16 to 24	49%	16%
Age 25 to 34	16%	18%
Age 35 to 44	12%	17%
Age 45 to 54	11%	22%
Age 55 to 64	7%	17%
Age 65+	4%	<u>11%</u>

REFERENCES

- 1. All Minnesota fishing and hunting license information comes from: Minnesota Department of Natural Resource, Division of Fish and Wildlife, License Bureau.
- National fishing and hunting participation information comes from: U. S. Department of the Interior, Fish and Wildlife Service and U. S. Department of Commerce, U. S. Census Bureau. National Survey of Fishing, Hunting, and Wildlife-Associated Recreation. Survey years 1991, 1996, 2001, 2006, and 2011.
- 3. All population information comes from: U. S. Department of Commerce, U. S. Census Bureau.
- 4. Information on nature-based recreation trends comes from:
 - U.S. fishing, hunting and wildlife watching: USFWS and U.S. Census Bureau. National Survey of Fishing, Hunting and Wildlife-Associated Recreation. Survey years 1991, 1996, 2001, 2006, and 2011.
 - National park visitation: National Park Service visitation records (www2.nature. nps.gov/stats/)
 - Minnesota fishing, hunting, park visitation, non-motorized trail, and boating trend studies: Minnesota DNR.

APPENDIX A: Number of Minnesotans licensed to fish and hunt in Minnesota by age, gender, and region, 2000 to 2012

	[]	[]	
	2012 465 154,513 224,913 214,354 214,354 201,907 149,034 1,194,903	2012 769,107 425,796 1,194,903	2012 2012 149,372 136,568 237,118 188,195 483,650 1,194,903
	2011 357 147,036 216,066 210,208 251,756 195,913 1,163,182 1,163,182	2011 749,902 412,923 1,162,825	2011 153,877 137,093 220,553 183,176 468,126 1,162,825
	2010 276 157,947 225,813 223,813 223,243 263,313 193,374 1,203,803 1,203,527	2010 775,799 427,728 1,203,527	2010 156,652 140,305 229,279 189,278 488,013 1,203,527
	2009 164,436 226,315 226,315 226,315 229,301 186,723 136,374 1,215,172	2009 784,534 430,638 1,215,172	2009 158,200 140,756 234,700 190,517 190,517 1,215,172
	2008 205 165,227 218,453 233,403 263,403 263,403 263,403 263,403 174,664 1,185,682 1,185,682	2008 768,734 416,743 1,185,477	2008 155,480 137,177 229,356 186,765 476,698 1,185,477
nnesota n)	2007 209 166,006 213,137 247,262 262,720 170,859 1,185,092	2007 768,079 417,013 1,185,092	2007 154,973 136,942 229,040 186,468 477,669 1,185,092
Number of Minnesotans licensed to fish in Minnesota (Source: MN DNR, Electronic Licensing System)	License year <u>2006</u> 0 219 0 219 0 208,880 0 208,880 0 208,880 0 208,880 0 208,880 0 208,880 0 1,178,520	License year 2006 1,178,301	 License year License year 2006 2156,492 0138,935 823,958 91,178,301 91,178,301
icensed to ectronic Lice	2005 2005 163,392 205,000 265,285 254,828 158,288 158,268 158,268 117,386 1,164,159 1,164,159	2005 2005 750,198 413,961 1,164,159	2005 151,432 151,432 136,290 223,498 179,759 179,759 179,759 1,164,159
mesotans IN DNR, Ele	2004 257 165,284 207,264 275,63 275,63 152,854 114,090 1,164,983 1,164,726	2004 755,942 408,784 1,164,726	2004 152,909 136,636 224,182 178,330 178,330 178,330 1,164,726
ıber of Miı (Source: M	2003 213 162,074 210,235 284,603 244,478 146,689 146,689 111,833 1,160,125 1,159,912	2003 751,912 408,000 1,159,912	200 <u>3</u> 154,321 136,899 222,411 175,581 470,700 1,159,912
Num	2002 220 161,152 214,596 295,016 239,176 140,288 111,892 1,162,120	2002 753,551 408,569 1,162,120	2002 154,006 138,700 220,401 173,855 475,158 173,855 173,855 173,855
	2001 2001 160,524 223,278 308,529 308,529 112,898 11,176,777 1,176,472	2 <u>001</u> 755,704 420,768 1,176,472	2001 155,702 139,745 221,957 174,983 484,086 1,176,472
	2000 211 159,418 229,880 316,653 230,173 131,497 114,327 1,181,948 1,181,948	<u>2000</u> 752,754 429,194 1,181,948	2000 154,076 140,858 2256,620 173,957 486,438 1,181,948
	AGE CLASS 15 and under 16 to 24 16 to 24 25 to 34 35 to 44 55 to 64 65+ Total Subtotal, age 16+	GENDER (age 16+) Male Female Total (age 16+)	REGION (age 16+) Northwest Northeast South Central Metro (7 county) Total (age 16+)

Number of Minnesotans licensed to fish in Minnesota

		(Nc	te: excludes	the four free	to our free resident youth hunting licenses introd	uth hunting	(Note: excludes the four free resident youth hunting licenses introduced in 2009-10)	oduced in 20	00-10)				
AGE CLASS	2000	2001	2002	2003	2004	2005	- License year 2006	2007	2008	2009	2010	2011	2012
	L.	1		¢,	u	č		001	000		-		
0 thru 1 l	45	4	35	95	5, 10	36	337	489	993 22 22	782	1,523	1,728	1,917
12 thru 15 16 thru 24	37,279 95 917	37,070	35,849 01 468	36,381 92 141	36,719 90,825	36,576 88 843	36,027 89 119	35,853 80 105	35,638 87 977	34,350 85 078	35,039 84 201	35,156 87 873	36,126 83 978
	106 002	101 737	95 741	95 592	03 999	91.673	92,520	93 619	95 246	95 274	95 484	95 609	97 768
	140,375	135,902	127,081	125,129	119,820	115,118	112,013	106,581	102,337	97,523	94,061	91,257	92,245
	103,230	105,831	104,327	109,159	111,205	114,140	117,895	119,362	120,860	119,967	118,841	116,352	115,646
55 thru 64	54,952	56,361	56,070	59,742	61,789	64,468	68,524	71,777	74,728	78,059	82,110	85,051	89,438
	35,994	36,222	34,378	36,693	37,874	39,369	41,953	44,272	46,378	48,029	50,161	52,243	56,564
	573,794	567,669	544,949	554,867	552,236	550,223	558,388	561,058	563,713	559,012	561,420	560,269	573,632
Subtotal, age 12+ Subtotal, age 16+	575,749 536,470	530,555	509,065	524,837 518,456	515,512	513.611	522,024	524,716	503,114 527,476	528,230 523,880	524,858	528,541 523,385	571,715 535,589
GENDER (age 16+)	2000	2001	2002	<u>2003</u>	2004	2005	License year 2006	2007	2008	<u>2009</u>	2010	2011	2012
Male Female Total (age 16+)	485,501 <u>50,969</u> 536,470	479,362 <u>51,193</u> 530,555	463,859 <u>45,206</u> 509,065	474,743 <u>43,713</u> 518,456	472,177 <u>43,335</u> 515,512	470,141 <u>43,470</u> 513,611	477,083 <u>44,941</u> 522,024	476,981 <u>47,735</u> 524,716	477,065 <u>50,411</u> 527,476	471,116 <u>52,764</u> 523,880	469,847 <u>55,011</u> 524,858	465,708 <u>57,677</u> 523,385	469,533 <u>66,056</u> 535,589
REGION (age 16+)	2000	<u>2001</u>	2002	2003	2004	2005	License year 2006	2007	2008	2009	2010	2011	2012
Northwest	94,752	94,485	91,114	91,478	91,577	92,323	93,476	93,676	93,917	93,924	94,824	95,390	96,514
Northeast	83,034 117 180	82,101	77,026	77,716	76,918	76,276	78,739	79,019	79,156	79,622	80,105	80,098	81,324
-	86.816	86.923	84 089	85 188	85 309	85 860	88 390	88 840	90.090 90.090	90.600	90.818	90.673	93.382
7 county) otal (age 16+)	<u>154,679</u> 536,470	<u>152,228</u> 530,555	<u>146,855</u> 509,065	<u>149,969</u> 518,456	<u>148,046</u> 515,512	<u>145,794</u> 513,611	<u>146,834</u> 522,024	<u>147,723</u> 524,716	147,994 527,476	147,409 523,880	<u>147,133</u> 524,858	<u>146,403</u> 523,385	149,572 535,589

Number of Minnesotans licensed to hunt in Minnesota