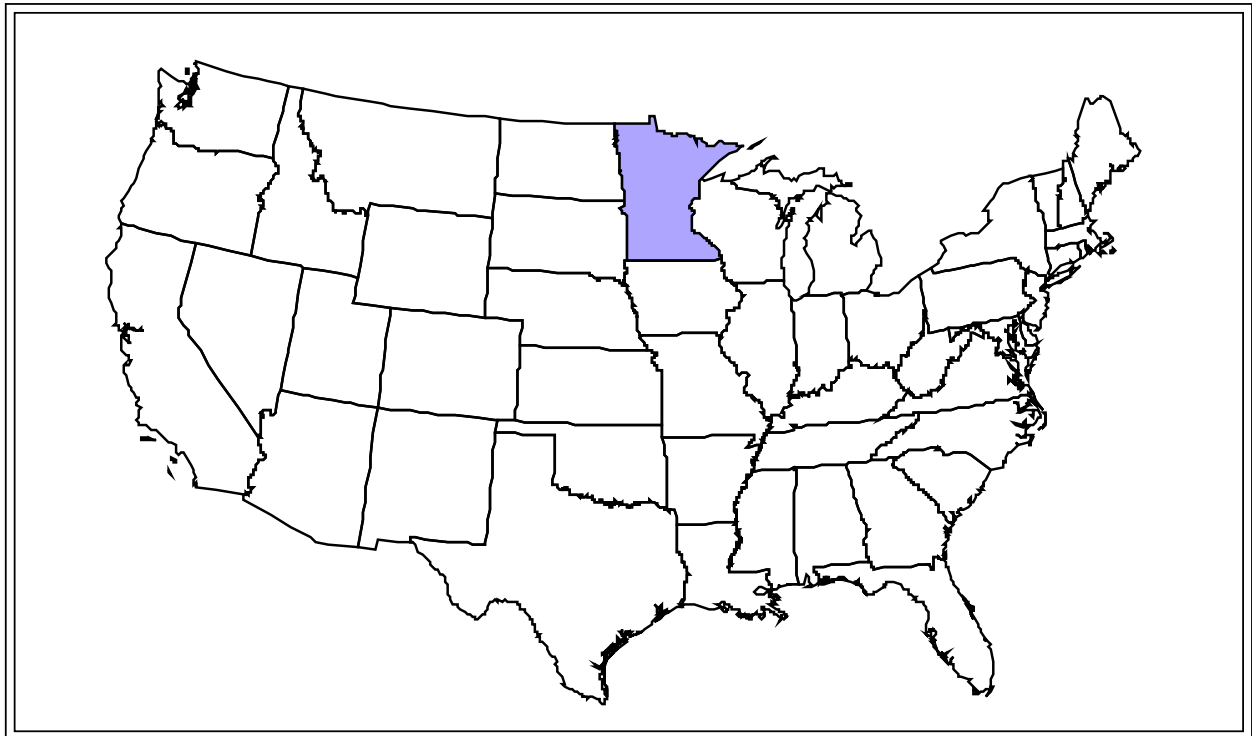


Observations on Minnesota watercraft trends using registration information from 1995 to 2013



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INTRODUCTION

Historical records on recreational watercraft registrations can be used to track trends in boat numbers and in the demographics of the Minnesotans boat owners (Reference 1). These trends provide important DNR customer and revenue-related information. Water-recreation programs in Minnesota receive substantial user-generated revenue from boat registration fees and the state gasoline tax. The tax revenue on gasoline consumed by boats is allocated to the program.

Minnesota has about 810,000 watercraft registered in 2013, which is the most per-capita of any state in the nation (Reference 2). The large majority of the registrations (96%) are for “pleasure” (i.e., recreational) purposes. The remainder are boats registered for use by rental/lease businesses, non-profits, governments, and other commercial establishments. Minnesota does not require watercraft that are documented (registered) with the U.S. Coast Guard to have a Minnesota-state registration. USCG documents large vessels. Available vessel-documentation data do not specify where the vessel is used, but there are data items pointing to likely locations. Some 3000 documented vessels are probably used for recreation purposes in Minnesota each year (Reference 3). At the other end of the boat-size spectrum, Minnesota does not require (in 2013) registration for non-motorized watercraft 10 feet or less in length, and for some watercraft used for duck hunting and wild-rice harvesting. The numbers of these smaller craft are unknown.

Understanding trends will improve our ability to deal with the future of the recreational boating in Minnesota. A similar trend-tracking efforts using fishing and hunting license and related customer information has proven useful for strategic thinking (Reference 4). In addition, snowmobile and off-highway vehicle trends have been recently assessed with a comparable methodology (Reference 5 and 6).

Watercraft registration numbers have been collected for many years, but the detailed vehicle and customer information has only been archived for trend analysis since 2010. Information for years prior to 2010 cannot be retrieved. Beginning in 2012, it became routine to annually archive detailed watercraft, off-highway vehicle, and snowmobile data, same as is done for fishing and hunting licenses. The move to annual watercraft and vehicle-registration archiving is an accomplishment of the DNR’s ongoing Conservation That Works strategic planning effort.

With limited historical information (detailed data only from 2010 to 2013) this report is mainly about setting forth a reporting and analysis framework for further

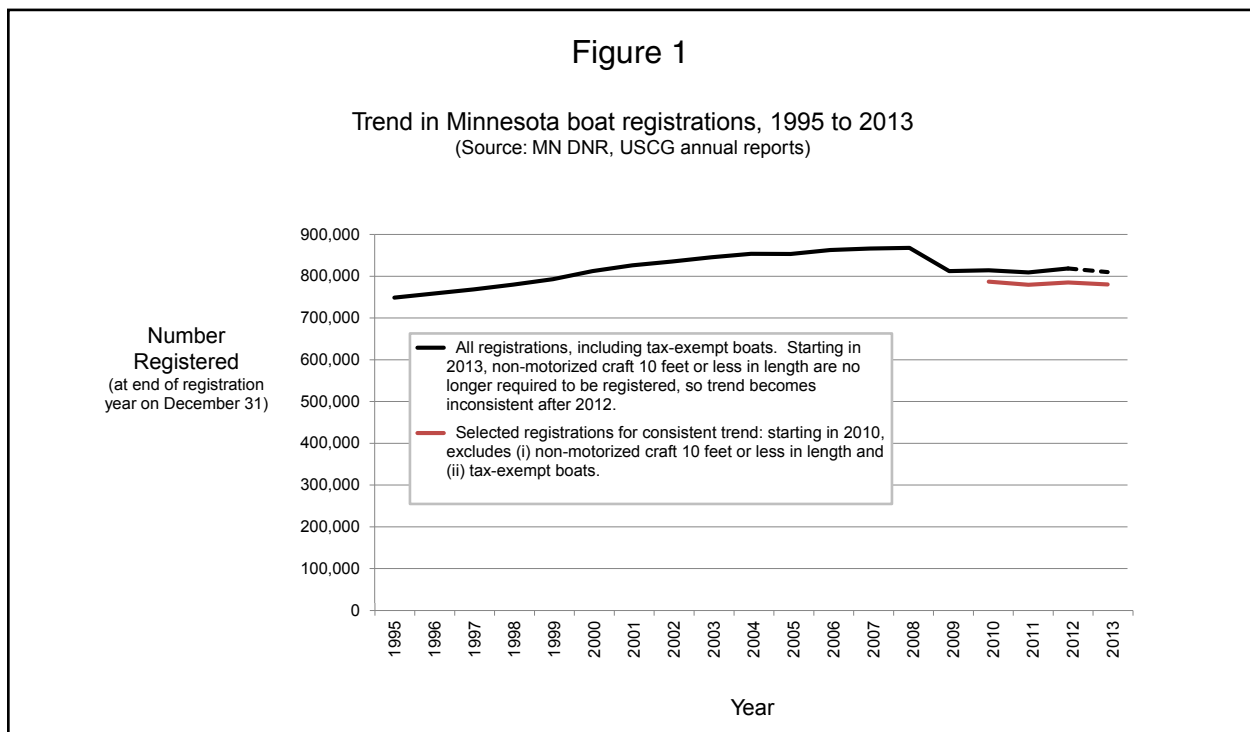
application. Although limited, there are a few significant findings for watercraft that demonstrate the utility of such efforts. The framework presented here has a lot in common with that developed for fishing and hunting licenses (Reference 4), and snowmobiles (Reference 5) and off-highway vehicles (Reference 6).

The order of topics in the report are:

- Longer-term registration trends from 1995 to 2013.
- Customer demographic trends from 2010 to 2013, including comparisons of Minnesota boat owners with the state population (Reference 7).

LONGER-TERM REGISTRATION TRENDS

Minnesota watercraft registrations rose steadily from the 1990s to 2008, then declined sharply for one year, and have since stabilized (Figure 1). The decline coincided with the recent economic recession (which formally began at the end of 2007). Peak registration reached nearly 268,000 in 2008. Current registrations are about 810,000 (boat numbers are recorded at the end of the registration year on December 31).



Starting in 2013, a change occurred in registration requirements: non-motorized craft 10 feet or less in length are no longer required to be registered. Prior to 2013, this registration cut off was 9 feet. Boat registrations are for three years, meaning it will take a couple more years for many non-motorized craft to become “unregistered” in the system.

Due to this registration requirement change, the top trend line in Figure 1 becomes inconsistent after 2012. A new trend line is suggested to track overall registrations in a consistent fashion. It starts in 2010, when the detailed boat data are first archived (bottom line in Figure 1). From 2010 forward, the new trend data series eliminates non-motorized craft 10 feet or less and length, and it excludes tax-exempt (i.e., government) registrations, which are typically excluded when tracking snowmobiles and off-highway vehicles. Excluding tax-exempt boats will make boat tracking more similar to vehicle tracking. Overall, the new trend data series has around 30,000 fewer registrations, with nearly one-third of the fewer registrations due to tax-exempt boats.

CUSTOMER DEMOGRAPHIC TRENDS FROM 2010 TO 2013

Within the new trend data series describe above, customer demographic information is examined for registrations by Minnesota individuals, who register their boats for pleasure (i.e., recreation). Most watercraft (91.4% in 2013—see Table 1) are registered by such individuals for recreation use. Excluded from this type of registration are non-residents, organizations (e.g., dealers, manufacturers, and non-profits), and other businesses. The majority of these exclusions are non-residents, with nearly all the rest comprised of Minnesota-based organizations (e.g., businesses, non-profits). Focusing on Minnesota individuals permits comparisons with general population information (including number of people, age class, gender, and region of residence), and further focusing on recreation registrations places these population comparisons in a recreation context, which is the desired context.

Customer demographics are displayed for the most recent year (2013) in Table 1, which is broken into two parts. The top part (A) is derived from boat numbers, and the bottom part (B) from owners. An owner can only be counted once in part B, but can be counted multiple times in part A if the owner has multiple boats. The patterns in the two parts are very similar, because few Minnesota owners have a large number of boats (average is 1.4 boats per owner).

Boat registrations are concentrated in the older age classes (45 plus), in males, and in the northern regions (Table 1—region map on Figure 2). The older age classes—which contain just over half (53%) the population older than 17—account for 80 percent of boat registrations. The top region—on a per-capita basis—is the Northeast, although the Northwest is only slightly lower.

The metro region, where just over half the Minnesota population resides, has the fewest boats per capita. This population-registration disparity, however, is not nearly as skewed toward non-metropolitan Minnesota as are off-highway vehicle and snowmobile registrations. The metro region contains 40 percent of all registered boats, but only 23 percent of off-highway vehicles and 28 percent of snowmobiles. Riding snowmobiles and off-highway vehicles are two of the most rural-based outdoor recreation activities in Minnesota

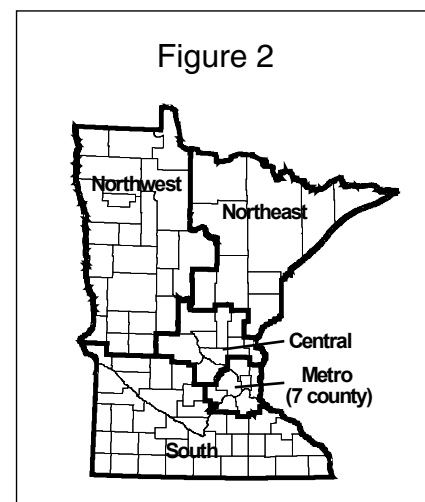


Table 1

Characteristics of Minnesota boat registrants, 2013

("Total registrations" and "Total owners" exclude tax-exempt boats, and exclude non-motorized craft 10 feet or less in length, which are not required to be registered starting in 2013)

A. Statistics based on number of boats					
Measure	Boats	Percent of total	MN population 18+, 2012	Percent of population 18+	Boats per 1000 MN 18+
Total registrations	780,160	100.0%			
MN individual registrations for "pleasure" use of boats	713,160	91.4%	4,102,991	100.0%	174
<i>Characteristics below based on MN individual registrations for "pleasure" use of boats</i>					
<u>Age class of owner</u>					
18 to 24	6,475	0.9%	506,376	12.3%	13
25 to 34	46,218	6.5%	737,095	18.0%	63
35 to 44	91,238	12.8%	667,219	16.3%	137
45 to 54	182,389	25.6%	787,115	19.2%	232
55 to 64	203,932	28.6%	675,419	16.5%	302
65 or older	<u>182,909</u>	<u>25.6%</u>	<u>729,767</u>	<u>17.8%</u>	<u>251</u>
Total	713,160	100.0%	4,102,991	100.0%	174
Median age	56.4		47.0		
<u>Gender of owner</u>					
Male	617,202	86.5%	2,019,934	49.2%	306
Female	<u>95,958</u>	<u>13.5%</u>	<u>2,083,057</u>	<u>50.8%</u>	<u>46</u>
Total	713,160	100.0%	4,102,991	100.0%	174
<u>Region of owner</u>					
Northwest	98,373	13.8%	354,261	8.6%	278
Northeast	110,631	15.5%	332,784	8.1%	332
South	119,299	16.7%	773,862	18.9%	154
Central	98,336	13.8%	426,988	10.4%	230
Metro (7 county)	<u>286,521</u>	<u>40.2%</u>	<u>2,215,096</u>	<u>54.0%</u>	<u>129</u>
Total	713,160	100.0%	4,102,991	100.0%	174

B. Statistics based on number of boat owners					
Measure	Owners	Percent of total	MN population 18+, 2012	Percent of population 18+	Owners as percent of MN pop 18+
Total owners	528,479	100.0%			
MN individual owners who have boats for "pleasure" use	495,725	93.8%	4,102,991	100.0%	12.1%
<i>Characteristics below based on MN individual owners who have boats for "pleasure" use</i>					
<u>Age class of owner</u>					
18 to 24	5,778	1.2%	506,376	12.3%	1.1%
25 to 34	39,071	7.9%	737,095	18.0%	5.3%
35 to 44	70,801	14.3%	667,219	16.3%	10.6%
45 to 54	126,732	25.6%	787,115	19.2%	16.1%
55 to 64	132,707	26.8%	675,419	16.5%	19.6%
65 or older	<u>120,636</u>	<u>24.3%</u>	<u>729,767</u>	<u>17.8%</u>	<u>16.5%</u>
Total	495,725	100.0%	4,102,991	100.0%	12.1%
Median age	55.4		47.0		
<u>Gender of owner</u>					
Male	419,097	84.5%	2,019,934	49.2%	20.7%
Female	<u>76,628</u>	<u>15.5%</u>	<u>2,083,057</u>	<u>50.8%</u>	<u>3.7%</u>
Total	495,725	100.0%	4,102,991	100.0%	12.1%
<u>Region of owner</u>					
Northwest	68,312	13.8%	354,261	8.6%	19.3%
Northeast	69,923	14.1%	332,784	8.1%	21.0%
South	87,446	17.6%	773,862	18.9%	11.3%
Central	70,358	14.2%	426,988	10.4%	16.5%
Metro (7 county)	<u>199,686</u>	<u>40.3%</u>	<u>2,215,096</u>	<u>54.0%</u>	<u>9.0%</u>
Total	495,725	100.0%	4,102,991	100.0%	12.1%

(Reference 8). In contrast, boating—comprised of a wide range of craft types and activities—is more balanced across the urban-rural spectrum.

In spite of the shortness of the 2010-13 trend period, there are some noteworthy findings. Although the overall change is modest (decline of about 4% to 5%), there are sharper declines in the younger age classes (under 55), while the 55 to 64 age class has a lower decline, and the 65+ age classes exhibits some growth (Table 2). This is a typical trend pattern for nature-based recreation activities, where the involvement of the young is decreasing relative to the older portion of the population (nature-based activities for which we have age trends include fishing, hunting, park visitation, non-motorized trail use, and wildlife watching—Reference 9; and snowmobile registrations—Reference 5, and off-highway vehicle registrations—Reference 6). As a consequence of this age-based change pattern, the median age of boat owners rose 1.6 years from 2010 to 2013, which is more rapid rise than the 0.9 years that occurred in the general Minnesota population for the same period and age group. Snowmobile owners showed a similar rise in median age from 2010 to 2013 (1.7 years), while off-highway vehicle owners exhibited a much larger rise (2.4 years).

Compared with age, the declines across gender and region are more uniform (Table 2). The metro region had a slightly larger decline than the rest of the state, and the southern region had a slightly smaller decline.

Also shown in Table 2 (part C) is little change in boats per owner between 2010 and 2013, indicating that owners *and* their boats are changing together. Thus, the change in boats is not due to owners registering fewer (or more) boats over time; for example, not registering the second boat, but continuing to register the first.

Table 2

Trend in characteristics of Minnesota boat registrants, 2010 to 2013

(based on registrations by Minnesota individuals for "pleasure" use, which excludes registrations by non-residents and by government, dealers, manufacturers, and other for-profit and non-profit organizations; and also excludes registrations of non-motorized craft 10 feet or less in length, which are not required to be registered starting in 2013)

<i>A. Boats per 1000 Minnesotans age 18+</i>		<i>B. Registered owners as percent of Minnesota population age 18+</i>		<i>C. Boats per registered owner</i>			
<u>Characteristic</u>	<u>2010</u>	<u>2013</u>	<u>Percent change</u>	<u>Characteristic</u>	<u>2010</u>	<u>2013</u>	<u>Percent change</u>
Overall	180.9	173.8	-3.9%	Overall	12.7%	12.1%	-5.2%
<u>Age class of owner</u>							
18 to 24	14.1	12.8	-9.0%	18 to 24	1.3%	1.1%	-10.1%
25 to 34	69.5	62.7	-9.7%	25 to 34	5.9%	5.3%	-10.6%
35 to 44	149.3	136.7	-8.4%	35 to 44	11.6%	10.6%	-8.8%
45 to 54	255.8	231.7	-9.4%	45 to 54	17.8%	16.1%	-9.8%
55 to 64	320.4	301.9	-5.8%	55 to 64	21.0%	19.6%	-6.5%
65 or older	240.5	250.6	4.2%	65 or older	16.1%	16.5%	2.8%
<u>Gender of owner</u>							
Male	319.3	305.6	-4.3%	Male	22.0%	20.7%	-5.5%
Female	47.1	46.1	-2.3%	Female	3.8%	3.7%	-3.8%
<u>Region of owner</u>							
Northwest	283.2	277.7	-2.0%	Northwest	20.0%	19.3%	-3.4%
Northeast	344.5	332.4	-3.5%	Northeast	22.0%	21.0%	-4.6%
South	156.0	154.2	-1.2%	South	11.6%	11.3%	-2.9%
Central	238.7	230.3	-3.5%	Central	17.2%	16.5%	-4.4%
Metro (7 county)	136.7	129.3	-5.4%	Metro (7 county)	9.6%	9.0%	-6.6%
<u>Overall</u>							
					1.42	1.44	1.3%
<u>Age class of owner</u>							
18 to 24				18 to 24	1.11	1.12	1.2%
25 to 34				25 to 34	1.17	1.18	1.0%
35 to 44				35 to 44	1.28	1.29	0.5%
45 to 54				45 to 54	1.43	1.44	0.4%
55 to 64				55 to 64	1.53	1.54	0.7%
65 or older				65 or older	1.50	1.52	1.4%
<u>Gender of owner</u>							
Male				Male	1.45	1.47	1.3%
Female				Female	1.23	1.25	1.6%
<u>Region of owner</u>							
Northwest				Northwest	1.42	1.44	1.5%
Northeast				Northeast	1.56	1.58	1.2%
South				South	1.34	1.36	1.8%
Central				Central	1.39	1.40	0.9%
Metro (7 county)				Metro (7 county)	1.42	1.43	1.3%

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3. U.S. Coast Guard, Office of Information Services. Merchant Vessels of the United States. Data file that is current through July 2011.
4. Minnesota Department of Natural Resources. 2013. Observations on Minnesota's changing resident angler and hunter populations using licensing information from 1969 to 2012. Prepared by Tim Kelly, Operations Services Division.
5. Minnesota Department of Natural Resources. 2013. Observations on Minnesota's snowmobile trends using registration information from 1995 to 2013. Prepared by Tim Kelly, Operations Services Division.
6. Minnesota Department of Natural Resources. 2014. Observations on Minnesota's off-highway vehicle trends using registration information from 1995 to 2013. Prepared by Tim Kelly, Operations Services Division.
7. All population information comes from: U. S. Department of Commerce, U. S. Census Bureau.
8. Minnesota Department of Natural Resources. 2005. 2004 Outdoor Recreation Participation Survey of Minnesotans. Prepared by Tim Kelly.
9. Information on nature-based recreation trends by age class comes from: Minnesota fishing, hunting, park visitation, and non-motorized trail information is from Minnesota DNR studies:
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Status of Summer Trail Use (2007-09) on Five Paved State Bicycle Trails and Trends Since the 1990s. Prepared by Tim Kelly, Minnesota Department of Natural Resources, 2010.

Minnesota wildlife watching, and U.S. fishing, hunting and wildlife watching is from: USFWS and U.S. Census Bureau. National Survey of Fishing, Hunting and Wildlife-Associated Recreation. Survey years 1991, 1996, 2001, 2006, and 2011

APPENDIX A: Characteristics of Minnesota boat registrants by year, 2010 to 2013

Year 2010 boat data

Characteristics of Minnesota boat registrants, 2010

("Total registrations" and "Total owners" exclude tax-exempt boats, and exclude non-motorized craft 10 feet or less in length, which are not required to be registered starting in 2013)

A. Statistics based on number of boats

Measure	Boats	Percent of total	MN population 18+, 2009	Percent of population 18+	Boats per 1000 MN 18+
Total registrations	786,943	100.0%			
MN individual registrations for "pleasure" use of boats	723,061	91.9%	3,997,100	100.0%	181
<i>Characteristics below based on MN individual registrations for "pleasure" use of boats</i>					
<u>Age class of owner</u>					
18 to 24	7,143	1.0%	508,202	12.7%	14
25 to 34	49,147	6.8%	707,472	17.7%	69
35 to 44	103,340	14.3%	692,200	17.3%	149
45 to 54	206,787	28.6%	808,480	20.2%	256
55 to 64	194,902	27.0%	608,257	15.2%	320
65 or older	<u>161,743</u>	<u>22.4%</u>	<u>672,489</u>	<u>16.8%</u>	<u>241</u>
Total	723,061	100.0%	3,997,100	100.0%	181
Median age	54.8		46.1		
<u>Gender of owner</u>					
Male	627,244	86.7%	1,964,250	49.1%	319
Female	<u>95,817</u>	<u>13.3%</u>	<u>2,032,850</u>	<u>50.9%</u>	<u>47</u>
Total	723,061	100.0%	3,997,100	100.0%	181
<u>Region of owner</u>					
Northwest	98,880	13.7%	349,138	8.7%	283
Northeast	113,336	15.7%	329,029	8.2%	344
South	119,244	16.5%	764,497	19.1%	156
Central	99,386	13.7%	416,338	10.4%	239
Metro (7 county)	<u>292,215</u>	<u>40.4%</u>	<u>2,138,097</u>	<u>53.5%</u>	<u>137</u>
Total	723,061	100.0%	3,997,100	100.0%	181

B. Statistics based on number of boat owners

Measure	Owners	Percent of total	MN population 18+, 2009	Percent of population 18+	Owners as percent of MN pop 18+
Total owners	540,272	100.0%			
MN individual owners who have boats for "pleasure" use	509,160	94.2%	3,997,100	100.0%	12.7%
<i>Characteristics below based on MN individual owners who have boats for "pleasure" use</i>					
<u>Age class of owner</u>					
18 to 24	6,452	1.3%	508,202	12.7%	1.3%
25 to 34	41,955	8.2%	707,472	17.7%	5.9%
35 to 44	80,570	15.8%	692,200	17.3%	11.6%
45 to 54	144,283	28.3%	808,480	20.2%	17.8%
55 to 64	127,764	25.1%	608,257	15.2%	21.0%
65 or older	<u>108,135</u>	<u>21.2%</u>	<u>672,489</u>	<u>16.8%</u>	<u>16.1%</u>
Total	509,160	100.0%	3,997,100	100.0%	12.7%
Median age	53.8		46.1		
<u>Gender of owner</u>					
Male	431,435	84.7%	1,964,250	49.1%	22.0%
Female	<u>77,725</u>	<u>15.3%</u>	<u>2,032,850</u>	<u>50.9%</u>	<u>3.8%</u>
Total	509,160	100.0%	3,997,100	100.0%	12.7%
<u>Region of owner</u>					
Northwest	69,663	13.7%	349,138	8.7%	20.0%
Northeast	72,457	14.2%	329,029	8.2%	22.0%
South	88,994	17.5%	764,497	19.1%	11.6%
Central	71,726	14.1%	416,338	10.4%	17.2%
Metro (7 county)	<u>206,320</u>	<u>40.5%</u>	<u>2,138,097</u>	<u>53.5%</u>	<u>9.6%</u>
Total	509,160	100.0%	3,997,100	100.0%	12.7%

Year 2011 boat data

Characteristics of Minnesota boat registrants, 2011

("Total registrations" and "Total owners" exclude tax-exempt boats, and exclude non-motorized craft 10 feet or less in length, which are not required to be registered starting in 2013)

A. Statistics based on number of boats

Measure	Boats	Percent of total	MN population 18+, 2010	Percent of population 18+	Boats per 1000 MN 18+
Total registrations	779,572	100.0%			
MN individual registrations for "pleasure" use of boats	715,790	91.8%	4,028,001	100.0%	178
<i>Characteristics below based on MN individual registrations for "pleasure" use of boats</i>					
<u>Age class of owner</u>					
18 to 24	6,487	0.9%	503,871	12.5%	13
25 to 34	47,737	6.7%	718,344	17.8%	66
35 to 44	97,501	13.6%	678,782	16.9%	144
45 to 54	197,548	27.6%	806,632	20.0%	245
55 to 64	198,468	27.7%	634,065	15.7%	313
65 or older	<u>168,050</u>	<u>23.5%</u>	<u>686,307</u>	<u>17.0%</u>	<u>245</u>
Total	715,790	100.0%	4,028,001	100.0%	178
Median age	55.4		46.5		
<u>Gender of owner</u>					
Male	620,891	86.7%	1,979,812	49.2%	314
Female	<u>94,899</u>	<u>13.3%</u>	<u>2,048,189</u>	<u>50.8%</u>	<u>46</u>
Total	715,790	100.0%	4,028,001	100.0%	178
<u>Region of owner</u>					
Northwest	97,933	13.7%	351,713	8.7%	278
Northeast	112,002	15.6%	331,356	8.2%	338
South	118,797	16.6%	769,572	19.1%	154
Central	98,690	13.8%	420,721	10.4%	235
Metro (7 county)	<u>288,368</u>	<u>40.3%</u>	<u>2,154,639</u>	<u>53.5%</u>	<u>134</u>
Total	715,790	100.0%	4,028,001	100.0%	178

B. Statistics based on number of boat owners

Measure	Owners	Percent of total	MN population 18+, 2010	Percent of population 18+	Owners as percent of MN pop 18+
Total owners	534,054	100.0%			
MN individual owners who have boats for "pleasure" use	502,873	94.2%	4,028,001	100.0%	12.5%
<i>Characteristics below based on MN individual owners who have boats for "pleasure" use</i>					
<u>Age class of owner</u>					
18 to 24	5,866	1.2%	503,871	12.5%	1.2%
25 to 34	40,655	8.1%	718,344	17.8%	5.7%
35 to 44	76,217	15.2%	678,782	16.9%	11.2%
45 to 54	138,135	27.5%	806,632	20.0%	17.1%
55 to 64	129,784	25.8%	634,065	15.7%	20.5%
65 or older	<u>112,216</u>	<u>22.3%</u>	<u>686,307</u>	<u>17.0%</u>	<u>16.4%</u>
Total	502,873	100.0%	4,028,001	100.0%	12.5%
Median age	54.4		46.5		
<u>Gender of owner</u>					
Male	426,172	84.7%	1,979,812	49.2%	21.5%
Female	<u>76,701</u>	<u>15.3%</u>	<u>2,048,189</u>	<u>50.8%</u>	<u>3.7%</u>
Total	502,873	100.0%	4,028,001	100.0%	12.5%
<u>Region of owner</u>					
Northwest	68,774	13.7%	351,713	8.7%	19.6%
Northeast	71,563	14.2%	331,356	8.2%	21.6%
South	88,151	17.5%	769,572	19.1%	11.5%
Central	71,146	14.1%	420,721	10.4%	16.9%
Metro (7 county)	<u>203,238</u>	<u>40.4%</u>	<u>2,154,639</u>	<u>53.5%</u>	<u>9.4%</u>
Total	502,873	100.0%	4,028,001	100.0%	12.5%

Year 2012 boat data

Characteristics of Minnesota boat registrants, 2012

("Total registrations" and "Total owners" exclude tax-exempt boats, and exclude non-motorized craft 10 feet or less in length, which are not required to be registered starting in 2013)

A. Statistics based on number of boats					
Measure	Boats	Percent of total	MN population 18+, 2011	Percent of population 18+	Boats per 1000 MN 18+
Total registrations	785,045	100.0%			
MN individual registrations for "pleasure" use of boats	719,067	91.6%	4,068,157	100.0%	177
<i>Characteristics below based on MN individual registrations for "pleasure" use of boats</i>					
<u>Age class of owner</u>					
18 to 24	6,560	0.9%	505,955	12.4%	13
25 to 34	47,596	6.6%	729,934	17.9%	65
35 to 44	95,229	13.2%	670,504	16.5%	142
45 to 54	191,081	26.6%	799,631	19.7%	239
55 to 64	202,022	28.1%	661,036	16.2%	306
65 or older	176,580	24.6%	701,097	17.2%	252
Total	719,067	100.0%	4,068,157	100.0%	177
Median age	55.9		46.7		
<u>Gender of owner</u>					
Male	623,145	86.7%	2,001,892	49.2%	311
Female	95,922	13.3%	2,066,265	50.8%	46
Total	719,067	100.0%	4,068,157	100.0%	177
<u>Region of owner</u>					
Northwest	98,950	13.8%	353,925	8.7%	280
Northeast	112,144	15.6%	332,496	8.2%	337
South	120,118	16.7%	772,795	19.0%	155
Central	99,373	13.8%	424,281	10.4%	234
Metro (7 county)	288,481	40.1%	2,184,660	53.7%	132
Total	719,067	100.0%	4,068,157	100.0%	177

B. Statistics based on number of boat owners					
Measure	Owners	Percent of total	MN population 18+, 2011	Percent of population 18+	Owners as percent of MN pop 18+
Total owners	534,540	100.0%			
MN individual owners who have boats for "pleasure" use	502,426	94.0%	4,068,157	100.0%	12.4%
<i>Characteristics below based on MN individual owners who have boats for "pleasure" use</i>					
<u>Age class of owner</u>					
18 to 24	5,849	1.2%	505,955	12.4%	1.2%
25 to 34	40,395	8.0%	729,934	17.9%	5.5%
35 to 44	74,084	14.7%	670,504	16.5%	11.0%
45 to 54	133,071	26.5%	799,631	19.7%	16.6%
55 to 64	131,833	26.2%	661,036	16.2%	19.9%
65 or older	117,193	23.3%	701,097	17.2%	16.7%
Total	502,426	100.0%	4,068,157	100.0%	12.4%
Median age	54.9		46.7		
<u>Gender of owner</u>					
Male	425,336	84.7%	2,001,892	49.2%	21.2%
Female	77,090	15.3%	2,066,265	50.8%	3.7%
Total	502,426	100.0%	4,068,157	100.0%	12.4%
<u>Region of owner</u>					
Northwest	69,089	13.8%	353,925	8.7%	19.5%
Northeast	71,273	14.2%	332,496	8.2%	21.4%
South	88,554	17.6%	772,795	19.0%	11.5%
Central	71,354	14.2%	424,281	10.4%	16.8%
Metro (7 county)	202,156	40.2%	2,184,660	53.7%	9.3%
Total	502,426	100.0%	4,068,157	100.0%	12.4%

Year 2013 boat data

Characteristics of Minnesota boat registrants, 2013

("Total registrations" and "Total owners" exclude tax-exempt boats, and exclude non-motorized craft 10 feet or less in length, which are not required to be registered starting in 2013)

A. Statistics based on number of boats					
<u>Measure</u>	<u>Boats</u>	<u>Percent of total</u>	<u>MN population 18+, 2012</u>	<u>Percent of population 18+</u>	<u>Boats per 1000 MN 18+</u>
Total registrations	780,160	100.0%			
MN individual registrations for "pleasure" use of boats	713,160	91.4%	4,102,991	100.0%	174
<i>Characteristics below based on MN individual registrations for "pleasure" use of boats</i>					
<u>Age class of owner</u>					
18 to 24	6,475	0.9%	506,376	12.3%	13
25 to 34	46,218	6.5%	737,095	18.0%	63
35 to 44	91,238	12.8%	667,219	16.3%	137
45 to 54	182,389	25.6%	787,115	19.2%	232
55 to 64	203,932	28.6%	675,419	16.5%	302
65 or older	<u>182,909</u>	<u>25.6%</u>	<u>729,767</u>	<u>17.8%</u>	<u>251</u>
Total	713,160	100.0%	4,102,991	100.0%	174
Median age	56.4		47.0		
<u>Gender of owner</u>					
Male	617,202	86.5%	2,019,934	49.2%	306
Female	<u>95,958</u>	<u>13.5%</u>	<u>2,083,057</u>	<u>50.8%</u>	<u>46</u>
Total	713,160	100.0%	4,102,991	100.0%	174
<u>Region of owner</u>					
Northwest	98,373	13.8%	354,261	8.6%	278
Northeast	110,631	15.5%	332,784	8.1%	332
South	119,299	16.7%	773,862	18.9%	154
Central	98,336	13.8%	426,988	10.4%	230
Metro (7 county)	<u>286,521</u>	<u>40.2%</u>	<u>2,215,096</u>	<u>54.0%</u>	<u>129</u>
Total	713,160	100.0%	4,102,991	100.0%	174

B. Statistics based on number of boat owners					
<u>Measure</u>	<u>Owners</u>	<u>Percent of total</u>	<u>MN population 18+, 2012</u>	<u>Percent of population 18+</u>	<u>Owners as percent of MN pop 18+</u>
Total owners	528,479	100.0%			
MN individual owners who have boats for "pleasure" use	495,725	93.8%	4,102,991	100.0%	12.1%
<i>Characteristics below based on MN individual owners who have boats for "pleasure" use</i>					
<u>Age class of owner</u>					
18 to 24	5,778	1.2%	506,376	12.3%	1.1%
25 to 34	39,071	7.9%	737,095	18.0%	5.3%
35 to 44	70,801	14.3%	667,219	16.3%	10.6%
45 to 54	126,732	25.6%	787,115	19.2%	16.1%
55 to 64	132,707	26.8%	675,419	16.5%	19.6%
65 or older	<u>120,636</u>	<u>24.3%</u>	<u>729,767</u>	<u>17.8%</u>	<u>16.5%</u>
Total	495,725	100.0%	4,102,991	100.0%	12.1%
Median age	55.4		47.0		
<u>Gender of owner</u>					
Male	419,097	84.5%	2,019,934	49.2%	20.7%
Female	<u>76,628</u>	<u>15.5%</u>	<u>2,083,057</u>	<u>50.8%</u>	<u>3.7%</u>
Total	495,725	100.0%	4,102,991	100.0%	12.1%
<u>Region of owner</u>					
Northwest	68,312	13.8%	354,261	8.6%	19.3%
Northeast	69,923	14.1%	332,784	8.1%	21.0%
South	87,446	17.6%	773,862	18.9%	11.3%
Central	70,358	14.2%	426,988	10.4%	16.5%
Metro (7 county)	<u>199,686</u>	<u>40.3%</u>	<u>2,215,096</u>	<u>54.0%</u>	<u>9.0%</u>
Total	495,725	100.0%	4,102,991	100.0%	12.1%