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Michigan Department of Natural Resources

MICHIGAN DEER HARVEST SURVEY REPORT 2001 SEASONS

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ABSTRACT

A survey of deer hunters was conducted following the 2001 hunting seasons to estimate hunter participation, harvest, and hunting effort. In 2001, an estimated 753,059 hunters spent 10,562,134 days afield. Statewide, the number of people hunting deer declined by nearly 1%, but hunting effort was unchanged between 2000 and 2001. Hunters harvested 463,706 deer, a decrease of 14% from the number taken in 2000. Harvest of antlerless deer declined by 11%, and harvest of antlered bucks decreased by 18%. Statewide, 41% of hunters harvested a deer. About 22% of the hunters took an antlerless deer and 27% took an antlered buck. About 14% of deer hunters harvested two or more deer.

INTRODUCTION

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

During 2001, white-tailed deer (*Odocoileus virginianus*) could be harvested during (1) youth, (2) archery, (3) early antlerless, (4) early antlerless in Deer Management Unit (DMU) 055, (5) regular firearm, (6) muzzleloader, and (7) late antlerless hunting seasons. In order to harvest a deer, hunters had to possess a hunting license (firearm, archery, combination, or antlerless license) (Table 1).

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

An antlerless license could be purchased in addition to archery, firearm, or combination licenses. Antlerless deer licenses allowed hunters to take deer without antlers or with antlers shorter than 3 inches. 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 portions of the Upper Peninsula (UP). The number of licenses available in most DMUs open to antlerless deer hunting was restricted by quota, except in 12 counties in the Lower Peninsula (LP) (Alcona, Alpena, Antrim, Crawford, Emmet, Iosco, Mecosta, Montmorency, Osceola, Oscoda, Otsego, and Presque Isle counties) where an unlimited number of licenses were available. Hunters could purchase a maximum of three antlerless licenses. However, in the 12 counties without an antlerless license quota and in most of the Upper Peninsula DMUs there was no purchase limit for individual hunters.

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

The youth season was held during September 22-23 on public and private lands statewide. In 2001, the age requirement for the youth season was expanded to include youths 12 and 13 years of age. Youths 12-16 years of age could take one deer using either a firearm license, combination license, antlerless license, or DMA permit. Youths participating during this season had to be accompanied by an adult at least 18 years old. Youth hunters that used archery equipment could harvest either an antlered or antlerless deer; all youths 12 and 13 years of age were restricted to archery-only hunting. Youth hunters that hunted with a firearm were restricted to taking an antlered deer.

The archery season occurred statewide on public and private lands. This season was divided into an early and late season (i.e., October 1 to November 14 and December 1, 2001, to January 1, 2002). Archery licenses, antlerless licenses, combination licenses, and DMA permits could be used to take deer during the archery seasons using archery equipment.

The statewide regular firearm season occurred November 15-30. The muzzleloader season was held December 7-16 in the UP and December 14-23 in the LP. Hunters were allowed to take deer on both public and private lands with firearm and combination deer hunting licenses during the regular firearm and muzzleloader seasons. Antlerless licenses (including DMA permits) also could be used during the firearm seasons.

The late antlerless season, in the LP, occurred from December 17, 2001, through January 1, 2002. Hunters pursuing deer during this season had to possess an unused antlerless license (including DMA permits) and were limited to hunting on private land.

In 12 counties in the LP (Alcona, Alpena, Antrim, Crawford, Emmet, Iosco, Mecosta, Montmorency, Osceola, Oscoda, Otsego, and Presque Isle counties), an early firearm season for antlerless deer was held October 13-22. There also was an early antlerless firearm deer season in DMU 055 in the UP during September 24-30. Hunters participating during these early antlerless seasons had to possess an antlerless license, and hunting was restricted to private lands only.

METHODS

Following the 2001 deer hunting seasons, a questionnaire was sent to 53,027 randomly selected individuals that had purchased a hunting license (firearm, archery, antlerless, or combination deer hunting licenses). Hunters receiving the questionnaire were asked to report which seasons they pursued deer, number of days spent afield, and number of deer harvested. Hunters were instructed not to report hunting effort and harvest associated with DMA permits because landowners obtaining these permits were required to report the number of deer harvested.

Estimates were calculated using a stratified random sampling design (Cochran 1977) and were presented along with their 95% confidence limit (CL). This confidence limit can be added and subtracted from the estimate to calculate the 95% confidence interval. The confidence interval is a measure of the precision associated with the estimate and implies that the true value would be within this interval 95 times out of 100. Estimates were not adjusted for possible response or nonresponse bias.

License buyers were assigned to one of four groups (strata). The first stratum consisted of people eligible only for the archery, regular firearm, and muzzleloader hunting seasons (N = 559,366). The second stratum consisted of people eligible to hunt during archery, regular firearm, muzzleloader, early antlerless, and late antlerless seasons (N = 214,281). Hunters in the third stratum were eligible to hunt during archery, regular firearm, muzzleloader, early antlerless, and late antlerless seasons, as well as the special early antlerless season in DMU 055 (N = 3,185). The fourth stratum consisted of people eligible to hunt during archery, regular firearm, muzzleloader, early antlerless, late antlerless, and youth seasons (N=24,604). The random sample consisted of 31,814 people from the first stratum and 12,091 people from the second stratum. An additional 3,134 people were included from the third stratum, and 5,988 people were from the fourth stratum. The stratified sampling

design accounted for the varying probabilities of being selected from the four strata so estimates could be reliably extrapolated from the sample to all license buyers.

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

Questionnaires were initially mailed during mid-January 2001, and a reminder note and two follow-up questionnaires were mailed to nonrespondents. To increase the number of questionnaires returned, everybody that returned their questionnaire promptly was eligible to win a prize. Although 53,027 people were sent the questionnaire, 1,275 surveys were undeliverable resulting in an adjusted sample size of 51,752. Questionnaires were returned by 38,457 of 51,752 people receiving the questionnaire (74% response rate).

RESULTS

In 2001, 801,436 people purchased a license to hunt deer in Michigan. The number of people buying a license in 2001 declined about 1% from 2000 (811,400 people purchased a license in 2000). Most of the people buying a license were men (91.6%), although 8.4% of the licensees were women. The average age of the license buyers was 41 years (Figure 3).

The number of 2001 deer harvest tags sold for all license types combined decreased 4.4% since 2000 (Table 2). License buyers purchased an average of 2.2 harvest tags. About 87% of the license buyers purchased three or fewer harvest tags and 99% purchased five or fewer harvest tags (Figure 4). Hunters most frequently purchased antlerless and combination harvest tags (Figure 5). About 48% of the license buyers purchased at least one antlerless license (380,803 people), and 99% of license buyers purchased three or fewer antlerless licenses (Figure 6).

About 94.0 ± 0.2% (753,059 ± 1,999 hunters) of the people buying a license in 2001 actually spent time hunting deer (Table 3). Most hunters (688,374 ± 2,887) pursued deer during the regular firearm season (Figure 7). Statewide, the number of people hunting deer during all seasons combined declined by nearly 1%. Hunter numbers declined by about 5% in the UP and about 4% in the southern LP. Hunter numbers were unchanged in the northern LP between 2000 and 2001.

Fewer people participated in late antlerless (-18%), archery (-4%), and regular firearm (-1%) seasons between 2000 and 2001 (Figure 8, Table 3). The decline during the late antlerless season occurred because fewer counties were open to hunting in 2001 (i.e., 17 counties open in 2000 were closed to hunting in 2001). Greater numbers of people hunted during the early antlerless (+44%), muzzleloader (+21%), and youth (+17%) seasons. The increase

during the early antlerless season occurred because more counties were open to hunting in 2001 (i.e., 12 versus 5 counties). Milder weather was probably responsible for increased hunter numbers in the muzzleloader season (Chadwick 2001). Youth participation increased because age restrictions were changed so younger hunters were allowed to participate (i.e., minimum age lowered from 14 to 12 years of age). In addition, youth participation probably increased partly because youth could hunt on both public and private lands in 2001; whereas, they were limited to private lands in 2000.

About 45% of the days that hunters spent pursuing deer throughout the state occurred in the regular firearm season (Figure 9). Likewise, about 44% of the hunting effort occurred during the archery season. Nearly 11% of the hunting effort occurred in the muzzleloader, early antlerless, and late antlerless seasons. Statewide, hunters devoted an average of 14.3 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 ($\bar{x}$ = 14.7 days/hunter) (Figure 10, Table 4).

For all seasons and areas combined, hunting effort was virtually unchanged between 2000 and 2001 (Table 3). Hunting effort increased during the muzzleloader, early antlerless, and youth seasons, but declined during archery and late antlerless seasons. Hunting effort during the regular firearm season was unchanged from 2000.

An estimated 463,706 deer were harvested in 2001, a decrease of nearly 14% from the number taken in 2000 (Figure 11, Tables 5-6). Although fewer deer were taken in 2000 than during previous years, the number of deer harvested was still near record high levels.

Between 2000 and 2001, deer harvest declined in all hunting seasons except the early antlerless season. Deer harvest declined during youth (-5%), archery (-7%), muzzleloader (-10%), late antlerless (-19%), and regular firearm (-18%) seasons (Figure 12, Tables 5-6). Harvest during the early antlerless season more than doubled since 2000. Harvest increased during the early antlerless season largely because more area was open to hunting. Statewide, the antlered buck harvest decreased 18% from last year, while the antlerless harvest declined 11% (Table 5).

About 62% of the animals harvested (sexes combined) in 2001 were taken during the regular firearm season (Figure 13). Most of the antlerless deer (56%) and antlered bucks (68%) were harvested in the regular firearm season. Hunters took 26% of the harvested deer (sexes combined) during archery season. During the archery season, hunters took 24% of the antlerless deer and 28% of the antlered bucks harvested. Few antlered bucks (3%) were taken in the muzzleloader season. The muzzleloader and antlerless seasons accounted for 19% of the antlerless deer harvested.

About 82% of the animals harvested (sexes combined) in 2001 were taken on private lands (Table 7). Statewide, most of the antlerless deer (84%) and antlered bucks (80%) were harvested on private lands. Overall, harvest declined 15% between 2000 and 2001 on private lands and decreased 13% on public lands.

Statewide, 41% of the deer hunters harvested at least one deer (all deer seasons and sexes combined) in 2001 (Figure 14, Table 8). About 22% of the hunters took an antlerless deer and 27% took an antlered buck. About 14% of deer hunters harvested two or more deer.

Hunters were most successful in taking a deer during the early antlerless deer hunting seasons (Figure 15, Table 9); at least 42% of the hunters in the early antlerless seasons took a deer. About 33% of the hunters harvested a deer (sexes combined) during the regular firearm season. Hunter success was only slightly lower during the archery (30% successful) and youth (28% successful) seasons. Nearly 22% of the hunters took an antlered buck and 15% harvested an antlerless deer during the regular firearm season. Hunter success was lowest in the muzzleloader season (13% successful).

ACKNOWLEDGEMENTS

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Figure 1. Areas used to summarize deer harvest in Michigan for the 2001 hunting seasons.

Figure 2. Deer Management Units in Michigan for the 2001 hunting seasons.

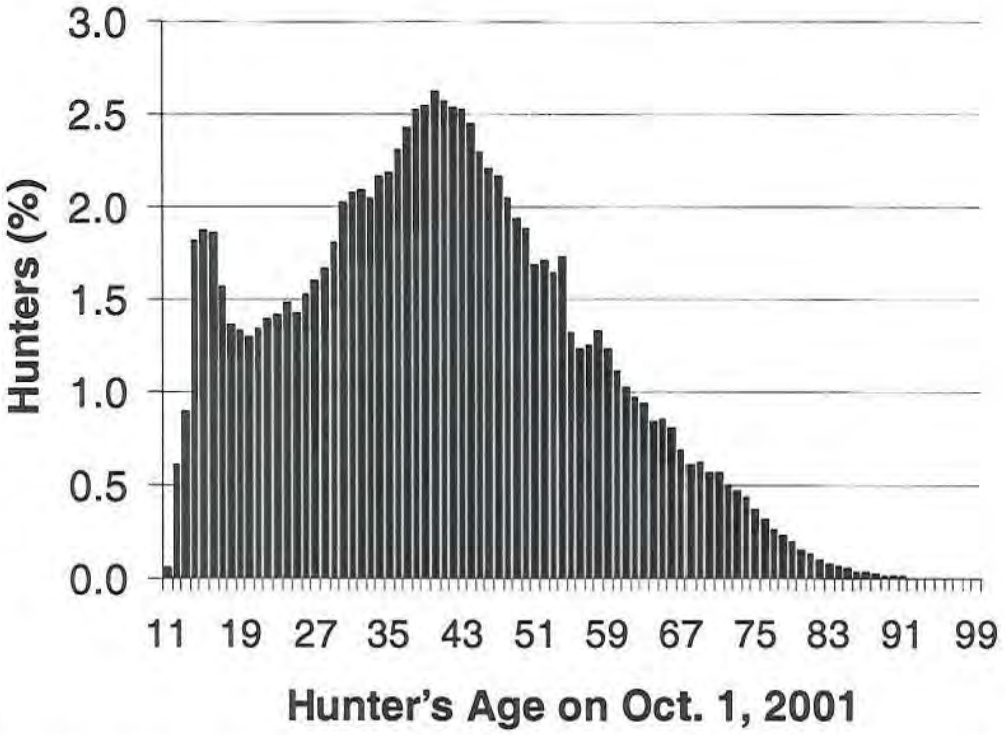

Figure 3. Age of people that purchased a deer hunting license in Michigan for the 2001 hunting seasons ($\bar{x}$ = 41 years).

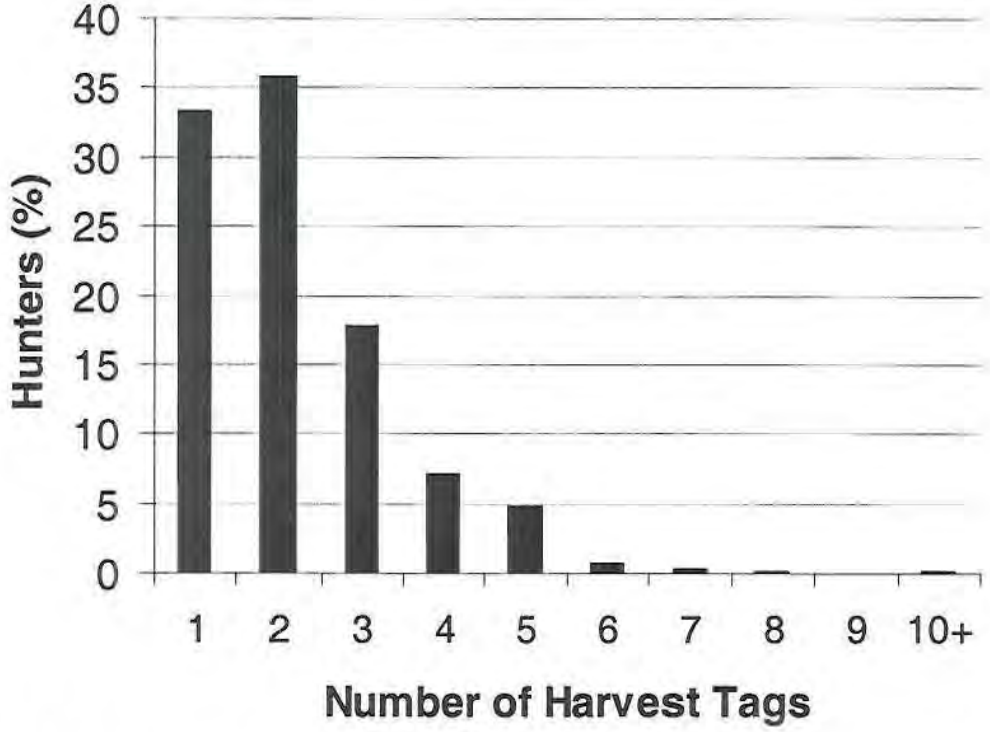

Figure 4. Number of harvest tags (all license and tag types) purchased per person for hunting deer in Michigan during the 2001 hunting seasons ($\bar{x}$ = 2.2 tags). Licenses were purchased by 801,436 people.

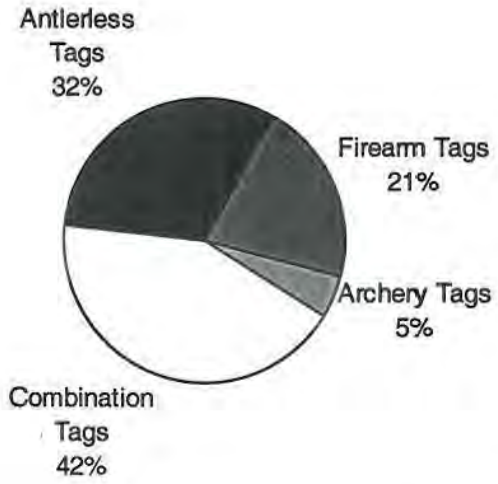

Figure 5. Types of harvest tags purchased for deer hunting in Michigan during the 2001 hunting seasons.

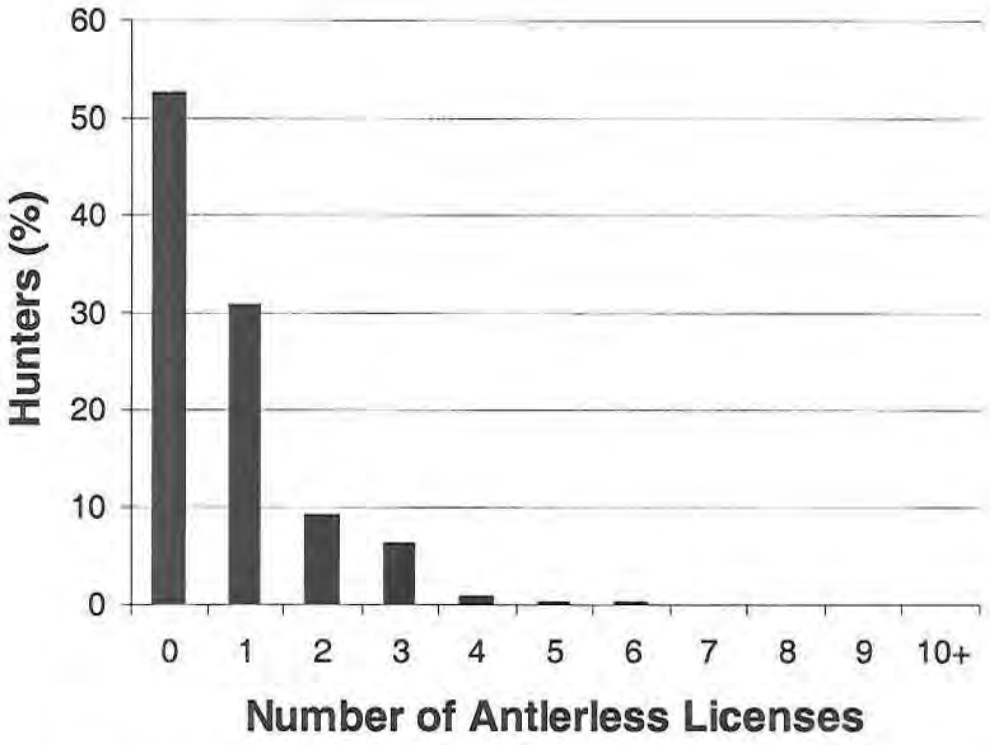

Figure 6. Percentage of deer hunting license buyers (all license types) purchasing an antlerless license in Michigan, 2001. Antlerless licenses were purchased by 380,803 of 801,436 people (48%) buying deer hunting licenses.

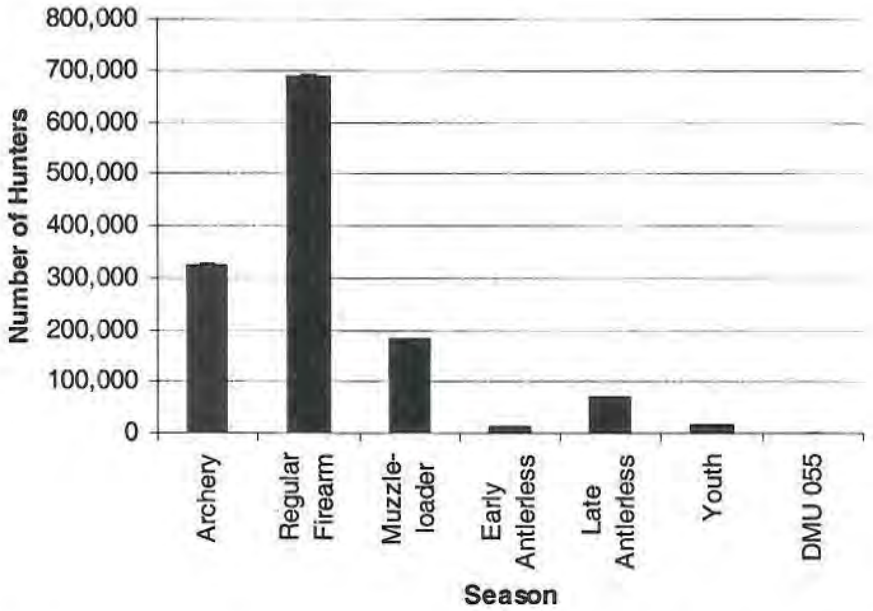

Figure 7. Number of people hunting deer in Michigan during the 2001 hunting seasons. Error bars represent the 95% confidence limits.

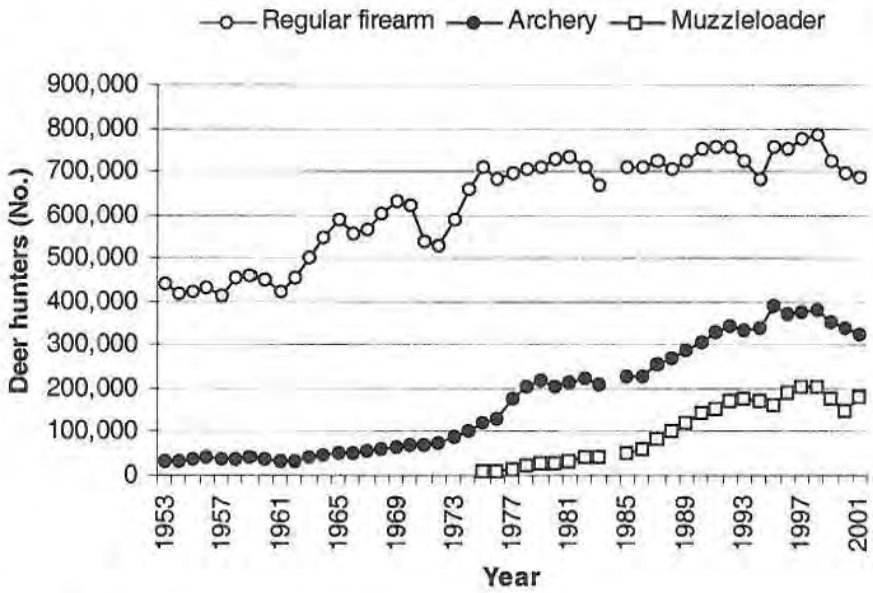

Figure 8. Number of people hunting deer in Michigan during the regular firearm, archery, and muzzleloader seasons, 1953-2001.

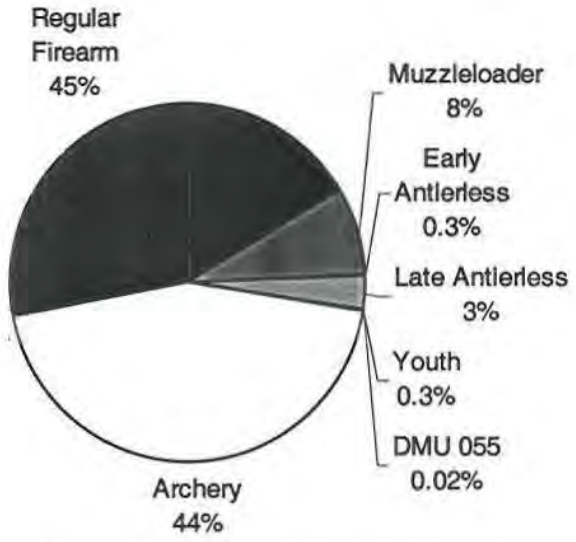

Figure 9. Distribution of hunting effort among deer hunting seasons in Michigan, 2001.

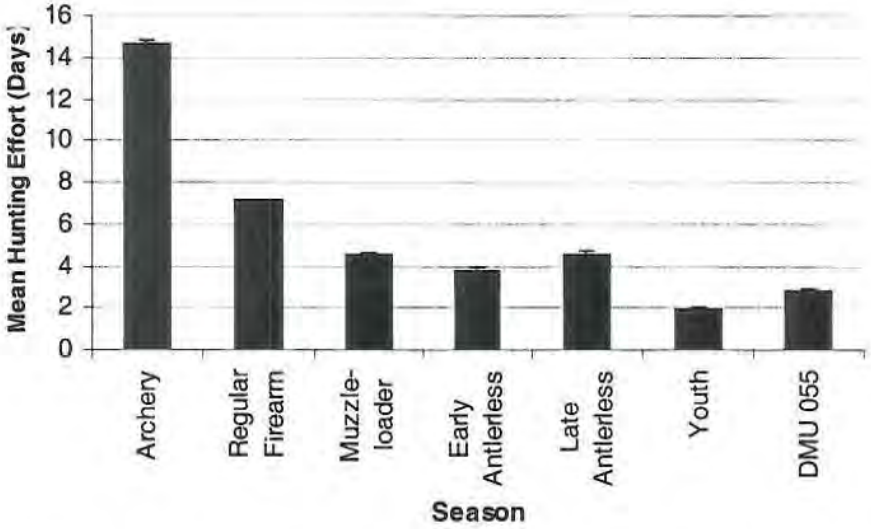

Figure 10. Mean number of days spent hunting deer in Michigan during the 2001 hunting seasons. Error bars represent the 95% confidence limits.

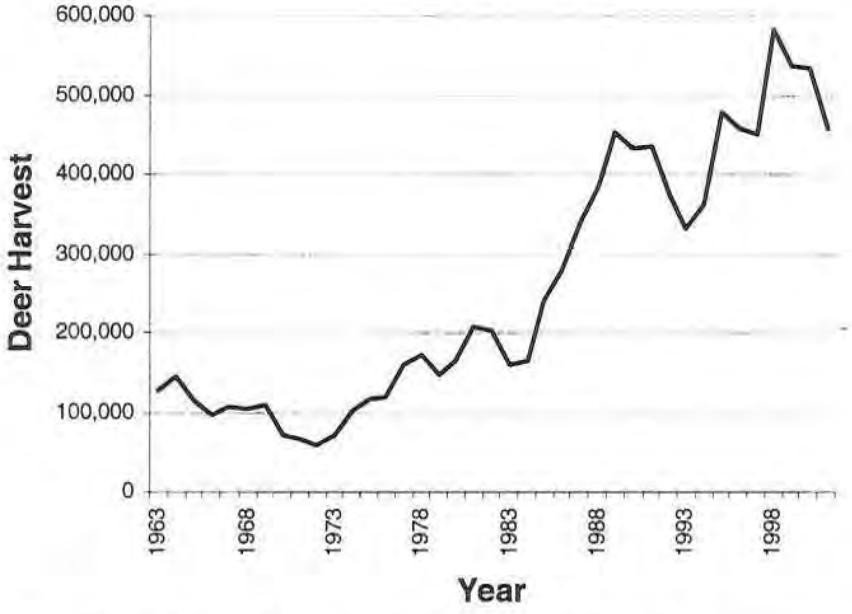

Figure 11. Number of deer harvested in Michigan's hunting seasons, 1963-2001. Harvest from all seasons and for all deer sexes was combined.

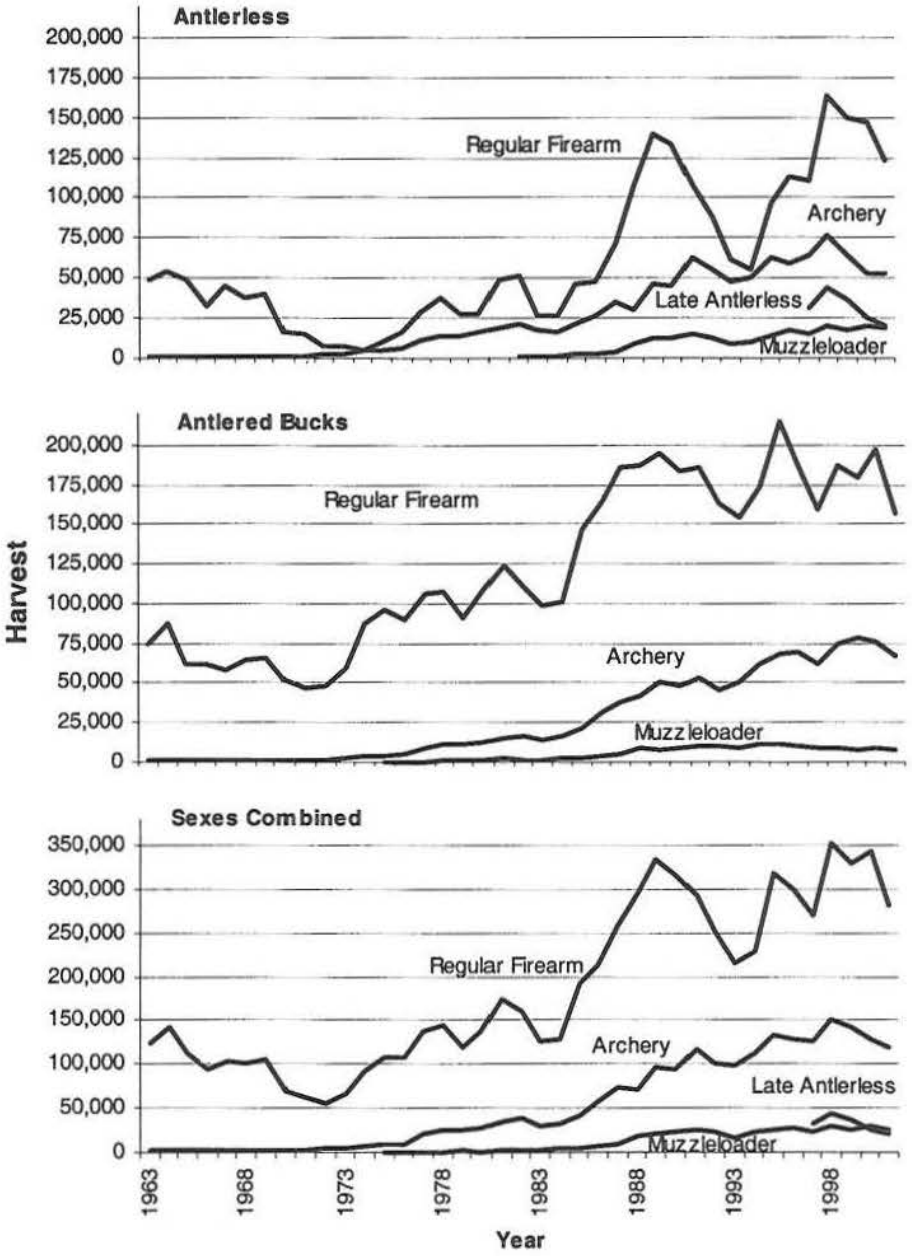

Figure 12. Number of deer harvested in Michigan's hunting seasons, 1963-2001. Harvests for early antlerless, early antlerless in DMU 055, and youth seasons were not shown.

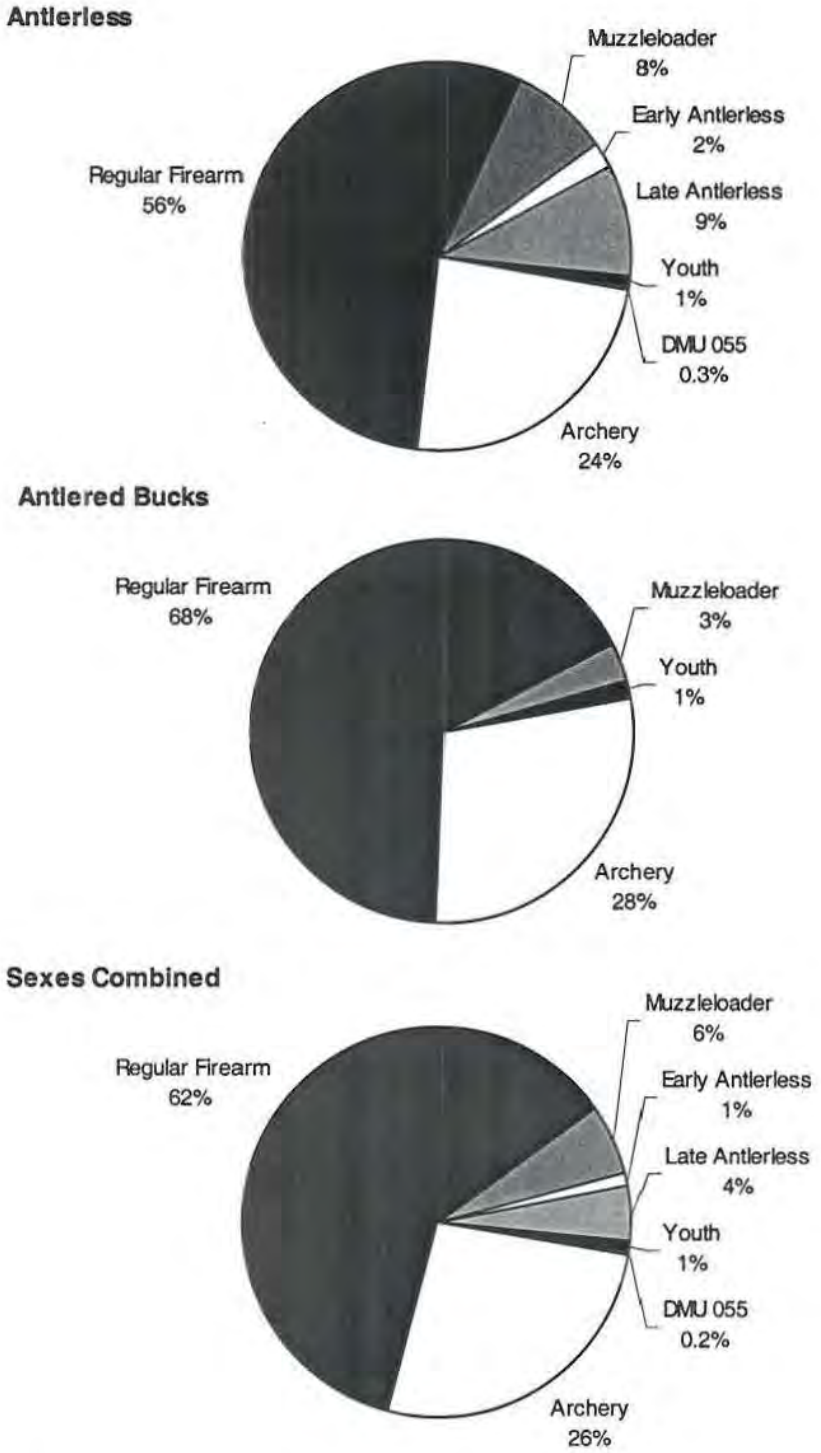

Figure 13. Distribution of harvest among deer hunting seasons in Michigan, 2001.

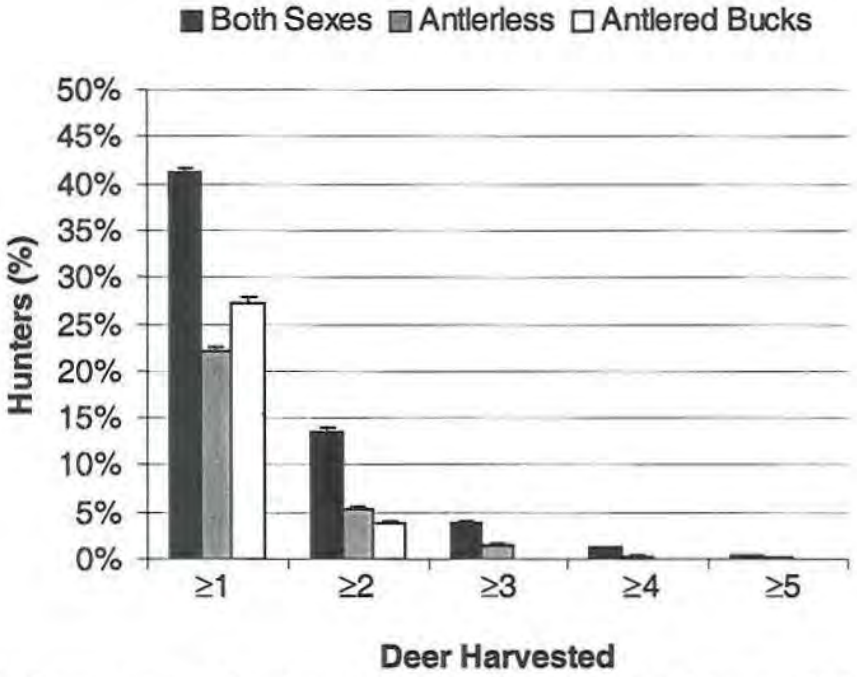

Figure 14. Percentage of hunters harvesting a deer in Michigan, 2001. Error bars represent the 95% confidence limits.

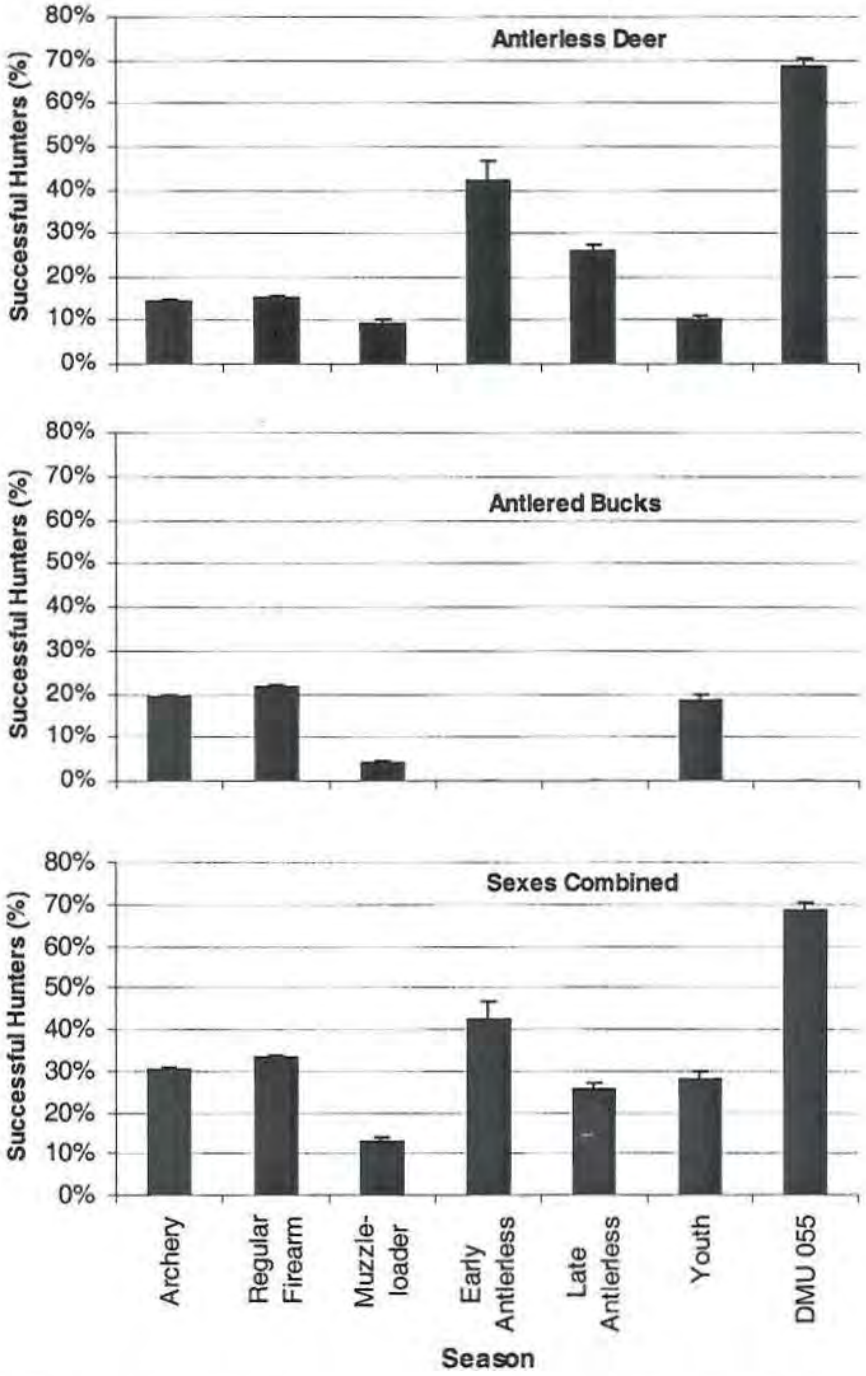

Figure 15. Percentage of hunters harvesting a deer in Michigan's deer hunting seasons, 2001. Error bars represent the 95% confidence limits.

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

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

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

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

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

[d]Youth hunters that hunted with a firearm were restricted to taking an antlered deer.

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

Table 2. Number of Michigan deer licenses and harvest tags purchased, 1999-2001.

Licenses or Harvest Tags	Number purchased 1999	2000	2001	Change (%) Between 2000 and 2001
Firearm Licenses				
Resident	388,158	303,489	306,935	1.1%
Non-resident	15,118	14,075	13,760	-2.2%
Senior	38,331	32,170	32,816	2.0%
Military	19	31	28	-9.7%
Archery Licenses				
Resident	118,688	67,372	62,028	-7.9%
Non-resident	4,162	3,695	3,569	-3.4%
Junior	16,129	10,173	9,789	-3.8%
Senior	6,232	3,209	3,238	0.9%
Military	26	18	26	44.4%
Combination Licenses[a]				
Resident	245,051	313,878	304,799	-2.9%
Non-resident	1,069	1,516	1,497	-1.3%
Junior	18,548	29,187	31,146	6.7%
Senior	20,042	25,707	25,734	0.1%
Military	115	147	131	-10.9%
Antlerless Licenses				
Resident	674,742	573,616	514,603	-10.3%
Non-resident	8,473	6,695	4,536	-32.2%
Junior	8,839	10,509	11,299	7.5%
Deer Management Assistance[b]	9,973	12,130	9,814	-19.1%
Harvest Tags				
Firearm	441,626	349,765	353,539	1.1%
Archery	145,237	84,467	78,650	-6.9%
Combination	569,650	740,869	726,614	-1.9%
Antlerless	702,027	602,950	540,252	-10.4%
Total Harvest Tags	1,858,540	1,778,051	1,699,055	-4.4%

[a]Combination licenses included two harvest tags. All other license types had one harvest tag.
[b]Prior to 2001, Block Permits were included with DMA permits.

Table 3. Number of deer hunters and hunting effort in Michigan by hunting season, 2000-2001.

Season and Area	Number of hunters[a]				Hunting effort (days)			
	2000	2001	95% CL[b]	Change from 2000 to 2001	2000	2001	95% CL[b]	Change from 2000 to 2001
Archery								
West UP	28,337	25,512	1,450	-10.0%	281,391	268,197	19,863	-4.7%
East UP	10,103	9,813	926	-2.9%	95,477	100,397	12,770	5.2%
NE LP	55,479	54,172	2,109	-2.4%	530,363	531,437	28,761	0.2%
NW LP	71,679	68,147	2,327	-4.9%	790,170	794,074	36,602	0.5%
Sag. Bay	62,972	59,537	2,189	-5.5%	790,537	757,015	37,321	-4.2%
SW LP	58,426	53,782	2,072	-7.9%	838,659	766,867	37,672	-8.6%
SC LP	68,156	63,914	2,257	-6.2%	937,441	925,253	42,191	-1.3%
SE LP	40,039	35,893	1,729	-10.4%	505,174	478,981	30,746	-5.2%
UP	37,886	34,990	2,880	-7.6%	376,867	368,594	23,614	-2.2%
NLP	146,485	141,023	4,076	-3.7%	1,582,060	1,577,807	51,162	-0.3%
SLP	196,339	183,259	3,984	-6.7%	2,810,283	2,675,820	71,322	-4.8%
Statewide[c]	337,611	323,686	4,099	-4.1%	4,769,211	4,622,221	91,232	-3.1%
Regular Firearm								
West UP	91,774	85,748	2,542	-6.6%	643,028	629,683	22,235	-2.1%
East UP	30,873	30,201	1,605	-2.2%	197,085	207,311	12,833	5.2%
NE LP	130,648	134,692	3,145	3.1%	771,652	819,016	23,899	6.1%
NW LP	145,787	144,472	3,215	-0.9%	850,892	859,997	24,172	1.1%
Sag. Bay	105,501	100,781	2,772	-4.5%	650,965	631,331	21,495	-3.0%
SW LP	102,468	97,703	2,701	-4.7%	677,090	664,795	22,653	-1.8%
SC LP	115,846	112,891	2,897	-2.6%	742,532	717,945	23,002	-3.3%
SE LP	44,545	43,115	1,888	-3.2%	257,900	250,507	13,331	-2.9%
UP	121,793	115,266	1,694	-5.4%	840,113	836,994	25,673	-0.4%
NLP	307,306	308,547	3,188	0.4%	1,835,977	1,890,031	36,163	2.9%
SLP	319,531	308,142	3,489	-3.6%	2,115,054	2,053,561	39,111	-2.9%
Statewide[c]	695,191	688,374	2,887	-1.0%	4,791,145	4,780,586	59,404	-0.2%

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2001 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.

Table 3 (continued). Number of deer hunters and hunting effort in Michigan by hunting season, 2000-2001.

Season and Area	Number of hunters[a] 2000	2001	95% CL[b]	Change from 2000 to 2001	Hunting effort (days) 2000	2001	95% CL[b]	Change from 2000 to 2001
Muzzleloader								
West UP	13,847	16,499	1,173	19.2%	68,190	77,834	6,230	14.1%
East UP	4,448	7,145	797	60.6%	19,715	33,055	4,167	67.7%
NE LP	18,773	25,157	1,465	34.0%	76,665	101,270	6,759	32.1%
NW LP	20,456	27,959	1,535	36.7%	77,541	109,597	6,942	41.3%
Sag. Bay	23,953	28,937	1,562	20.8%	93,631	113,432	7,086	21.1%
SW LP	29,418	33,820	1,668	15.0%	121,739	147,376	8,407	21.1%
SC LP	30,389	35,908	1,726	18.2%	123,863	149,853	8,468	21.0%
SE LP	14,093	16,363	1,184	16.1%	51,666	65,000	5,486	25.8%
UP	18,071	23,492	1,402	30.0%	87,905	110,889	7,495	26.1%
NLP	45,279	60,748	2,219	34.2%	179,918	243,342	10,411	35.3%
SLP	88,884	103,366	2,775	16.3%	365,185	443,186	14,429	21.4%
Statewide[c]	149,443	180,814	3,478	21.0%	633,008	797,417	19,405	26.0%
Early Antlerless								
West UP	0	0	0		0	0	0	
East UP	0	0	0		0	0	0	
NE LP	6,893	6,656	731	-3.4%	21,898	24,727	3,196	12.9%
NW LP	0	3,259	516		0	10,303	1,944	
Sag. Bay	0	0	0		0	0	0	
SW LP	0	0	0		0	0	0	
SC LP	0	0	0		0	0	0	
SE LP	0	0	0		0	0	0	
UP	0	0	0		0	0	0	
NLP	6,893	9,915	886	43.8%	21,898	35,030	3,741	60.0%
SLP	0	0	0		0	0	0	
Statewide[c]	6,893	9,915	886	43.8%	21,898	35,030	3,769	60.0%

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2001 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.

Table 3 (continued). Number of deer hunters and hunting effort in Michigan by hunting season, 2000-2001.

Season and Area	Number of hunters[a]				Hunting effort (days)			
	2000	2001	95% CL[b]	Change from 2000 to 2001	2000	2001	95% CL[b]	Change from 2000 to 2001
Late Antlerless								
West UP	0	0	0		0	0	0	
East UP	0	0	0		0	0	0	
NE LP	12,766	8,610	831	-32.6%	47,664	37,418	4,572	-21.5%
NW LP	11,490	12,297	984	7.0%	44,035	49,721	5,292	12.9%
Sag. Bay	14,151	10,587	913	-25.2%	55,940	42,700	4,750	-23.7%
SW LP	17,982	17,564	1,158	-2.3%	70,647	78,106	6,670	10.6%
SC LP	19,983	15,218	1,083	-23.8%	78,531	64,760	5,981	-17.5%
SE LP	7,930	5,495	663	-30.7%	30,342	22,798	3,506	-24.9%
UP	0	0	0		0	0	0	
NLP	27,593	22,433	1,298	-18.7%	104,656	92,992	7,222	-11.1%
SLP	55,813	46,856	1,752	-16.0%	222,502	202,511	10,576	-9.0%
Statewide[c]	84,543	69,307	1,996	-18.0%	327,158	295,503	12,843	-9.7%
Youth								
West UP	1,048	866	126	-17.3%	1,832	1,536	232	-16.1%
East UP	232	204	62	-12.1%	395	397	137	0.5%
NE LP	1,323	1,797	184	35.9%	2,421	3,234	376	33.6%
NW LP	2,676	3,378	240	26.2%	4,947	6,733	1,644	36.1%
Sag. Bay	2,467	3,001	229	21.6%	4,516	5,664	774	25.4%
SW LP	2,462	2,502	212	1.6%	4,355	4,630	578	6.3%
SC LP	2,511	3,066	227	22.1%	4,458	5,101	460	14.4%
SE LP	975	1,269	152	30.2%	1,734	2,439	485	40.7%
UP	1,279	1,070	140	-16.4%	2,226	1,933	270	-13.2%
NLP	4,665	5,983	301	28.3%	8,479	11,427	1,706	34.8%
SLP	7,652	8,994	337	17.5%	13,953	16,374	1,146	17.4%
Statewide[c]	13,679	16,059	341	17.4%	24,658	29,733	2,073	20.6%

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2001 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.

Table 3 (continued). Number of deer hunters and hunting effort in Michigan by hunting season, 2000-2001.

Season and Area	Number of hunters[a] 2000	2001	95% CL[b]	Change from 2000 to 2001	Hunting effort (days) 2000	2001	95% CL[b]	Change from 2000 to 2001
Early Antlerless in DMU 055								
West UP	0	612	21		0	1,644	68	
East UP	0	0	0		0	0	0	
NE LP	0	0	0		0	0	0	
NW LP	0	0	0		0	0	0	
Sag. Bay	0	0	0		0	0	0	
SW LP	0	0	0		0	0	0	
SC LP	0	0	0		0	0	0	
SE LP	0	0	0		0	0	0	
UP	0	612	21		0	1,644	68	
NLP	0	0	0		0	0	0	
SLP	0	0	0		0	0	0	
Statewide[c]	0	612	21		0	1,644	68	
All Seasons								
West UP	102,603	95,666	2,664	-6.8%	994,141	978,463	37,457	-1.6%
East UP	35,314	34,709	1,713	-1.7%	312,615	341,024	23,492	9.1%
NE LP	151,782	154,839	3,316	2.0%	1,450,318	1,516,675	49,548	4.6%
NW LP	169,983	168,423	3,402	-0.9%	1,767,844	1,830,405	57,076	3.5%
Sag. Bay	126,576	121,219	2,991	-4.2%	1,595,766	1,550,356	56,666	-2.8%
SW LP	120,751	114,460	2,891	-5.2%	1,712,364	1,661,974	60,283	-2.9%
SC LP	137,399	133,130	3,099	-3.1%	1,886,790	1,863,226	64,057	-1.2%
SE LP	63,292	58,886	2,180	-7.0%	847,240	820,010	43,806	-3.2%
UP	136,090	129,033	3,013	-5.2%	1,306,756	1,319,487	44,214	1.0%
NLP	354,718	355,174	4,157	0.1%	3,733,087	3,850,245	81,925	3.1%
SLP	380,691	365,257	4,097	-4.1%	5,527,234	5,392,402	108,942	-2.4%
Statewide[c]	758,291	753,059	1,999	-0.7%	10,567,077	10,562,134	143,865	0.0%

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2001 estimate.
[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one area.

Table 4. Mean number of days hunters spent hunting deer in Michigan by hunting season, 2001.[a]

	Season															
	Archery		Regular Firearm		Muzzle-loader		Early Antlerless		Late Antlerless		Youth		Early Antlerless in DMU 055		All Seasons	
Area	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]	Hunting effort ($\bar{x}$ days)	95% CL[b]
West UP	10.7	0.5	7.4	0.1	4.8	0.2	0.0	0.0	0.0	0.0	1.8	0.1	2.8	0.1	10.3	0.3
East UP	10.3	0.9	6.9	0.2	4.7	0.3	0.0	0.0	0.0	0.0	1.9	0.3	0.0	0.0	9.9	0.5
NE LP	9.9	0.4	6.1	0.1	4.1	0.1	3.9	0.2	4.5	0.3	1.8	0.1	0.0	0.0	9.9	0.2
NW LP	11.8	0.4	6.0	0.1	4.0	0.1	3.3	0.3	4.3	0.3	2.0	0.4	0.0	0.0	11.0	0.3
Sag. Bay	13.0	0.4	6.3	0.1	4.0	0.1	0.0	0.0	4.3	0.3	1.9	0.2	0.0	0.0	12.9	0.3
SW LP	14.6	0.4	6.9	0.1	4.4	0.1	0.0	0.0	4.7	0.2	1.9	0.2	0.0	0.0	14.7	0.4
SC LP	14.8	0.4	6.5	0.1	4.2	0.1	0.0	0.0	4.5	0.2	1.7	0.1	0.0	0.0	14.2	0.4
SE LP	13.7	0.6	6.0	0.2	4.1	0.2	0.0	0.0	4.5	0.4	2.0	0.3	0.0	0.0	14.2	0.6
UP	10.7	0.5	7.3	0.1	4.8	0.2	0.0	0.0	0.0	0.0	1.8	0.1	2.8	0.1	10.3	0.2
NLP	11.3	0.3	6.2	0.1	4.1	0.1	3.7	0.2	4.4	0.2	1.9	0.3	0.0	0.0	10.9	0.2
SLP	14.9	0.3	6.8	0.1	4.4	0.1	0.0	0.0	4.6	0.1	1.8	0.1	0.0	0.0	15.0	0.2
Statewide	14.7	0.2	7.1	0.0	4.5	0.1	3.7	0.2	4.6	0.1	1.9	0.1	2.8	0.1	14.3	0.1

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

Table 5. Number of deer harvested in Michigan, 1999-2001.

Season or permit	Type of deer[a]	1999	2000	2001	Change from 2000 to 2001
Season					
Archery	Antlerless	64,374	52,760	52,942	0.3%
	Antlered bucks	78,241	76,166	66,975	-12.1%
	Sexes combined	142,615	128,926	119,918	-7.0%
Regular firearm	Antlerless	149,858	146,734	123,440	-15.9%
	Antlered bucks	180,157	197,290	157,388	-20.2%
	Sexes combined	330,014	344,024	280,828	-18.4%
Muzzleloader	Antlerless	17,120	20,187	18,230	-9.7%
	Antlered bucks	7,480	8,830	7,929	-10.2%
	Sexes combined	24,600	29,017	26,159	-9.8%
Early antlerless	Antlerless	4,298	2,287	5,232	128.8%
Late antlerless	Antlerless	36,046	25,129	20,421	-18.7%
Youth[b]	Antlerless	0	1,366	1,754	28.4%
	Antlered bucks	0	3,626	2,978	-17.9%
	Sexes combined	0	4,992	4,733	-5.2%
DMU 055[c]	Antlerless	0	0	698	
Special permits[d]	Antlerless	7,322	7,327	5,717	-22.0%
Grand Total	Antlerless	279,017	255,790	228,435	-10.7%
	Antlered bucks	265,878	285,911	235,271	-17.7%
	Sexes combined	544,895	541,701	463,706	-14.4%

[a]Refer to Hill (2002) for summary of harvest by age and sex of animal.
[b]Youth season did not occur prior to 2000.
[c]Special early antlerless season in DMU 055 did not occur prior to 2001.
[d]Includes deer harvested with DMA permits. These permits could be used during any deer hunting season.

Table 6. Number of deer harvested in Michigan by hunting season, 2000-2001.[a]

Season and Area	Antlerless 2000 Harvest	Antlerless 2001 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2000 to 2001	Antlered Bucks 2000 Harvest	Antlered Bucks 2001 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2000 to 2001	Sexes Combined 2000 Harvest	Sexes Combined 2001 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2000 to 2001
Archery												
West UP	7,065	6,311	852	-10.7%	6,135	4,790	635	-21.9%	13,194	11,104	1,149	-15.8%
East UP	2,551	1,927	473	-24.5%	1,807	816	270	-54.8%	4,356	2,744	561	-37.0%
NE LP	5,112	6,588	792	28.9%	6,626	5,841	741	-11.9%	11,737	12,431	1,156	5.9%
NW LP	9,990	9,907	974	-0.8%	13,641	11,336	1,050	-16.9%	23,630	21,244	1,544	-10.1%
Sag. Bay	8,351	8,716	1,130	4.4%	12,728	10,897	1,027	-14.4%	21,080	19,613	1,656	-7.0%
SW LP	7,067	6,814	840	-3.6%	13,158	11,831	1,074	-10.1%	20,230	18,642	1,480	-7.9%
SC LP	8,048	8,464	989	5.2%	15,665	15,835	1,266	1.1%	23,719	24,294	1,743	2.4%
SE LP	4,575	4,217	685	-7.8%	6,406	5,630	743	-12.1%	10,980	9,847	1,103	-10.3%
UP	9,617	8,237	974	-14.3%	7,942	5,606	690	-29.4%	17,550	13,848	1,279	-21.1%
NLP	18,246	20,216	1,437	10.8%	24,686	20,673	1,403	-16.3%	42,929	40,894	2,166	-4.7%
SLP	24,897	24,489	1,715	-1.6%	43,539	40,696	2,011	-6.5%	68,447	65,176	2,866	-4.8%
Statewide	52,760	52,942	2,446	0.3%	76,166	66,975	2,555	-12.1%	128,926	119,918	3,826	-7.0%
Regular Firearm												
West UP	20,084	13,646	1,341	-32.1%	41,398	27,540	1,593	-33.5%	61,485	41,188	2,251	-33.0%
East UP	3,688	2,980	670	-19.2%	9,576	6,463	778	-32.5%	13,265	9,443	1,098	-28.8%
NE LP	20,906	18,651	1,569	-10.8%	30,048	25,017	1,548	-16.7%	50,954	43,669	2,350	-14.3%
NW LP	27,698	27,128	1,753	-2.1%	35,803	28,965	1,647	-19.1%	63,501	56,092	2,611	-11.7%
Sag. Bay	19,607	16,669	1,339	-15.0%	24,099	21,011	1,417	-12.8%	43,706	37,680	2,110	-13.8%
SW LP	23,713	17,814	1,400	-24.9%	23,302	18,564	1,300	-20.3%	47,013	36,377	2,097	-22.6%
SC LP	25,105	21,529	1,526	-14.2%	26,021	23,907	1,491	-8.1%	51,124	45,435	2,312	-11.1%
SE LP	5,933	5,023	712	-15.3%	7,044	5,921	729	-15.9%	12,977	10,944	1,103	-15.7%
UP	23,772	16,625	1,499	-30.1%	50,974	34,003	1,772	-33.3%	74,750	50,631	2,505	-32.3%
NLP	55,075	50,863	2,461	-7.6%	74,176	60,692	2,397	-18.2%	129,251	111,553	3,700	-13.7%
SLP	67,887	55,952	2,464	-17.6%	72,139	62,694	2,412	-13.1%	140,023	118,644	3,749	-15.3%
Statewide	146,734	123,440	3,806	-15.9%	197,290	157,388	3,853	-20.2%	344,024	280,828	5,859	-18.4%

[a]Harvest estimates do not include deer taken with DMA permits. An additional 5,717 deer were taken with these permits.
[b]95% confidence limit for the 2001 estimate.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 2000-2001.[a]

Season and Area	Antlerless 2000 Harvest	Antlerless 2001 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2000 to 2001	Antlered Bucks 2000 Harvest	Antlered Bucks 2001 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2000 to 2001	Sexes Combined 2000 Harvest	Sexes Combined 2001 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2000 to 2001
Muzzleloader												
West UP	3,635	2,831	533	-22.1%	1,461	1,076	312	-26.3%	5,096	3,907	625	-23.3%
East UP	615	831	319	35.2%	433	454	202	4.7%	1,048	1,285	401	22.6%
NE LP	2,278	1,682	395	-26.2%	1,045	968	294	-7.3%	3,323	2,651	509	-20.2%
NW LP	2,594	2,986	518	15.1%	957	492	208	-48.6%	3,550	3,474	574	-2.2%
Sag. Bay	2,866	2,506	508	-12.6%	1,141	1,054	303	-7.6%	4,006	3,561	602	-11.1%
SW LP	3,363	3,055	528	-9.2%	1,813	1,572	379	-13.3%	5,177	4,628	669	-10.6%
SC LP	3,562	3,345	558	-6.1%	1,507	1,714	386	13.7%	5,069	5,061	704	-0.2%
SE LP	1,274	995	305	-22.0%	473	598	228	26.3%	1,748	1,593	396	-8.8%
UP	4,250	3,662	621	-13.8%	1,894	1,530	372	-19.2%	6,144	5,191	742	-15.5%
NLP	5,784	5,682	738	-1.8%	2,286	1,660	383	-27.4%	8,069	7,338	854	-9.1%
SLP	10,154	8,886	907	-12.5%	4,649	4,738	647	1.9%	14,804	13,629	1,149	-7.9%
Statewide	20,187	18,230	1,328	-9.7%	8,830	7,929	839	-10.2%	29,017	26,159	1,617	-9.8%
Early Antlerless												
West UP	0	0	0		0	0	0		0	0	0	
East UP	0	0	0		0	0	0		0	0	0	
NE LP	2,287	3,135	594	37.1%	0	0	0		2,287	3,135	594	37.1%
NW LP	0	2,097	508		0	0	0		0	2,097	508	
Sag. Bay	0	0	0		0	0	0		0	0	0	
SW LP	0	0	0		0	0	0		0	0	0	
SC LP	0	0	0		0	0	0		0	0	0	
SE LP	0	0	0		0	0	0		0	0	0	
UP	0	0	0		0	0	0		0	0	0	
NLP	2,287	5,232	784	128.8%	0	0	0		2,287	5,232	784	128.8%
SLP	0	0	0		0	0	0		0	0	0	
Statewide	2,287	5,232	784	128.8%	0	0	0		2,287	5,232	784	128.8%

[a]Harvest estimates do not include deer taken with DMA permits. An additional 5,717 deer were taken with these permits.
[b]95% confidence limit for the 2001 estimate.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 2000-2001.[a]

Season and Area	Antlerless 2000 Harvest	Antlerless 2001 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2000 to 2001	Antlered Bucks 2000 Harvest	Antlered Bucks 2001 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2000 to 2001	Sexes Combined 2000 Harvest	Sexes Combined 2001 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2000 to 2001
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	4,279	2,378	481	-44.4%	0	0	0		4,279	2,378	481	-44.4%
NW LP	4,635	4,485	713	-3.2%	0	0	0		4,635	4,485	713	-3.2%
Sag. Bay	4,869	2,971	523	-39.0%	0	0	0		4,869	2,971	523	-39.0%
SW LP	4,327	4,570	675	5.6%	0	0	0		4,327	4,570	675	5.6%
SC LP	5,121	4,745	840	-7.3%	0	0	0		5,121	4,745	840	-7.3%
SE LP	1,897	1,272	371	-33.0%	0	0	0		1,897	1,272	371	-33.0%
UP	0	0	0		0	0	0		0	0	0	
NLP	10,529	7,484	893	-28.9%	0	0	0		10,529	7,484	893	-28.9%
SLP	14,599	12,938	1,231	-11.4%	0	0	0		14,599	12,938	1,231	-11.4%
Statewide	25,129	20,421	1,531	-18.7%	0	0	0		25,129	20,421	1,531	-18.7%
Youth												
West UP	108	90	41	-16.6%	390	231	66	-40.8%	498	321	78	-35.6%
East UP	20	36	26	83.4%	78	24	21	-69.2%	98	60	34	-38.5%
NE LP	191	257	99	34.8%	361	265	71	-26.6%	551	522	123	-5.3%
NW LP	313	407	88	29.9%	902	691	116	-23.3%	1,215	1,099	147	-9.6%
Sag. Bay	191	311	77	63.0%	804	752	122	-6.5%	995	1,063	145	6.7%
SW LP	269	234	123	-13.3%	317	319	78	0.6%	586	552	148	-5.7%
SC LP	186	311	82	67.3%	560	511	99	-8.8%	747	822	130	10.2%
SE LP	88	108	52	22.3%	214	186	61	-13.1%	303	294	81	-2.8%
UP	127	126	49	-1.2%	468	255	69	-45.5%	595	381	85	-36.1%
NLP	588	808	142	37.6%	1,555	1,118	147	-28.1%	2,142	1,927	206	-10.0%
SLP	651	820	166	26.0%	1,603	1,605	177	0.1%	2,254	2,425	246	7.6%
Statewide	1,366	1,754	224	28.4%	3,626	2,978	241	-17.9%	4,992	4,733	332	-5.2%

[a]Harvest estimates do not include deer taken with DMA permits. An additional 5,717 deer were taken with these permits.
[b]95% confidence limit for the 2001 estimate.

Table 7. Number of deer harvested on public and private lands during all seasons combined in Michigan by management region, 2000-2001.[a]

Season and Area	Antlerless 2000 Harvest	Antlerless 2001 Harvest	Antlerless 95% CL[b]	Antlerless Change from 2000 to 2001	Antlered Bucks 2000 Harvest	Antlered Bucks 2001 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 2000 to 2001	Sexes Combined 2000 Harvest	Sexes Combined 2001 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 2000 to 2001
Public Lands												
West UP	3,864	6,858	1,037	77.5%	15,616	12,207	1,104	-21.8%	19,496	19,064	1,626	-2.2%
East UP	768	1,484	420	93.2%	3,390	2,986	537	-11.9%	4,161	4,470	717	7.4%
NE LP	11,014	8,838	1,126	-19.8%	11,128	9,574	976	-14.0%	22,127	18,413	1,610	-16.8%
NW LP	7,176	8,798	924	22.6%	13,133	10,710	1,016	-18.5%	20,311	19,508	1,486	-4.0%
Sag. Bay	5,040	2,930	592	-41.9%	5,539	4,475	680	-19.2%	10,573	7,405	969	-30.0%
SW LP	3,192	2,282	503	-28.5%	2,962	2,417	485	-18.4%	6,148	4,700	772	-23.6%
SC LP	4,728	2,635	772	-44.3%	3,296	2,795	530	-15.2%	8,014	5,430	1,038	-32.2%
SE LP	1,512	1,111	332	-26.5%	1,028	1,282	365	24.7%	2,535	2,393	532	-5.6%
UP	4,632	8,342	1,118	80.1%	19,006	15,193	1,227	-20.1%	23,657	23,534	1,777	-0.5%
NLP	19,606	18,522	1,486	-5.5%	26,720	22,230	1,476	-16.8%	46,314	40,753	2,262	-12.0%
SLP	13,056	8,072	1,106	-38.2%	10,366	9,023	958	-13.0%	23,394	17,096	1,608	-26.9%
Statewide	37,294	34,937	2,170	-6.3%	56,092	46,447	2,153	-17.2%	93,365	81,383	3,305	-12.8%
Private Lands												
West UP	16,881	16,715	1,417	-1.0%	24,536	21,411	1,413	-12.7%	41,429	38,128	2,227	-8.0%
East UP	3,795	4,291	811	13.1%	5,774	4,767	694	-17.4%	9,572	9,058	1,189	-5.4%
NE LP	27,787	23,840	1,809	-14.2%	24,152	22,504	1,513	-6.8%	51,936	46,343	2,591	-10.8%
NW LP	39,097	38,202	2,306	-2.3%	36,108	30,765	1,741	-14.8%	75,204	68,966	3,248	-8.3%
Sag. Bay	38,136	28,254	2,004	-25.9%	33,136	29,245	1,740	-11.7%	71,273	57,500	2,996	-19.3%
SW LP	40,515	30,204	1,990	-25.5%	33,472	29,881	1,766	-10.7%	73,984	60,084	3,061	-18.8%
SC LP	53,698	35,763	2,199	-33.4%	41,401	39,189	2,073	-5.3%	95,092	74,952	3,440	-21.2%
SE LP	14,506	10,512	1,158	-27.5%	11,213	11,061	1,072	-1.4%	25,716	21,573	1,802	-16.1%
UP	20,676	21,006	1,633	1.6%	30,310	26,179	1,575	-13.6%	51,001	47,186	2,524	-7.5%
NLP	79,684	71,750	3,157	-10.0%	70,946	61,890	2,486	-12.8%	150,626	133,638	4,491	-11.3%
SLP	134,055	95,025	3,574	-29.1%	108,536	100,755	3,276	-7.2%	242,579	195,781	5,524	-19.3%
Statewide	234,415	187,781	5,060	-19.9%	209,792	188,824	4,423	-10.0%	444,206	376,605	7,586	-15.2%

[a]Harvest estimates do not include deer taken with DMA permits. An additional 5,717 deer were taken with these permits.
[b]95% confidence limit for the 2001 estimate.

Table 8. Percentage of deer hunters harvesting deer in Michigan during all seasons, 2001.[a]

Sex and Area	Number of deer harvested									
	≥1 deer		≥2 deer		≥3 deer		≥4 deer		≥5 deer	
	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]
Antlerless										
West UP	17.3%	1.1%	4.4%	0.6%	1.5%	0.3%	0.4%	0.2%	0.3%	0.1%
East UP	12.5%	1.7%	2.7%	0.8%	0.8%	0.5%	0.2%	0.2%	0.1%	0.2%
NE LP	16.3%	0.9%	3.3%	0.4%	0.9%	0.2%	0.2%	0.1%	0.1%	0.1%
NW LP	21.5%	0.9%	4.6%	0.5%	1.2%	0.2%	0.3%	0.1%	0.1%	0.1%
Sag. Bay	19.8%	1.1%	4.1%	0.5%	1.1%	0.3%	0.2%	0.1%	0.1%	0.1%
SW LP	21.3%	1.1%	5.5%	0.6%	1.1%	0.3%	0.2%	0.1%	0.1%	0.1%
SC LP	21.8%	1.0%	5.0%	0.6%	1.3%	0.3%	0.1%	0.1%	0.0%	0.0%
SE LP	15.5%	1.4%	3.2%	0.7%	0.7%	0.3%	0.1%	0.1%	0.0%	0.0%
UP	16.2%	0.9%	4.0%	0.5%	1.3%	0.3%	0.4%	0.1%	0.2%	0.1%
NLP	19.5%	0.6%	4.2%	0.3%	1.1%	0.2%	0.2%	0.1%	0.1%	0.0%
SLP	21.3%	0.6%	5.0%	0.3%	1.2%	0.2%	0.2%	0.1%	0.1%	0.0%
Statewide	22.0%	0.4%	5.4%	0.2%	1.5%	0.1%	0.3%	0.1%	0.1%	0.0%
Antlered Bucks[c]										
West UP	31.5%	1.4%	3.1%	0.5%						
East UP	20.4%	2.0%	1.7%	0.6%						
NE LP	18.5%	0.9%	1.9%	0.3%						
NW LP	21.9%	0.9%	2.1%	0.3%						
Sag. Bay	23.7%	1.1%	3.2%	0.5%						
SW LP	24.4%	1.2%	3.3%	0.5%						
SC LP	26.4%	1.1%	4.5%	0.5%						
SE LP	18.3%	1.5%	2.3%	0.6%						
UP	29.0%	1.2%	2.8%	0.4%						
NLP	21.3%	0.6%	2.1%	0.2%						
SLP	25.7%	0.7%	4.1%	0.3%						
Statewide	27.3%	0.5%	3.9%	0.2%						

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

Table 8 (continued). Percentage of deer hunters harvesting deer in Michigan during all seasons, 2001.[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	42.2%	1.5%	11.4%	0.9%	3.0%	0.5%	1.4%	0.3%	0.3%	0.3%
East UP	29.4%	2.3%	6.7%	1.3%	1.5%	0.6%	0.5%	0.4%	0.1%	0.1%
NE LP	30.6%	1.1%	7.8%	0.6%	2.1%	0.3%	0.6%	0.2%	0.1%	0.1%
NW LP	36.9%	1.1%	11.0%	0.7%	2.9%	0.4%	0.8%	0.2%	0.1%	0.1%
Sag. Bay	37.4%	1.3%	11.2%	0.8%	3.0%	0.5%	0.9%	0.2%	0.2%	0.2%
SW LP	37.8%	1.3%	13.0%	0.9%	3.8%	0.5%	1.1%	0.3%	0.2%	0.2%
SC LP	40.8%	1.2%	13.5%	0.9%	3.8%	0.5%	1.1%	0.3%	0.2%	0.2%
SE LP	28.9%	1.7%	8.4%	1.1%	1.9%	0.5%	0.8%	0.3%	0.0%	0.0%
UP	39.1%	1.3%	10.3%	0.8%	2.7%	0.4%	1.2%	0.3%	0.1%	0.1%
NLP	34.9%	0.7%	9.9%	0.5%	2.7%	0.3%	0.8%	0.1%	0.1%	0.1%
SLP	39.2%	0.7%	13.1%	0.5%	3.6%	0.3%	1.1%	0.2%	0.0%	0.0%
Statewide	41.2%	0.5%	13.6%	0.4%	3.9%	0.2%	1.2%	0.1%	0.5%	0.1%

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

Table 9. Percentage of deer hunters harvesting at least one deer in Michigan by hunting season, 2001.[a]

Sex and Area	Season															
	Archery		Regular Firearm		Muzzleloader		Early Antlerless		Late Antlerless		Youth		Early Antlerless in DMU 055		All Seasons	
	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]
Antlerless																
West UP	20.8%	2.3%	12.2%	1.0%	14.4%	2.5%	0.0%	0.0%	0.0%	0.0%	10.4%	4.5%	68.7%	1.7%	17.3%	1.1%
East UP	16.3%	3.5%	7.9%	1.5%	9.8%	3.3%	0.0%	0.0%	0.0%	0.0%	17.6%	11.7%	0.0%	0.0%	12.5%	1.7%
NE LP	11.5%	1.3%	11.5%	0.8%	6.4%	1.5%	38.9%	5.4%	25.4%	4.3%	12.3%	3.4%	0.0%	0.0%	16.3%	0.9%
NW LP	13.7%	1.2%	16.1%	0.9%	10.3%	1.7%	50.5%	8.0%	30.2%	3.8%	12.1%	2.5%	0.0%	0.0%	21.5%	0.9%
Sag. Bay	12.2%	1.3%	14.6%	1.0%	7.7%	1.5%	0.0%	0.0%	26.1%	3.9%	10.4%	2.4%	0.0%	0.0%	19.8%	1.1%
SW LP	11.5%	1.3%	15.5%	1.1%	8.5%	1.4%	0.0%	0.0%	22.9%	2.9%	6.9%	2.2%	0.0%	0.0%	21.3%	1.1%
SC LP	11.7%	1.2%	16.6%	1.0%	8.8%	1.4%	0.0%	0.0%	26.2%	3.3%	9.8%	2.3%	0.0%	0.0%	21.8%	1.0%
SE LP	10.3%	1.5%	10.4%	1.4%	5.7%	1.7%	0.0%	0.0%	19.5%	4.9%	7.5%	3.2%	0.0%	0.0%	15.5%	1.4%
UP	19.6%	2.0%	11.1%	0.8%	13.1%	2.0%	0.0%	0.0%	0.0%	0.0%	11.8%	4.3%	68.7%	1.7%	16.2%	0.9%
NLP	13.3%	0.8%	14.0%	0.6%	8.8%	1.1%	42.3%	4.5%	28.9%	2.8%	12.9%	1.9%	0.0%	0.0%	19.5%	0.6%
SLP	11.6%	0.7%	15.7%	0.6%	8.1%	0.8%	0.0%	0.0%	23.9%	1.8%	8.2%	1.3%	0.0%	0.0%	21.3%	0.6%
Statewide	14.4%	0.6%	15.2%	0.4%	9.4%	0.6%	42.3%	4.5%	25.7%	1.5%	10.2%	1.0%	68.7%	1.7%	22.0%	0.4%
Antlered Bucks																
West UP	18.6%	2.2%	30.2%	1.5%	6.4%	1.8%	0.0%	0.0%	0.0%	0.0%	26.6%	6.5%	0.0%	0.0%	31.5%	1.4%
East UP	8.2%	2.6%	20.5%	2.2%	6.3%	2.7%	0.0%	0.0%	0.0%	0.0%	11.8%	9.9%	0.0%	0.0%	20.4%	2.0%
NE LP	10.3%	1.2%	17.5%	1.0%	3.8%	1.1%	0.0%	0.0%	0.0%	0.0%	14.3%	3.6%	0.0%	0.0%	18.5%	0.9%
NW LP	15.5%	1.3%	19.0%	1.0%	1.8%	0.7%	0.0%	0.0%	0.0%	0.0%	20.2%	3.0%	0.0%	0.0%	21.9%	0.9%
Sag. Bay	17.0%	1.4%	19.6%	1.2%	3.6%	1.0%	0.0%	0.0%	0.0%	0.0%	24.1%	3.4%	0.0%	0.0%	23.7%	1.1%
SW LP	20.4%	1.6%	18.1%	1.1%	4.6%	1.1%	0.0%	0.0%	0.0%	0.0%	12.7%	2.9%	0.0%	0.0%	24.4%	1.2%
SC LP	22.4%	1.5%	20.2%	1.1%	4.8%	1.0%	0.0%	0.0%	0.0%	0.0%	16.6%	2.9%	0.0%	0.0%	26.4%	1.1%
SE LP	14.7%	1.8%	13.3%	1.5%	3.7%	1.4%	0.0%	0.0%	0.0%	0.0%	14.2%	4.3%	0.0%	0.0%	18.3%	1.5%
UP	15.9%	1.8%	27.9%	1.2%	6.4%	1.5%	0.0%	0.0%	0.0%	0.0%	23.7%	5.7%	0.0%	0.0%	29.0%	1.2%
NLP	13.9%	0.9%	18.6%	0.7%	2.7%	0.6%	0.0%	0.0%	0.0%	0.0%	18.4%	2.2%	0.0%	0.0%	21.3%	0.6%
SLP	20.3%	0.9%	19.3%	0.7%	4.5%	0.6%	0.0%	0.0%	0.0%	0.0%	17.5%	1.8%	0.0%	0.0%	25.7%	0.7%
Statewide	19.2%	0.6%	21.8%	0.5%	4.3%	0.4%	0.0%	0.0%	0.0%	0.0%	18.3%	1.3%	0.0%	0.0%	27.3%	0.5%

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

Table 9 (continued). Percentage of deer hunters harvesting at least one deer in Michigan by hunting season, 2001.[a]

Sex and Area	Season															
	Archery		Regular Firearm		Muzzleloader		Early Antlerless		Late Antlerless		Youth		Early Antlerless in DMU 055		All Seasons	
	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]	Success	95% CL[b]
Sexes combined																
West UP	35.4%	2.8%	38.3%	1.5%	20.1%	2.8%	0.0%	0.0%	0.0%	0.0%	36.9%	7.2%	68.7%	1.7%	42.2%	1.5%
East UP	24.0%	4.1%	26.4%	2.4%	15.4%	4.1%	0.0%	0.0%	0.0%	0.0%	29.4%	14.0%	0.0%	0.0%	29.4%	2.3%
NE LP	20.0%	1.6%	26.7%	1.1%	9.9%	1.8%	38.9%	5.4%	25.4%	4.3%	26.3%	4.6%	0.0%	0.0%	30.6%	1.1%
NW LP	26.6%	1.6%	31.4%	1.1%	11.7%	1.8%	50.5%	8.0%	30.2%	3.8%	31.9%	3.5%	0.0%	0.0%	36.9%	1.1%
Sag. Bay	27.0%	1.7%	31.0%	1.4%	11.1%	1.7%	0.0%	0.0%	26.1%	3.9%	34.3%	3.8%	0.0%	0.0%	37.4%	1.3%
SW LP	28.7%	1.8%	29.8%	1.4%	12.5%	1.7%	0.0%	0.0%	22.9%	2.9%	18.9%	3.4%	0.0%	0.0%	37.8%	1.3%
SC LP	30.8%	1.7%	33.1%	1.3%	13.1%	1.7%	0.0%	0.0%	26.2%	3.3%	26.0%	3.5%	0.0%	0.0%	40.8%	1.2%
SE LP	22.7%	2.1%	21.6%	1.8%	8.8%	2.1%	0.0%	0.0%	19.5%	4.9%	21.7%	5.1%	0.0%	0.0%	28.9%	1.7%
UP	32.5%	2.3%	35.4%	1.3%	18.7%	2.3%	0.0%	0.0%	0.0%	0.0%	35.5%	6.4%	68.7%	1.7%	39.1%	1.3%
NLP	24.8%	1.1%	29.5%	0.8%	11.2%	1.2%	42.3%	4.5%	28.9%	2.8%	31.0%	2.6%	0.0%	0.0%	34.9%	0.7%
SLP	28.9%	1.0%	31.4%	0.8%	12.1%	0.9%	0.0%	0.0%	23.9%	1.8%	25.3%	2.0%	0.0%	0.0%	39.2%	0.7%
Statewide	30.3%	0.8%	33.2%	0.5%	13.2%	0.7%	42.3%	4.5%	25.7%	1.5%	28.1%	1.6%	68.7%	1.7%	41.2%	0.5%

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

Appendix A. Number of deer hunters, days spent hunting, and deer harvested in Michigan during 2001, summarized by Deer Management Unit.

Appendix A. Number of deer hunters, days spent hunting, and deer harvested in Michigan during 2001, summarized by Deer Management Unit.

					Deer harvested (all seasons combined)					
	Hunters		Hunting effort (days)		Antlerless		Antlered bucks		Sexes combined	
DMU[d]	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL
001	11,115	988	91,887	11,699	2,553	729	1,866	446	4,419	932
003	14,319	1,102	185,659	20,245	3,008	617	2,663	507	5,671	926
004	6,529	756	58,193	9,146	969	339	1,531	380	2,500	574
005	8,338	845	84,903	11,608	2,161	615	1,825	428	3,986	811
006	10,028	937	116,351	15,529	2,357	550	2,727	518	5,084	864
007	7,130	796	70,808	10,610	305	163	1,909	433	2,213	481
008	15,718	1,152	197,978	20,190	5,156	851	4,653	695	9,809	1,294
009	4,237	610	48,185	9,662	682	309	868	308	1,550	485
010	6,672	763	72,057	12,091	1,354	394	969	306	2,324	551
011	5,239	677	80,167	14,292	760	289	1,073	342	1,834	518
012	7,693	820	90,007	13,006	1,854	427	2,226	483	4,079	738
013	13,161	1,057	184,084	20,064	4,984	825	4,393	667	9,378	1,233
014	7,841	819	117,667	16,801	2,284	552	2,433	509	4,717	892
015	5,910	715	71,086	12,619	1,380	395	1,492	391	2,872	630
016	9,255	898	94,828	12,180	1,026	315	1,810	433	2,836	577
017	8,714	873	92,257	12,373	2,106	529	1,984	432	4,089	776
018	12,506	1,032	119,551	13,769	2,551	565	2,656	506	5,208	839
019	10,040	920	135,797	17,103	2,536	554	2,764	542	5,299	863
020	12,924	1,060	105,752	13,305	2,195	556	1,998	447	4,193	773
021	14,617	1,127	130,111	13,278	1,833	498	4,443	671	6,276	916
022	12,727	1,049	117,438	12,751	3,952	747	4,366	656	8,318	1,104
023	10,415	938	134,967	16,804	3,119	599	3,269	605	6,389	952
024	5,952	718	57,523	9,669	1,403	431	1,477	389	2,880	659
025	10,346	947	140,471	18,871	1,476	441	1,808	423	3,284	702
026	18,366	1,258	207,733	20,936	3,740	687	3,961	635	7,702	1,058
028	8,520	860	97,669	14,091	1,651	427	1,260	352	2,911	640
029	9,953	926	120,839	15,897	2,721	793	3,107	588	5,828	1,122
030	11,083	972	147,574	18,349	3,367	676	3,441	614	6,808	1,086
032	12,017	1,018	148,105	17,098	3,014	680	3,791	654	6,804	1,084
033	9,374	904	121,442	16,337	2,127	527	2,826	567	4,953	879
034	12,775	1,043	154,966	17,752	3,841	731	4,409	694	8,250	1,125

[a]Harvest estimates do not include deer taken with DMA permits. An additional 5,717 deer were taken with these permits.

[b]Column totals for hunting effort and harvest may not equal regional and statewide totals because of rounding errors.

[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one DMU.

[d]See Figure 2 for the locations of DMUs.

Appendix A (continued). Number of deer hunters, days spent hunting, and deer harvested in Michigan during 2001, summarized by Deer Management Unit.

					Deer harvested (all seasons combined)					
	Hunters		Hunting effort (days)		Antlerless		Antlered bucks		Sexes combined	
DMU[d]	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL
035	12,220	1,027	129,312	15,934	3,181	664	2,788	525	5,969	964
036	18,352	1,263	154,183	13,859	4,559	776	5,683	770	10,241	1,228
037	11,288	970	133,636	16,211	3,760	705	3,810	605	7,570	1,041
038	17,809	1,226	232,300	23,334	5,209	850	4,942	733	10,151	1,334
039	8,871	871	120,661	17,218	2,829	652	2,474	523	5,303	952
040	12,225	1,031	105,402	12,083	1,763	419	1,804	433	3,567	676
041	16,379	1,174	204,579	20,854	2,696	540	4,093	662	6,789	939
042	4,536	633	50,457	9,890	150	128	1,225	353	1,374	394
043	23,341	1,401	207,536	17,892	6,044	875	4,564	664	10,609	1,241
044	15,806	1,157	209,246	21,751	4,316	753	3,643	623	7,960	1,138
045	3,878	581	39,172	8,505	517	208	811	262	1,328	373
046	8,147	833	116,392	16,673	2,060	511	1,982	452	4,042	766
047	13,881	1,097	169,782	19,112	3,021	596	3,195	567	6,216	921
048	6,563	764	59,232	9,999	184	143	1,263	367	1,447	400
049	10,396	955	100,229	12,938	1,945	550	2,201	473	4,146	819
050	4,922	650	64,022	11,996	688	255	875	282	1,563	423
051	14,610	1,115	133,497	14,486	3,841	713	3,138	561	6,979	1,008
052	9,003	889	89,059	11,604	1,489	715	2,005	469	3,493	888
053	14,180	1,093	157,936	17,853	5,465	845	4,330	666	9,796	1,249
054	15,605	1,141	158,671	16,760	5,258	876	4,400	646	9,658	1,222
055	13,286	969	135,204	12,848	6,171	726	6,628	715	12,799	1,157
056	12,706	1,041	169,389	19,330	3,393	811	3,629	632	7,022	1,173
057	13,806	1,092	128,662	13,960	3,004	559	3,022	551	6,027	845
058	4,191	607	46,482	9,256	248	144	436	228	684	288
059	18,045	1,232	218,155	21,378	5,326	823	5,536	779	10,862	1,272
060	11,443	1,001	93,348	11,721	1,966	524	1,726	414	3,692	729
061	10,008	920	138,781	17,078	2,122	486	1,915	454	4,037	774
062	29,028	1,561	310,392	24,249	5,409	794	7,255	848	12,664	1,314
063	12,023	1,019	164,267	19,720	2,406	579	2,795	546	5,201	913
064	10,943	974	129,528	16,323	2,842	600	2,739	540	5,581	918
065	17,001	1,212	162,808	16,174	3,998	734	3,821	633	7,819	1,067

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[c]Number of hunters does not add up to statewide total because hunters can hunt in more than one DMU.

[d]See Figure 2 for the locations of DMUs.

Appendix A (continued). Number of deer hunters, days spent hunting, and deer harvested in Michigan during 2001, summarized by Deer Management Unit.

					Deer harvested (all seasons combined)					
	Hunters		Hunting effort (days)		Antlerless		Antlered bucks		Sexes combined	
DMU[d]	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL	No.	95% CL
066	13,420	1,085	121,790	12,737	1,820	452	4,969	709	6,788	908
067	15,488	1,135	150,082	16,094	6,903	1,115	3,710	600	10,614	1,415
068	14,449	1,122	108,409	11,526	2,024	494	2,007	463	4,031	759
069	9,363	901	78,206	10,872	1,627	561	1,488	386	3,115	714
070	10,426	939	122,182	14,985	1,603	458	1,948	430	3,552	675
071	8,231	847	84,658	12,851	1,721	472	2,028	438	3,749	727
072	19,410	1,294	170,842	16,569	3,327	637	2,852	542	6,180	919
073	10,102	927	140,980	17,971	1,798	449	2,312	505	4,110	745
074	13,231	1,060	178,008	20,860	2,416	517	2,364	483	4,780	788
075	7,038	771	108,292	16,132	2,860	626	2,349	504	5,208	951
076	17,058	1,192	203,775	20,352	4,798	800	5,163	740	9,961	1,226
078	10,690	964	159,113	19,751	2,260	533	2,986	573	5,246	881
079	14,054	1,088	181,666	19,770	2,951	585	3,184	558	6,135	885
080	8,687	859	117,249	15,828	2,440	568	2,216	472	4,656	844
081	12,391	1,028	158,981	18,069	2,940	763	3,731	650	6,670	1,120
082	1,659	381	16,010	5,310	37	52	326	192	363	199
083	15,640	1,154	145,220	15,998	3,120	628	3,631	598	6,751	977
115	828	273	6,567	2,572	173	124	347	188	520	254
117	2,421	464	17,787	4,465	354	201	444	208	799	296
118	5,154	664	56,811	11,016	1,785	583	1,170	340	2,955	780
122	1,589	370	14,562	4,212	708	421	507	219	1,215	537
135	888	275	8,766	3,370	191	155	177	139	368	227
145	50	67	426	581	0	0	0	0	0	0
149	264	151	1,942	1,549	25	48	12	21	37	52
152	4,800	652	53,516	10,503	612	281	679	267	1,292	437
155	6,076	723	59,409	9,621	2,023	606	1,824	417	3,847	825
173	2,123	432	22,198	7,019	243	141	440	224	683	279
174	328	172	3,991	2,833	75	82	125	126	201	165
245	31	49	149	242	0	0	25	48	25	48
252	2,864	503	28,197	6,312	699	326	570	243	1,269	473
273	0	0	0	0	0	0	0	0	0	0
452	13,923	1,102	113,974	12,304	2,861	599	2,960	567	5,821	889

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[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.