

HumanDimensions
Research Program



ILLINOIS
NATURAL
HISTORY
SURVEY



ILLINOIS
DEPARTMENT OF
NATURAL
RESOURCES

Federal Aid Project
Number W-112-R-15
Job Number 101.1
Wildlife Restoration
Oct. 1, 2005-Sept. 30, 2006

Sam Flood, Acting Director
Illinois Department of Natural
Resources

Paul Vehlow
Federal Aid Coordinator

John E. Buhnerkempe
Chief, Division of Wildlife
Resources

Results of the 2005-2006 Illinois Hunter Harvest Survey



William L. Anderson
Program Leader and Principal Investigator
Human Dimensions Research Program
Illinois Natural History Survey

Prepared by
Stacy A. Lischka,
William L. Anderson
and **Linda K. Campbell**



November 28, 2006

LIST OF TABLES AND APPENDICES

	<u>Page</u>
Table 1	Number of resident hunting licenses purchased in Illinois, 1938-2005.....11
Table 2	Statewide summary12
Table 3	Estimated licensed hunters and harvest with confidence intervals.....13
Table 4	Rabbit WMU ^a13
Table 5	Quail WMU14
Table 6	Pheasant WMU14
Table 7	Dove WMU15
Table 8	Gray Partridge WMU15
Table 9	Woodcock WMU.....16
Table 10	Fox Squirrel WMU.....16
Table 11	Gray Squirrel WMU17
Table 12	Raccoon WMU17
Table 13	Red Fox WMU18
Table 14	Gray Fox WMU18
Table 15	Coyote WMU.....19
Table 16	Opossum WMU.....19
Table 17	Percent change in harvest from 2004 to 2005 in Wildlife Management Units.....20
Tables 18.....	Rabbit AR ^b20
Tables 19-20-21.....	Quail/Pheasant/Dove AR21
Tables 22-23-24.....	Gray Partridge/Woodcock/Fox Squirrel AR.....22
Tables 25-26-27.....	Gray Squirrel/Raccoon/Red Fox AR.....23
Table 28-29-30.....	Gray Fox/Coyote/Opossum AR.....24
Table 31	Percent change in harvest from 2004 to 2005 in Administrative Regions25
Table 32	Distribution of hunting effort and success in 2005.....26
Table 33	Statewide estimates of effort, harvest and days hunted by species, 1995-200528
Table 34	Percent change in statewide harvest (1-year, 5-year, 10-year)31
Table 35	Number of days spent hunting doves during each segment of the 2005 dove season31
Table 36	Number of doves harvested during each segment of the 2005 dove season.....32
Table 37	Preference of all respondents for dove hunting season structure.....32
Table 38	Preference of dove hunters for dove hunting season structure32
Table 39	Days spent hunting doves on lands of different ownership and use.....32
Table 40	Number of doves harvested on public and private lands32
Table 41	Types of crops planted on private lands used for dove hunting32
Table 42	Types of crops planted on public lands used for dove hunting.....33
Table 43	Number of days spent hunting late season doves while hunting upland game33
Table 44	Frequency of use of rotating wing decoys by all respondents.....33
Table 45	Frequency of use of rotating wing decoys by dove hunters.....33
Table 46	Number of doves harvested with non-toxic and lead shot on private and public lands.....33
Table 47	Gauge of shotgun used most when hunting doves by all respondents34
Table 48	Gauge of shotgun used most when hunting doves by respondents who hunted doves in 200534
Table 49	Attitudes of all respondents toward the use of non-toxic shot to harvest doves34
Table 50	Attitudes of dove hunters toward the use of non-toxic shot to harvest doves34
Table 51	Beliefs of respondents about human's relationship to natural resources35
Table 52	Change in hunting participation over previous 10 years35
Table 53	Magnitude of change in hunting pattern over previous 10 years.....35
Table 54	Satisfaction of respondents with current level of hunting participation35
Table 55	Importance to respondents of maintaining or increasing own hunting participation35
Table 56	Change in hunting participation by hunting partners over previous 10 years.....36
Table 57	Type of land hunted (private, public, leased)36
Table 58	Typology of hunting motivations36
Table 59	Motivations of respondents for participation in hunting36
Table 60	Reasons for change in hunting participation over previous 10 years36
Table 61	Barriers to hunting participation.....37
Table 62	Number of adults and children per household of respondents37
Table 63	Age of respondents to the 2005-2006 IL Hunter Harvest Survey.....37
Table 64	Participation in hunting by children of respondents37
Table 65	Number of children at home of respondents who hunt with various others37
Table 66	Reasons children at home do not participate in Hunting.....38
Table 67	Incentives preferred to encourage hunting participation by non-hunting children.....38
Appendix A	2005-2006 IL Hunter Harvest Survey instrument and cover letters.....39
Figure 1.....	Cover letter #1 sent with the 2005-2006 IL Hunter Harvest Survey.....39
Figure 2.....	Cover letter #2 sent with the 2005-2006 IL Hunter Harvest Survey.....40
Figure 3.....	2005-2006 IL Hunter Harvest reminder postcard41
Figure 4.....	2005-2006 IL Hunter Harvest Survey instrument42

Appendix B.....	Season dates, bag limits and shooting hours for the 2005-2006 hunting seasons in Illinois	50
Figure 1.....	Season dates, bag limits and shooting hours for 2005-2006 hunting seasons in Illinois	50
Figure 2.....	Wildlife Management Units in Illinois.....	51
Figure 3.....	Administrative Regions in Illinois.....	52
Appendix C	Demographic Information about respondents to the 2005-2006 IL Hunter Harvest Survey.....	53
Table C1	Gender of respondents to the 2005-2006 IL Hunter Harvest Survey	53
Table C2	Ethnicity of respondents to the 2005-2006 IL Hunter Harvest Survey.....	53
Table C3	Age of respondents to the 2005-2006 IL Hunter Harvest Survey.....	53
Table C4	Number of years hunted in Illinois	53
Table C5	Proportion of respondents self-identified as baby boomers	53
Table C6	Military status of respondents to the 2005-2006 IL Hunter Harvest Survey	53
Table C7	County of residence for respondents to the 2005-2006 IL Hunter Harvest Survey	54
Table C8	Location of childhood residence of respondents to the 2005-2006 IL Hunter Harvest Survey.....	55
Table C9	Location of current residence of respondents to the 2005-2006 IL Hunter Harvest Survey.....	55
Table C10	Internet use among respondents to the 2005-2006 IL Hunter Harvest Survey	55

^a WMU = Wildlife Management Unit

^b AR = Administrative Region

RESULTS OF THE 2005-2006
ILLINOIS HUNTER HARVEST SURVEY

JOB COMPLETION REPORT

WILDLIFE HARVEST AND
HUMAN DIMENSIONS RESEARCH PROGRAM

STATE OF ILLINOIS

PROJECT NUMBER: W-112-R-15
STUDY 101
JOB NO. 101.1

Prepared by
Stacy A. Lischka, William L. Anderson, and Linda K. Campbell
Illinois Natural History Survey
Champaign, IL
November 28, 2006

Federal Aid in Wildlife Restoration
W-112-R-15

Illinois Department of Natural Resources

Sam Flood, Acting Director
Illinois Department of Natural Resources

John E. Buhnerkempe, Chief
Division of Wildlife Resources

Equal opportunity to participate in programs of the Illinois Department of Natural Resources (IDNR) and those funded by the U.S. Fish and Wildlife Service and other agencies is available to all individuals regardless of race, sex, national origin, disability, age, religion or other non-merit factors. If you believe you have been discriminated against, contact the funding source's civil rights office and/or the Equal Employment Opportunity Officer, IDNR, One Natural Resources Way, Springfield, IL 62702-1271; 217/785/0067; TTY 217/782/9175.

ABSTRACT

A random sample of 3,000 potential hunters was selected from the 2005 Illinois Habitat Stamp stubs and license sales. A 7-page questionnaire was successfully mailed to 2,894 of the 3,000 individuals. We received 1,809 returned questionnaires, 1,803 of which were usable, for a 62% response rate. License sales decreased 7% from 300,000 sold for the 2004 season to 280,000 sold for the 2005 season. Comparisons of harvest estimates from 2004-2005 season to 2005-2006 season suggest harvest decreased for 10 game animal categories (rabbit, quail, pheasant, dove, woodcock, fox squirrel, gray squirrel, raccoon, red fox, and gray fox), increased for 2 categories (opossum and coyote), and could not be calculated for 1 category (gray partridge). We examined hunter activities, attitudes, and preferences related to dove hunting, motivations for and participation in hunting in Illinois, and personal characteristics.

OBJECTIVE

To survey resident hunters (18-24 game animal hunting categories) annually to determine their activities and harvests in Illinois.

METHODS

A systematic, random sample of 3,000 addresses were selected from Illinois resident hunting license and state habitat stamp purchaser information (1,500 addresses of resident hunting license purchasers and 1,500 addresses of resident habitat stamp purchasers). Methods for survey questionnaire mailings and follow-up reminders followed those of Miller et al. (1999). Recipients were mailed a self-administered, 7-page questionnaire, a cover letter and postage-paid return envelope on April 18, 2006 (Appendix A). A thank you/reminder postcard was sent to non-respondents on May 9, 2006. On May 30, 2006 a second questionnaire, cover letter, and return envelope were mailed to nonrespondents. The second questionnaire was followed on June 16, 2006 with a postcard thank you/reminder. Data were coded, entered, and analyzed using SPSS 14.0.

Estimates of the number of hunters ($Hunt_{sp}$), days hunting ($Days_{sp}$), and harvest ($Harv_{sp}$) by species

were made as follows:

$$Hunt_{sp} = \frac{L_t}{n} Hunt_r,$$

$$Days_{sp} = \frac{L_t}{n} Days_r,$$

$$Harv_{sp} = \frac{L_t}{n} Harv_r,$$

where L_t = total number of resident hunting licenses sold in 2005-2006, n = number of respondents to 2005-2006 Illinois Hunter Harvest survey, $Hunt_r$ = number of respondents to 2005-2006 Illinois Hunter Harvest survey who reported hunting for each species, $Harv_r$ = total harvest of each species reported by respondents to 2005-2006 Illinois Hunter Harvest survey, and $Days_r$ = total number of days spent hunting each species reported by respondents to 2005-2006 Illinois Hunter Harvest survey.

Estimated number of hunters, harvest and days hunting were used to calculate the percent of license holders pursuing each species (Lic_{sp}), average daily ($\overline{Bag}_{sp,day}$) and season bags ($\overline{Bag}_{sp,season}$), and average days hunting by species (\overline{Days}_{sp}) as follows:

$$Lic_{sp} = \frac{Hunt_{sp}}{L_t} \times 100,$$

$$\overline{Bag}_{sp,day} = \frac{Harv_{sp}}{Days_{sp}},$$

$$\overline{Bag}_{sp,season} = \frac{Harv_{sp}}{Hunt_{sp}},$$

$$\overline{Days}_{sp} = \frac{Days_{sp}}{Hunt_{sp}}.$$

Confidence intervals were also calculated for species harvests, hunters, and days hunting as follows:

$$95\% \text{ CI } [Hunt_{sp}] = \pm 2L_t \sqrt{\frac{pq}{n}},$$

$$95\% \text{ CI } [Days_{sp}] = \pm \frac{1.96s}{\sqrt{Hunt_r}},$$

$$95\% \text{ CI } [Harv_{sp}] = \pm 2L_t \left(\frac{s}{\sqrt{n}} \right) \left(\frac{L_t - Hunt_r}{L_t} \right),$$

where p = proportion of n who hunted referent species, $q = (1-p)$, and s = standard deviation of $\overline{Bag}_{sp,season}$.

Summary statistics of results are presented in Tables 1 through 67. Season dates, bag limits, and shooting hours for the 2005-2006 hunting seasons and maps of wildlife administrative regions in Illinois are presented in Appendix B.

RESULTS AND DISCUSSION

Survey Response

Of the original 3,000 surveys sent via the U.S. Postal Service, 106 were returned as undeliverable, leaving a usable sample of 2,894 addresses. A total of 1,809 respondents returned questionnaires, 1,803 of which were valid, for a 62% response rate. Nearly all respondents were male (96%; Appendix C, Table C1), white (96%; Appendix C, Table C2) and had hunted in Illinois during the 2005-2006 license year (89%). Respondents had a mean age of 48 years as of September 1, 2005 (Appendix C, Table C3) and had hunted in Illinois for an average of 31 years (Appendix C, Table C4). 34% of respondents considered themselves “baby-boomers” (Appendix C, Table C5), whereas 28% of respondents indicated they were veterans or currently serving in the U.S. military (Appendix C, Table C6). Respondents represented 99 of the 102 counties in the state (Appendix C, Table C7). Most respondents grew up in a rural area (42%; Appendix C, Table C8) or small town (32%), and most currently reside in rural areas (39%; Appendix C, Table C9) or small towns (33%). Over 60% of respondents use the internet (Appendix C, Table C10).

License Sales

Resident Illinois license sales for the 2005-2006 hunting season totaled 280,000 and represented a 7% decrease from the 2005-2006 sales (Table 1). This sizable decrease to the lowest annual sales on record (since 1938) may have been caused by a change from a paper licensing system to an electronic licensing system in early 2006. The low rate of license sales reported by vendors may, therefore, be an anomaly and not representative of an actual decline of the magnitude indicated.

Harvest

Of the 1,803 respondents to the hunter harvest survey, 1,601 (89%) reported hunting in Illinois during the 2005-2006 season. Harvest estimates represent game species harvested by Illinois resident hunters and do not include harvests by nonresidents. Including harvests by nonresidents for species such as mourning doves may result in larger total harvests. Except for statewide estimates (Table 2), data for big game species (i.e., white-tailed deer and eastern wild turkey) are not included in this report. See Illinois Department of Natural Resources (DNR) publications specific to these species for detailed information (e.g. Hubert et al. 2005).

Statewide estimates of harvests for the 24 game animal categories included in this survey are presented in Table 2, and confidence intervals are provided for 13 of these categories in Table 3. Harvest estimates for these same 13 categories are summarized by wildlife management unit, administrative region, and year (1995 to 2005) in Tables 4-34. Results suggest harvest during the 2005-2006 season decreased from 2004-2005 levels for 10 game species: rabbit, quail, pheasant, dove, woodcock, fox squirrel, gray squirrel, raccoon, gray fox, and red fox. Conversely, increases occurred in harvest of opossum and coyote. Change in harvest of gray partridge could not be calculated due to low responses for this species. These trends are mirrored in 5- and 10-year comparisons of harvest, with 1 notable exception. Dove harvest, hunter participation and days hunting have increased over the past 10 years. Small sample size for several species (partridge, woodcock, raccoon, red fox, gray fox and opossum) may limit the confidence placed on harvest estimates for these species.

Hunting Activities and Opinions

Dove Hunting: 408 survey respondents (23%) spent at least part of one day hunting doves in Illinois during the 2005-2006 season. These hunters spent a majority of their time afield during the early segment of the season and, as a result, the majority of dove harvest occurred during this time period. Of respondents who reported dove hunting activities, 399 (88%) reported spending 1,802 days (92% of days hunted) hunting doves during the early segment of the dove season (September 1-October 21) and 56 hunters (12%) spent 147 days (8% of days hunted) hunting doves during the late segment (November 5-13, Table 35). Similar trends were reported for dove harvest, with 9,289 doves taken (97% of harvest) during the early segment and 282 taken (3% of harvest) during the late segment (Table 36).

Although, many survey respondents (45%) appear to accept the current, split season structure, a slight majority (55%) would prefer to return to a continuous dove season in the future (Table 37). When considering only those respondents who reported hunting doves during the 2005 season, 58% prefer to return to a continuous dove season, while 42% prefer a split season (Table 38). A similar trend was seen among dove hunters in 2004-2005, with a slight majority (58%) favoring a continuous season (Hubert et al. 2005). A continuous dove season would allow hunting in late October, which may motivate the preference for a return to this season structure.

The majority of dove hunting activity in Illinois occurs on private lands. Dove hunters in our sample spent over 1,500 (89%) days hunting doves on private land, while only 193 (11%) days hunting were spent on public lands (Table 39). 89% (7,978) of doves harvested during the 2005 season were harvested on private land and 11% (953) were harvested on public land (Table 40). Of days spent on private land, 44% (681 days hunting) were spent on lands planted in crops to specifically attract doves, while 56% (869 days hunting) were spent on lands not planted in crops intended to attract doves. Public land hunters exhibited a much higher preference for lands planted in crops intended to attract doves, with 96% of days hunting (185 days) associated with these areas. The crop type most commonly hunted for doves was sunflowers, on both public and private lands (Tables 41 and 42).

Most dove hunters appear to focus solely on doves during any given trip afield. That is, of a total of 188 reported days spent hunting doves during the late season, 62% were spent hunting doves only and 38% were spent hunting doves and other upland game (Table 43). Most (86%) respondents had never used a rotating wing decoy (Robodove) to hunt doves in Illinois (Table 44). When considering only those respondents who reported hunting doves during 2005, 83% had never used a Robodove decoy (Table 45).

Dove hunters in Illinois use lead shot more frequently than nontoxic shot to harvest doves on both public and private lands. Of dove harvest reported on private lands, 84% (6,727 birds) was harvested with lead shot (Table 46). On public land, 57% (528 birds) of harvest was taken with lead shot. Respondents most often use 12 gauge (72%) or 20 gauge (23%) shotguns to harvest doves (Table 47). Those respondents who reported hunting doves during 2005 also most commonly used a 12 gauge (72%) or 20 gauge (23%) shotguns (Table 48). Despite high levels of lead shot use, respondents appear to have relatively neutral opinions about the use of non-toxic shot to hunt doves. Most (56%) respondents had either neutral or no feelings toward the use of non-toxic shot to harvest doves in Illinois (Table 49). Only a small percentage of hunters prefer non-toxic shot and use it extensively (8%) or have a strong dislike for nontoxic shot and would stop hunting in areas which required non-toxic shot (10%). Similar patterns were observed among respondents who reported hunting doves during the 2005 season (Table 50), with a slight increase in the percentage of hunters (30%) who reported a willingness to use non-toxic shot if required, despite a dislike for it.

These results indicate that most hunters do not currently hold well-formed attitudes (either positive or negative) about the use of non-toxic shot for dove hunting. However, agency efforts to limit lead shot use on public and private lands may cause these opinions to solidify, potentially against the use of non-toxic shot. As such, these results present a unique opportunity to the IDNR. At present, dove hunters may be open to communications and education about the use of non-toxic shot (benefits to dove populations and landscapes, availability and effectiveness, etc.). Efforts by the IDNR to share this information with dove hunters in advance of consideration of increased limits on the use of lead shot may increase hunter receptivity to non-toxic shot use. As a result, the IDNR may be able to reduce potential controversy associated with mandated use of non-

toxic shot by taking a proactive approach and investing in education and outreach efforts targeted toward dove hunters in Illinois.

Values toward wildlife management: Respondents generally hold a protectionist view of the relationship of humans to natural resources (Table 51). Most respondents (88%) feel that humans are a part of nature and should live by its rules and cycles. Most respondents (60%) also feel that humans should be restrained from excessive use of natural resources by protecting such resources from exploitation. A slight majority (52%) of respondents support increased regulation to protect future hunting opportunity, whereas more (63%) hope participation in hunting would increase in the future, despite a potential increase in conflicts among hunters.

Hunting Participation and Motivations: Despite relative constancy in the total number of hunting licenses sold annually in Illinois over the previous 10 years (Range: 324,000 –280,000 licenses/year; Table 1), many hunters (40%) report a decrease in their own participation in hunting over the same time period (Table 52). Whereas most hunters felt the change in their participation was slight to no change at all (77%), almost ¼ (23%) of respondents felt the change had been dramatic (Table 53). A majority of Illinois hunters (60%) would like to spend more time hunting (Table 54) and doing so is important to 88% of respondents (Table 55). Many hunters (43%), however, do not feel that their hunting partners hunted less between 1995 and 2005 (Table 56). The majority (74%) of hunters responding to this survey hunted on private lands during the 2005-2006 license year (Table 57).

Understanding the reasons hunters in Illinois take to the field and issues that prevent them from doing so may assist IDNR managers in providing opportunities for increased participation among Illinois hunters. Illinois hunters most often hunt for sport (for recreation and to spend time with others; 46%) and utility (to provide food and other useful items for themselves and their families; 35%; Table 58). The most important reasons hunters cite as motivations to participate in hunting are: sharing experiences with family and friends

(33%), escaping the constraints of daily life (27%) and experiencing a simpler way of life (12%; Table 59). The main factors causing a change in Illinois hunters' patterns of participation, as reported by survey respondents are: loss of suitable hunting land (37%), new interests or opportunities (25%) and a lack or decrease in the population of specific species (18%; Table 60). Hunters are prevented from hunting by the following barriers: limited access to huntable land (27%), limited time due to other obligations (26%), and the cost of licenses, gear and travel (13%, Table 61). These results indicate that actions taken by IDNR to increase game populations on public and private lands across the state may encourage more hunters to increase their participation. In addition, programs which offer increased access to private lands for hunting may increase hunter participation, satisfying both hunters' and the agency's long-term goals of a sustained population of active hunters in Illinois.

Youth Hunting Participation and Motivations: On average, respondents who indicated the size of their households reported having 2 adults, nearly 2 children under 12 years of age and 1.4 children between 13 and 17 years of age per household (Table 62). Many respondents (57%) began hunting during childhood (< 13 years of age; Table 63). In a slight majority of the households with children at home (54%), no children hunt (Table 64). Of children living at home who do hunt, it is most common for them to hunt with a male parent (58%), a grandparent (11%) or a friend of their own age (19%; Table 65). There are several reasons children living at home do not hunt, including: the child is too young (32%), the child is not interested (27%) and the child is more interested in other activities (22%; Table 66). Respondents believe that special youth seasons (34%), hunting clinics (26%) and reduced license fees (19%) could motivate non-hunting children to participate (Table 67). These results indicate that competing interests prevent many children from learning to hunt in their youth, making it less likely they will hunt as adults. INDR actions to offer increased opportunity and training sessions to these non-hunting children in venues accessible to them (schools, girl and boy scouts, church youth groups, etc.) may increase interest in hunting and future participation.

LITERATURE CITED

- Hubert, P.D., W.L. Anderson, and L.K. Campbell. 2005. Results of the 2004-2005 Illinois Hunter Harvest Survey. Human Dimensions Program Report HR-05-01. Illinois Natural History Survey, Champaign, IL. 51 pp.
- Miller, C.A., L.K. Campbell and K.D. Caldwell. 1999. 1998-99 Illinois Hunter Harvest Survey Report. Illinois Department of Natural Resources, Federal Aid in Wildlife Restoration Project W-112-R-8, Job 1, Job Completion Report 77pp.

TABLES AND FIGURES

Table 1. Number of resident hunting licenses purchased in Illinois, 1938-2005.

Year	Licenses (x 1,000)	Year	Licenses (x 1,000)
1938	294	1972	446
1939	322	1973	478
1940	297	1974	470
1941	337	1975	463
1942	309	1976	458
1943	265	1977	424
1944	308	1978	389
1945	321	1979	344 ^a
1946	423	1980	337
1947	412	1981	338
1948	451	1982	328
1949	497	1983	315
1950	481	1984	310
1951	477	1985	307
1952	493	1986	311
1953	508	1987	317
1954	506	1988	323
1955	521	1989	317
1956	553	1990	330
1957	503	1991	336
1958	502	1992	317
1959	492	1993	313
1960	471	1994	326 ^b
1961	463	1995	324
1962	473	1996	316
1963	482	1997	305
1964	474	1998	301
1965	452	1999	294
1966	470	2000	290
1967	481	2001	296
1968	399	2002	289
1969	427	2003	293
1970	448	2004	300
1971	464	2005	280

^a Includes Sportsmen's (combination hunting/fishing) licenses beginning in 1979.

^b Includes senior citizen (≥ 65 years) hunting licenses beginning in 1994.

Table 2. Summary of statewide hunter participation, harvest, and days hunting for 19 species from the 2005-2006 Illinois Hunter Harvest Survey ($n = 1,803$).

Species	n	Total Estimated Hunters ($Hunt_{sp}$)	Percent of License Sales ^a (Lic_{sp})	Average Bag		Total Estimated Harvest ($Harv_{sp}$)	Days Hunting	
				Daily ($Bag_{sp,day}$)	Season ($Bag_{sp,season}$)		Average ($Days_{sp}$)	Total Estimated ($Days_{sp}$)
Rabbit	389	60,431	21.58%	1.07	5.15	311,011	4.80	290,349
Quail	193	29,983	10.70%	1.44	8.16	244,521	5.67	170,108
Pheasant	286	44,430	15.86%	0.67	3.31	146,961	4.93	218,888
Dove	408	63,383	22.63%	4.89	23.35	1,479,709	4.78	302,777
Gray Partridge	2	311	0.11%	0.43	3.00	932	7.00	2,175
Woodcock	4	621	0.22%	0.83	1.25	777	1.50	932
Snipe	2	311	0.11%	0.75	1.50	466	2.00	621
Rail	3	466	0.17%	0.40	0.67	311	1.67	777
Crow	37	5,748	2.05%	0.82	4.22	24,235	5.16	29,672
Ground Hog	31	4,816	1.72%	0.61	2.90	13,982	4.74	22,836
Fox Squirrel	368	57,169	20.41%	1.12	6.94	396,764	6.22	355,441
Gray Squirrel	311	48,314	17.25%	1.44	9.48	457,816	6.58	317,846
Turkey-Spring	355	55,149	19.69%	0.12	0.48	26,410	4.09	225,413
Turkey-Fall Shotgun	69	10,719	3.83%	0.15	0.41	4,350	2.67	28,584
Turkey-Fall Archery	84	13,049	4.66%	0.01	0.11	1,398	15.31	199,780
Deer-Shotgun	1158	179,895	64.23%	0.19	0.80	144,476	4.24	762,924
Deer-Muzzleloader	181	28,118	10.04%	0.15	0.38	10,719	2.54	71,461
Deer-Archery	598	92,899	33.17%	0.03	0.63	58,722	18.68	1,734,949
Deer-Handgun	188	29,206	10.43%	0.13	0.30	8,700	2.31	67,577
Raccoon	76	11,807	4.22%	1.40	19.32	228,054	13.83	163,273
Red Fox	14	2,175	0.78%	0.07	0.50	1,087	7.14	15,535
Gray Fox	7	1,087	0.39%	0.00	0.00	0	10.57	11,496
Coyote	200	31,070	11.09%	0.47	4.07	126,610	8.73	271,086
Opossum	19	2,952	1.05%	0.43	6.16	18,176	14.26	42,100

^a Sum across species > 100% because many respondents reported hunting >1 species.

Table 3. Estimated number of resident licensed hunters and harvest in Illinois \pm 95% confidence interval, from the 2005-2006 Illinois Hunter Harvest Survey ($n = 1,803$).

Species	<i>n</i>	Total Estimated Hunters		Estimated Average		Total Estimated Harvest	
				Season Bag			
Rabbit	389	60,431	\pm 5,427	5.15	\pm 0.72	311,011	\pm 52,039
Quail	193	29,983	\pm 4,079	8.16	\pm 2.19	244,521	\pm 74,620
Pheasant	286	44,430	\pm 4,820	3.31	\pm 0.65	146,961	\pm 33,476
Dove	408	63,383	\pm 5,520	23.35	\pm 2.99	1,479,709	\pm 231,724
Gray Partridge	2	311	\pm 439	3.00	\pm 0.00	932	\pm 1,847
Woodcock	4	621	\pm 621	1.25	\pm 1.23	777	\pm 923
Fox Squirrel	368	57,169	\pm 5,317	6.94	\pm 0.90	396,764	\pm 64,165
Gray Squirrel	311	48,314	\pm 4,984	9.48	\pm 1.50	457,816	\pm 87,635
Raccoon	76	11,807	\pm 2,651	19.32	\pm 7.55	228,054	\pm 103,800
Red Fox	14	2,175	\pm 1,158	0.50	\pm 0.45	1,087	\pm 1,055
Gray Fox	7	1,087	\pm 820	0.00	\pm 0.00	0	\pm 0
Coyote	200	31,070	\pm 4,143	4.08	\pm 1.58	126,610	\pm 52,734
Opossum	19	2,952	\pm 1,347	6.16	\pm 3.58	18,176	\pm 13,324

Table 4. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

RABBIT ($n = 389$)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	35	5,437	9.00	1.16	6.17	33,556	28,895
Northeast Moraine	5	777	1.29	0.83	5.00	3,884	4,661
Mississippi Border-North	29	4,505	7.46	1.27	4.41	19,885	15,690
Mississippi Border-South	77	11,962	19.79	1.29	5.36	64,160	49,867
Western Prairie/Forest	39	6,059	10.03	1.28	6.28	38,061	29,672
Central Sand Prairie	6	932	1.54	0.67	2.33	2,175	3,262
Grand Prairie	123	19,108	31.62	0.90	4.72	90,258	100,356
Southern Plain	46	7,146	11.83	0.99	4.13	29,517	29,672
Wabash Border	19	2,952	4.88	1.23	5.05	14,914	12,117
Shawnee Hills	10	1,554	2.57	0.90	9.40	14,603	16,156
Unknown	-	-	-	-	-	-	-

Table 5. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

QUAIL (*n* = 193)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	5	777	2.59	1.31	3.40	2,641	2,020
Northeast Moraine	1	155	0.52	1.43	50.00	7,768	5,437
Mississippi Border-North	25	3,884	12.95	2.43	11.36	44,119	18,176
Mississippi Border-South	37	5,748	19.17	1.69	10.32	59,344	35,109
Western Prairie/Forest	19	2,952	9.84	0.65	3.32	9,787	15,069
Central Sand Prairie	2	311	1.04	0.38	1.50	466	1,243
Grand Prairie	46	7,146	23.83	0.62	3.02	21,594	34,798
Southern Plain	42	6,525	21.76	1.58	9.81	64,004	40,391
Wabash Border	13	2,020	6.74	1.91	16.31	32,934	17,244
Shawnee Hills	3	466	1.55	3.00	4.00	1,864	621
Unknown		-	-	-	-	-	-

Table 6. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

PHEASANT (*n* = 286)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	38	5,903	13.29	0.62	3.21	18,953	30,604
Northeast Moraine	17	2,641	5.94	0.48	2.71	7,146	14,914
Mississippi Border-North	9	1,398	3.15	0.32	0.89	1,243	3,884
Mississippi Border-South	-	-	-	-	-	-	-
Western Prairie/Forest	18	2,796	6.29	0.52	1.89	5,282	10,098
Central Sand Prairie	8	1,243	2.80	0.75	3.00	3,728	4,971
Grand Prairie	178	27,652	62.24	0.72	3.76	103,929	144,320
Southern Plain	16	2,486	5.59	0.65	2.56	6,369	9,787
Wabash Border	1	155	0.35	2.00	2.00	311	155
Shawnee Hills	1	155	0.35	0.00	0.00	0	155
Unknown		-	-	-	-	-	-

Table 7. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

DOVE (*n* = 408)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	18	2,796	4.41	3.85	26.72	74,723	19,419
Northeast Moraine	14	2,175	3.43	3.74	21.64	47,071	12,583
Mississippi Border-North	24	3,728	5.88	4.93	22.00	82,025	16,622
Mississippi Border-South	79	12,273	19.36	5.29	27.08	332,294	62,761
Western Prairie/Forest	27	4,194	6.62	5.42	19.26	80,782	14,914
Central Sand Prairie	11	1,709	2.70	7.61	21.45	36,663	4,816
Grand Prairie	148	22,992	36.27	4.29	21.18	486,867	113,406
Southern Plain	61	9,476	14.95	5.86	22.67	214,849	36,663
Wabash Border	13	2,020	3.19	6.17	46.54	93,987	15,224
Shawnee Hills	13	2,020	3.19	4.78	15.08	30,449	6,369
Unknown	-	-	-	-	-	-	-

Table 8. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

GRAY PARTRIDGE (*n* = 2)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	-	-	-	-	-	-	-
Northeast Moraine	-	-	-	-	-	-	-
Mississippi Border-North	-	-	-	-	-	-	-
Mississippi Border-South	-	-	-	-	-	-	-
Western Prairie/Forest	-	-	-	-	-	-	-
Central Sand Prairie	-	-	-	-	-	-	-
Grand Prairie	2	311	0.49	0.43	3.00	932	2,175
Southern Plain	-	-	-	-	-	-	-
Wabash Border	-	-	-	-	-	-	-
Shawnee Hills	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-

Table 9. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

WOODCOCK (*n* = 4)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	-	-	-	-	-	-	-
Northeast Moraine	-	-	-	-	-	-	-
Mississippi Border-North	-	-	-	-	-	-	-
Mississippi Border-South	-	-	-	-	-	-	-
Western Prairie/Forest	1	155	25.00	0.00	0.00	0	311
Central Sand Prairie	-	-	-	-	-	-	-
Grand Prairie	1	155	25.00	1.00	1.00	155	155
Southern Plain	2	311	50.00	1.33	2.00	621	466
Wabash Border	-	-	-	-	-	-	-
Shawnee Hills	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-

Table 10. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

FOX SQUIRREL (*n* = 368)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	18	2,796	4.89	1.19	7.89	22,060	18,487
Northeast Moraine	1	155	0.27	2.60	13.00	2,020	777
Mississippi Border-North	33	5,127	8.97	1.15	7.55	38,682	33,556
Mississippi Border-South	85	13,205	23.10	1.18	6.91	91,190	77,520
Western Prairie/Forest	48	7,457	13.04	1.04	6.90	51,421	49,246
Central Sand Prairie	7	1,087	1.90	1.62	6.71	7,301	4,505
Grand Prairie	81	12,583	22.01	1.32	7.81	98,337	74,413
Southern Plain	59	9,166	16.03	0.99	6.49	59,499	60,120
Wabash Border	16	2,486	4.35	0.66	5.00	12,428	18,797
Shawnee Hills	20	3,107	5.43	0.77	4.45	13,826	18,021
Unknown	-	-	-	-	-	-	-

Table 11. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

GRAY SQUIRREL (*n* = 311)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	16	2,486	5.14	0.99	6.94	17,244	17,399
Northeast Moraine	3	466	0.96	0.73	3.67	1,709	2,330
Mississippi Border-North	24	3,728	7.72	1.23	9.29	34,643	28,118
Mississippi Border-South	93	14,448	29.90	1.63	10.62	153,486	94,142
Western Prairie/Forest	29	4,505	9.32	1.59	8.69	39,148	24,545
Central Sand Prairie	5	777	1.61	1.23	5.40	4,194	3,418
Grand Prairie	35	5,437	11.25	1.38	8.00	43,498	31,536
Southern Plain	63	9,787	20.26	1.60	11.06	108,279	67,577
Wabash Border	16	2,486	5.14	0.74	4.13	10,253	13,826
Shawnee Hills	27	4,194	8.68	1.30	10.81	45,362	34,954
Unknown	-	-	-	-	-	-	-

Table 12. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

RACCOON (*n* = 76)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	11	1,709	14.47	1.32	10.55	18,021	13,671
Northeast Moraine	-	-	-	-	-	-	-
Mississippi Border-North	11	1,709	14.47	2.02	46.36	79,229	39,304
Mississippi Border-South	14	2,175	18.42	0.90	9.07	19,729	21,904
Western Prairie/Forest	10	1,554	13.16	1.51	26.70	41,478	27,497
Central Sand Prairie	-	-	-	-	-	-	-
Grand Prairie	15	2,330	19.74	1.22	17.60	41,012	33,556
Southern Plain	9	1,398	11.84	1.06	13.78	19,263	18,176
Wabash Border	3	466	3.95	0.63	8.00	3,728	5,903
Shawnee Hills	3	466	3.95	1.71	12.00	5,593	3,262
Unknown	-	-	-	-	-	-	-

Table 13. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

RED FOX (*n* = 14)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	2	311	14.29	0.00	0.00	0	2,330
Northeast Moraine	-	-	-	-	-	-	-
Mississippi Border-North	-	-	-	-	-	-	-
Mississippi Border-South	2	311	14.29	0.09	0.50	155	1,709
Western Prairie/Forest	2	311	14.29	0.00	0.00	0	1,087
Central Sand Prairie	-	-	-	-	-	-	-
Grand Prairie	7	1087	50.00	0.09	0.71	777	8,855
Southern Plain	1	155	7.14	0.10	1.00	155	1,554
Wabash Border	-	-	-	-	-	-	-
Shawnee Hills	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-

Table 14. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

GRAY FOX (*n* = 7)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	2	311	40.00	0.00	0.00	0	8,544
Northeast Moraine	-	-	-	-	-	-	-
Mississippi Border-North	-	-	-	-	-	-	-
Mississippi Border-South	1	155	20.00	0.00	0.00	0	1,554
Western Prairie/Forest	2	311	28.57	0.00	0.00	0	777
Central Sand Prairie	-	-	-	-	-	-	-
Grand Prairie	1	155	20.00	0.00	0.00	0	311
Southern Plain	1	155	20.00	0.00	0.00	0	311
Wabash Border	-	-	-	-	-	-	-
Shawnee Hills	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-

Table 15. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

COYOTE (*n* = 200)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	19	2,952	9.50	0.27	3.53	10,408	38,371
Northeast Moraine	2	311	1.00	0.25	0.50	155	621
Mississippi Border-North	18	2,796	9.00	0.52	5.22	14,603	28,118
Mississippi Border-South	24	3,728	12.00	0.43	2.08	7,768	18,021
Western Prairie/Forest	22	3,418	11.00	0.38	3.55	12,117	31,847
Central Sand Prairie	4	621	2.00	0.28	7.25	4,505	16,312
Grand Prairie	69	10,719	34.50	0.49	3.45	36,973	75,345
Southern Plain	26	4,039	13.00	0.70	7.23	29,206	41,789
Wabash Border	9	1,398	4.50	0.52	6.22	8,700	16,622
Shawnee Hills	7	1,087	3.50	0.54	2.00	2,175	4,039
Unknown	-	-	-	-	-	-	-

Table 16. Summary of 2005 hunting effort and harvest by Wildlife Management Unit in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

OPOSSUM (*n* = 19)

Wildlife Management Units	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Northwest Hills	3	466	15.79	0.16	3.33	1,554	9,787
Northeast Moraine	-	-	-	-	-	-	-
Mississippi Border-North	1	155	5.26	0.38	23.00	3,573	9,321
Mississippi Border-South	4	621	21.05	0.30	1.75	1,087	3,573
Western Prairie/Forest	3	466	15.79	2.80	4.67	2,175	777
Central Sand Prairie	-	-	-	-	-	-	-
Grand Prairie	6	932	31.58	0.60	8.00	7,457	12,428
Southern Plain	1	155	5.26	0.33	10.00	1,554	4,661
Wabash Border	-	-	-	-	-	-	-
Shawnee Hills	1	155	5.26	0.50	5.00	777	1,554
Unknown	-	-	-	-	-	-	-

Table 17. Percent change in harvest from 2004 to 2005 in Wildlife Management Units for selected species, from the 2005-2006 Illinois Hunter Harvest Survey.

Wildlife Management Unit	Rabbit	Quail	Pheasant	Fox Squirrel	Gray Squirrel	Dove	Raccoon	Red Fox	Gray Fox	Coyote
Northwest Hills	-2	---	4	-38	-60	166	-19	-100	---	563
Northeast Moraine	725	726	-56	84	21	36	---	---	---	-80
Mississippi Border-North	-11	307	-79	-26	47	4	154	-100	---	72
Mississippi Border-South	-34	49	-100	-37	-46	-16	-44	-51	-100	-8
Western Prairie Forest	-14	-50	-49	-57	-53	-11	-19	---	---	23
Central Sand Prairie	-72	-96	-68	-74	-86	-81	---	---	---	474
Grand Prairie	-21	-48	-22	-49	-41	-35	-40	65	-100	19
Southern Plain	-46	-29	76	-29	-38	-7	-28	-1	---	210
Wabash Border	-58	31	98	-65	-67	605	13	---	---	825
Shawnee Hills	-26	-92	---	-17	73	4	-74	-100	---	593

Note: For Red and Gray fox, percentage change could not be calculated in certain WMUs due to no harvest in 2004 in those units.

Table 18. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

RABBIT (*n* = 389)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	86	13,360	22.11	1.00	5.12	68,354	68,043
Region 2	17	2,641	4.37	0.68	5.53	14,603	21,594
Region 3	66	10,253	16.97	1.17	5.09	52,198	44,430
Region 4	168	26,099	43.19	1.22	5.16	134,688	110,454
Region 5	52	8,078	13.37	0.90	5.10	41,168	45,828

Table 19. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

QUAIL (*n* = 193)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	28	4,350	14.51	0.87	4.25	18,487	21,283
Region 2	6	932	3.11	0.92	10.00	9,321	10,098
Region 3	25	3,884	12.95	0.63	2.92	11,341	17,865
Region 4	91	14,137	47.15	1.62	8.38	118,532	73,170
Region 5	43	6,680	22.28	1.82	13.00	86,841	47,692

Table 20. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

PHEASANT (*n* = 286)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	90	13,982	31.47	0.62	3.42	47,848	77,054
Region 2	40	6,214	13.99	0.83	5.40	33,556	40,546
Region 3	97	15,069	33.92	0.63	2.82	42,566	67,422
Region 4	53	8,234	18.53	0.66	2.57	21,128	31,847
Region 5	6	932	2.10	0.92	2.00	1,864	2,020

Table 21. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

DOVE (*n* = 408)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	68	10,564	16.67	4.38	21.59	228,054	52,042
Region 2	36	5,593	8.82	4.24	21.67	121,173	28,584
Region 3	69	10,719	16.91	3.57	20.87	223,704	62,606
Region 4	175	27,186	42.89	5.53	23.58	640,974	115,891
Region 5	60	9,321	14.71	6.09	28.52	265,804	43,653

Table 22. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

GRAY PARTRIDGE (*n* = 2)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	2	311	0.49	0.43	3.00	932	2,175
Region 2	-	-	-	-	-	-	-
Region 3	-	-	-	-	-	-	-
Region 4	-	-	-	-	-	-	-
Region 5	-	-	-	-	-	-	-

Table 23. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

WOODCOCK (*n* = 4)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	1	155	25.00	0.00	0.00	0	311
Region 2	-	-	-	-	-	-	-
Region 3	-	-	-	-	-	-	-
Region 4	2	311	50.00	1.00	1.00	311	311
Region 5	1	155	25.00	1.50	3.00	466	311

Table 24. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

FOX SQUIRREL (*n* = 368)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	66	10,253	17.93	1.08	7.14	73,170	67,733
Region 2	6	932	1.63	1.16	13.50	12,583	10,875
Region 3	50	7,768	13.59	1.22	6.50	50,489	41,478
Region 4	173	26,876	47.01	1.22	7.23	194,188	159,544
Region 5	73	11,341	19.84	0.88	5.85	66,334	75,811

Table 25. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

GRAY SQUIRREL (*n* = 311)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	41	6,369	13.18	1.22	7.95	50,644	41,478
Region 2	4	621	1.29	0.88	3.75	2,330	2,641
Region 3	28	4,350	9.00	1.25	6.29	27,342	21,904
Region 4	156	24,235	50.16	1.59	10.17	246,540	154,573
Region 5	82	12,739	26.37	1.35	10.28	130,960	97,249

Table 26. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

RACCOON (*n* = 76)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	20	3,107	26.32	1.39	13.25	41,168	29,517
Region 2	1	155	1.32	0.00	0.00	0	311
Region 3	7	1,087	9.21	0.93	14.00	15,224	16,312
Region 4	34	5,282	44.74	1.54	27.56	145,563	94,453
Region 5	14	2,175	18.42	1.15	12.00	26,099	22,681

Table 27. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

RED FOX (*n* = 14)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	4	621	28.57	0.00	0.00	0	4,661
Region 2	2	311	14.29	0.00	0.00	0	1,864
Region 3	2	311	14.29	0.12	2.00	621	5,127
Region 4	5	777	35.71	0.13	0.40	311	2,330
Region 5	1	155	7.14	0.10	1.00	155	1,554

Table 28. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

GRAY FOX (*n* = 7)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	2	311	28.57	0.00	0.00	0	8,544
Region 2	1	155	14.29	0.00	0.00	0	311
Region 3	-	-	-	-	-	-	-
Region 4	3	466	42.86	0.00	0.00	0	2,330
Region 5	1	155	14.29	0.00	0.00	0	311

Table 29. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

COYOTE (*n* = 200)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	49	7,612	24.50	0.27	2.31	17,555	64,160
Region 2	8	1,243	4.00	0.29	2.75	3,418	11,962
Region 3	36	5,593	18.00	0.65	4.92	27,497	42,411
Region 4	73	11,341	36.50	0.43	3.60	40,857	95,540
Region 5	34	5,282	17.00	0.65	7.06	37,284	57,013

Table 30. Summary of 2005 hunting effort and harvest by Administrative Region in Illinois for individual species, from the 2005-2006 Illinois Hunter Harvest Survey.

OPOSSUM (*n* = 19)

Administrative Region	<i>n</i>	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
				Daily	Season		
Region 1	6	932	31.58	0.33	4.33	4,039	12,273
Region 2	-	-	-	-	-	-	-
Region 3	3	466	15.79	0.62	13.67	6,369	10,253
Region 4	8	1,243	42.11	0.41	4.38	5,437	13,360
Region 5	2	311	10.53	0.38	7.50	2,330	6,214

Table 31. Percent change in harvest from 2004 to 2005 in Administrative Regions for selected species.

Administrative Regions	Rabbit	Quail	Pheasant	Fox Squirrel	Gray Squirrel	Dove	Raccoon	Red Fox	Gray Fox	Coyote
Region 1	-19	-8	8	-53	-51	-15	-22	-100	---	78
Region 2	365	230	14	74	-50	18	---	---	-100	56
Region 3	-30	-52	-53	-60	-43	-45	-62	296	---	15
Region 4	-27	13	-40	-39	-43	-29	23	-60	-100	23
Region 5	-50	-23	137	-32	-31	50	-48	-51	---	1484

Note: For Red and Gray Fox, percentage change could not be calculated in certain regions due to no harvest in 2004 in those regions.

Table 32. Distribution of hunting effort and harvest among resident Illinois hunters in 2005, from the 2005-2006 Illinois Hunter Harvest Survey.

	Days Hunting		Animals Harvested	
	Range	Percent of Hunters	Range	Percent of Hunters
RABBIT	---		0	21.6
	1-5	73.8	1-5	49.1
	6-10	19.8	6-10	17.0
	11-14	1.5	11-14	3.8
	15-19	1.0	15-19	3.4
	20-24	2.6	20-24	1.8
	25+	1.3	25+	3.3
QUAIL	---		0	28.5
	1-5	68.4	1-5	36.3
	6-10	19.2	6-10	18.6
	11-14	3.1	11-14	1.6
	15-19	3.6	15-19	2.6
	20-24	3.1	20-24	2.6
	25+	2.6	25+	9.8
PHEASANT	---		0	35.0
	1-5	75.2	1-5	46.8
	6-10	14.7	6-10	9.8
	11-14	2.8	11-14	3.5
	15-19	3.1	15-19	1.1
	20-24	2.1	20-24	2.8
	25+	2.1	25+	1.0
DOVE	---		0	11.0
	1-5	75.7	1-5	14.0
	6-10	16.9	6-10	18.1
	11-14	1.5	11-14	4.7
	15-19	2.2	15-19	10.8
	20-24	2.5	20-24	5.6
	25+	1.2	25+	35.8
GRAY PARTRIDGE	---		0	33.3
	1-5	33.3	1-5	66.7
	6-10	66.7	6-10	---
	11-14	---	11-14	---
	15-19	---	15-19	---
	20-24	---	20-24	---
	25+	---	25+	---
WOODCOCK	---		0	25.0
	1-5	100.0	1-5	75.0
	6-10	---	6-10	---
	11-14	---	11-14	---
	15-19	---	15-19	---
	20-24	---	20-24	---
	25+	---	25+	---

Table 32 – continued.

Table 32 – continued.

	Days Hunting		Animals Harvested	
	Range	Percent of Hunters	Range	Percent of Hunters
FOX SQUIRREL	---		0	12.2
	1-5	64.1	1-5	48.7
	6-10	23.9	6-10	22.5
	11-14	3.0	11-14	5.2
	15-19	3.6	15-19	2.4
	20-24	2.7	20-24	3.0
	25+	2.7	25+	6.0
GRAY SQUIRREL	---		0	12.9
	1-5	62.1	1-5	43.4
	6-10	24.4	6-10	18.6
	11-14	2.6	11-14	2.3
	15-19	4.8	15-19	7.4
	20-24	2.9	20-24	5.8
	25+	3.2	25+	9.6
RACCOON	---		0	9.2
	1-5	52.6	1-5	34.2
	6-10	13.2	6-10	11.9
	11-14	3.9	11-14	10.5
	15-19	4.0	15-19	9.2
	20-24	6.6	20-24	2.6
	25+	19.7	25+	22.4
RED FOX	---		0	64.3
	1-5	57.1	1-5	35.7
	6-10	35.8	6-10	---
	11-14	---	11-14	---
	15-19	---	15-19	---
	20-24	---	20-24	---
	25+	7.1	25+	---
GRAY FOX	---		0	100.0
	1-5	71.4	1-5	---
	6-10	14.3	6-10	---
	11-14	---	11-14	---
	15-19	---	15-19	---
	20-24	---	20-24	---
	25+	14.3	25+	---
COYOTE	---		0	31.5
	1-5	64.5	1-5	53.5
	6-10	18.0	6-10	7.5
	11-14	1.0	11-14	0.5
	15-19	2.5	15-19	1.5
	20-24	3.5	20-24	2.5
	25+	10.5	25+	3.0
OPOSSUM	---		0	---
	1-5	47.4	1-5	68.4
	6-10	21.0	6-10	21.1
	11-14	5.3	11-14	---
	15-19	---	15-19	---
	20-24	5.2	20-24	5.2
	25+	21.1	25+	5.3

Table 33. Statewide estimates of effort, harvest and days hunting by species for resident Illinois hunters, 1995-2005.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Hunting	Estimated Total Days Hunting
RABBIT						
1995	128,673	1.10	6.52	838,322	5.94	763,831
1996	109,758	0.94	4.75	521,424	5.08	557,535
1997	102,842	1.02	5.35	550,602	5.22	536,802
1998	98,190	1.07	6.20	608,878	5.78	567,079
1999	86,826	0.96	4.73	411,040	4.93	427,787
2000	88,461	1.07	5.94	525,891	5.56	491,482
2001	82,136	0.88	4.82	395,604	5.50	451,670
2002	72,672	0.86	4.81	349,614	5.57	404,908
2003	64,758	0.85	4.99	323,167	5.87	379,830
2004	78,768	1.14	5.45	429,460	4.76	375,013
2005	60,431	1.07	5.15	311,011	4.80	290,349
QUAIL						
1995	72,244	1.43	9.78	706,278	6.84	494,040
1996	56,542	1.22	7.54	426,585	6.20	350,372
1997	55,958	1.36	8.37	468,272	6.14	343,595
1998	55,618	1.42	9.35	519,786	6.57	365,292
1999	47,803	1.33	8.91	425,836	6.68	319,174
2000	44,298	1.16	6.55	290,310	5.63	249,398
2001	40,518	1.04	6.70	271,536	6.47	262,270
2002	34,124	1.13	6.83	233,181	6.06	206,640
2003	30,044	1.15	6.80	204,236	5.91	177,617
2004	38,913	1.22	6.77	263,293	5.55	216,064
2005	29,983	1.44	8.16	244,521	5.67	170,108
PHEASANT						
1995	85,811	0.62	3.91	335,208	6.28	539,149
1996	77,069	0.57	3.08	237,382	5.42	417,367
1997	66,734	0.57	3.23	215,326	5.70	380,459
1998	68,149	0.52	2.77	188,740	5.29	360,486
1999	54,469	0.48	2.54	138,368	5.24	285,517
2000	53,375	0.62	3.22	171,639	5.17	275,950
2001	59,050	0.53	2.68	158,304	5.03	297,292
2002	50,080	0.52	2.84	142,026	5.46	273,625
2003	50,592	0.66	3.60	181,976	5.42	274,287
2004	55,075	0.67	3.63	200,059	5.44	299,696
2005	44,430	0.67	3.31	146,961	4.93	218,888
DOVE						
1995	73,626	3.95	19.34	1,424,136	4.90	360,441
1996	67,756	3.57	18.43	1,248,586	5.17	350,277
1997	77,132	4.31	19.89	1,534,030	4.62	355,977
1998	61,798	4.11	19.31	1,193,380	4.69	290,020
1999	58,209	3.98	17.56	1,022,235	4.41	256,575
2000	61,367	4.54	19.84	1,217,324	4.37	268,093
2001	59,207	3.77	17.93	1,061,802	4.76	281,587
2002	58,295	4.03	18.29	1,066,379	4.54	264,620
2003	54,172	4.84	23.53	1,274,765	4.86	263,390
2004	78,455	5.13	23.65	1,855,135	4.61	361,989
2005	63,383	4.89	23.35	1,479,709	4.78	302,777

Table 33 – continued.

Table 33 - continued.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Hunting	Estimated Total Days Hunting
GRAY PARTRIDGE						
1995	1,469	0.61	3.24	4,753	5.29	7,777
1996	665	1.37	3.71	2,471	2.71	1,806
1997	189	0.15	1.00	189	6.50	1,229
1998	944	0.13	1.18	1,116	8.82	8,326
1999	650	0.18	0.75	488	4.25	2,764
2000	271	1.25	2.50	677	2.00	542
2001	471	0.14	0.67	314	4.67	2,199
2002	158	0.00	0.00	0	1.00	158
2003	623	0.44	1.00	623	2.25	1,401
2004	0	0.00	0.00	0	0.00	0
2005	311	0.43	3.00	932	7.00	2,175
WOODCOCK						
1995	3,111	0.31	1.64	5,099	5.31	16,505
1996	2,661	0.30	1.96	5,227	6.50	17,295
1997	1,701	0.76	2.33	3,970	3.06	5,199
1998	1,974	0.68	2.09	4,120	3.09	6,094
1999	2,114	0.46	2.38	5,040	5.15	10,894
2000	1,355	0.43	1.70	2,303	4.00	5,419
2001	1,570	0.53	2.40	3,769	4.50	7,067
2002	1,738	0.15	0.73	1,264	4.82	8,373
2003	1,090	0.41	1.57	1,712	3.86	4,203
2004	1,569	0.44	1.10	1,726	2.50	3,923
2005	621	0.83	1.25	777	1.50	932
FOX SQUIRREL						
1995	97,909	1.36	7.84	767,201	5.75	562,655
1996	91,703	1.32	8.05	738,280	6.08	557,820
1997	85,166	1.39	7.22	615,162	5.18	441,238
1998	82,998	1.13	9.48	786,460	8.40	697,111
1999	83,411	1.14	7.28	607,618	6.39	532,986
2001	68,316	1.00	8.19	559,562	8.21	560,975
2002	63,667	1.09	7.56	481,213	6.95	442,508
2003	62,267	1.16	7.59	472,608	6.55	407,539
2004	77,356	1.27	9.15	707,660	7.21	557,498
2005	57,169	1.12	6.94	396,764	6.22	355,441
GRAY SQUIRREL						
1995	67,923	1.38	7.72	524,372	5.60	380,662
1996	65,380	1.46	8.93	583,858	6.13	400,642
1997	60,779	1.31	7.46	453,432	5.70	346,620
1998	60,682	1.07	8.92	541,416	8.31	504,080
1999	56,095	0.90	6.35	356,083	7.05	395,268
2001	54,182	1.11	9.17	496,900	8.26	447,273
2002	49,606	1.15	8.96	444,719	7.78	385,792
2003	51,059	1.32	8.96	457,664	6.80	346,984
2004	64,490	1.62	11.98	772,306	7.40	477,003
2005	48,314	1.44	9.48	457,816	6.58	317,846
SQUIRRELS ^a (FOX & GRAY)						
2000	96,048	1.47	11.71	1,125,070	7.96	764,316

Table 33 – continued.

Table 33 - continued.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Hunting	Estimated Total Days Hunting
RACCOON						
1995	19,789	1.32	17.18	340,047	13.00	257,260
1996	19,861	1.66	20.05	398,267	12.05	239,283
1997	24,482	1.51	23.19	567,711	15.33	375,260
1998	16,308	1.33	17.96	292,852	13.53	220,669
1999	15,447	1.26	17.88	276,249	14.17	218,853
2000	15,985	1.26	16.66	266,332	13.19	210,790
2001	16,176	1.24	20.73	335,297	16.75	270,908
2002	13,428	1.24	17.81	239,185	14.36	192,896
2003	11,675	1.25	19.39	226,341	15.53	181,353
2004	12,867	1.42	20.26	260,626	14.32	184,211
2005	11,807	1.40	19.32	228,054	13.83	163,273
RED FOX						
1995	4,062	0.18	1.40	5,703	7.77	31,542
1996	3,611	0.10	0.66	2,376	6.79	24,517
1997	3,308	0.08	1.11	3,686	13.74	45,466
1998	3,176	0.11	1.38	4,377	12.19	38,709
1999	3,089	0.12	1.00	3,089	8.68	26,828
2000	4,200	0.18	1.61	6,773	8.84	37,119
2001	2,827	0.04	0.33	942	7.44	21,044
2002	2,528	0.08	1.50	3,792	19.00	48,027
2003	1,712	0.22	1.91	3,269	8.82	15,100
2004	3,295	0.07	0.48	1,569	6.48	21,340
2005	2,175	0.07	0.50	1,087	7.14	15,535
GRAY FOX						
1995	1,469	0.06	0.41	605	6.35	9,333
1996	1,520	0.00	0.00	0	5.94	9,028
1997	1,418	0.18	3.60	5,104	19.80	28,074
1998	1,631	0.03	0.37	601	13.00	21,200
1999	813	0.00	0.00	0	6.20	5,040
2000	813	0.00	0.00	0	10.50	8,535
2001	942	0.00	0.00	0	6.17	5,811
2002	632	0.09	1.75	1,106	20.25	12,797
2003	778	0.05	0.60	467	11.40	8,873
2004	2,040	0.10	0.69	1,412	6.85	13,965
2005	1,087	0.00	0.00	0	10.57	11,496
COYOTE						
1995	32,233	0.24	2.66	85,898	11.08	357,244
1996	33,640	0.22	2.45	82,485	11.24	378,215
1997	33,272	0.26	3.13	104,165	11.83	393,598
1998	31,414	0.34	3.53	110,807	10.35	325,124
1999	31,056	0.31	2.89	89,752	9.43	292,834
2000	35,899	0.29	2.92	104,718	10.10	362,651
2001	32,823	0.23	3.68	120,927	16.25	533,335
2002	26,383	0.25	2.90	76,463	11.79	311,067
2003	26,775	0.28	3.48	93,245	12.39	331,729
2004	33,265	0.18	2.16	71,707	12.29	408,748
2005	31,070	0.47	4.07	126,610	8.73	271,086

Table 33 – continued.

Table 33 - continued.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Hunting	Estimated Total Days Hunting
OPOSSUM						
1995	5,099	0.47	3.53	17,975	7.58	38,628
1996	4,466	0.31	3.79	16,915	12.15	54,262
1997	5,955	0.57	5.90	35,163	10.38	61,819
1998	2,918	0.39	4.41	12,875	11.18	32,615
1999	2,276	0.53	5.29	12,032	9.93	22,601
2000	3,387	0.26	3.08	10,431	11.80	39,963
2001	2,984	0.66	2.95	8,795	4.47	13,349
2002	3,160	0.42	3.95	12,481	9.30	29,385
2003	778	0.50	3.40	2,646	6.80	5,293
2004	2,824	0.49	5.94	16,789	12.11	34,206
2005	2,952	0.43	6.16	18,176	14.26	42,100

^a For the year 2000 fox squirrel harvest was 628,576 (55.9%) and gray squirrel harvest was 496,494 (44.1%).

Table 34. Percent change in statewide harvest by species for 1, 5 and 10 year time periods, from the 2005-2006 Illinois Hunter Harvest Survey.

Species	2005 Estimated Harvest	% Change 1 Year ^a	% Change 5 Years ^a	% Change 10 Years ^a
Rabbit	311,011	-28	-41	-63
Quail	244,521	-7	-16	-65
Pheasant	146,961	-27	-14	-56
Dove	1,479,709	-20	22	4
Gray Partridge	932	---	38	-80
Woodcock	777	-55	-66	-85
Fox Squirrel	396,764	-44	-37	-48
Gray Squirrel	457,816	-41	-8	-13
Raccoon	228,054	-12	-14	-33
Red Fox	1,087	-31	-84	-81
Gray Fox	0	-100	---	-100
Coyote	126,610	77	21	47
Opossum	18,176	8	74	1

^a From 2004, 2000, and 1995, respectively; see also Table 33.

Table 35. Number of days spent hunting doves during each segment of the 2005 dove season by respondents to the 2005-2006 Illinois Hunter Harvest Survey.

	<i>n</i>	Total (days)	% (total days)	\bar{x} (days)	Range (days)	Std. dev. (days)
Days hunted in early season (Sept. 1- Oct. 21)	399	1802	92%	4.52	1-46	5.19
Days hunted in late season (Nov. 5- 13)	56	147	8%	2.63	1-10	2.09

Table 36. Number of doves harvested during each segment of the 2005 dove season by respondents to the 2005-2006 Illinois Hunter Harvest Survey.

	<i>n</i>	Total (birds)	% (total birds)	\bar{x} (birds)	Range (birds)	Std. dev. (birds)
Doves harvested in early season (Sept. 1- Oct. 21)	360	9289	97%	25.8	1-313	31.12
Doves harvested in late season (Nov. 5- 13)	36	282	3%	7.8	2-24	6.22

Table 37. Preference of all respondents to the 2005-2006 Illinois Hunter Harvest Survey for dove hunting season structure ($n_t=715$).

	<i>n</i>	%
Return to continuous season	390	55%
Retain split season	325	45%

Table 38. Preference for dove hunting season structure of respondents to the 2005-2006 Illinois Hunter Harvest Survey who hunted doves in 2005 ($n_t=372$).

	<i>n</i>	%
Return to continuous season	215	58%
Retain split season	157	42%

Table 39. Days spent hunting doves on lands of different ownership and use during the 2005 dove season by respondents to the 2005-2006 Illinois Hunter Harvest Survey.

	<i>n</i>	Total (days)	% (total days)	\bar{x} (days)	Range (days)	Std. dev. (days)
Days hunted on private land not planted to attract doves	197	869	50%	4.41	1-30	5.31
Days hunted on private land planted to attract doves	176	681	39%	3.87	1-46	5.19
Days hunted on public land planted to attract doves	72	185	11%	2.57	1-12	2.31
Days hunted on public land not planted to attract doves	4	8	0.002%	2.00	1-4	1.41

Table 40. Number of doves harvested on public and private lands by respondents to the 2005-2006 Illinois Hunter Harvest Survey.

	<i>n</i>	Total (birds)	% (total birds)	\bar{x} (birds)	Range (birds)	Std. dev. (birds)
Doves harvested on private land	313	7978	89%	25.5	1-313	32.51
Doves harvested on public land	59	953	11%	16.2	1-45	12.60

Table 41. Types of crops planted on private lands used for dove hunting by respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t=269$).

	<i>n</i>	%
Sunflowers	169	63%
Other	37	14%
Millet	33	12%
Wheat	30	11%

Table 42. Types of crops planted on public lands used for dove hunting by respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t=105$).

	<i>n</i>	%
Sunflowers	78	74%
Millet	13	12%
Wheat	9	9%
Other	5	5%

Table 43. Number of days respondents to the 2005-2006 Illinois Hunter Harvest Survey spent hunting late season doves while hunting other upland game.

	<i>n</i>	Total (days)	% (total days)	\bar{x} (days)	Range (days)	Std. dev. (days)
Days hunted doves only	45	116	62%	2.58	1-10	2.15
Days hunted while hunting other upland game	31	72	38%	2.32	1-6	1.64

Table 44. Frequency of use of rotating wing decoys (Robodove) during dove hunting by all respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t=512$).

	<i>n</i>	%
Never	441	86%
Sometimes	43	8%
Most of the time	12	2%
Always	16	3%

Table 45. Frequency of use of rotating wing decoys (Robodove) during dove hunting by respondents to the 2005-2006 Illinois Hunter Harvest Survey who hunted doves in 2005 ($n_t=396$).

	<i>n</i>	%
Never	331	83%
Sometimes	41	10%
Always	15	4%
Most of the time	11	3%

Table 46. Number of doves harvested with non-toxic and lead shot on private and public lands by respondents to the 2005-2006 Illinois Hunter Harvest Survey.

	<i>n</i>	Total (birds)	% (all birds)	\bar{x} (birds)	Range (birds)	Std. dev. (birds)
Doves harvested with lead shot on private land	261	6727	75%	25.8	1-235	29.3
Doves harvested with non-toxic shot on private land	57	1251	14%	22.0	1-313	43.5
Doves harvested with lead shot on public land	35	528	6%	15.1	1-38	11.8
Doves harvested with non-toxic shot on public land	26	425	5%	16.4	1-45	13.3

Table 47. Gauge of shotgun used most when hunting doves by all respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t=706$).

	<i>n</i>	%
12 gauge	511	72%
20 gauge	159	23%
16 gauge	19	3%
28 gauge	10	1%
.410	6	1%
10 gauge	1	0.8%

Table 48. Gauge of shotgun used most when hunting doves by respondents to the 2005-2006 Illinois Hunter Harvest Survey who hunted doves in 2005 ($n_t=399$).

	<i>n</i>	%
12 gauge	288	72%
20 gauge	91	23%
16 gauge	10	3%
28 gauge	8	2%
.410	2	0.5%
10 gauge	0	0%

Table 49. Attitudes of all respondents to the 2005-2006 Illinois Hunter Harvest Survey toward the use of non-toxic shot to harvest doves in Illinois ($n_t=686$).

	<i>n</i>	%
I have neutral feelings about non-toxic shot and use where required.	190	28%
No opinion	193	28%
I don't like non-toxic shot but use where required.	179	26%
I strongly dislike non-toxic shot and won't hunt where required.	68	10%
I like non-toxic shot and use it for all dove hunting.	56	8%

Table 50. Attitudes of respondents to the 2005-2006 Illinois Hunter Harvest Survey who hunted doves during the 2005 season toward the use of non-toxic shot to harvest doves in Illinois ($n_t=396$).

	<i>n</i>	%
I don't like non-toxic shot but use where required.	119	30%
I have neutral feelings about non-toxic shot and use where required.	116	29%
No opinion	85	22%
I strongly dislike non-toxic shot and won't hunt where required.	45	11%
I like non-toxic shot and use it for all dove hunting.	31	8%

Table 51. Beliefs of respondents to the 2005-2006 Illinois Hunter Harvest Survey about humans' relationship to natural resources.

		<i>n</i>	%
Humans are part of nature and should live by its rules and cycles.	$n_t = 1422$	1250	88%
Humans exist outside of nature and should exercise control over it.		172	12%
Humans must be more restrained and protect resources from exploitation.	$n_t = 1397$	833	60%
Humans should utilize natural resources for our benefit.		564	40%
We need more regulations and enforcement to protect future hunting opportunities.	$n_t = 1231$	642	52%
Hunting seasons, bag limits and regulations are too restrictive.		589	48%
I hope more people take up hunting, even if it means more conflicts.	$n_t = 1253$	788	63%
I hope fewer people take up hunting; more people will dilute the experience.		465	37%

Table 52. Change in hunting participation over previous 10 years of respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t = 1770$).

	<i>n</i>	%
Decreased	701	40%
Unchanged	561	32%
Increased	508	29%

Table 53. Magnitude of change in hunting pattern over previous 10 years of respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t = 1743$).

	<i>n</i>	%
Slight change	680	39%
No change	666	38%
Dramatic change	397	23%

Table 54. Satisfaction of respondents to the 2005-2006 Illinois Hunter Harvest Survey with current level of hunting participation ($n_t = 1766$).

	<i>n</i>	%
I would like to hunt more and will make an effort to do so.	1052	60%
I am satisfied with how often I hunt.	517	29%
I will probably not be able to hunt as often in the future.	195	11%
I hunt too much and plan to cut back.	2	0.1%

Table 55. Importance to respondents to the 2005-2006 Illinois Hunter Harvest Survey of maintaining or increasing own hunting participation ($n_t = 1754$).

	<i>n</i>	%
Very important	953	54%
Somewhat important	600	34%
Not very important	201	11%

Table 56. Change in hunting participation by hunting partners as viewed by respondents to the 2005-2006 Illinois Hunter Harvest Survey over previous 10 years ($n_t=1750$).

	<i>n</i>	%
Unchanged	744	43%
Decreased	595	34%
Increased	411	23%

Table 57. Type of land hunted by respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t=2430$).

	<i>n</i>	%
Private property	1642	68%
Public property	638	26%
Leased property	150	6%

Table 58. Typology of hunting motivations of respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t=1794$).

	<i>n</i>	%
Recreation: hunt for fun and to spend time with others	827	46%
Utilitarian: hunt for food and useful items	628	35%
Sport: challenge of taking trophy animals	155	9%
Nature/Spiritual: hunt for deep connection to nature, religion or meditation	152	8%
Other	32	2%

Table 59. Motivations of respondents to the 2005-2006 Illinois Hunter Harvest Survey for participation in hunting ($n_t=1938$).

	<i>n</i>	%
Share experience with family and friends	649	33%
Escape constraints of everyday life	527	27%
Experience simpler way of life	241	12%
Use my knowledge of animals I hunt	183	9%
Test shooting, woodsmanship and survival skills	165	9%
Awaken and focus senses	127	7%
Other	46	2%

Table 60. Reasons for change in hunting participation of respondents to the 2005-2006 Illinois Hunter Harvest Survey over previous 10 years ($n_t=1480$).

	<i>n</i>	%
Loss of suitable hunting land	550	37%
New interests or opportunities	372	25%
Lack of or decrease in specific species	262	18%
Too many rules/regulations	148	10%
Other	148	10%

Table 61. Barriers to hunting participation of respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t=4034$).

	<i>n</i>	%
Limited access to huntable land	1100	27%
Limited time due to other obligations	1031	26%
Cost of licenses, travel, gear	536	13%
Too many rules, regulations	363	9%
Lack of hunting partners	281	7%
Other interests occupy my time	290	7%
Losing importance in my life	198	5%
Other	175	4%
Insecurity about others perceptions of hunting and killing animals	21	1%
Conflict with my own feelings about killing animals	39	1%

Table 62. Number of adults and children per household of respondents to the 2005-2006 Illinois Hunter Harvest Survey.

	<i>n</i>	Total (adults, children)	\bar{x} (adults, children)	Range (adults, children)	Std. Dev. (adults, children)
Adults	1699	3602	2.12	1-7	0.81
Children (<12 years of age)	465	766	1.65	1-7	0.88
Children (13-17 years of age)	404	566	1.40	1-5	0.64
Total household residents	1704	4916	2.89	1-13	1.41

Table 63. Age of respondents to the 2005-2006 Illinois Hunter Harvest Survey at hunting initiation ($n_t=1734$).

	<i>n</i>	%
Child (<13 years of age)	992	57%
Teenager (13-19 years of age)	485	28%
Young adult (20-35 years of age)	195	11%
Adult (36-64 years of age)	57	3%
Retiree (>65 years of age)	5	0.3%

Table 64. Participation in hunting by children of respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t=958$).

	<i>n</i>	%
Do not hunt	514	54%
Hunt	444	46%

Table 65. Number of children at home of respondents to the 2005-2006 Illinois Hunter Harvest Survey who hunt with various others ($n_t=746$).

	<i>n</i>	%
Hunts with male parent	436	58%
Hunts with grandparent	82	11%
Hunts with friends of similar age	70	9%
Hunts alone	46	6%
Hunts with mentor or adult friend	39	5%
Hunts with uncle	35	5%
Hunts with female parent	28	4%
Other	10	1%

Table 66. Reasons children at home of respondents to the 2005-2006 Illinois Hunter Harvest Survey do not participate in hunting ($n_t = 1040$).

	<i>n</i>	%
Too young	334	32%
No interest	278	27%
More interested in other activities	227	22%
No time	80	8%
No access to huntable land	68	7%
Too expensive	29	3%
Other	24	2%

Table 67. Incentives preferred to encourage hunting participation by non-hunting children at home of respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t = 821$).

	<i>n</i>	%
Special youth seasons	282	34%
Hunting clinics	214	26%
Reduced license fees	157	19%
Educations videos	141	17%
Other	27	3%

Appendix A. 2005-2006 Illinois Hunter Harvest Survey instrument and cover letters.

Figure 1. Cover letter #1 sent with the 2005-2006 Illinois Hunter Harvest Survey.



ILLINOIS NATURAL
HISTORY SURVEY



Dear Illinois Hunter,

You are one of a select group of Illinois hunters asked to provide information about your hunting activities during the 2005-2006 hunting season. Please complete the enclosed questionnaire and return it to us as soon as possible. The information you and other selected hunters furnish our biologists is vital for proper wildlife management and allows us to safeguard wildlife populations while maximizing hunting opportunities.

This survey is limited to those hunters selected. Please take a few minutes to complete the enclosed questionnaire **even if you were not successful, and answer opinion questions even if you did not hunt**. A postage-paid envelope is provided for returning the questionnaire to us.

If you are interested in the summary results of this survey, or other hunter and trapper surveys, please visit <http://www.inhs.uiuc.edu/cwpe/hd/>. For more information about wildlife in Illinois, visit <http://dnr.state.il.us/orc/wildliferesources/>.

Thank you for your time and assistance.

Sincerely,

William L. Anderson
Wildlife Harvest and Human Dimensions Research Program

1816 S. Oak Street, Champaign, Illinois 61820 USA
(217) 333-6880 Fax (217) 333-4949
<http://www.inhs.uiuc.edu>

Figure 2. Cover letter #2 sent with the 2005-2006 Illinois Hunter Harvest Survey.



ILLINOIS NATURAL HISTORY SURVEY



Dear Illinois Hunter,

As one of a select group of Illinois hunters during the 2005-2006 season, you have been asked to provide information about your hunting activities. We recently mailed you a survey questionnaire regarding your hunting experiences in Illinois during the 2005-2006 season. We have not received your completed questionnaire at this time. Perhaps you recently mailed the questionnaire and it has not yet arrived in our office. If so, we thank you.

If you have not returned your completed questionnaire to us, please do so as soon as possible. Another copy of the questionnaire is enclosed. The information you and other selected hunters furnish our biologists is vital for proper wildlife management and allows us to safeguard wildlife populations while maximizing hunting opportunities.

This survey is limited to those hunters selected. Please complete the enclosed questionnaire **even if you were not successful and answer opinion questions even if you did not hunt.** A postage-paid envelope is provided for you to return the questionnaire to us.

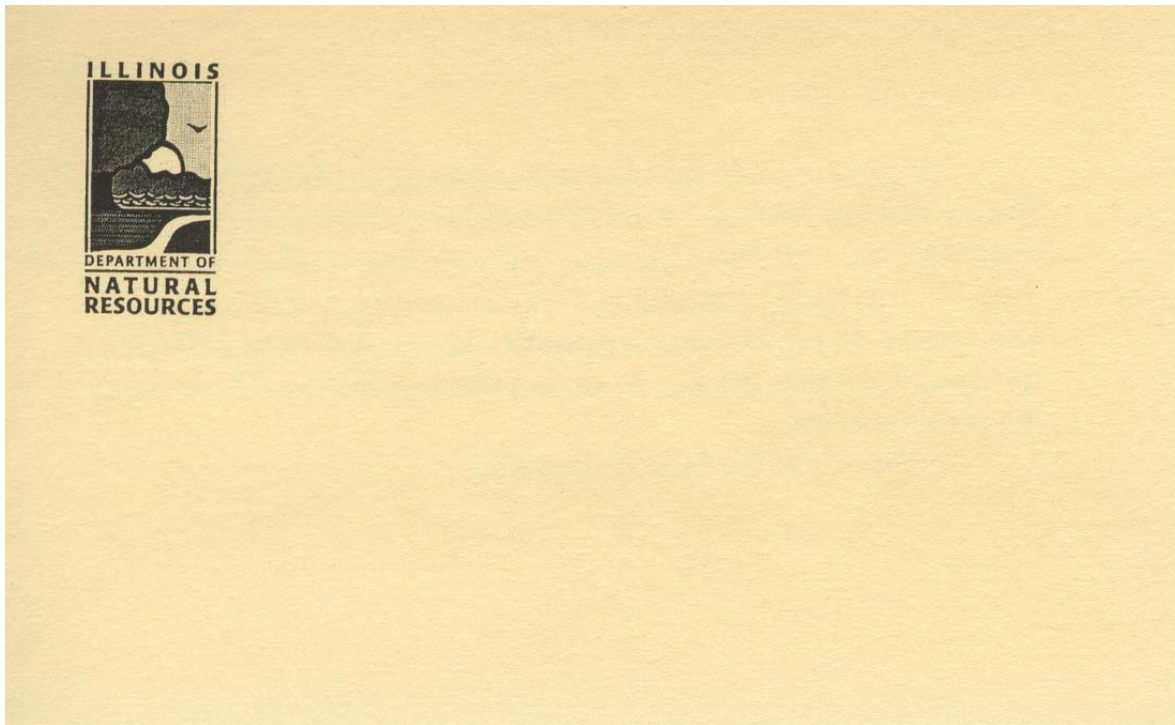
If you have questions, please call us at (217) 244-5121. Thank you for your time and assistance.

Sincerely,

William L. Anderson
Wildlife Harvest and Human Dimensions Research Program

1816 S. Oak Street, Champaign, Illinois 61820 USA
(217) 333-6880 Fax (217) 333-4949
<http://www.inhs.uiuc.edu>

Figure 3. 2005-2006 Illinois Hunter Harvest Survey reminder postcard.



Dear Illinois Hunter,

You have been selected to participate in the Illinois Hunter Harvest Survey. A survey questionnaire was recently mailed to you. We have not received your questionnaire at this time. **If you have returned the questionnaire, we thank you and please disregard this reminder. If you have not returned the questionnaire, please do so as soon as possible.** Your input is very important!

Thank you for your cooperation.

Figure 4. 2005-2006 Illinois Hunter Harvest Survey instrument.

Illinois Hunter Harvest Survey 2005-2006 Season



Your comments are welcome but please write them on a separate sheet of paper to receive proper attention.

ALL RESPONSES ARE CONFIDENTIAL

THANK YOU FOR YOUR COOPERATION!
Postage-paid return envelope provided



Illinois Department of Natural Resources
Division of Wildlife Resources
and the
Illinois Natural History Survey



The Department of Natural Resources is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the Illinois Compiled Statutes, The Wildlife Code, Chapter 520. Disclosure of information is voluntary.

Section 1. Hunter Harvest and Days Afield. Please complete the following questionnaire for the past hunting season (February 2005 - January 2006). Include ONLY the game harvested and days hunted IN ILLINOIS. List only your retrieved kill, not those hit and not found. DO NOT list any upland game harvested or days hunted on licensed shooting preserves or controlled hunting areas. Count part of a day as a whole day.

1. Did you hunt in Illinois during the 2005-2006 season? _____ Yes _____ No (please go to Section 3)

Please provide the days hunted, harvest and counties hunted for the following species.

Game Species	Number of Days Hunted	Number Harvested	County Hunted Most Often
Rabbit	_____	_____	_____
Quail	_____	_____	_____
Pheasant	_____	_____	_____
Dove	_____	_____	_____
Gray (Hungarian) Partridge	_____	_____	_____
Woodcock	_____	_____	_____
Snipe	_____	_____	_____
Rail	_____	_____	_____
Crow	_____	_____	_____
Ground Hog (Woodchuck)	_____	_____	_____
Gray Squirrel	_____	_____	_____
Fox Squirrel	_____	_____	_____
Turkey – Spring (2005)	_____	_____	_____
Turkey – Fall Shotgun	_____	_____	_____
Turkey – Fall Archery	_____	_____	_____
Deer – Regular Firearm Season	_____	_____	_____
Deer – Muzzleloader-Only Season	_____	_____	_____
Deer – Archery	_____	_____	_____
Deer – Late Winter Firearm Season ^a	_____	_____	_____
<u>Furbearers (Hunted <u>only</u> – not trapped)</u>			
Raccoon	_____	_____	_____
Red Fox	_____	_____	_____
Gray Fox	_____	_____	_____
Coyote	_____	_____	_____
Opossum	_____	_____	_____

^a (previously called handgun season, held January 13-15, 2006)

Section 2. Dove Hunting. The Illinois Department of Natural Resources is in the process of evaluating several aspects of the dove hunting regulations. Please tell us about your hunting activities and give your opinions of dove hunting regulations in Illinois.

1. The 2005 dove season was split into 2 segments. The early segment extended from September 1 to October 21, and the late segment coincided with the first 9 days of the upland game season (November 5-13). To help us evaluate hunter effort during each segment, please tell us how many **days** you hunted doves during each segment. (count part of a day as a whole day)

_____ days hunting doves during the early segment (Sept. 1 – Oct. 21)

_____ days hunting doves the late segment (Nov. 5 – 13)

2. During the late segment of the dove season, how many **days** did you hunt doves while hunting other upland game such as pheasants, quail, or rabbits?

_____ days hunting doves while hunting other upland game

_____ days hunting doves only

3. How many doves did you **harvest** during each segment of the dove hunting season?

_____ doves harvested during the early segment (Sept. 1 – Oct. 21)

_____ doves harvested during the late segment (Nov. 5 – 13)

4. Would you prefer to retain a split dove season that provides dove hunting opportunities while hunting other upland game species or return to a continuous dove season that allows dove hunting in late October?

_____ retain a split dove season

_____ return to a continuous dove season

5. How many **days** did you spend hunting doves on each of the following types of areas in 2005?

_____ Private areas planted in crops intended to attract doves

_____ Private areas **not** planted in crops intended to attract doves

_____ Public (State, Federal, etc.) areas planted in crops intended to attract doves

_____ Public (State, Federal, etc.) areas **not** planted in crops intended to attract doves

6. If you hunted on **private** areas planted in crops intended to attract doves, what were the crops? (check all that apply)

_____ Sunflowers

_____ Millet

_____ Wheat

_____ Other (write in: _____)

7. If you hunted on **public** areas planted in crops intended to attract doves, what were the crops? (check all that apply)

_____ Sunflowers

_____ Millet

_____ Wheat

_____ Other (write in: _____)

8. Of the doves you harvested in Illinois during the 2005 season, how many did you take with nontoxic (steel, bismuth, tungsten-polymer) shot and how many with lead shot?
- Number of doves taken with nontoxic shot: _____ On private land, _____ On public land
- Number of doves taken with lead shot: _____ On private land, _____ On public land .
9. Which of the following statements best describes your attitude toward using nontoxic shot for dove hunting in Illinois? (check one)
- _____ 1) I like nontoxic shot and use it for all (or nearly all) of my dove hunting.
- _____ 2) I have neutral feelings about nontoxic shot and use it where required.
- _____ 3) I don't like nontoxic shot but I use it where required.
- _____ 4) I have a strong dislike for nontoxic shot and I won't hunt where it is required.
- _____ 5) No opinion.
10. How often did you use a rotating-wing ("Robodove") decoy during the 2005 dove hunting season?
- _____ 1) Never _____ 2) Sometimes _____ 3) Most of the time _____ 4) Always
11. What gauge of shotgun do you use most for dove hunting? (please circle one)
- 10 Gauge 12 gauge 16 gauge 20gauge 28 gauge .410

Section 3. Hunting Participation and Motivation. This section is designed to explore your hunting participation patterns and the reasons why you hunt. Our hope is to better understand how we can make your hunting experiences more satisfying and convenient.

1. How would you describe your level of hunting participation over the past 10 years? (check one)
- _____ Decreased _____ Unchanged _____ Increased
2. How do you feel about your current level of hunting participation? (check one)
- _____ 1) I am satisfied with how much I hunt.
- _____ 2) I would like to hunt more often, and I will be making an effort to do so.
- _____ 3) I probably will not be able to hunt as often in the future.
- _____ 4) I hunt too much, and I plan to cut back.
3. How would you describe the level of hunting participation by your closest hunting partners over the past 10 years? (check one)
- _____ Decreased _____ Unchanged _____ Increased

4. Based on the species of game animals you normally hunt, which statement best describes your hunting patterns over the past ten years? (check one)

My hunting patterns have not changed (skip to #6).

My hunting patterns have changed slightly

My hunting patterns have changed dramatically

5. If you have changed the species of game animals you hunt, to what do you attribute this change? (check all that apply)

New interests and/or opportunities Loss of suitable hunting land

Lack of, or decrease in particular species Too many rules/regulations

Other (write in: _____)

6. Which of the following best describes the type of hunter you consider yourself? Please rank the following choices with a "1" for first choice, a "2" for second choice, and so on.

Utilitarian hunter: I hunt mainly for food and other useful items.

Sport hunter: I hunt mainly for the challenge of taking trophy animals.

Recreational hunter: I hunt mainly for fun and/or to be with family and friends.

Nature/spiritualistic hunter: I hunt mainly for a deep connection with nature, religion, or personal meditation.

Other (write in: _____)

7. What are the biggest barriers to your hunting participation? (check all that apply)

Limited access to hunting land.

Lack of time because of family, work, or other obligations.

Loss or lack of hunting companions, relationships, or social networks.

Insecurity about what others think about hunting and killing animals.

Inconsistency or conflict with my own feelings about killing animals.

Hunting is simply becoming less important in my life.

Increased costs associated with licenses, travel, gear, etc.

Other interests are occupying my time.

Too many rules, regulations, and resulting confusion.

Other (write in: _____)

8. How important is it to you that you maintain or increase your hunting participation? (check one)

Not very important Somewhat important Very important

9. Please rank the following statements in terms of their motivating influence on your hunting participation. Write in "1" for most important, "2" for second most important, and so on).

- _____ To escape the constraints of my everyday/working life
- _____ To share experiences with my friends and companions
- _____ To put to use my knowledge of the animals I hunt
- _____ To test my shooting, woodsmanship, and survival skills
- _____ To experience, even temporarily, a more simple way of life, reminiscent of our ancestors who lived more closely tied to the land
- _____ To awaken my senses, and focus them in ways not otherwise possible
- _____ Other (write in: _____)

10. For each of the following paired statements, pick the one that best represents your beliefs:

- a. _____ Humans are part of nature, and should live by its rules and cycles
_____ Humans exist outside of the natural world, and should exercise control over it
- b. _____ Humans should utilize natural resources for our benefit
_____ Humans must be more restrained, and protect natural resources from exploitation
- c. _____ Hunting seasons, bag limits, access rules, and regulations are too restrictive
_____ We need more regulations and enforcement to protect future hunting opportunities
- d. _____ I hope more people take-up hunting, even if it means more potential hunter conflicts
_____ I hope fewer people take-up hunting; more people will just dilute the experience

11. How many adults (persons 18 years or older) and how many children are there in your household?

_____ Adults _____ Children 12 years or younger _____ Children 13 - 17 years

12. If you have one or more children in your household, do any of them hunt?

_____ Yes _____ No (skip to question #14)

13. Does the child (or children) usually hunt alone or with someone?

Number of children who:

- _____ Usually hunts alone
- _____ Usually hunts with a friend or friends of similar age
- _____ Usually hunts with father, stepfather, or adopted father
- _____ Usually hunts with mother, stepmother, or adopted mother
- _____ Usually hunts with grandparent
- _____ Usually hunts with uncle
- _____ Usually hunts with mentor or family friend
- _____ Other (write in: _____)

14. If you have a non-hunting child (or children) in your family, why do they not hunt? (check all that apply)

- No interest
- Too young
- Lack access to hunting areas
- Lack of time
- Too expensive
- More interested in other activities
- Other (write in: _____)

15. Which of the following incentives would encourage your non-hunting child (or children) to participate in hunting? (check all that apply)

- Special youth seasons
- Reduced license fees
- Hunting clinics
- Educational videos
- Other (write in: _____)

Section 4. General Information. The following questions are important to help us learn more about the people involved in hunting in Illinois. Please tell us something about yourself by completing the following questions. All responses are kept confidential.

1. How old were you at the start of the 2005 fall hunting season (September 1)? _____ Years

2. How many years have you hunted in Illinois? _____ Years

3. When did you begin hunting? (in Illinois or elsewhere)

- 1) Childhood (<13) 2) Teenager (13-19) 3) Young Adult (20-35)
 4) Adult (36-64) 5) In Retirement (65+)

4. What is your county of residence? _____ County

5. Where do you live now?

- 1) Large City (over 1 million) 2) Mid-sized City (over 100,000)
 3) Small City (10,000-100,000) 4) Small Town (under 10,000) 5) Rural Area

6. Where did you grow up?

- 1) Large City (over 1 million) 2) Mid-sized City (over 100,000)
 3) Small City (10,000-100,000) 4) Small Town (under 10,000) 5) Rural Area

7. Where do you hunt? (check all that apply)

Private land Public land Leased property

8. What is your gender? Male Female

9. Do you consider yourself to be a “baby boomer”? Yes No

10. What is your race/ethnic background? (check all that apply)

American Indian or Alaskan Native

White, not of Hispanic origin

Black, not of Hispanic origin

Asian or Pacific Islander

Hispanic

11. Do you use the internet? Yes No

12. What is your military status? (check one)

a) I am a veteran of the U.S. Armed Forces.

b) I am currently on active duty in the U.S. military.

c) I am currently serving in the U.S. military but not on active duty.

d) I am not now, nor have I ever been, affiliated with the U.S. Military.

This study is funded by the federal Wildlife Restoration fund
through your purchase of hunting arms and ammunition.

**RETURN ENVELOPE IS PROVIDED – POSTAGE-PAID
THANK YOU FOR YOUR TIME AND ASSISTANCE!**

Your input will help us understand more about hunters and hunting in Illinois.

The Illinois Department of Natural Resources receives federal assistance and therefore must comply with federal anti-discrimination laws. In compliance with the Illinois Human Rights Act, the Illinois Constitution, Title VI of the 1964 Civil Rights Act, Section 504 of the Rehabilitation Act as amended, and the U.S. Constitution, the Illinois Department of Natural Resources does not discriminate on the basis of race, color, sex, national origin, age, or disability. If you believe you have been discriminated against in any program, activity, or facility, please contact the Equal Employment Opportunity Officer, Department of Natural Resources, One Natural Resources Way, Springfield, IL 62702-1271, (217) 782-7616 or the Officer of Human Resources, U.S. Fish and Wildlife Service, Washington, D.C. 20240.

Appendix B. Season dates, bag limits and shooting hours for 2005-2006 hunting seasons and maps of wildlife administrative units in Illinois.

Figure 1. Season dates, bag limits and shooting hours for 2005-2006 hunting seasons in Illinois.

2005-2006 SEASON DATES AND LIMITS INFORMATION					
SMALL GAME					
SPECIES	DATES (Inclusive) and ZONES	HOURS	Daily Limit	Possession Limit	
Rabbit (Cottontail & Swamp)	Nov. 5, 2005 - Jan. 8, 2006 (North) Nov. 5, 2005 - Jan. 22, 2006 (South)	Sunrise to sunset	4	10 ^a	
Cock Pheasant	Nov. 5, 2005 - Jan. 8, 2006 (North)		2	6 ^a	
Hungarian (Gray) Partridge	Nov. 5, 2005 - Jan. 15, 2006 (South)		2	6 ^a	
Quail (Bobwhite)			8	20 ^a	
Squirrel (Fox and Gray)	Aug. 1 - Jan. 20, 2006 (Statewide) Closed Nov. 18-20 and Dec. 1-4 in counties open for firearm deer hunting	1/2 hour before sunrise to 1/2 hour after sunset	5	10 ^a	
Woodchuck (Groundhog)	June 1, 2005 - March 31, 2006. Closed Nov. 18-20; Dec. 1-4 in counties open for firearm deer hunting	Sunrise to sunset	No Limit		
DEER & TURKEY					
SPECIES	DATES (Inclusive) and ZONES	HOURS	LIMIT		
Firearm Deer (Handgun, Muzzleloader, & Shotgun)	Nov. 18-20; Dec. 1-4, 2005	1/2 hour before sunrise to sunset	One deer per firearm permit ^f		
Deer (Muzzleloading rifles only)	Dec. 9-11, 2005 (also allowed Dec. 1-4)		One deer per muzzleloading rifle permit ^f		
Late-Winter Antlerless Deer (Handgun, Muzzleloader, & Shotgun)	Jan. 13-15, 2006		One antlerless deer per permit		
Deer (Archery in counties with a firearm season and west of Rt. 47 in Kane Co.)	Oct. 1 - Nov. 17, Nov. 21 - Nov. 30, Dec. 5, 2005 - Jan. 12, 2006	1/2 hour before sunrise to 1/2 hour after sunset	One deer per archery permit ^f		
Deer (Archery in Cook, DuPage, Kane [east of Route 47] and Lake counties)	Oct. 1, 2005 - Jan. 12, 2006				
Youth Firearm Deer Season	Oct. 8-9, 2005	1/2 hour before sunrise to sunset	One antlerless deer		
Youth Turkey Season	Mar 25-26, 2006 (South); Apr. 1-2, 2006 (North)	1/2 hour before sunrise to 1 p.m.	One gobbler or bearded hen		
Turkey (Spring Shotgun or Archery)	April 3 - May 4, 2006b (South) April 10 - May 11, 2006b (North)	1/2 hour before sunrise to 1 p.m.	One gobbler or bearded hen per permit, maximum of 3		
Turkey (Fall Shotgun Season)	Oct. 22 - Oct. 30, 2005	1/2 hour before sunrise to sunset	One turkey per permit, maximum of 2		
Turkey (Fall Archery)	Oct. 1 - Nov. 17, Nov. 21 - Nov. 30, Dec. 5, 2005 - Jan. 12, 2006	1/2 hour before sunrise to 1/2 hour after sunset	One turkey per permit, maximum of 2		
MIGRATORY GAME BIRDS					
SPECIES	DATES and ZONES	HOURS	Daily Limit	Possession Limit	
Dove	Sept. 1 - Oct. 21, Nov. 5-13, 2005	Sunrise to sunset	15	30	
Teal	Sept. 10-18, 2005	Sunrise to sunset	4	8	
Early Canada Goose ^c	Sept. 1-15, 2005	Northeast Zone	1/2 hour before sunrise to sunset	5g	10
		North, Central & South Zone		2g	4
Baird (Sora & Virginia Only)	Sept. 10 - Nov. 18, 2005	Sunrise to sunset	25	25	
Common Snipe	Sept. 10 - Dec. 25, 2005	Sunrise to sunset	8	16	
Woodcock	Oct. 15 - Nov. 28, 2005	Sunrise to sunset	3	6	
Crow	Oct. 15, 2005 - Feb. 28, 2006 (Closed during gun deer seasons)	1/2 hour before sunrise to sunset	No Limit		
The season dates for Migratory Waterfowl seasons that occur after October 1 will be available in September. See 2005-2006 Digest of Waterfowl Hunting Regulations.					
FURBEARERS - HUNTING					
SPECIES	DATES (Inclusive) and ZONES	HOURS	LIMIT		
Raccoon and Opossum	Nov. 5, 2005 - Feb. 10, 2006 (North); Nov. 10, 2005 - Feb. 15, 2006 (South) Closed Nov. 18, 19 and through 6 p.m. Nov. 20 and closed Dec. 1-3 and through 6 p.m. Dec. 4 in counties open for firearm deer hunting	Unrestricted Except Nov. 5 (North) and Nov. 10 (South) Opens at sunrise	No Limit		
Fox (Red and Gray)	Nov. 10, 2005 - Jan. 31, 2006 (Statewide). Closed Nov. 18, 19 and through 6 p.m. Nov. 20 and closed Dec. 1-3 and through 6 p.m. Dec. 4 in counties open for firearm deer hunting	Unrestricted Except Nov. 10 Opens at sunrise	No Limit		
Coyote ^h and Striped Skunk	Year round (Statewide). Closed Nov. 18, 19 and through 6 p.m. Nov. 20 and closed Dec. 1-3 and through 6 p.m. Dec. 4 in counties open for firearm deer hunting ^h	1/2 hour before sunrise to 1/2 hr. after sunset; open 24 hours during Nov. 10, 2005-Feb. 15, 2006 ^{d,e}	No Limit		
TRAPPING					
SPECIES	DATES (Inclusive) and ZONES	HOURS	LIMIT		
Raccoon, Opossum, Skunk, Weasel, Mink, Muskrat, Fox (Red and Gray), Coyote, Badger	Nov. 5, 2005 - Jan. 20, 2006 (North) Nov. 10, 2005 - Jan. 25, 2006 (South)	Unrestricted except opening days start at sunrise and closing days end at sunset	No Limit except for badger, which is limited to two per season in the north zone and one per season in the south zone		
Beaver	Nov. 5, 2005 - March 31, 2006 (North) Nov. 10, 2005 - March 31, 2006 (South)				
Woodchuck (Groundhog)	June 1 - Sept. 30 (Statewide)				

^a On the 2nd day of the hunting season, you may possess no more than twice the daily bag limit.

^b 1st season—April 3-7; 2nd season—April 8-13; 3rd season—April 14-19; 4th season—April 20-26; 5th season—April 27-May 4 — South
1st season—April 10-14; 2nd season—April 15-20; 3rd season—April 21-26; 4th season—April 27-May 3; 5th season—May 4-11 — North

^c No permits required for September Canada goose seasons. See page 3 for zone information.

^d During the Archery Deer Season bow hunting hours for coyote, striped skunk, raccoon, opossum, red fox and gray fox will be 1/2 hour before sunrise to 1/2 hour after sunset.

^e Hunters with unfilled firearm deer permits may take coyotes during firearm deer season by shotgun with slugs, muzzleloader or handgun from 1/2 hour before sunrise to sunset.

^f No hunter, regardless of the quantity or type of permits in his/her possession, may harvest more than 2 antlered deer during a year, including the archery, muzzleloader, and firearm seasons. For the purpose of this bag limit, deer seasons are considered to be in the same year if their opening dates are within the same 12-month period that begins July 1.

^g Daily bag limit is 5 in Northeast Canada Goose Zone and 2 in Southern Zone, and that portion of the North and Central Zones outside the Northeast Canada Goose Zone.



Figure 2.

Wildlife management units in Illinois (square miles in parentheses).

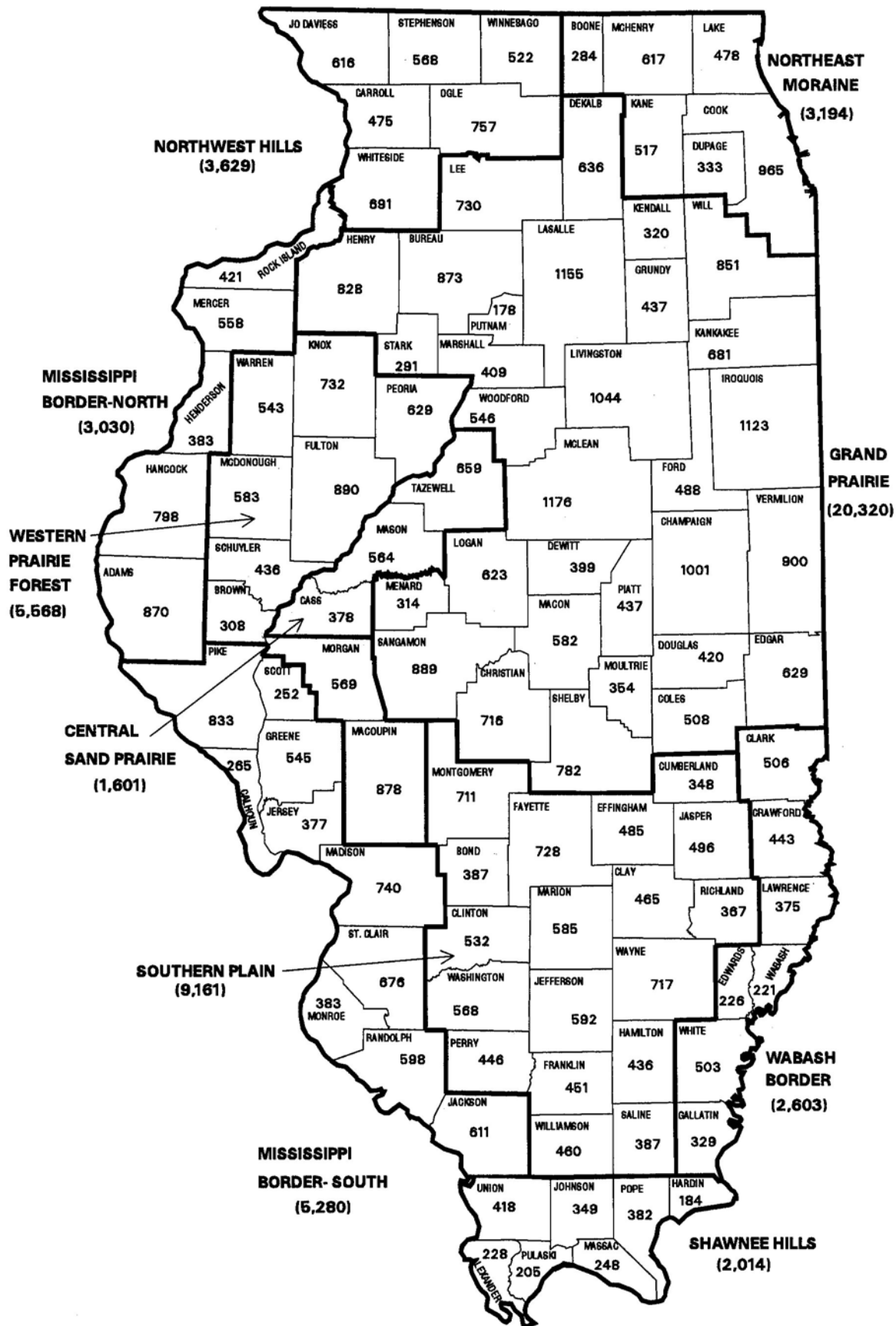


Figure 3.

Administrative regions in Illinois.



Appendix C. Demographic Information about respondents to the 2005-2006 Illinois Hunter Harvest Survey.

Table C1. Gender of respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t=1803$).

	<i>n</i>	%
Male	1735	96%
Female	68	4%

Table C2. Ethnicity of respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t=1803$).

	<i>n</i>	%
White, not of Hispanic origin	1739	96%
American Indian or Alaskan Native	38	2%
Black, not of Hispanic origin	10	1%
Hispanic	16	1%
Asian or Pacific Islander	0	0%

Table C3. Age of respondents to the 2005-2006 Illinois Hunter Harvest Survey as of September 1, 2005.

	<i>n</i>	\bar{x} (years)	Range (years)	Std. Dev. (years)
Age	1735	47.5	9-92	16.92

Table C4. Number of years hunted in Illinois by respondents to the 2005-2006 Illinois Hunter Harvest Survey.

	<i>n</i>	\bar{x} (years)	Range (years)	Std. Dev. (years)
Years hunted in Illinois	1729	31.04	1-77	18.31

Table C5. Proportion of respondents to the 2005-2006 Illinois Hunter Harvest Survey self-identified as baby boomers ($n_t=1731$).

	<i>n</i>	%
Not baby boomer	1136	66%
Baby boomer	595	34%

Table C6 . Military status of respondents to the 2005-2006 Illinois Hunter Harvest Survey ($n_t=1746$).

	<i>n</i>	%
No affiliation with U.S. Armed Forces	1261	72%
Veteran of U.S. Armed Forces	481	28%
Active Duty in U.S. Armed Forces	2	0.1%
Currently serving in U.S. Armed Forces, but not on active duty	2	0.1%

Table C7. County of residence for respondents to the 2005-2006 Hunter Harvest Survey. ($n_t = 1803$)

County	Number of residents	County	Number of residents	County	Number of residents
Adams	81	Hardin	0	Morgan	11
Alexander	8	Henderson	4	Moultrie	14
Bond	11	Henry	18	Ogle	12
Boone	6	Iroquois	9	Peoria	39
Brown	21	Jackson	5	Perry	20
Bureau	13	Jasper	3	Piatt	7
Calhoun	21	Jefferson	2	Pike	7
Carroll	12	Jersey	52	Pope	8
Cass	9	JoDaviess	20	Pulaski	17
Champaign	14	Johnson	4	Putnam	3
Christian	32	Kane	16	Randolph	23
Clark	9	Kankakee	12	Richland	0
Clay	1	Kendall	4	Rock Island	40
Clinton	31	Knox	23	St. Clair	94
Coles	11	Lake	10	Saline	6
Cook	44	LaSalle	23	Sangamon	64
Crawford	4	Lawrence	1	Schuyler	14
Cumberland	9	Lee	19	Scott	5
DeKalb	11	Livingston	22	Shelby	21
DeWitt	14	Logan	5	Stark	2
Douglas	8	McDonough	3	Stephenson	8
DuPage	24	McHenry	26	Tazewell	21
Edgar	2	McLean	43	Union	4
Edwards	4	Macon	78	Vermilion	12
Effingham	11	Macoupin	36	Wabash	10
Fayette	10	Madison	111	Warren	13
Ford	5	Marion	11	Washington	10
Franklin	51	Marshall	8	Wayne	9
Fulton	8	Mason	16	White	5
Gallatin	5	Massac	5	Whiteside	18
Greene	42	Menard	7	Will	41
Grundy	0	Mercer	4	Williamson	2
Hamilton	11	Monroe	7	Winnebago	48
Hancock	21	Montgomery	14	Woodford	10

Table C8. Location of childhood residence of respondents to 2005-2006 Illinois Hunter Harvest Survey ($n_t = 1713$).

	<i>n</i>	%
Rural area	716	42%
Small town (population <10,000)	548	32%
Small city (population= 10,000-99,999)	303	18%
Mid-sized city (population= 100,000-999,999)	87	5%
Large city (population >1 million)	59	3%

Table C9. Location of current residence of respondents to 2005-2006 Illinois Hunter Harvest Survey ($n_t = 1731$).

	<i>n</i>	%
Rural area	682	39%
Small town (population <10,000)	568	33%
Small city (population= 10,000-99,999)	347	20%
Mid-sized city (population= 100,000-999,999)	114	7%
Large city (population >1 million)	20	1%

Table C10. Internet use among respondents to 2005-2006 Illinois Hunter Harvest Survey ($n_t = 1783$).

	<i>n</i>	%
Use the internet	1138	64%
Do not use the internet	645	36%