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MICHIGAN DEER HARVEST SURVEY REPORT 2014 SEASONS

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ABSTRACT

A survey of deer hunters was conducted following the 2014 hunting seasons to estimate hunter participation, harvest, and hunting effort. In 2014, an estimated 614,593 hunters spent 8.8 million days afield. Statewide, the number of people hunting decreased significantly by 7% between 2013 and 2014. Hunters harvested about 329,000 deer. Harvest declined significantly by 15% from 2013. Statewide, 41% of hunters harvested a deer in 2014. About 20% of the hunters took an antlerless deer and 27% took an antlered buck in 2014. Approximately 11% of deer hunters harvested two or more deer of any type. Less than 4% of hunters statewide harvested two antlered bucks. Levels of satisfaction with numbers of deer seen, bucks seen, deer taken, and overall deer hunting experience statewide declined significantly in 2014 from 2013. Statewide, 39% of hunters were satisfied with their overall hunting experience in 2014, and satisfaction was highest in the Lower Peninsula. About 174,558 hunters used a crossbow during the 2014 archery season, and they harvested approximately 59,266 deer with the crossbow. About 12% fewer individuals purchased a deer hunting license in 2014 than ten years ago in 2004. Although the overall number of license buyers declined from 2004, an increased number of people younger than 14 years of age and people older than 50 purchased a license in 2014. Over 12% of the license buyers in 2014 were younger than 17 years old.

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INTRODUCTION

The Natural Resources Commission (NRC) and Michigan Department of Natural Resources (DNR) have the authority and responsibility to protect and manage the wildlife resources of the state of Michigan. Harvest surveys are one of the management tools used to accomplish this statutory responsibility. Estimating hunter participation, harvest, and hunting effort (hereafter referred to as estimates) are the primary objectives of these surveys. Estimates derived from harvest surveys as well as information from deer (*Odocoileus virginianus*) harvest check stations, deer pellet group surveys, trends in deer-vehicle collisions, population modeling, and input received from the public are used to monitor deer populations and establish harvest regulations.

Estimating harvest, hunter numbers, and hunting effort were the primary objectives of the deer harvest survey. This survey also provided an opportunity to collect information about management issues. Questions were added to the questionnaire to investigate hunter satisfaction with the 2014 hunting season and deer numbers. Deer hunters were also asked whether they supported the antler point restrictions that were enacted in the Upper Peninsula (UP) and Deer Management Unit (DMU) 487 (northeast Lower Peninsula).

Deer were grouped into either antlered or antlerless deer when developing hunting regulations. Antlered deer included deer with at least one antler three inches or longer, and antlerless deer included deer without antlers and deer with antlers less than 3 inches in length. The type of deer that could be harvested by hunters depended upon the hunting season and license purchased (Table 1). During 2014, deer could be harvested primarily during the following hunting seasons: Liberty, archery, regular firearm, muzzleloader, early antlerless, late antlerless, and Independence.

For 2014, hunting license types and prices were revised (see Public Act 108 of 2013). As a result, the separate firearm and archery deer licenses that were available in 2013 were replaced by the single deer license in 2014.

In order to harvest a deer, hunters had to possess a hunting license (deer, combination, antlerless, mentored youth license, or antlerless) (Table 1). A harvest tag was issued as part of the hunting license. Deer, mentored youth, and antlerless licenses included one harvest tag, while combination licenses had two harvest tags.

Hunters could purchase a maximum of two licenses for taking antlered deer. Hunters wanting to harvest only one antlered deer could purchase a single deer license (one kill tag), while hunters wanting to take two antlered deer could purchase a combination license (two kill tags). Hunters who purchased a single deer license could not purchase a second deer license or a combination license.

A deer license allowed a person to take a single deer of either sex during archery seasons or one deer with at least one antler three inches or longer, except in DMU 487 where it could also be used to take an antlerless deer in the firearm and muzzleloader seasons (Table 1). A person with a combination license could take two deer of either sex during the archery

season, two antlered deer during the firearm season, or one antlered deer during each season, except in DMU 487 where it could also be used to take two antlerless deer in the firearm and muzzleloader seasons (Table 1). If two antlered deer were taken, one needed to have at least one antler with four or more points (qualifying points must be at least one inch), except for deer taken by mentored youth hunters. A person with a mentored youth license could use their one harvest tag to take a deer of either sex during the archery, firearm, or muzzleloader seasons. In addition, hunters with a mentored youth license could use their harvest tag to take one deer of either sex in the Liberty Season.

Antler point restrictions were adopted in 2008 for the taking of antlered deer (bucks) in the UP. Under this regulation, the regular buck tag of a combination deer license could only be used to tag a buck with at least three antler points on one side. The restricted tag could only be placed on a buck with a minimum of four points on one side. Hunters who chose to purchase only a deer license were restricted to one buck only (without any antler point restrictions) in the UP, all seasons combined.

The same antler point restrictions that were adopted in the UP in 2008 were implemented in DMU 487 in the northeast Lower Peninsula (LP) in 2010. In addition, hunters in DMU 487 could use any deer hunting license (including the combination license) to take an antlerless deer during the firearm or muzzleloader seasons. Deer Management Unit 487 included Alcona, Alpena, Iosco, Montmorency, Oscoda, and Presque Isle counties.

Antlerless licenses could be purchased in addition to deer, mentored youth, or combination licenses. Antlerless deer licenses allowed hunters to take antlerless deer 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. Antlerless licenses were available for most of the state, except in nineteen DMUs (007, 017, 021, 022, 027, 031, 036, 042, 048, 066, 117, 121, 127, 131, 152, 249, 252, 255, and 349) in the UP. A limited number of antlerless licenses were issued specifically for either public or private lands. Public land antlerless licenses were not available in all DMUs that had private land licenses. A public-land antlerless deer license was required to hunt antlerless deer on Commercial Forest land. The number of licenses available in DMUs open to antlerless deer hunting was established by the NRC (Appendix A). Hunters could apply for an antlerless license through the drawing, purchase a private land license for selected areas without application, or wait to purchase a leftover license after the drawing, if available.

A private land antlerless deer hunting license was valid for taking antlerless deer only from privately-owned lands within the DMU specified on the license with landowner permission. A private land license was not valid on land enrolled in the Commercial Forest Act program (Commercial Forest Lands). Hunters could purchase two private land antlerless deer licenses each day, except for private land antlerless licenses for DMU 487 and public land antlerless licenses for DMU 452 where hunters could purchase five licenses each day. Furthermore, hunters were limited to a maximum of five private land antlerless deer licenses for the entire year, except for DMU 487 where hunters were limited to ten private land licenses. There was no seasonal limit for the number of public land antlerless licenses that could be purchased.

Deer Management Unit 487 included private land in DMUs 001, 004, 035, 060, 068, 071, 135 and 452. A private land antlerless deer license for DMU 487 was valid on private land within any of the eight subunits.

A public land antlerless deer hunting license allowed an individual to hunt for antlerless deer upon publicly-owned lands (including state, federal, and county lands) open to hunting and Commercial Forest Lands within the DMU for which it was issued. A public land license was invalid on any privately-owned lands except Commercial Forest Lands.

The Pure Michigan Hunt (PMH) was a unique multi-species hunting opportunity offered for the first time in 2010. Individuals could purchase an unlimited number of applications for the PMH. Three individuals were randomly chosen from all applications, and winners received elk, bear, spring turkey, fall turkey, and antlerless deer hunting licenses and could participate in a reserved waterfowl hunt on a managed waterfowl area. The antlerless deer hunting license was valid for all areas open for hunting antlerless deer and during all deer hunting seasons in which they were eligible to participate.

Deer Management Assistance (DMA) permits were special antlerless permits issued to landowners where the number of antlerless licenses was insufficient to meet the objective of specific landowners (e.g., controlling disease, crop damage, or deer abundance). These permits allowed hunters to take one 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 also must have purchased a valid deer hunting license for the season in which they were hunting and abide by all other hunting regulations.

Managed Deer Hunt permits were antlerless permits that could be used during special seasons on some public lands (e.g., state parks, state wildlife areas, and some federal land). These permits were issued by special random drawings. To use these permits, the hunter also must have purchased a valid deer hunting license and abide by all other hunting regulations.

The Liberty Season was held during September 20-21 on public and private lands statewide. Youth (less than 17 years old) and disabled hunters could take no more than one deer during the season. Eligible disabled hunters included hunters issued a permit to use a laser-sighting device or to hunt from a standing vehicle, veterans with 100% disability as defined by the United States Department of Veterans Affairs, or legally blind people could participate in this season. Hunters could take one deer of either sex using a deer or combination license, and antler point restrictions did not apply to taking antlered deer. Only an antlerless deer could be taken with an antlerless license or DMA permit. Youth less than 14 years of age could hunt with archery and crossbow equipment on public or private lands or with a firearm on private or Commercial Forest lands only. All hunters under age 17 hunting with a firearm had to be accompanied by a parent, guardian or someone designated by their parent or guardian. In addition, hunters under 10 years of age had to be licensed through the Mentored Youth Hunting Program and accompanied by a qualified mentor.

The archery season occurred statewide on public and private lands. This season was divided into early and late segments (October 1 through November 14 and December 1, 2014, through January 1, 2015). Deer licenses, antlerless deer licenses, combination licenses, mentored youth licenses, and DMA permits could be used to take deer during the archery seasons using archery equipment.

Deer could also be taken during the Independence Hunt October 16-19, 2014. Hunters could take one deer of either sex on private lands or public lands requiring an access permit. Hunters could use a deer or combination license, and antler point restrictions did not apply to taking antlered deer. Only an antlerless deer could be taken with an antlerless license or DMA permit. Only hunters that were issued a permit to use a laser-sighting device or to hunt from a standing vehicle; veterans with 100% disability as defined by the United States Department of Veterans Affairs; or legally blind people could participate in this season.

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

The early antlerless firearm season occurred from September 20-21. Hunters pursuing deer during this season had to purchase an antlerless or mentored youth license, possess an unused antlerless harvest tag (including DMA permits), and were limited to hunting on private land. The area open to hunting during the early antlerless season was limited to all or portions of 32 counties in the LP (Alcona, Alpena, Antrim, Arenac, Bay, Benzie, Charlevoix, Genesee, Grand Traverse, Hillsdale, Huron, Iosco, Isabella, Jackson, Lapeer, Leelanau, Lenawee, Livingston, Macomb, Manistee, Midland, Monroe, Montmorency, Oakland, Oscoda, Presque Isle, St. Clair, Saginaw, Sanilac, Tuscola, Washtenaw, and Wayne). Eighteen fewer counties were open in 2014 than in 2013.

The late antlerless firearm season occurred from December 22, 2014, through January 1, 2015. Hunters pursuing deer during this season had to have purchased an antlerless or mentored youth license, possess an unused antlerless harvest tag (including DMA permits), and were limited to hunting on private land. All counties open during the early antlerless firearm season were also open for the late antlerless firearm season, as well as 22 additional counties: Allegan, Barry, Berrien, Branch, Calhoun, Cass, Clinton, Eaton, Gratiot, Ingham, Ionia, Kalamazoo, Kent, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, Ottawa, St. Joseph, Shiawassee, and Van Buren. Four additional counties were open to hunting during the 2014 late antlerless season than in 2013.

Crossbows were legal to use during all archery and firearm seasons statewide, except in the UP, where crossbow use was prohibited during the late archery and muzzleloader seasons, unless the hunter was disabled.

METHODS

The Wildlife Division provided all hunters the option to report information about their deer hunting activity voluntarily via the internet. This option was advertised through the hunting regulation booklet (digest) and on the DNR website, and an email message was sent to all license buyers that had provided an email address to the DNR (121,033). Hunters reported whether they hunted, the days spent afield, and whether they harvested a deer. Deer hunters were also asked whether they supported the antler point restrictions in the UP and DMU 487. Following the 2014 deer hunting seasons, a questionnaire was sent to 58,857 randomly selected individuals who had purchased a hunting license (firearm, archery, antlerless, mentored youth, or combination deer hunting licenses) and had not already voluntarily reported harvest information via the internet. Hunters receiving the questionnaire were asked the same questions as asked via the internet. Hunters were instructed not to report hunting effort and harvest associated with DMA permits because landowners obtaining these permits already were required to report the number of deer harvested to the DNR.

Estimates were based primarily 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 CL 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 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 five groups (strata) based on the type of license purchased and season that it was valid. The first stratum consisted of people eligible only for the archery, regular firearm, and muzzleloader hunting seasons (N = 409,511). The second stratum consisted of people eligible to hunt during archery, regular firearm, muzzleloader, early antlerless, and late antlerless seasons (N = 189,389). The third stratum consisted of people eligible to hunt during archery, regular firearm, muzzleloader, late antlerless, and Liberty seasons (N = 55,702). The fourth stratum consisted of 5,939 people that were eligible to participate in the special disabled hunts. Beginning in 2013, disabled veterans could obtain a free deer hunting license (i.e., Disabled Veteran license type). A unique type of hunting license was not available for non-veteran hunters with disabilities; however, disabled hunters younger than 65 years were sold a discounted hunting license (i.e., sold a senior hunting license). The fifth stratum consisted of 4,221people that had voluntarily reported information about their hunting activity via the Internet before the random sample was selected. The random sample consisted of 28,505 people from the first stratum; 12,891 from the second stratum; 11,767 from the third stratum; and 5,694 from the fourth stratum. The stratified sampling design accounted for the varying probabilities of being selected from the 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. For consistency with previous surveys, the state was divided into eight areas that closely matched the DNR's previous 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 (Albert 1995), except in the UP where two ecoregions were combined. Ecoregions are regions having similar soils, vegetation, climate, geology, and physiography. Estimates were also calculated for each DMU (Figure 2, Appendix B). Deer harvested from unknown locations were allocated among areas in proportion to the known harvest.

Statistical tests are used routinely to determine the likelihood that the differences among estimates are larger than expected by chance alone. The overlap of 95% confidence intervals was used to determine whether estimates differed. Non-overlapping 95% confidence intervals were equivalent to stating that the difference between the means was larger than would be expected 995 out of 1,000 times, if the study had been repeated (Payton et al. 2003).

Questionnaires were initially mailed during mid-January 2014, and two follow-up questionnaires were mailed to nonrespondents. To increase the number of questionnaires returned, respondents that returned their questionnaire promptly became eligible to win a firearm or bow. Although 58,857 people were sent the questionnaire, 1,540 surveys were undeliverable resulting in an adjusted sample size of 57,317. Questionnaires were returned by 29,035 people (51% 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 2013 estimates to make them comparable to the adjusted 2012 estimates (adjusted to a 74% response rate). Estimates of harvest, hunting effort, and hunter numbers were reduced by 6.4%, 4.7%, and 1.9%, respectively, to make estimates comparable to 2013. These reductions reflected the average decline noted between estimates calculated when 51% and 74% of the responses were used in 2000 and 2001 surveys.

RESULTS

In 2014, 664,762 people purchased a license to hunt deer in Michigan. The number of people buying a license in 2014 decreased by nearly 7% from 2013 (712,404 people purchased a license in 2013). Most of the people buying a license were male (89%), and the average age of license buyers was 42 years (Figure 3). Over 12% (81,287) of the license buyers were younger than 17 years old. About 4% (25,961) of the license buyers were younger than 12 years old.

The number of people buying a license in 2014 was about 12% less than the number of people who purchased a license ten years ago in 2004 (755,930 people purchased a license

in 2004). There were fewer license buyers for most age classes between 14 and 50 years of age in 2014, compared to 2004 (Figure 4). However, there were increased hunter numbers among the youngest and oldest age classes in 2014. The increased hunter numbers in the oldest age classes likely represented the rising share of older people in the population as the baby-boom generation aged and life expectancies have increased. In addition, legalization of crossbow use during the archery season probably increased participation among hunters in the oldest age classes. The increased participation among the youngest hunters likely reflected the lowering of the minimum age requirements. In 2012, the minimum age requirement was eliminated to hunt deer with a firearm, while hunters had to be at least 12 years old to participate in 2004.

The minimum age requirement to hunt deer has been lowered three times during recent years. In 2006, the minimum age for hunting deer with a firearm on private land was lowered from age 14 to 12, and the minimum age for hunting deer with archery equipment on any land type was lowered from age 12 to 10. This change resulted in approximately 15,000 additional youth purchasing a deer hunting license per year starting in 2006 (Figure 5). In 2011, it was legal for 10 and 11 year olds to hunt deer on private land with either a firearm deer license or junior combination deer license. This change resulted in approximately 5,000 additional youth purchasing a deer hunting license per year starting in 2011. In 2012, youth less than 14 years of age could hunt with archery and crossbow equipment on public or private lands or with a firearm on private or Commercial Forest lands only. This change resulted in approximately 12,600 additional youth purchasing a deer hunting license in 2014. The cumulative effect of these 2006-2012 changes resulted in approximately 33,000 additional youth purchasing a deer hunting license in 2014.

The number of 2014 deer harvest tags sold for all license types combined decreased by 10.5% from 2013 (Table 2). License buyers were issued an average of 2.1 harvest tags. About 93% of the license buyers obtained three or fewer harvest tags, and about 99% had five or fewer harvest tags (Figure 6). Hunters most frequently obtained antlerless and combination harvest tags (Figure 7). About 40% of the license buyers purchased at least one antlerless license (267,905 people), and greater than 99% of antlerless license buyers purchased three or fewer antlerless licenses, public and private licenses combined (Figure 8).

The antlerless license quota on private lands decreased 10% from 483,400 in 2013 to 434,000 licenses in 2014 (Appendix A). The quota for public land antlerless licenses decreased 17% from 70,574 to 58,500 between 2013 and 2014. The number of antlerless licenses sold declined by 15% between 2013 and 2014 (Table 2).

About 92.5 $\pm$ 0.1% (614,593 hunters) of the people buying a license in 2014 actually spent time hunting deer (Table 3). Most hunters (549,222) pursued deer during the regular firearm season (Figure 9). Statewide, the number of people hunting deer during all seasons combined was about 7% lower than hunter numbers in 2013.

A significantly greater number of people hunted during the late antlerless (11%) season during 2014 (Table 3). Significantly fewer people hunted during the early antlerless (-41%), regular firearm (-7%), and archery (-3%) seasons. The numbers of people hunting in the

muzzleloader, Liberty, and Independence seasons were not significantly different between 2013 and 2014 (Figure 10).

About 49% of the days hunters spent pursuing deer throughout the state occurred in the archery season (Figure 11). About 40% of the hunting effort occurred during the regular firearm season. Nearly 12% of the hunting effort occurred in the muzzleloader and late antlerless seasons combined. Statewide, hunters devoted an average of 15.1 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 ($\bar{x}$ = 14.0 days/hunter) (Figure 12, Table 4). For all seasons combined, hunting effort statewide was decreased significantly by 4% between 2013 and 2014 (Table 3). Hunting effort increased significantly during the late firearm season (17%) but decreased significantly during the regular firearm (-9%) and early antlerless (-40%) seasons. Hunting effort was unchanged during the archery, muzzleloader, Liberty, and Independence seasons between 2013 and 2014.

About 329,040 deer were harvested statewide in 2014, which was significantly lower (-15%) than in 2013 (Figures 13-14, Tables 5-6). Regional declines in harvest were greatest in the UP, where overall harvest declined by nearly 36%. Statewide harvest of antlerless deer declined about 18% in 2014, while harvest of antlered deer declined by about 12% from 2013 (Table 5). Between 2013 and 2014, harvest of antlered deer decreased significantly during the regular firearm (16%), Liberty (23%), and muzzleloader (24%) seasons, but was unchanged in other seasons. Harvest of antlerless deer decreased significantly in the archery (11%), regular firearm (18%), muzzleloader (31%), Liberty (39%), and early firearm (47%) seasons but was unchanged in other seasons.

About 54% of the deer harvested (sexes combined) in 2014 were taken during the regular firearm season (Figure 15). Nearly 45% of the antlerless deer and 62% of the antlered bucks were harvested in the regular firearm season. Hunters took 35% of the harvested deer (sexes combined) during archery season. These archers took 34% of the antlerless deer and 35% of the antlered bucks harvested. Few antlered bucks (4%) were taken in the muzzleloader season. The early and late antlerless and muzzleloader seasons combined accounted for about 19% of the antlerless deer harvested.

About 87% of the animals harvested (sexes combined) in 2014 were taken on private lands (Table 7). Statewide, most of the antlerless deer (88%) and antlered bucks (86%) were harvested on private lands.

Statewide, 41% of deer hunters harvested at least one deer (all deer seasons and sexes combined) in 2014 (Figure 16, Table 8), compared to the 43% successful in 2013. About 20% of hunters took an antlerless deer, and 27% took an antlered buck in 2013. About 11% of deer hunters harvested two or more deer.

Hunters were most successful in taking a deer during the archery (30%), Liberty (29%), and regular firearm (29%) seasons (Figure 17, Table 9). Hunter success was lowest in the

muzzleloader (12%) and Independence (13%) seasons. Nearly 19% of hunters took an antlered buck and 12% harvested an antlerless deer during the regular firearm season.

Deer hunters were asked to report how satisfied they were with (1) number of deer seen, (2) number of antlered deer [bucks] seen, (3) number of deer taken, and (4) their overall hunting experience. Statewide, ≤39% of hunters were satisfied with numbers of deer seen, bucks seen, deer taken, and their overall hunting experience in 2014 (Tables 10-11). Statewide levels of satisfaction decreased significantly for all measures between 2013 and 2014.

Statewide, about 57% of hunters supported the antler point restrictions on buck harvest implemented for the UP (Table 12), and about 63% of the hunters that preferred to hunt in the UP supported the antler point restrictions. Statewide support for the restrictions significantly increased between 2013 and 2014.

Statewide, about 47% of hunters supported the antler point restrictions on buck harvest implemented for the DMU 487 (Table 13), and about 52% of the hunters that preferred to hunt in the northeast LP supported the restrictions. Statewide support for the restrictions in DMU 487 was significantly increased, and opposition decreased significantly between 2013 and 2014 (decreased from 20% to 19%).

About 174,558 hunters used a crossbow during the archery season, and they harvested about 59,266 deer with the crossbow (Tables 14-16). The number of archers using a crossbow increased significantly by 7% from 2013 (162,728 archers in 2013). Harvest of deer by archers using a crossbow was nearly unchanged from last year (58,772 deer taken in 2013). About 30% of these archers using a crossbow in 2014 harvested a deer with a crossbow.

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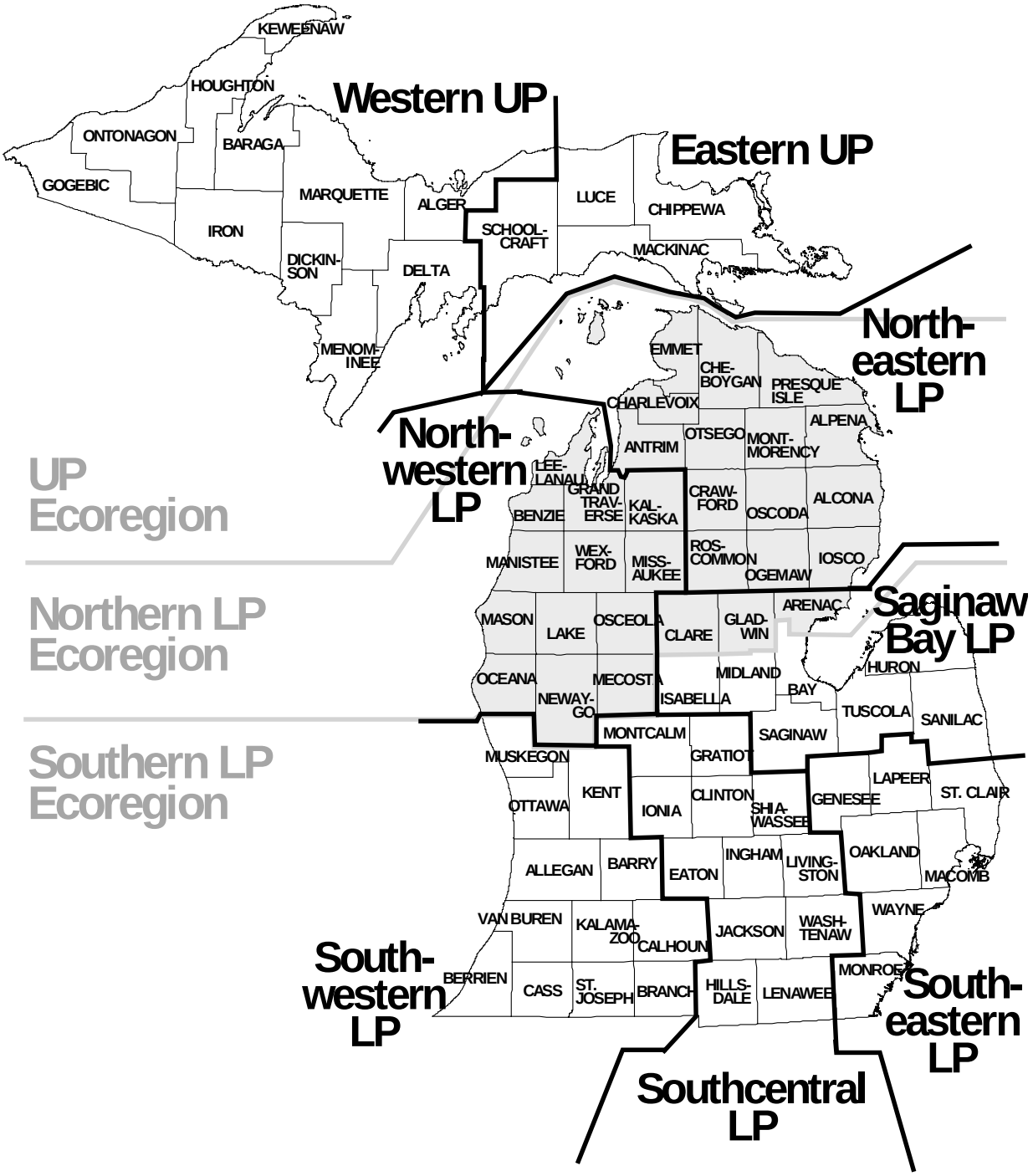

Figure 1. Areas used to summarize deer harvest in Michigan for the 2014 hunting seasons.

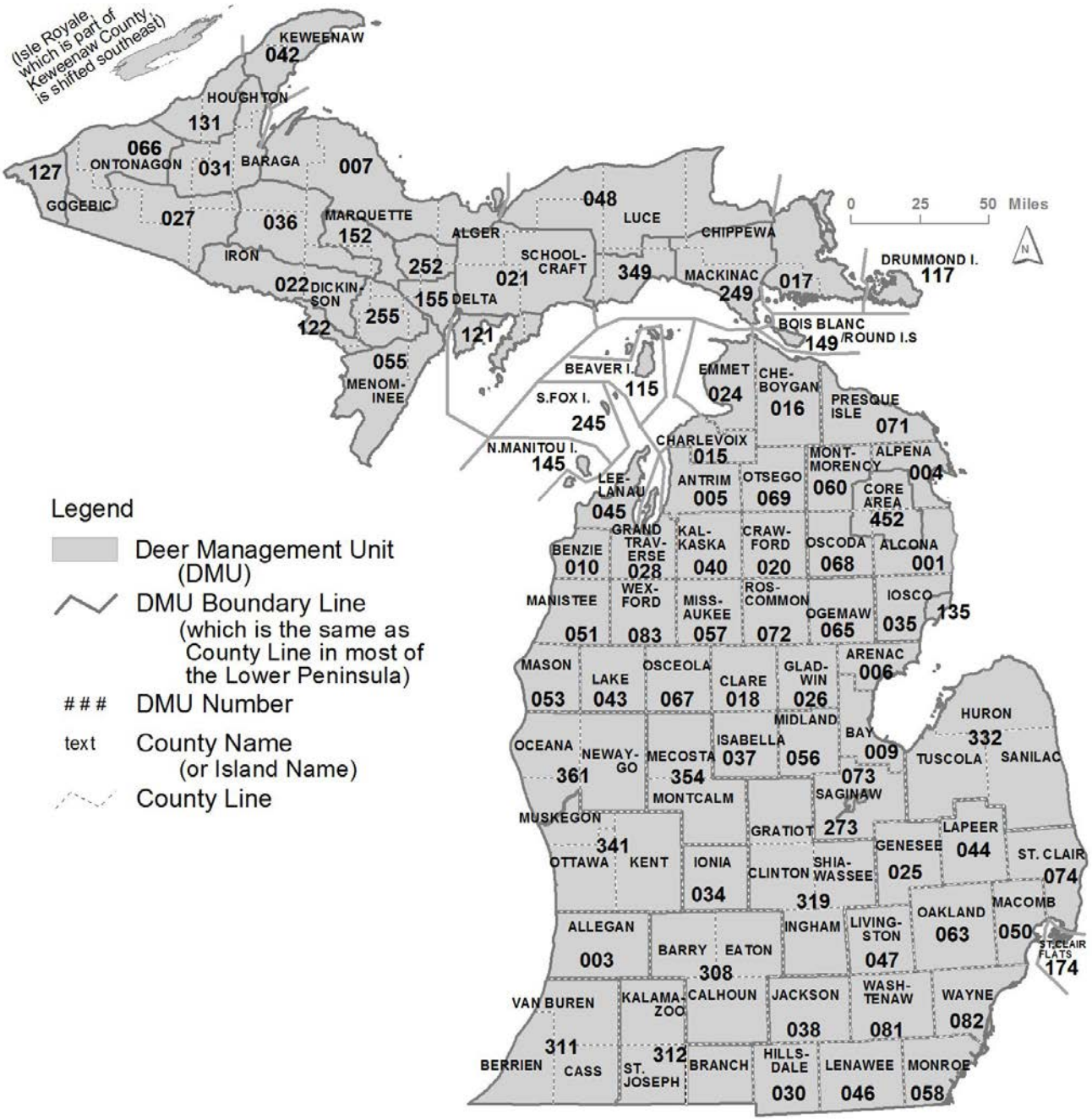

Figure 2. Deer Management Units in Michigan for the 2014 hunting seasons.

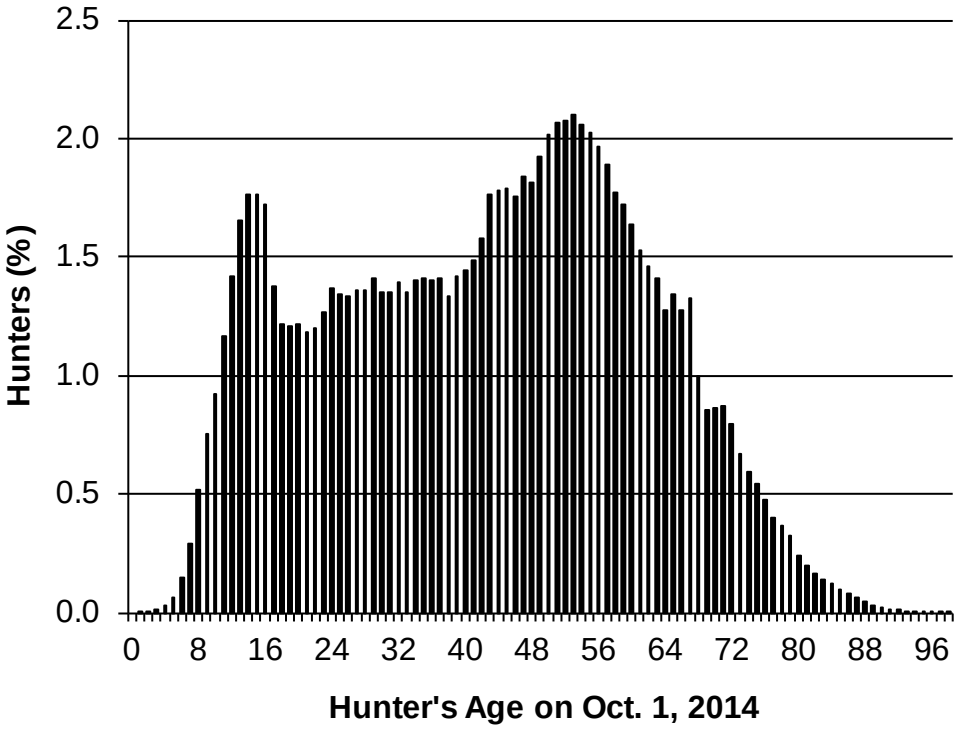

Figure 3. Age of people that purchased a deer hunting license in Michigan for the 2014 hunting seasons ($\bar{x}$ = 42 years).

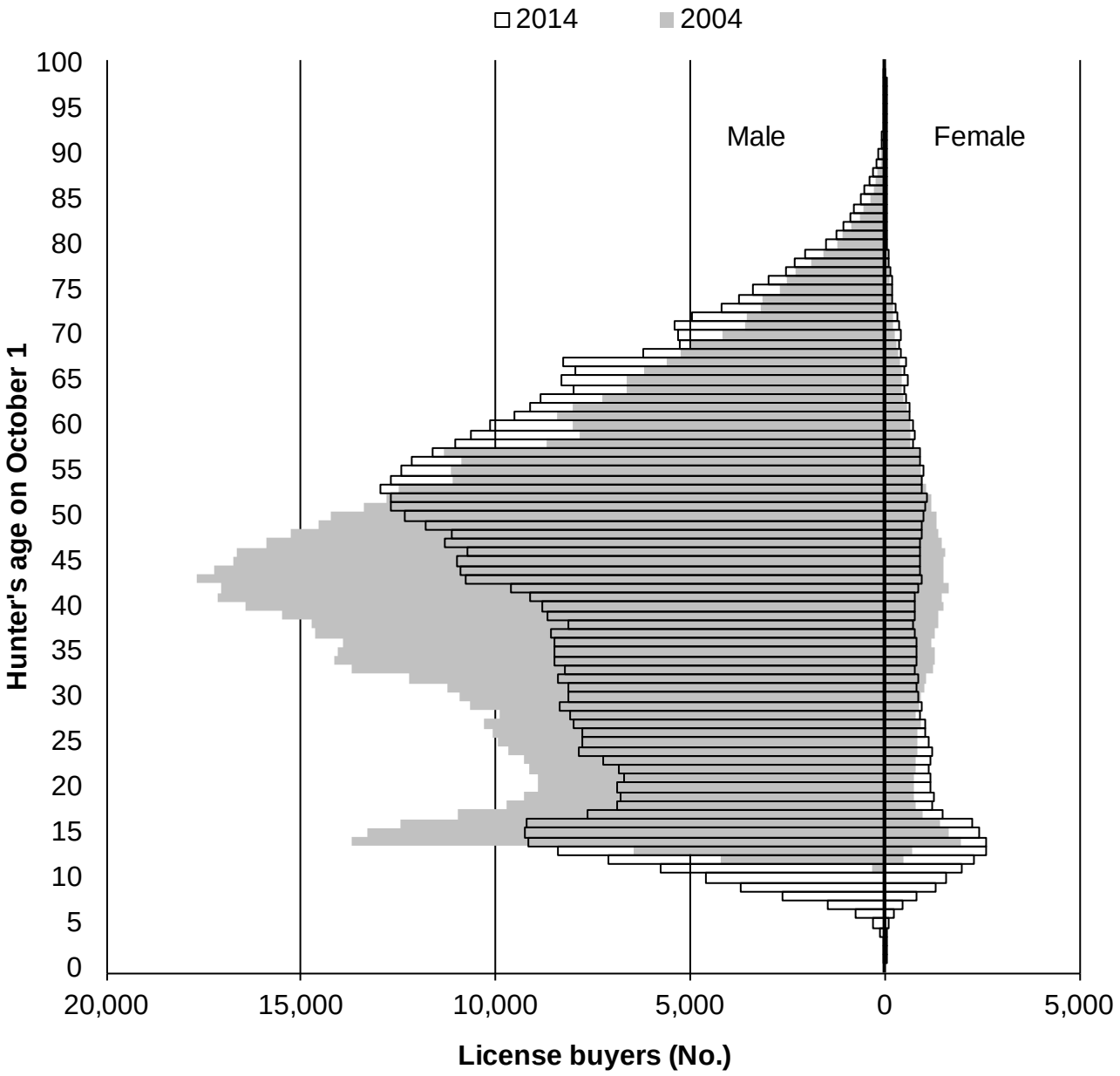

Figure 4. Number of deer hunting license buyers in Michigan by age and sex during 2004 and 2014 hunting seasons. Deer hunting licenses were purchased by 755,924 people in 2004 and 664,762 people in 2014.

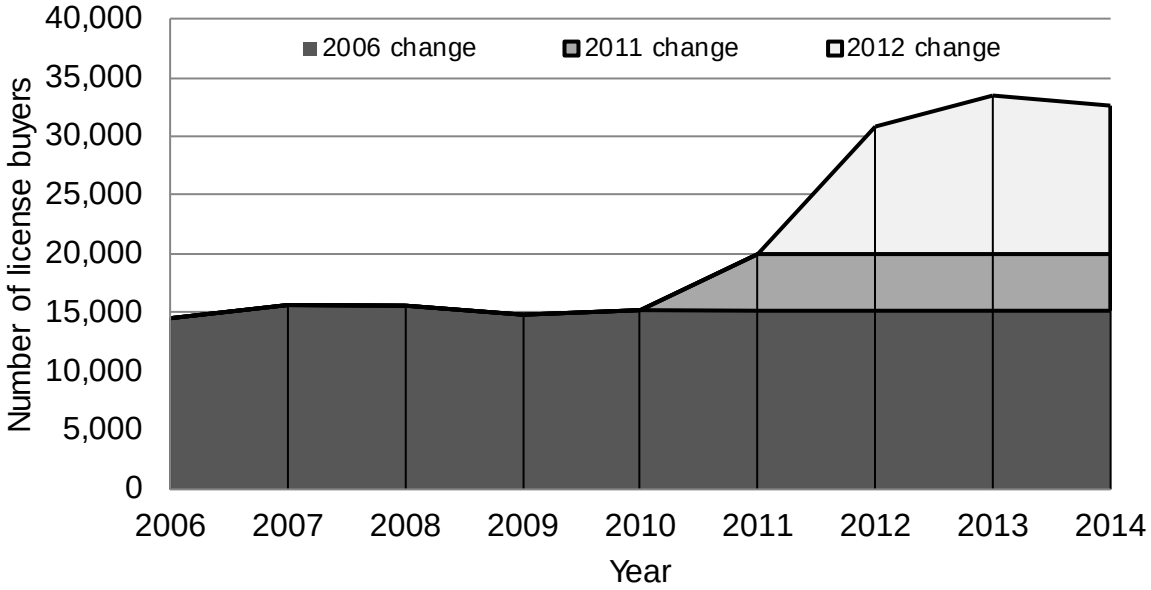

Figure 5. The number of youth deer hunting license buyers by year during 2006-2014, showing annual differences attributed to lowering the minimum age requirement.

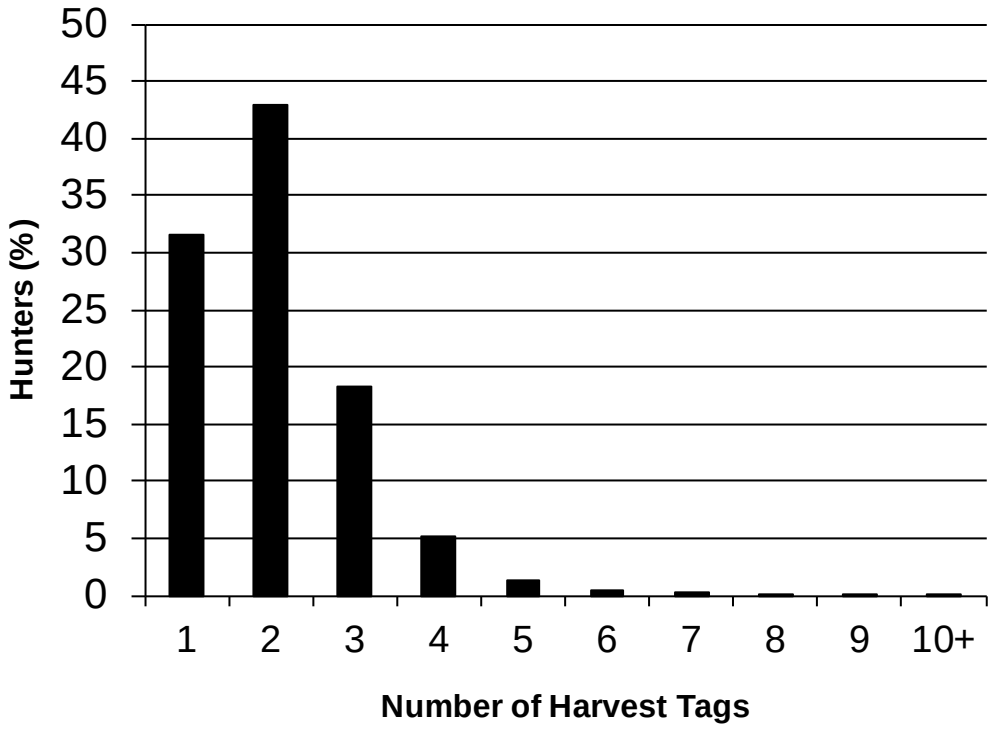

Figure 6. Number of harvest tags (all license and tag types) issued per person for hunting deer in Michigan during the 2014 hunting seasons ($\bar{x}$ = 2.1 tags). Licenses were purchased by 664,762 people.

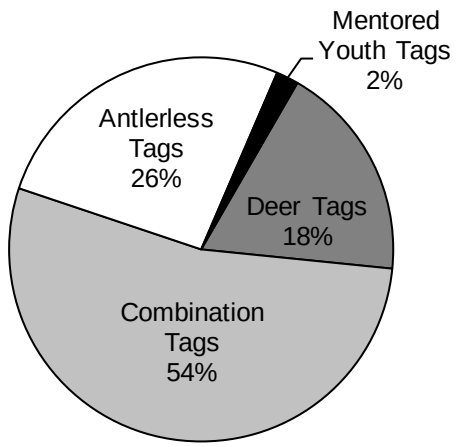

Figure 7. Types of harvest tags issued for deer hunting in Michigan during the 2014 hunting seasons.

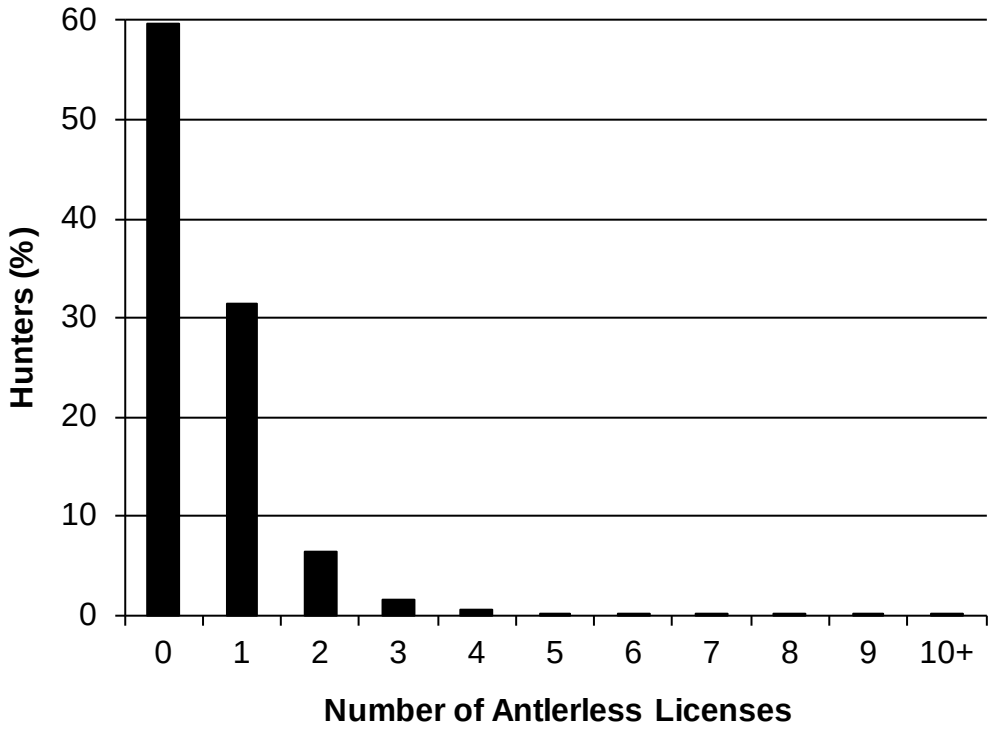

Figure 8. Percentage of deer hunting license buyers (all license types) purchasing an antlerless license in Michigan, 2014. Antlerless licenses were purchased by 267,905 of 664,762 people (40%) buying deer hunting licenses.

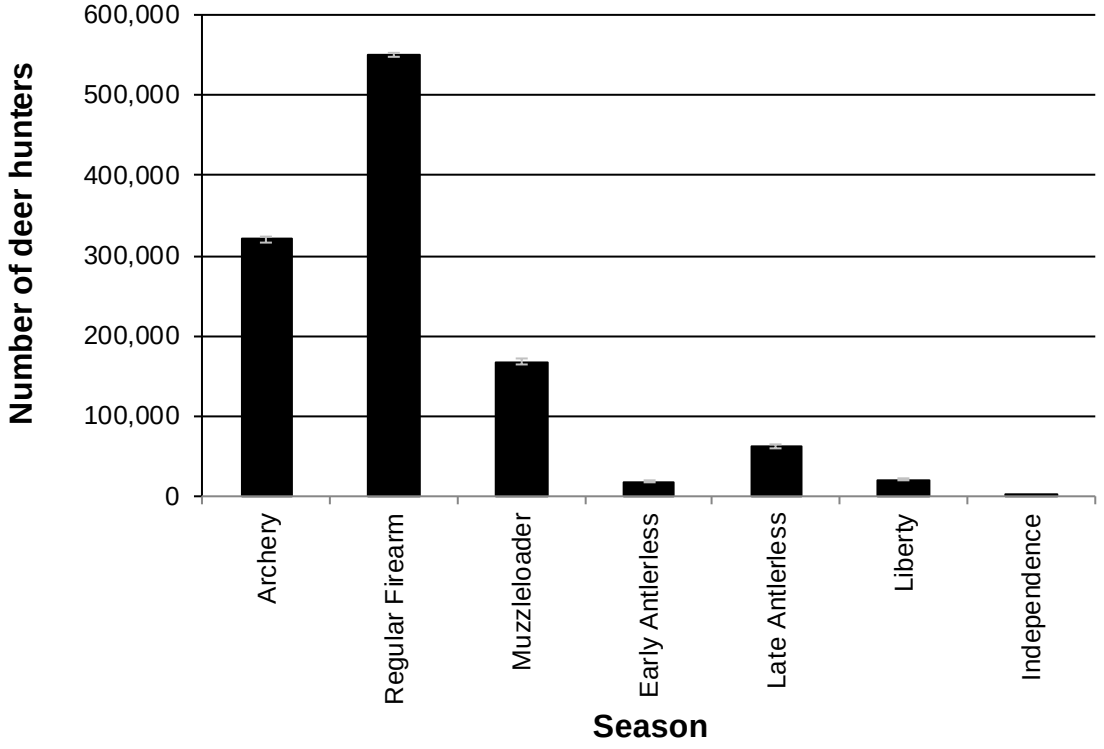

Figure 9. Number of people hunting deer in Michigan during the 2014 hunting seasons. Error bars represent the 95% CLs.

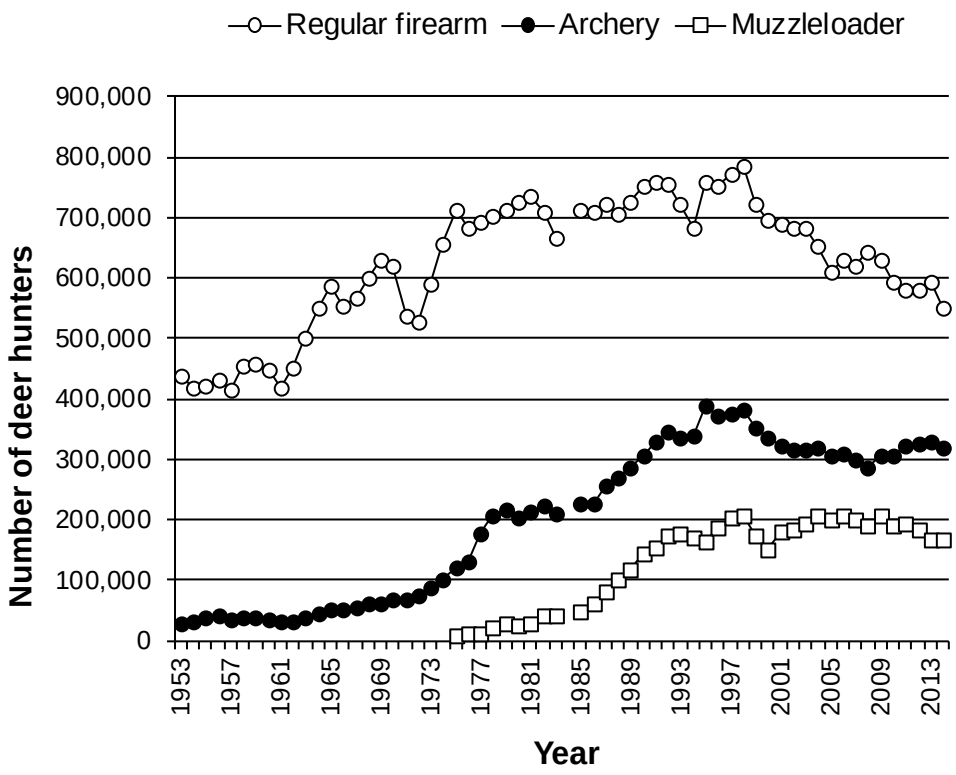

Figure 10. Number of people hunting deer in Michigan during the regular firearm, archery, and muzzleloader seasons, 1953-2014.

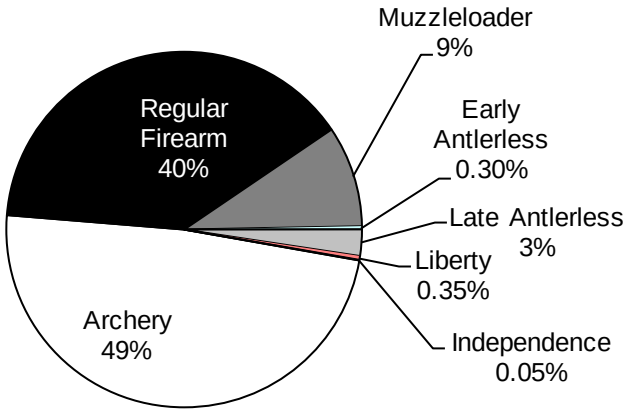

Figure 11. Distribution of hunting effort among deer hunting seasons in Michigan, 2014.

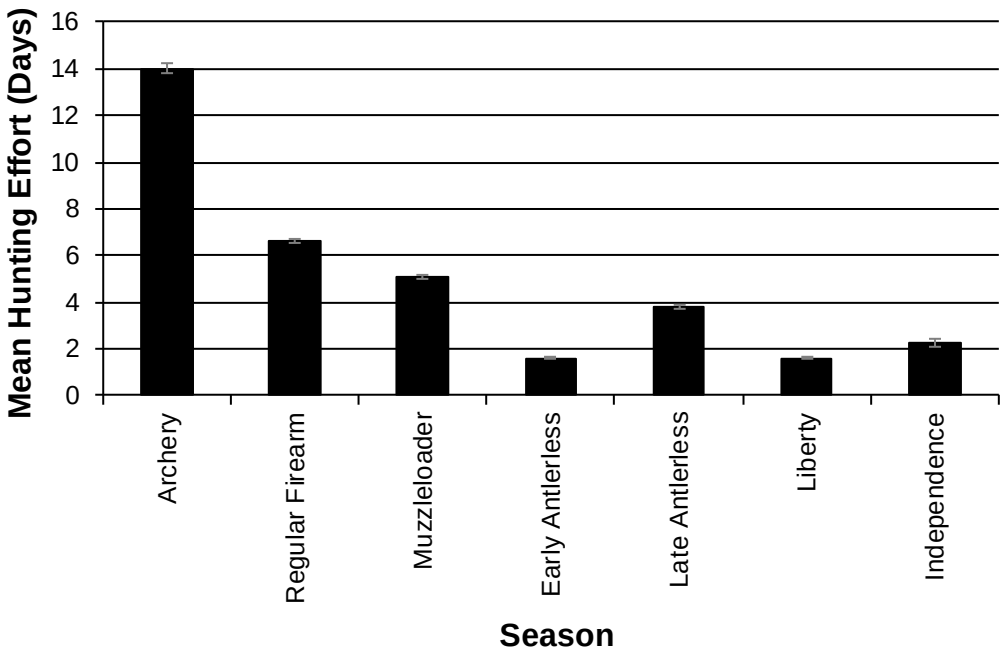

Figure 12. Mean number of days per hunter spent hunting deer in Michigan during the 2014 hunting seasons. Error bars represent the 95% CLs.

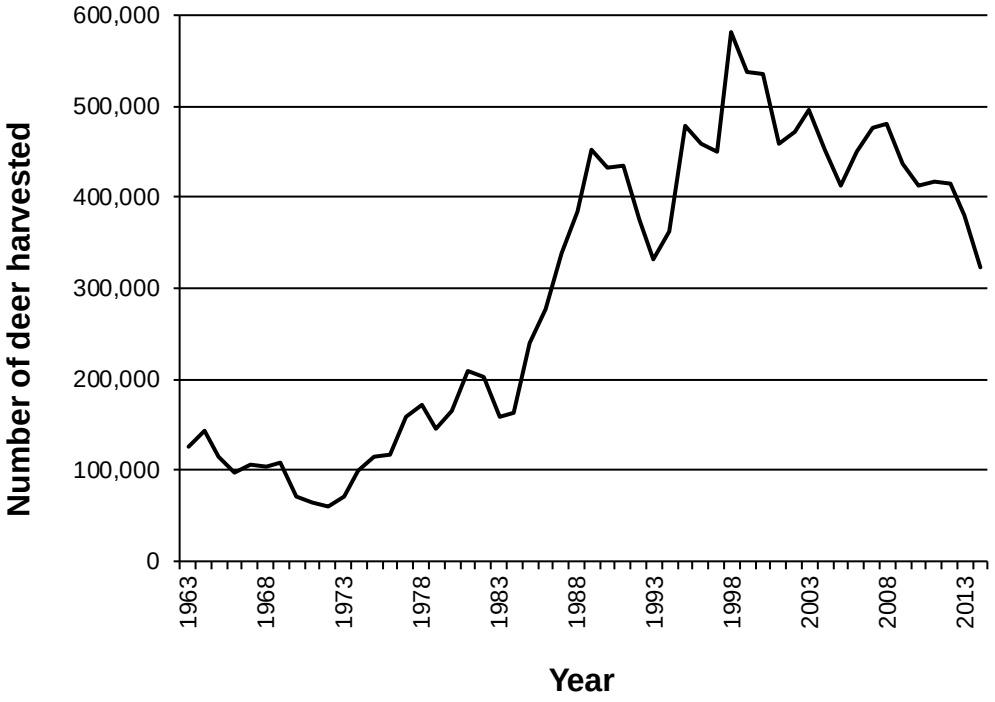

Figure 13. Number of deer harvested in Michigan's hunting seasons, 1963-2014. Harvest from all seasons and for all deer sexes was combined.

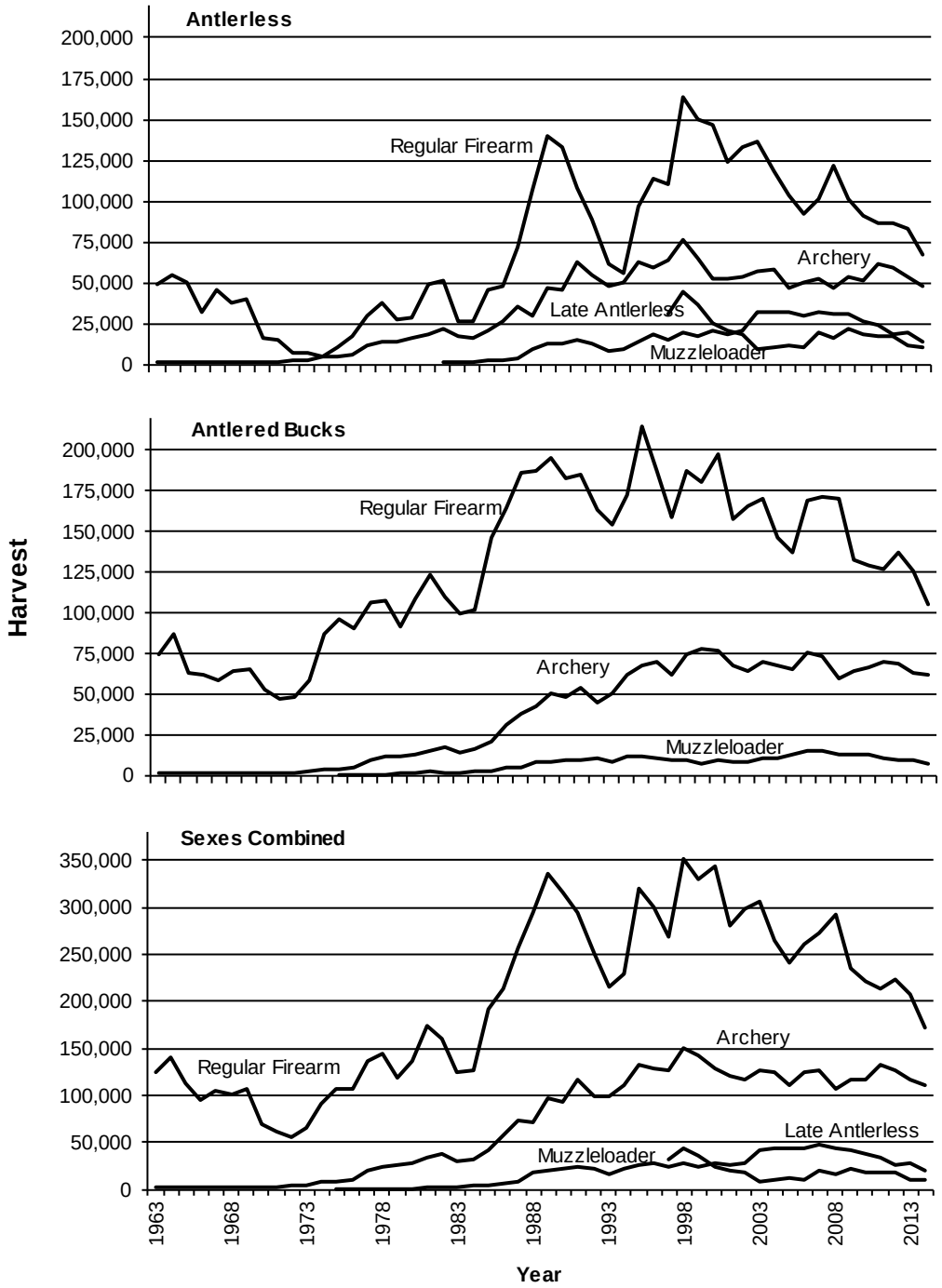

Figure 14. Number of deer harvested in Michigan's hunting seasons, 1963-2014. Harvests for early antlerless, youth, and special disabled hunter seasons were not shown.

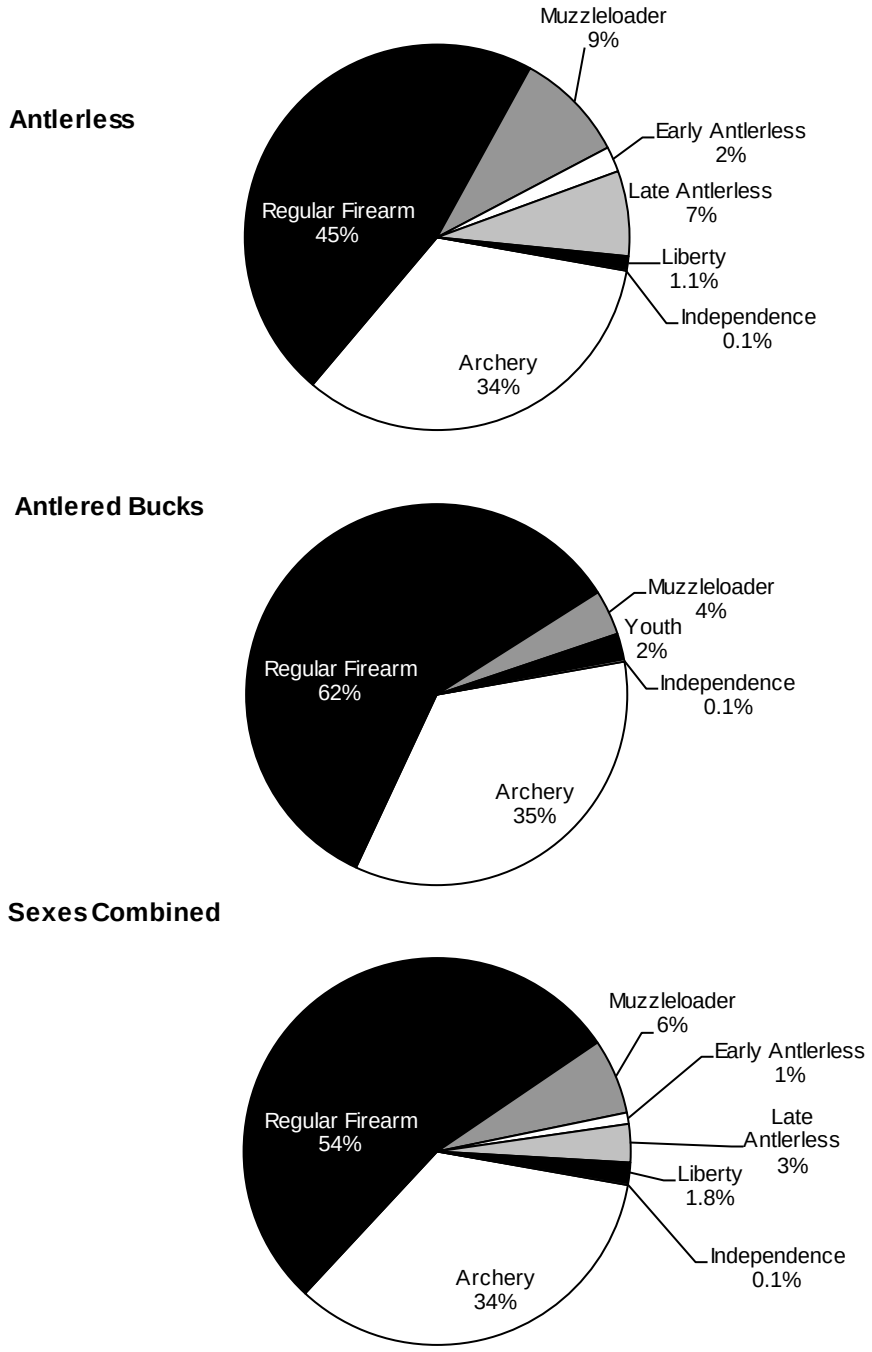

Figure 15. Distribution of harvest among deer hunting seasons in Michigan, 2014. Antlered deer had antlers at least 3 inches in length; antlerless deer included deer without antlers and deer with antlers less than 3 inches in length.

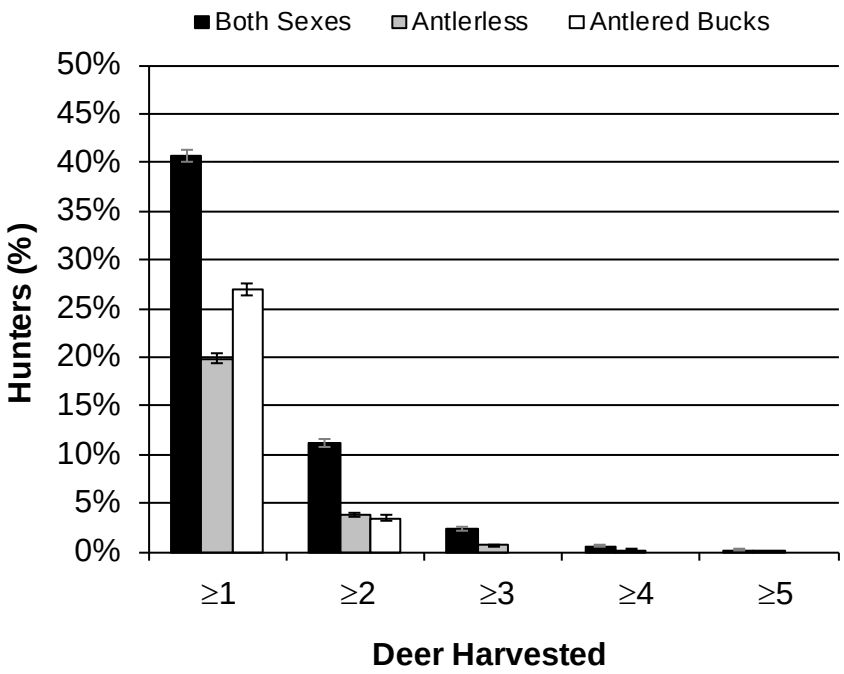

Figure 16. Percentage of hunters harvesting a deer in Michigan, 2014. Error bars represent the 95% CLs.

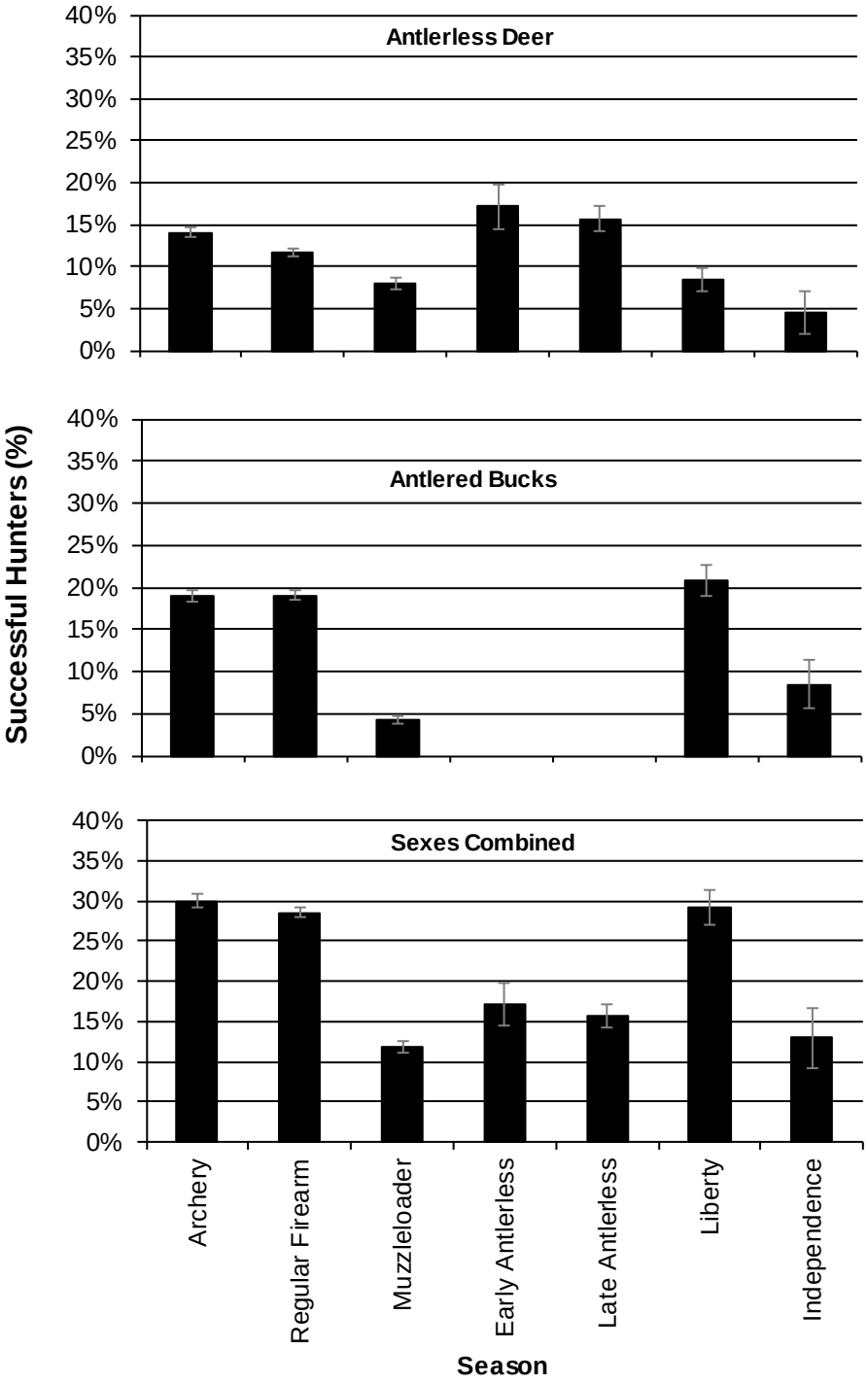

Figure 17. Percentage of hunters harvesting a deer in Michigan's deer hunting seasons, 2014. Error bars represent the 95% CLs. Antlered deer had at least one antler at least 3 inches in length; antlerless deer included deer without antlers and deer with antlers less than 3 inches in length.

Table 1. Type of deer that could be taken during the 2014 Michigan deer hunting seasons for each combination of season and hunting license.

Type of license (harvest tag) or permit	Season	Type of deer that could be harvested[a]
Deer License	Archery seasons	Antlerless or antlered deer[b]
Deer License	Regular Firearm or Muzzleloader seasons	Antlered deer statewide or antlerless deer in DMU 487
Deer License	Liberty and Independence seasons	Antlerless or antlered deer
Combination License[d] (Regular harvest tag)	Archery seasons	Antlerless or antlered deer[b]
Combination License[d] (Regular harvest tag)	Regular Firearm or Muzzleloader seasons	Antlered deer statewide or antlerless deer in DMU 487
Combination License[d] (Regular harvest tag)	Liberty and Independence seasons	Antlerless or antlered deer
Combination License[d] (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[d] (Restricted harvest tag)	Regular Firearm or Muzzleloader seasons	A deer that has at least 1 antler with 4 or more antler points (1 or more inches in length) or an antlerless deer in DMU 487
Combination License[d] (Restricted harvest tag)	Liberty and Independence seasons[c]	Antlerless or antlered deer

[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).

[b]If a person took 2 antlered deer during all seasons combined (except Mentored Youth hunters), one of the antlered deer must have had at least 1 antler with 4 or more antler points, each point being 1 or more inches in length.

[c]Youth less than 14 years of age could hunt with archery and crossbow equipment on public or private lands or with a firearm on private or Commercial Forest lands only. Hunters could harvest only 1 deer in the Liberty and Independence seasons.

[d]Combination licenses included two harvest tags (i.e., regular and restricted harvest tags).

Table 1 (Continued). Type of deer that could be taken during the 2014 Michigan deer hunting seasons for each combination of season and hunting license.

Type of license (harvest tag) or permit	Season	Type of deer that could be harvested[a]
Mentored Youth	Archery, Regular Firearm, Liberty, Independence, or Muzzleloader seasons	Antlerless or antlered deer
Mentored Youth	Antlerless seasons	Antlerless deer only
Antlerless License[e]	All seasons	Antlerless deer only
Deer Management Assistance (DMA) permit[f]	All seasons	Antlerless deer only
Managed Deer Hunt permit[g]	Specified season	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).

[b]If a person took 2 antlered deer during all seasons combined (except Mentored Youth hunters), one of the antlered deer must have had at least 1 antler with 4 or more antler points, each point being 1 or more inches in length.

[c]Youth less than 14 years of age could hunt with archery and crossbow equipment on public or private lands or with a firearm on private or Commercial Forest lands only. Hunters could harvest only 1 deer in the Liberty and Independence seasons.

[d]Combination licenses included two harvest tags (i.e., regular and restricted harvest tags).

[e]Although antlerless licenses were only valid for taking an antlerless deer, a person with a valid antlerless deer hunting license that killed a male deer with antlers less than 3 inches in length could choose to tag the male deer with any deer hunting license (firearm, archery or either combination license).

[f]Permits issued to landowners in areas where the number of antlerless licenses was insufficient to meet the objective of specific landowners (i.e., controlling disease or the deer population). To use these permits, the hunter must also have purchased a valid deer hunting license for the season in which they were hunting.

[g]Permits for special hunts on designated public lands (e.g., some state parks, game areas, and federal property). These permits valid only during specific dates, which varied among areas. Permits issued to applicants using a lottery (i.e., random selection). To use these permits, the hunter must also have purchased a valid deer hunting license.

Table 2. Michigan deer licenses purchased and harvest tags issued, 2012-2014.

Licenses or Harvest Tags	Number Purchased or Issued 2012	2013	2014	Change Between 2013 and 2014 (%)
Firearm Licenses[a]				
Resident	193,144	187,757	0	NA
Non-resident	12,442	13,452	0	NA
Senior	36,739	36,411	0	NA
Junior	21,303	23,964	0	NA
Active Military	1,127	1,568	0	NA
Disabled Veteran		753	0	NA
Subtotal	264,755	263,905	0	NA
Archery Licenses[a]				
Resident	42,831	40,146	0	NA
Non-resident	3,325	3,365	0	NA
Junior	3,793	3,584	0	NA
Senior	6,870	6,916	0	NA
Active Military	383	494	0	NA
Disabled Veteran		283	0	NA
Subtotal	57,202	54,788	0	NA
Deer Licenses[a]				
Resident	0	0	164,670	NA
Non-resident	0	0	13,611	NA
Junior	0	0	37,801	NA
Senior	0	0	35,569	NA
Lifetime	0	0	509	NA
Active Military	0	0	570	NA
Disabled Veteran	0	0	381	NA
Subtotal	0	0	253,111	NA
Combination Licenses[b]				
Resident	279,436	282,328	286,400	1.4
Non-resident	2,155	2,289	3,510	53.3
Junior	46,298	46,622	27,845	-40.3
Senior	43,262	43,440	41,130	-5.3
Lifetime	NA	NA	1,085	NA
Active Military	1,849	3,498	5,389	54.1
Disabled Veteran	NA	2,910	5,385	85.1
Subtotal	373,000	381,087	370,744	-2.7
Antlerless Licenses				
Resident	417,676	405,313	278,180	-31.4
Non-resident	2,150	2,134	3,414	60.0
Junior	3,481	4,354	23,096	430.5
Senior	0	0	40,417	NA
Lifetime	NA	NA	182	NA
Active Military	2,338	4,295	4,536	5.6
Pure Michigan Hunt	3	3	3	0.0
Disabled Veteran	0	1,954	4,023	105.8
Deer Management Assistance	8,234	8,981	9,797	9.1
Managed Deer Hunt	274	185	629	240.0
Subtotal	434,156	427,219	364,277	-14.7
Mentored Youth Licenses[b]	10,361	12,384	12,959	4.6
Total Licenses Sold	1,139,474	1,139,383	1,001,091	-12.1

[a]The separate firearm and archery deer licenses available in 2013 were replaced by the single deer license in 2014.
[b]Combination and Mentored Youth (prior to 2014) licenses included two harvest tags. Other license types had one harvest tag.

Table 2 (Continued). Michigan deer licenses purchased and harvest tags issued, 2012-2014.

Licenses or Harvest Tags	Number Purchased or Issued 2012	2013	2014	Change Between 2013 and 2014 (%)
Harvest Tags Issued				
Firearm[a]	264,755	263,905	0	NA
Archery[a]	57,202	54,788	0	NA
Deer[a]	0	0	253,111	NA
Combination[b]	746,000	762,174	741,488	-2.7
Antlerless	434,156	427,219	364,277	-14.7
Mentored Youth[b]	20,722	24,768	12,959	-47.7
Total Harvest Tags	1,522,835	1,532,854	1,371,835	-10.5

[a]Firearm and Archery license types were replaced in 2014 with a Deer license.
[b]Combination and Mentored Youth (prior to 2014) licenses included two harvest tags. Other license types had one harvest tag.

Table 3. Number of deer hunters and hunting effort in Michigan by hunting season, 2013-2014.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2013	2014	95% CL[b]	Change from 2013 to 2014 (%)	2013	2014	95% CL[b]	Change from 2013 to 2014 (%)
Archery								
West UP	24,922	21,480	1,429	-13.8*	267,471	239,815	21,674	-10.3
East UP	7,724	7,319	851	-5.2	76,546	76,690	12,824	0.2
NE LP	47,977	48,510	2,102	1.1	499,360	485,824	29,892	-2.7
NW LP	64,711	62,660	2,352	-3.2	746,257	780,213	40,676	4.6
Sag. Bay	60,631	53,569	2,181	-11.6*	757,837	695,319	39,252	-8.2
SW LP	54,412	54,061	2,184	-0.6	735,931	714,355	38,228	-2.9
SC LP	64,922	63,045	2,326	-2.9	854,202	837,619	41,961	-1.9
SE LP	36,471	36,029	1,817	-1.2	456,010	456,767	30,800	0.2
UP	32,363	28,543	2,491	-11.8	344,017	316,505	25,184	-8.0
NLP	130,698	126,662	3,784	-3.1	1,493,706	1,480,503	54,613	-0.9
SLP	189,246	182,557	3,645	-3.5	2,555,890	2,489,593	72,643	-2.6
Statewide[c]	328,655	320,243	3,956	-2.6*	4,393,613	4,286,602	94,816	-2.4
Regular Firearm								
West UP	70,704	54,946	2,205	-22.3*	502,433	381,453	18,597	-24.1*
East UP	22,179	18,731	1,344	-15.5*	135,071	115,150	9,713	-14.7
NE LP	108,733	102,036	2,909	-6.2*	619,224	591,885	21,393	-4.4
NW LP	118,184	107,380	2,949	-9.1*	673,005	615,696	21,867	-8.5*
Sag. Bay	94,472	84,222	2,664	-10.9*	551,139	502,746	19,910	-8.8*
SW LP	80,079	75,247	2,513	-6.0	496,100	471,190	19,624	-5.0
SC LP	97,577	91,532	2,704	-6.2*	586,718	553,207	21,136	-5.7
SE LP	39,950	39,786	1,903	-0.4	233,358	233,417	13,685	0.0
UP	92,571	73,181	1,638	-20.9*	637,503	496,603	20,980	-22.1*
NLP	254,818	233,981	3,149	-8.2*	1,476,586	1,374,449	32,642	-6.9*
SLP	274,499	256,673	3,472	-6.5*	1,682,958	1,593,691	35,858	-5.3*
Statewide[c]	593,079	549,222	2,813	-7.4*	3,797,047	3,464,744	53,243	-8.8*

[a]Excluded people that did not hunt during the season.
[b]95% confidence limit for the 2014 estimate. *P<0.005.
[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, 2013-2014.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2013	2014	95% CL[b]	Change from 2013 to 2014 (%)	2013	2014	95% CL[b]	Change from 2013 to 2014 (%)
Muzzleloader								
West UP	13,857	11,735	1,072	-15.3	65,707	57,527	5,962	-12.4
East UP	4,259	3,650	602	-14.3	18,763	17,893	3,329	-4.6
NE LP	19,420	18,521	1,342	-4.6	75,280	74,927	6,214	-0.5
NW LP	22,348	22,729	1,472	1.7	89,337	96,225	7,353	7.7
Sag. Bay	29,497	28,330	1,627	-4.0	130,726	130,226	9,009	-0.4
SW LP	30,687	31,675	1,713	3.2	155,818	166,193	10,801	6.7
SC LP	35,412	36,180	1,806	2.2	173,866	184,962	11,444	6.4
SE LP	17,833	16,943	1,272	-5.0	86,988	84,516	7,919	-2.8
UP	18,054	15,328	1,220	-15.1*	84,470	75,420	6,829	-10.7
NLP	49,376	48,679	2,114	-1.4	195,084	202,903	10,459	4.0
SLP	103,043	102,570	2,815	-0.5	516,930	534,147	19,360	3.3
Statewide[c]	167,832	167,765	3,447	0.0	796,484	812,469	23,285	2.0
Early Antlerless								
West UP	0	0	0		0	0	0	
East UP	0	0	0		0	0	0	
NE LP	3,695	2,999	503	-18.8	5,667	4,919	852	-13.2
NW LP	2,084	655	209	-68.6*	2,827	964	328	-65.9*
Sag. Bay	6,194	5,713	680	-7.8	9,319	9,118	1,152	-2.2
SW LP	6,021	0	0	*	8,849	0	0	*
SC LP	8,124	3,179	520	-60.9*	11,003	4,518	796	-58.9*
SE LP	4,532	4,670	631	3.0	6,564	6,874	990	4.7
UP	0	0	0		0	0	0	
NLP	6,164	4,046	569	-34.4*	9,167	6,487	951	-29.2*
SLP	24,333	13,106	1,034	-46.1*	35,063	19,906	1,695	-43.2*
Statewide[c]	31,155	18,503	569	-40.6*	44,230	26,393	1,968	-40.3*

[a]Excluded people that did not hunt during the season.
[b]95% confidence limit for the 2014 estimate. *P<0.005.
[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, 2013-2014.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2013	2014	95% CL[b]	Change from 2013 to 2014 (%)	2013	2014	95% CL[b]	Change from 2013 to 2014 (%)
Late Antlerless								
West UP	0	0	0		0	0	0	
East UP	0	0	0		0	0	0	
NE LP	3,643	5,070	700	39.2*	11,638	16,241	2,695	39.5
NW LP	2,547	4,607	660	80.9*	7,002	15,216	2,769	117.3*
Sag. Bay	9,952	9,785	962	-1.7	30,823	33,558	4,093	8.9
SW LP	14,170	14,404	1,161	1.7	47,952	51,719	5,104	7.9
SC LP	18,100	18,147	1,284	0.3	56,365	62,854	5,482	11.5
SE LP	8,347	8,949	926	7.2	25,701	31,038	3,919	20.8
UP	0	0	0		0	0	0	
NLP	6,591	10,186	979	54.5*	19,883	33,338	3,980	67.7*
SLP	49,656	49,988	2,019	0.7	159,598	177,289	9,343	11.1
Statewide[c]	57,137	63,251	2,222	10.7*	179,481	210,627	10,308	17.4*
Liberty[d]								
West UP	1,560	1,350	246	-13.5	2,635	2,186	413	-17.0
East UP	360	336	109	-6.6	583	482	171	-17.4
NE LP	2,744	2,606	347	-5.0	4,300	4,196	598	-2.4
NW LP	4,640	4,949	481	6.7	7,232	7,757	820	7.3
Sag. Bay	4,255	3,607	408	-15.2	6,746	5,576	658	-17.3
SW LP	1,923	2,331	319	21.2	2,723	3,640	531	33.7
SC LP	3,646	3,129	368	-14.2	5,297	4,785	604	-9.7
SE LP	1,926	1,717	284	-10.9	3,096	2,688	486	-13.2
UP	1,920	1,686	268	-12.2	3,218	2,667	447	-17.1
NLP	8,713	8,793	621	0.9	13,649	13,941	1,085	2.1
SLP	10,353	9,522	629	-8.0	15,744	14,702	1,081	-6.6
Statewide[c]	21,011	20,516	874	-2.4	32,611	31,310	1,604	-4.0

[a]Excluded people that did not hunt during the season.
[b]95% confidence limit for the 2014 estimate. *P<0.005.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.
[d]Estimates included results of both youth and disabled hunters.

Table 3 (continued). Number of deer hunters and hunting effort in Michigan by hunting season, 2013-2014.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2013	2014	95% CL[b]	Change from 2013 to 2014 (%)	2013	2014	95% CL[b]	Change from 2013 to 2014 (%)
Independence								
West UP	76	121	60	58.9	184	301	166	63.5
East UP	39	62	55	58.4	83	163	110	96.1
NE LP	286	183	70	-35.9	606	510	225	-15.9
NW LP	344	387	111	12.5	627	651	168	3.8
Sag. Bay	236	521	170	120.9	371	919	295	147.8*
SW LP	376	300	133	-20.2	777	635	305	-18.3
SC LP	359	357	145	-0.4	535	779	395	45.5
SE LP	236	186	94	-21.5	590	355	238	-39.8
UP	115	182	82	58.7	267	464	199	73.7
NLP	684	772	164	12.9	1,283	1,617	358	26.0
SLP	1,153	1,161	258	0.7	2,223	2,232	586	0.4
Statewide[c]	1,975	2,309	334	16.9	3,773	4,313	721	14.3
All Seasons								
West UP	78,894	62,495	2,328	-20.8*	838,265	681,151	37,000	-18.7*
East UP	25,707	22,320	1,461	-13.2*	231,006	210,346	20,214	-8.9
NE LP	123,451	117,165	3,063	-5.1	1,216,024	1,178,480	48,209	-3.1
NW LP	135,481	125,088	3,118	-7.7*	1,526,556	1,517,580	59,858	-0.6
Sag. Bay	112,675	100,478	2,858	-10.8*	1,487,041	1,377,485	60,334	-7.4
SW LP	97,027	91,512	2,731	-5.7	1,448,081	1,407,424	60,798	-2.8
SC LP	119,588	111,700	2,930	-6.6*	1,687,908	1,648,342	66,505	-2.3
SE LP	56,234	54,613	2,193	-2.9	812,359	815,650	47,110	0.4
UP	103,937	84,099	2,635	-19.1*	1,069,270	891,497	42,161	-16.6*
NLP	289,262	268,548	3,867	-7.2*	3,209,697	3,114,296	83,223	-3.0
SLP	334,502	311,748	3,723	-6.8*	4,968,272	4,830,665	113,841	-2.8
Statewide[c]	661,788	614,593	1,817	-7.1*	9,247,240	8,836,458	148,061	-4.4*

[a]Excluded people that did not hunt during the season.
[b]95% confidence limit for the 2014 estimate. *P<0.005.
[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 ($\bar{x}$ hunting effort) in Michigan by hunting season, 2014.[a]

	Season							
	Archery		Regular Firearm		Muzzleloader		Early Antlerless	
Area	$\bar{x}$ days	95% CL[b]	$\bar{x}$ days	95% CL[b]	$\bar{x}$ days	95% CL[b]	$\bar{x}$ days	95% CL[b]
West UP	11.3	0.7	7.0	0.2	5.0	0.3	0.0	0.0
East UP	10.6	1.3	6.2	0.3	5.0	0.4	0.0	0.0
NE LP	10.4	0.5	5.9	0.1	4.1	0.2	1.7	0.1
NW LP	12.7	0.4	5.8	0.1	4.3	0.2	1.6	0.2
Sag. Bay	13.3	0.5	6.1	0.1	4.7	0.2	1.7	0.1
SW LP	13.4	0.5	6.4	0.1	5.3	0.2	0.0	0.0
SC LP	13.5	0.4	6.2	0.1	5.3	0.2	1.5	0.1
SE LP	12.9	0.6	6.0	0.2	5.1	0.3	1.5	0.1
UP	11.2	0.6	6.8	0.1	5.0	0.2	0.0	0.0
NLP	12.0	0.3	5.9	0.1	4.2	0.1	1.6	0.1
SLP	13.9	0.3	6.3	0.1	5.3	0.1	1.6	0.0
Statewide	14.0	0.2	6.6	0.1	5.1	0.1	1.6	0.0

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

Table 4 (Continued). Mean number of days hunters spent hunting deer ($\bar{x}$ hunting effort) in Michigan by hunting season, 2014.[a]

	Season							
	Late Antlerless		Liberty		Independence		All Seasons	
Area	$\bar{x}$ days	95% CL[b]	$\bar{x}$ days	95% CL[b]	$\bar{x}$ days	95% CL[b]	$\bar{x}$ days	95% CL[b]
West UP	0.0	0.0	1.6	0.1	2.6	0.4	11.0	0.4
East UP	0.0	0.0	1.6	0.2	2.5	0.6	9.4	0.7
NE LP	3.5	0.3	1.7	0.1	2.7	0.4	10.2	0.3
NW LP	3.5	0.4	1.6	0.0	2.1	0.2	12.3	0.4
Sag. Bay	3.8	0.3	1.6	0.1	1.9	0.3	13.9	0.5
SW LP	3.8	0.2	1.6	0.1	2.2	0.4	15.6	0.5
SC LP	3.8	0.2	1.6	0.1	2.4	0.5	15.0	0.4
SE LP	3.7	0.2	1.6	0.1	2.7	0.6	15.1	0.6
UP	0.0	0.0	1.6	0.1	2.6	0.3	10.7	0.4
NLP	3.5	0.2	1.6	0.0	2.3	0.2	11.7	0.2
SLP	3.8	0.1	1.6	0.0	2.2	0.3	15.7	0.3
Statewide	3.8	0.1	1.6	0.0	2.3	0.2	15.1	0.2

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

Table 5. Number of deer harvested in Michigan, 2012-2014.

Season or permit	Type of deer	2012	2013	2014	Change from 2013 to 2014 (%)
Season					
Archery	Antlerless	58,933	53,890	48,136	-10.7*
	Antlered bucks	68,348	62,933	61,886	-1.7
	Sexes combined	127,281	116,823	110,022	-5.8
Regular firearm	Antlerless	85,978	82,693	67,503	-18.4*
	Antlered bucks	137,280	125,625	105,258	-16.2*
	Sexes combined	223,258	208,317	172,761	-17.1*
Muzzleloader	Antlerless	17,901	19,311	13,404	-30.6*
	Antlered bucks	9,034	9,020	6,816	-24.4*
	Sexes combined	26,935	28,331	20,220	-28.6*
Early antlerless	Antlerless	6,045	5,820	3,086	-47.0*
Late antlerless	Antlerless	17,498	11,228	10,264	-8.6
Liberty[a]	Antlerless	4,846	2,696	1,646	-39.0*
	Antlered bucks	7,857	5,285	4,079	-22.8*
	Sexes combined	12,703	7,981	5,725	-28.3*
Independence[b]	Antlerless	162	97	100	2.5
	Antlered bucks	121	195	189	-3.1
	Sexes combined	283	292	288	-1.2
Special permits[c]	Antlerless	6,213	6,508	6,673	2.5
Grand Total	Antlerless	197,577	182,245	150,812	-17.2*
	Antlered bucks	222,640	203,057	178,228	-12.2*
	Sexes combined	420,217	385,302	329,040	-14.6*

[a]2012 estimates for the Liberty Hunt excluded disabled hunters, but 2013 and 2014 estimates included results of both youth and disabled hunters.
[b]2012 estimates for the Independence Hunt included two separate disabled hunter seasons, but 2013 and 2014 estimates included only one season.
[c]Includes deer harvested with DMA permits. These permits could be used during any deer hunting season.
*P<0.005.

Table 6. Number of deer harvested in Michigan by hunting season, 2013-2014.[a]

Season and Area	Antlerless 2013 Harvest	Antlerless 2014 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2013 to 2014 (%)	Antlered Bucks 2013 Harvest	Antlered Bucks 2014 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2013 to 2014	Sexes Combined 2013 Harvest	Sexes Combined 2014 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2013 to 2014
Archery												
West UP	4,332	3,214	600	-25.8	3,781	2,642	509	-30.1	8,111	5,852	824	-27.9*
East UP	1,356	1,078	357	-20.5	760	682	266	-10.3	2,114	1,758	463	-16.8
NE LP	6,693	5,868	797	-12.3	5,765	5,724	757	-0.7	12,455	11,589	1,160	-7.0
NW LP	10,763	9,266	1,015	-13.9	8,985	10,405	1,047	15.8	19,741	19,668	1,550	-0.4
Sag. Bay	10,218	7,687	911	-24.8*	11,692	10,282	1,023	-12.1	21,909	17,970	1,476	-18.0*
SW LP	6,574	7,899	965	20.2	10,352	11,275	1,095	8.9	16,930	19,177	1,570	13.3
SC LP	9,280	8,554	988	-7.8	14,450	14,051	1,196	-2.8	23,737	22,611	1,699	-4.7
SE LP	4,674	4,570	702	-2.2	7,148	6,825	849	-4.5	11,825	11,397	1,205	-3.6
UP	5,688	4,291	699	-24.6	4,541	3,323	574	-26.8	10,226	7,610	945	-25.6*
NLP	21,100	17,747	1,392	-15.9*	18,346	19,000	1,403	3.6	39,435	36,740	2,101	-6.8
SLP	27,102	26,098	1,720	-3.7	40,045	39,562	2,024	-1.2	67,163	65,672	2,883	-2.2
Statewide	53,890	48,136	2,336	-10.7*	62,933	61,886	2,541	-1.7	116,823	110,022	3,711	-5.8
Regular Firearm												
West UP	4,016	1,531	410	-61.9*	18,484	12,320	1,130	-33.3*	22,521	13,876	1,230	-38.4*
East UP	1	42	56	>100	4,073	2,413	482	-40.7*	4,081	2,462	485	-39.7*
NE LP	13,781	12,833	1,168	-6.9	22,681	19,318	1,392	-14.8*	36,465	32,149	1,921	-11.8*
NW LP	15,914	12,229	1,131	-23.2*	19,787	17,629	1,318	-10.9	35,693	29,854	1,845	-16.4*
Sag. Bay	16,020	12,389	1,161	-22.7*	20,528	16,033	1,258	-21.9*	36,542	28,414	1,827	-22.2*
SW LP	11,346	9,453	999	-16.7	13,406	13,145	1,152	-1.9	24,745	22,594	1,625	-8.7
SC LP	17,109	15,117	1,293	-11.6	20,439	17,942	1,356	-12.2	37,539	33,046	2,015	-12.0*
SE LP	4,506	3,907	697	-13.3	6,228	6,458	816	3.7	10,732	10,366	1,128	-3.4
UP	4,017	1,574	413	-60.8*	22,557	14,734	1,229	-34.7*	26,601	16,338	1,323	-38.6*
NLP	34,350	29,001	1,748	-15.6*	48,101	41,415	2,033	-13.9*	82,444	70,407	2,846	-14.6*
SLP	44,326	36,928	2,023	-16.7*	54,967	49,110	2,227	-10.7*	99,272	86,016	3,210	-13.4*
Statewide	82,693	67,503	2,737	-18.4*	125,625	105,258	3,280	-16.2*	208,317	172,761	4,532	-17.1*

[a]Harvest estimates do not include deer taken with DMA permits. An additional 6,673 deer were taken with these permits.
[b]95% confidence limit for the 2014 estimate. *P<0.005.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 2013-2014.[a]

Season and Area	Antlerless 2013 Harvest	Antlerless 2014 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2013 to 2014 (%)	Antlered Bucks 2013 Harvest	Antlered Bucks 2014 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2013 to 2014	Sexes Combined 2013 Harvest	Sexes Combined 2014 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2013 to 2014
Muzzleloader												
West UP	1,327	399	207	-69.9*	977	933	294	-4.4	2,302	1,329	360	-42.3*
East UP	11	0	0		390	251	154	-35.6	399	250	154	-37.3
NE LP	2,831	1,472	380	-48.0*	881	618	242	-29.8	3,713	2,091	450	-43.7*
NW LP	2,197	1,625	407	-26.0	791	454	206	-42.6	2,989	2,081	468	-30.4
Sag. Bay	4,429	2,796	528	-36.9*	1,598	1,127	324	-29.5	6,029	3,925	639	-34.9*
SW LP	2,920	2,530	524	-13.4	1,557	1,342	347	-13.8	4,476	3,872	637	-13.5
SC LP	3,884	3,599	595	-7.3	1,774	1,551	382	-12.6	5,658	5,151	732	-8.9
SE LP	1,714	983	326	-42.7	1,052	539	223	-48.8	2,765	1,521	401	-45.0*
UP	1,337	399	207	-70.2*	1,367	1,185	332	-13.3	2,701	1,579	391	-41.5*
NLP	6,187	3,541	592	-42.8*	2,182	1,213	338	-44.4*	8,372	4,756	689	-43.2*
SLP	11,787	9,465	986	-19.7*	5,471	4,418	639	-19.2	17,259	13,884	1,207	-19.6*
Statewide	19,311	13,404	1,185	-30.6*	9,020	6,816	811	-24.4*	28,331	20,220	1,466	-28.6*
Early Antlerless												
West UP	0	0	0		0	0	0	0	0	0	0	
East UP	0	0	0		0	0	0	0	0	0	0	
NE LP	1,297	614	219	-52.6*	0	0	0	0	1,297	614	219	-52.6*
NW LP	395	103	92	-73.8*	0	0	0	0	395	103	92	-73.8*
Sag. Bay	1,166	1,001	294	-14.1	0	0	0	0	1,166	1,001	294	-14.1
SW LP	796	0	0	*	0	0	0	0	796	0	0	*
SC LP	1,729	697	261	-59.7*	0	0	0	0	1,729	697	261	-59.7*
SE LP	437	670	242	53.4	0	0	0	0	437	670	242	53.4
UP	0	0	0		0	0	0	0	0	0	0	
NLP	1,765	791	246	-55.1*	0	0	0	0	1,765	791	246	-55.1*
SLP	4,056	2,295	457	-43.4*	0	0	0	0	4,056	2,295	457	-43.4*
Statewide	5,820	3,086	527	-47.0*	0	0	0	0	5,820	3,086	527	-47.0*

[a]Harvest estimates do not include deer taken with DMA permits. An additional 6,673 deer were taken with these permits.
[b]95% confidence limit for the 2014 estimate. *P<0.005.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 2013-2014.[a]

Season and Area	Antlerless 2013 Harvest	Antlerless 2014 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2013 to 2014 (%)	Antlered Bucks 2013 Harvest	Antlered Bucks 2014 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2013 to 2014	Sexes Combined 2013 Harvest	Sexes Combined 2014 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2013 to 2014
Late Antlerless												
West UP	0	0	0		0	0	0	0	0	0	0	
East UP	0	0	0		0	0	0	0	0	0	0	
NE LP	1,095	1,095	322	0.0	0	0	0	0	1,095	1,095	322	0.0
NW LP	713	734	262	2.9	0	0	0	0	713	734	262	2.9
Sag. Bay	2,402	2,143	469	-10.8	0	0	0	0	2,402	2,143	469	-10.8
SW LP	2,035	1,859	427	-8.6	0	0	0	0	2,035	1,859	427	-8.6
SC LP	3,769	3,016	585	-20.0	0	0	0	0	3,769	3,016	585	-20.0
SE LP	1,215	1,417	385	16.6	0	0	0	0	1,215	1,417	385	16.6
UP	0	0	0		0	0	0	0	0	0	0	
NLP	1,847	2,092	449	13.3	0	0	0	0	1,847	2,092	449	13.3
SLP	9,381	8,173	930	-12.9	0	0	0	0	9,381	8,173	930	-12.9
Statewide	11,228	10,264	1,054	-8.6	0	0	0	0	11,228	10,264	1,054	-8.6
Liberty[c]												
West UP	217	160	76	-26.2	411	204	87	-50.3	628	365	115	-41.9
East UP	45	35	35	-23.2	32	11	20	-66.0	77	46	41	-40.9
NE LP	529	217	105	-58.9*	594	541	141	-9.0	1,122	758	176	-32.4
NW LP	795	603	160	-24.1	1,288	1,046	205	-18.8	2,082	1,649	260	-20.8
Sag. Bay	530	214	87	-59.6*	1,073	828	184	-22.8	1,603	1,042	204	-35.0*
SW LP	198	96	71	-51.7	349	343	113	-1.6	547	439	134	-19.7
SC LP	198	197	84	-0.6	1,207	728	170	-39.7*	1,407	925	189	-34.3*
SE LP	185	124	88	-33.0	331	377	132	14.1	516	501	159	-2.8
UP	262	195	84	-25.7	443	215	89	-51.4	705	410	122	-41.8*
NLP	1,575	928	201	-41.1*	2,040	1,892	274	-7.3	3,612	2,820	340	-21.9*
SLP	860	523	154	-39.1	2,802	1,972	283	-29.6*	3,665	2,495	322	-31.9*
Statewide	2,696	1,646	268	-39.0*	5,285	4,079	405	-22.8*	7,981	5,725	485	-28.3*

[a]Harvest estimates do not include deer taken with DMA permits. An additional 6,673 deer were taken with these permits.
[b]95% confidence limit for the 2014 estimate. *P<0.005.
[c]Estimates included results of both youth and disabled hunters.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 2013-2014.[a]

Season and Area	Antlerless 2013 Harvest	Antlerless 2014 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2013 to 2014 (%)	Antlered Bucks 2013 Harvest	Antlered Bucks 2014 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2013 to 2014	Sexes Combined 2013 Harvest	Sexes Combined 2014 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2013 to 2014
Independence												
West UP	4	7	5	59.1%	2	3	3	71.0%	7	10	6	52.8%
East UP	0	2	2		2	2	2	-14.5%	2	3	3	82.5%
NE LP	13	12	6	-5.2%	36	12	7	-66.0%	48	24	10	-49.3%
NW LP	51	9	5	-82.8%	25	48	30	92.3%	80	57	31	-29.3%
Sag. Bay	3	40	52	1075.4%	21	85	50	307.0%	23	125	73	433.2%*
SW LP	16	7	5	-55.9%	42	9	5	-79.7%	58	16	7	-72.9%
SC LP	7	20	21	191.4%	63	27	21	-57.7%	67	46	30	-30.5%
SE LP	3	3	3	2.7%	4	3	3	-14.5%	8	7	5	-8.8%
UP	4	9	5	98.9%	4	5	4	28.3%	9	14	6	59.3%
NLP	65	26	8	-59.5%	61	96	47	59.2%	130	123	48	-5.4%
SLP	28	65	56	133.4%	130	87	42	-33.1%	153	152	70	-1.1%
Statewide	97	100	57	2.5%	195	189	63	-3.1%	292	288	86	-1.2%
All Seasons												
West UP	9,910	5,332	767	-46.2%*	23,652	16,078	1,319	-32.0%*	33,588	21,438	1,603	-36.2%*
East UP	1,415	1,164	363	-17.7%	5,255	3,354	590	-36.2%*	6,677	4,524	716	-32.3%*
NE LP	26,234	22,106	1,637	-15.7%*	29,952	26,195	1,661	-12.5%*	56,185	48,298	2,523	-14.0%*
NW LP	30,845	24,604	1,650	-20.2%*	30,881	29,595	1,786	-4.2%	61,717	54,196	2,646	-12.2%*
Sag. Bay	34,767	26,252	1,849	-24.5%*	34,916	28,360	1,736	-18.8%*	69,673	54,600	2,820	-21.6%*
SW LP	23,880	21,845	1,676	-8.5%	25,702	26,122	1,725	1.6%	49,579	47,964	2,692	-3.3%
SC LP	35,951	31,168	2,054	-13.3%*	37,933	34,310	1,944	-9.6%	73,877	65,465	3,200	-11.4%*
SE LP	12,733	11,668	1,263	-8.4%	14,765	14,215	1,251	-3.7%	27,498	25,882	1,981	-5.9%
UP	11,325	6,496	849	-42.6%*	28,907	19,431	1,445	-32.8%*	40,265	25,961	1,756	-35.5%*
NLP	66,912	54,161	2,510	-19.1%*	70,734	63,616	2,605	-10.1%*	137,632	117,767	3,928	-14.4%*
SLP	97,499	83,482	3,338	-14.4%*	103,416	95,180	3,240	-8.0%*	200,896	178,638	5,225	-11.1%*
Statewide	175,737	144,139	4,310	-18.0%*	203,057	178,228	4,433	-12.2%*	378,794	322,367	6,829	-14.9%*

[a]Harvest estimates do not include deer taken with DMA permits. An additional 6,673 deer were taken with these permits.
[b]95% confidence limit for the 2014 estimate. *P<0.005.

Table 7. Number of deer harvested on public and private lands during all seasons combined in Michigan by management region, 2013-2014.[a]

Season and Area	Antlerless 2013 Harvest	Antlerless 2014 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2013 to 2014 (%)	Antlered Bucks 2013 Harvest	Antlered Bucks 2014 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2013 to 2014	Sexes Combined 2013 Harvest	Sexes Combined 2014 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2013 to 2014
Public Lands												
West UP	2,310	722	280	-68.8*	7,297	3,680	620	-49.6*	9,623	4,421	696	-54.1*
East UP	260	340	203	31.0	1,809	1,117	333	-38.3	2,074	1,462	390	-29.5
NE LP	6,281	5,123	767	-18.4	7,565	7,238	871	-4.3	13,842	12,358	1,219	-10.7
NW LP	4,934	3,323	582	-32.6*	5,748	5,458	779	-5.1	10,678	8,784	1,006	-17.7
Sag. Bay	4,394	2,774	539	-36.9*	3,896	2,983	554	-23.4	8,281	5,749	836	-30.6*
SW LP	1,487	1,437	423	-3.4	1,713	1,442	386	-15.8	3,199	2,873	609	-10.2
SC LP	1,975	2,121	476	7.4	2,001	2,138	469	6.8	3,974	4,250	739	7.0
SE LP	1,153	882	291	-23.5	1,385	1,014	332	-26.8	2,537	1,894	466	-25.4
UP	2,570	1,062	345	-58.7*	9,106	4,797	704	-47.3*	11,697	5,882	797	-49.7*
NLP	12,875	9,233	998	-28.3*	15,199	14,048	1,224	-7.6	28,065	23,282	1,648	-17.0*
SLP	7,349	6,427	844	-12.5	7,109	6,224	807	-12.4	14,447	12,626	1,272	-12.6
Statewide	22,795	16,722	1,386	-26.6*	31,414	25,069	1,639	-20.2*	54,209	41,791	2,259	-22.9*
Private Lands												
West UP	7,605	4,612	714	-39.4*	16,352	12,400	1,159	-24.2*	23,971	17,028	1,437	-29.0*
East UP	1,156	827	292	-28.4	3,445	2,238	488	-35.0*	4,605	3,068	592	-33.4*
NE LP	19,965	17,021	1,442	-14.7	22,385	18,963	1,413	-15.3*	42,350	35,981	2,192	-15.0*
NW LP	25,916	21,288	1,537	-17.9*	25,132	24,140	1,602	-4.0	51,041	45,424	2,425	-11.0*
Sag. Bay	30,373	23,474	1,759	-22.7*	31,022	25,375	1,642	-18.2*	61,389	48,842	2,679	-20.4*
SW LP	22,386	20,392	1,614	-8.9	23,991	24,676	1,678	2.9	46,375	45,068	2,613	-2.8
SC LP	33,964	29,025	1,999	-14.5*	35,934	32,168	1,884	-10.5	69,895	61,187	3,104	-12.5*
SE LP	11,578	10,779	1,225	-6.9	13,380	13,199	1,206	-1.4	24,959	23,979	1,913	-3.9
UP	8,760	5,439	772	-37.9*	19,798	14,638	1,257	-26.1*	28,576	20,096	1,554	-29.7*
NLP	54,055	44,972	2,292	-16.8*	55,531	49,576	2,293	-10.7*	109,577	94,538	3,536	-13.7*
SLP	90,127	77,007	3,223	-14.6*	96,314	88,945	3,134	-7.7*	186,432	165,943	5,048	-11.0*
Statewide	152,942	127,417	4,065	-16.7*	171,643	153,159	4,111	-10.8*	324,585	280,576	6,405	-13.6*

[a]Harvest estimates do not include deer taken with DMA permits. An additional 6,673 deer were taken with these permits.
[b]95% confidence limit for the 2014 estimate. *P<0.005.

Table 8. Percentage of deer hunters harvesting deer in Michigan during all seasons, 2014.[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	7.8	1.1	0.9	0.4	0.0	0.1	0.0	0.0	0.0	0.0
East UP	4.7	1.4	0.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0
NE LP	16.4	1.1	2.4	0.4	0.4	0.2	0.1	0.1	0.0	0.0
NW LP	17.5	1.0	2.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0
Sag. Bay	21.4	1.3	4.4	0.6	0.8	0.3	0.2	0.1	0.1	0.1
SW LP	19.9	1.3	3.8	0.6	0.5	0.2	0.2	0.2	0.0	0.1
SC LP	22.7	1.2	4.6	0.6	1.0	0.3	0.2	0.1	0.1	0.1
SE LP	18.1	1.6	2.8	0.7	0.6	0.3	0.3	0.2	0.2	0.2
UP	7.1	0.9	0.8	0.3	0.0	0.1	0.0	0.0	0.0	0.0
NLP	17.7	0.7	2.6	0.3	0.3	0.1	0.1	0.0	0.0	0.0
SLP	21.8	0.7	4.4	0.4	0.9	0.2	0.2	0.1	0.1	0.1
Statewide[d]	19.9	0.5	3.8	0.2	0.7	0.1	0.2	0.1	0.1	0.0
Antlered bucks[c]										
West UP	24.4	1.7	2.1	0.6						
East UP	14.6	2.4	0.9	0.6						
NE LP	21.3	1.2	1.8	0.4						
NW LP	21.9	1.1	2.6	0.4						
Sag. Bay	26.6	1.4	2.6	0.5						
SW LP	25.8	1.4	3.7	0.6						
SC LP	28.0	1.3	3.7	0.6						
SE LP	24.3	1.8	2.6	0.7						
UP	22.0	1.4	1.9	0.5						
NLP	22.2	0.8	2.3	0.3						
SLP	27.9	0.8	3.6	0.3						
Statewide[d]	26.9	0.6	3.5	0.2						

[a]Excluded 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.
[d]The statewide estimate was derived from all hunters, including hunters that had failed to report where they hunted. In contrast, regional estimates were derived from only hunters that had reported hunting in the area.

Table 8 (continued). Percentage of deer hunters harvesting deer in Michigan during all seasons, 2014.[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	30.5	1.8	4.4	0.8	0.4	0.3	0.0	0.1	0.0	0.0
East UP	18.4	2.6	2.5	1.0	0.0	0.0	0.0	0.0	0.1	0.1
NE LP	34.4	1.4	6.4	0.7	1.2	0.3	0.4	0.2	0.0	0.0
NW LP	35.2	1.3	8.3	0.8	1.1	0.3	0.1	0.1	0.1	0.1
Sag. Bay	41.8	1.5	11.0	1.0	2.5	0.5	0.5	0.2	0.1	0.1
SW LP	39.3	1.6	11.5	1.0	2.4	0.5	0.6	0.3	0.2	0.2
SC LP	42.9	1.4	13.2	1.0	3.1	0.5	0.8	0.3	0.2	0.2
SE LP	37.3	2.0	8.6	1.2	1.8	0.6	0.6	0.3	0.2	0.2
UP	27.5	1.5	4.0	0.7	0.3	0.2	0.0	0.1	0.0	0.0
NLP	35.8	0.9	7.9	0.5	1.2	0.2	0.2	0.1	0.1	0.1
SLP	42.4	0.9	12.5	0.6	2.9	0.3	0.8	0.2	0.2	0.2
Statewide[d]	40.6	0.6	11.1	0.4	2.4	0.2	0.6	0.1	0.2	0.1

[a]Excluded 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.
[d]The statewide estimate was derived from all hunters, including hunters that had failed to report where they hunted. In contrast, regional estimates were derived from only hunters that had reported hunting in the area.

Table 9. Percentage of deer hunters harvesting at least one deer in Michigan by hunting season, 2014.[a]

Sex and Area	Season											
	Archery		Regular Firearm		Muzzleloader		Early Antlerless		Late Antlerless		Liberty	
	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	14.0	2.4	2.6	0.7	3.2	1.6	0.0	0.0	0.0	0.0	12.4	5.6
East UP	13.3	3.9	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	10.7	10.4
NE LP	11.6	1.4	11.9	1.0	8.0	2.0	20.7	6.8	20.4	5.6	8.7	4.0
NW LP	13.7	1.4	10.6	0.9	6.9	1.7	16.1	13.2	15.2	5.1	12.7	3.2
Sag. Bay	13.3	1.4	13.6	1.2	9.6	1.7	17.3	4.7	20.4	4.0	6.2	2.5
SW LP	13.1	1.4	11.8	1.2	7.6	1.5	0.0	0.0	12.4	2.7	4.3	3.1
SC LP	12.5	1.3	15.1	1.2	9.9	1.6	21.4	7.1	15.3	2.6	6.5	2.7
SE LP	12.2	1.7	9.0	1.4	5.4	1.7	14.6	5.0	14.7	3.7	7.5	5.1
UP	13.9	2.1	2.0	0.5	2.5	1.3	0.0	0.0	0.0	0.0	12.0	5.0
NLP	13.2	0.9	11.6	0.6	7.2	1.2	19.8	5.7	19.3	3.8	11.0	2.3
SLP	13.1	0.8	13.2	0.6	8.9	0.9	17.4	3.2	15.2	1.6	5.7	1.6
Statewide	14.0	0.6	11.6	0.4	7.9	0.7	17.2	2.6	15.7	1.4	8.4	1.3
Antlered Bucks												
West UP	12.5	2.3	22.0	1.8	8.0	2.5	0.0	0.0	0.0	0.0	15.7	6.3
East UP	9.3	3.4	13.1	2.5	7.0	4.3	0.0	0.0	0.0	0.0	3.4	6.2
NE LP	11.8	1.5	18.7	1.2	3.4	1.3	0.0	0.0	0.0	0.0	21.6	5.2
NW LP	16.2	1.5	16.2	1.1	2.0	0.9	0.0	0.0	0.0	0.0	22.0	3.9
Sag. Bay	19.0	1.7	18.8	1.3	4.0	1.2	0.0	0.0	0.0	0.0	23.9	4.8
SW LP	20.1	1.7	17.1	1.4	4.3	1.1	0.0	0.0	0.0	0.0	15.3	4.8
SC LP	21.8	1.6	18.9	1.3	4.3	1.1	0.0	0.0	0.0	0.0	24.2	5.0
SE LP	18.5	2.0	15.8	1.8	3.2	1.4	0.0	0.0	0.0	0.0	22.9	7.1
UP	11.8	1.9	19.8	1.5	7.8	2.2	0.0	0.0	0.0	0.0	13.3	5.2
NLP	14.7	1.0	17.4	0.8	2.5	0.7	0.0	0.0	0.0	0.0	22.4	2.9
SLP	21.1	0.9	18.7	0.8	4.4	0.6	0.0	0.0	0.0	0.0	21.5	2.8
Statewide	18.9	0.7	19.1	0.5	4.2	0.5	0.0	0.0	0.0	0.0	20.8	1.9

[a]Excluded 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, 2014.[a]

Sex and Area	Season											
	Archery		Regular Firearm		Muzzleloader		Early Antlerless		Late Antlerless		Liberty	
	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	25.2	3.0	23.9	1.8	11.2	2.9	0.0	0.0	0.0	0.0	28.1	7.9
East UP	21.0	4.8	13.4	2.5	7.0	4.3	0.0	0.0	0.0	0.0	14.1	11.7
NE LP	22.1	1.9	28.7	1.4	11.1	2.3	20.7	6.8	20.4	5.6	30.3	6.0
NW LP	27.8	1.8	25.0	1.3	8.7	1.9	16.1	13.2	15.2	5.1	34.7	4.6
Sag. Bay	29.4	1.9	30.1	1.6	13.3	2.0	17.3	4.7	20.4	4.0	30.1	5.1
SW LP	30.3	2.0	26.8	1.6	11.8	1.8	0.0	0.0	12.4	2.7	19.6	5.4
SC LP	30.7	1.8	31.1	1.5	13.7	1.8	21.4	7.1	15.3	2.6	30.7	5.4
SE LP	28.0	2.3	23.6	2.1	8.5	2.1	14.6	5.0	14.7	3.7	30.4	7.9
UP	24.3	2.5	21.3	1.5	10.3	2.5	0.0	0.0	0.0	0.0	25.3	6.7
NLP	26.0	1.2	27.1	0.9	9.5	1.3	19.8	5.7	19.3	3.8	33.4	3.4
SLP	30.9	1.1	29.5	0.9	13.0	1.0	17.4	3.2	15.2	1.6	27.3	3.1
Statewide	30.0	0.8	28.5	0.6	11.9	0.8	17.2	2.6	15.7	1.4	29.3	2.1

[a]Excluded 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, 2014.[a]

Sex and Area	Season			
	Independence		All Seasons	
	Success	95% CL[b]	Success	95% CL[b]
Antlerless				
West UP	6.0	4.7	7.8	1.1
East UP	2.9	4.6	4.7	1.4
NE LP	6.9	4.1	16.4	1.1
NW LP	2.3	1.5	17.5	1.0
Sag. Bay	7.9	10.0	21.4	1.3
SW LP	2.4	1.9	19.9	1.3
SC LP	5.7	6.2	22.7	1.2
SE LP	1.9	2.0	18.1	1.6
UP	4.9	3.5	7.1	0.9
NLP	3.5	1.3	17.7	0.7
SLP	5.7	5.0	21.8	0.7
Statewide	4.5	2.6	19.9	0.5
Antlered Bucks				
West UP	3.0	3.1	24.4	1.7
East UP	2.9	4.6	14.6	2.4
NE LP	5.9	3.7	21.3	1.2
NW LP	12.9	7.9	21.9	1.1
Sag. Bay	16.9	9.9	26.6	1.4
SW LP	3.0	2.2	25.8	1.4
SC LP	7.7	6.6	28.0	1.3
SE LP	1.9	2.0	24.3	1.8
UP	3.0	2.6	22.0	1.4
NLP	12.7	6.1	22.2	0.8
SLP	7.8	3.9	27.9	0.8
Statewide	8.5	2.9	26.9	0.6

[a]Excluded 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, 2014.[a]

Sex and Area	Season			
	Independence		All Seasons	
	Success	95% CL[b]	Success	95% CL[b]
Sexes combined				
West UP	8.9	6.3	30.5	1.8
East UP	5.8	7.3	18.4	2.6
NE LP	11.8	6.0	34.4	1.4
NW LP	15.2	8.2	35.2	1.3
Sag. Bay	24.8	13.2	41.8	1.5
SW LP	5.4	3.3	39.3	1.6
SC LP	13.4	9.3	42.9	1.4
SE LP	3.9	3.1	37.3	2.0
UP	7.9	4.9	27.5	1.5
NLP	16.0	6.3	35.8	0.9
SLP	13.5	6.2	42.4	0.9
Statewide	12.9	3.8	40.6	0.6

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

Table 10. Level of satisfaction and dissatisfaction with the number of deer seen and number of antlered deer (bucks) seen among Michigan deer hunters, 2013-2014.

	Satisfied hunters (%)[a]				Dissatisfied hunters (%)[b]			
Criteria and area	2013	2014	95% CL[c]	Difference from 2013 to 2014 (%)	2013	2014	95% CL[c]	Difference from 2013 to 2014 (%)
Number of deer seen								
West UP	26	21	2	-5*	62	67	2	5*
East UP	26	19	3	-7*	58	68	4	10*
NE LP	35	27	1	-7*	49	58	2	9*
NW LP	35	29	1	-6*	50	58	1	8*
Sag. Bay	37	26	1	-11*	48	60	2	12*
SW LP	28	28	2	0	57	58	2	1
SC LP	36	31	1	-5*	49	55	2	6*
SE LP	37	33	2	-4	45	51	2	6*
UP	26	21	1	-5*	61	67	2	6*
NLP	34	27	1	-7*	50	59	1	9*
SLP	35	30	1	-5*	50	56	1	6*
Statewide	33	27	1	-6*	51	58	1	7*
Number of antlered deer (bucks) seen								
West UP	18	14	1	-4*	68	75	2	7*
East UP	15	11	2	-5	71	78	3	7*
NE LP	21	18	1	-3*	61	65	2	4*
NW LP	22	20	1	-2	61	65	1	5*
Sag. Bay	24	18	1	-5*	59	67	2	8*
SW LP	20	19	1	-1	63	64	2	1
SC LP	26	22	1	-4*	56	61	2	6*
SE LP	23	22	2	-1	58	58	2	0
UP	17	13	1	-4*	69	76	2	7*
NLP	21	18	1	-3*	61	66	1	5*
SLP	24	21	1	-3*	58	62	1	4*
Statewide	22	19	0	-3*	61	65	1	4*

[a]Included hunters who were “very satisfied” or “somewhat satisfied.”
[b]Included hunters who were “somewhat dissatisfied” or “strongly dissatisfied.”
[c]95% confidence limit for the 2014 estimate.
*P<0.005.

Table 11. Level of satisfaction and dissatisfaction with overall deer hunting experience and number of deer harvested among Michigan deer hunters, 2013-2014.

	Satisfied hunters (%)[a]				Dissatisfied hunters (%)[b]			
Criteria and area	2013	2014	95% CL[c]	Difference from 2013 to 2014 (%)	2013	2014	95% CL[c]	Difference from 2013 to 2014 (%)
Overall deer hunting experience								
West UP	40	32	2	-8*	40	49	2	9*
East UP	43	30	3	-13*	36	50	4	14*
NE LP	49	41	2	-8*	29	37	2	7*
NW LP	45	39	1	-6*	31	38	1	6*
Sag. Bay	46	37	2	-10*	31	42	2	11*
SW LP	40	37	2	-3	38	40	2	2
SC LP	47	42	2	-5*	31	37	2	6*
SE LP	49	46	2	-3	28	31	2	3
UP	41	32	2	-9*	39	49	2	10*
NLP	46	39	1	-7*	31	38	1	7*
SLP	45	40	1	-5*	32	38	1	6*
Statewide	45	39	1	-6*	33	39	1	7*
Number of deer harvested								
West UP	29	23	2	-6*	37	43	2	6*
East UP	23	17	3	-5	40	48	4	8*
NE LP	29	27	1	-2	34	38	2	5*
NW LP	27	26	1	-2	35	39	2	5*
Sag. Bay	33	26	1	-6*	32	39	2	7*
SW LP	26	26	2	0	38	39	2	0
SC LP	31	28	1	-3	33	38	2	5*
SE LP	30	31	2	1	31	36	2	4
UP	27	22	2	-6*	38	44	2	7*
NLP	28	26	1	-2*	34	39	1	5*
SLP	30	28	1	-2*	34	38	1	4*
Statewide	29	26	1	-3*	35	39	1	5*

[a]Included hunters who were “very satisfied” or “somewhat satisfied.”
[b]Included hunters who were “somewhat dissatisfied” or “strongly dissatisfied.”
[c]95% confidence limit for the 2014 estimate.
*P<0.005.

Table 12. Level of support and opposition for the antler point restrictions in the Upper Peninsula among Michigan deer hunters, 2013-2014.

Preferred hunt area	Hunters supporting (%)[a]				Hunters opposing (%)[b]			
	2013	2014	95% CL[c]	Difference from 2013 to 2014 (%)	2013	2014	95% CL[c]	Difference from 2013 to 2014 (%)
West UP	60	64	2	4*	29	27	2	-3
East UP	57	60	4	3	32	31	3	-1
NE LP	50	54	2	4*	23	22	1	-1
NW LP	51	57	1	6*	23	20	1	-3*
Sag. Bay	51	55	2	4*	22	19	1	-3*
SW LP	55	60	2	5*	17	15	1	-2
SC LP	53	56	2	4*	17	16	1	-1
SE LP	56	60	2	4	18	17	2	-1
UP	59	63	2	4*	30	28	2	-2
NLP	51	56	1	5*	23	21	1	-2*
SLP	53	58	1	4*	18	17	1	-2*
Statewide	53	57	1	4*	22	20	1	-2*

[a]Included hunters who “strongly supported” or “supported” antler point restrictions in the UP.
[b]Included hunters who “opposed” or “strongly opposed” antler point restrictions in the UP.
[c]95% confidence limit for the 2014 estimate.
*P<0.005.

Table 13. Level of support and opposition for the antler point restrictions in DMU 487 among Michigan deer hunters, 2013-2014.[a]

Preferred hunt area	Hunters supporting (%)[b]				Hunters opposing (%)[c]			
	2013	2014	95% CL[d]	Difference from 2013 to 2014 (%)	2013	2014	95% CL[d]	Difference from 2013 to 2014 (%)
West UP	35	36	2	1	17	16	2	0
East UP	40	42	4	3	22	20	3	-2
NE LP	51	52	2	2	26	26	1	0
NW LP	45	48	2	2	21	19	1	-2
Sag. Bay	44	46	2	2	23	22	1	-1
SW LP	46	47	2	1	16	13	1	-2
SC LP	46	47	2	2	17	16	1	-2
SE LP	48	51	2	3	20	17	2	-2
UP	36	37	2	1	18	17	1	-1
NLP	47	49	1	2	23	22	1	-1
SLP	46	48	1	2	19	17	1	-2*
Statewide	45	47	1	2*	20	19	1	-1*

[a]New antler point restrictions were adopted in 2010 for the taking of antlered deer (bucks) in DMU 487. Under this new regulation, the regular buck tag of a combination deer license could only be used to tag a buck with at least three antler points on one side. The restricted tag could only be used on a buck with at least four points on one side. Hunters who chose not to purchase the combination tag were restricted to one buck (with no additional point restrictions) in the UP, all seasons combined, even if they purchased an archery and firearms license. In addition, hunters in DMU 487 could use a firearm license or one or both combination license tags for antlerless deer during the firearm or muzzleloader seasons. DMU 487 included Alcona, Alpena, Iosco, Montmorency, Oscoda, and Presque Isle counties.
[b]Group supporting restrictions included hunters reporting they “strongly supported” or “supported.”
[c]Group opposing restrictions included hunters reporting they “opposed” or “strongly opposed.”
[d]95% confidence limit. Excluded people that did not hunt.
*P<0.005.

Table 14. Estimated proportion and number of archers that used a crossbow during 2014 archery season in Michigan, summarized by region.

	Archers using a crossbow during archery season			
Region	%	95% CL	Total	95% CL
UP	58.0	3.2	13,863	1,154
NLP	59.8	1.5	62,004	2,334
SLP	50.8	1.2	80,806	2,568
Unknown[a]	53.1	2.7	17,884	1,309
Statewide	54.5	0.9	174,558	3,514

[a]Region could not be determined when hunter did not report where they hunted or when hunter reported hunting in more than one region.

Table 15. Estimated hunter success of archers hunting with a crossbow during 2014 archery season in Michigan, summarized by type of deer and region.

	Antlerless		Antlered Bucks		Sexes Combined	
Region	%[a]	95% CL	%[a]	95% CL	%[a]	95% CL
UP	13.9	2.9	11.9	2.7	24.9	3.7
NLP	15.9	1.5	15.4	1.4	29.1	1.8
SLP	14.5	1.2	21.8	1.4	33.3	1.6
Unknown[b]	13.6	2.6	15.5	2.7	26.0	3.3
Statewide	14.9	0.8	18.1	0.9	30.4	1.1

[a]Percentage of crossbow hunters harvesting at least one deer.
[b]Region could not be determined when hunter did not report where they hunted or when hunter reported hunting in more than one region.

Table 16. Estimated number of deer harvested by archers with a crossbow during 2014 archery season in Michigan, summarized by type of deer and region.

	Antlerless		Antlered Bucks		Sexes Combined	
Region	No.	95% CL	No.	95% CL	No.	95% CL
UP	2,024	481	1,600	395	3,624	638
NLP	10,146	1,047	9,619	998	19,765	1,539
SLP	12,341	1,165	17,951	1,355	30,292	1,918
Unknown[a]	2,732	580	2,815	545	5,547	874
Statewide	27,281	1,718	31,985	1,787	59,266	2,626

[a]Region could not be determined when hunter did not report where they hunted or when hunter reported hunting in more than one region.

Appendix A. Antlerless deer hunting license quotas, number of antlerless licenses sold, and number of hunters purchasing an antlerless license in Michigan during 2014, summarized by Deer Management Unit and license type (public and private lands).

		Public land			Private land		
DMU[a]	DMU Name	License quota	Licenses sold[b]	License buyers[c]	License quota	Licenses sold[b,c]	License buyers[c]
001	Alcona County[d]	5,000	2,462	2,125	0	0	0
003	Allegan County	200	181	181	5,000	4,940	4,294
004	Alpena County[d]	2,000	575	496	0	0	0
005	Antrim County	200	167	167	5,200	4,996	3,761
006	Arenac County	500	405	405	7,000	3,923	3,232
007	Big Bay Unit	0	0	0	0	0	0
009	Bay County	200	175	144	3,000	2,221	1,862
010	Benzie County	100	127	127	1,000	932	922
015	Charlevoix County	200	168	168	3,600	3,491	2,636
016	Cheboygan County	100	100	100	100	109	109
017	Sault Ste. Marie Unit	0	0	0	0	0	0
018	Clare County	900	765	764	8,000	7,829	6,204
020	Crawford County	700	688	688	900	741	740
021	Manistique Unit	0	0	0	0	0	0
022	Crystal Falls Unit	0	0	0	0	0	0
024	Emmet County	200	158	158	800	729	729
025	Genesee County	0	0	0	8,500	5,020	4,422
026	Gladwin County	1,200	1,014	1,013	8,000	6,992	5,455
027	Watersmeet Unit	0	0	0	0	0	0
028	Grand Traverse County	100	135	135	1,200	1,106	1,044
030	Hillsdale County	400	359	289	12,000	7,149	5,733
031	Nisula Unit	0	0	0	0	0	0
034	Ionia County	400	339	316	6,000	5,969	4,892
035	Iosco County[d]	700	559	559	0	0	0
036	Amasa/Michigamme Unit	0	0	0	0	0	0
037	Isabella County	100	84	84	11,000	7,457	5,819
038	Jackson County	1,600	1,434	1,257	17,000	9,327	7,618

[a]See Figure 2 for the locations of DMUs.
[b]Number of licenses sold could exceed the quota because junior licenses do not count towards the quota.
[c]Number of license buyers does not add up to statewide total because hunters could purchase licenses in more than one DMU.
[d]Also part of DMU 487.
[e]Special deer hunts on public land. Licenses for these DMUs were available on a local basis.

Appendix A (continued). Antlerless deer hunting license quotas, number of antlerless licenses sold, and number of hunters purchasing an antlerless license in Michigan during 2014, summarized by Deer Management Unit and license type (public and private lands).

		Public land			Private land		
DMU[a]	DMU Name	License quota	Licenses sold[b]	License buyers[c]	License quota	Licenses sold[b,c]	License buyers[c]
040	Kalkaska County	100	131	131	400	376	375
042	Keweenaw Unit	0	0	0	0	0	0
043	Lake County	100	162	162	2,900	2,446	2,445
044	Lapeer County	2,000	1,579	1,445	15,000	8,478	7,000
045	Leelanau County	100	89	89	1,400	1,246	1,073
046	Lenawee County	400	347	312	9,000	5,601	4,606
047	Livingston County	2,000	1,813	1,591	15,000	6,172	5,189
048	Newberry Unit	0	0	0	0	0	0
050	Macomb County	200	184	166	4,000	2,553	2,172
051	Manistee County	100	131	131	3,000	2,700	2,692
053	Mason County	100	146	146	4,900	4,445	3,721
055	Menominee Unit	0	0	0	5,000	4,807	3,713
056	Midland County	1,500	1,309	1,140	7,500	5,014	4,132
057	Missaukee County	400	378	377	3,200	2,855	2,488
058	Monroe County	100	89	88	1,000	942	846
060	Montmorency County[d]	5,000	3,598	3,020	0	0	0
063	Oakland County	2,500	2,196	1,876	7,000	4,117	3,399
065	Ogemaw County	700	607	607	6,000	5,827	4,627
066	Ontonagon County	0	0	0	0	0	0
067	Osceola County	300	268	268	5,600	5,098	4,118
068	Oscoda County[d]	5,000	4,696	3,838	0	0	0
069	Otsego County	100	118	118	100	119	119
071	Presque Isle County[d]	3,000	1,860	1,545	0	0	0
072	Roscommon County	400	381	381	1,000	864	797
073	Saginaw County	200	170	170	6,500	6,448	5,096
074	St. Clair County	700	565	515	9,500	7,034	5,934
081	Washtenaw County	1,500	1,344	1,206	15,000	5,868	4,761
082	Wayne County	100	79	73	1,200	1,035	901

[a]See Figure 2 for the locations of DMUs.
[b]Number of licenses sold could exceed the quota because junior licenses do not count towards the quota.
[c]Number of license buyers does not add up to statewide total because hunters could purchase licenses in more than one DMU.
[d]Also part of DMU 487.
[e]Special deer hunts on public land. Licenses for these DMUs were available on a local basis.

Appendix A (continued). Antlerless deer hunting license quotas, number of antlerless licenses sold, and number of hunters purchasing an antlerless license in Michigan during 2014, summarized by Deer Management Unit and license type (public and private lands).

		Public land			Private land		
DMU[a]	DMU Name	License quota	Licenses sold[b]	License buyers[c]	License quota	Licenses sold[b,c]	License buyers[c]
083	Wexford County	1,000	959	959	3,700	3,398	2,704
115	Beaver Island	200	105	98	300	176	161
117	Drummond Island	0	0	0	0	0	0
121	Bay De Noc Unit	0	0	0	0	0	0
122	Norway Unit	0	0	0	500	442	375
127	Ironwood Unit	0	0	0	0	0	0
131	Twin Lakes Unit	0	0	0	0	0	0
135	Tawas Unit[d]	100	94	74	0	0	0
145	North Manitou Island[e]	0	0	0	0	0	0
149	Round/Bois Blanc Island	100	95	81	100	87	77
152	Gwinn Unit	0	0	0	0	0	0
155	Gladstone Unit	0	0	0	1,500	1,340	1,099
174	St. Clair Flats	0	0	0	300	117	112
245	South Fox Island[e]	0	0	0	0	0	0
249	Trout Lake Unit	0	0	0	0	0	0
252	Rock Unit	0	0	0	0	0	0
255	LaBranche Unit	0	0	0	0	0	0
273	Shiawassee Unit[e]	0	0	0	0	0	0
308	Bellevue Unit	1,100	947	869	25,000	18,339	15,122
311	Keeler Unit	700	606	526	10,000	9,925	8,665
312	Sherwood Unit	1,000	920	802	16,000	13,475	10,585
319	Laingsburg Unit	3,400	3,081	2,458	36,600	21,587	17,380
332	Greenleaf Unit	5,200	4,698	3,786	42,000	22,017	17,617
341	Sparta Unit	1,000	903	782	17,500	13,828	11,597
349	Engadine Unit	0	0	0	0	0	0
354	Lakeview Unit	1,200	976	958	20,000	17,749	14,002
361	Fremont Unit	100	238	238	8,000	7,365	7,341
452	Core TB Area[d]	2,000	1,172	1,020	0	0	0
487	Northern Multi-County	0	0	0	30,000	20,098	16,142
NA	Deer Management Assistance Permits	NA	NA	NA	NA	9,797	859
NA	Managed Deer Hunt Permits[e]	NA	629	563	NA	NA	NA

[a]See Figure 2 for the locations of DMUs.
[b]Number of licenses sold could exceed the quota because junior licenses do not count towards the quota.
[c]Number of license buyers does not add up to statewide total because hunters could purchase licenses in more than one DMU.
[d]Also part of DMU 487.
[e]Special deer hunts on public land. Licenses for these DMUs were available on a local basis.

Appendix B. Estimated number of deer hunters, hunting effort, and deer harvested in Michigan during 2014, 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[e]	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL
001	8,071	888	69,803	10,183	1,593	413	1,921	445	3,514	656
003	12,706	1,094	174,872	21,362	2,033	495	2,806	570	4,839	821
004	5,018	700	44,184	8,335	1,183	436	1,232	352	2,414	592
005	6,681	801	70,173	12,118	1,811	460	1,142	345	2,951	638
006	7,856	867	103,653	16,389	1,743	451	2,183	496	3,927	716
007	6,144	780	67,488	12,584	420	213	688	248	1,108	335
009	4,821	679	68,642	13,396	1,099	357	1,154	332	2,253	552
010	4,487	655	56,371	12,261	510	242	1,188	363	1,699	466
015	4,829	681	53,827	11,658	1,513	431	876	293	2,387	571
016	6,566	802	67,773	11,928	567	238	1,613	413	2,182	494
017	4,469	670	44,177	8,518	129	106	622	274	752	303
018	13,974	1,151	172,472	20,039	3,185	654	2,933	557	6,117	951
020	8,996	939	81,189	11,743	777	276	1,301	362	2,078	484
021	8,085	890	73,904	11,646	318	183	1,528	381	1,848	430
022	8,560	916	88,163	13,102	316	168	1,967	447	2,285	488
024	4,594	664	48,835	10,193	782	316	1,282	363	2,065	505
025	9,701	958	150,019	20,559	1,260	357	1,938	449	3,199	603
026	13,183	1,119	148,152	18,677	2,598	518	2,810	528	5,408	806
027	2,054	454	19,023	6,183	112	104	262	172	375	201
028	6,945	810	86,635	14,387	1,251	377	1,342	386	2,593	586
030	8,770	919	124,864	18,089	2,919	673	3,178	602	6,096	1,030
031	3,432	586	25,245	5,695	206	138	872	310	1,079	355
034	10,513	991	145,815	19,829	2,433	523	2,546	504	4,978	789
035	7,295	843	85,113	13,833	1,242	417	1,699	435	2,942	666
036	3,296	575	29,510	6,817	70	76	583	233	654	245
037	9,642	956	116,354	16,446	2,888	634	3,280	594	6,167	970
038	14,732	1,180	196,313	21,909	3,409	638	4,071	655	7,480	1,007

[a]Harvest estimates do not include deer taken with DMA permits. An additional 6,673 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.
[e]95% confidence limit.
[f]Estimates for DMU 273 were combined with estimates for DMU 073.

Appendix B (continued). Estimated number of deer hunters, hunting effort, and deer harvested in Michigan during 2014, 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[e]	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL
040	7,877	877	81,765	12,482	907	317	1,189	378	2,096	520
042	1,554	392	17,609	6,564	61	74	299	180	360	195
043	14,054	1,161	136,331	16,164	1,537	385	1,799	437	3,336	622
044	14,745	1,178	219,573	24,053	4,038	739	4,268	679	8,306	1,144
045	4,012	622	49,525	10,545	801	304	1,082	326	1,883	487
046	7,555	852	116,889	18,838	2,251	596	2,453	538	4,703	934
047	11,384	1,042	172,334	22,071	2,460	536	2,874	561	5,334	869
048	4,184	642	39,916	8,888	334	203	800	284	1,134	364
050	4,256	635	48,551	10,022	1,129	441	1,072	335	2,201	644
051	10,944	1,026	118,260	16,460	1,718	404	2,549	531	4,268	729
053	11,652	1,049	138,243	18,420	2,968	591	3,036	573	6,002	916
055	11,872	1,073	133,165	16,118	2,069	484	4,367	689	6,439	916
056	10,459	992	146,730	19,559	1,931	479	2,653	524	4,584	791
057	9,139	933	103,339	15,880	1,943	463	1,537	414	3,478	661
058	5,067	702	73,523	13,479	595	252	761	284	1,356	379
060	9,032	941	73,912	11,535	1,547	404	1,538	380	3,084	603
063	9,359	949	135,148	19,602	1,980	497	2,507	523	4,487	790
065	12,378	1,090	134,090	17,587	2,623	565	2,795	558	5,417	895
066	3,244	567	28,856	6,199	141	115	429	197	570	228
067	13,452	1,128	153,465	18,556	3,582	660	2,797	519	6,376	901
068	9,460	964	76,735	11,566	1,689	433	1,358	370	3,046	591
069	6,566	797	58,396	10,192	526	214	1,263	337	1,790	412
071	8,496	908	73,088	10,483	2,022	487	2,515	524	4,536	779
072	11,425	1,053	118,902	15,795	1,168	351	2,037	451	3,205	616
073[f]	11,436	1,036	161,794	21,674	2,785	595	2,595	539	5,380	903
074	11,661	1,052	167,743	21,540	2,367	607	3,320	609	5,688	966
081	10,036	979	135,647	18,599	2,413	552	2,613	528	5,026	855
082	1,568	385	23,295	7,931	332	198	313	185	645	306

[a]Harvest estimates do not include deer taken with DMA permits. An additional 6,673 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.
[e]95% confidence limit.
[f]Estimates for DMU 273 were combined with estimates for DMU 073.

Appendix B (continued). Estimated number of deer hunters, hunting effort, and deer harvested in Michigan during 2014, 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[e]	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL
083	10,208	986	106,208	15,165	2,168	498	2,059	470	4,225	730
115	428	210	3,559	2,497	28	52	114	104	142	116
117	1,151	343	8,639	3,570	56	72	173	127	229	164
121	2,495	494	26,712	7,234	144	116	482	206	627	247
122	1,587	391	20,715	7,222	185	148	432	210	617	287
127	1,008	315	11,151	5,247	41	56	210	139	251	149
131	2,602	501	26,663	6,395	80	79	678	300	759	319
135	864	286	6,389	2,598	16	21	249	149	265	150
145	0	0	0	0	0	0	0	0	0	0
149	519	226	3,124	1,554	85	116	29	52	114	127
152	2,180	466	24,006	6,854	32	52	375	202	407	221
155	3,955	624	40,938	9,451	673	289	1,348	375	2,022	506
174	248	155	2,268	1,773	27	50	83	116	110	126
245	28	54	85	158	0	0	0	0	0	0
249	4,125	639	37,673	8,927	212	157	593	258	806	302
252	1,824	428	23,670	7,354	140	137	716	306	857	343
255	2,531	506	24,677	6,201	116	127	573	232	689	274
273[f]	0	0	0	0	0	0	0	0	0	0
308	26,063	1,545	376,829	30,919	6,500	879	7,901	929	14,401	1,420
311	16,838	1,267	273,836	27,275	3,890	660	4,457	697	8,346	1,063
319	17,674	1,294	256,635	25,572	5,619	879	5,848	812	11,464	1,382
332	33,292	1,732	486,694	36,400	9,517	1,141	9,785	1,022	19,298	1,758
339	35,288	1,781	483,040	36,464	10,647	1,193	10,999	1,076	21,643	1,797
341	27,012	1,572	400,922	32,224	5,750	904	7,036	896	12,786	1,437
349	1,336	363	14,591	6,835	89	116	236	148	325	202
354	26,951	1,567	355,376	30,556	7,458	1,006	9,072	988	16,530	1,582
361	30,966	1,684	396,493	31,177	4,764	679	8,321	952	13,089	1,288
452	9,449	961	86,614	12,230	2,120	505	2,577	528	4,698	791

[a]Harvest estimates do not include deer taken with DMA permits. An additional 6,673 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.
[e]95% confidence limit.
[f]Estimates for DMU 273 were combined with estimates for DMU 073.