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MICHIGAN DEER HARVEST SURVEY REPORT 2009 SEASONS

Brian J. Frawley

ABSTRACT

A survey of deer hunters was conducted following the 2009 hunting seasons to estimate hunter participation, harvest, and hunting effort. In 2009, an estimated 686,000 hunters spent 10.2 million days afield. Statewide, the number of people hunting deer decreased 1%, but their hunting effort increased 5% between 2008 and 2009. Hunters harvested nearly 444,000 deer, a decrease of about 9% from the number taken in 2008. Statewide, 43% of hunters harvested a deer in 2009, while hunter success was 47% in 2008. About 24% of the hunters took an antlerless deer and 28% took an antlered buck in 2009. About 15% of deer hunters harvested two or more deer. Statewide, less than 40% of hunters were satisfied with numbers of deer seen, bucks seen, deer taken, and their overall hunting experience in 2009. Furthermore, satisfaction declined for all areas between 2008 and 2009. About 56,915 hunters used a crossbow during the 2009 archery season, and they harvested about 56,915 deer with the crossbow. About 49% of deer hunters statewide supported antler point restrictions on buck harvest in the Upper Peninsula (UP), and 53% of the hunters that preferred to hunt in the UP supported these restrictions in 2009. Statewide, most deer hunters (84%) agreed the regular firearm season should begin on November 15.

INTRODUCTION

The Natural Resources Commission (NRC) and Michigan Department of Natural Resources and Environment (DNRE) 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 harvest check stations, deer pellet group surveys, trends in deer-vehicle collisions, population modeling,

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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 2009 hunting season and deer numbers. Deer hunters were also asked whether they supported the antler point restrictions that were enacted in the UP, and questions were added to investigate whether these restrictions had influenced deer hunting activity (hunting effort, harvest, and satisfaction) in the UP. Deer hunters were also asked to indicate their desired opening date for the regular firearm season.

During 2009, white-tailed deer (*Odocoileus virginianus*) could be harvested primarily during the following hunting seasons: youth, archery, regular firearm, muzzleloader, early antlerless, late antlerless, and special hunts for disabled hunters. In order to harvest a deer, hunters had to possess a hunting license (firearm, archery, combination, or antlerless license) (Table 1).

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

New 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 not to purchase the combination tag were restricted to one buck only (without any antler point restrictions) in the UP, all seasons combined, even if they purchased both archery and firearms licenses.

Antlerless licenses could be purchased in addition to archery, firearm, or combination licenses. Antlerless deer licenses allowed hunters to take deer without antlers or with antlers shorter than three inches during any season with equipment appropriate for the season. Use of each antlerless license was restricted to a single deer management unit (DMU) designated at the time of purchase. Antlerless licenses were available for most of the state except in eleven DMUs (007, 021, 027, 036, 042, 048, 066, 131, 149, 152, and 249) in the UP and six DMUs (016, 069, 072, 145, 245, and 273) in the Lower Peninsula (LP). 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. The number of licenses available in DMUs open to antlerless deer hunting was established by the NRC (Appendix A).

A limited number of antlerless deer hunting licenses were available for many DMUs for private and public land hunting (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 permission of the landowner. A private land license was not valid on land enrolled in the Commercial Forest Act program (Commercial Forest Lands). To purchase a private land antlerless license, hunters had to provide the contact phone number of the private landowner granting permission to deer hunt in the DMU. Hunters were limited to a maximum of five private land antlerless deer licenses, of which no more than two could be for the UP and the northern LP, excluding the area in the northeast LP where management focuses on eradication of bovine tuberculosis from the deer herd. Hunters could purchase two private land antlerless deer license each day, up to the season limit of five.

Two new private land DMUs were created in 2009 to aid in the harvest of antlerless deer. DMU 486 was a multi-county DMU in the southern LP. DMU 486 included private land in DMUs 003, 008, 009, 011, 012, 013, 014, 019, 023, 025, 029, 030, 032, 033, 034, 037, 038, 039, 044, 046, 047, 054, 056, 059, 061, 063, 070, 073, 075, 076, 078, 079, 080, 081, 162 and 173. A private land antlerless deer license for DMU 486 was valid on private land within any of these subunits. Deer Management Unit 487 was the second new multi-county DMU and was located in the northeast LP. 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. If available, hunters could purchase two left-over antlerless licenses for public lands per day, until the license quota had been met.

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 youth firearm season was held during September 26-27 on public and private lands statewide. Youths 10-16 years of age could take one deer of either sex using a firearm license or combination license. Only an antlerless deer could be taken with an antlerless license or DMA permit. Youths participating during this season had to be accompanied by an adult at least 18 years old. Youths 10 and 11 years of age were restricted to archery-only equipment. Youths 12 and 13 years of age could use archery equipment or firearms but firearm hunting was restricted to only private land. Youth hunters could take no more than one deer during the season.

The archery season occurred statewide on public and private lands. This season was divided into an early and late season (October 1 through November 14 and December 1, 2009, through January 1, 2010). Archery licenses, antlerless licenses, combination licenses, and DMA permits could be used to take deer during the archery seasons using archery equipment.

Deer could also be taken during the special disabled firearm hunt October 15-18, 2009. Hunters could take deer on private lands or public lands requiring an access permit. Only hunters that were issued a permit to hunt from a standing vehicle; veterans with 100% disability as defined by the United States Department of Veterans Affairs, and legally blind people could participate in this season. A veteran with 100% disability also could take a deer during the youth firearm season (September 26-27).

The statewide regular firearm season occurred November 15-30. The muzzleloader season was held December 4-13 in the Upper Peninsula (UP), December 11-20 in the northern LP, and December 4-20 in the southern LP. Hunters were allowed to take deer on both public and private lands with firearm and combination deer hunting licenses during the regular firearm and muzzleloader seasons. Antlerless licenses (including DMA permits) also could be used during the firearm seasons.

The early antlerless firearm season occurred from September 17-21. Hunters pursuing deer during this season had to have purchased an antlerless license and 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 the same as in 2008 and was limited to all or portions of 47 counties in the LP (Alcona, Allegan, Alpena, Arenac, Barry, Bay, Berrien, Branch, Calhoun, Cass, Clinton, Eaton, Genesee, Gratiot, Hillsdale, Huron, Ingham, Ionia, Iosco, Isabella, Jackson, Kalamazoo, Kent, Lapeer, Lenawee, Livingston, Macomb, Mecosta, Midland, Monroe, Montcalm, Montmorency, Muskegon, Newaygo, Oakland, Oscoda, Ottawa, Presque Isle, Saginaw, St. Clair, St. Joseph, Sanilac, Shiawassee, Tuscola, Van Buren, Washtenaw, and Wayne).

The late antlerless firearm season occurred from December 21, 2009, through January 1, 2010. Hunters pursuing deer during this season had to have purchased an

antlerless license and possess an unused antlerless harvest tag (including DMA permits) and were limited to hunting on private land. The area open to hunting during the late antlerless season was expanded from 35 counties in 2008 to 44 counties in 2009 (Alcona, Allegan, Alpena, Arenac, Barry, Bay, Berrien, Branch, Calhoun, Cass, Clinton, Eaton, Genesee, Gratiot, Hillsdale, Huron, Ingham, Ionia, Iosco, Isabella, Jackson, Kalamazoo, Kent, Lapeer, Lenawee, Livingston, Mecosta, Midland, Montcalm, Montmorency, Muskegon, Newaygo, Oakland, Oceana, Oscoda, Ottawa, Presque Isle, Saginaw, St. Joseph, Sanilac, Shiawassee, Tuscola, Van Buren, and Washtenaw).

Hunters 12-years-old or older could use a crossbow to hunt deer during any season when a firearm was allowed. In addition, anyone who was 50 years or older could use a crossbow during the October 1 through November 14 portion of the archery season, with an archery license. And in southern Michigan, anyone 12 and older could hunt deer with a crossbow during any deer hunting season as long as they have the appropriate licenses. Hunters using a crossbow were required to obtain a free crossbow stamp, except hunters with a disability already hunting under a DNRE-issued crossbow permit, did not need the stamp.

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 and on the DNRE website, and an email message was sent to all license buyers that had provided an email address to the DNRE (84,186 licensees). 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 asked to indicate their desired opening date for the regular firearm season. Following the 2009 deer hunting seasons, a questionnaire was sent to 51,154 randomly selected individuals who had purchased a hunting license (firearm, archery, antlerless, 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 DNRE.

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 = 431,756). The second stratum consisted of people eligible to hunt during archery, regular firearm, muzzleloader, early antlerless, and late antlerless seasons (N = 241,334). The third stratum consisted of people eligible to hunt during archery, regular firearm, muzzleloader, late antlerless, and youth seasons (N = 39,616). The fourth stratum consisted of 1,051 people that were eligible to participate in the special disabled hunts. (Disabled hunters were not required to purchase a unique type of hunting license; 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 11,489 people that had voluntarily reported information about their hunting activity via the Internet before the random sample was selected. The random sample consisted of 27,847 people from the first stratum, 15,370 from the second stratum, 6,886 from the third stratum, and 1,051 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. The state was divided into eight areas that closely matched the DNRE's wildlife management administrative units (Figure 1). The state was also divided into three ecological regions (UP, northern LP, and southern LP). These regions generally matched major ecoregions (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 was 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 2010, and two follow-up questionnaires were mailed to nonrespondents. To increase the number of questionnaires returned, respondents that returned their questionnaire promptly were eligible to win a prize of a firearm or bow. Although 51,154 people were sent the questionnaire, 1,042 surveys were undeliverable resulting in an adjusted sample size of 50,112. Questionnaires were returned by 31,217 of people receiving the questionnaire (62% 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 some previous years. To reduce bias caused by this lower response rate, an adjustment was made on the 2009 estimates to make them comparable to the 2008 estimates (74% response rate). Estimates of harvest, hunting

effort, and hunter numbers were reduced by 2.7, 2.1, and 1.0%, respectively, to make estimates comparable to 2008. These reductions reflected the average decline noted between estimates calculated when 62 and 74% of the responses were used in 2000 and 2001 surveys.

RESULTS

In 2009, 725,190 people purchased a license to hunt deer in Michigan. The number of people buying a license in 2009 was nearly unchanged from 2008 (724,239 people purchased a license in 2008). Most of the people buying a license were male (91%), and the average age of license buyers was 42 years (Figure 3). Nearly 9.0% (65,195) of the license buyers were younger than 17 years old. Less than 1% (5,751) of the license buyers was younger than 12 years old, which represented 9% of the hunters younger than 17 years old.

The number of 2009 deer harvest tags sold for all license types combined decreased less than 1% from 2008 (Table 2). License buyers were issued an average of 2.2 harvest tags. About 88% of the license buyers obtained three or fewer harvest tags, and greater than 98% had five or fewer harvest tags (Figure 4). Hunters most frequently obtained antlerless and combination harvest tags (Figure 5). About 48% of the license buyers purchased at least one antlerless license (344,762 people), and greater than 98% of antlerless license buyers purchased three or fewer antlerless licenses, public and private licenses combined (Figure 6).

The antlerless license quota on private lands was increased 15% from 572,200 in 2008 to 659,800 licenses in 2009 (Appendix A). Most of this increase in quota on private lands was attributed to the quota for new multi-county DMUs 486 and 487; these multi-county DMUs for private lands were created in 2009. The quota for public land antlerless licenses increased 4% from 65,900 to 68,300 between 2008 and 2009. Although the 2009 antlerless quota increased 14% from 2008, the number of antlerless licenses sold changed little between 2008 and 2009 (Table 2).

About 94.6 $\pm$ 0.2% (686,392 hunters) of the people buying a license in 2009 actually spent time hunting deer (Table 3). Most hunters (628,675) pursued deer during the regular firearm season (Figure 7). Statewide, the number of people hunting deer during all seasons combined decreased 1% from 2008.

Hunter participation (number of hunters) increased significantly during the late antlerless (33%), muzzleloader (9%), and archery (7%) seasons (Table 3). Increased participation during the late antlerless season reflected the increased area open to hunting in 2009, while increased participation during the archery season may have occurred because regulation changes allowed many hunters to use crossbows. In contrast, significantly fewer people hunted during the early antlerless (-7%), youth (-6%), and regular firearm (-2%) seasons. The number of people hunting in the disabled seasons was nearly unchanged between 2008 and 2009.

About 43% of the days hunters spent pursuing deer throughout the state occurred in the archery season (Figure 9). About 42% of the hunting effort occurred during the regular

firearm season. Nearly 13% of the hunting effort occurred in the muzzleloader and late antlerless seasons combined. Statewide, hunters devoted an average of 15.6 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 ($\bar{x}$ = 15.0 days/hunter) (Figure 10, Table 4). For all seasons combined, hunting effort statewide increased 5% between 2008 and 2009 (Table 3). Hunting effort increased significantly during the late antlerless (48%), muzzleloader (14%) and archery (8%) seasons. Hunting effort was unchanged during the regular firearm, early antlerless, youth, and disabled seasons between 2008 and 2009.

Nearly 445,000 deer were harvested in 2009, a decrease of about 9% from the number taken in 2008 (Figure 11, Tables 5-6). Statewide, the harvest of antlered deer and antlerless deer decreased 14% and 5%, respectively (Table 5). Between 2008 and 2009, deer harvest increased significantly during the late antlerless (30%) and archery (11%) seasons. While harvest decreased significantly in the regular firearm season by 20%. Deer harvest during the regular firearm season was reduced partly because the harvest of corn by farmers was less than normal. Only 35% of corn had been harvested by November 15 in Michigan, compared to a 5-year average of 81% (US Department of Agriculture 2009). Other factors contributing to the reduced deer harvest included: milder weather and less snow cover during the hunting season, and reduced deer numbers in portions of the state (severe winter weather during previous years had reduced deer numbers, especially in the UP and NLP). Thus, hunting conditions at the start of the regular firearm season were less favorable in 2009 than normal. Deer harvest in the muzzleloader, early antlerless, youth, and disabled seasons did not change significantly between 2008 and 2009.

About 53% of the deer harvested (sexes combined) in 2009 were taken during the regular firearm season (Figure 13). Nearly 46% of the antlerless deer and 62% of the antlered bucks were harvested in the regular firearm season. Hunters took 27% of the harvested deer (sexes combined) during archery season. During the archery season, hunters took 24% of the antlerless deer and 30% of the antlered bucks harvested. Few antlered bucks (6%) were taken in the muzzleloader season. The muzzleloader and antlerless seasons combined accounted for about 29% of the antlerless deer harvested.

About 89% of the animals harvested (sexes combined) in 2009 were taken on private lands (Table 7). Statewide, most of the antlerless deer (91%) and antlered bucks (87%) were harvested on private lands. Some noteworthy changes between 2008 and 2009 included a decreased harvest of antlered bucks on both public and private lands in the UP and NLP.

Statewide, 43% of the deer hunters harvested at least one deer (all deer seasons and sexes combined) in 2009 (Figure 14, Table 8), compared to 47% success in 2008. About 24% of the hunters took an antlerless deer, and 28% took an antlered buck in 2009. About 15% of deer hunters harvested two or more deer.

Hunters were most successful in taking a deer during the regular firearm season (Figure 15, Table 9); 32% of the hunters in this season took a deer. Nearly 21% of the hunters took an antlered buck and 14% harvested an antlerless deer during the regular firearm season.

Hunter success was lowest in the muzzleloader season (19% successful).

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, less than 40% of hunters were satisfied with numbers of deer seen, bucks seen, deer taken, and their overall hunting experience in 2009 (Tables 10-11). Furthermore, satisfaction declined for all areas between 2008 and 2009. Highest levels of satisfaction were reported among hunters in the southern LP.

Statewide, about 49% of hunters supported the antler point restrictions on buck harvest implemented for the UP (Table 12), and about 53% of the hunters that preferred to hunt in the UP supported the antler point restrictions. Statewide and regional levels of support for the antler point restrictions did not change significantly between 2008 and 2009.

Statewide, most deer hunters (84%) supported maintaining the November 15 opening date for the regular firearm season (Table 13). In contrast, only 10% of deer hunters opposed maintaining this date. About 42% of deer hunters statewide supported opening the regular firearm season on the Saturday nearest to November 15 each year; while 49% opposed opening on this Saturday. Moreover, 20% of deer hunters statewide supported opening the regular firearm season on the Saturday before Thanksgiving each year; while 69% were opposed to opening the season on this Saturday.

Since 1925, the firearm deer hunting season in Michigan has usually begun on November 15. The only exceptions were during 1962-1967, when the seasons were altered so they began on a Saturday in mid-November (Ryel 1983). There have been periodic suggestions for making a Saturday opening day, although assessments have shown the traditional November 15 opening date has consistently been the preferred choice (Frawley and Rudolph 2008), including results of this survey.

About 56,915 hunters used a crossbow during the archery season, and they harvested about 24,882 deer with the crossbow (Table 14). About 36% of these archers using a crossbow harvested a deer with a crossbow. Hunters using a crossbow to hunt deer were required to obtain a crossbow stamp, unless they were a disabled hunter that already had a DNRE-issued crossbow permit. About 60 ± 2% of the archers using a crossbow during the archery season had obtained the required crossbow stamp.

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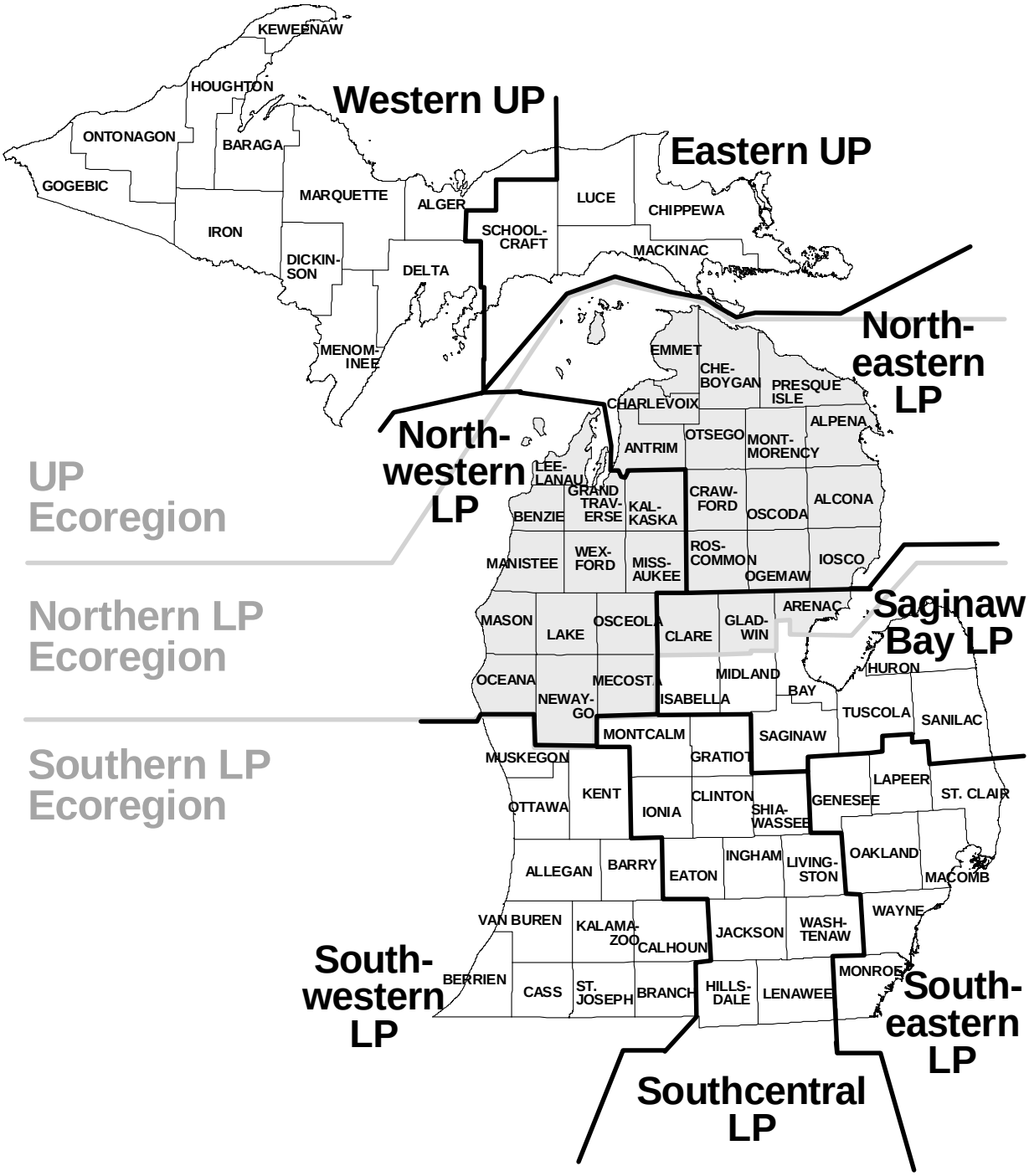

Figure 1. Areas used to summarize deer harvest in Michigan for the 2009 hunting seasons.

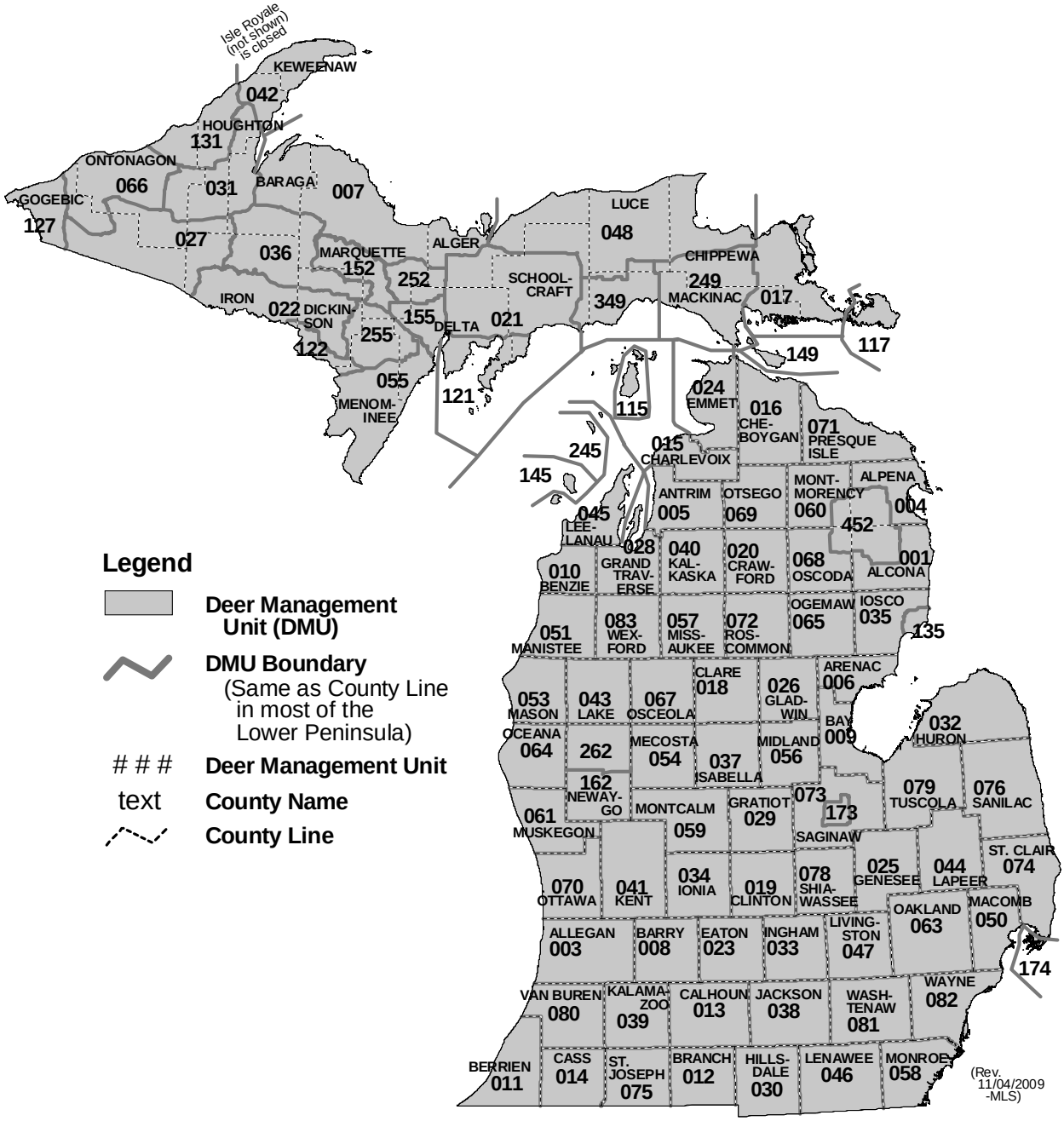

Figure 2. Deer Management Units in Michigan for the 2009 hunting seasons.

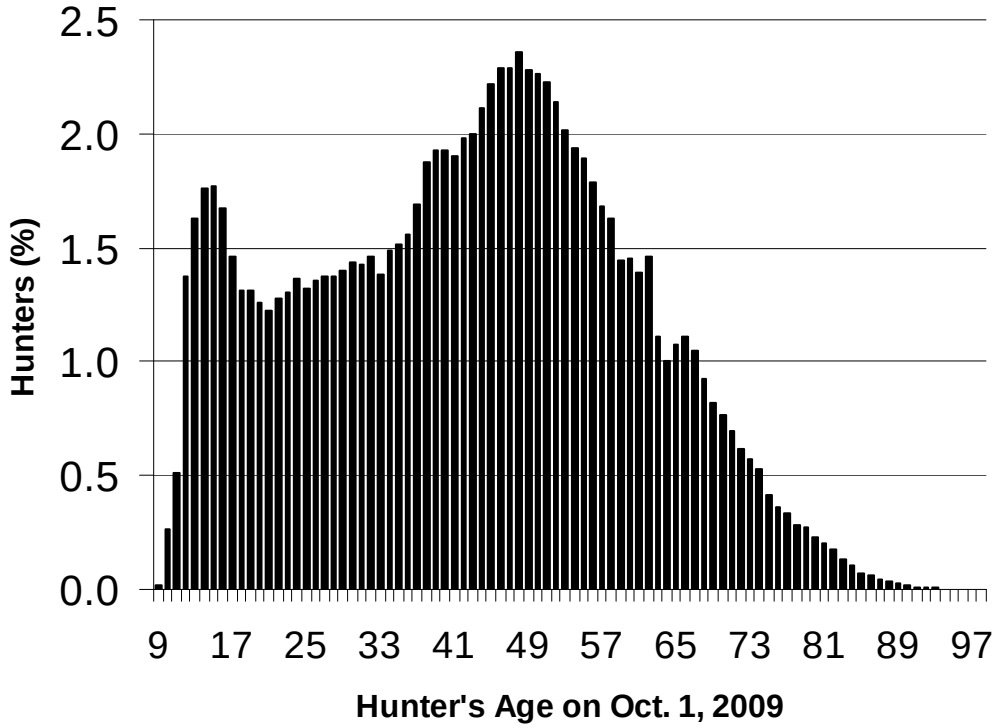

Figure 3. Age of people that purchased a deer hunting license in Michigan for the 2009 hunting seasons ($\bar{x}$ = 42 years).

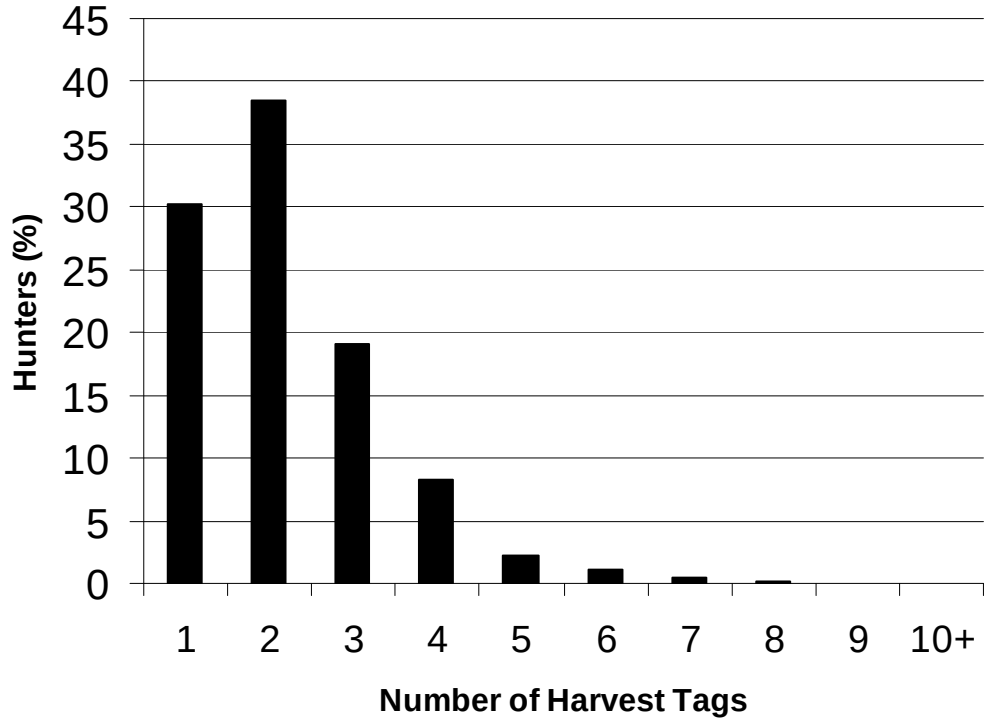

Figure 4. Number of harvest tags (all license and tag types) issued per person for hunting deer in Michigan during the 2009 hunting seasons ($\bar{x}$ = 2.2 tags). Licenses were purchased by 725,190 people.

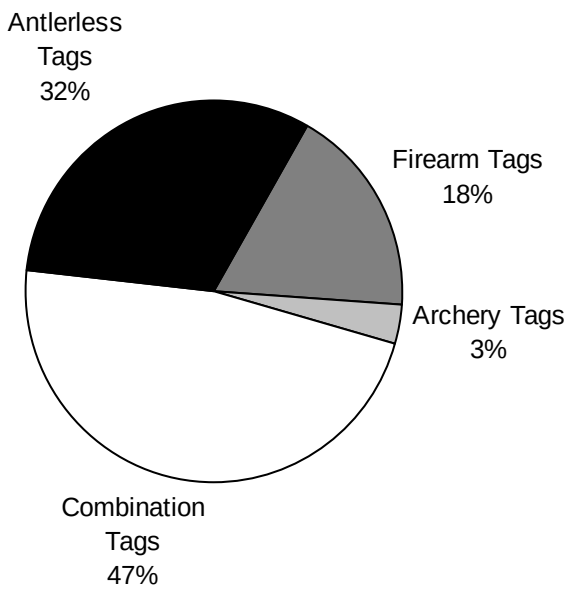

Figure 5. Types of harvest tags issued for deer hunting in Michigan during the 2009 hunting seasons.

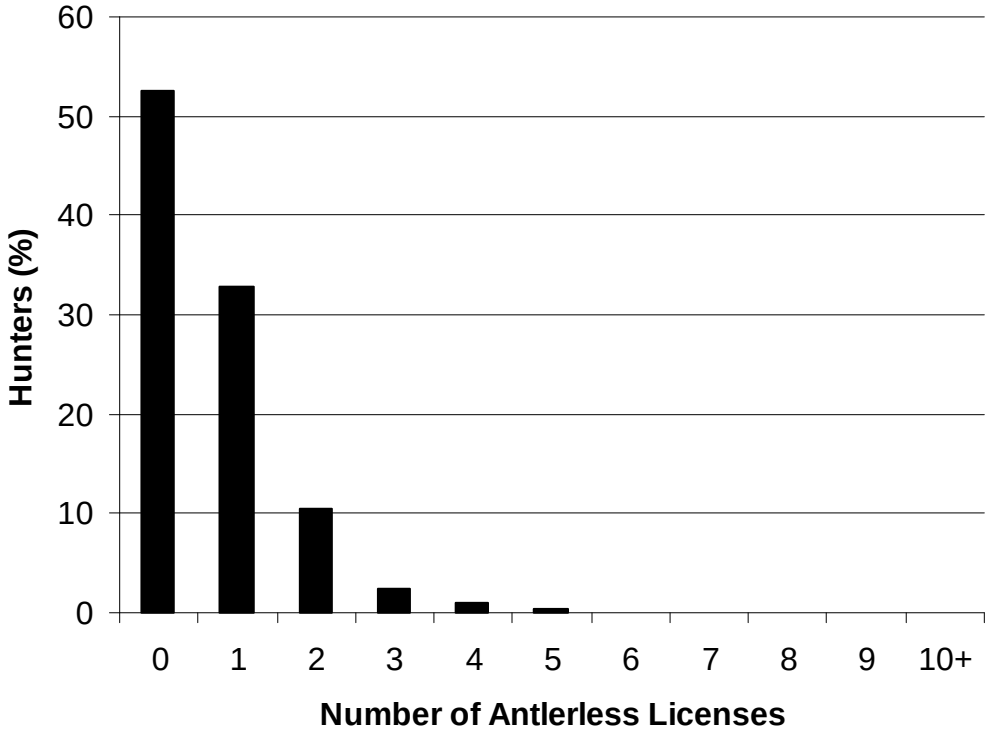

Figure 6. Percentage of deer hunting license buyers (all license types) purchasing an antlerless license in Michigan, 2009. Antlerless licenses were purchased by 344,762 of 725,190 people (48%) buying deer hunting licenses.

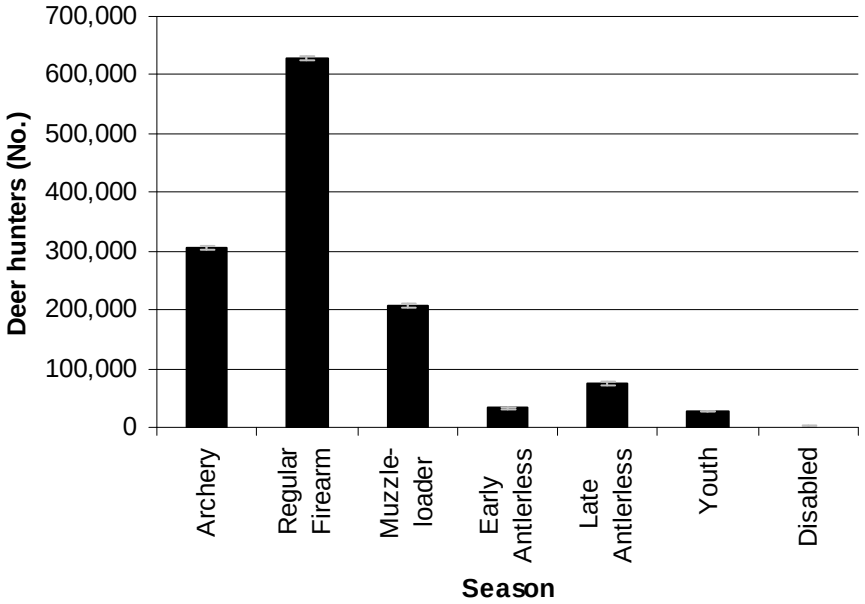

Figure 7. Number of people hunting deer in Michigan during the 2009 hunting seasons. Error bars represent the 95% CLs.

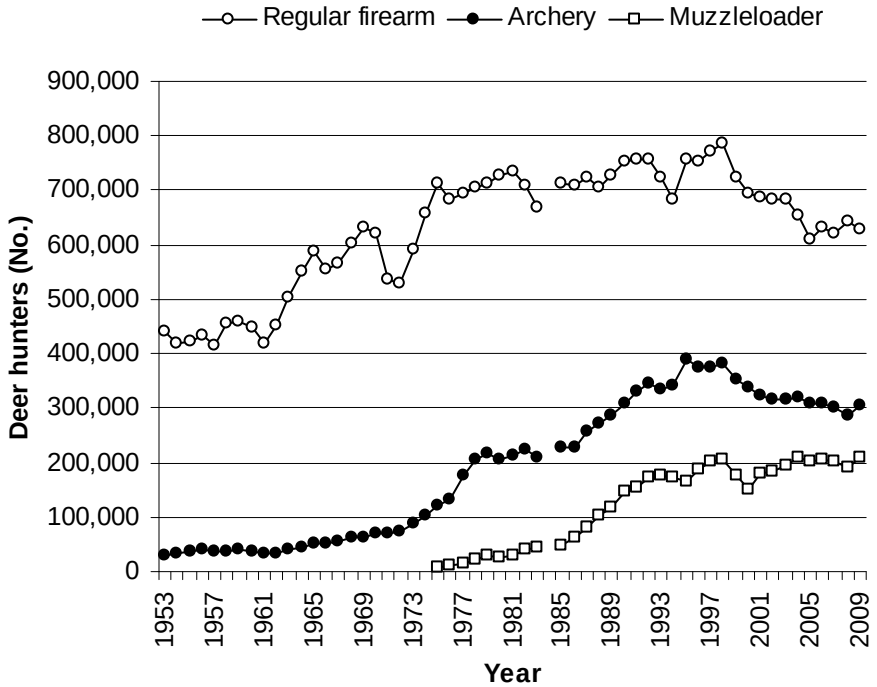

Figure 8. Number of people hunting deer in Michigan during the regular firearm, archery, and muzzleloader seasons, 1953-2009.

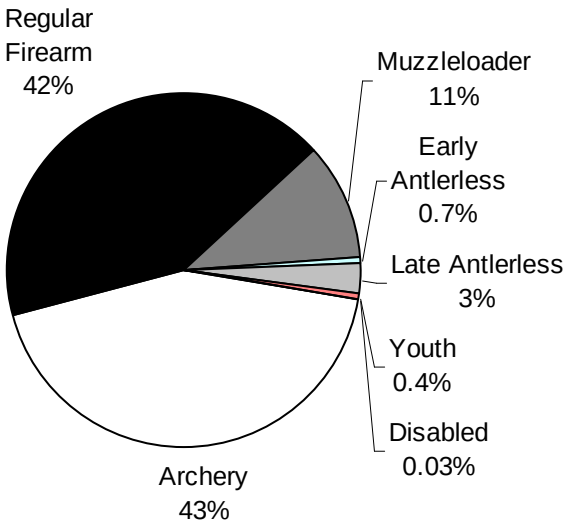

Figure 9. Distribution of hunting effort among deer hunting seasons in Michigan, 2009.

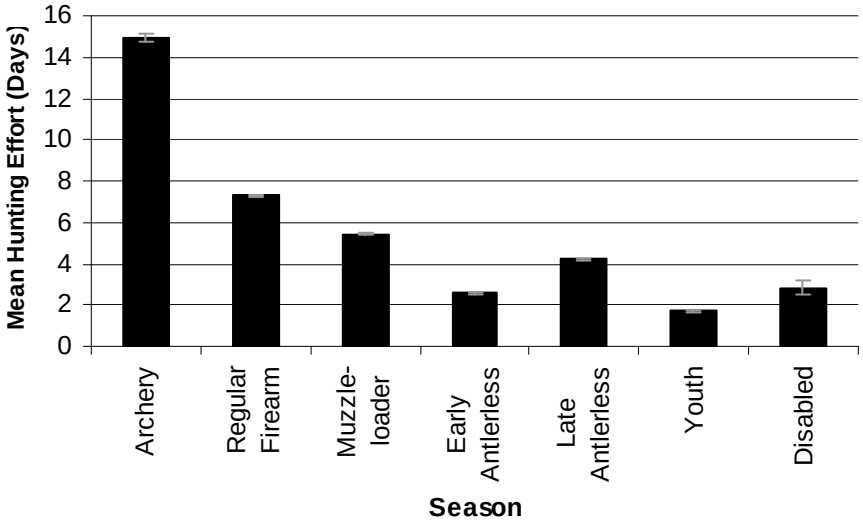

Figure 10. Mean number of days per hunter spent hunting deer in Michigan during the 2009 hunting seasons. Error bars represent the 95% CLs.

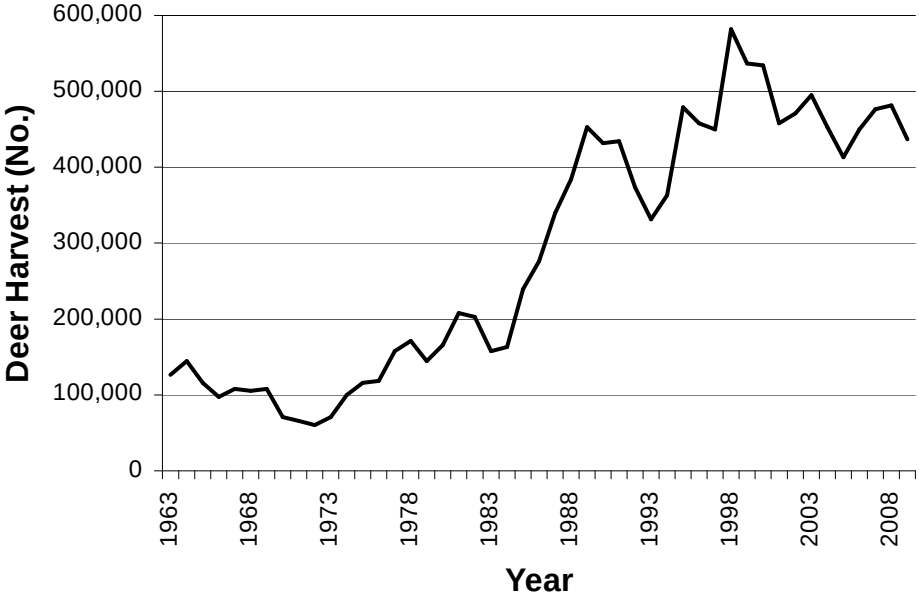

Figure 11. Number of deer harvested in Michigan's hunting seasons, 1963-2009. Harvest from all seasons and for all deer sexes was combined.

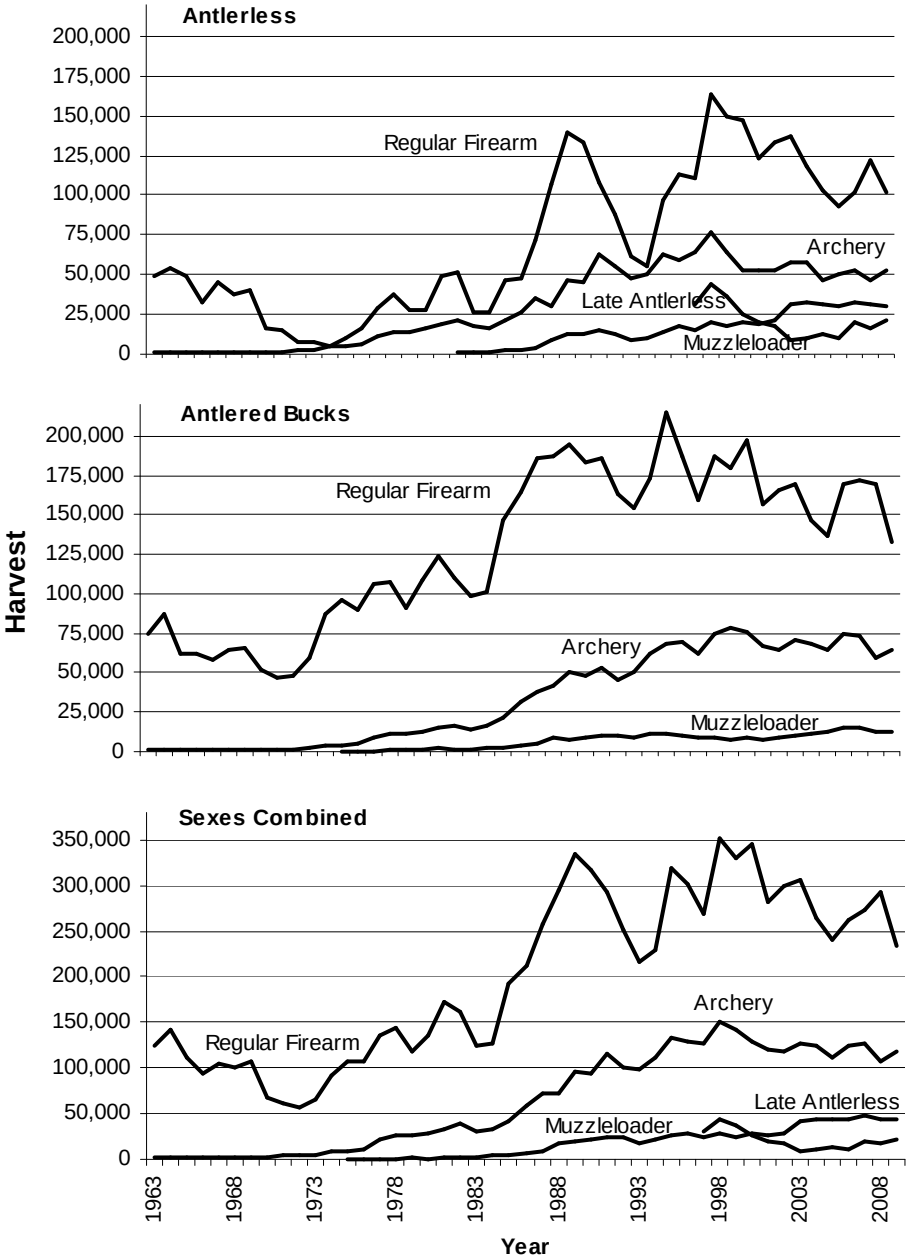

Figure 12. Number of deer harvested in Michigan's hunting seasons, 1963-2009. Harvests for early antlerless, youth, and special disabled hunter seasons were not shown.

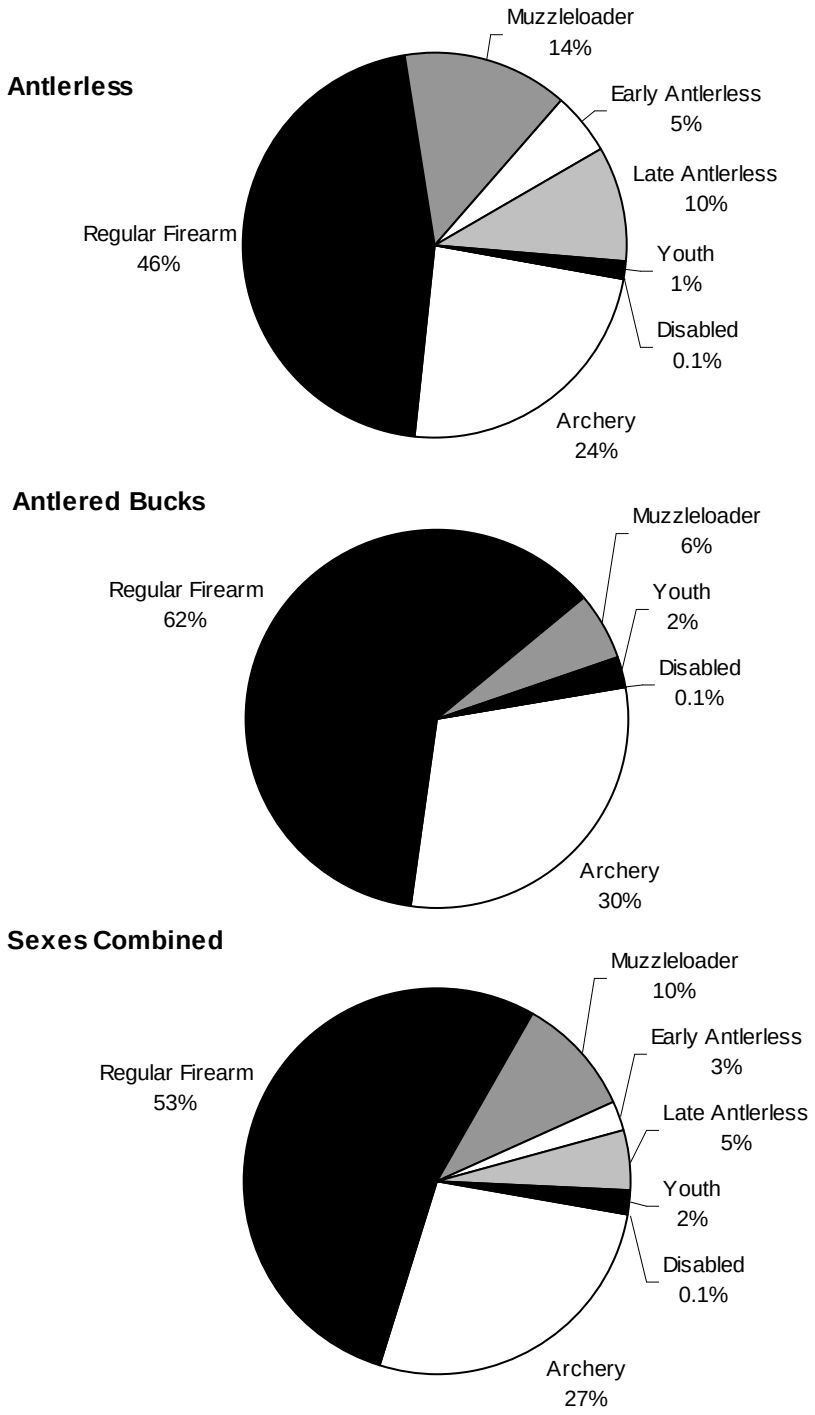

Figure 13. Distribution of harvest among deer hunting seasons in Michigan, 2009. Antlered deer had antlers at least 3 inches in length; antlerless deer included deer without antlers and deer with antlers less than 3 inches in length.

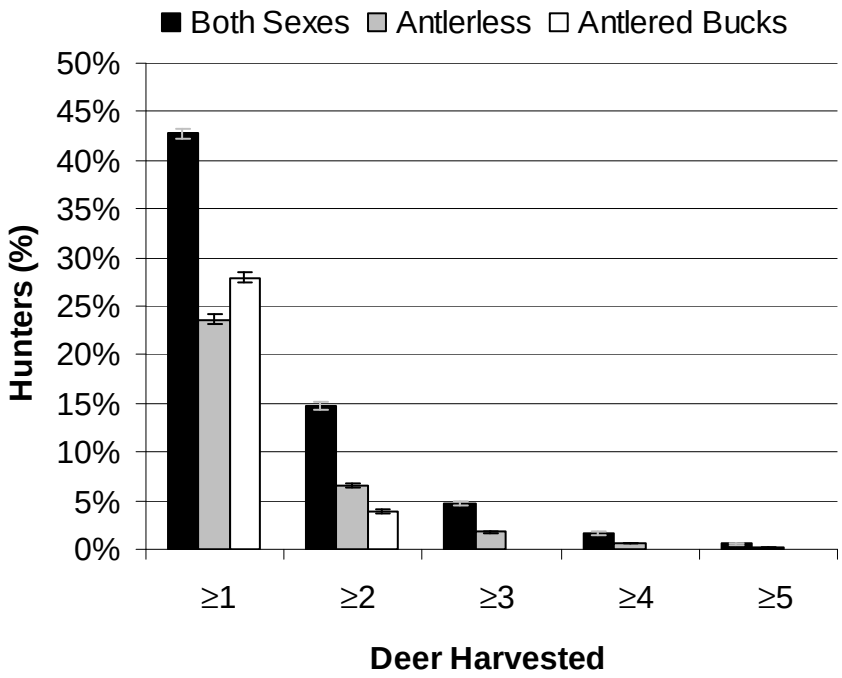

Figure 14. Percentage of hunters harvesting a deer in Michigan, 2009. Error bars represent the 95% CLs.

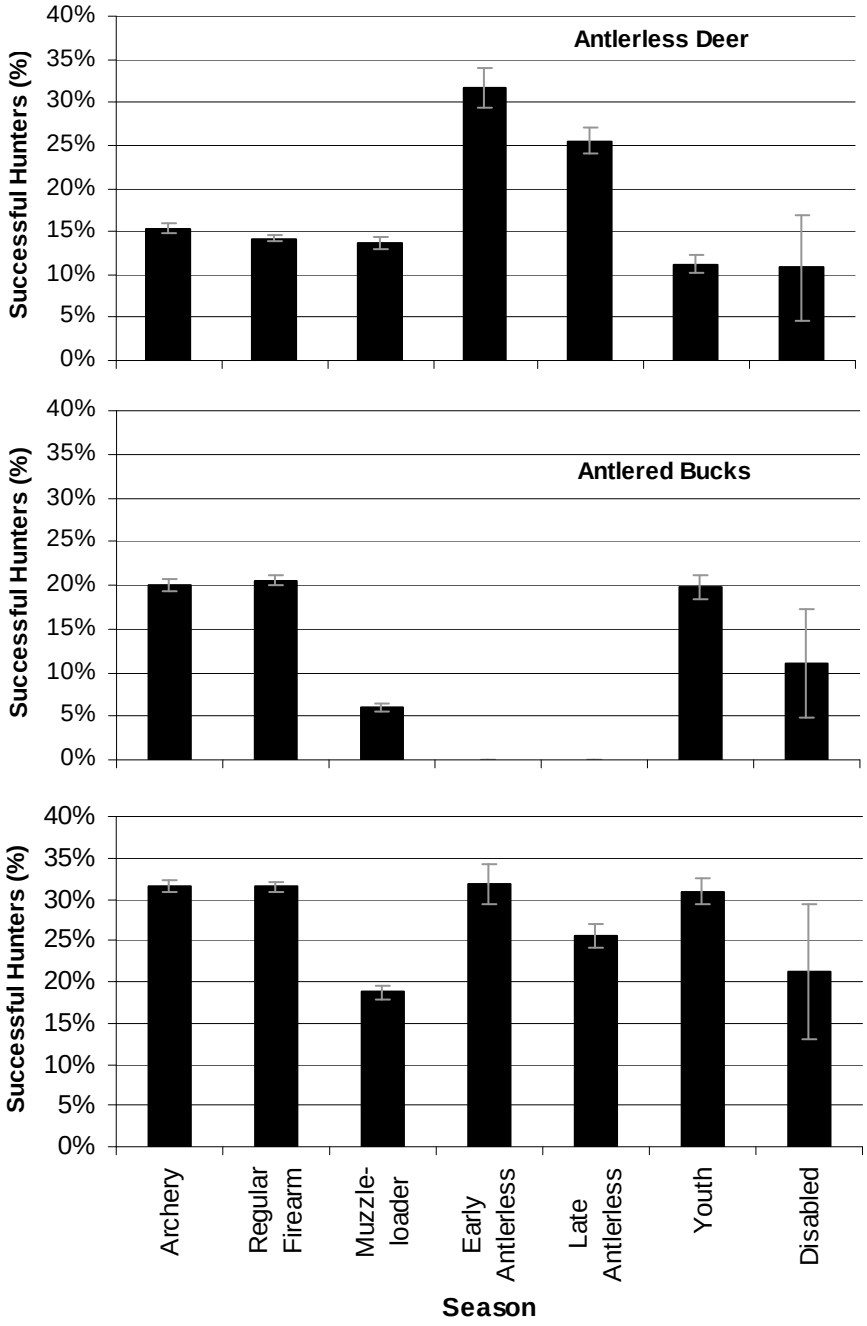

Figure 15. Percentage of hunters harvesting a deer in Michigan's deer hunting seasons, 2009. Error bars represent the 95% CLs. Antlered deer had antlers at least 3 inches in length; antlerless deer included deer without antlers and deer with antlers less than 3 inches in length.

Table 1. Kind of deer that could be taken during the 2009 Michigan deer hunting seasons for each combination of season and hunting license.

Type of license (harvest tag) or permit	Season	Kind of deer that could be harvested[a]
Archery License	Archery seasons	Antlerless or antlered deer[b]
Firearm License	Regular Firearm, or Muzzleloading seasons	Antlered deer only[b]
Firearm License	Youth and 100% disabled veteran hunt[c]	Antlerless or antlered deer
Combination License[d] (Regular harvest tag)	Archery season	Antlerless or antlered deer
Combination License[d] (Regular harvest tag)	Regular Firearm, or Muzzleloading seasons	Antlered deer only
Combination License[d] (Regular harvest tag)	Youth and 100% disabled veteran hunt	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, Youth, or Muzzleloading seasons	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)	Youth and 100% disabled veteran hunt	Antlerless or antlered deer
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, 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]All youths 10 and 11 years of age were restricted to archery-only hunting. Hunters could harvest only 1 deer in the youth and 100% disabled veterans season.

[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 can 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 firearm, archery, combination, or antlerless deer 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. Number of Michigan deer licenses purchased and harvest tags issued, 2007-2009.

Licenses or Harvest Tags	Number Purchased or Issued 2007	2008	2009	Change Between 2008 and 2009 (%)
Firearm Licenses				
Resident	231,339	249,345	237,282	-4.8
Non-resident	12,335	13,299	13,170	-1.0
Senior	32,733	35,243	35,568	0.9
Military	833	822	1,015	23.5
Subtotal	277,240	298,709	287,035	-3.9
Archery Licenses				
Resident	38,832	35,564	39,246	10.4
Non-resident	2,895	2,579	2,869	11.2
Junior	4,583	4,098	3,807	-7.1
Senior	3,443	3,379	4,578	35.5
Military	226	208	266	27.9
Subtotal	49,979	45,828	50,766	10.8
Combination Licenses[a]				
Resident	303,547	285,698	287,564	0.7
Non-resident	1,886	1,889	1,861	-1.5
Junior	51,290	49,092	48,247	-1.7
Senior	36,358	36,043	39,037	8.3
Military	1,129	1,484	1,669	12.5
Subtotal	394,210	374,206	378,378	1.1
Antlerless Licenses				
Resident	409,584	487,987	489,302	0.3
Non-resident	3,013	3,204	2,584	-19.4
Junior	4,678	5,799	4,554	-21.5
Military	851	1,408	2,181	54.9
Deer Management Assistance	9,512	12,213	10,679	-12.6
Managed Deer Hunt	974	604	245	-59.4
Subtotal	428,612	511,215	509,545	-0.3
Total Licenses Sold	1,150,041	1,229,958	1,225,724	-0.3
Harvest Tags Issued				
Firearm	277,240	298,709	287,035	-3.9
Archery	49,979	45,828	50,766	10.8
Combination	788,420	748,412	756,756	1.1
Antlerless	428,612	511,215	509,545	-0.3
Total Harvest Tags	1,544,251	1,604,164	1,604,102	0.0

[a]Combination 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, 2008-2009.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2008	2009	95% CL[b]	Change from 2008 to 2009 (%)	2008	2009	95% CL[b]	Change from 2008 to 2009 (%)
Archery								
West UP	20,037	21,136	1,333	5.5	241,077	272,592	22,676	13.1
East UP	6,536	7,421	804	13.5	63,884	74,605	11,178	16.8
NE LP	40,155	44,385	1,911	10.5*	402,280	486,496	29,076	20.9*
NW LP	55,945	57,538	2,146	2.8	688,714	687,646	34,128	-0.2
Sag. Bay	50,703	53,061	2,072	4.7	621,714	673,930	35,004	8.4
SW LP	49,791	56,516	2,113	13.5*	719,332	807,863	39,611	12.3*
SC LP	64,691	67,280	2,286	4.0	921,511	929,039	42,172	0.8
SE LP	31,680	34,890	1,704	10.1	420,693	477,494	31,195	13.5
UP	26,336	28,374	2,631	7.7	304,961	347,197	25,281	13.8
NLP	111,588	116,405	3,759	4.3	1,291,448	1,374,215	48,558	6.4
SLP	172,465	187,080	3,592	8.5*	2,482,797	2,688,254	72,099	8.3*
Statewide[c]	285,508	305,332	3,902	6.9*	4,079,206	4,409,666	90,708	8.1*
Regular Firearm								
West UP	73,738	74,095	2,367	0.5	538,628	578,634	22,338	7.4
East UP	23,687	22,274	1,375	-6.0	160,936	150,775	11,048	-6.3
NE LP	116,584	112,510	2,881	-3.5	698,492	706,251	23,115	1.1
NW LP	124,355	122,871	2,965	-1.2	726,246	721,616	22,671	-0.6
Sag. Bay	99,780	97,481	2,710	-2.3	600,317	598,416	21,158	-0.3
SW LP	97,360	93,832	2,619	-3.6	647,367	611,787	21,883	-5.5
SC LP	117,855	113,432	2,827	-3.8	745,883	714,012	23,313	-4.3
SE LP	43,535	43,772	1,895	0.5	255,540	256,249	13,765	0.3
UP	96,732	95,841	1,536	-0.9	699,564	729,408	24,921	4.3
NLP	271,218	263,013	2,913	-3.0*	1,622,027	1,615,286	34,379	-0.4
SLP	314,499	307,250	3,370	-2.3*	2,051,817	1,993,045	39,062	-2.9
Statewide[c]	642,317	628,675	2,593	-2.1*	4,373,408	4,337,740	57,900	-0.8

[a]Excluded people that did not hunt during the season.
[b]95% confidence limit for the 2009 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.
*P<0.005.

Table 3 (continued). Number of deer hunters and hunting effort in Michigan by hunting season, 2008-2009.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2008	2009	95% CL[b]	Change from 2008 to 2009 (%)	2008	2009	95% CL[b]	Change from 2008 to 2009 (%)
Muzzleloader								
West UP	15,787	18,956	1,270	20.1*	76,605	99,834	7,565	30.3*
East UP	5,865	6,003	724	2.4	28,947	31,206	4,241	7.8
NE LP	19,148	23,948	1,438	25.1*	78,106	104,565	7,296	33.9*
NW LP	22,093	25,234	1,467	14.2*	89,318	104,597	7,207	17.1*
Sag. Bay	30,982	33,025	1,660	6.6	138,755	155,434	9,632	12.0
SW LP	39,851	41,406	1,833	3.9	209,348	222,524	12,265	6.3
SC LP	45,344	47,707	1,954	5.2	225,066	248,357	12,932	10.3
SE LP	19,415	20,531	1,322	5.7	94,333	108,776	8,714	15.3
UP	21,517	24,808	1,445	15.3*	105,553	131,040	8,673	24.1*
NLP	49,117	57,059	2,158	16.2*	199,209	243,523	11,038	22.2*
SLP	124,386	130,654	2,931	5.0*	635,718	700,730	21,673	10.2*
Statewide[c]	190,742	208,230	3,547	9.2*	940,479	1,075,293	25,930	14.3*
Early Antlerless								
West UP	0	0	0		0	0	0	
East UP	0	0	0		0	0	0	
NE LP	2,050	2,218	432	8.2	4,295	5,510	1,234	28.3
NW LP	871	1,568	363	80.2*	1,805	3,392	896	87.9*
Sag. Bay	5,002	5,310	660	6.2	11,136	12,550	1,790	12.7
SW LP	9,409	8,398	820	-10.7	21,757	20,740	2,352	-4.7
SC LP	11,981	10,268	907	-14.3	26,731	23,467	2,440	-12.2
SE LP	5,379	4,610	612	-14.3	11,719	10,861	1,634	-7.3
UP	0	0	0		0	0	0	
NLP	3,076	3,849	566	25.1	6,710	9,153	1,555	36.4
SLP	31,286	28,262	1,452	-9.7	70,734	67,367	4,155	-4.8
Statewide[c]	35,243	32,669	566	-7.3*	77,444	76,520	4,489	-1.2

[a]Excluded people that did not hunt during the season.
[b]95% confidence limit for the 2009 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.
*P<0.005.

Table 3 (continued). Number of deer hunters and hunting effort in Michigan by hunting season, 2008-2009.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2008	2009	95% CL[b]	Change from 2008 to 2009 (%)	2008	2009	95% CL[b]	Change from 2008 to 2009 (%)
Late Antlerless								
West UP	0	0	0		0	0	0	
East UP	0	0	0		0	0	0	
NE LP	2,473	4,070	594	64.6*	7,447	15,085	2,794	102.6*
NW LP	0	4,044	592		0	14,400	2,690	
Sag. Bay	5,848	11,977	1,003	104.8*	20,013	45,227	4,745	126.0*
SW LP	18,609	22,134	1,335	18.9*	66,878	85,208	6,458	27.4*
SC LP	22,985	26,032	1,434	13.3*	80,747	101,294	7,038	25.4*
SE LP	5,134	6,078	722	18.4	17,880	23,497	3,376	31.4
UP	0	0	0		0	0	0	
NLP	2,473	8,291	841	235.3*	7,447	30,415	3,959	308.4*
SLP	52,059	65,345	2,080	25.5*	185,519	254,297	11,159	37.1*
Statewide[c]	56,218	74,806	2,173	33.1*	192,966	284,712	11,956	47.5*
Youth								
West UP	1,447	1,548	226	7.0	2,398	2,612	398	8.9
East UP	450	318	104	-29.4	796	491	168	-38.3
NE LP	2,977	2,790	300	-6.3	5,319	4,824	553	-9.3
NW LP	5,308	5,537	406	4.3	8,984	9,201	745	2.4
Sag. Bay	5,548	4,815	383	-13.2	9,188	8,048	703	-12.4
SW LP	4,467	4,276	364	-4.3	7,135	6,783	635	-4.9
SC LP	6,262	5,537	407	-11.6	10,405	9,078	742	-12.8
SE LP	2,604	2,421	281	-7.0	4,284	4,009	497	-6.4
UP	1,897	1,866	247	-1.7	3,194	3,103	432	-2.9
NLP	9,712	9,597	502	-1.2	16,701	16,214	998	-2.9
SLP	17,319	15,606	573	-9.9*	28,614	25,729	1,249	-10.1*
Statewide[c]	28,956	27,240	544	-5.9*	48,509	45,047	1,663	-7.1

[a]Excluded people that did not hunt during the season.
[b]95% confidence limit for the 2009 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.
*P<0.005.

Table 3 (continued). Number of deer hunters and hunting effort in Michigan by hunting season, 2008-2009.

	Number of hunters[a]				Hunting effort (days)			
Season and Area	2008	2009	95% CL[b]	Change from 2008 to 2009 (%)	2008	2009	95% CL[b]	Change from 2008 to 2009 (%)
Disabled hunts								
West UP	177	202	114	14.1	475	673	440	41.6
East UP	15	40	52	160.0	33	57	75	70.6
NE LP	145	165	108	13.8	272	434	334	59.6
NW LP	208	228	115	9.3	587	552	333	-6.0
Sag. Bay	275	342	157	24.4	494	647	390	31.1
SW LP	196	191	118	-2.9	299	470	322	57.1
SC LP	389	258	139	-33.8	749	449	272	-40.1
SE LP	117	97	86	-17.2	177	282	306	59.2
UP	192	242	126	25.7	509	730	446	43.4
NLP	535	515	185	-3.6	1,110	1,196	515	7.7
SLP	793	761	235	-4.1	1,469	1,639	617	11.6
Statewide[c]	1,606	1,594	335	-0.7	3,087	3,564	963	15.4
All Seasons								
West UP	81,286	81,446	2,462	0.2	859,333	954,272	41,691	11.0*
East UP	27,347	25,842	1,477	-5.5	254,607	257,113	20,599	1.0
NE LP	129,115	126,247	3,012	-2.2	1,196,463	1,323,251	49,268	10.6*
NW LP	140,392	139,451	3,107	-0.7	1,516,582	1,541,940	53,878	1.7
Sag. Bay	116,030	114,350	2,889	-1.4	1,401,829	1,494,283	57,514	6.6
SW LP	112,686	111,975	2,816	-0.6	1,671,309	1,755,030	66,422	5.0
SC LP	139,458	134,982	3,019	-3.2	2,010,307	2,025,287	70,797	0.7
SE LP	58,032	60,512	2,193	4.3	804,669	881,367	47,555	9.5
UP	107,412	106,155	2,741	-1.2	1,113,940	1,211,385	46,502	8.7*
NLP	301,978	294,114	3,824	-2.6*	3,146,084	3,290,822	78,596	4.6
SLP	367,763	365,648	3,603	-0.6	5,455,076	5,730,334	118,939	5.0*
Statewide[c]	693,817	686,392	1,653	-1.1*	9,715,100	10,232,542	150,355	5.3*

[a]Excluded people that did not hunt during the season.
[b]95% confidence limit for the 2009 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.
*P<0.005.

Table 4. Mean number of days hunters spent hunting deer ($\bar{x}$ hunting effort) in Michigan by hunting season, 2009.[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	13.0	0.7	8.0	0.1	5.4	0.2	0.0	0.0
East UP	10.5	1.1	7.1	0.3	5.3	0.3	0.0	0.0
NE LP	11.2	0.5	6.5	0.1	4.5	0.2	2.7	0.3
NW LP	12.3	0.4	6.1	0.1	4.3	0.2	2.3	0.3
Sag. Bay	12.9	0.4	6.4	0.1	4.9	0.2	2.5	0.2
SW LP	14.7	0.5	6.8	0.1	5.6	0.2	2.6	0.1
SC LP	14.2	0.4	6.6	0.1	5.5	0.2	2.4	0.1
SE LP	14.0	0.6	6.2	0.2	5.5	0.3	2.5	0.2
UP	12.4	0.6	7.9	0.1	5.4	0.2	0.0	0.0
NLP	12.1	0.3	6.4	0.1	4.4	0.1	2.6	0.2
SLP	14.8	0.3	6.8	0.1	5.6	0.1	2.5	0.1
Statewide	15.0	0.2	7.3	0.1	5.4	0.1	2.6	0.1

[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, 2009.[a]

	Season							
	Late Antlerless		Youth		Disabled Hunts		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	1.7	0.1	3.2	1.0	12.0	0.4
East UP	0.0	0.0	1.5	0.2	4.1	0.3	10.3	0.6
NE LP	4.0	0.4	1.8	0.0	3.0	0.9	10.8	0.3
NW LP	3.8	0.4	1.7	0.0	2.7	0.9	11.4	0.3
Sag. Bay	4.1	0.2	1.7	0.0	2.9	0.8	13.5	0.4
SW LP	4.2	0.2	1.6	0.0	2.7	0.7	16.3	0.4
SC LP	4.1	0.2	1.7	0.0	2.1	0.7	15.5	0.4
SE LP	4.2	0.3	1.7	0.1	2.8	1.9	15.2	0.6
UP	0.0	0.0	1.7	0.1	3.3	0.9	11.7	0.3
NLP	4.0	0.3	1.7	0.0	2.8	0.5	11.5	0.2
SLP	4.2	0.1	1.7	0.0	2.6	0.5	16.3	0.2
Statewide	4.2	0.1	1.7	0.0	2.8	0.4	15.6	0.2

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

Table 5. Number of deer harvested in Michigan, 2007-2009.

Season or permit	Type of deer	2007	2008	2009	Change from 2008 to 2009 (%)
Season					
Archery	Antlerless	52,666	46,423	53,053	14.3*
	Antlered bucks	73,531	60,016	64,580	7.6
	Sexes combined	126,197	106,439	117,633	10.5*
Regular firearm	Antlerless	101,413	122,160	101,234	-17.1*
	Antlered bucks	171,410	169,665	132,822	-21.7*
	Sexes combined	272,823	291,825	234,056	-19.8*
Muzzleloader	Antlerless	32,094	31,049	30,595	-1.5
	Antlered bucks	15,080	13,085	12,252	-6.4
	Sexes combined	47,174	44,134	42,847	-2.9
Early antlerless	Antlerless	NA	12,871	11,545	-10.3
Late antlerless	Antlerless	19,503	16,453	21,325	29.6*
Youth	Antlerless	3,490	3,007	2,993	-0.5
	Antlered bucks	7,408	5,584	5,283	-5.4
	Sexes combined	10,898	8,590	8,275	-3.7
Disabled hunts	Antlerless	NA	142	171	20.4
	Antlered bucks	NA	184	184	-0.2
	Sexes combined	NA	326	354	8.8
Special permits[a]	Antlerless	7,389	9,468	8,195	-13.4
Grand Total	Antlerless	216,555	241,573	229,111	-5.2
	Antlered bucks	267,429	248,350	214,937	-13.5*
	Sexes combined	483,984	489,922	444,047	-9.4*

[a]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, 2008-2009.[a]

Season and Area	Antlerless 2008 Harvest	Antlerless 2009 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2008 to 2009 (%)	Antlered Bucks 2008 Harvest	Antlered Bucks 2009 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2008 to 2009 (%)	Sexes Combined 2008 Harvest	Sexes Combined 2009 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2008 to 2009 (%)
Archery												
West UP	4,663	3,475	592	-25.5	2,859	2,236	438	-21.8	7,519	5,710	769	-24.1*
East UP	1,113	990	332	-11.1	727	879	288	20.9	1,839	1,868	454	1.6
NE LP	4,384	5,140	712	17.2	3,998	4,807	673	20.2	8,380	9,946	1,035	18.7
NW LP	7,281	7,691	876	5.6	9,627	8,138	872	-15.5	16,908	15,828	1,345	-6.4
Sag. Bay	6,795	8,507	950	25.2	9,793	11,607	1,058	18.5	16,589	20,115	1,538	21.3*
SW LP	7,797	10,809	1,130	38.6*	11,222	13,477	1,165	20.1*	19,020	24,286	1,818	27.7*
SC LP	10,440	11,345	1,147	8.7	15,937	16,876	1,294	5.9	26,380	28,223	1,911	7.0
SE LP	3,951	5,097	777	29.0	5,853	6,561	799	12.1	9,805	11,658	1,191	18.9
UP	5,776	4,464	679	-22.7	3,586	3,115	524	-13.1	9,358	7,578	893	-19.0
NLP	14,214	15,403	1,232	8.4	16,292	15,433	1,203	-5.3	30,503	30,835	1,849	1.1
SLP	26,433	33,185	1,963	25.5*	40,138	46,032	2,134	14.7*	66,578	79,221	3,194	19.0*
Statewide	46,423	53,053	2,421	14.3*	60,016	64,580	2,511	7.6	106,439	117,6 33	3,806	10.5*
Regular Firearm												
West UP	6,556	5,511	784	-15.9	22,743	16,516	1,227	-27.4*	29,341	22,028	1,526	-24.9*
East UP	1,367	373	169	-72.7*	5,437	2,663	493	-51.0*	6,815	3,036	534	-55.5*
NE LP	15,736	10,743	1,047	-31.7*	25,767	20,834	1,385	-19.1*	41,516	31,578	1,876	-23.9*
NW LP	16,349	15,178	1,221	-7.2	30,109	21,976	1,415	-27.0*	46,480	37,155	2,008	-20.1*
Sag. Bay	20,980	19,183	1,409	-8.6	25,415	20,806	1,392	-18.1*	46,383	39,988	2,174	-13.8*
SW LP	23,344	19,290	1,490	-17.4*	22,256	18,373	1,305	-17.4*	45,569	37,661	2,158	-17.4*
SC LP	30,341	25,552	1,729	-15.8*	30,321	25,057	1,536	-17.4*	60,626	50,607	2,538	-16.5*
SE LP	7,487	5,404	753	-27.8*	7,615	6,598	780	-13.4	15,094	12,002	1,165	-20.5*
UP	7,923	5,884	802	-25.7*	28,180	19,179	1,323	-31.9*	36,156	25,064	1,617	-30.7*
NLP	38,090	31,452	1,778	-17.4*	63,999	48,424	2,105	-24.3*	102,123	79,877	2,966	-21.8*
SLP	76,147	63,898	2,680	-16.1*	77,485	65,219	2,469	-15.8*	153,545	129,114	3,993	-15.9*
Statewide	122,160	101,234	3,326	-17.1*	169,665	132,822	3,513	-21.7*	291,825	234,056	5,246	-19.8*

[a]Harvest estimates do not include deer taken with DMA permits. An additional 8,195 deer were taken with these permits.
[b]95% confidence limit for the 2009 estimate.
*P<0.005.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 2008-2009.[a]

Season and Area	Antlerless 2008 Harvest	Antlerless 2009 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2008 to 2009 (%)	Antlered Bucks 2008 Harvest	Antlered Bucks 2009 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2008 to 2009	Sexes Combined 2008 Harvest	Sexes Combined 2009 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2008 to 2009
Muzzleloader												
West UP	2,601	2,016	468	-22.5	1,886	1,040	312	-44.9*	4,488	3,055	578	-31.9*
East UP	501	193	127	-61.4	536	424	202	-20.9	1,038	617	238	-40.5
NE LP	2,113	2,550	498	20.6	1,004	1,108	311	10.4	3,117	3,658	591	17.4
NW LP	2,514	3,079	549	22.5	923	896	277	-2.9	3,437	3,975	633	15.6
Sag. Bay	5,739	6,064	792	5.7	1,729	1,990	409	15.1	7,468	8,054	921	7.9
SW LP	6,978	6,606	828	-5.3	2,987	2,592	472	-13.2	9,966	9,198	997	-7.7
SC LP	8,157	8,127	930	-0.4	3,065	3,194	534	4.2	11,222	11,321	1,109	0.9
SE LP	2,444	1,961	423	-19.8	954	1,007	296	5.5	3,398	2,967	537	-12.7
UP	3,102	2,209	484	-28.8	2,423	1,464	372	-39.6*	5,526	3,672	625	-33.5*
NLP	6,086	6,902	821	13.4	2,313	2,312	448	0.0	8,398	9,215	951	9.7
SLP	21,861	21,483	1,494	-1.7	8,350	8,476	858	1.5	30,210	29,960	1,790	-0.8
Statewide	31,049	30,595	1,783	-1.5	13,085	12,252	1,044	-6.4	44,134	42,847	2,135	-2.9
Early Antlerless												
West UP	0	0	0		0	0	0		0	0	0	
East UP	0	0	0		0	0	0		0	0	0	
NE LP	771	806	322	4.5	0	0	0		771	806	322	4.5
NW LP	421	757	258	80.0	0	0	0		421	757	258	80.0
Sag. Bay	2,138	2,117	475	-1.0	0	0	0		2,138	2,117	475	-1.0
SW LP	3,065	2,432	491	-20.7	0	0	0		3,065	2,432	491	-20.7
SC LP	4,535	4,144	693	-8.6	0	0	0		4,535	4,144	693	-8.6
SE LP	1,942	1,288	347	-33.7	0	0	0		1,942	1,288	347	-33.7
UP	0	0	0		0	0	0		0	0	0	
NLP	1,310	1,564	413	19.4	0	0	0		1,310	1,564	413	19.4
SLP	11,562	9,981	1,033	-13.7	0	0	0		11,562	9,981	1,033	-13.7
Statewide	12,871	11,545	1,120	-10.3	0	0	0		12,871	11,545	1,120	-10.3

[a]Harvest estimates do not include deer taken with DMA permits. An additional 8,195 deer were taken with these permits.
[b]95% confidence limit for the 2009 estimate.
*P<0.005.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 2008-2009.[a]

Season and Area	Antlerless 2008 Harvest	Antlerless 2009 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2008 to 2009 (%)	Antlered Bucks 2008 Harvest	Antlered Bucks 2009 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2008 to 2009	Sexes Combined 2008 Harvest	Sexes Combined 2009 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2008 to 2009
Late Antlerless												
West UP	0	0	0		0	0	0		0	0	0	
East UP	0	0	0		0	0	0		0	0	0	
NE LP	564	1,033	340	83.3	0	0	0		564	1,033	340	83.3
NW LP	0	1,561	434		0	0	0		0	1,561	434	
Sag. Bay	2,325	3,583	627	54.1*	0	0	0		2,325	3,583	627	54.1*
SW LP	5,076	6,085	811	19.9	0	0	0		5,076	6,085	811	19.9
SC LP	7,274	7,726	915	6.2	0	0	0		7,274	7,726	915	6.2
SE LP	1,214	1,337	372	10.2	0	0	0		1,214	1,337	372	10.2
UP	0	0	0		0	0	0		0	0	0	
NLP	564	2,645	555	369.4*	0	0	0		564	2,645	555	369.4*
SLP	15,889	18,680	1,422	17.6*	0	0	0		15,889	18,680	1,422	17.6*
Statewide	16,453	21,325	1,535	29.6*	0	0	0		16,453	21,325	1,535	29.6*
Youth												
West UP	226	212	85	-6.2	296	334	106	12.8	522	546	136	4.6
East UP	41	20	26	-50.6	71	50	41	-29.9	112	70	49	-37.4
NE LP	267	266	94	-0.6	666	535	135	-19.7	933	801	164	-14.2
NW LP	633	683	151	7.8	1,204	1,241	205	3.0	1,838	1,923	254	4.7
Sag. Bay	561	568	138	1.3	1,209	1,143	197	-5.5	1,770	1,712	241	-3.3
SW LP	440	425	120	-3.6	614	554	137	-9.7	1,054	979	182	-7.2
SC LP	664	567	138	-14.6	1,205	1,063	190	-11.8	1,869	1,630	235	-12.8
SE LP	174	253	92	44.9	317	362	111	14.2	492	615	144	25.1
UP	267	233	89	-12.9	367	384	114	4.5	634	616	144	-2.9
NLP	1,084	1,184	199	9.2	2,252	2,117	268	-6.0	3,336	3,301	333	-1.0
SLP	1,656	1,576	231	-4.8	2,965	2,782	307	-6.2	4,621	4,358	384	-5.7
Statewide	3,007	2,993	320	-0.5	5,584	5,283	425	-5.4	8,590	8,275	531	-3.7

[a]Harvest estimates do not include deer taken with DMA permits. An additional 8,195 deer were taken with these permits.
[b]95% confidence limit for the 2009 estimate.
*P<0.005.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 2008-2009.[a]

Season and Area	Antlerless 2008 Harvest	Antlerless 2009 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2008 to 2009 (%)	Antlered Bucks 2008 Harvest	Antlered Bucks 2009 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2008 to 2009 (%)	Sexes Combined 2008 Harvest	Sexes Combined 2009 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2008 to 2009 (%)
Disabled Hunts												
West UP	27	37	51	38.9	29	53	67	78.6	56	89	84	59.7
East UP	2	10	18	537.8	6	10	18	78.2	7	20	37	177.3
NE LP	3	3	2	-9.5	0	29	47		3	31	47	910.0
NW LP	40	24	19	-41.1	29	24	26	-17.5	69	48	32	-31.0
Sag. Bay	6	58	67	824.9	15	33	37	120.8	21	91	77	328.6
SW LP	58	7	3	-87.8	32	29	47	-10.2	90	36	48	-60.2
SC LP	6	8	3	29.2	71	4	2	-94.6	78	12	4	-84.7
SE LP	0	25	47		2	3	2	84.5	2	28	47	1682.3
UP	28	47	54	66.5	35	63	70	78.5	63	109	92	73.1
NLP	49	81	70	64.3	32	56	54	71.3	82	137	88	67.5
SLP	64	43	48	-33.6	116	65	60	-43.8	181	108	77	-40.3
Statewide	142	171	100	20.4	184	184	107	-0.2	326	354	149	8.8
All Seasons												
West UP	14,102	11,261	1,152	-20.1*	27,806	20,171	1,376	-27.5*	41,951	31,443	1,923	-25.0*
East UP	3,030	1,588	400	-47.6*	6,776	4,024	629	-40.6*	9,818	5,615	784	-42.8*
NE LP	23,847	20,551	1,570	-13.8*	31,434	27,310	1,637	-13.1*	55,301	47,868	2,499	-13.4*
NW LP	27,272	28,991	1,832	6.3	41,900	32,279	1,765	-23.0*	69,216	61,274	2,851	-11.5*
Sag. Bay	38,540	40,079	2,357	4.0	38,164	35,580	1,919	-6.8	76,693	75,655	3,475	-1.4
SW LP	46,739	45,640	2,653	-2.4	37,108	35,027	1,921	-5.6	83,803	80,657	3,782	-3.8
SC LP	61,382	57,442	2,967	-6.4	50,603	46,196	2,234	-8.7	111,933	103,627	4,289	-7.4
SE LP	17,194	15,364	1,446	-10.6	14,743	14,534	1,234	-1.4	31,924	29,897	2,128	-6.3
UP	17,131	12,850	1,220	-25.0*	34,582	24,195	1,512	-30.0*	51,769	37,058	2,077	-28.4*
NLP	61,451	59,272	2,633	-3.5	84,896	68,344	2,580	-19.5*	146,413	127,628	4,108	-12.8*
SLP	153,522	148,794	4,729	-3.1	129,056	122,581	3,609	-5.0	282,456	271,350	6,841	-3.9
Statewide	232,105	220,916	5,570	-4.8	248,533	215,120	4,700	-13.4*	480,638	436,036	8,272	-9.3*

[a]Harvest estimates do not include deer taken with DMA permits. An additional 8,195 deer were taken with these permits.
[b]95% confidence limit for the 2009 estimate.
*P<0.005.

Table 7. Number of deer harvested on public and private lands during all seasons combined in Michigan by management region, 2008-2009.[a]

Season and Area	Antlerless 2008 Harvest	Antlerless 2009 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2008 to 2009 (%)	Antlered Bucks 2008 Harvest	Antlered Bucks 2009 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2008 to 2009 (%)	Sexes Combined 2008 Harvest	Sexes Combined 2009 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2008 to 2009 (%)
Public Lands												
West UP	3,828	2,733	535	-28.6	8,764	6,342	767	-27.6*	12,602	9,079	979	-28.0*
East UP	495	377	191	-23.8	2,118	1,219	343	-42.4*	2,618	1,598	410	-39.0*
NE LP	5,639	3,607	587	-36.0*	9,171	6,287	771	-31.4*	14,808	9,896	1,030	-33.2*
NW LP	1,574	2,054	422	30.5	9,213	5,887	742	-36.1*	10,815	7,945	909	-26.5*
Sag. Bay	3,407	3,655	605	7.3	3,633	3,095	547	-14.8	7,031	6,747	873	-4.0
SW LP	2,968	2,270	498	-23.5	2,572	2,271	463	-11.7	5,529	4,539	727	-17.9
SC LP	3,990	3,314	631	-16.9	3,163	2,478	467	-21.7	7,137	5,788	874	-18.9
SE LP	1,512	1,054	324	-30.3	1,365	1,081	314	-20.9	2,872	2,133	466	-25.7
UP	4,323	3,110	568	-28.1	10,882	7,561	840	-30.5*	15,220	10,676	1,061	-29.9*
NLP	8,702	6,861	792	-21.2*	20,134	13,246	1,114	-34.2*	28,859	20,112	1,456	-30.3*
SLP	10,387	9,093	1,006	-12.5	8,984	7,852	856	-12.6	19,333	16,936	1,428	-12.4
Statewide	23,413	19,065	1,408	-18.6*	40,000	28,659	1,643	-28.4*	63,413	47,724	2,307	-24.7*
Private Lands												
West UP	10,278	8,535	1,001	-17.0	19,027	13,836	1,133	-27.3*	29,332	22,377	1,628	-23.7*
East UP	2,535	1,212	352	-52.2*	4,654	2,806	527	-39.7*	7,196	4,019	666	-44.1*
NE LP	18,214	16,950	1,444	-6.9	22,248	21,027	1,434	-5.5	40,475	37,983	2,245	-6.2
NW LP	25,697	26,935	1,777	4.8	32,678	26,395	1,600	-19.2*	58,397	53,332	2,679	-8.7
Sag. Bay	35,132	36,424	2,262	3.7	34,539	32,482	1,837	-6.0	69,669	68,905	3,335	-1.1
SW LP	43,768	43,364	2,594	-0.9	34,549	32,752	1,859	-5.2	78,287	76,108	3,682	-2.8
SC LP	57,388	54,122	2,891	-5.7	47,457	43,711	2,179	-7.9	104,814	97,826	4,180	-6.7
SE LP	15,681	14,309	1,395	-8.7	13,381	13,452	1,190	0.5	29,055	27,761	2,055	-4.5
UP	12,813	9,747	1,061	-23.9*	23,681	16,642	1,250	-29.7*	36,528	26,397	1,759	-27.7*
NLP	52,753	52,418	2,497	-0.6	64,739	55,105	2,319	-14.9*	117,530	107,530	3,800	-8.5*
SLP	143,125	139,686	4,600	-2.4	120,114	114,714	3,497	-4.5	263,167	254,385	6,644	-3.3
Statewide	208,692	201,851	5,360	-3.3	208,534	186,461	4,390	-10.6*	417,225	388,312	7,879	-6.9*

[a]Harvest estimates do not include deer taken with DMA permits. An additional 8,195 deer were taken with these permits.
[b]95% confidence limit for the 2009 estimate.
*P<0.005.

Table 8. Percentage of deer hunters harvesting deer in Michigan during all seasons, 2009.[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	11.5	1.0	2.1	0.5	0.3	0.2	0.1	0.1	0.0	0.0
East UP	5.6	1.3	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
NE LP	13.6	0.9	2.3	0.4	0.4	0.2	0.1	0.1	0.0	0.1
NW LP	17.2	0.9	3.2	0.4	0.5	0.2	0.1	0.1	0.0	0.0
Sag. Bay	26.4	1.2	6.4	0.7	1.7	0.4	0.7	0.2	0.2	0.1
SW LP	28.4	1.2	9.0	0.8	2.4	0.4	1.0	0.3	0.3	0.1
SC LP	29.9	1.1	9.4	0.7	2.7	0.4	0.8	0.2	0.2	0.1
SE LP	19.5	1.5	4.6	0.8	1.1	0.4	0.3	0.2	0.1	0.1
UP	10.2	0.9	1.7	0.4	0.3	0.2	0.0	0.1	0.0	0.0
NLP	16.7	0.6	3.0	0.3	0.5	0.1	0.1	0.1	0.0	0.0
SLP	28.7	0.7	8.7	0.4	2.5	0.2	0.9	0.1	0.3	0.1
Statewide	23.7	0.4	6.5	0.3	1.8	0.1	0.6	0.1	0.2	0.0
Antlered bucks[c]										
West UP	23.6	1.4	1.4	0.4						
East UP	14.6	2.1	1.2	0.6						
NE LP	20.2	1.1	1.7	0.3						
NW LP	21.4	1.0	2.0	0.3						
Sag. Bay	27.6	1.2	3.9	0.5						
SW LP	27.6	1.3	4.0	0.6						
SC LP	29.5	1.2	5.1	0.6						
SE LP	21.2	1.6	3.1	0.7						
UP	21.7	1.2	1.4	0.3						
NLP	21.5	0.7	2.0	0.2						
SLP	29.2	0.7	4.7	0.3						
Statewide	28.0	0.5	3.9	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.

Table 8 (continued). Percentage of deer hunters harvesting deer in Michigan during all seasons, 2009.[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	32.2	1.5	5.5	0.7	1.1	0.3	0.2	0.1	0.0	0.0
East UP	18.7	2.3	3.3	1.0	0.0	0.0	0.0	0.0	0.1	0.1
NE LP	30.1	1.2	6.4	0.6	1.3	0.3	0.4	0.2	0.1	0.1
NW LP	33.4	1.2	8.4	0.7	2.0	0.3	0.4	0.2	0.2	0.2
Sag. Bay	44.5	1.4	15.3	1.0	4.7	0.6	1.6	0.3	0.2	0.2
SW LP	45.1	1.4	17.6	1.1	6.6	0.7	2.3	0.4	0.2	0.2
SC LP	48.1	1.3	19.3	1.0	6.5	0.6	2.6	0.4	0.2	0.2
SE LP	35.0	1.8	10.7	1.2	2.9	0.6	1.0	0.4	0.4	0.4
UP	29.2	1.3	5.0	0.6	0.9	0.3	0.1	0.1	0.1	0.1
NLP	33.2	0.8	8.3	0.5	1.8	0.2	0.4	0.1	0.1	0.1
SLP	46.9	0.8	18.2	0.6	6.4	0.4	2.4	0.2	0.4	0.4
Statewide	42.8	0.5	14.8	0.4	4.7	0.2	1.7	0.1	0.5	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.

Table 9. Percentage of deer hunters harvesting at least one deer in Michigan by hunting season, 2009.[a]

Sex and Area	Season											
	Archery		Regular Firearm		Muzzleloader		Early Antlerless		Late Antlerless		Youth	
	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	15.2	2.3	6.5	0.8	9.5	2.0	0.0	0.0	0.0	0.0	13.8	5.2
East UP	11.8	3.6	1.7	0.8	3.2	2.1	0.0	0.0	0.0	0.0	6.4	8.1
NE LP	10.8	1.4	8.7	0.8	10.0	1.8	26.9	8.7	22.2	6.1	9.6	3.3
NW LP	12.5	1.3	11.3	0.8	11.3	1.9	46.6	11.6	32.0	6.9	12.4	2.6
Sag. Bay	14.6	1.4	17.7	1.1	16.5	1.9	34.1	6.0	26.2	3.8	11.9	2.7
SW LP	16.1	1.4	17.7	1.2	14.5	1.6	25.9	4.3	24.4	2.7	10.0	2.7
SC LP	14.6	1.3	19.2	1.1	15.4	1.6	35.9	4.4	26.3	2.6	10.3	2.4
SE LP	12.5	1.7	11.1	1.4	9.4	1.9	26.3	6.0	20.0	4.9	10.5	3.7
UP	14.4	2.0	5.4	0.7	8.0	1.6	0.0	0.0	0.0	0.0	12.5	4.5
NLP	12.4	0.9	10.9	0.6	11.3	1.2	34.6	7.1	27.1	4.6	12.4	2.0
SLP	15.2	0.8	18.0	0.6	15.0	0.9	31.4	2.5	25.3	1.6	10.2	1.4
Statewide	15.3	0.6	14.2	0.4	13.6	0.7	31.7	2.4	25.5	1.5	11.2	1.1
Antlered Bucks												
West UP	10.7	2.0	21.8	1.4	5.2	1.5	0.0	0.0	0.0	0.0	21.8	6.2
East UP	11.7	3.6	11.6	2.0	6.7	3.0	0.0	0.0	0.0	0.0	15.9	12.1
NE LP	10.5	1.4	18.1	1.1	4.6	1.3	0.0	0.0	0.0	0.0	19.4	4.4
NW LP	13.7	1.3	17.4	1.0	3.6	1.1	0.0	0.0	0.0	0.0	22.7	3.3
Sag. Bay	20.9	1.7	20.6	1.2	6.0	1.2	0.0	0.0	0.0	0.0	24.0	3.6
SW LP	22.1	1.6	19.0	1.2	6.3	1.1	0.0	0.0	0.0	0.0	13.1	3.0
SC LP	23.5	1.5	21.2	1.1	6.6	1.1	0.0	0.0	0.0	0.0	19.4	3.1
SE LP	17.9	1.9	14.7	1.6	4.9	1.4	0.0	0.0	0.0	0.0	15.1	4.3
UP	11.0	1.8	19.6	1.2	5.6	1.4	0.0	0.0	0.0	0.0	20.8	5.5
NLP	12.9	0.9	17.9	0.7	4.1	0.8	0.0	0.0	0.0	0.0	22.3	2.5
SLP	23.0	0.9	20.5	0.7	6.5	0.6	0.0	0.0	0.0	0.0	18.0	1.8
Statewide	20.0	0.7	20.6	0.5	5.9	0.5	0.0	0.0	0.0	0.0	19.7	1.4

[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, 2009.[a]

Sex and Area	Season											
	Archery		Regular Firearm		Muzzleloader		Early Antlerless		Late Antlerless		Youth	
	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	24.8	2.8	26.9	1.5	14.2	2.4	0.0	0.0	0.0	0.0	35.6	7.2
East UP	22.5	4.6	13.0	2.1	9.9	3.6	0.0	0.0	0.0	0.0	22.3	13.8
NE LP	20.0	1.8	24.6	1.2	14.5	2.2	26.9	8.7	22.2	6.1	28.9	5.1
NW LP	23.9	1.7	26.6	1.2	14.4	2.1	46.6	11.6	32.0	6.9	35.0	3.8
Sag. Bay	32.3	1.9	34.2	1.4	21.6	2.1	34.1	6.0	26.2	3.8	35.9	4.1
SW LP	32.9	1.8	32.9	1.4	19.7	1.8	25.9	4.3	24.4	2.7	23.1	3.8
SC LP	33.8	1.7	36.0	1.3	21.2	1.8	35.9	4.4	26.3	2.6	29.7	3.6
SE LP	28.4	2.3	23.6	1.9	13.7	2.3	26.3	6.0	20.0	4.9	25.6	5.2
UP	24.3	2.4	23.8	1.3	13.2	2.0	0.0	0.0	0.0	0.0	33.3	6.4
NLP	23.3	1.2	26.6	0.8	15.0	1.4	34.6	7.1	27.1	4.6	34.7	2.9
SLP	33.9	1.0	34.3	0.8	20.4	1.0	31.4	2.5	25.3	1.6	28.2	2.1
Statewide	31.6	0.8	31.5	0.5	18.7	0.8	31.7	2.4	25.5	1.5	30.9	1.7

[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, 2009.[a]

Sex and Area	Season			
	Disabled Hunts		All Seasons	
	Success	95% CL[b]	Success	95% CL[b]
Antlerless				
West UP	18.6	22.9	11.5	1.0
East UP	25.6	47.3	5.6	1.3
NE LP	1.7	1.7	13.6	0.9
NW LP	10.6	9.2	17.2	0.9
Sag. Bay	16.7	17.9	26.4	1.2
SW LP	3.8	2.9	28.4	1.2
SC LP	3.2	2.2	29.9	1.1
SE LP	25.9	41.5	19.5	1.5
UP	19.8	20.5	10.2	0.9
NLP	15.8	12.7	16.7	0.6
SLP	5.7	6.3	28.7	0.7
Statewide	10.8	6.1	23.7	0.4
Antlered Bucks				
West UP	26.3	27.6	23.6	1.4
East UP	25.6	47.3	14.6	2.1
NE LP	17.5	26.1	20.2	1.1
NW LP	10.8	11.7	21.4	1.0
Sag. Bay	6.7	6.1	27.6	1.2
SW LP	15.2	23.1	27.6	1.3
SC LP	1.5	1.2	29.5	1.2
SE LP	3.0	3.4	21.2	1.6
UP	26.2	24.4	21.7	1.2
NLP	10.9	10.2	21.5	0.7
SLP	7.3	6.7	29.2	0.7
Statewide	11.1	6.2	28.0	0.5

[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, 2009.[a]

Sex and Area	Season			
	Disabled Hunts		All Seasons	
	Success	95% CL[b]	Success	95% CL[b]
Sexes combined				
West UP	44.9	28.8	32.2	1.5
East UP	25.6	47.3	18.7	2.3
NE LP	19.2	26.1	30.1	1.2
NW LP	21.3	15.4	33.4	1.2
Sag. Bay	23.4	18.5	44.5	1.4
SW LP	19.0	23.2	45.1	1.4
SC LP	4.7	2.9	48.1	1.3
SE LP	28.9	41.2	35.0	1.8
UP	41.8	26.3	29.2	1.3
NLP	26.7	15.3	33.2	0.8
SLP	13.0	9.0	46.9	0.8
Statewide	21.3	8.2	42.8	0.5

[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, 2008-2009.

	Satisfied hunters (%)[a]				Dissatisfied hunters (%)[b]			
Criteria and area	2008	2009	95% CL[c]	Difference from 2008 to 2009 (%)	2008	2009	95% CL[c]	Difference from 2008 to 2009 (%)
Number of deer seen								
West UP	31	17	1	-15*	55	74	2	19*
East UP	31	11	2	-21*	54	80	3	26*
NE LP	29	18	1	-11*	58	71	1	13*
NW LP	37	24	1	-13*	48	62	1	14*
Sag. Bay	41	34	1	-6*	43	51	2	8*
SW LP	46	39	1	-7*	36	45	2	9*
SC LP	51	40	1	-11*	33	44	1	11*
SE LP	43	33	2	-11*	38	51	2	12*
UP	31	15	1	-16*	55	75	1	20*
NLP	33	22	1	-11*	53	66	1	13*
SLP	48	39	1	-9*	35	45	1	10*
Statewide	40	29	1	-11*	45	57	1	13*
Number of antlered deer (bucks) seen								
West UP	22	13	1	-9*	63	76	1	13*
East UP	21	7	2	-13*	64	82	3	18*
NE LP	18	13	1	-5*	65	75	1	10*
NW LP	22	14	1	-7*	62	71	1	9*
Sag. Bay	26	22	1	-5*	56	62	1	7*
SW LP	29	25	1	-4*	51	57	2	6*
SC LP	33	27	1	-7*	47	55	1	8*
SE LP	27	22	2	-5*	53	60	2	7*
UP	22	12	1	-10*	63	77	1	14*
NLP	20	14	1	-6*	64	73	1	9*
SLP	31	25	1	-6*	50	57	1	7*
Statewide	25	19	0	-6*	57	66	1	9*

[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 2009 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, 2008-2009.

	Satisfied hunters (%)[a]				Dissatisfied hunters (%)[b]			
Criteria and area	2008	2009	95% CL[c]	Difference from 2008 to 2009 (%)	2008	2009	95% CL[c]	Difference from 2008 to 2009 (%)
Overall deer hunting experience								
West UP	45	30	2	-16*	35	52	2	17*
East UP	45	24	3	-22*	32	58	3	26*
NE LP	42	31	1	-11*	37	48	1	11*
NW LP	46	35	1	-11*	32	43	1	11*
Sag. Bay	48	42	1	-5*	31	35	1	5*
SW LP	53	47	2	-7*	24	30	1	6*
SC LP	57	49	1	-8*	22	29	1	7*
SE LP	52	44	2	-8*	26	31	2	5*
UP	45	28	1	-17*	34	53	2	19*
NLP	43	33	1	-10*	35	45	1	10*
SLP	54	47	1	-7*	24	30	1	6*
Statewide	49	39	1	-10*	30	39	1	9*
Number of deer harvested								
West UP	32	22	1	-10*	36	46	2	10*
East UP	29	14	2	-15*	36	53	3	17*
NE LP	26	21	1	-5*	38	46	1	8*
NW LP	30	23	1	-7*	34	42	1	7*
Sag. Bay	34	30	1	-4*	33	35	1	2
SW LP	35	31	1	-4*	31	36	1	5*
SC LP	39	34	1	-5*	29	34	1	5*
SE LP	33	28	2	-5*	32	36	2	4
UP	31	20	1	-11*	36	48	2	12*
NLP	28	22	1	-6*	36	44	1	7*
SLP	37	32	1	-4*	31	34	1	4*
Statewide	33	27	1	-6*	34	40	1	6*

[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 2009 estimate.
*P<0.005.

Table 12. Level of support and opposition for the antler point restrictions in the Upper Peninsula among Michigan deer hunters, 2008-2009.

Preferred hunt area	Hunters supporting (%)[a]				Hunters opposing (%)[b]			
	2008	2009	95% CL[c]	Difference from 2008 to 2009 (%)	2008	2009	95% CL[c]	Difference from 2008 to 2009 (%)
West UP	55	54	2	-2	35	36	2	1
East UP	56	50	3	-6	36	39	3	3
NE LP	47	46	1	<1	24	24	1	<1
NW LP	47	47	1	<1	24	23	1	-1
Sag. Bay	47	45	2	-2	24	24	1	<1
SW LP	52	51	2	-1	18	16	1	-2
SC LP	51	49	1	-3	19	19	1	1
SE LP	47	50	2	4	24	21	2	-3
UP	56	53	2	-3	35	37	1	2
NLP	46	46	1	<1	25	24	1	-1
SLP	51	49	1	-2*	20	19	1	-1
Statewide	50	49	1	-1*	24	23	<1	<1

[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 2009 estimate.
*P<0.005.

Table 13. Proportion of deer hunters supporting and opposing various options for the opening date of the regular firearm deer hunting season.

		Support[a]		Oppose[b]		Not sure	
Option	Year[c]	%	95% CL	%	95% CL	%	95% CL
Maintain November 15 opening	2006	84%	1%	12%	1%	4%	1%
	2009	84%	<1%	10%	<1%	6%	<1%
Open Saturday near November 15	2006	39%	2%	54%	2%	7%	1%
	2009	42%	1%	49%	1%	10%	<1%
Open Saturday before Thanksgiving	2009	20%	<1%	69%	1%	11%	<1%

[a]Included "strongly supported" and "supported" responses.
[b]Included "strongly opposed" and "opposed" responses.
[c]2006 estimates from Frawley and Rudolph (2008); 2009 estimates from current survey.

Table 14. Estimated number of archers that used a crossbow, hunter success, and deer harvested with a crossbow during 2009 archery season in Michigan, summarized by region.

	Hunters using a crossbow during archery season				Hunter success of archers using a crossbow[a]		Deer harvested by archers with a crossbow	
Region	%	95% CL	Total	95% CL	%	95% CL	Total	95% CL
UP	20.9	2.5	4,738	643	25.8	6.0	1,311	361
NLP	19.8	1.2	17,944	1,249	29.9	3.2	6,018	822
SLP	18.3	0.9	29,317	1,570	43.0	2.7	15,692	1,421
Unknown[b]	15.5	1.9	4,916	658	31.0	6.2	1,860	474
Statewide	18.6	0.7	56,915	2,154	36.4	1.9	24,882	1,734

[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.

Appendix A. Antlerless deer hunting license quotas, number of antlerless licenses sold, and number of hunters purchasing an antlerless license in Michigan during 2009, 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	4,000	3,488	2,924	7,000	3,442	2,791
003	Allegan County	3,000	2,502	2,107	12,000	8,154	6,555
004	Alpena County	2,000	950	807	5,000	1,911	1,639
005	Antrim County	0	0	0	5,000	4,329	3,440
006	Arenac County	700	567	565	7,600	5,540	4,274
007	Big Bay Unit	0	0	0	0	0	0
008	Barry County	1,800	1,552	1,398	17,000	8,574	6,567
009	Bay County	100	80	80	3,000	3,400	2,608
010	Benzie County	0	0	0	300	308	308
011	Berrien County	200	156	143	8,000	3,621	2,890
012	Branch County	100	78	68	12,000	6,233	4,532
013	Calhoun County	100	74	72	16,000	9,244	6,775
014	Cass County	500	419	361	8,000	5,646	4,088
015	Charlevoix County	0	0	0	3,400	2,931	2,258
016	Cheboygan County	0	0	0	0	0	0
017	Sault Ste. Marie Unit	0	0	0	1,000	932	923
018	Clare County	900	761	760	8,700	7,588	5,920
019	Clinton County	1,200	985	827	14,000	6,155	4,861
020	Crawford County	1,200	1,122	1,119	1,500	1,316	1,117
021	Manistique Unit	0	0	0	0	0	0
022	Iron Mountain Unit	1,500	1,264	1,261	5,000	4,261	3,444
023	Eaton County	100	80	72	13,000	6,737	5,250
024	Emmet County	0	0	0	0	0	0
025	Genesee County	0	0	0	8,500	5,329	4,477
026	Gladwin County	1,500	1,295	1,291	8,300	7,185	5,440
027	Watersmeet Unit	0	0	0	0	0	0
028	Grand Traverse County	0	0	0	600	591	590
029	Gratiot County	1,600	1,349	1,112	11,000	5,124	3,790
030	Hillsdale County	400	316	288	16,000	7,887	6,030
031	Nisula Unit	0	0	0	500	478	469
032	Huron County	1,000	819	813	12,000	7,891	5,788
033	Ingham County	600	476	412	11,000	5,959	4,632
034	Ionia County	1,200	1,001	821	15,000	8,636	6,520

[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]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 2009, 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]
035	Iosco County	1,000	874	873	7,500	5,732	4,090
036	Amasa/Michigamme Unit	0	0	0	0	0	0
037	Isabella County	100	72	69	11,000	8,457	6,247
038	Jackson County	1,600	1,313	1,194	20,000	9,980	7,677
039	Kalamazoo County	900	748	668	9,000	4,629	3,653
040	Kalkaska County	0	0	0	100	128	127
041	Kent County	1,100	912	788	18,100	12,129	9,214
042	Keweenaw Unit	0	0	0	0	0	0
043	Lake County	0	0	0	3,000	2,699	2,675
044	Lapeer County	2,000	1,601	1,443	15,000	10,039	7,949
045	Leelanau County	0	0	0	300	313	311
046	Lenawee County	400	324	293	10,000	5,403	4,417
047	Livingston County	1,400	1,135	1,053	15,000	7,118	5,711
048	Newberry Unit	0	0	0	0	0	0
050	Macomb County	200	143	136	3,200	2,825	2,310
051	Manistee County	0	0	0	3,400	3,116	2,983
053	Mason County	0	0	0	5,000	4,632	3,892
054	Mecosta County	200	159	159	13,800	9,396	7,150
055	Menominee Unit	3,000	2,588	2,000	10,000	5,997	4,757
056	Midland County	1,500	1,300	1,221	7,500	6,415	4,908
057	Missaukee County	0	0	0	3,200	2,964	2,630
058	Monroe County	200	147	147	1,800	1,604	1,223
059	Montcalm County	1,500	1,253	1,113	19,000	12,136	8,907
060	Montmorency County	3,700	3,108	2,612	7,800	3,137	2,706
061	Muskegon County	800	711	710	7,000	5,612	4,249
063	Oakland County	2,500	2,004	1,770	7,000	4,791	3,906
064	Oceana County	500	494	492	4,500	4,168	3,352
065	Ogemaw County	1,000	880	879	6,000	5,194	4,075
066	Ontonagon County	0	0	0	0	0	0
067	Osceola County	0	0	0	5,000	4,616	3,959
068	Oscoda County	3,000	2,591	2,479	4,500	3,303	2,740
069	Otsego County	0	0	0	0	0	0

[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]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 2009, 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]
070	Ottawa County	400	329	304	9,000	4,968	4,093
071	Presque Isle County	3,000	2,542	2,078	6,500	4,585	3,560
072	Roscommon County	0	0	0	0	0	0
073	Saginaw County	200	165	162	7,000	5,903	4,351
074	St. Clair County	700	503	487	9,000	7,951	6,367
075	St. Joseph County	300	231	198	8,000	5,028	3,734
076	Sanilac County	1,500	1,198	961	16,000	11,287	8,607
078	Shiawassee County	200	156	142	14,000	6,316	4,950
079	Tuscola County	2,700	2,227	1,907	14,000	7,796	6,259
080	Van Buren County	200	162	150	10,000	5,438	4,333
081	Washtenaw County	1,500	1,230	1,099	14,000	6,927	5,359
082	Wayne County	100	71	64	1,200	949	838
083	Wexford County	0	0	0	3,400	3,012	2,530
115	Beaver Island	200	152	136	300	196	163
117	Drummond Island	200	178	177	100	93	93
121	Bay De Noc	500	426	425	1,000	845	684
122	Norway Unit	200	168	145	2,500	757	631
127	Ironwood Unit	0	0	0	300	274	272
131	Twin Lakes Unit	0	0	0	0	0	0
135	Tawas Unit	200	161	135	600	394	316
145	North Manitou Island	0	0	0	0	0	0
149	Round/Bois Blanc Island	0	0	0	0	0	0
152	Gwinn Unit	0	0	0	0	0	0
155	Gladstone Unit	800	695	562	3,600	1,734	1,428
162	South Newaygo County	500	432	432	5,500	6,367	4,065
173	Shiawassee Flats	1,400	0	0	400	355	246
174	St. Clair Flats	400	0	0	300	126	98
245	South Fox Island	0	0	0	0	0	0
249	Trout Lake Unit	0	0	0	0	0	0
252	Rock Unit	0	0	0	1,000	810	637
255	LaBranche Unit	800	698	594	1,300	1,111	896
262	North Newaygo County	0	0	0	3,000	2,790	2,757
273	Shiawassee Unit	0	0	0	0	0	0
349	Engadine Unit	0	0	0	700	636	630
452	Core Area	2,000	1,694	1,453	9,000	4,986	4,070
486	Southern Multi-County	0	0	0	60,000	60,367	44,142
487	Northern Multi-County	0	0	0	10,000	4,466	3,634
NA	Deer Management Assistance Permits	NA	NA	NA	NA	10,679	876
NA	Managed Deer Hunt Permits[d]	NA	245	187	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]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 2009, 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	8,333	854	79,086	11,582	1,573	480	1,964	425	3,537	719
003	14,206	1,100	191,773	21,403	3,990	724	3,240	578	7,230	1,071
004	5,714	712	65,456	11,307	1,179	385	1,638	397	2,817	625
005	7,319	796	75,414	12,226	1,323	358	1,835	438	3,158	647
006	7,674	812	89,081	13,512	2,555	553	1,965	439	4,520	804
007	7,869	831	81,812	11,275	132	106	1,265	336	1,397	358
008	14,533	1,117	178,120	19,467	5,179	898	3,873	598	9,052	1,226
009	4,437	622	63,564	11,911	1,086	375	1,248	352	2,334	543
010	5,687	703	51,895	9,595	508	212	1,045	311	1,553	389
011	5,697	710	87,579	15,389	1,629	479	1,719	443	3,348	755
012	7,359	800	106,355	15,809	4,243	807	2,877	540	7,120	1,155
013	12,218	1,026	185,568	22,112	6,217	1,007	4,670	710	10,887	1,437
014	6,927	777	113,788	17,166	3,450	706	2,543	505	5,993	1,021
015	5,246	675	56,594	10,032	1,122	348	1,492	390	2,614	597
016	7,250	796	79,102	12,600	257	150	1,332	360	1,589	407
017	5,311	681	56,354	10,039	499	224	1,044	319	1,543	424
018	16,836	1,199	183,662	18,568	3,696	641	3,774	604	7,470	997
019	11,150	971	158,305	19,944	4,591	809	4,015	684	8,606	1,231
020	9,587	908	81,805	11,070	897	276	1,015	303	1,912	421
021	7,673	817	82,150	11,334	278	152	889	279	1,167	331
022	12,682	1,044	131,535	14,711	2,750	550	3,489	569	6,239	876
023	9,778	915	148,753	19,506	3,867	771	3,270	570	7,137	1,084
024	4,705	640	51,031	9,984	114	96	1,258	346	1,372	372
025	10,632	956	168,252	21,760	2,050	515	2,638	527	4,688	813
026	14,090	1,095	160,209	17,881	3,629	632	3,166	548	6,795	930
027	3,228	533	33,155	7,208	105	115	664	243	769	269
028	7,670	813	86,508	13,424	772	296	1,242	321	2,014	472
029	9,883	921	132,412	17,898	4,251	791	3,868	635	8,119	1,214
030	11,422	995	157,512	18,863	4,617	815	3,929	663	8,546	1,213
031	4,678	640	48,746	9,153	290	191	893	292	1,183	362
032	12,583	1,033	138,702	15,913	5,536	946	4,470	686	10,006	1,338
033	10,066	933	153,838	19,685	3,676	676	3,282	592	6,958	1,052
034	13,052	1,053	165,456	20,053	5,776	927	4,760	693	10,536	1,359

[a]Harvest estimates do not include deer taken with DMA permits. An additional 8,195deer 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.

Appendix B (continued). Estimated number of deer hunters, hunting effort, and deer harvested in Michigan during 2009, 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
035	11,339	992	122,897	15,293	2,801	679	2,335	474	5,136	922
036	3,884	582	37,985	7,316	169	135	1,075	338	1,244	376
037	11,648	999	149,226	18,555	4,754	809	4,969	702	9,723	1,246
038	17,150	1,209	249,287	25,392	6,619	1,003	4,215	659	10,834	1,370
039	8,973	886	142,176	19,744	3,897	807	2,764	561	6,661	1,108
040	8,498	862	78,065	11,181	521	222	992	304	1,513	394
041	17,060	1,198	237,613	23,956	5,018	838	4,364	658	9,382	1,210
042	3,105	524	38,061	8,712	123	98	769	276	892	300
043	16,651	1,192	147,059	15,522	2,139	448	2,138	437	4,277	682
044	16,044	1,163	223,660	23,279	5,244	873	4,221	659	9,465	1,239
045	3,746	569	44,043	9,174	407	192	703	278	1,110	363
046	7,918	830	122,434	17,348	2,453	590	1,963	465	4,416	850
047	13,536	1,074	195,779	21,395	4,798	813	3,497	599	8,295	1,157
048	5,203	676	48,563	8,282	152	134	750	272	902	317
050	5,242	672	67,813	12,901	1,303	397	1,003	301	2,306	551
051	11,380	989	112,774	14,035	1,529	371	2,267	455	3,796	622
053	11,417	978	128,976	15,387	2,738	560	2,814	512	5,552	875
054	15,015	1,128	150,696	16,865	4,991	822	4,835	697	9,826	1,231
055	13,023	1,055	143,723	16,290	3,457	681	4,566	637	8,023	1,034
056	11,664	1,005	154,606	18,547	3,409	682	2,974	533	6,383	1,006
057	10,884	967	111,717	14,054	1,796	411	2,076	459	3,872	662
058	4,845	647	61,731	11,079	535	291	714	253	1,249	419
059	18,019	1,233	246,031	24,284	8,578	1,213	7,080	872	15,658	1,731
060	9,878	923	90,316	12,430	1,473	405	1,600	397	3,073	619
061	10,295	934	156,588	19,689	3,113	692	2,135	448	5,248	943
063	13,003	1,060	177,007	21,490	3,205	629	2,970	555	6,175	928
064	11,234	979	136,933	18,407	2,412	516	2,681	516	5,093	826
065	15,325	1,144	162,819	16,896	3,045	559	3,691	612	6,736	908
066	4,506	630	44,824	7,857	95	84	688	260	783	281
067	13,322	1,063	134,064	15,504	3,087	578	4,158	630	7,245	954
068	10,899	971	95,651	13,110	1,417	381	1,739	397	3,156	600
069	6,442	749	49,458	7,922	63	69	1,045	306	1,108	321

[a]Harvest estimates do not include deer taken with DMA permits. An additional 8,195deer 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.

Appendix B (continued). Estimated number of deer hunters, hunting effort, and deer harvested in Michigan during 2009, 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
070	10,686	953	149,739	18,608	2,875	643	2,423	491	5,298	936
071	9,789	925	99,741	12,942	2,547	564	2,296	469	4,843	826
072	12,822	1,054	129,810	16,418	372	178	1,868	415	2,240	472
073	9,318	893	153,213	20,344	3,491	706	2,951	555	6,442	1,033
074	12,082	1,011	179,684	21,301	2,938	623	2,772	545	5,710	946
075	6,661	765	102,619	15,709	3,298	724	2,403	526	5,701	1,032
076	16,464	1,177	184,429	19,204	6,751	1,018	5,742	784	12,493	1,475
078	11,416	992	165,535	20,044	4,704	854	3,753	638	8,457	1,215
079	14,864	1,123	207,962	22,398	5,405	840	4,304	678	9,709	1,246
080	8,436	856	133,294	18,976	3,494	735	2,575	534	6,069	1,055
081	12,427	1,032	164,777	19,320	4,486	856	3,309	588	7,795	1,181
082	1,462	361	15,677	6,126	258	176	327	194	585	271
083	12,132	1,021	108,160	13,304	1,393	374	1,946	422	3,339	598
115	413	188	2,592	1,298	34	47	80	82	114	95
117	1,155	314	9,250	3,400	92	84	277	186	369	206
121	2,809	493	29,785	7,224	589	260	603	231	1,192	372
122	3,189	526	34,995	7,875	363	184	1,101	313	1,464	381
127	3,163	525	41,609	9,328	288	166	439	202	727	261
131	2,479	466	27,057	6,804	0	0	284	154	284	154
135	763	257	9,455	3,936	181	124	228	141	409	211
145	1	0	7	0	0	0	1	0	1	0
149	385	182	3,004	2,606	25	47	92	84	117	96
152	4,695	640	50,979	9,132	235	142	939	280	1,174	314
155	5,241	678	69,807	12,516	964	323	1,394	366	2,358	515
162	10,176	932	116,287	14,856	3,091	610	2,427	475	5,518	894
173	2,324	450	27,531	7,215	326	163	580	257	906	326
174	236	140	2,091	1,547	35	51	77	106	112	117
245	50	68	305	410	0	0	25	47	25	47
249	6,698	767	67,296	10,958	163	117	847	285	1,010	315
252	2,646	481	31,209	7,033	273	178	371	173	644	267
255	3,469	548	39,745	8,875	953	328	701	248	1,654	432
262	5,799	704	60,034	9,658	1,314	346	1,179	318	2,493	540
273	25	48	51	95	0	0	0	0	0	0
349	1,742	388	15,921	4,532	339	203	296	172	635	274
452	10,067	931	92,748	12,142	2,457	524	2,344	474	4,801	769

[a]Harvest estimates do not include deer taken with DMA permits. An additional 8,195deer 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.