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MICHIGAN DEER HARVEST SURVEY REPORT 2000 SEASONS

Brian J. Frawley

ABSTRACT

A survey of deer hunters was conducted following the 2000 hunting seasons to estimate hunter participation, harvest, and hunting effort. In 2000, an estimated 758,291 hunters spent 10,567,077 days afield. Statewide, the number of people hunting deer declined by 3%, and hunting effort declined by 9% between 1999 and 2000. Hunters harvested 541,701 deer, a decrease of 1% from the number taken in 1999. Harvest of antlerless deer declined by 8%, and harvest of antlered bucks increased by 8%. Despite the decline in harvest between 1999 and 2000, the number of deer taken in 2000 was the third highest number ever taken. Statewide, 47% of hunters harvested a deer. About 24% of the hunters took an antlerless deer and 32% took an antlered buck. About 16% 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 gained 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 2000, white-tailed deer (*Odocoileus virginianus*) could be harvested during (1) youth, (2) archery, (3) early antlerless, (4) regular firearm, (5) muzzleloader, and (6) late antlerless

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hunting seasons. 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 harvest tags, excluding tags associated with antlerless licenses, Crop Depredation Deer Hunting Permits, 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 Deer Management Unit (DMU) designated at the time of purchase. Antlerless licenses were available for most of the state except in portions of the Upper Peninsula. The number of licenses available in most DMUs open to antlerless deer hunting was restricted by quota, except in the Bovine Tuberculosis Management Area in the northeast Lower Peninsula (DMU 452) where an unlimited number of licenses were available. Hunters could purchase a maximum of three antlerless licenses. However, in DMU 452 and in some of the Upper Peninsula DMUs, hunters could purchase an unlimited number of licenses.

Crop Depredation Deer Hunting (Block) Permits and DMA Permits were special antlerless permits issued to landowners in areas experiencing severe crop damage, or areas where management objectives included controlling diseases 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 (Block Permits only). 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 23-24 on private lands statewide. Youths 14-16 years of age could take one deer using either a firearm license, combination license, antlerless license, Block Permit, or DMA Permit. Youths participating during this season had to be accompanied by an adult at least 18 years old.

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, 2000, to January 1, 2001). Archery licenses, antlerless licenses, combination licenses, Block Permits, 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 1-10 in the Upper Peninsula and December 8-17 in the Lower Peninsula.

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 Block and DMA permits) also could be used during the firearm seasons; however, most of these antlerless licenses could only be used on private lands.

The late antlerless season, in the Lower Peninsula, occurred from December 16, 2000, through January 1, 2001. Hunters pursuing deer during this season had to possess an unused antlerless license (including Block and DMA permits) and were limited to hunting on private land, except hunters in DMU 452 in the northeast Lower Peninsula. Hunters in DMU 452 could hunt on either public or private lands.

In DMU 452, an early firearm season for antlerless deer was held October 14-23. Hunters participating during this season had to possess an antlerless license for that hunt. Hunting was restricted to private lands only.

METHODS

Following the 2000 deer hunting seasons, a questionnaire was sent to 50,185 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 Block Permits and 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 nonresponse bias.

License buyers were assigned to one of two groups (strata). One strata consisted of people eligible for the youth deer hunting season (N=21,122). The second strata consisted of all other license buyers (N=790,278). The people eligible for the youth season were sampled more frequently than hunters not eligible for the youth hunts to improve precision of estimates associated with the youth season. The random sample consisted of 6,222 people that were eligible for the youth season and 43,963 people from the other strata. The stratified sampling design accounted for the varying probabilities of being selected from the two strata so that 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 (Upper Peninsula, northern Lower Peninsula, and southern Lower Peninsula). These regions generally matched major ecoregions, except in the Upper Peninsula where two ecoregions were

combined (Albert 1995). Ecoregions are regions having similar soils, vegetation, climate, geology, and physiography. Deer harvested from unknown locations were allocated among areas in proportion to the known harvest.

Questionnaires were mailed initially 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 50,185 people were sent the questionnaire, 1,239 surveys were undeliverable resulting in an adjusted sample size of 48,946. Questionnaires were returned by 36,021 of 48,946 people receiving the questionnaire (74% response rate).

RESULTS

In 2000, 811,400 people purchased a license to hunt deer in Michigan. The number of people buying a license in 2000 declined nearly 3% from 1999 (832,088 people purchased a license in 1999). Most of the people buying a license were men (91.4%), although 8.6% of the licensees were women. The average age of the license buyers was 40 years (Figure 2).

Combination licenses were available for the first time in 1998. Because these new licenses included two harvest tags, fewer licenses having a single tag (archery and firearm licenses) were sold during the last three years (Table 2). The number of 2000 deer harvest tags sold for all license types combined decreased 4.3% since 1999. 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 3). Hunters most frequently purchased antlerless and combination harvest tags (Figure 4). About 47% of the license buyers purchased at least one antlerless license (383,521 people), and 99% of license buyers purchased three or fewer antlerless licenses (Figure 5).

About 93.4 ± 0.3% (758,291 ± 2,121 hunters) of the people buying a license in 2000 actually spent time hunting deer (Table 3). Most hunters (695,191 ± 2,990) pursued deer during the regular firearm season (Figure 6). Statewide, the number of people hunting deer during all seasons combined declined by 2.9%. Hunter numbers declined by 3.6% in the northern Lower Peninsula and 5.2% in the southern Lower Peninsula. In contrast, the number of hunters in the Upper Peninsula increased 4.0% between 1999 and 2000.

Although fewer people hunted deer during all of the seasons, the declines were greatest for the late antlerless (37% decline), early antlerless (37% decline), and muzzleloader (14% decline) seasons. The number of hunters participating in the regular firearm and archery seasons declined by about 4% statewide (Table 3). Most of this decline occurred because fewer people hunted in the Lower Peninsula.

About 46% of the days that hunters spent pursuing deer throughout the state occurred during the archery season (Figure 7). Likewise, 45% of the hunting effort occurred in the regular firearm season. Less than 10% of the hunting effort occurred in the muzzleloader, early antlerless, and late antlerless seasons. Statewide, hunters devoted an average of 14.1 days afield hunting deer during all seasons combined (Table 4). Archers had the greatest number

of days available to hunt deer (77 days) and devoted the greatest number of days afield ($\bar{x}$ = 14.4 days/hunter) (Figure 8, Table 4).

For all seasons and areas combined, hunting effort decreased by 9% between 1999 and 2000 (Table 3). Hunting effort declined for all seasons, but the declines were greatest for the late (44% decline) and early antlerless (42% decline) seasons. The number of days spent hunting declined 7% during archery season and declined 18% during muzzleloader season, while hunting effort in the regular firearm season declined by about 5%.

An estimated 541,701 deer were harvested in 2000, a decrease of nearly 1% from the number taken in 1999 (Figure 9, Tables 5-6). Despite the decline between 1999 and 2000, the number of deer taken in 2000 was the third highest number ever taken. During the last 37 years, the number of deer taken in the regular firearm season has almost tripled from 124,000 to 344,000 animals. During this same period, harvest in the archery season has increased from 2,100 to 129,000 animals. Moreover, about 29,000 deer were taken during the muzzleloader season and 25,000 deer in the late antlerless season in 2000, seasons that did not exist 37 years ago.

Between 1999 and 2000, deer harvest increased during the muzzleloader (18%) and regular firearm (4%) seasons but declined during archery (-10%), late antlerless (-30%), and early antlerless (-47%) seasons (Figures 10, Tables 5-6). Statewide, the antlered buck harvest increased 8% from last year, while the antlerless harvest decreased 8% (Table 5).

About 65% of the animals harvested (sexes combined) in 2000 were taken during the regular firearm season (Figure 11). Most of the antlerless deer (59%) and antlered bucks (69%) were harvested in the regular firearm season. Hunters took 24% of the harvested deer (sexes combined) during archery season. During the archery season, hunters took 21% of the antlerless deer and 27% 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 80% of the animals harvested (sexes combined) in 2000 were taken on private lands (Table 7). Statewide, most of the antlerless deer (83%) and antlered bucks (78%) were harvested on private lands. Overall, harvest declined 3% between 1999 and 2000 on private lands but increased 12% on public lands.

Statewide, 47% of the deer hunters harvested at least one deer (all deer seasons and sexes combined) in 2000 (Figure 12, Table 8). About 24% of the hunters took an antlerless deer and 32% took an antlered buck. About 16% of deer hunters harvested two or more deer.

Hunters were most successful in taking a deer during the regular firearm season (Figure 13, Table 9); about 39% of the hunters harvested a deer (sexes combined) during the regular firearm season. Hunter success was only slightly lower during the youth (36% successful) and archery (32%) seasons. Nearly 27% of the hunters took an antlered buck and 18% harvested an antlerless deer during the regular firearm season. Hunter success was lowest in the muzzleloader season (17% successful).

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Figure 1. Areas used to summarize deer harvest in Michigan for the 2000 hunting seasons.

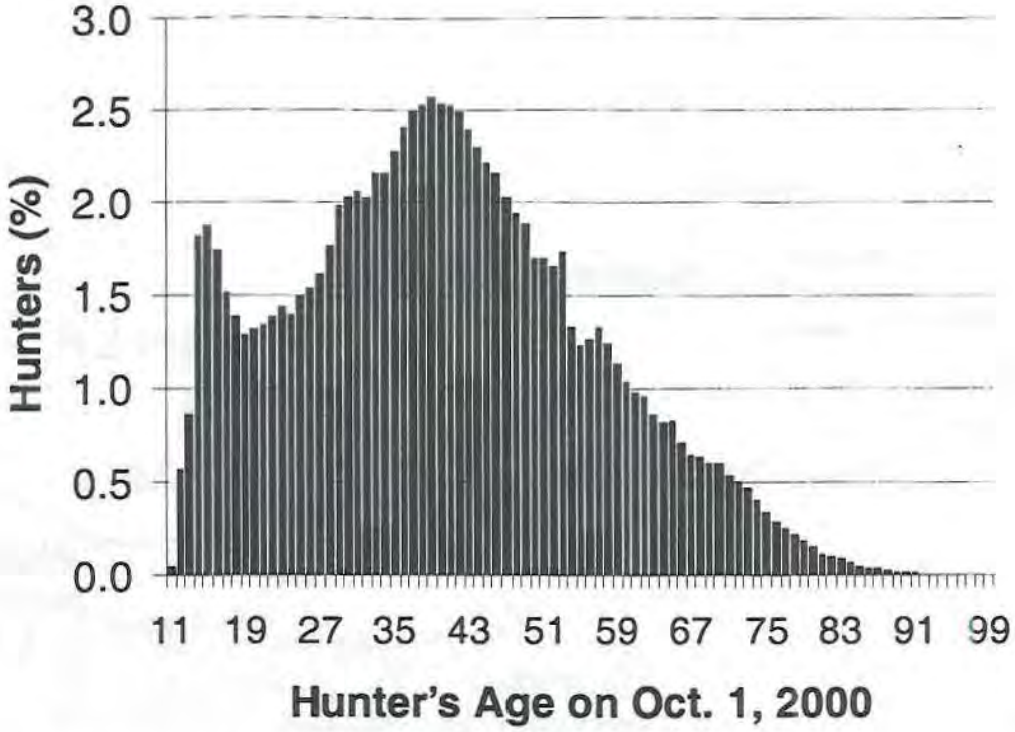

Figure 2. Age of people that purchased a deer hunting license in Michigan for the 2000 hunting seasons ($\bar{x}$ = 40 years).

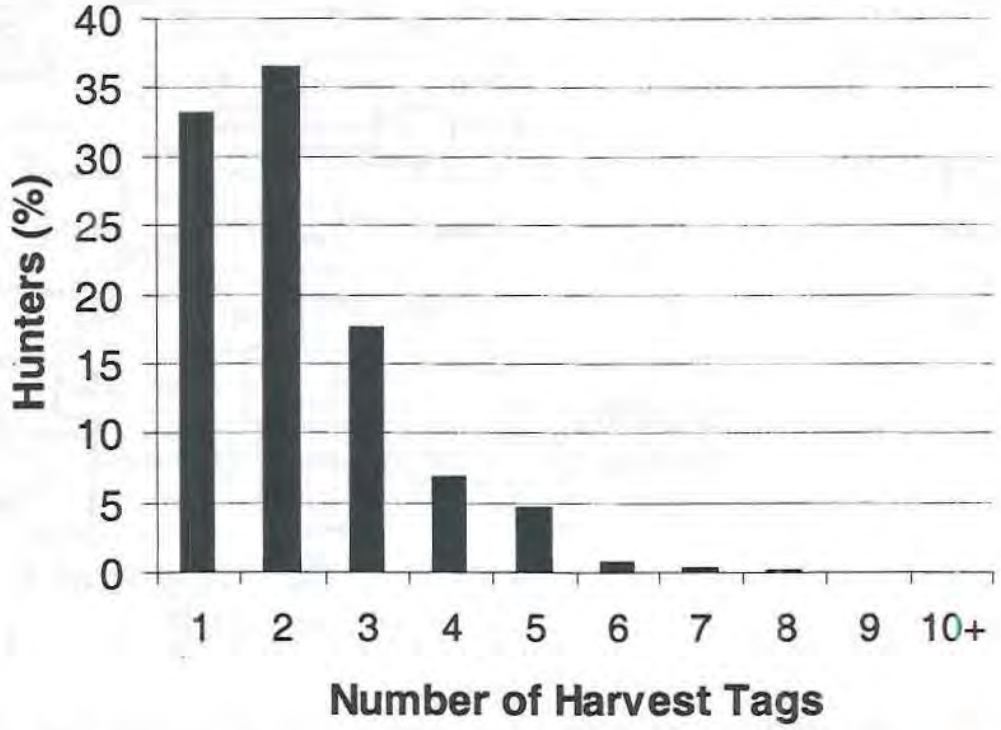

Figure 3. Number of harvest tags (all license and tag types) purchased per person for hunting deer in Michigan during the 2000 hunting seasons ($\bar{x}$ = 2.2 tags). Licenses were purchased by 811,400 people.

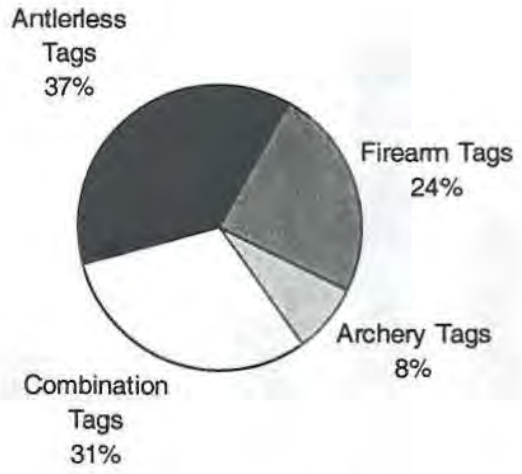

Figure 4. Types of harvest tags purchased for deer hunting in Michigan during the 2000 hunting seasons.

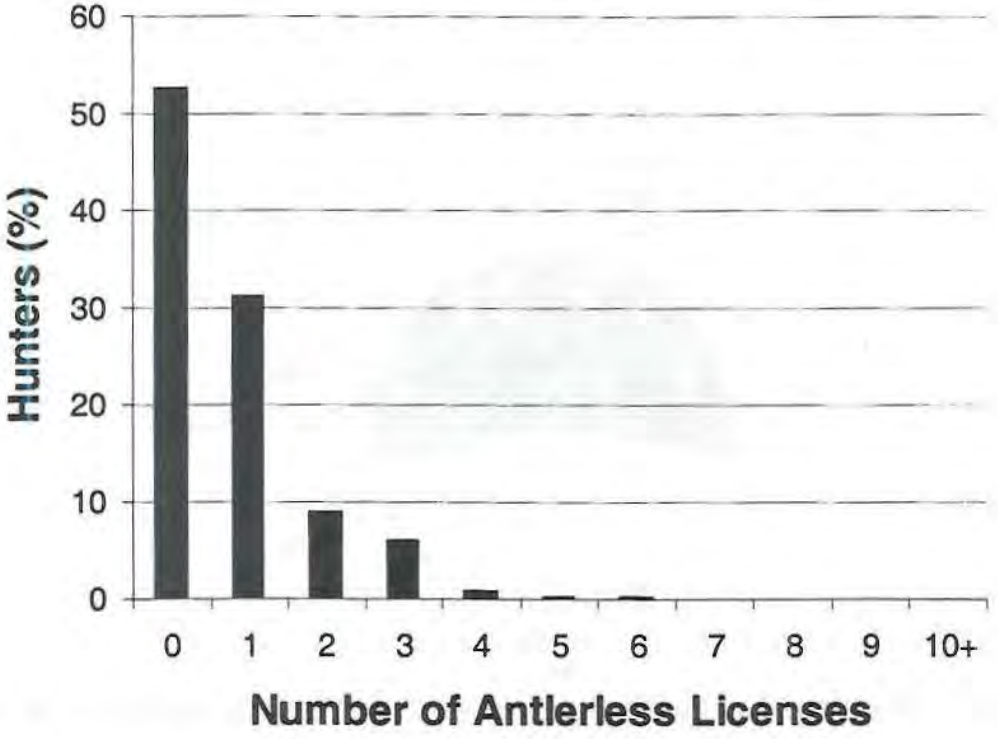

Figure 5. Percentage of deer hunting license buyers (all license types) purchasing an antlerless license in Michigan, 2000. Antlerless licenses were purchased by 383,521 of 811,400 people (47%) buying deer hunting licenses.

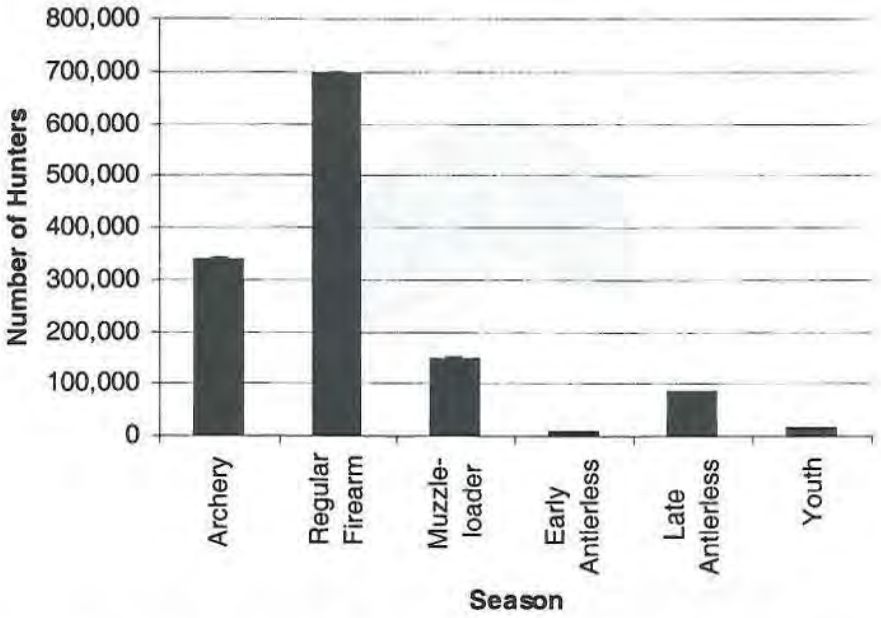

Figure 6. Number of people hunting deer in Michigan during the 2000 hunting seasons. Error bars represent the 95% confidence limits.

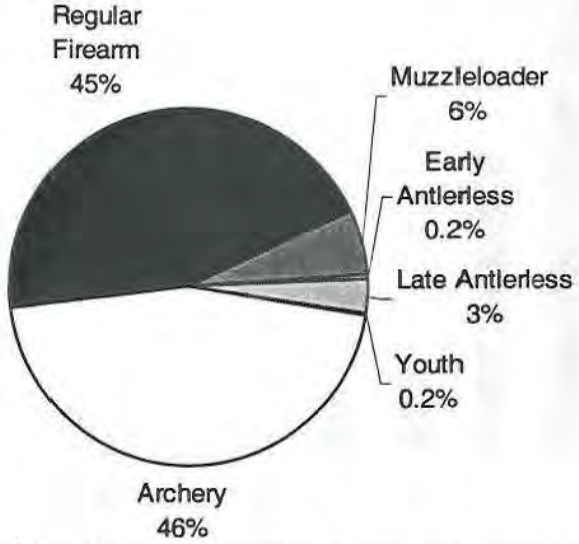

Figure 7. Distribution of hunting effort among deer hunting seasons in Michigan, 2000.

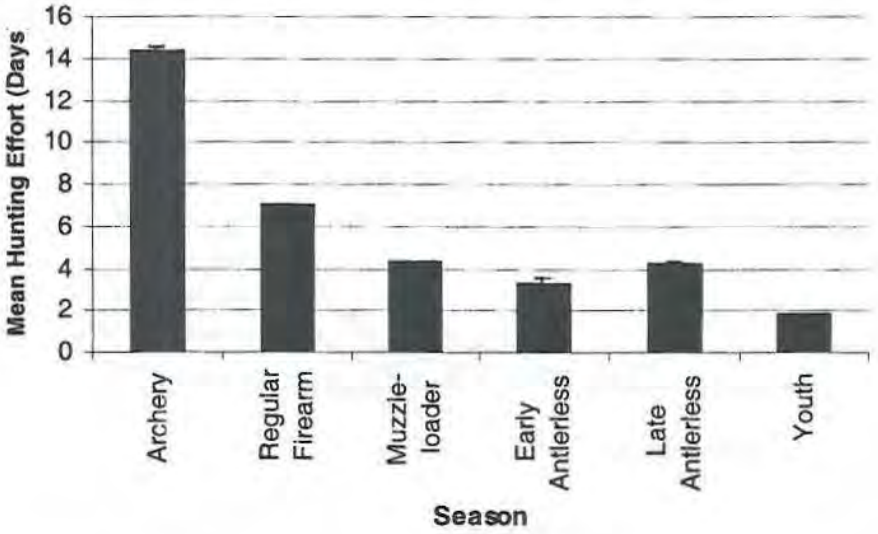

Figure 8. Mean number of days spent hunting deer in Michigan during the 2000 hunting seasons. Error bars represent the 95% confidence limits.

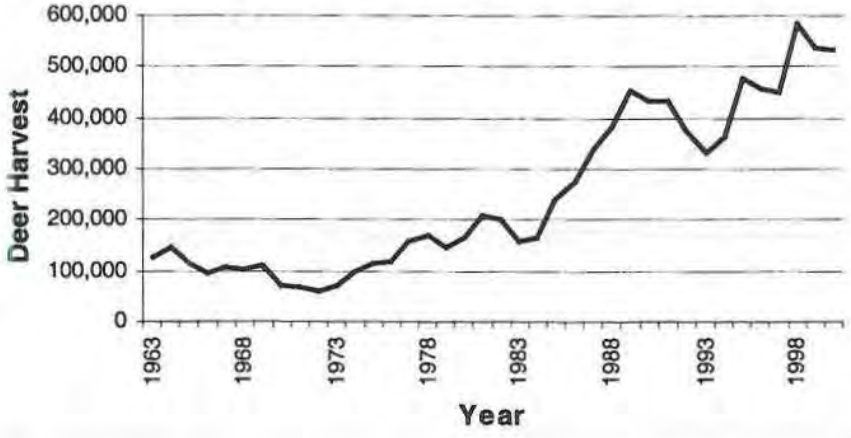

Figure 9. Number of deer harvested in Michigan's hunting seasons, 1963-2000. Harvest from all seasons and for all deer sexes was combined.

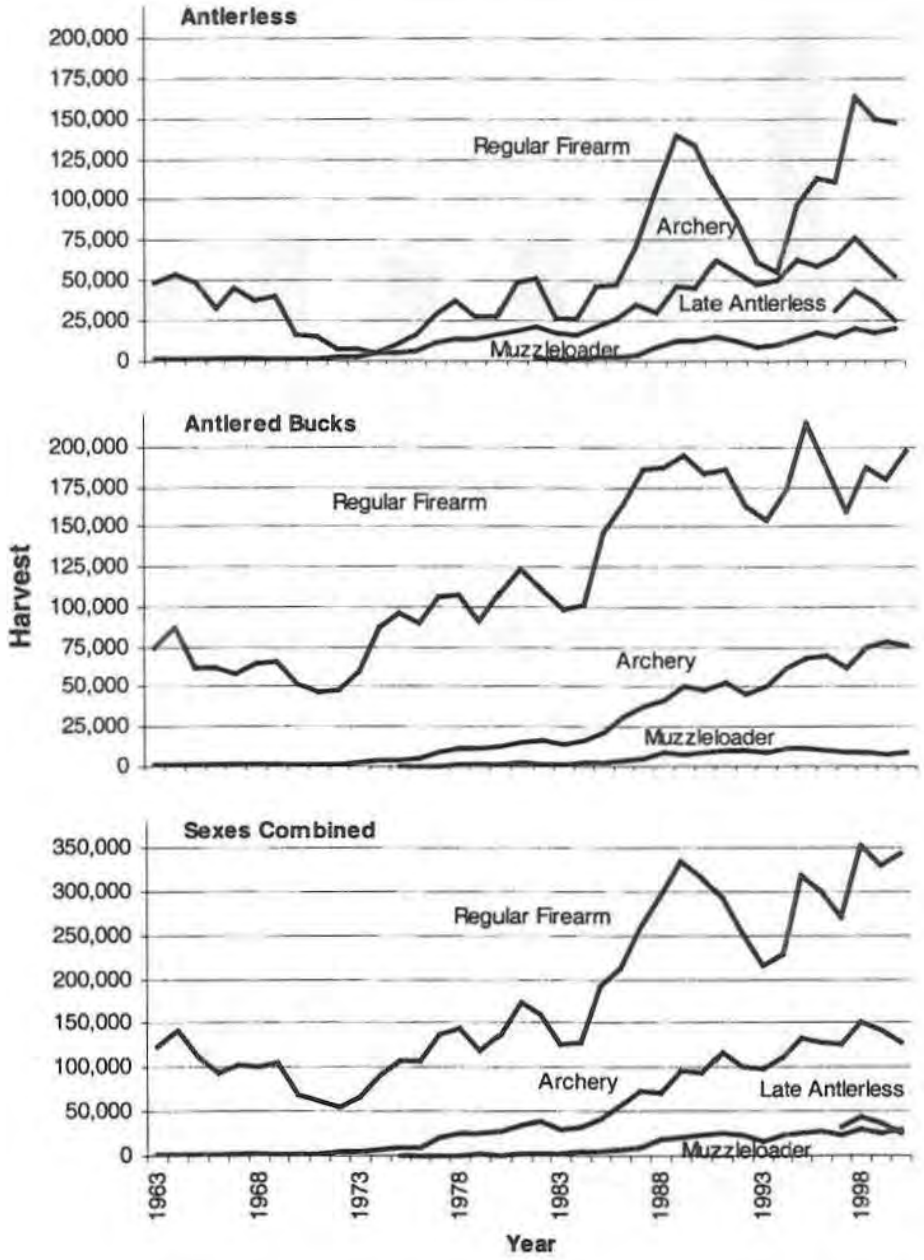

Figure 10. Number of deer harvested in Michigan's hunting seasons, 1963-2000. Harvest for early antlerless and youth seasons was not shown.

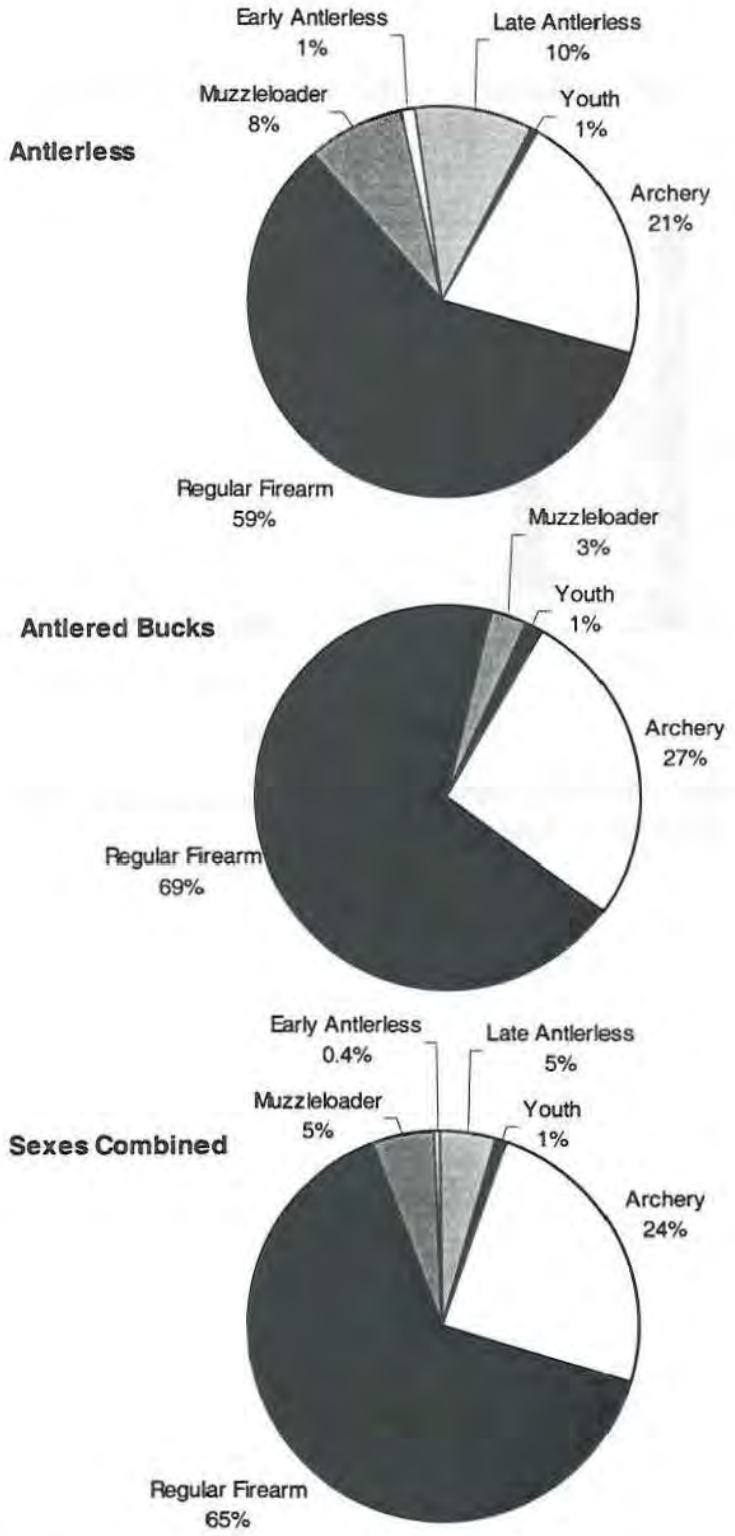

Figure 11. Distribution of harvest among deer hunting seasons in Michigan, 2000.

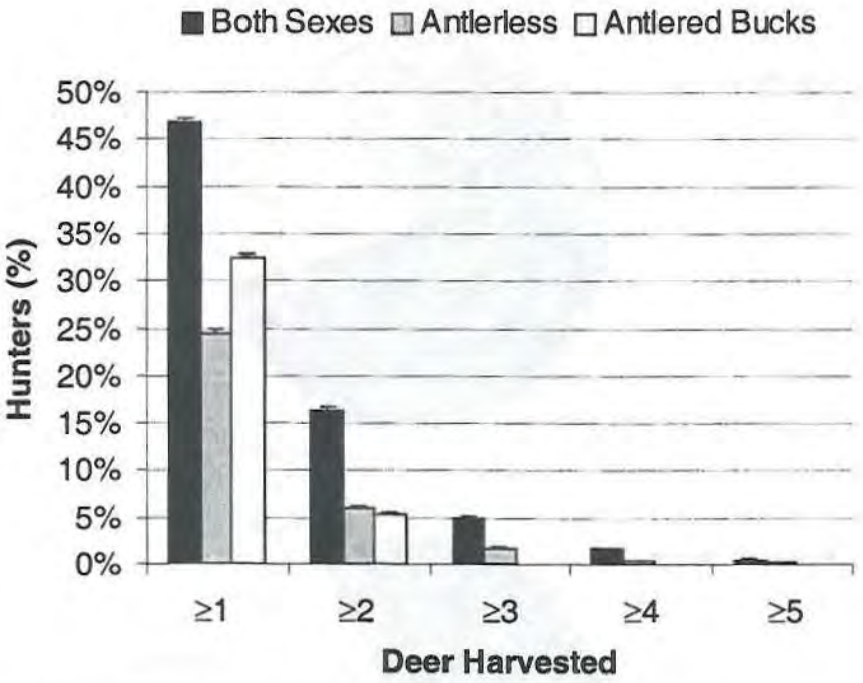

Figure 12. Percentage of hunters harvesting a deer in Michigan, 2000. Error bars represent the 95% confidence limits.

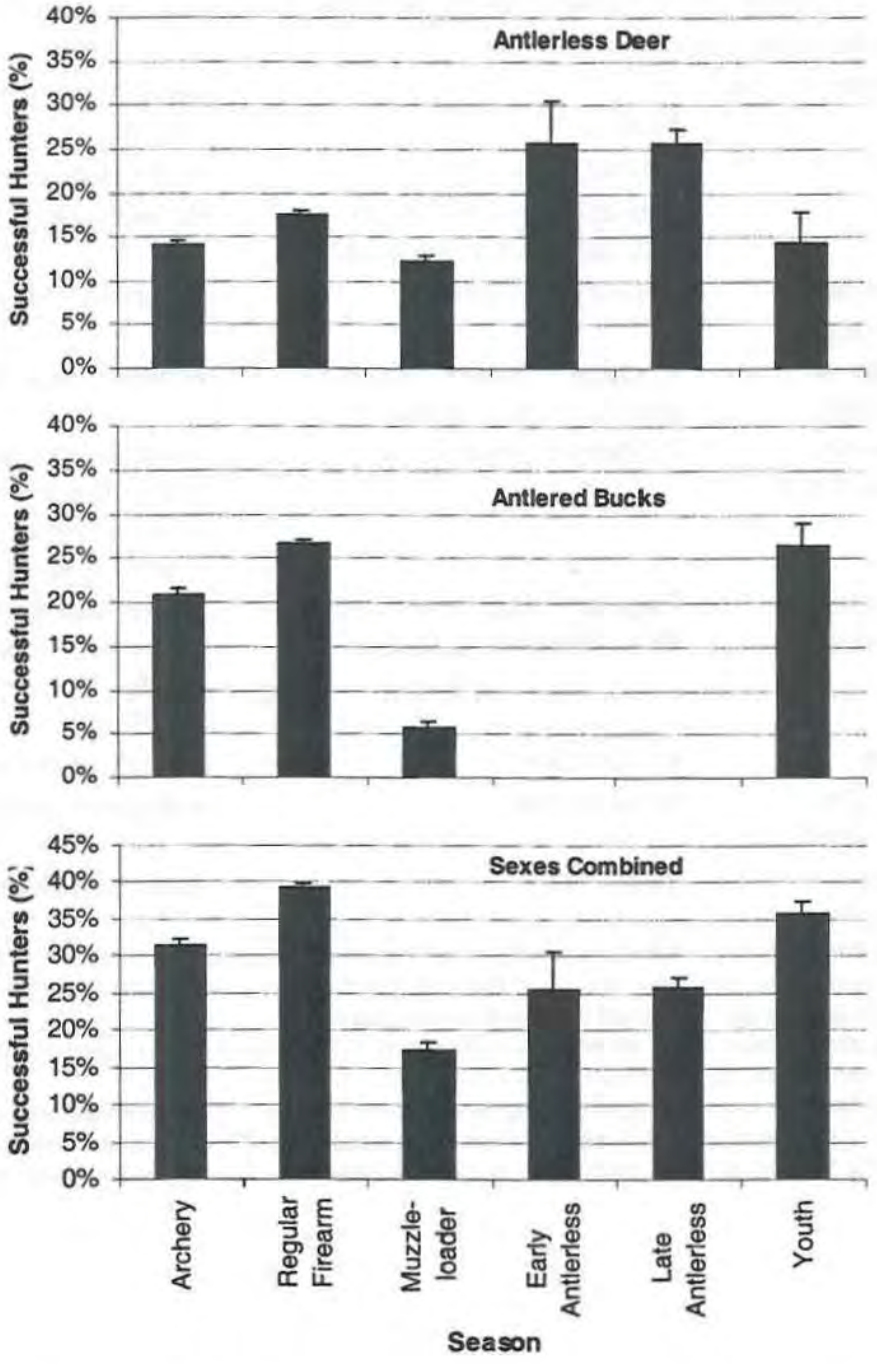

Figure 13. Percentage of hunters harvesting a deer in Michigan's deer hunting seasons, 2000. Error bars represent the 95% confidence limits.

Table 1. Kind of deer that can 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 can 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 seasons	Antlerless or antlered deer
Combination License (Regular harvest tag)	Regular Firearm, Youth, or Muzzleloading seasons	Antlered deer only
Combination License (Restricted harvest tag)	Archery seasons	Antlerless deer or a deer that has at least 1 antler with 4 or more antler points, 1 or more inches in length
Combination License (Restricted harvest tag)	Regular Firearm, Youth, or Muzzleloading seasons	A deer that has at least 1 antler with 4 or more antler points, 1 or more inches in length
Antlerless License	All seasons	Antlerless deer only
Crop Depredation Deer Hunting (Block) Permit[c]	All seasons	Antlerless deer only
Deer Management Assistance (DMA) Permit[c]	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]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, 1998-2000.

Licenses or Harvest Tags	Number purchased 1998	1999	2000	Change (%) Between 1999 and 2000
Firearm Licenses				
Resident	458,676	388,158	303,489	-21.8%
Non-resident	15,574	15,118	14,075	-6.9%
Senior	47,648	38,331	32,170	-16.1%
Military	92	19	31	63.2%
Archery Licenses				
Resident	170,693	118,688	67,372	-43.2%
Non-resident	4,242	4,162	3,695	-11.2%
Junior	18,989	16,129	10,173	-36.9%
Senior	13,214	6,232	3,209	-48.5%
Military	78	26	18	-30.8%
Combination Licenses[a]				
Resident	196,519	245,051	313,878	28.1%
Non-resident	741	1,069	1,516	41.8%
Junior	13,152	18,548	29,187	57.4%
Senior	11,926	20,042	25,707	28.3%
Military	N/A	115	147	27.8%
Antlerless Licenses				
Resident	644,829	674,617	573,558	-15.0%
Non-resident	6,417	8,473	6,695	-21.0%
Junior	16,786	8,839	10,509	18.9%
Block Permits	19,743	9,250	10,944	18.3%
Deer Management Assistance	747	723	1,186	64.0%
Harsens Island	76	125	58	-53.6%
Harvest Tags				
Firearm	521,990	441,626	349,765	-20.8%
Archery	207,216	145,237	84,467	-41.8%
Combination	444,674	569,650	740,869	30.1%
Antlerless	688,598	702,027	602,950	-14.1%
Total Harvest Tags	1,834,041	1,858,540	1,778,051	-4.3%

[a]Combination licenses included two harvest tags. All other license types had one harvest tag.
[NA]License type did not exist.

Table 3. Number of deer hunters and hunting efforts in Michigan by hunting season, 1999-2000.

Season and Area	Number of hunters[a] 1999	2000	95% CL[b]	Change from 1999 to 2000	Hunting efforts (days) 1999	2000	95% CL[b]	Change from 1999 to 2000
Archery								
West UP	27,236	28,337	1,572	4.0%	291,377	281,391	20,262	-3.4%
East UP	10,733	10,103	952	-5.9%	97,531	95,477	12,564	-2.1%
NE LP	60,337	55,479	2,164	-8.1%	571,632	530,363	28,397	-7.2%
NW LP	76,722	71,679	2,423	-6.6%	887,707	790,170	35,847	-11.0%
Sag. Bay	66,369	62,972	2,285	-5.1%	824,711	790,537	37,938	-4.1%
SW LP	61,548	58,426	2,203	-5.1%	886,207	838,659	40,205	-5.4%
SC LP	71,545	68,156	2,369	-4.7%	1,034,134	937,441	42,445	-9.4%
SE LP	43,597	40,039	1,854	-8.2%	552,269	505,174	30,663	-8.5%
UP	37,399	37,886	3,062	1.3%	388,908	376,867	23,841	-3.1%
NLP	157,456	146,485	4,149	-7.0%	1,725,327	1,582,060	50,414	-8.3%
SLP	205,541	196,339	4,174	-4.5%	3,031,332	2,810,283	73,126	-7.3%
Statewide[c]	351,077	337,611	4,213	-3.8%	5,145,567	4,769,211	92,094	-7.3%
Regular Firearm								
West UP	89,093	91,774	2,715	3.0%	659,662	643,028	22,347	-2.5%
East UP	29,753	30,873	1,642	3.8%	198,434	197,085	12,117	-0.7%
NE LP	137,866	130,648	3,152	-5.2%	809,881	771,652	23,048	-4.7%
NW LP	151,306	145,787	3,281	-3.6%	896,841	850,892	24,171	-5.1%
Sag. Bay	111,081	105,501	2,873	-5.0%	667,315	650,965	21,881	-2.5%
SW LP	110,606	102,468	2,833	-7.4%	739,280	677,090	23,057	-8.4%
SC LP	126,136	115,846	2,988	-8.2%	819,639	742,532	23,931	-9.4%
SE LP	48,464	44,545	1,947	-8.1%	278,435	257,900	13,570	-7.4%
UP	117,493	121,793	1,808	3.7%	858,096	840,113	25,421	-2.1%
NLP	320,754	307,306	3,290	-4.2%	1,922,567	1,835,977	35,518	-4.5%
SLP	343,502	319,531	3,656	-7.0%	2,288,823	2,115,054	40,264	-7.6%
Statewide[c]	721,980	695,191	2,990	-3.7%	5,069,487	4,791,145	59,666	-5.5%

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2000 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 efforts in Michigan by hunting season, 1999-2000.

Season and Area	Number of hunters[a] 1999	2000	95% CL[b]	Change from 1999 to 2000	Hunting efforts (days) 1999	2000	95% CL[b]	Change from 1999 to 2000
Muzzleloader								
West UP	14,366	13,847	1,112	-3.6%	69,859	68,190	6,038	-2.4%
East UP	5,177	4,448	635	-14.1%	22,655	19,715	3,239	-13.0%
NE LP	22,653	18,773	1,294	-17.1%	89,325	76,665	6,639	-14.2%
NW LP	25,550	20,456	1,342	-19.9%	99,682	77,541	5,837	-22.2%
Sag. Bay	28,115	23,953	1,448	-14.8%	117,926	93,631	6,493	-20.6%
SW LP	36,117	29,418	1,600	-18.5%	157,817	121,739	7,725	-22.9%
SC LP	36,568	30,389	1,626	-16.9%	154,461	123,863	7,605	-19.8%
SE LP	16,171	14,093	1,118	-12.8%	64,656	51,666	4,779	-20.1%
UP	19,424	18,071	1,268	-7.0%	92,514	87,905	6,852	-5.0%
NLP	55,042	45,279	1,970	-17.7%	217,392	179,918	9,495	-17.2%
SLP	105,976	88,884	2,673	-16.1%	466,476	365,185	13,057	-21.7%
Statewide[c]	174,505	149,443	3,320	-14.4%	776,381	633,008	17,665	-18.5%
Early Antlerless								
West UP	0	0	0		0	0	0	
East UP	0	0	0		0	0	0	
NE LP	10,875	6,893	787	-36.6%	38,373	21,898	2,950	-42.9%
NW LP	0	0	0		0	0	0	
Sag. Bay	0	0	0		0	0	0	
SW LP	0	0	0		0	0	0	
SC LP	0	0	0		0	0	0	
SE LP	0	0	0		0	0	0	
UP	0	0	0		0	0	0	
NLP	10,875	6,893	787	-36.6%	38,373	21,898	2,950	-42.9%
SLP	0	0	0		0	0	0	
Statewide[c]	10,875	6,893	787	-36.6%	38,373	21,898	2,950	-42.9%

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2000 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 efforts in Michigan by hunting season, 1999-2000.

Season and Area	Number of hunters[a] 1999	2000	95% CL[b]	Change from 1999 to 2000	Hunting efforts (days) 1999	2000	95% CL[b]	Change from 1999 to 2000
Late Antlerless								
West UP	0	0	0		0	0	0	
East UP	0	0	0		0	0	0	
NE LP	19,329	12,766	1,066	-34.0%	73,409	47,664	4,970	-35.1%
NW LP	19,163	11,490	1,003	-40.0%	72,567	44,035	5,343	-39.3%
Sag. Bay	21,727	14,151	1,109	-34.9%	93,775	55,940	5,592	-40.3%
SW LP	31,320	17,982	1,248	-42.6%	147,418	70,647	7,106	-52.1%
SC LP	31,154	19,983	1,316	-35.9%	138,931	78,531	6,570	-43.5%
SE LP	13,440	7,930	836	-41.0%	57,587	30,342	4,138	-47.3%
UP	0	0	0		0	0	0	
NLP	43,787	27,593	1,545	-37.0%	166,558	104,656	7,774	-37.2%
SLP	90,613	55,813	2,148	-38.4%	417,129	222,502	11,613	-46.7%
Statewide[c]	134,399	84,543	2,597	-37.1%	583,687	327,158	14,152	-43.9%
Youth								
West UP	0	1,048	121		0	1,832	235	
East UP	0	232	58		0	395	102	
NE LP	0	1,323	135		0	2,421	288	
NW LP	0	2,676	196		0	4,947	493	
Sag. Bay	0	2,467	179		0	4,516	407	
SW LP	0	2,462	179		0	4,355	421	
SC LP	0	2,511	180		0	4,458	405	
SE LP	0	975	117		0	1,734	297	
UP	0	1,279	133		0	2,226	256	
NLP	0	4,665	240		0	8,479	596	
SLP	0	7,652	268		0	13,953	752	
Statewide[c]	0	13,679	275		0	24,658	998	

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2000 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 efforts in Michigan by hunting season, 1999-2000.

Season and Area	Number of hunters[a]				Hunting efforts (days)			
	1999	2000	95% CL[b]	Change from 1999 to 2000	1999	2000	95% CL[b]	Change from 1999 to 2000
All Seasons								
West UP	98,781	102,603	2,848	3.9%	1,020,473	994,141	37,496	-2.6%
East UP	34,478	35,314	1,750	2.4%	318,513	312,615	21,949	-1.9%
NE LP	160,448	151,782	3,341	-5.4%	1,582,389	1,450,318	48,504	-8.3%
NW LP	174,007	169,983	3,476	-2.3%	1,957,048	1,767,844	55,335	-9.7%
Sag. Bay	132,476	126,576	3,097	-4.5%	1,703,924	1,595,766	58,236	-6.3%
SW LP	128,036	120,751	3,036	-5.7%	1,930,468	1,712,364	61,949	-11.3%
SC LP	146,961	137,399	3,202	-6.5%	2,147,267	1,886,790	64,874	-12.1%
SE LP	68,173	63,292	2,292	-7.2%	953,412	847,240	43,761	-11.1%
UP	130,861	136,090	3,202	4.0%	1,338,985	1,306,756	43,448	-2.4%
NLP	367,960	354,718	4,241	-3.6%	4,070,404	3,733,087	80,151	-8.3%
SLP	401,369	380,691	4,265	-5.2%	6,204,106	5,527,234	111,100	-10.9%
Statewide[c]	780,560	758,291	2,121	-2.9%	11,613,495	10,567,077	144,039	-9.0%

[a]Excludes people that did not hunt during the season.
[b]95% confidence limit for the 2000 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, 2000.[a]

	Season													
	Archery		Regular Firearm		Muzzleloader		Early Antlerless		Late Antlerless		Youth		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]
West UP	10.0	0.5	7.0	0.1	4.9	0.2	0.0	0.0	0.0	0.0	1.8	0.1	9.7	0.3
East UP	9.4	0.9	6.4	0.2	4.4	0.4	0.0	0.0	0.0	0.0	1.7	0.1	8.9	0.5
NE LP	9.7	0.4	5.9	0.1	4.1	0.2	3.3	0.2	3.9	0.3	1.9	0.1	9.6	0.2
NW LP	11.1	0.3	5.9	0.1	3.8	0.2	0.0	0.0	4.1	0.3	1.8	0.1	10.4	0.2
Sag. Bay	12.7	0.4	6.2	0.1	3.9	0.1	0.0	0.0	4.2	0.3	1.8	0.1	12.6	0.3
SW LP	14.6	0.4	6.7	0.1	4.1	0.1	0.0	0.0	4.2	0.3	1.8	0.1	14.3	0.4
SC LP	14.0	0.4	6.4	0.1	4.1	0.1	0.0	0.0	4.1	0.2	1.8	0.1	13.8	0.3
SE LP	12.7	0.5	5.8	0.2	3.7	0.2	0.0	0.0	4.3	0.4	1.8	0.2	13.4	0.5
UP	10.0	0.4	6.9	0.1	4.9	0.2	0.0	0.0	0.0	0.0	1.7	0.1	9.6	0.2
NLP	10.9	0.2	6.0	0.1	4.0	0.1	3.3	0.2	4.0	0.2	1.8	0.1	10.6	0.2
SLP	14.5	0.2	6.7	0.1	4.1	0.1	0.0	0.0	4.2	0.1	1.8	0.1	14.6	0.2
Statewide	14.4	0.2	7.0	0.0	4.3	0.1	3.3	0.2	4.2	0.1	1.8	0.0	14.1	0.1

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

Table 5. Number of deer harvested in Michigan, 1998-2000.

Season or permit	Type of deer[a]	1998	1999	2000	Change from 1999 to 2000
Season					
Archery	Antlerless	76,064	64,374	52,760	-18.0%
	Antlered bucks	74,949	78,241	76,166	-2.7%
	Sexes combined	151,013	142,615	128,926	-9.6%
Regular firearm	Antlerless	163,843	149,858	146,734	-2.1%
	Antlered bucks	187,632	180,157	197,290	9.5%
	Sexes combined	351,475	330,014	344,024	4.2%
Muzzleloader	Antlerless	19,765	17,120	20,187	17.9%
	Antlered bucks	9,319	7,480	8,830	18.0%
	Sexes combined	29,084	24,600	29,017	18.0%
Early antlerless	Antlerless	6,655	4,298	2,287	-46.8%
Late antlerless	Antlerless	44,084	36,046	25,129	-30.3%
Youth[b]	Antlerless	0	0	1,366	
	Antlered bucks	0	0	3,626	
	Sexes combined	0	0	4,992	
Special permits[c]	Antlerless	15,679	7,322	7,327	0.1%
Grand Total	Antlerless	326,090	279,017	255,790	-8.3%
	Antlered bucks	271,900	265,878	285,911	7.5%
	Sexes combined	597,990	544,895	541,701	-0.6%

[a]Refer to Hill (2001) for breakdown of harvest by age and sex of animal.
[b]Youth season did not occur prior to 2000.
[c]Includes deer harvested with Block Permits and Deer Management Assistance Permits. These permits could be used during any deer hunting season.

Table 6. Number of deer harvested in Michigan by hunting season, 1999-2000.[a]

Season and Area	Antlerless 1999 Harvest	Antlerless 2000 Harvest	Antlerless 95% CL[b]	Antlerless Change from 1999 to 2000	Antlered Bucks 1999 Harvest	Antlered Bucks 2000 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 1999 to 2000	Sexes Combined 1999 Harvest	Sexes Combined 2000 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 1999 to 2000
Archery												
West UP	6,301	7,065	908	12.1%	6,616	6,135	777	-7.3%	12,917	13,194	1,275	2.1%
East UP	1,933	2,551	531	32.0%	1,743	1,807	418	3.7%	3,677	4,356	728	18.5%
NE LP	6,779	5,112	722	-24.6%	7,069	6,626	785	-6.3%	13,848	11,737	1,096	-15.2%
NW LP	11,672	9,990	1,007	-14.4%	15,142	13,641	1,171	-9.9%	26,813	23,630	1,682	-11.9%
Sag. Bay	11,194	8,351	916	-25.4%	13,566	12,728	1,129	-6.2%	24,760	21,080	1,548	-14.9%
SW LP	8,831	7,067	900	-20.0%	11,918	13,158	1,160	10.4%	20,749	20,230	1,591	-2.5%
SC LP	12,316	8,048	917	-34.7%	16,097	15,665	1,239	-2.7%	28,413	23,719	1,686	-16.5%
SE LP	5,347	4,575	684	-14.4%	6,090	6,406	807	5.2%	11,437	10,980	1,151	-4.0%
UP	8,235	9,617	1,052	16.8%	8,359	7,942	882	-5.0%	16,594	17,550	1,468	5.8%
NLP	22,723	18,246	1,352	-19.7%	26,773	24,686	1,559	-7.8%	49,496	42,929	2,203	-13.3%
SLP	33,416	24,897	1,632	-25.5%	43,109	43,539	2,089	1.0%	76,525	68,447	2,876	-10.6%
Statewide	64,374	52,760	2,375	-18.0%	78,241	76,166	2,755	-2.7%	142,615	128,926	3,919	-9.6%
Regular Firearm												
West UP	12,837	20,084	1,782	56.5%	32,542	41,398	2,046	27.2%	45,403	61,485	3,008	35.4%
East UP	2,284	3,688	646	61.5%	7,021	9,576	986	36.4%	9,311	13,265	1,279	42.5%
NE LP	21,467	20,906	1,585	-2.6%	27,630	30,048	1,729	8.8%	49,099	50,954	2,564	3.8%
NW LP	25,601	27,698	1,825	8.2%	33,046	35,803	1,871	8.3%	58,650	63,501	2,886	8.3%
Sag. Bay	22,693	19,607	1,591	-13.6%	24,011	24,099	1,536	0.4%	46,699	43,706	2,403	-6.4%
SW LP	24,327	23,713	1,675	-2.5%	23,077	23,302	1,514	1.0%	47,395	47,013	2,509	-0.8%
SC LP	33,847	25,105	1,744	-25.8%	27,055	26,021	1,620	-3.8%	60,882	51,124	2,603	-16.0%
SE LP	6,803	5,933	849	-12.8%	5,775	7,044	814	22.0%	12,575	12,977	1,268	3.2%
UP	15,120	23,772	1,896	57.2%	39,564	50,974	2,271	28.8%	54,714	74,750	3,269	36.6%
NLP	53,895	55,075	2,565	2.2%	68,991	74,176	2,701	7.5%	122,891	129,251	4,090	5.2%
SLP	80,842	67,887	2,892	-16.0%	71,603	72,139	2,672	0.7%	152,408	140,023	4,315	-8.1%
Statewide	149,858	146,734	4,323	-2.1%	180,157	197,290	4,444	9.5%	330,014	344,024	6,812	4.2%

[a]Harvest estimates do not include deer taken with Block Permits or Deer Management Assistance Permits. An additional 7,327 deer were taken with these permits.

[b]95% confidence limit for the 2000 estimate.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 1999-2000.[a]

Season and Area	Antlerless 1999 Harvest	Antlerless 2000 Harvest	Antlerless 95% CL[b]	Antlerless Change from 1999 to 2000	Antlered Bucks 1999 Harvest	Antlered Bucks 2000 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 1999 to 2000	Sexes Combined 1999 Harvest	Sexes Combined 2000 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 1999 to 2000
Muzzleloader												
West UP	1,596	3,635	673	127.8%	1,034	1,461	372	41.3%	2,631	5,096	793	93.7%
East UP	339	615	296	81.5%	409	433	198	5.9%	748	1,048	356	40.1%
NE LP	1,644	2,278	534	38.5%	601	1,045	307	73.7%	2,245	3,323	631	48.0%
NW LP	2,104	2,594	511	23.3%	1,058	957	289	-9.6%	3,163	3,550	598	12.3%
Sag. Bay	2,491	2,866	547	15.1%	1,082	1,141	326	5.4%	3,573	4,006	651	12.1%
SW LP	3,555	3,363	562	-5.4%	1,419	1,813	419	27.8%	4,973	5,177	723	4.1%
SC LP	4,159	3,562	584	-14.4%	1,515	1,507	366	-0.5%	5,673	5,069	699	-10.7%
SE LP	1,233	1,274	356	3.3%	361	473	204	31.2%	1,593	1,748	438	9.7%
UP	1,935	4,250	735	119.7%	1,443	1,894	421	31.3%	3,380	6,144	869	81.8%
NLP	4,643	5,784	800	24.6%	1,924	2,286	451	18.8%	6,567	8,069	936	22.9%
SLP	10,543	10,154	995	-3.7%	4,113	4,649	657	13.0%	14,654	14,804	1,228	1.0%
Statewide	17,120	20,187	1,493	17.9%	7,480	8,830	910	18.0%	24,600	29,017	1,794	18.0%
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	4,298	2,287	561	-46.8%	0	0	0		4,298	2,287	561	-46.8%
NW LP	0	0	0		0	0	0		0	0	0	
Sag. Bay	0	0	0		0	0	0		0	0	0	
SW LP	0	0	0		0	0	0		0	0	0	
SC LP	0	0	0		0	0	0		0	0	0	
SE LP	0	0	0		0	0	0		0	0	0	
UP	0	0	0		0	0	0		0	0	0	
NLP	4,298	2,287	561	-46.8%	0	0	0		4,298	2,287	561	-46.8%
SLP	0	0	0		0	0	0		0	0	0	
Statewide	4,298	2,287	561	-46.8%	0	0	0		4,298	2,287	561	-46.8%

[a]Harvest estimates do not include deer taken with Block Permits or Deer Management Assistance Permits. An additional 7,327 deer were taken with these permits.

[b]95% confidence limit for the 2000 estimate.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 1999-2000.[a]

Season and Area	Antlerless 1999 Harvest	Antlerless 2000 Harvest	Antlerless 95% CL[b]	Antlerless Change from 1999 to 2000	Antlered Bucks 1999 Harvest	Antlered Bucks 2000 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 1999 to 2000	Sexes Combined 1999 Harvest	Sexes Combined 2000 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 1999 to 2000
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	4,581	4,279	731	-6.6%	0	0	0		4,581	4,279	731	-6.6%
NW LP	6,896	4,635	706	-32.8%	0	0	0		6,896	4,635	706	-32.8%
Sag. Bay	6,799	4,869	752	-28.4%	0	0	0		6,799	4,869	752	-28.4%
SW LP	7,016	4,327	675	-38.3%	0	0	0		7,016	4,327	675	-38.3%
SC LP	8,125	5,121	770	-37.0%	0	0	0		8,125	5,121	770	-37.0%
SE LP	2,628	1,897	506	-27.8%	0	0	0		2,628	1,897	506	-27.8%
UP	0	0	0		0	0	0		0	0	0	
NLP	13,695	10,529	1,107	-23.1%	0	0	0		13,695	10,529	1,107	-23.1%
SLP	22,351	14,599	1,295	-34.7%	0	0	0		22,351	14,599	1,295	-34.7%
Statewide	36,046	25,129	1,719	-30.3%	0	0	0		36,046	25,129	1,719	-30.3%
Youth[c]												
West UP	0	108	40		0	390	75		0	498	86	
East UP	0	20	17		0	78	34		0	98	38	
NE LP	0	191	53		0	361	72		0	551	91	
NW LP	0	313	68		0	902	114		0	1,215	134	
Sag. Bay	0	191	54		0	804	109		0	995	123	
SW LP	0	269	83		0	317	69		0	586	108	
SC LP	0	186	52		0	560	90		0	747	104	
SE LP	0	88	36		0	214	57		0	303	68	
UP	0	127	43		0	468	82		0	595	94	
NLP	0	588	93		0	1,555	151		0	2,142	178	
SLP	0	651	112		0	1,603	154		0	2,254	192	
Statewide	0	1,366	153		0	3,626	232		0	4,992	279	

[a]Harvest estimates do not include deer taken with Block Permits or Deer Management Assistance Permits. An additional 7,327 deer were taken with these permits.
[b]95% confidence limit for the 2000 estimate.
[c]Youth season did not exist before 2000.

Table 6 (continued). Number of deer harvested in Michigan by hunting season, 1999-2000.[a]

Season and Area	Antlerless 1999 Harvest	Antlerless 2000 Harvest	Antlerless 95% CL[b]	Antlerless Change from 1999 to 2000	Antlered Bucks 1999 Harvest	Antlered Bucks 2000 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 1999 to 2000	Sexes Combined 1999 Harvest	Sexes Combined 2000 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 1999 to 2000
All Seasons												
West UP	20,746	30,914	2,263	49.0%	40,175	49,347	2,305	22.8%	60,951	80,285	3,645	31.7%
East UP	4,562	6,884	961	50.9%	9,170	11,886	1,130	29.6%	13,739	18,777	1,669	36.7%
NE LP	38,803	35,064	2,221	-9.6%	35,291	38,061	2,017	7.9%	74,090	73,122	3,337	-1.3%
NW LP	46,271	45,245	2,483	-2.2%	49,249	51,310	2,338	4.2%	95,526	96,553	3,914	1.1%
Sag. Bay	43,174	35,867	2,271	-16.9%	38,667	38,785	2,066	0.3%	81,835	74,648	3,478	-8.8%
SW LP	43,702	38,724	2,364	-11.4%	36,416	38,598	2,092	6.0%	80,108	77,312	3,630	-3.5%
SC LP	58,421	42,002	2,435	-28.1%	44,676	43,774	2,241	-2.0%	103,079	85,768	3,781	-16.8%
SE LP	16,016	13,761	1,385	-14.1%	12,234	14,151	1,234	15.7%	28,245	27,909	2,097	-1.2%
UP	25,309	37,798	2,459	49.3%	49,345	61,233	2,567	24.1%	74,690	99,062	4,009	32.6%
NLP	99,289	92,530	3,561	-6.8%	97,684	102,699	3,313	5.1%	196,974	195,222	5,507	-0.9%
SLP	147,097	118,134	4,124	-19.7%	118,849	121,980	3,707	2.6%	265,909	240,090	6,332	-9.7%
Statewide	271,695	248,463	6,006	-8.6%	265,878	285,911	5,615	7.5%	537,573	534,374	9,337	-0.6%

[a]Harvest estimates do not include deer taken with Block Permits or Deer Management Assistance Permits. An additional 7,327 deer were taken with these permits.

[b]95% confidence limit for the 2000 estimate.

Table 7. Number of deer harvested on public and private lands during all seasons combined in Michigan by management region, 1999-2000.[a]

Season and Area	Antlerless 1999 Harvest	Antlerless 2000 Harvest	Antlerless 95% CL[b]	Antlerless Change from 1999 to 2000	Antlered Bucks 1999 Harvest	Antlered Bucks 2000 Harvest	Antlered Bucks 95% CL[b]	Antlered Bucks Change from 1999 to 2000	Sexes Combined 1999 Harvest	Sexes Combined 2000 Harvest	Sexes Combined 95% CL[b]	Sexes Combined Change from 1999 to 2000
Public Lands												
West UP	3,864	9,131	1,066	136.3%	15,616	20,421	1,473	30.8%	19,496	29,556	1,976	51.6%
East UP	768	2,144	517	179.1%	3,390	4,860	718	43.4%	4,161	7,004	940	68.3%
NE LP	11,014	11,031	1,192	0.2%	11,128	11,984	1,126	7.7%	22,127	23,012	1,787	4.0%
NW LP	7,176	7,547	880	5.2%	13,133	13,058	1,137	-0.6%	20,311	20,606	1,529	1.5%
Sag. Bay	5,040	4,141	695	-17.8%	5,539	4,858	709	-12.3%	10,573	8,998	1,088	-14.9%
SW LP	3,192	3,395	639	6.4%	2,962	2,803	537	-5.4%	6,148	6,196	878	0.8%
SC LP	4,728	3,280	618	-30.6%	3,296	3,018	575	-8.4%	8,014	6,298	925	-21.4%
SE LP	1,512	1,384	378	-8.5%	1,028	1,411	387	37.3%	2,535	2,795	582	10.2%
UP	4,632	11,275	1,185	143.4%	19,006	25,281	1,638	33.0%	23,657	36,561	2,188	54.5%
NLP	19,606	19,791	1,523	0.9%	26,720	27,518	1,684	3.0%	46,314	47,308	2,444	2.1%
SLP	13,056	10,988	1,138	-15.8%	10,366	9,614	998	-7.3%	23,394	20,597	1,645	-12.0%
Statewide	37,294	42,053	2,248	12.8%	56,092	62,412	2,561	11.3%	93,365	104,466	3,682	11.9%
Private Lands												
West UP	16,881	21,772	1,889	29.0%	24,536	28,922	1,753	17.9%	41,429	50,705	2,897	22.4%
East UP	3,795	4,737	784	24.8%	5,774	7,025	856	21.7%	9,572	11,767	1,318	22.9%
NE LP	27,787	24,018	1,848	-13.6%	24,152	26,076	1,663	8.0%	51,936	50,095	2,756	-3.5%
NW LP	39,097	37,698	2,308	-3.6%	36,108	38,251	2,030	5.9%	75,204	75,944	3,543	1.0%
Sag. Bay	38,136	31,732	2,152	-16.8%	33,136	33,928	1,930	2.4%	71,273	65,659	3,272	-7.9%
SW LP	40,515	35,339	2,258	-12.8%	33,472	35,797	2,012	6.9%	73,984	71,131	3,473	-3.9%
SC LP	53,698	38,733	2,338	-27.9%	41,401	40,758	2,159	-1.6%	95,092	79,489	3,633	-16.4%
SE LP	14,506	12,380	1,323	-14.7%	11,213	12,740	1,168	13.6%	25,716	25,119	1,987	-2.3%
UP	20,676	26,509	2,046	28.2%	30,310	35,948	1,951	18.6%	51,001	62,471	3,182	22.5%
NLP	79,684	72,727	3,193	-8.7%	70,946	75,178	2,836	6.0%	150,626	147,899	4,847	-1.8%
SLP	134,055	107,173	3,937	-20.1%	108,536	112,373	3,555	3.5%	242,579	219,538	6,048	-9.5%
Statewide	234,415	206,410	5,492	-11.9%	209,792	223,499	4,965	6.5%	444,206	429,908	8,411	-3.2%

[a]Harvest estimates do not include deer taken with Block Permits or Deer Management Assistance Permits. An additional 7,327 deer were taken with these permits.

[b]95% confidence limit for the 2000 estimate.

Table 8. Percentage of deer hunters harvesting deer in Michigan during all seasons, 2000.[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	21.9%	1.2%	5.4%	0.7%	1.5%	0.4%	0.4%	0.2%	0.2%	0.1%
East UP	15.3%	1.8%	3.1%	0.9%	0.7%	0.4%	0.2%	0.2%	0.0%	0.0%
NE LP	17.9%	0.9%	3.6%	0.5%	1.0%	0.2%	0.3%	0.1%	0.1%	0.1%
NW LP	20.9%	0.9%	4.1%	0.5%	1.0%	0.2%	0.2%	0.1%	0.1%	0.1%
Sag. Bay	21.7%	1.1%	4.6%	0.6%	1.3%	0.3%	0.2%	0.1%	0.0%	0.1%
SW LP	23.4%	1.2%	6.4%	0.7%	1.6%	0.3%	0.2%	0.1%	0.1%	0.1%
SC LP	22.9%	1.1%	5.6%	0.6%	1.6%	0.3%	0.1%	0.1%	0.0%	0.0%
SE LP	16.8%	1.4%	3.5%	0.7%	1.0%	0.4%	0.1%	0.1%	0.0%	0.1%
UP	20.4%	1.0%	4.9%	0.6%	1.4%	0.3%	0.4%	0.2%	0.1%	0.1%
NLP	20.3%	0.6%	4.1%	0.3%	1.0%	0.2%	0.2%	0.1%	0.1%	0.0%
SLP	22.8%	0.6%	5.9%	0.4%	1.7%	0.2%	0.2%	0.1%	0.1%	0.0%
Statewide	24.4%	0.5%	6.1%	0.3%	1.7%	0.1%	0.3%	0.1%	0.1%	0.0%
Antlered Bucks[c]										
West UP	42.1%	1.5%	5.2%	0.7%						
East UP	29.9%	2.3%	3.2%	0.9%						
NE LP	22.2%	1.0%	2.4%	0.4%						
NW LP	26.2%	1.0%	3.2%	0.4%						
Sag. Bay	25.9%	1.2%	3.8%	0.5%						
SW LP	26.9%	1.2%	4.5%	0.6%						
SC LP	26.3%	1.1%	4.8%	0.6%						
SE LP	19.4%	1.5%	2.5%	0.6%						
UP	39.7%	1.3%	4.9%	0.6%						
NLP	25.5%	0.7%	3.2%	0.3%						
SLP	27.0%	0.7%	4.8%	0.3%						
Statewide	32.3%	0.5%	5.3%	0.2%						

[a]Excludes people that did not hunt during the season and deer taken with Block Permits or Deer Management Assistance 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, 2000.[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	54.7%	1.5%	16.1%	1.1%	4.1%	0.6%	1.4%	0.4%	0.2%	0.2%
East UP	39.6%	2.5%	9.7%	1.5%	2.2%	0.7%	0.9%	0.5%	0.1%	0.1%
NE LP	34.7%	1.2%	9.4%	0.7%	2.5%	0.4%	0.8%	0.2%	0.1%	0.1%
NW LP	39.2%	1.1%	12.3%	0.8%	3.4%	0.4%	1.0%	0.2%	0.1%	0.1%
Sag. Bay	40.6%	1.3%	12.9%	0.9%	3.5%	0.5%	1.0%	0.3%	0.2%	0.2%
SW LP	41.7%	1.3%	14.7%	1.0%	4.5%	0.6%	1.7%	0.3%	0.2%	0.2%
SC LP	41.5%	1.3%	14.1%	0.9%	4.3%	0.5%	1.3%	0.3%	0.2%	0.2%
SE LP	31.3%	1.7%	8.7%	1.1%	2.7%	0.6%	0.8%	0.3%	0.0%	0.0%
UP	51.4%	1.3%	14.8%	0.9%	3.7%	0.5%	1.4%	0.3%	0.1%	0.1%
NLP	38.4%	0.8%	11.6%	0.5%	3.1%	0.3%	1.0%	0.2%	0.1%	0.1%
SLP	41.5%	0.8%	14.4%	0.5%	4.5%	0.3%	1.4%	0.2%	0.0%	0.0%
Statewide	46.7%	0.5%	16.3%	0.4%	5.0%	0.2%	1.6%	0.1%	0.5%	0.1%

[a]Excludes people that did not hunt during the season and deer taken with Block Permits or Deer Management Assistance 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, 2000.[a]

Sex and Area	Archery Success	Archery 95% CL[b]	Regular Firearm Success	Regular Firearm 95% CL[b]	Muzzleloader Success	Muzzleloader 95% CL[b]	Early Antlerless Success	Early Antlerless 95% CL[b]	Late Antlerless Success	Late Antlerless 95% CL[b]	Youth Success	Youth 95% CL[b]	All Seasons Success	All Seasons 95% CL[b]
Antlerless														
West UP	21.7%	2.3%	16.8%	1.2%	21.6%	3.3%	0.0%	0.0%	0.0%	0.0%	10.1%	3.6%	21.9%	1.2%
East UP	22.5%	4.0%	10.5%	1.7%	10.1%	4.3%	0.0%	0.0%	0.0%	0.0%	8.3%	7.0%	15.3%	1.8%
NE LP	8.6%	1.1%	13.9%	0.9%	10.0%	2.1%	25.6%	5.0%	27.4%	3.8%	14.2%	3.7%	17.9%	0.9%
NW LP	13.0%	1.2%	16.2%	0.9%	11.6%	2.1%	0.0%	0.0%	35.3%	4.2%	11.4%	2.4%	20.9%	0.9%
Sag. Bay	12.4%	1.2%	15.8%	1.1%	10.7%	1.9%	0.0%	0.0%	28.8%	3.6%	7.4%	2.0%	21.7%	1.1%
SW LP	10.8%	1.2%	19.2%	1.2%	10.8%	1.7%	0.0%	0.0%	21.2%	2.9%	9.4%	2.3%	23.4%	1.2%
SC LP	10.8%	1.1%	18.0%	1.1%	10.9%	1.7%	0.0%	0.0%	21.8%	2.8%	7.3%	2.0%	22.9%	1.1%
SE LP	10.4%	1.5%	11.6%	1.4%	8.3%	2.2%	0.0%	0.0%	18.7%	4.2%	8.9%	3.5%	16.8%	1.4%
UP	22.2%	2.0%	15.3%	1.0%	18.9%	2.8%	0.0%	0.0%	0.0%	0.0%	9.8%	3.2%	20.4%	1.0%
NLP	11.7%	0.8%	15.4%	0.6%	11.2%	1.4%	25.6%	5.0%	32.2%	2.7%	12.3%	1.9%	20.3%	0.6%
SLP	11.4%	0.7%	17.7%	0.6%	10.6%	1.0%	0.0%	5.0%	22.2%	1.7%	7.9%	1.9%	22.8%	0.6%
Statewide	14.1%	0.6%	17.7%	0.4%	12.2%	0.8%	25.6%	5.0%	25.8%	1.4%	14.2%	3.7%	24.4%	0.5%
Antlered Bucks														
West UP	20.6%	2.3%	41.8%	1.6%	9.8%	2.4%	0.0%	0.0%	0.0%	0.0%	36.9%	5.7%	42.1%	1.5%
East UP	17.3%	3.6%	29.0%	2.5%	9.5%	4.2%	0.0%	0.0%	0.0%	0.0%	33.3%	11.9%	29.9%	2.3%
NE LP	11.8%	1.3%	21.6%	1.1%	5.3%	1.6%	0.0%	0.0%	0.0%	0.0%	27.0%	4.7%	22.2%	1.0%
NW LP	17.8%	1.4%	23.2%	1.1%	4.6%	1.4%	0.0%	0.0%	0.0%	0.0%	33.2%	3.6%	26.2%	1.0%
Sag. Bay	18.9%	1.5%	21.6%	1.2%	4.5%	1.3%	0.0%	0.0%	0.0%	0.0%	31.7%	3.6%	25.9%	1.2%
SW LP	20.8%	1.6%	21.4%	1.2%	5.8%	1.3%	0.0%	0.0%	0.0%	0.0%	12.5%	2.6%	26.9%	1.2%
SC LP	21.8%	1.5%	20.8%	1.1%	4.9%	1.2%	0.0%	0.0%	0.0%	0.0%	22.1%	3.2%	26.3%	1.1%
SE LP	14.8%	1.7%	15.4%	1.6%	3.3%	1.4%	0.0%	0.0%	0.0%	0.0%	21.3%	5.0%	19.4%	1.5%
UP	20.1%	2.0%	38.8%	1.3%	9.9%	2.1%	0.0%	0.0%	0.0%	0.0%	36.2%	5.2%	39.7%	1.3%
NLP	16.0%	0.9%	22.7%	0.7%	4.9%	1.0%	0.0%	0.0%	0.0%	0.0%	32.7%	2.7%	25.5%	0.7%
SLP	20.6%	0.9%	21.1%	0.7%	5.0%	0.7%	0.0%	0.0%	0.0%	0.0%	20.6%	1.8%	27.0%	0.7%
Statewide	21.0%	0.7%	26.7%	0.5%	5.8%	0.6%	0.0%	0.0%	0.0%	0.0%	26.4%	2.7%	32.3%	0.5%

[a]Excludes people that did not hunt during the season and deer taken with Block Permits or Deer Management Assistance Permits.
[b]95% confidence limit.

Table 9 (continued). Percentage of deer hunters harvesting at least one deer in Michigan by hunting season, 2000.[a]

Sex and Area	Season													
	Archery		Regular Firearm		Muzzleloader		Early Antlerless		Late Antlerless		Youth		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]
Sexes combined														
West UP	39.1%	2.8%	52.0%	1.6%	30.7%	3.7%	0.0%	0.0%	0.0%	0.0%	46.5%	5.9%	54.7%	1.5%
East UP	36.1%	4.6%	36.1%	2.6%	19.6%	5.7%	0.0%	0.0%	0.0%	0.0%	41.7%	12.4%	39.6%	2.5%
NE LP	19.6%	1.6%	31.9%	1.2%	14.8%	2.5%	25.6%	5.0%	27.4%	3.8%	40.5%	5.2%	34.7%	1.2%
NW LP	27.8%	1.6%	34.6%	1.2%	15.8%	2.4%	0.0%	0.0%	35.3%	4.2%	44.4%	3.8%	39.2%	1.1%
Sag. Bay	28.8%	1.7%	33.7%	1.4%	14.8%	2.2%	0.0%	0.0%	28.8%	3.6%	38.9%	3.8%	40.6%	1.3%
SW LP	28.5%	1.8%	35.4%	1.4%	15.8%	2.0%	0.0%	0.0%	21.2%	2.9%	21.8%	3.2%	41.7%	1.3%
SC LP	29.1%	1.7%	34.7%	1.3%	15.5%	2.0%	0.0%	0.0%	21.8%	2.8%	29.4%	3.5%	41.5%	1.3%
SE LP	22.6%	2.0%	24.5%	1.9%	10.7%	2.5%	0.0%	0.0%	18.7%	4.2%	29.7%	5.6%	31.3%	1.7%
UP	38.8%	2.4%	48.2%	1.4%	28.2%	3.2%	0.0%	0.0%	0.0%	0.0%	45.7%	5.3%	51.4%	1.3%
NLP	25.6%	1.1%	33.9%	0.8%	15.6%	1.6%	25.6%	5.0%	32.2%	2.7%	44.7%	2.9%	38.4%	0.8%
SLP	28.7%	1.0%	34.5%	0.8%	14.9%	1.1%	0.0%	0.0%	22.2%	1.7%	28.3%	2.0%	41.5%	0.8%
Statewide	31.6%	0.8%	39.3%	0.6%	17.4%	0.9%	25.6%	5.0%	25.8%	1.4%	35.8%	1.6%	46.7%	0.5%

[a]Excludes people that did not hunt during the season and deer taken with Block Permits or Deer Management Assistance Permits.
[b]95% confidence limit.