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Michigan Department of Natural Resources

MICHIGAN DEER HARVEST SURVEY REPORT 2003 SEASONS

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ABSTRACT

A survey of deer hunters was conducted following the 2003 hunting seasons to estimate hunter participation, harvest, and hunting effort. In 2003, an estimated about 743,000 hunters spent 10,421,000 days afield. Statewide, the number of people hunting deer and their hunting effort was nearly the same as reported in 2002. Hunters harvested nearly 500,000 deer, an increase of 5% from the number taken in 2002. Harvest of both antlerless deer and antlered bucks increased by about 5%. Statewide, 45% of hunters harvested a deer. About 24% of the hunters took an antlerless deer and 30% took an antlered buck. About 15% of deer hunters harvested two or more deer.

INTRODUCTION

The Michigan Department of Natural Resources (DNR) has the authority and responsibility to protect and manage the wildlife resources of the State of Michigan. Harvest surveys are one of the primary management tools used by the DNR to accomplish its statutory responsibility. Estimating hunter participation, harvest, and hunting effort are the primary objectives of these surveys. Estimates derived from harvest surveys as well as information from deer harvest check stations, deer pellet group surveys, reports of automobile accidents involving deer, and population modeling are used to monitor deer populations and establish harvest regulations.

During 2003, white-tailed deer (*Odocoileus virginianus*) could be harvested primarily during (1) youth, (2) archery, (3) early antlerless, (4) early antlerless in Deer Management Unit (DMU) 055, (5) regular firearm, (6) muzzleloader, and (7) late antlerless hunting seasons. In order to harvest a deer, hunters had to possess a hunting license (firearm, archery, combination, or antlerless license) (Table 1).

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A harvest tag was issued as part of the hunting license. Hunters could purchase a maximum of two harvest tags for taking an antlered deer (either one combination license or both firearm and archery licenses). Archery and firearm licenses included one harvest tag, while the combination license had two harvest tags. A firearm license allowed a person to take one deer with at least one antler 3 inches or longer (Table 1). An archery license allowed an individual to take one deer of either sex. A person with a combination license could take two deer of either sex during the archery season or two antlered deer during the firearm season (Table 1). If two antlered deer were taken, one of these deer needed to have at least one antler with four or more points (qualifying points must be at least 1 inch).

An antlerless license could be purchased in addition to archery, firearm, or combination licenses. Antlerless deer licenses allowed hunters to take deer without antlers or with antlers shorter than 3 inches during any season with equipment appropriate for the season. Use of each antlerless license was restricted to a single DMU designated at the time of purchase. Two harvest tags were issued with each antlerless deer license purchased for eight special regulation DMUs in the northeastern Lower Peninsula (within Alcona, Alpena, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle counties). Two harvest tags were issued to help achieve increased antlerless deer harvest in these units. One harvest tag was issued with each license purchased for all other DMUs. Antlerless licenses were available for most of the state except in portions of the Upper Peninsula (UP). Antlerless licenses were valid for either public or private lands. Public land antlerless licenses were not available in all DMUs. The number of licenses available in DMUs open to antlerless deer hunting was restricted by quota.

Antlerless licenses for use on public lands were allocated among people that applied for these licenses using a random drawing. In contrast, antlerless licenses for private lands could be purchased directly from a license vendor on a first-come, first-served basis. Hunters could purchase one antlerless license for private lands per day until the license quota had been met.

Deer Management Assistance (DMA) permits were special antlerless permits issued to landowners in areas experiencing severe crop damage, or areas where management objectives included controlling disease or the deer population. These permits allowed hunters to take an antlerless deer per permit during any deer season on the land where issued or adjacent private lands with the landowner's permission. To use these permits, the hunter must also have purchased a firearm, archery, combination, or antlerless deer license for the season in which they were hunting.

The youth season was held during September 27-28 on public and private lands statewide. Youths 12-16 years of age could take one deer using either a firearm license, combination license, antlerless license, or DMA permit. Youths participating during this season had to be accompanied by an adult at least 18 years old. All youths 12 and 13 years of age were restricted to archery-only hunting. Youth hunters could take no more than one deer during the season.

The archery season occurred statewide on public and private lands. This season was divided into an early and late season (i.e., October 1 to November 14 and December 1, 2003, to January 1, 2004). Archery licenses, antlerless licenses, combination licenses, and DMA permits could be used to take deer during the archery seasons using archery equipment.

The statewide regular firearm season occurred November 15-30. The muzzleloader season was held December 5-14 in the UP and December 12-21 in the LP. Hunters were allowed to take deer on both public and private lands with firearm and combination deer hunting licenses during the regular firearm and muzzleloader seasons. Antlerless licenses (including DMA permits) also could be used during the firearm seasons.

The late antlerless firearm season occurred from December 22, 2003, through January 1, 2004. Hunters pursuing deer during this season had to possess an unused antlerless license (including DMA permits) and were limited to hunting on private land. The area open to hunting during the late antlerless season was reduced from 52 to 19 counties in the LP during 2003.

In eight special regulation DMUs in the northeastern Lower Peninsula (within Alcona, Alpena, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle counties), an early firearm season for antlerless deer was held October 11-19. There also was an early antlerless firearm deer season in DMU 055 in the UP during September 20-26. Hunters participating during these early antlerless seasons had to possess an antlerless license, and hunting was restricted to private lands only.

METHODS

Following the 2003 deer hunting seasons, a questionnaire was sent to 52,725 randomly selected individuals who had purchased a hunting license (firearm, archery, antlerless, or combination deer hunting licenses). Hunters receiving the questionnaire were asked to report seasons in which they pursued deer, number of days spent afield, and number of deer harvested. Hunters were instructed not to report hunting effort and harvest associated with DMA permits because landowners obtaining these permits were required to report the number of deer harvested.

Estimates were based on information collected from random samples of hunting license buyers. Thus, these estimates were subject to sampling errors (Cochran 1977). Estimates were calculated using a stratified random sampling design (Cochran 1977) and were presented along with their 95% confidence limit (CL). In theory, this confidence limit can be added and subtracted from the estimate to calculate the 95% confidence interval. The confidence interval is a measure of the precision associated with the estimate and implies that the true value would be within this interval 95 times out of 100. Unfortunately, there are several other possible sources of error in surveys that are probably more serious than theoretical calculations of sampling error. They include failure of participants to provide answers (nonresponse bias), question wording, and question order. It is very difficult to measure these biases.

License buyers were assigned to one of four groups (strata). The first stratum consisted of people eligible only for the archery, regular firearm, and muzzleloader hunting seasons (N = 641,676). The second stratum consisted of people eligible to hunt during archery, regular firearm, muzzleloader, early antlerless, and late antlerless seasons (N = 116,789). Hunters in the third stratum were eligible to hunt during archery, regular firearm, muzzleloader, early antlerless, and late antlerless seasons, as well as the special early antlerless season in DMU 055 (N = 2,916). The fourth stratum consisted of people eligible to hunt during archery, regular firearm, muzzleloader, early antlerless, late antlerless, and youth seasons (N = 26,554). The random sample consisted of 37,242 people from the first stratum and 6,661 people from the second stratum. An additional 2,858 people were included from the third stratum, and 5,964 people were from the fourth stratum. The stratified sampling design accounted for the varying probabilities of being selected from the four strata so estimates could be reliably extrapolated from the sample to all license buyers.

Estimates were calculated separately by the area where the hunt occurred. The state was divided into eight areas that closely matched the DNR's wildlife management administrative units (Figure 1). The state was also divided into three ecological regions (UP, northern LP, and southern LP). These regions generally matched major ecoregions, except in the UP where two ecoregions were combined (Albert 1995). Ecoregions were regions having similar soils, vegetation, climate, geology, and physiography. Estimates were also calculated for each DMU (Figure 2, Appendix 1). Deer harvested from unknown locations were allocated among areas in proportion to the known harvest.

Questionnaires were initially mailed during mid-January 2004, and two follow-up questionnaires were mailed to nonrespondents. To increase the number of questionnaires returned, everybody that returned their questionnaire promptly was eligible to win a prize. Although 52,725 people were sent the questionnaire, 1,269 surveys were undeliverable resulting in an adjusted sample size of 51,456. Questionnaires were returned by 34,823 of 51,456 people receiving the questionnaire (68% response rate).

Estimates of harvest, hunting effort, and hunter participation are affected by the willingness of people to complete and return their questionnaires. This problem can confound comparisons of estimates made between years if response rates vary greatly. The percentage of people returning their questionnaire this year was lower than previous years. To reduce bias caused by this lower response rate, an adjustment was made on the 2003 estimates to make them comparable to the 2002 estimates (74% response rate). Estimates of harvest, hunting effort, and hunter numbers were reduced by 1.5, 1.5, and 0.6%, respectively, to make estimates comparable to 2002. These reductions reflected the average decline noted between estimates calculated when 68 and 74% of the responses were used in 2000 and 2001 surveys.

RESULTS

In 2003, 787,935 people purchased a license to hunt deer in Michigan. The number of people buying a license in 2003 declined less than 0.1% from 2002 (788,271 people purchased a license in 2002). Most of the people buying a license were male (92%),

although 8% of the licensees were female. The average age of the license buyers was 41 years (Figure 3).

The number of 2003 deer harvest tags sold for all license types combined decreased 0.2% since 2002 (Table 2). License buyers were issued an average of 2.3 harvest tags. About 87% of the license buyers obtained three or fewer harvest tags, and 98% had five or fewer harvest tags (Figure 4). Hunters most frequently obtained antlerless and combination harvest tags (Figure 5). About 51% of the license buyers purchased at least one antlerless license (399,485 people), and 97% of antlerless license buyers purchased three or fewer antlerless licenses (Figure 6).

The number of hunting licenses sold and harvest tags issued decreased slightly ($\leq$0.2%) in 2003 (Table 2). The decrease in harvest tags issued was smaller than the decline in license sales because a greater number of people purchased combination licenses in 2003, and these licenses had two harvest tags per license.

About 94.3 $\pm$ 0.2% (743,471 $\pm$ 1,888 hunters) of the people buying a license in 2003 actually spent time hunting deer (Table 3). Most hunters (683,951 $\pm$ 2,813) pursued deer during the regular firearm season (Figure 7). Statewide, the number of people hunting deer during all seasons combined was nearly unchanged (increased 0.4%). Hunter numbers declined by about 1% in the UP and in the northern LP, while the number of hunters in the southern LP increased by about 3% between 2002 and 2003.

Fewer people participated in the late antlerless season (-57%), while the number of people hunting in the archery, regular firearm, and early antlerless in DMU 055 seasons was nearly unchanged between 2002 and 2003 (Figure 8, Table 3). The decline during the late antlerless season occurred because fewer counties were open to hunting in 2003 (i.e., 52 versus 19 counties in 2003). Greater numbers of people hunted during the early antlerless (+8%), youth (+7%), and muzzleloader (+5%) seasons.

About 46% of the days that hunters spent pursuing deer throughout the state occurred in the regular firearm season (Figure 9). About 44% of the hunting effort occurred during the archery season. Nearly 10% of the hunting effort occurred in the muzzleloader and late antlerless seasons. Statewide, hunters devoted an average of 14.2 days afield hunting deer during all seasons combined (Table 4). Archers had the greatest number of days available to hunt deer (77 days) and devoted the greatest number of days afield ($\bar{x}$ = 14.8 days/hunter) (Figure 10, Table 4).

For all seasons and areas combined, hunting effort was virtually unchanged between 2002 and 2003 (Table 3). Hunting effort increased during the muzzleloader and youth seasons but declined during the late and early antlerless seasons. Hunting effort during the archery, regular firearm, and early antlerless in DMU 055 seasons was similar to levels reported in 2002.

Nearly 500,000 deer were harvested in 2003, an increase of nearly 5% from the number taken in 2002 (Figure 11, Tables 5-6). Statewide, the harvest of antlered bucks increased

6%, and the antlerless deer harvest increased 4% from last year (Table 5). Between 2002 and 2003, deer harvest increased during the muzzleloader (+46%), early antlerless (+25%), youth (+20%), archery (+8%), and regular firearm (+3%) seasons (Figure 12, Tables 5-6). Harvest declined in the late antlerless (-49%) and early antlerless in DMU 055 (-2%) seasons.

About 61% of the animals harvested (sexes combined) in 2003 were taken during the regular firearm season (Figure 13). Most of the antlerless deer (57%) and antlered bucks (66%) were harvested in the regular firearm season. Hunters took 26% of the harvested deer (sexes combined) during archery season. During the archery season, hunters took 24% of the antlerless deer and 28% of the antlered bucks harvested. Few antlered bucks (4%) were taken in the muzzleloader season. The muzzleloader and antlerless seasons accounted for 18% of the antlerless deer harvested.

About 86% of the animals harvested (sexes combined) in 2003 were taken on private lands (Table 7). Statewide, most of the antlerless deer (88%) and antlered bucks (83%) were harvested on private lands. Overall, harvest increased 6% between 2002 and 2003 on private lands but decreased 2% on public lands.

Statewide, 45% of the deer hunters harvested at least one deer (all deer seasons and sexes combined) in 2003 (Figure 14, Table 8). About 24% of the hunters took an antlerless deer, and 30% took an antlered buck. About 15% of deer hunters harvested two or more deer.

Hunters were most successful in taking a deer during the early antlerless season in DMU 055 (Figure 15, Table 9); 69% of the hunters in this early antlerless season took a deer. Hunter success was lowest in the muzzleloader season (19% successful). Hunter success ranged from 25 to 40% for the other seasons.

About 37% of the hunters harvested a deer (sexes combined) during the regular firearm season (Table 9). Nearly 24% of the hunters took an antlered buck and 17% harvested an antlerless deer during the regular firearm season.

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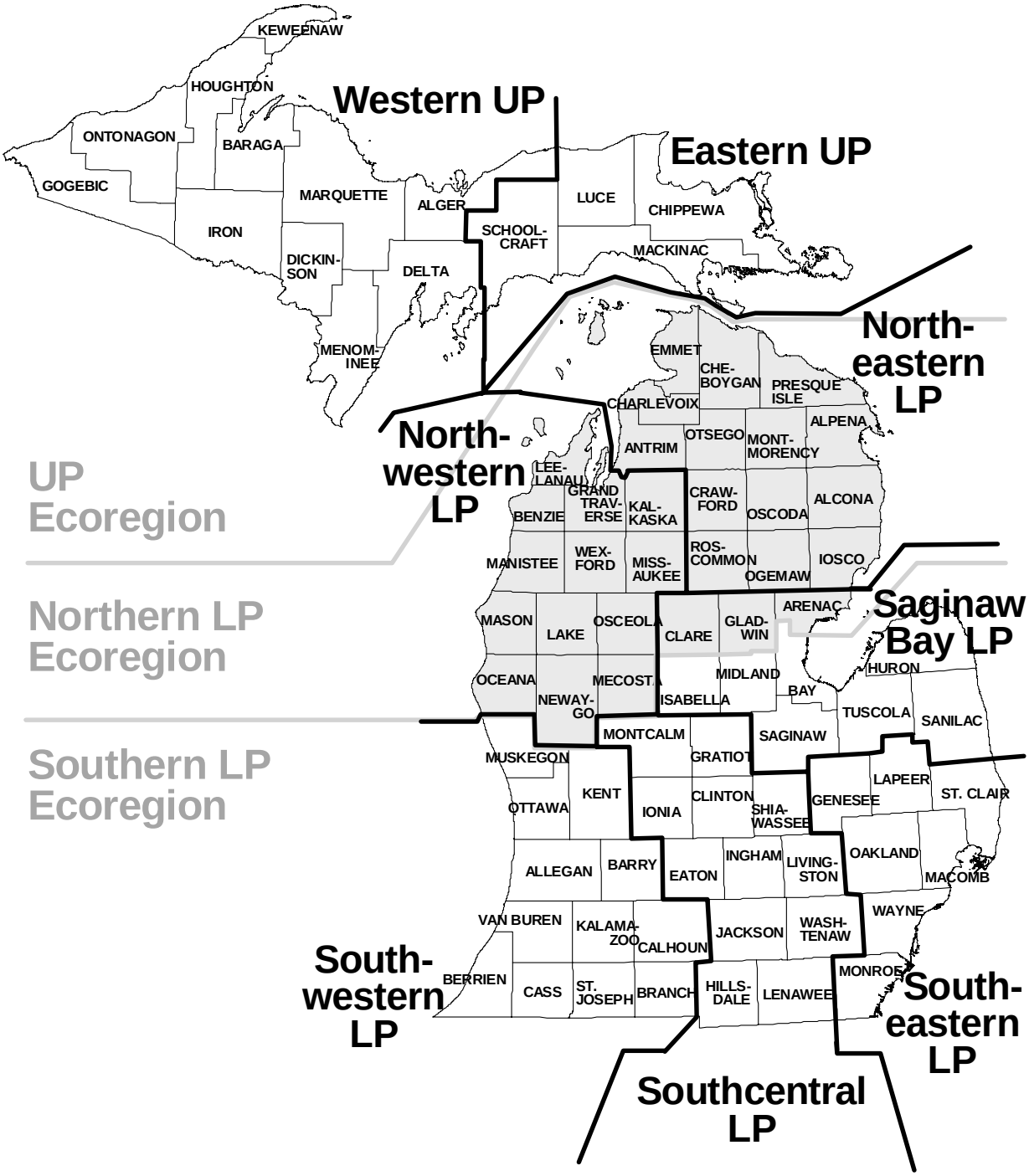

Figure 1. Areas used to summarize deer harvest in Michigan for the 2003 hunting seasons.

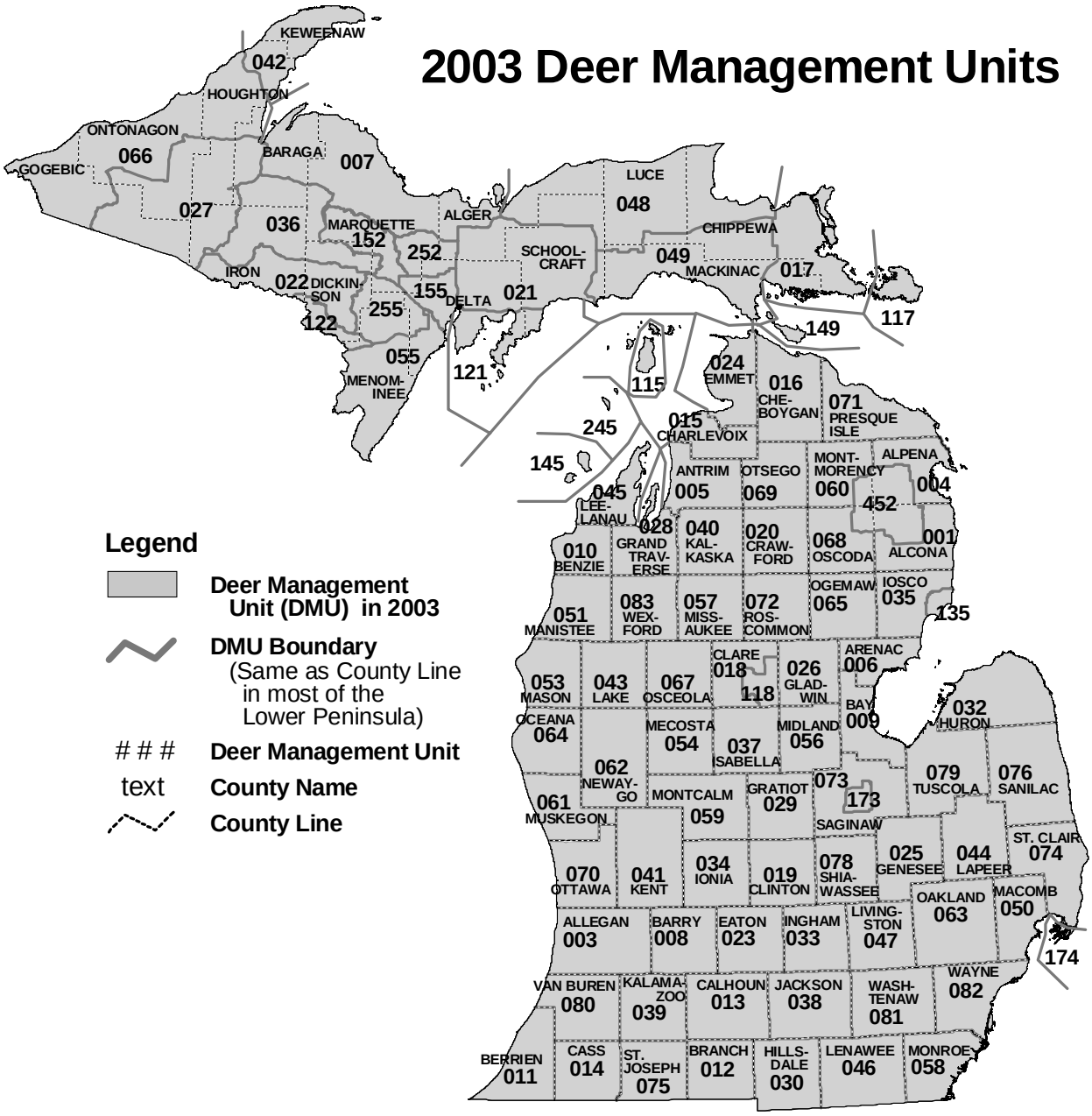

Figure 2. Deer Management Units in Michigan for the 2003 hunting seasons.

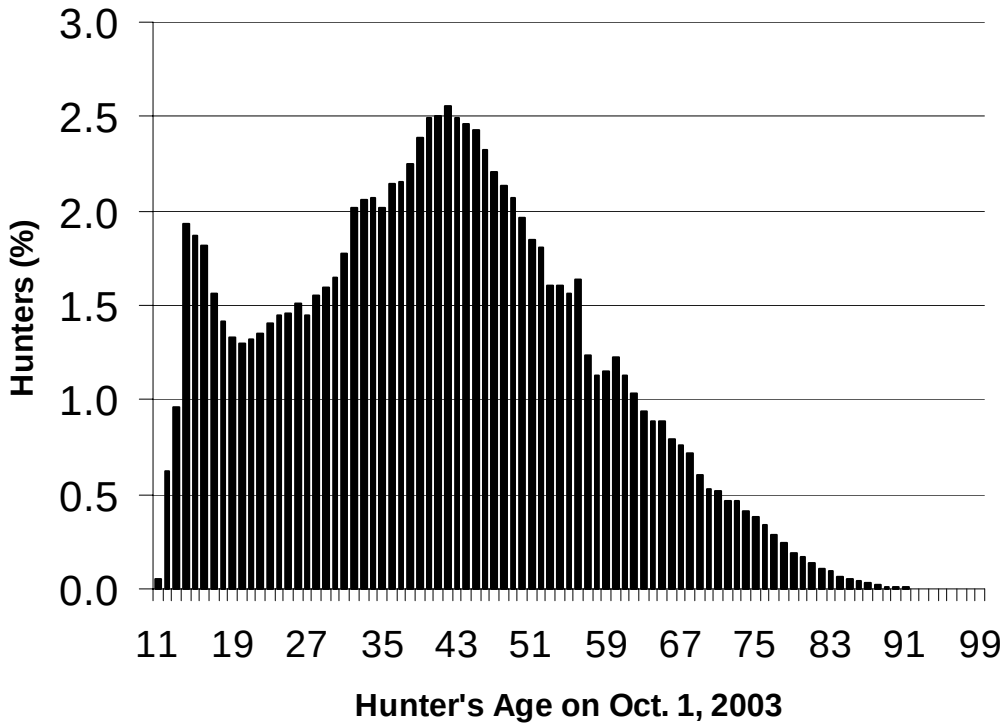

Figure 3. Age of people that purchased a deer hunting license in Michigan for the 2003 hunting seasons ($\bar{x}$ = 41 years).

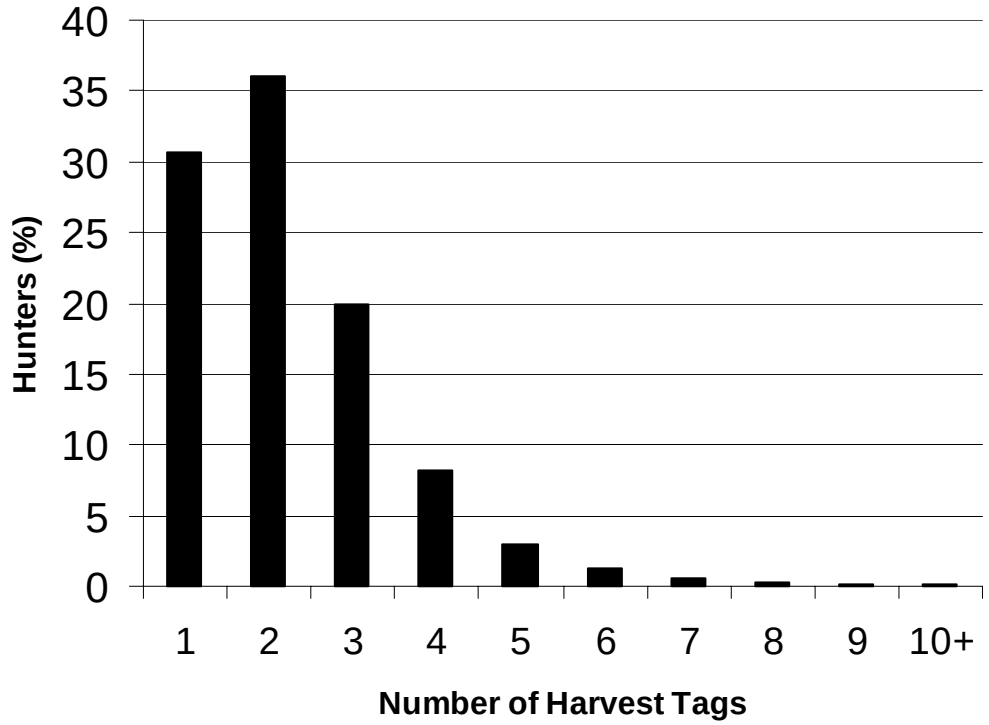

Figure 4. Number of harvest tags (all license and tag types) issued per person for hunting deer in Michigan during the 2003 hunting seasons ($\bar{x}$ = 2.3 tags). Licenses were purchased by 787,935 people.

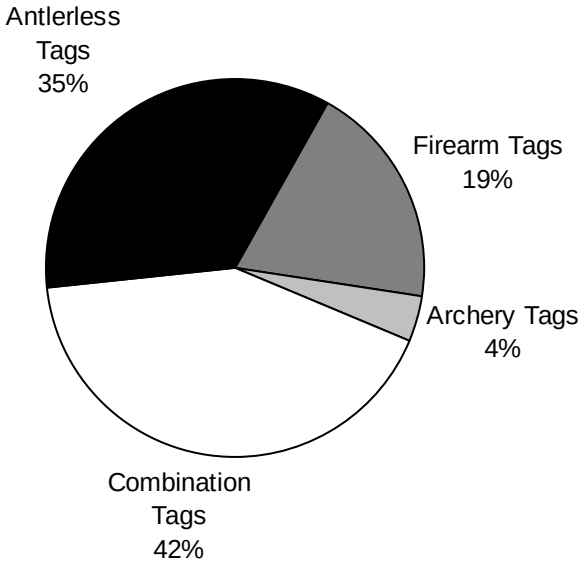

Figure 5. Types of harvest tags issued for deer hunting in Michigan during the 2003 hunting seasons.

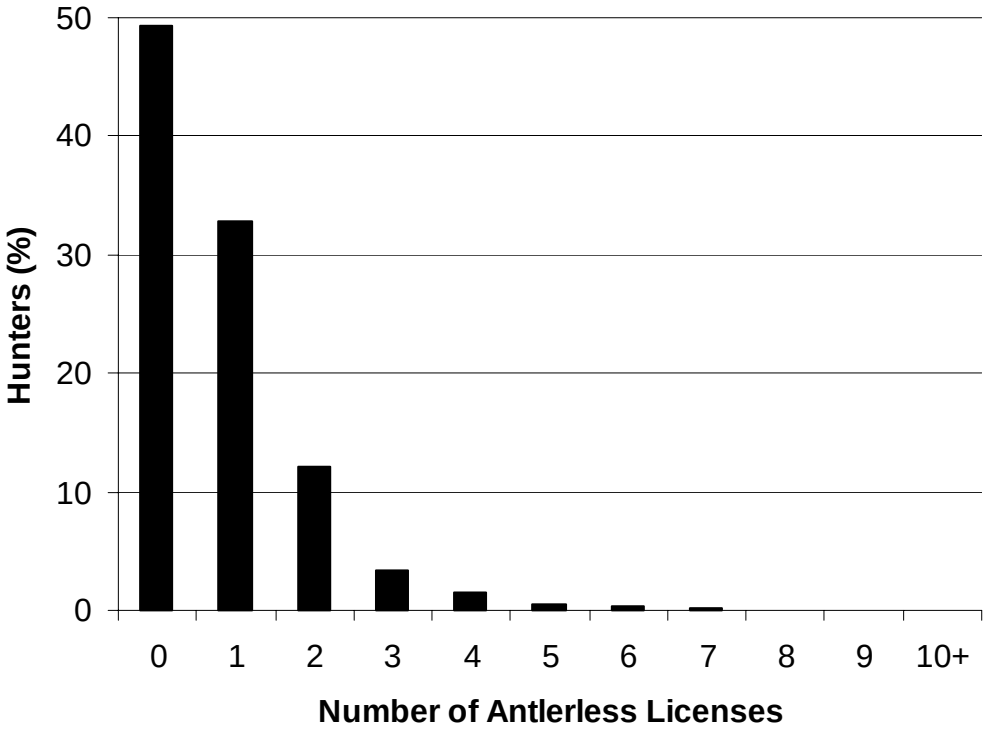

Figure 6. Percentage of deer hunting license buyers (all license types) purchasing an antlerless license in Michigan, 2003. Antlerless licenses were purchased by 399,485 of 787,935 people (51%) buying deer hunting licenses.

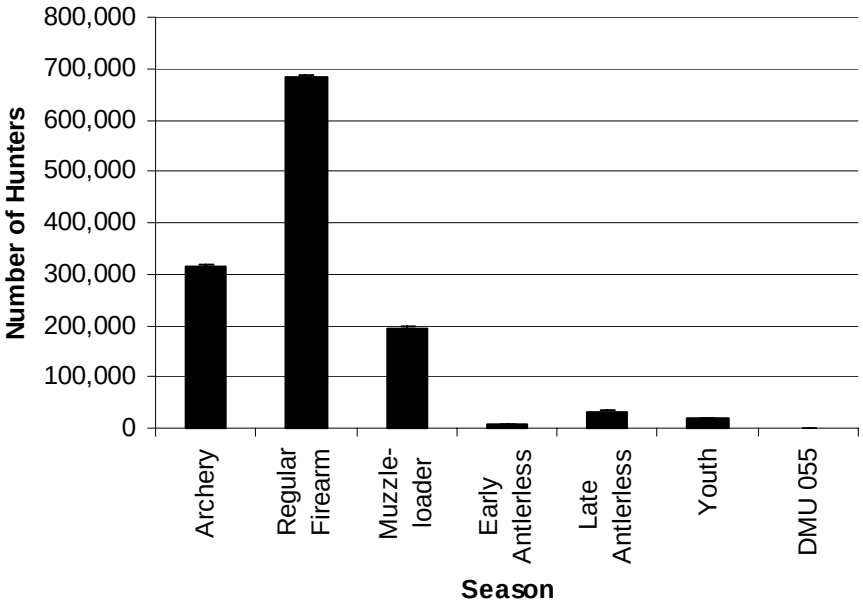

Figure 7. Number of people hunting deer in Michigan during the 2003 hunting seasons. Error bars represent the 95% confidence limits.

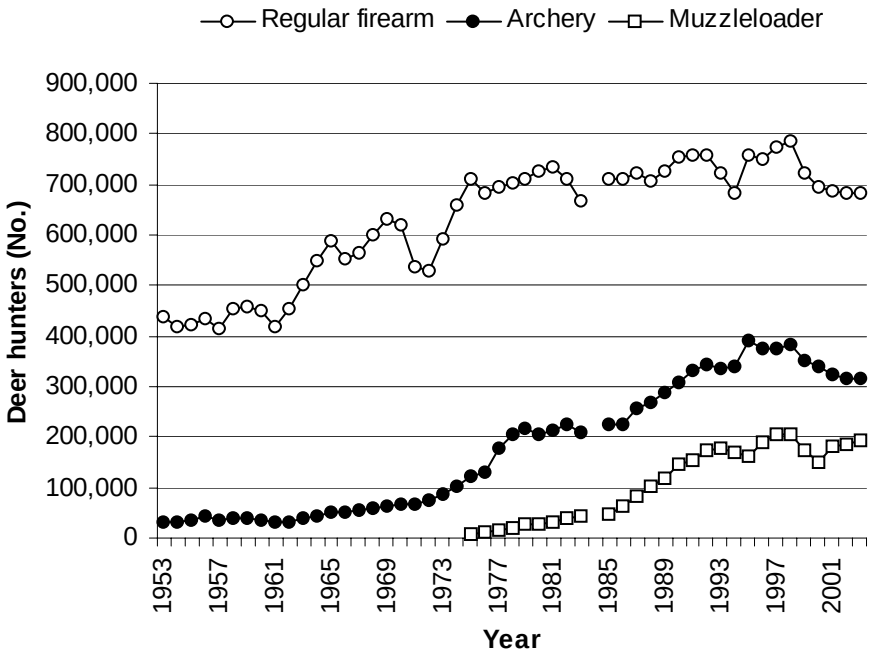

Figure 8. Number of people hunting deer in Michigan during the regular firearm, archery, and muzzleloader seasons, 1953-2003.

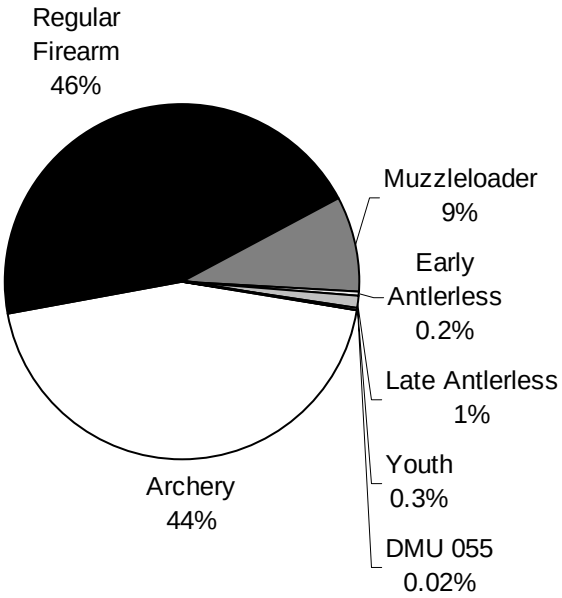

Figure 9. Distribution of hunting effort among deer hunting seasons in Michigan, 2003.

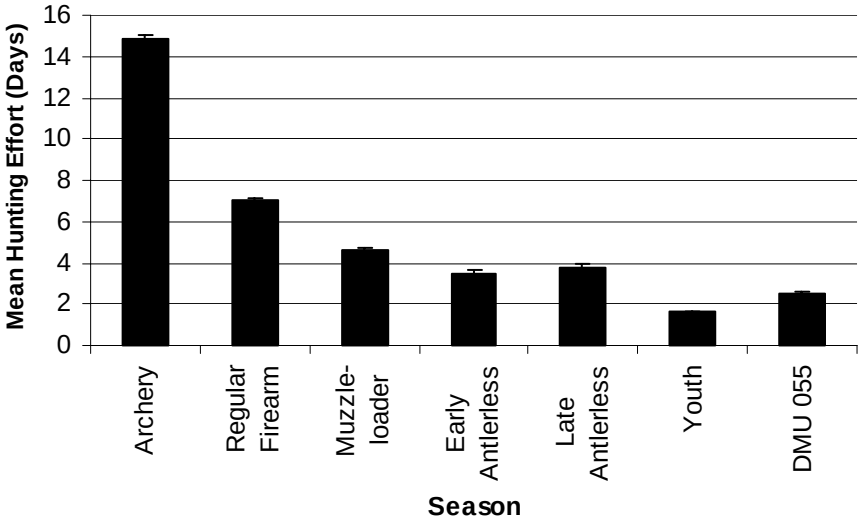

Figure 10. Mean number of days spent hunting deer in Michigan during the 2003 hunting seasons. Error bars represent the 95% confidence limits.

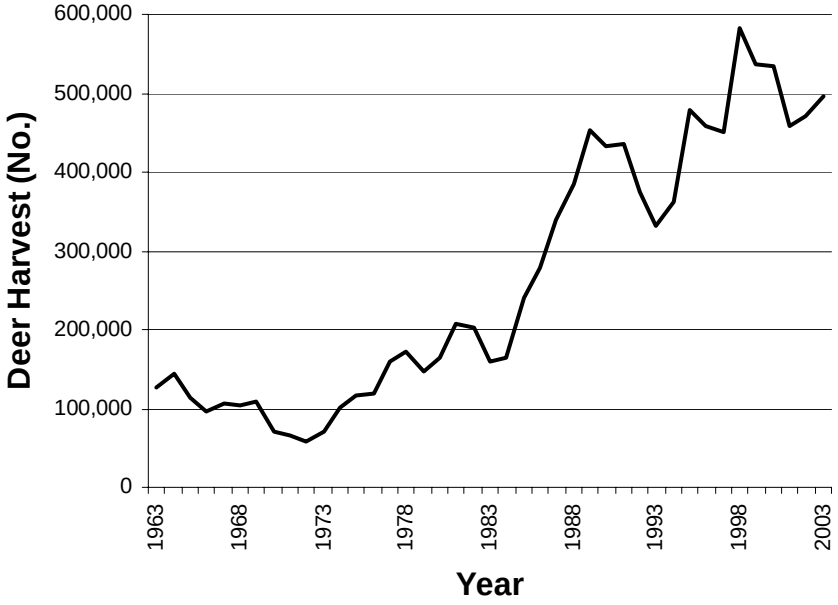

Figure 11. Number of deer harvested in Michigan's hunting seasons, 1963-2003. Harvest from all seasons and for all deer sexes was combined.

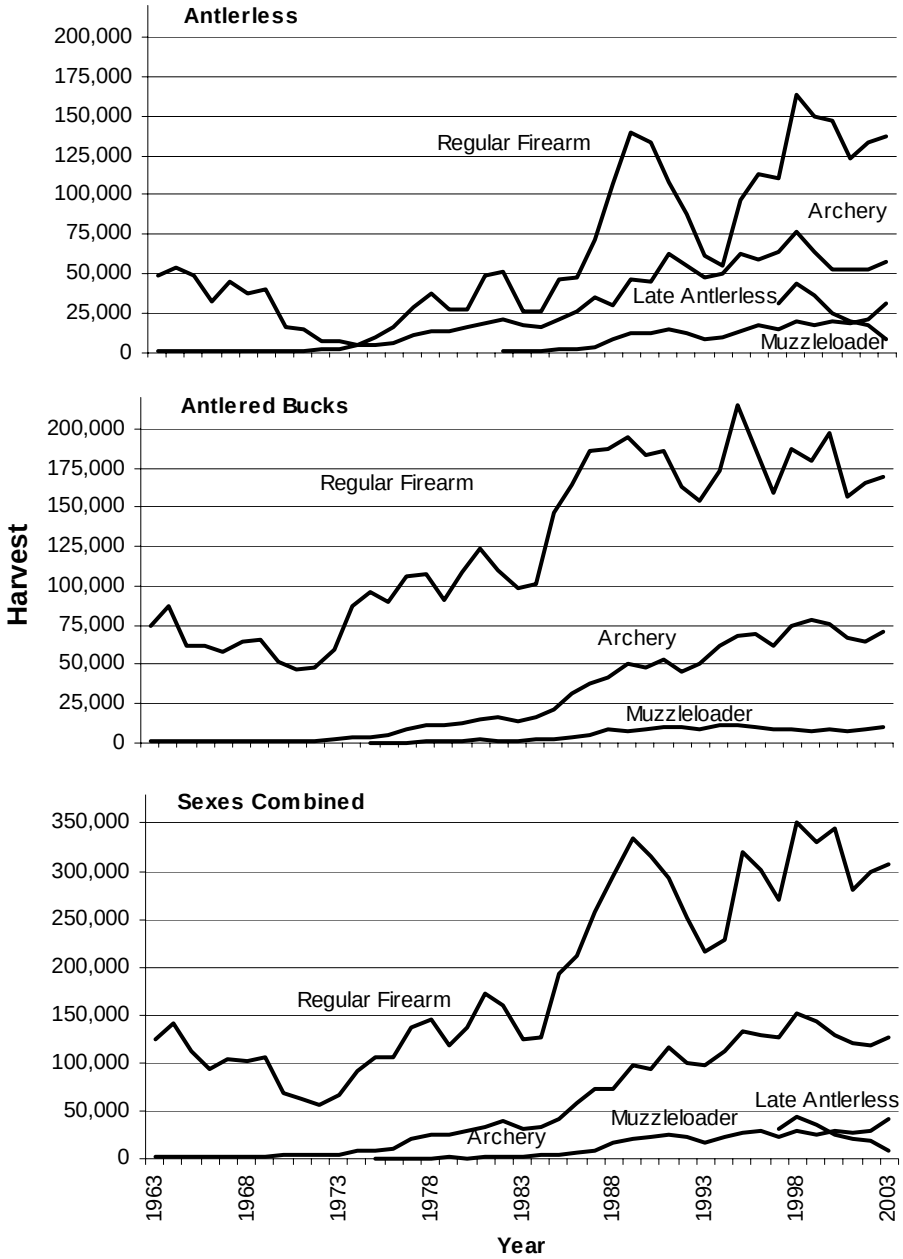

Figure 12. Number of deer harvested in Michigan's hunting seasons, 1963-2003. Harvests for early antlerless, early antlerless in DMU 055, and youth seasons were not shown.

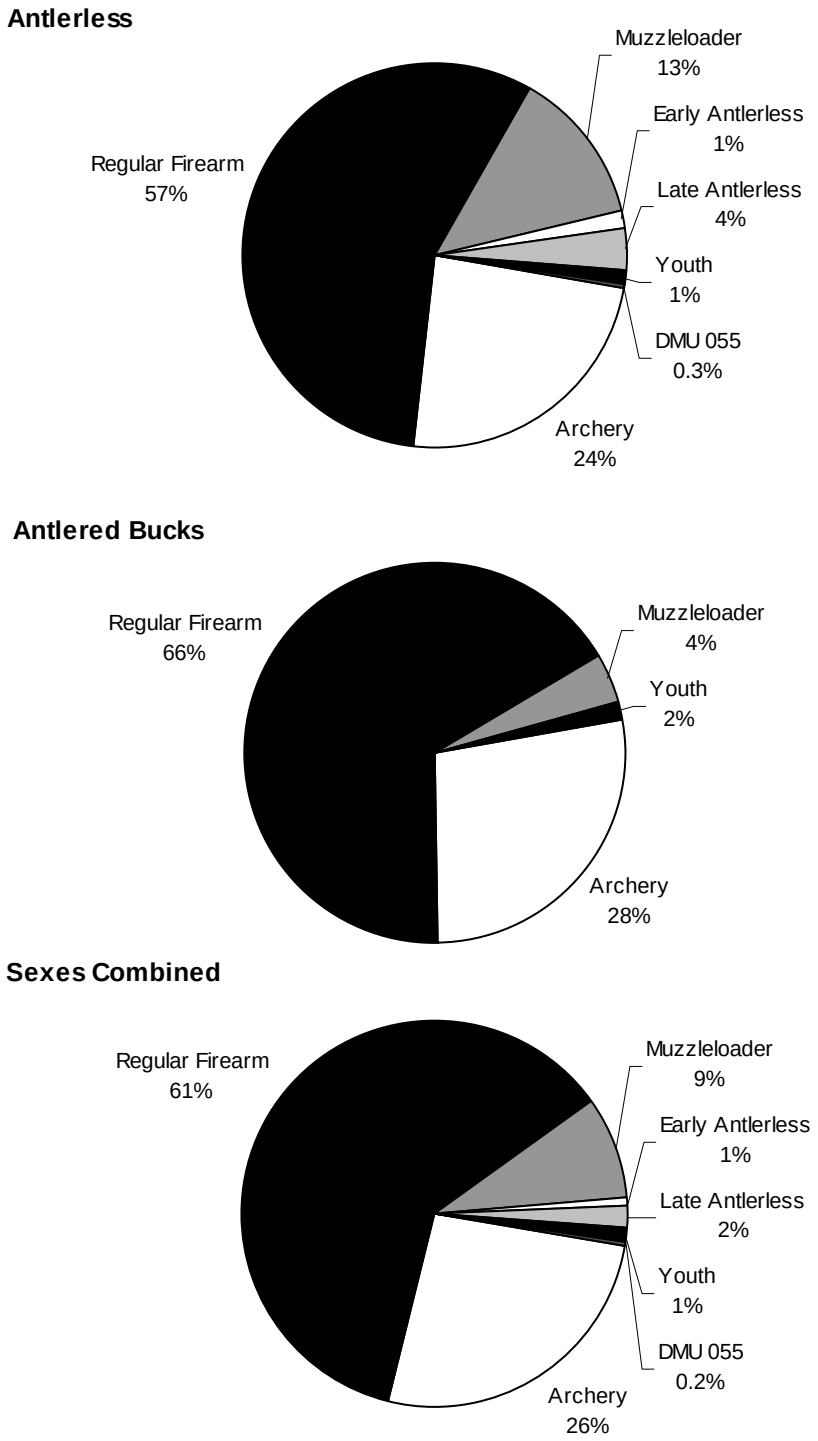

Figure 13. Distribution of harvest among deer hunting seasons in Michigan, 2003.

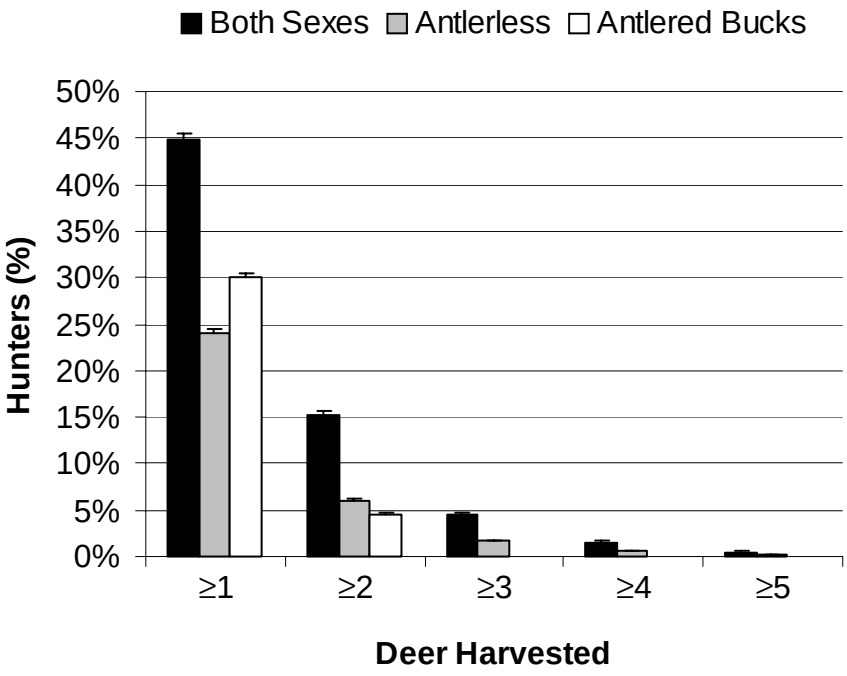

Figure 14. Percentage of hunters harvesting a deer in Michigan, 2003. Error bars represent the 95% confidence limits.

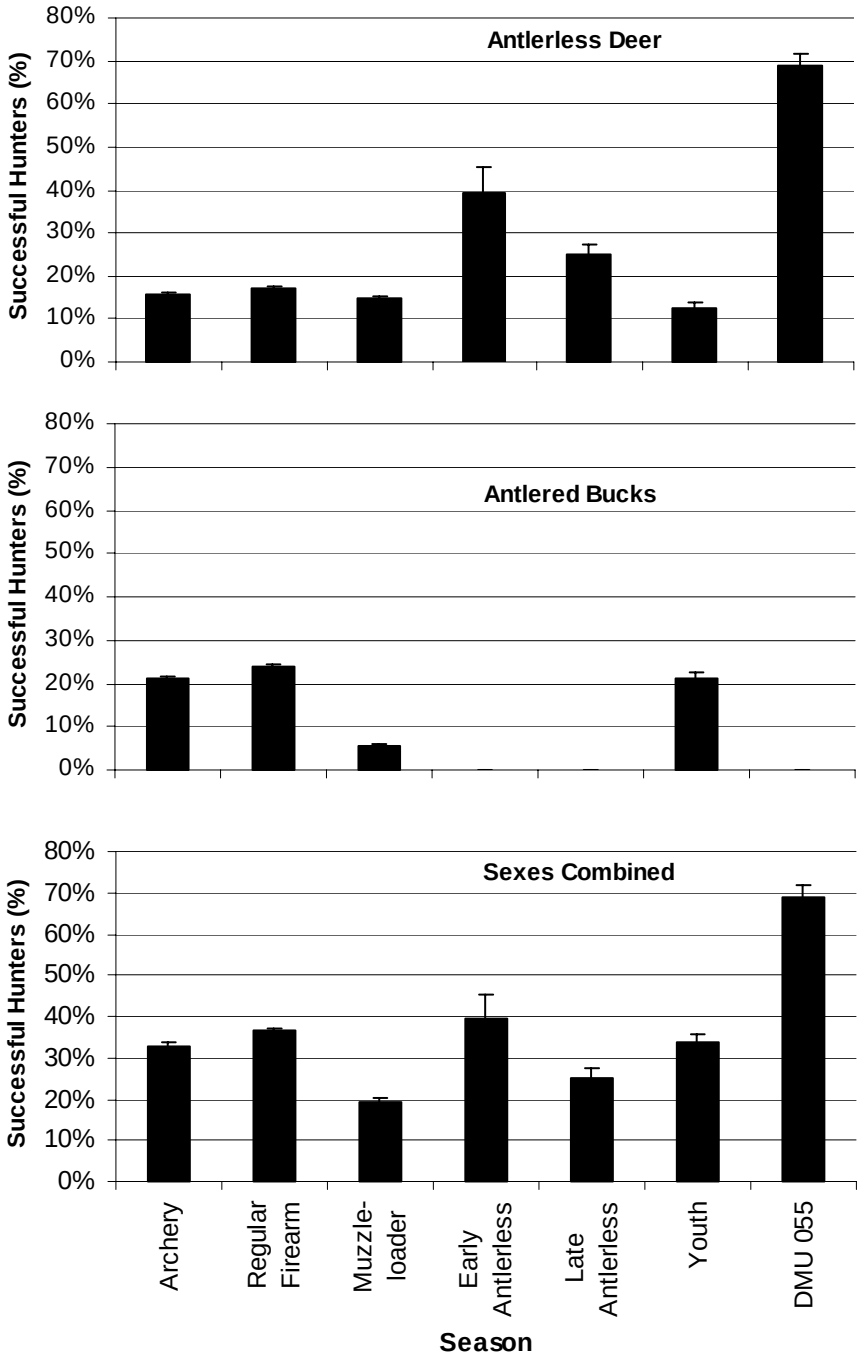

Figure 15. Percentage of hunters harvesting a deer in Michigan's deer hunting seasons, 2003. Error bars represent the 95% confidence limits.

Table 1. Kind of deer that could be taken during the hunting seasons for each combination of season and deer hunting license.

Type of license (harvest tag) or permit	Season	Kind of deer that could be harvested[a]
Archery License	Archery seasons	Antlerless or antlered deer[b]
Firearm License	Regular Firearm, Youth, or Muzzleloading seasons	Antlered deer only[b]
Combination License (Regular harvest tag)	Archery or Youth[c] seasons	Antlerless or antlered deer
Combination License (Regular harvest tag)	Regular Firearm, Youth, or Muzzleloading seasons	Antlered deer only
Combination License (Restricted harvest tag)	Archery seasons	Antlerless deer or a deer that has at least 1 antler with 4 or more antler points, 1 or more inches in length
Combination License (Restricted harvest tag)	Regular Firearm, Youth, or Muzzleloading seasons	A deer that has at least 1 antler with 4 or more antler points, 1 or more inches in length
Antlerless License	All seasons	Antlerless deer only
Deer Management Assistance (DMA) permit[d]	All seasons	Antlerless deer only

[a]Antlered deer had antlers at least 3 inches in length; antlerless deer included deer without antlers and deer with antlers less than 3 inches in length. Hunters could harvest a maximum of 2 antlered deer per year (all seasons combined); maximum antlerless limit varied by region of the state.

[b]If a person took 2 antlered deer during all seasons combined, one of the antlered deer must have had at least 1 antler with 4 or more antler points, 1 or more inches in length.

[c]Youth hunters that used archery equipment could harvest either an antlered or antlerless deer; all youths 12 and 13 years of age were restricted to archery-only hunting. Hunters could harvest only 1 deer in the Youth Season.

[d]Permits issued to landowners in areas experiencing severe crop damage or areas where management objectives included controlling diseases or severe deer overpopulation. To use these permits, the hunter must also have purchased a firearm, archery, combination, or antlerless deer license for the season in which they were hunting.

Table 2. Number of Michigan deer licenses purchased and harvest tags issued, 2001-2003.

Licenses or Harvest Tags	Number Purchased or Issued 2001	2002	2003	Change (%) Between 2002 and 2003
Firearm Licenses				
Resident	306,935	304,294	296,570	-2.5%
Non-resident	13,760	14,772	14,791	0.1%
Senior	32,816	32,461	32,719	0.8%
Military	28	24	27	12.5%
Subtotal	353,539	351,551	344,107	-2.1%
Archery Licenses				
Resident	62,028	54,136	51,724	-4.5%
Non-resident	3,569	3,228	3,122	-3.3%
Junior	9,789	9,254	8,946	-3.3%
Senior	3,238	2,962	3,182	7.4%
Military	26	29	19	-34.5%
Subtotal	78,650	69,609	66,993	-3.8%
Combination Licenses[a]				
Resident	304,799	299,140	309,319	3.4%
Non-resident	1,497	1,603	1,688	5.3%
Junior	31,146	30,852	33,040	7.1%
Senior	25,734	25,813	27,650	7.1%
Military	131	137	157	14.6%
Subtotal	363,307	357,545	371,854	4.0%
Antlerless Licenses[b]				
Resident	582,775	597,721	575,077	-3.8%
Non-resident	5,986	5,312	4,930	-7.2%
Junior	11,475	4,890	4,941	1.0%
Military			23	
Deer Management Assistance[c]	9,814	6,312	6,434	1.9%
Subtotal	610,050	614,235	591,405	-3.7%
Total Licenses Sold	1,405,546	1,392,940	1,374,359	-1.3%
Harvest Tags Issued				
Firearm	353,539	351,551	344,107	-2.1%
Archery	78,650	69,609	66,993	-3.8%
Combination	726,614	715,090	743,708	4.0%
Antlerless	610,050	653,446	631,734	-3.3%
Total Harvest Tags	1,768,853	1,789,696	1,786,542	-0.2%

[a]Combination licenses included two harvest tags. Most other license types had one harvest tag.
[b]In 2003, two harvest tags were issued with 40,329 antlerless licenses sold for eight management units in NE Lower Peninsula.
[c]Prior to 2002, Block Permits were included with DMA permits.

Table 3. Number of deer hunters and hunting effort in Michigan by hunting season, 2002-2003.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2002	2003	95% CL[b]	Change from 2002 to 2003	2002	2003	95% CL[b]	Change from 2002 to 2003
Archery								
West UP	24,735	24,034	1,452	-2.8%	267,459	272,535	22,063	1.9%
East UP	9,734	8,309	880	-14.6%	102,581	83,977	12,206	-18.1%
NE LP	49,006	48,205	2,066	-1.6%	508,238	480,367	28,067	-5.5%
NW LP	66,409	66,731	2,377	0.5%	796,552	811,884	39,141	1.9%
Sag. Bay	58,247	57,399	2,225	-1.5%	755,001	744,319	38,141	-1.4%
SW LP	52,795	52,156	2,111	-1.2%	748,673	782,368	40,811	4.5%
SC LP	64,327	63,965	2,335	-0.6%	930,039	949,983	44,835	2.1%
SE LP	35,664	35,403	1,785	-0.7%	469,500	473,737	31,586	0.9%
UP	34,125	32,124	2,956	-5.9%	370,039	356,512	25,214	-3.7%
NLP	132,572	131,308	4,161	-1.0%	1,548,048	1,509,844	51,963	-2.5%
SLP	182,680	181,889	4,106	-0.4%	2,659,955	2,732,815	75,813	2.7%
Statewide[c]	317,295	314,961	4,198	-0.7%	4,578,043	4,599,171	95,631	0.5%
Regular Firearm								
West UP	83,698	82,208	2,592	-1.8%	615,778	606,131	22,544	-1.6%
East UP	30,789	29,940	1,651	-2.8%	207,286	203,292	12,954	-1.9%
NE LP	131,424	130,686	3,206	-0.6%	800,009	791,349	24,496	-1.1%
NW LP	144,588	141,433	3,269	-2.2%	879,609	852,111	25,179	-3.1%
Sag. Bay	101,959	101,181	2,871	-0.8%	613,645	614,456	21,657	0.1%
SW LP	97,572	100,577	2,806	3.1%	646,725	679,481	23,552	5.1%
SC LP	113,213	117,566	3,046	3.8%	725,553	752,159	24,290	3.7%
SE LP	42,674	44,589	1,991	4.5%	252,744	262,128	14,070	3.7%
UP	113,390	111,412	1,677	-1.7%	823,064	809,423	26,001	-1.7%
NLP	306,222	300,924	3,196	-1.7%	1,888,921	1,839,867	37,102	-2.6%
SLP	309,088	319,370	3,588	3.3%	2,029,364	2,111,817	40,856	4.1%
Statewide[c]	684,036	683,951	2,813	0.0%	4,741,349	4,761,106	61,274	0.4%

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2003 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.

Table 3 (continued). Number of deer hunters and hunting effort in Michigan by hunting season, 2002-2003.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2002	2003	95% CL[b]	Change from 2002 to 2003	2002	2003	95% CL[b]	Change from 2002 to 2003
Muzzleloader								
West UP	15,475	17,193	1,234	11.1%	78,705	85,599	6,847	8.8%
East UP	7,092	6,958	812	-1.9%	32,552	32,901	4,250	1.1%
NE LP	24,787	24,378	1,496	-1.7%	104,201	99,301	6,944	-4.7%
NW LP	29,036	30,244	1,653	4.2%	119,750	126,433	7,862	5.6%
Sag. Bay	30,439	32,188	1,707	5.7%	121,466	130,007	8,035	7.0%
SW LP	34,186	36,867	1,808	7.8%	143,732	166,745	9,279	16.0%
SC LP	37,209	41,161	1,914	10.6%	151,006	174,643	9,371	15.7%
SE LP	16,907	17,988	1,291	6.4%	63,827	74,450	6,116	16.6%
UP	22,459	23,966	1,460	6.7%	111,257	118,500	8,059	6.5%
NLP	61,152	62,505	2,331	2.2%	257,075	260,039	11,271	1.2%
SLP	107,315	115,922	3,020	8.0%	446,907	511,540	16,090	14.5%
Statewide[c]	185,106	194,809	3,698	5.2%	815,239	890,079	21,356	9.2%
Early Antlerless								
West UP	0	0	0		0	0	0	
East UP	0	0	0		0	0	0	
NE LP	5,481	5,944	735	8.4%	21,976	20,062	2,941	-8.7%
NW LP	0	0	0		0	0	0	
Sag. Bay	0	0	0		0	0	0	
SW LP	0	0	0		0	0	0	
SC LP	0	0	0		0	0	0	
SE LP	0	0	0		0	0	0	
UP	0	0	0		0	0	0	
NLP	5,481	5,944	735	8.4%	21,976	20,062	2,941	-8.7%
SLP	0	0	0		0	0	0	
Statewide[c]	5,481	5,944	735	8.4%	21,976	20,062	2,941	-8.7%

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2003 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.

Table 3 (continued). Number of deer hunters and hunting effort in Michigan by hunting season, 2002-2003.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2002	2003	95% CL[b]	Change from 2002 to 2003	2002	2003	95% CL[b]	Change from 2002 to 2003
Late Antlerless								
West UP	0	0	0		0	0	0	
East UP	0	0	0		0	0	0	
NE LP	8,813	4,893	669	-44.5%	31,177	17,110	2,840	-45.1%
NW LP	11,986	0	0	-100.0%	41,679	0	0	-100.0%
Sag. Bay	11,628	1,927	423	-83.4%	39,257	6,446	1,707	-83.6%
SW LP	20,074	13,781	1,077	-31.3%	70,466	50,729	4,933	-28.0%
SC LP	16,171	9,489	914	-41.3%	56,532	34,421	4,111	-39.1%
SE LP	6,577	2,682	501	-59.2%	23,054	9,557	2,153	-58.5%
UP	0	0	0		0	0	0	
NLP	22,522	4,893	669	-78.3%	78,720	17,110	2,840	-78.3%
SLP	52,042	27,667	1,426	-46.8%	183,446	101,153	6,985	-44.9%
Statewide[c]	75,425	32,799	1,510	-56.5%	262,166	118,263	7,564	-54.9%
Youth								
West UP	766	848	138	10.7%	1,337	1,435	244	7.3%
East UP	329	224	72	-31.8%	539	355	119	-34.1%
NE LP	1,719	2,009	212	16.9%	2,940	3,499	394	19.0%
NW LP	3,584	3,810	278	6.3%	6,216	6,138	498	-1.3%
Sag. Bay	3,314	3,526	266	6.4%	5,560	5,845	488	5.1%
SW LP	2,657	3,010	257	13.3%	4,338	4,944	462	14.0%
SC LP	3,427	3,978	283	16.1%	5,501	6,472	515	17.7%
SE LP	1,486	1,275	167	-14.2%	2,377	1,999	279	-15.9%
UP	1,095	1,072	154	-2.1%	1,876	1,790	272	-4.6%
NLP	6,322	6,716	347	6.2%	10,913	11,127	682	2.0%
SLP	9,770	10,830	394	10.8%	16,018	17,770	857	10.9%
Statewide[c]	17,238	18,520	376	7.4%	28,807	30,687	1,129	6.5%

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2003 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.

Table 3 (continued). Number of deer hunters and hunting effort in Michigan by hunting season, 2002-2003.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2002	2003	95% CL[b]	Change from 2002 to 2003	2002	2003	95% CL[b]	Change from 2002 to 2003
Early Antlerless in DMU 055								
West UP	752	753	57	0.1%	1,847	1,841	128	-0.3%
East UP	0	0	0		0	0	0	
NE LP	0	0	0		0	0	0	
NW LP	0	0	0		0	0	0	
Sag. Bay	0	0	0		0	0	0	
SW LP	0	0	0		0	0	0	
SC LP	0	0	0		0	0	0	
SE LP	0	0	0		0	0	0	
UP	752	753	57	0.1%	1,847	1,841	128	-0.3%
NLP	0	0	0		0	0	0	
SLP	0	0	0		0	0	0	
Statewide[c]	752	753	57	0.1%	1,847	1,841	128	-0.3%
All Seasons								
West UP	93,136	92,096	2,721	-1.1%	964,533	967,185	39,839	0.3%
East UP	35,419	34,533	1,766	-2.5%	342,799	320,400	23,126	-6.5%
NE LP	147,479	147,547	3,355	0.0%	1,467,376	1,411,342	49,010	-3.8%
NW LP	164,463	161,860	3,432	-1.6%	1,843,914	1,796,642	59,946	-2.6%
Sag. Bay	121,152	120,383	3,079	-0.6%	1,535,460	1,501,249	57,254	-2.2%
SW LP	114,659	115,295	2,964	0.6%	1,613,963	1,684,378	63,873	4.4%
SC LP	133,214	137,504	3,238	3.2%	1,869,246	1,917,917	67,295	2.6%
SE LP	59,175	61,456	2,305	3.9%	812,135	822,096	44,287	1.2%
UP	126,869	125,118	3,096	-1.4%	1,307,332	1,287,585	46,065	-1.5%
NLP	343,675	339,398	4,233	-1.2%	3,804,836	3,657,823	82,895	-3.9%
SLP	365,743	374,973	4,175	2.5%	5,337,258	5,475,801	113,893	2.6%
Statewide[c]	740,529	743,471	1,888	0.4%	10,449,426	10,421,209	148,779	-0.3%

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2003 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.

Table 4. Mean number of days hunters spent hunting deer in Michigan by hunting season, 2003.[a]

	Season															
	Archery		Regular Firearm		Muzzle-loader		Early Antlerless		Late Antlerless		Youth		Early Antlerless in DMU 055		All Seasons	
Area	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]
West UP	11.3	0.6	7.4	0.1	5.0	0.2	0.0	0.0	0.0	0.0	1.7	0.1	2.5	0.1	10.5	0.3
East UP	10.2	1.0	6.8	0.2	4.7	0.3	0.0	0.0	0.0	0.0	1.6	0.2	0.0	0.0	9.3	0.5
NE LP	10.1	0.4	6.1	0.1	4.1	0.1	3.4	0.3	3.7	0.3	1.7	0.0	0.0	0.0	9.6	0.2
NW LP	12.3	0.4	6.1	0.1	4.3	0.1	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	11.2	0.3
Sag. Bay	13.1	0.4	6.1	0.1	4.1	0.1	0.0	0.0	3.6	0.5	1.7	0.0	0.0	0.0	12.5	0.3
SW LP	15.2	0.5	6.8	0.1	4.6	0.1	0.0	0.0	3.8	0.2	1.6	0.0	0.0	0.0	14.7	0.4
SC LP	15.0	0.5	6.4	0.1	4.3	0.1	0.0	0.0	3.8	0.2	1.6	0.0	0.0	0.0	14.0	0.4
SE LP	13.5	0.6	5.9	0.2	4.2	0.2	0.0	0.0	3.7	0.4	1.6	0.1	0.0	0.0	13.4	0.5
UP	11.1	0.5	7.3	0.1	5.0	0.2	0.0	0.0	0.0	0.0	1.7	0.1	2.5	0.1	10.3	0.3
NLP	11.6	0.3	6.2	0.1	4.2	0.1	3.4	0.3	3.7	0.3	1.7	0.0	0.0	0.0	10.8	0.2
SLP	15.2	0.3	6.7	0.1	4.5	0.1	0.0	0.0	3.8	0.1	1.6	0.0	0.0	0.0	14.7	0.2
Statewide	14.8	0.2	7.1	0.0	4.7	0.1	3.4	0.3	3.8	0.1	1.7	0.0	2.5	0.1	14.2	0.2

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit.

Table 5. Number of deer harvested in Michigan, 2001-2003.

Season or permit	Type of deer	2001	2002	2003	Change from 2002 to 2003
Season					
Archery	Antlerless	52,942	53,258	57,299	7.6%
	Antlered bucks	66,975	64,517	70,292	9.0%
	Sexes combined	119,918	117,775	127,592	8.3%
Regular firearm	Antlerless	123,440	133,524	136,625	2.3%
	Antlered bucks	157,388	165,412	169,720	2.6%
	Sexes combined	280,828	298,936	306,345	2.5%
Muzzleloader	Antlerless	18,230	20,792	31,684	52.4%
	Antlered bucks	7,929	8,233	10,589	28.6%
	Sexes combined	26,159	29,026	42,273	45.6%
Early antlerless	Antlerless	5,232	2,307	2,875	24.7%
Late antlerless	Antlerless	20,421	17,876	9,165	-48.7%
Youth	Antlerless	1,754	2,004	2,325	16.0%
	Antlered bucks	2,978	3,142	3,872	23.2%
	Sexes combined	4,733	5,146	6,197	20.4%
DMU 055	Antlerless	698	811	798	-1.6%
Special permits[a]	Antlerless	5,717	4,338	4,502	3.8%
Grand Total	Antlerless	228,435	234,911	245,274	4.4%
	Antlered bucks	235,271	241,304	254,473	5.5%
	Sexes combined	463,706	476,215	499,747	4.9%

[a]Includes deer harvested with DMA permits. These permits could be used during any deer hunting season.

Table 6. Number of deer harvested in Michigan by hunting season, 2002-2003.[a]

Season and Area	Antlerless 2002 Harvest	Antlerless 2003 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2002 to 2003	Antlered Bucks 2002 Harvest	Antlered Bucks 2003 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2002 to 2003	Sexes Combined 2002 Harvest	Sexes Combined 2003 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2002 to 2003
Archery												
West UP	5,559	5,812	802	4.6%	3,816	4,482	657	17.4%	9,371	10,286	1,099	9.8%
East UP	1,159	1,645	416	41.9%	883	1,048	315	18.7%	2,042	2,690	540	31.8%
NE LP	4,917	6,848	926	39.3%	4,631	5,952	755	28.5%	9,546	12,792	1,284	34.0%
NW LP	10,673	8,884	1,032	-16.8%	9,976	10,055	999	0.8%	20,645	18,937	1,528	-8.3%
Sag. Bay	8,586	10,049	1,117	17.0%	11,495	12,311	1,145	7.1%	20,082	22,360	1,727	11.3%
SW LP	7,532	7,939	984	5.4%	10,937	12,490	1,166	14.2%	18,471	20,438	1,663	10.6%
SC LP	9,959	10,243	1,116	2.9%	16,554	16,828	1,327	1.7%	26,519	27,084	1,914	2.1%
SE LP	4,873	5,879	874	20.6%	6,225	7,126	880	14.5%	11,099	13,005	1,378	17.2%
UP	6,718	7,457	903	11.0%	4,700	5,530	728	17.7%	11,413	12,976	1,225	13.7%
NLP	18,471	19,397	1,557	5.0%	17,702	19,268	1,383	8.8%	36,166	38,651	2,217	6.9%
SLP	28,069	30,445	1,929	8.5%	42,116	45,495	2,205	8.0%	70,196	75,965	3,222	8.2%
Statewide	53,258	57,299	2,651	7.6%	64,517	70,292	2,707	9.0%	117,775	127,592	4,109	8.3%
Regular Firearm												
West UP	11,977	11,206	1,105	-6.4%	24,661	23,434	1,493	-5.0%	36,647	34,639	1,979	-5.5%
East UP	2,688	2,210	501	-17.8%	4,272	5,552	733	30.0%	6,961	7,762	918	11.5%
NE LP	16,628	18,956	1,482	14.0%	23,975	26,078	1,608	8.8%	40,606	45,034	2,340	10.9%
NW LP	26,931	23,075	1,642	-14.3%	26,596	25,443	1,585	-4.3%	53,521	48,518	2,472	-9.3%
Sag. Bay	19,177	21,434	1,696	11.8%	24,475	26,122	1,643	6.7%	43,653	47,557	2,570	8.9%
SW LP	23,791	24,488	1,786	2.9%	24,576	22,926	1,532	-6.7%	48,362	47,414	2,605	-2.0%
SC LP	26,204	29,119	1,958	11.1%	29,604	31,280	1,803	5.7%	55,805	60,399	2,932	8.2%
SE LP	6,128	6,135	805	0.1%	7,253	8,886	944	22.5%	13,381	15,021	1,349	12.3%
UP	14,665	13,416	1,214	-8.5%	28,933	28,986	1,663	0.2%	43,608	42,401	2,181	-2.8%
NLP	49,140	47,675	2,352	-3.0%	57,838	58,852	2,423	1.8%	106,975	106,528	3,632	-0.4%
SLP	69,720	75,533	3,148	8.3%	78,641	81,882	2,901	4.1%	148,353	157,416	4,712	6.1%
Statewide	133,524	136,625	4,128	2.3%	165,412	169,720	4,144	2.6%	298,936	306,345	6,360	2.5%

[a]Harvest estimates do not include deer taken with DMA permits. An additional 4,502 deer were taken with these permits.
[b]95% confidence limit for the 2003 estimate.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 2002-2003.[a]

Season and Area	Antlerless 2002 Harvest	Antlerless 2003 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2002 to 2003	Antlered Bucks 2002 Harvest	Antlered Bucks 2003 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2002 to 2003	Sexes Combined 2002 Harvest	Sexes Combined 2003 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2002 to 2003
Muzzleloader												
West UP	2,298	3,086	590	34.2%	1,371	1,449	359	5.7%	3,665	4,535	702	23.8%
East UP	551	754	283	36.7%	345	451	206	30.6%	895	1,205	364	34.6%
NE LP	1,676	3,168	576	89.0%	991	981	312	-1.0%	2,664	4,150	670	55.8%
NW LP	3,158	4,151	669	31.4%	796	1,006	307	26.5%	3,959	5,157	753	30.3%
Sag. Bay	3,333	5,257	745	57.7%	754	1,700	404	125.5%	4,092	6,957	876	70.0%
SW LP	3,781	6,083	837	60.9%	1,827	2,277	464	24.7%	5,604	8,361	975	49.2%
SC LP	4,899	7,236	930	47.7%	1,476	1,933	431	30.9%	6,380	9,169	1,042	43.7%
SE LP	1,096	1,949	475	77.9%	673	791	273	17.5%	1,766	2,740	571	55.1%
UP	2,850	3,839	655	34.7%	1,716	1,900	414	10.7%	4,560	5,740	790	25.9%
NLP	5,659	8,580	951	51.6%	2,026	2,549	499	25.8%	7,687	11,129	1,104	44.8%
SLP	12,284	19,265	1,490	56.8%	4,491	6,139	763	36.7%	16,779	25,404	1,711	51.4%
Statewide	20,792	31,684	1,894	52.4%	8,233	10,589	1,005	28.6%	29,026	42,273	2,193	45.6%
Early Antlerless												
West UP	0	0	0		0	0	0		0	0	0	
East UP	0	0	0		0	0	0		0	0	0	
NE LP	2,307	2,875	639	24.7%	0	0	0		2,307	2,875	639	24.7%
NW LP	0	0	0		0	0	0		0	0	0	
Sag. Bay	0	0	0		0	0	0		0	0	0	
SW LP	0	0	0		0	0	0		0	0	0	
SC LP	0	0	0		0	0	0		0	0	0	
SE LP	0	0	0		0	0	0		0	0	0	
UP	0	0	0		0	0	0		0	0	0	
NLP	2,307	2,875	639	24.7%	0	0	0		2,307	2,875	639	24.7%
SLP	0	0	0		0	0	0		0	0	0	
Statewide	2,307	2,875	639	24.7%	0	0	0		2,307	2,875	639	24.7%

[a]Harvest estimates do not include deer taken with DMA permits. An additional 4,502 deer were taken with these permits.
[b]95% confidence limit for the 2003 estimate.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 2002-2003.[a]

Season and Area	Antlerless 2002 Harvest	Antlerless 2003 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2002 to 2003	Antlered Bucks 2002 Harvest	Antlered Bucks 2003 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2002 to 2003	Sexes Combined 2002 Harvest	Sexes Combined 2003 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2002 to 2003
Late Antlerless												
West UP	0	0	0		0	0	0		0	0	0	
East UP	0	0	0		0	0	0		0	0	0	
NE LP	2,098	1,793	443	-14.6%	0	0	0		2,098	1,793	443	-14.6%
NW LP	3,242	0	0	-100.0%	0	0	0		3,242	0	0	-100.0%
Sag. Bay	2,514	657	286	-73.9%	0	0	0		2,514	657	286	-73.9%
SW LP	4,232	3,704	664	-12.5%	0	0	0		4,232	3,704	664	-12.5%
SC LP	4,134	2,262	520	-45.3%	0	0	0		4,134	2,262	520	-45.3%
SE LP	1,656	750	303	-54.7%	0	0	0		1,656	750	303	-54.7%
UP	0	0	0		0	0	0		0	0	0	
NLP	5,629	1,793	443	-68.1%	0	0	0		5,629	1,793	443	-68.1%
SLP	12,247	7,372	940	-39.8%	0	0	0		12,247	7,372	940	-39.8%
Statewide	17,876	9,165	1,043	-48.7%	0	0	0		17,876	9,165	1,043	-48.7%
Youth												
West UP	127	104	49	-17.8%	128	147	58	14.4%	255	251	76	-1.6%
East UP	38	35	28	-8.7%	44	56	36	25.8%	82	91	45	9.9%
NE LP	254	361	91	42.4%	273	361	100	32.4%	526	723	135	37.3%
NW LP	425	457	111	7.5%	787	796	134	1.2%	1,211	1,253	174	3.4%
Sag. Bay	368	486	105	32.2%	634	880	141	38.7%	1,002	1,366	176	36.3%
SW LP	247	250	76	1.1%	331	440	100	33.0%	578	690	125	19.4%
SC LP	406	472	104	16.4%	672	913	150	35.8%	1,078	1,385	183	28.5%
SE LP	140	160	60	14.3%	273	279	80	2.4%	412	439	100	6.4%
UP	165	139	56	-15.7%	173	203	68	17.4%	337	341	88	1.2%
NLP	812	971	155	19.6%	1,256	1,381	182	9.9%	2,068	2,352	239	13.7%
SLP	1,027	1,216	167	18.3%	1,714	2,289	232	33.6%	2,741	3,504	285	27.8%
Statewide	2,004	2,325	235	16.0%	3,142	3,872	304	23.2%	5,146	6,197	383	20.4%

[a]Harvest estimates do not include deer taken with DMA permits. An additional 4,502 deer were taken with these permits.
[b]95% confidence limit for the 2003 estimate.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 2002-2003.[a]

Season and Area	Antlerless 2002 Harvest	Antlerless 2003 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2002 to 2003	Antlered Bucks 2002 Harvest	Antlered Bucks 2003 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2002 to 2003	Sexes Combined 2002 Harvest	Sexes Combined 2003 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2002 to 2003
Early Antlerless in DMU 055												
West UP	811	798	67	-1.6%	0	0	0		811	798	67	-1.6%
East UP	0	0	0		0	0	0		0	0	0	
NE LP	0	0	0		0	0	0		0	0	0	
NW LP	0	0	0		0	0	0		0	0	0	
Sag. Bay	0	0	0		0	0	0		0	0	0	
SW LP	0	0	0		0	0	0		0	0	0	
SC LP	0	0	0		0	0	0		0	0	0	
SE LP	0	0	0		0	0	0		0	0	0	
UP	811	798	67	-1.6%	0	0	0		811	798	67	-1.6%
NLP	0	0	0		0	0	0		0	0	0	
SLP	0	0	0		0	0	0		0	0	0	
Statewide	811	798	67	-1.6%	0	0	0		811	798	67	-1.6%
All Seasons												
West UP	20,766	20,994	1,597	1.1%	29,949	29,496	1,727	-1.5%	50,723	50,496	2,551	-0.4%
East UP	4,439	4,642	774	4.6%	5,539	7,103	852	28.2%	9,979	11,748	1,231	17.7%
NE LP	27,776	34,006	2,251	22.4%	29,855	33,359	1,873	11.7%	57,629	67,362	3,199	16.9%
NW LP	44,453	36,573	2,244	-17.7%	38,164	37,300	1,979	-2.3%	82,606	73,872	3,346	-10.6%
Sag. Bay	33,999	37,884	2,452	11.4%	37,376	41,019	2,161	9.7%	71,374	78,903	3,714	10.5%
SW LP	39,603	42,468	2,648	7.2%	37,669	38,140	2,134	1.3%	77,265	80,602	3,925	4.3%
SC LP	45,628	49,339	2,818	8.1%	48,332	50,965	2,447	5.4%	93,957	100,303	4,277	6.8%
SE LP	13,910	14,867	1,472	6.9%	14,435	17,092	1,414	18.4%	28,343	31,960	2,352	12.8%
UP	25,205	25,636	1,775	1.7%	35,489	36,599	1,926	3.1%	60,702	62,244	2,832	2.5%
NLP	81,941	81,299	3,418	-0.8%	78,819	82,037	2,957	4.1%	160,749	163,333	4,993	1.6%
SLP	123,427	133,837	4,643	8.4%	127,012	135,837	3,987	6.9%	250,426	269,669	7,037	7.7%
Statewide	230,573	240,772	6,056	4.4%	241,320	254,473	5,340	5.5%	471,877	495,245	9,111	5.0%

[a]Harvest estimates do not include deer taken with DMA permits. An additional 4,502 deer were taken with these permits.
[b]95% confidence limit for the 2003 estimate.

Table 7. Number of deer harvested on public and private lands during all seasons combined in Michigan by management region, 2002-2003.[a]

Season and Area	Antlerless 2002 Harvest	Antlerless 2003 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2002 to 2003	Antlered Bucks 2002 Harvest	Antlered Bucks 2003 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2002 to 2003	Sexes Combined 2002 Harvest	Sexes Combined 2003 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2002 to 2003
Public Lands												
West UP	5,471	4,839	688	-11.5%	10,277	10,468	1,037	1.9%	15,751	15,314	1,329	-2.8%
East UP	1,082	678	260	-37.3%	2,253	2,715	513	20.5%	3,336	3,397	584	1.8%
NE LP	6,070	7,564	925	24.6%	9,119	9,496	976	4.1%	15,189	17,056	1,442	12.3%
NW LP	6,990	4,007	644	-42.7%	8,962	7,848	878	-12.4%	15,951	11,859	1,150	-25.7%
Sag. Bay	3,312	3,740	606	12.9%	4,868	4,796	711	-1.5%	8,180	8,534	1,008	4.3%
SW LP	2,522	2,771	549	9.9%	2,466	2,692	542	9.2%	4,986	5,460	807	9.5%
SC LP	3,317	3,018	608	-9.0%	3,459	3,095	568	-10.5%	6,774	6,110	894	-9.8%
SE LP	807	1,579	447	95.7%	871	1,426	393	63.7%	1,678	3,003	639	79.0%
UP	6,553	5,518	735	-15.8%	12,530	13,183	1,157	5.2%	19,088	18,711	1,452	-2.0%
NLP	14,263	12,856	1,184	-9.9%	20,225	19,437	1,398	-3.9%	34,487	32,293	1,954	-6.4%
SLP	8,754	9,823	1,052	12.2%	9,521	9,916	1,022	4.1%	18,270	19,728	1,568	8.0%
Statewide	29,570	28,197	1,758	-4.6%	42,275	42,535	2,091	0.6%	71,845	70,732	2,908	-1.5%
Private Lands												
West UP	15,311	16,165	1,420	5.6%	19,691	19,033	1,367	-3.3%	35,006	35,201	2,115	0.6%
East UP	3,359	3,964	723	18.0%	3,291	4,390	673	33.4%	6,650	8,355	1,055	25.6%
NE LP	21,720	26,458	2,014	21.8%	20,748	23,866	1,582	15.0%	42,467	50,323	2,780	18.5%
NW LP	37,470	32,565	2,130	-13.1%	29,207	29,453	1,766	0.8%	66,670	62,016	3,083	-7.0%
Sag. Bay	30,681	34,141	2,357	11.3%	32,499	36,221	2,038	11.5%	63,182	70,363	3,532	11.4%
SW LP	37,067	39,686	2,583	7.1%	35,185	35,445	2,056	0.7%	72,251	75,128	3,808	4.0%
SC LP	42,297	46,308	2,739	9.5%	44,851	47,865	2,378	6.7%	87,151	94,174	4,151	8.1%
SE LP	13,097	13,287	1,401	1.4%	13,557	15,665	1,356	15.6%	26,654	28,954	2,250	8.6%
UP	18,671	20,130	1,593	7.8%	22,981	23,423	1,523	1.9%	41,656	43,555	2,363	4.6%
NLP	67,700	68,458	3,167	1.1%	58,612	62,606	2,590	6.8%	126,304	131,060	4,505	3.8%
SLP	114,632	123,987	4,501	8.2%	117,435	125,909	3,846	7.2%	232,071	249,898	6,798	7.7%
Statewide	201,003	212,575	5,749	5.8%	199,029	211,938	4,894	6.5%	400,032	424,513	8,516	6.1%

[a]Harvest estimates do not include deer taken with DMA permits. An additional 4,502 deer were taken with these permits.
[b]95% confidence limit for the 2003 estimate.

Table 8. Percentage of deer hunters harvesting deer in Michigan during all seasons, 2003.[a]

Sex and Area	Number of deer harvested									
	≥1 deer		≥2 deer		≥3 deer		≥4 deer		≥5 deer	
	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]
Antlerless										
West UP	17.4%	1.2%	3.5%	0.5%	1.0%	0.3%	0.4%	0.1%	0.2%	0.1%
East UP	11.2%	1.7%	1.6%	0.7%	0.3%	0.3%	0.2%	0.2%	0.0%	0.0%
NE LP	17.9%	1.0%	4.0%	0.5%	0.7%	0.2%	0.2%	0.1%	0.1%	0.1%
NW LP	17.9%	0.9%	3.4%	0.4%	0.8%	0.2%	0.2%	0.1%	0.1%	0.1%
Sag. Bay	24.1%	1.2%	5.2%	0.6%	1.3%	0.3%	0.4%	0.2%	0.2%	0.1%
SW LP	26.4%	1.3%	7.2%	0.7%	2.1%	0.4%	0.9%	0.3%	0.3%	0.2%
SC LP	26.3%	1.2%	6.8%	0.7%	1.9%	0.4%	0.7%	0.2%	0.3%	0.1%
SE LP	19.1%	1.6%	3.2%	0.7%	0.9%	0.4%	0.4%	0.3%	0.2%	0.2%
UP	15.9%	1.0%	3.1%	0.4%	0.9%	0.2%	0.3%	0.1%	0.2%	0.1%
NLP	18.7%	0.7%	3.9%	0.3%	0.9%	0.2%	0.3%	0.1%	0.1%	0.0%
SLP	26.0%	0.7%	6.6%	0.4%	1.9%	0.2%	0.8%	0.1%	0.3%	0.1%
Statewide	24.1%	0.5%	6.0%	0.3%	1.6%	0.1%	0.6%	0.1%	0.2%	0.1%
Antlered Bucks[c]										
West UP	29.2%	1.5%	2.7%	0.5%						
East UP	19.3%	2.1%	1.2%	0.6%						
NE LP	21.0%	1.0%	1.5%	0.3%						
NW LP	21.0%	1.0%	1.7%	0.3%						
Sag. Bay	29.6%	1.3%	4.3%	0.6%						
SW LP	27.7%	1.3%	5.2%	0.6%						
SC LP	31.0%	1.2%	5.4%	0.6%						
SE LP	23.6%	1.7%	4.0%	0.8%						
UP	27.0%	1.2%	2.4%	0.4%						
NLP	22.3%	0.7%	2.0%	0.2%						
SLP	30.9%	0.7%	5.5%	0.4%						
Statewide	30.1%	0.5%	4.5%	0.2%						

[a]Excludes people that did not hunt during the season and deer taken with DMA permits.
[b]95% confidence limit.
[c]The season bag limit for antlered deer was two.

Table 8 (continued). Percentage of deer hunters harvesting deer in Michigan during all seasons, 2003.[a]

Sex and Area	Number of deer harvested									
	≥1 deer		≥2 deer		≥3 deer		≥4 deer		≥5 deer	
	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]
Sexes Combined										
West UP	41.1%	1.6%	10.1%	0.9%	2.2%	0.4%	0.7%	0.2%	0.0%	0.0%
East UP	27.8%	2.4%	5.1%	1.2%	1.0%	0.5%	0.2%	0.2%	0.1%	0.1%
NE LP	34.4%	1.2%	8.8%	0.7%	1.9%	0.3%	0.5%	0.2%	0.1%	0.1%
NW LP	33.9%	1.1%	8.7%	0.7%	2.1%	0.3%	0.6%	0.2%	0.2%	0.2%
Sag. Bay	44.8%	1.4%	15.3%	1.0%	3.8%	0.5%	1.2%	0.3%	0.3%	0.3%
SW LP	44.5%	1.4%	16.5%	1.1%	5.5%	0.7%	2.2%	0.4%	0.2%	0.2%
SC LP	47.4%	1.3%	17.3%	1.0%	5.6%	0.6%	1.9%	0.4%	0.3%	0.3%
SE LP	36.5%	1.9%	10.3%	1.2%	3.2%	0.7%	1.1%	0.4%	0.0%	0.0%
UP	37.9%	1.3%	8.9%	0.8%	1.9%	0.3%	0.6%	0.2%	0.1%	0.1%
NLP	35.7%	0.8%	9.5%	0.5%	2.2%	0.2%	0.6%	0.1%	0.1%	0.1%
SLP	46.4%	0.8%	17.1%	0.6%	5.5%	0.4%	2.0%	0.2%	0.0%	0.0%
Statewide	45.0%	0.6%	15.3%	0.4%	4.5%	0.2%	1.5%	0.1%	0.5%	0.1%

[a]Excludes people that did not hunt during the season and deer taken with DMA permits.
[b]95% confidence limit.
[c]The season bag limit for antlered deer was two.

Table 9. Percentage of deer hunters harvesting at least one deer in Michigan by hunting season, 2003.[a]

Sex and Area	Season															
	Archery		Regular Firearm		Muzzleloader		Early Antlerless		Late Antlerless		Youth		Early Antlerless in DMU 055		All Seasons	
	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]
Antlerless																
West UP	20.8%	2.5%	11.5%	1.0%	14.8%	2.5%	0.0%	0.0%	0.0%	0.0%	12.4%	5.4%	69.2%	2.8%	17.3%	1.2%
East UP	17.7%	4.1%	6.7%	1.4%	10.0%	3.5%	0.0%	0.0%	0.0%	0.0%	15.6%	11.7%	0.0%	0.0%	11.2%	1.6%
NE LP	12.8%	1.5%	12.7%	0.9%	12.2%	2.0%	39.4%	6.2%	33.9%	6.6%	18.1%	4.2%	0.0%	0.0%	17.9%	1.0%
NW LP	11.8%	1.2%	14.2%	0.9%	12.6%	1.9%	0.0%	0.0%	0.0%	0.0%	12.1%	2.7%	0.0%	0.0%	18.0%	0.9%
Sag. Bay	15.0%	1.4%	17.9%	1.2%	15.2%	1.9%	0.0%	0.0%	30.0%	10.2%	13.9%	2.8%	0.0%	0.0%	24.1%	1.2%
SW LP	12.7%	1.4%	20.3%	1.2%	14.6%	1.8%	0.0%	0.0%	23.7%	3.6%	8.4%	2.4%	0.0%	0.0%	26.4%	1.2%
SC LP	13.6%	1.3%	20.6%	1.1%	15.3%	1.7%	0.0%	0.0%	21.0%	4.1%	12.0%	2.5%	0.0%	0.0%	26.1%	1.1%
SE LP	14.4%	1.8%	12.9%	1.6%	9.7%	2.1%	0.0%	0.0%	24.0%	8.1%	12.6%	4.5%	0.0%	0.0%	19.4%	1.5%
UP	20.2%	2.1%	10.2%	0.8%	13.5%	2.1%	0.0%	0.0%	0.0%	0.0%	13.1%	4.9%	69.2%	2.8%	15.8%	1.0%
NLP	13.0%	0.9%	13.9%	0.6%	12.8%	1.3%	39.4%	6.2%	33.9%	6.6%	14.6%	2.1%	0.0%	0.0%	18.7%	0.6%
SLP	14.2%	0.8%	19.7%	0.7%	14.8%	1.0%	0.0%	0.0%	23.3%	2.5%	11.3%	1.5%	0.0%	0.0%	25.9%	0.7%
Statewide	15.6%	0.6%	17.0%	0.4%	14.6%	0.8%	39.4%	6.2%	24.9%	2.3%	12.7%	1.2%	69.0%	2.8%	24.0%	0.5%
Antlered Bucks																
West UP	17.8%	2.3%	27.5%	1.5%	8.4%	2.0%	0.0%	0.0%	0.0%	0.0%	17.4%	6.3%	0.0%	0.0%	29.2%	1.4%
East UP	12.4%	3.5%	18.2%	2.2%	6.5%	2.9%	0.0%	0.0%	0.0%	0.0%	25.0%	13.9%	0.0%	0.0%	19.2%	2.1%
NE LP	12.3%	1.5%	19.4%	1.1%	3.9%	1.2%	0.0%	0.0%	0.0%	0.0%	18.0%	4.5%	0.0%	0.0%	20.9%	1.0%
NW LP	14.7%	1.3%	17.4%	1.0%	3.3%	1.0%	0.0%	0.0%	0.0%	0.0%	21.0%	3.2%	0.0%	0.0%	20.9%	1.0%
Sag. Bay	20.0%	1.6%	24.4%	1.3%	5.2%	1.2%	0.0%	0.0%	0.0%	0.0%	25.0%	3.5%	0.0%	0.0%	29.3%	1.3%
SW LP	21.8%	1.8%	21.6%	1.3%	6.2%	1.2%	0.0%	0.0%	0.0%	0.0%	14.7%	3.1%	0.0%	0.0%	27.6%	1.3%
SC LP	24.7%	1.7%	25.1%	1.2%	4.6%	1.0%	0.0%	0.0%	0.0%	0.0%	23.0%	3.3%	0.0%	0.0%	31.1%	1.2%
SE LP	18.6%	2.0%	19.2%	1.8%	4.4%	1.5%	0.0%	0.0%	0.0%	0.0%	22.0%	5.6%	0.0%	0.0%	23.5%	1.7%
UP	16.5%	2.0%	25.2%	1.2%	7.9%	1.7%	0.0%	0.0%	0.0%	0.0%	19.0%	5.8%	0.0%	0.0%	26.9%	1.2%
NLP	14.3%	0.9%	18.9%	0.7%	4.0%	0.8%	0.0%	0.0%	0.0%	0.0%	20.6%	2.4%	0.0%	0.0%	22.2%	0.7%
SLP	23.1%	1.0%	24.2%	0.7%	5.3%	0.6%	0.0%	0.0%	0.0%	0.0%	21.2%	1.9%	0.0%	0.0%	30.8%	0.7%
Statewide	20.9%	0.7%	23.9%	0.5%	5.4%	0.5%	0.0%	0.0%	0.0%	0.0%	21.1%	1.5%	0.0%	0.0%	30.0%	0.5%

[a]Excludes people that did not hunt during the season and deer taken with DMA permits.
[b]95% confidence limit.

Table 9 (continued). Percentage of deer hunters harvesting at least one deer in Michigan by hunting season, 2003.[a]

Sex and Area	Season															
	Archery		Regular Firearm		Muzzleloader		Early Antlerless		Late Antlerless		Youth		Early Antlerless in DMU 055		All Seasons	
	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]
Sexes combined																
West UP	35.2%	2.9%	35.8%	1.6%	22.6%	3.0%	0.0%	0.0%	0.0%	0.0%	29.8%	7.5%	69.2%	2.8%	41.1%	1.5%
East UP	28.8%	4.8%	24.0%	2.4%	15.7%	4.3%	0.0%	0.0%	0.0%	0.0%	40.6%	15.8%	0.0%	0.0%	27.8%	2.3%
NE LP	22.8%	1.9%	29.6%	1.2%	15.8%	2.3%	39.4%	6.2%	33.9%	6.6%	36.2%	5.3%	0.0%	0.0%	34.3%	1.2%
NW LP	24.4%	1.6%	28.8%	1.2%	15.5%	2.0%	0.0%	0.0%	0.0%	0.0%	33.1%	3.7%	0.0%	0.0%	33.9%	1.1%
Sag. Bay	31.6%	1.9%	37.8%	1.5%	19.6%	2.1%	0.0%	0.0%	30.0%	10.2%	39.0%	3.9%	0.0%	0.0%	44.7%	1.4%
SW LP	31.0%	2.0%	36.8%	1.5%	20.3%	2.0%	0.0%	0.0%	23.7%	3.6%	23.0%	3.7%	0.0%	0.0%	44.4%	1.4%
SC LP	34.3%	1.8%	40.0%	1.4%	19.5%	1.9%	0.0%	0.0%	21.0%	4.1%	35.0%	3.7%	0.0%	0.0%	47.3%	1.3%
SE LP	29.1%	2.4%	29.0%	2.1%	13.6%	2.5%	0.0%	0.0%	24.0%	8.1%	34.6%	6.4%	0.0%	0.0%	36.6%	1.9%
UP	33.7%	2.5%	32.8%	1.4%	20.8%	2.5%	0.0%	0.0%	0.0%	0.0%	32.0%	6.8%	69.2%	2.8%	37.8%	1.3%
NLP	25.1%	1.2%	30.0%	0.8%	16.3%	1.4%	39.4%	6.2%	33.9%	6.6%	35.2%	2.9%	0.0%	0.0%	35.6%	0.8%
SLP	33.1%	1.1%	38.6%	0.8%	19.5%	1.1%	0.0%	0.0%	23.3%	2.5%	32.5%	2.2%	0.0%	0.0%	46.3%	0.8%
Statewide	32.7%	0.8%	36.6%	0.6%	19.4%	0.9%	39.4%	6.2%	24.9%	2.3%	33.8%	1.7%	69.0%	2.8%	44.9%	0.6%

[a]Excludes people that did not hunt during the season and deer taken with DMA permits.
[b]95% confidence limit.

Appendix A. Number of deer hunters, days spent hunting, and deer harvested in Michigan during 2003, summarized by Deer Management Unit.

Appendix A. Number of deer hunters, hunting effort, and deer harvested in Michigan during 2003, summarized by Deer Management Unit.

					Deer harvested (all seasons combined)[a]					
	Hunters[b,c]		Hunting effort (days)[b]		Antlerless		Antlered bucks		Sexes combined	
DMU[d]	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL
001	9,263	934	89,327	13,819	2,488	626	2,090	462	4,578	877
003	14,598	1,153	191,028	21,882	3,242	686	3,309	605	6,551	1,052
004	5,566	723	60,648	11,634	1,869	537	1,171	338	3,041	687
005	8,229	874	67,787	10,033	1,763	501	1,525	394	3,289	700
006	8,479	881	89,670	12,534	2,472	622	2,737	547	5,209	904
007	10,577	995	100,299	13,147	718	255	2,278	475	2,995	566
008	16,076	1,204	214,052	23,100	6,005	1,003	5,766	847	11,772	1,509
009	5,200	692	55,882	9,940	1,068	362	1,494	430	2,562	621
010	5,985	749	67,522	12,558	461	206	1,146	335	1,606	411
011	5,401	707	71,113	13,117	1,422	457	1,255	385	2,677	729
012	7,253	816	104,936	16,417	3,723	820	3,009	610	6,732	1,218
013	13,473	1,103	184,336	20,657	6,444	1,119	5,262	812	11,707	1,591
014	6,948	804	95,686	15,859	2,979	747	2,417	535	5,396	1,054
015	5,681	728	52,271	9,831	988	327	1,468	391	2,455	556
016	8,862	913	72,545	10,210	640	274	1,915	429	2,554	532
017	8,089	873	80,347	11,812	1,599	434	2,024	462	3,623	682
018	12,478	1,077	127,778	15,630	2,783	613	3,218	609	6,001	963
019	11,303	1,014	143,936	17,803	3,631	758	3,595	642	7,226	1,148
020	12,842	1,095	97,549	11,807	2,722	616	1,800	453	4,523	857
021	14,903	1,174	138,285	15,028	2,115	537	3,122	557	5,237	834
022	13,032	1,102	112,861	12,946	3,003	668	4,143	661	7,146	1,043
023	11,713	1,042	147,747	18,370	3,438	707	4,042	681	7,480	1,095
024	6,806	799	69,800	11,759	1,100	347	1,942	441	3,042	616
025	10,089	964	144,092	19,686	2,001	485	2,884	575	4,884	845
026	16,753	1,237	174,393	18,633	4,066	787	3,834	670	7,901	1,140
027	5,787	740	46,169	7,309	1,358	412	1,119	331	2,477	569
028	7,324	827	81,295	12,695	504	250	1,231	353	1,734	476
029	9,888	952	105,091	14,340	3,039	678	3,986	688	7,025	1,099
030	10,854	994	129,195	17,322	3,683	785	2,889	580	6,573	1,112
032	11,341	1,022	127,127	16,915	3,563	976	4,287	682	7,849	1,342
033	9,451	934	123,487	17,086	3,270	784	3,040	593	6,311	1,113
034	13,781	1,114	187,865	21,125	5,075	906	5,774	824	10,848	1,428

[a]Harvest estimates do not include deer taken with DMA permits. An additional 4,502 deer were taken with these permits.
[b]Column totals for hunting effort and harvest may not equal regional and statewide totals because of rounding errors.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one DMU.
[d]See Figure 2 for the locations of DMUs.

Appendix A (continued). Number of deer hunters, hunting effort, and deer harvested in Michigan during 2003, summarized by Deer Management Unit.

					Deer harvested (all seasons combined)[a]					
	Hunters[b,c]		Hunting effort (days)[b]		Antlerless		Antlered bucks		Sexes combined	
DMU[d]	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL
035	12,130	1,063	119,236	15,351	2,638	642	2,976	562	5,613	927
036	7,330	827	65,759	9,867	1,595	494	2,371	495	3,965	753
037	11,487	1,028	133,399	17,012	4,383	810	4,417	713	8,800	1,246
038	19,442	1,320	274,822	27,046	7,127	1,125	6,455	877	13,583	1,653
039	10,094	963	126,682	17,392	3,794	728	2,896	587	6,691	1,075
040	10,536	990	99,372	14,128	384	188	1,302	356	1,686	426
041	17,458	1,252	215,428	22,355	4,281	785	4,395	725	8,675	1,205
042	3,900	605	47,950	10,311	119	101	1,060	328	1,178	351
043	22,549	1,432	199,848	18,955	2,974	616	2,507	495	5,482	864
044	16,318	1,210	200,360	21,478	4,987	874	4,941	764	9,928	1,371
045	3,872	598	44,167	10,035	516	214	574	229	1,090	336
046	8,324	873	110,236	16,391	2,194	571	2,185	501	4,379	863
047	13,890	1,128	172,994	19,734	3,939	732	3,898	662	7,838	1,122
048	7,698	853	61,790	9,876	133	111	1,332	373	1,464	395
049	9,377	936	83,074	11,714	1,679	481	1,855	428	3,534	685
050	5,084	688	57,238	10,821	882	328	1,434	396	2,315	616
051	14,442	1,154	132,321	14,935	3,016	662	2,590	513	5,606	919
053	14,421	1,149	151,104	17,424	5,081	870	3,376	599	8,459	1,193
054	16,440	1,223	177,518	19,334	4,901	796	5,422	776	10,323	1,283
055	13,771	1,030	137,481	13,367	6,845	814	5,430	696	12,277	1,176
056	13,074	1,091	174,775	19,926	4,610	815	4,306	690	8,917	1,222
057	14,016	1,137	120,286	14,439	3,383	703	3,264	591	6,647	1,015
058	4,871	673	58,033	11,312	357	195	691	270	1,047	356
059	17,860	1,274	208,698	21,816	6,071	974	7,074	914	13,145	1,509
060	11,779	1,051	96,861	12,589	2,561	623	1,977	448	4,539	814
061	10,065	957	135,817	17,869	2,700	591	2,049	469	4,750	873
062	27,267	1,559	293,198	24,717	5,903	932	6,195	794	12,098	1,398
063	12,827	1,088	161,426	19,941	3,357	784	3,690	676	7,047	1,186
064	11,243	1,014	139,342	18,111	2,663	641	3,168	595	5,830	963
065	16,979	1,249	157,356	16,496	3,710	650	4,106	672	7,816	1,040
066	14,119	1,145	146,222	15,932	779	281	5,090	756	5,865	837
067	15,115	1,177	149,946	17,072	3,862	693	4,245	667	8,106	1,066

[a]Harvest estimates do not include deer taken with DMA permits. An additional 4,502 deer were taken with these permits.
[b]Column totals for hunting effort and harvest may not equal regional and statewide totals because of rounding errors.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one DMU.
[d]See Figure 2 for the locations of DMUs.

Appendix A (continued). Number of deer hunters, hunting effort, and deer harvested in Michigan during 2003, summarized by Deer Management Unit.

					Deer harvested (all seasons combined)[a]					
	Hunters[b,c]		Hunting effort (days)[b]		Antlerless		Antlered bucks		Sexes combined	
DMU[d]	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL
068	13,747	1,129	107,767	13,284	2,925	655	1,724	413	4,650	839
069	7,773	852	66,693	10,510	1,129	387	1,328	374	2,457	574
070	10,361	971	134,237	17,068	2,271	586	2,613	543	4,884	914
071	8,338	884	75,397	10,393	1,502	429	2,216	491	3,717	693
072	18,086	1,289	159,207	16,259	3,194	637	3,434	617	6,628	1,004
073	10,291	973	147,705	19,903	1,905	512	2,739	562	4,643	847
074	13,944	1,136	173,958	20,128	2,790	574	2,830	565	5,621	892
075	6,201	757	97,728	16,273	2,903	751	2,444	540	5,347	1,078
076	17,022	1,246	193,376	20,502	6,196	964	6,408	848	12,604	1,486
078	11,026	1,000	150,069	19,061	4,175	825	3,835	668	8,010	1,205
079	15,416	1,176	195,680	21,298	5,140	900	5,502	792	10,642	1,414
080	8,951	911	114,465	16,455	2,625	667	2,796	571	5,421	997
081	12,983	1,094	166,242	20,139	3,605	775	4,343	733	7,948	1,263
082	1,737	406	24,125	7,655	269	174	471	244	740	339
083	15,681	1,204	142,088	16,615	2,859	623	2,322	501	5,182	889
115	917	294	5,773	2,240	269	213	347	194	615	320
117	1,862	416	14,464	4,570	145	114	256	151	400	189
118	5,587	721	54,974	10,848	1,431	438	1,558	440	2,989	666
121	971	305	10,294	4,639	161	141	369	199	530	263
122	3,185	542	29,997	7,432	1,224	414	870	288	2,095	569
135	831	280	5,847	2,514	156	122	106	92	263	168
145	0	0	0	0	0	0	0	0	0	0
149	295	167	1,603	1,080	26	50	0	0	26	50
152	5,854	742	65,579	11,534	544	245	1,005	327	1,548	432
155	7,072	805	72,971	11,871	2,120	532	2,290	491	4,411	776
173	2,380	470	22,138	6,833	222	142	541	231	763	289
174	275	160	3,840	2,725	223	223	183	149	405	342
245	52	71	183	268	26	50	26	50	52	70
252	3,537	575	36,609	8,834	779	319	527	239	1,306	428
255	3,215	539	27,884	5,797	915	320	963	307	1,878	486
452	13,594	1,122	113,453	12,754	4,385	1,002	3,385	601	7,771	1,246

[a]Harvest estimates do not include deer taken with DMA permits. An additional 4,502 deer were taken with these permits.
[b]Column totals for hunting effort and harvest may not equal regional and statewide totals because of rounding errors.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one DMU.
[d]See Figure 2 for the locations of DMUs.