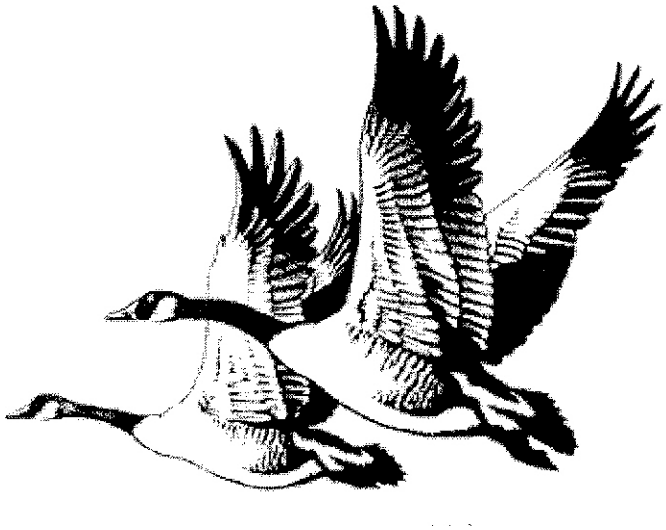
*Human*Dimensions
Research Program

Results of the 2009-2010 Illinois Waterfowl Hunter Survey

Illinois Natural History Survey
Institute of Natural Resource Sustainability
University of Illinois at Urbana-Champaign



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RESULTS OF THE 2009-2010 ILLINOIS WATERFOWL HUNTER SURVEY

JOB COMPLETION REPORT

WILDLIFE HARVEST AND
HUMAN DIMENSIONS RESEARCH PROGRAM

STATE OF ILLINOIS

PROJECT NUMBER: W-112-R-19
STUDY 101
JOB NO. 101.3

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Federal Aid in Wildlife Restoration
W-112-R-19

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ABSTRACT

A total of 2,439 potential Illinois waterfowl hunters returned questionnaires for the 2009-2010 Illinois Waterfowl Hunter Survey (53% response rate). Of the usable returns (2,398), 1,920 (80%) were from respondents who purchased an Illinois Migratory Waterfowl Stamp for the 2009-2010 seasons. These stamp purchasers included 1,616 (67%) individuals who hunted waterfowl in Illinois in 2009-2010.

Based on waterfowl hunting licenses and stamps sold, we estimated 59,987 Illinois waterfowl hunters spent an estimated 1,222,980 days hunting during the 2009-2010 season, and harvested an estimated 613,335 waterfowl. There were an estimated 15,436 September Teal hunters; they spent an estimated 55,139 days hunting, and they harvested an estimated 19,222 Teal. During the regular duck season, 49,648 hunters spent 626,832 days hunting and harvested an estimated 228,211 Mallards, 41,549 Wood Ducks, and 129,795 other ducks, for a total of 399,555 ducks and 3,904 coots. During the regular goose season, an estimated 44,601 hunters spent 473,769 days hunting and harvested 142,836 Canada Geese and 17,382 other geese. The harvest of all geese during the regular goose season in 2009-2010 was estimated at 160,218 birds, compared to a total goose harvest of 160,762 in 2008-2009. Most duck hunters (22,264) were active in the Central Zone, spent 290,800 days hunting, and harvested 184,636 ducks. The North and South Zones accounted for 13,803 and 13,061 duck hunters and 67,500 and 143,459 ducks harvested, respectively. An estimated 0.64 ducks were harvested per hunter per day, and 8.05 ducks harvested per hunter during the entire 2009-2010 season. An estimated 15,102 hunters participated in the early September Canada goose season; 54% of September goose hunters were active in the Central Zone. The 2009-2010 harvest of Canada geese during the September season was estimated to be 16,212 birds. Most respondents reported identifying themselves as waterfowl hunters and considered waterfowl hunting one of their most important recreational activities.

Most duck and goose hunters (81%) have participated in waterfowl hunting every year in the past five years. A majority of those hunters also served as waterfowl hunting mentors.

Hunters' preference for the week they would like to hunt in was variable, likely due to the high number of survey choices and variable hunting preferences for hunters within a zone. The most preferred dates for North Zone hunters were the first (13%) and second week (13%) of November and the third week (13%) of October. Among Central Zone hunters, the third (17%), fourth (14%), and second week (14%) of November represented the most desirable dates. South Zone hunters preferred the fourth week (15%) of November, the second week of December (14%), and the third week of November (11%). A plurality of North and Central Zone duck hunters (36%, and 42%, respectively) preferred the average opening date of duck season near October 25, and the closing date near December 23, 2010. A plurality of South Zone duck hunters preferred the average opening date near November 30, and closing date near January 28. South Zone hunters exhibited no clear preference as to whether they want opening day to fall on Thanksgiving Day or the day after. Most duck hunters in all zones (North, Central, and South) would support a split duck season; however, in the Central Zone there was no difference (42% vs. 41%). Duck hunters in the North and Central Zones prefer the season dates for the split season to fall between October 19-27 and November 9-December 29. In the South Zone, the majority of duck hunters prefer the split duck season to start between November 13-18 and December 3-January 25.

OBJECTIVE

To survey waterfowl (duck, goose, and coot) hunters annually to determine their activities, harvests, characteristics, and opinions in Illinois.

METHODS

A sample of 5,000 potential waterfowl hunters was selected from the population of hunters who registered with the National Migratory Bird Harvest Information Program (HIP) in Illinois the previous year (2008). Survey participants were notified on 14 September 2009 they would receive a questionnaire at the close of the 2009-2010 hunting season. The notice included a 1-page diary for recording hunting activity and waterfowl harvested (Appendix A). After incorrect and duplicate addresses were removed, the sample was reduced to 4,916. On 5 February 2010, these potential hunters were mailed a self-administered, 12-page questionnaire (Appendix B), cover letter (Appendix C), and a postage-paid return envelope. Non-respondents were mailed a thank you/reminder postcard on 19 February 2010 (Appendix D), a second copy of the questionnaire and cover letter (Appendix E) on 8 March 2010, and another thank you/reminder postcard on 22 March 2010. Due to a low response rate, a third mailing consisting of a questionnaire and cover letter was sent on 12 April 2010 (Appendix F). Data were entered and analyzed using SPSS 16.0 (SPSS Inc. 2008).

The total number of active waterfowl hunters was estimated using the number of Illinois Migratory Waterfowl Stamps sold and adjusting for multiple-stamp buyers, non-hunting stamp buyers, and stamp-exempt hunters. Estimates of number of hunters, days hunting, and waterfowl harvested were based on confirmed sales of 68,549 Illinois Migratory Waterfowl stamps (2009-2010 series). The number of Teal, duck, and goose hunters ($Hunt_{sp}$), days hunting ($Days_{sp}$), birds crippled but not retrieved ($Crip_{sp}$) and birds harvested ($Harv_{sp}$) were calculated as follows:

$$Hunt_{sp} = Hunt_r \frac{L_t A_1 A_2}{n},$$

$$Days_{sp} = Days_r \frac{L_t A_1 A_2}{n},$$

$$Crip_{sp} = Crip_r \frac{L_t A_1 A_2}{n},$$

$$Harv_{sp} = Harv_r \frac{L_t A_1 A_2 A_3}{n}$$

where $Hunt_r$ = number of respondents to the 2009-2010 Illinois Waterfowl Hunter Survey who reported hunting each species (adjustment for non-hunters is inherent), L_t = total number of Illinois Migratory Waterfowl Stamps sold in 2009-2010, A_1 = fixed reduction factor for multiple-stamp buyers (0.957; Anderson 1986), A_2 = fixed expansion factor for stamp-exempt hunters (1.086; Anderson et al. 1998), n = number of respondents to the 2009-2010 Illinois Waterfowl Hunter Survey who purchased a stamp, $Days_r$ = total number of days spent hunting reported by respondents, $Crip_r$ = total number of birds crippled but not retrieved reported by respondents, $Harv_r$ = total harvest of each species reported by respondents, A_3 = fixed reduction factor for reporting bias (0.501 for Teal, ducks, and Coots; Anderson et al. 1986; 0.478 for geese; Anderson et al. 1996).

Confidence intervals for the estimated numbers of ducks, coots, and geese harvested were calculated by:

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

where s = standard deviation of total species harvest reported by respondents.

Where appropriate, the findings are presented relative to the North Zone, Central Zone, and South Zone, and within the latter, by selected area: Southern Illinois Quota Zone (SIQZ: Alexander, Jackson, Union, and Williamson counties), Rend Lake area (Franklin and Jefferson counties), and Carlyle Lake area (Bond, Clinton, and Fayette counties). The results from the questionnaire can be located in Appendix B.

SEASON LENGTHS AND BAG LIMITS

The early (September) Teal (*Anas discors* & *Anas crecca*) season extended for 16 days (5-20 September) in 2009, the same season length as in 2008. The daily bag limit was 4 birds in both years. The 2009 early (September) Canada goose (*Branta canadensis*) season was 15 days long with a 5-bird daily bag limit, except in the South Zone, where the limit was 2 birds/day. The duck season spanned 60 days and had a 6-bird limit. The Scaup (*Aythya affinis* & *Aythya marila*) daily bag limit was expanded from 2 birds during 45 days in 2008 to 2 birds daily for the entire 60-day season in 2009. The Canvasback (*Aythya valisineria*) season was reinstated at one bird a day after the season had been closed in 2008. As part of an experimental Canada goose harvest management strategy approved by the U.S. Fish and Wildlife Service, Illinois discontinued the Canada goose harvest quota system for 6 years, beginning in 2006-2007. There have been no quotas, goose hunting permits, or harvest reporting (phone-in) requirements since 2006-2007. The Canada goose season extended for 85 days in the North and Central Zones, and for 66 days in the South Zone. The bag limit was 2 Canada geese per day in all zones. See Appendix G for details of season dates, legal shooting hours, and bag limits for all species.

RESULTS AND DISCUSSION

The questionnaire was not deliverable to 345 recipients, thus the sample population was reduced to 4,571 individuals. A total of 2,439 questionnaires were returned for a response rate of 53%, and 2,398 were considered usable questionnaires. Of these returns, 1,920 (80%) were from respondents who purchased an Illinois Migratory Waterfowl Stamp for the 2009-2010 seasons. These stamp purchasers included 1,616 (67%) individuals who hunted waterfowl in Illinois in 2009-2010.

Hunters were on average 46 years old (n = 2,326). Nearly all were male (98%; n = 2,347) and white, not of Hispanic origin (99%; n = 2,230). Forty-seven percent of hunters resided in a

rural farm or non-farm setting or rural subdivision (n = 2,258). A majority (57%) had a household income $\leq$ $79,999 ($n$ = 1,997). Respondents had hunted waterfowl in Illinois for an average of 22 years (n=2,206). Respondents resided in 99 of Illinois' counties and 27 other states (Appendix H).

Waterfowl Harvest and Hunter Activity

The sale of 68,549 Illinois Migratory Waterfowl Stamps for the 2009 season was very similar to 2008, when 69,590 stamps were sold, and was a 9% increase from the 10-year average. The estimated number of waterfowl hunters increased from 59,379 during the 2008-2009 seasons to 59,987 during the 2009-2010 seasons (Table 1), and was a 6% increase from the 10-year average. Hunters were estimated to spend 1,222,980 days pursuing waterfowl in 2009-2010, which was an increase of 4% from the 1,175,243 days estimated for 2008-2009 and was a 5% increase from the 10-year average. Estimated waterfowl harvest decreased 8%, from 660,306 birds during 2008-2009 season to 613,335 during 2009-2010, and was a 4% decrease from the 10-year average. About one-fourth (28%) of respondents reported hunting ducks only, whereas 8% hunted geese only, and 64% hunted both ducks and geese (Table 2).

September Teal Season – The estimated number of early (September) Teal hunters increased 5% from 14,652 in 2008 to 15,436 in 2009 (Table 3), and increased 21% from the 10-year average. Estimated days of hunting increased 5% from 52,365 during 2008 to 55,139 during 2009, and increased 26% from the 10-year average. The estimated Teal harvest during the 2009 September season totaled 19,222 birds, a slight decrease of 4% from the estimated 19,981 Teal taken during the 2008 season and a decrease of 26% from the 10-year average. The Central Zone accounted for 7,421 (48%) of the September Teal hunters, 27,941 (51%) of the days hunting, and 10,224 (53%) of the Teal harvest in 2009 (Table 4). Statewide, September season Teal hunters averaged 3.6 days hunted in 2009, unchanged from the average 3.6 days in 2008 (Table 5), but a 8% increase from the 10-year average. September season Teal hunters harvested an average of

0.35 Teal per hunter per day (tied for the lowest rate since 1981; 39% decrease from the 10-year average) and 1.25 Teal per hunter per season in 2009 (35% decrease from the 10-year average; Table 5).

Youth Waterfowl Hunting Days - The U.S. Fish and Wildlife Service has allowed Illinois to have 1 or 2 Youth Waterfowl Hunting Days since 1996. Participation in the program increased from 6,402 adults in 2008 to 7,073 adults in 2009, and was a 25% increase from the 5-year average. The number of youths decreased from 9,878 in 2008, to 9,772 in 2009, but was an 18% increase from the 5-year average. The estimated harvest (ducks, geese, and coots combined) by youths increased from 12,087 birds in 2008 to 14,224 birds (18%) in 2009, and was a 43% increase from the 5-year average. Mean age of youths participating in the youth hunt was 13 years, with a range of 6-15 years (n=227). An estimated 15,922 days were hunted by youth, a 24% increase from the 5-year average (Table 6).

Regular Duck Season - The estimated number of duck hunters decreased by 1,035 (2%), from 50,683 during 2008-2009 to 49,648 during 2009-2010, but was an increase of 1% from the 10-year average (Table 7). Duck hunters spent an estimated 626,832 days hunting during 2009-2010; this was a 4% increase from 600,574 days hunting during 2008-2009, but was a 7% decrease from the 10-year average. Mallard (*Anas platyrhynchos*) harvest decreased from 247,895 during the 2008-2009 season to 228,211 during 2009-2010, and was a decrease of 14% from the 10-year average. Harvest of Wood ducks (*Aix sponsa*) decreased by 3%, from an estimated 43,051 in 2008-2009 to an estimated 41,549 in 2009-2010, and was a decrease of 14% from the 10-year average. Harvest of other ducks decreased by 17% from an estimated 156,849 in 2008-2009 to 129,795 in 2009-2010, and was a decrease of 14% from the 10-year average. Total duck harvest during 2009-2010 was estimated at 399,555, which is 11% lower than the 447,795 ducks harvested during the 2008-2009 season and 14% from the 10-year average. Coot (*Fulica*

americana) harvest increased from an estimated 2,266 in 2008-2009 to 3,904 in 2009-2010, and was a 56% increase from the 10-year average (Table 7).

The 2009-2010 duck harvest is presented by waterfowl zones and selected areas in Table 8. Over 46% of the duck harvest occurred in the Central Zone, while 36% of the ducks were harvested in the South Zone and 17% in the North Zone. Statewide, the duck harvest reported per hunter per day decreased from 0.75 ducks per day in 2008-2009 to 0.64 ducks per day in 2009-2010, and was an 11% decrease from the 5-year average (Table 9). Reported duck harvest per hunter for the season decreased slightly from 8.8 in 2008-2009 to 8.1 in 2009-2010, the fourth lowest seasonal harvest per hunter since 60-day seasons began in 1997, and was an 11% decrease from the 5-year average.

Early September Goose Season - An estimated 15,102 hunters participated in the early September Canada goose season in Illinois in 2009, which was a 28% increase from the 5-year average. The majority (54%) of September goose hunters were active in the Central Zone. Harvest of Canada Geese was estimated at 16,212 birds, which is 7% less than the 17,419 harvested in 2008, but was an increase of 13% from the 5-year average. The estimated 8,336 Canada Geese harvested in the Central Zone accounted for 51% of total harvest statewide in 2009. Total days hunted during the September season increased by 12% from an estimated 45,637 in 2008 to 51,318, and was an increase of 30% from the 5-year average (Table 10).

Regular Goose Season - In 2009-2010, an estimated 44,601 goose hunters spent an estimated 473,769 days hunting during the regular goose season (Table 11). Canada goose harvest increased slightly from 142,806 in 2008-2009 to 142,836 in 2009-2010, and was an increase of 27% from the 5-year average. This was the highest Canada goose harvest recorded in Illinois since state estimates began in 1981. The Central Zone accounted for 52% of the reported Canada goose harvest (Table 12). Illinois' Canada goose harvest is summarized by zone and year (2004-

2005 through 2009-2010) in Table 13. Canada goose harvest has shifted dramatically to northern and central Illinois over the past 15 years, a pattern that is likely to continue into the future.

Goose hunters also harvested an estimated 4,470 White-fronted Geese (*Anser albifrons*) and 12,912 snow/blue/Ross' (*Chen caerulescens & Chen rossii*) geese during the regular goose season in 2009-2010 (Table 14). The harvest of geese other than Canada geese (17,382) was the 4th highest on record since 1981. The harvest of all geese during the regular goose season in 2009-2010 was estimated at 160,218 birds (2nd highest recorded since 1981), compared to a total goose harvest of 160,762 in 2008-2009 (Table 11).

Crippling Losses - Crippling losses (birds knocked down but not retrieved) were estimated at 67,718 ducks and 12,245 geese in Illinois during the 2009-2010 regular seasons (Table 15). These estimates, which are indices, equate to 16.9 ducks and 7.6 geese lost per 100 harvested.

Hunter Attitudes and Opinions

Self-Identification as a Waterfowl Hunter – A majority of duck hunters (74%) and goose hunters (55%) identified themselves as waterfowl hunters. Ten percent of duck hunters and 20% of goose hunters identified themselves as trying to learn how to become a waterfowl hunter (Table 16).

Importance of Waterfowl Hunting – Most duck and goose hunters (57%) reported waterfowl hunting as one of his/her most important recreational activities. Another 25% of duck and goose hunters reported waterfowl hunting as his/her most important recreational activity (Table 17). Duck hunters began waterfowl hunting at about 19 years old (*n*=264, mean=18.7 years), while goose hunters began waterfowl hunting at about 23 years old (*n*=159, mean=23.2 years; Table 18). Duck and goose hunters began hunting at about 17 years old (*n*=1,113, mean=17 years).

Duck and goose hunters were asked about their frequency in waterfowl hunting during the past five years. Eighty-one percent of duck and goose hunters have participated in waterfowl hunting every year in the last five years. Almost 8% of duck and goose hunters hunted 4 out of the last 5 years and about 10% hunted 2 or 3 of the last 5 years (Table 19).

A majority (51%) of duck and goose hunters currently serve as a waterfowl hunting mentor. Sixty-six percent of duck and goose hunters reported serving as waterfowl hunting mentors in the past (Table 20).

Satisfaction with September Teal Season Dates – A majority (69%) of survey respondents who reported hunting Teal in Illinois during 2009-2010 were satisfied with the dates (5-20 September) for the early Teal season in 2009 (Table 21). These findings are similar to those measured by the 2008-2009 Illinois Waterfowl Hunter Survey (Lischka et al. 2009) and indicate no immediate need to reconsider the season dates for Teal in September.

Duck Season Dates – When asked how they felt about the dates used for the regular duck season in 2009-2010, a majority of respondents who reported hunting ducks primarily in the North Zone in 2009-2010 indicated they were satisfied (56%). Over twice as many hunters thought the season was too early (28%) than those who thought it was too late (12%). Among Central Zone duck hunters who expressed an opinion, 53% expressed satisfaction with season dates as well. Slightly more hunters (23%) thought the season was too early compared to the 18% who thought it was too late. Whereas, fifty-six percent of the South Zone duck hunters felt the season was too early and only 28% felt it was about right (Table 21).

Canada Goose Season Dates – Majorities of goose hunters in the North Zone (67%), Central Zone (72%), and South Zone (59%) felt the season dates for regular Canada goose season were about right in the zone in which they hunted during the 2009-2010 regular goose season (Table 21). In all 3 goose zones, more than twice as many hunters thought the season was too early compared to those who felt it was too late (Table 21).

Most Preferred Week to Hunt Ducks- The top three choices for North Zone hunters were the first (13%) and second week (13%) of November and the third week (13%) of October. The top three choices for Central Zone hunters were the third (17%), fourth (14%), and second week (14%) of November, while the top three choices for South Zone hunters were the fourth week (15%) of November, the second week of December (14%), and the third week of November (11%; Table 22).

Preferred Duck Hunting Season Dates in South Zone - The vast majority of South Zone duck hunters (66%) preferred November 25-January 23 as the start and end dates for a 60-day season. Of areas examined, the only exception was the Carlyle Lake area; 49% preferred November 13-January 11, however, even in this area 46% preferred November 25 – January 23 (Table 23) and sample sizes are too small to infer any differences.

Preferred Dates of Closed Season for South Zone Canada Goose Hunters - Preference of South Zone Canada goose hunters for dates of season closure, for a 60-day goose season, was to have the season close on Monday, November 29th or Tuesday, November 30th (Table 24).

Preferences for Average Opening and Closing Dates of Duck Season - Duck hunters in the North Zone (36%) indicated they would like the season to open on October 25 and close on December 23, while hunters in the Central Zone (42%) indicated they would like for the season to open on the Saturday nearest October 25 and close nearest Tuesday, December 23 (Tables 25 & 26). Thirty-seven percent of duck hunters in the South Zone indicated they would like the opener to be on Thursday, November 30 and the closing date Sunday, January 28 (Table 27). In the occasion that opening day was to fall on Thanksgiving, 49% of respondents would prefer the opening date occur one day after Thanksgiving, while 47% would prefer the opening date on Thanksgiving (Table 28).

Split Duck Season- Respondents were asked if they would support a split duck season. In the North Zone, duck hunters were largely split on the decision; forty-eight percent reported they

would support a split duck season, while 41% reported they would not support the split season. Results were similar in the Central Zone with 42% supporting the split season, and 41% opposed to the split season, although there is likely no practical difference. In the South Zone a majority (54%) of duck hunters supported the split duck season, while only 34% opposed the split season. The SIQZ, Rend Lake, Carlyle Lake, and "elsewhere in the South Zone" hunting areas all had majorities of duck hunters supporting a split season (55%, 54%, 49%, and 54% respectively; Table 29).

If a split season did exist in Illinois, a majority (52%) of respondents in the North Zone, and Central Zone (51%) would prefer the season to fall between October 19-27 and November 9-December 29 (Table 30). In the South Zone, 51% of duck hunting respondents would prefer the split season to fall in between November 13-18 and December 3-January 25 (Table 31).

Duck Hunting Frequency and Location- Duck hunters resided in 99 of the 102 counties in Illinois (Clay, Hardin, and Stark counties did not have duck hunters who responded to the survey; Appendix H). The county in which duck hunters spent the majority of their time duck hunting can be found in Table 32. Most duck hunters hunted in the Central Zone (46%), followed by the North (28%) and South Zone (26%; Table 33). A majority of hunters feel that the county in which they hunt ducks should remain in the zone where it is now located. Eighty-eight percent of North Zone hunters, 89% of Central Zone hunters, and 92% of South Zone hunters feel the county they hunt ducks in currently should remain in the same zone in the future (Table 34).

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TABLES

Table 1. Summary of Illinois Migratory Waterfowl Stamps purchased, hunter activity, and waterfowl harvest in Illinois from 1981 through 2009 hunting seasons, as estimated by the Illinois Waterfowl Hunter Survey.

Season (Year)	Stamps Purchased	Estimated Hunters	Estimated Days Hunted	Estimated Waterfowl Harvested [a]
1981	61,929	63,652	874,730	413,264
1982	57,691	58,766	795,807	392,897
1983	56,162	58,240	815,523	475,601
1984	55,250	56,533	748,390	420,357
1985	55,670	56,899	699,113	392,253
1986	59,734	61,876	887,446	467,164
1987	58,803 (5,550)[b]	60,371	814,918	354,194
1988 [c]	53,498 (4,350)	53,450	644,056	264,316
1989 [c]	55,693 (3,570)	55,709	749,033	322,359
1990 [c]	55,009 (2,390)	55,152	708,391	270,796
1991 [c]	58,421 (2,130)	59,038	855,279	406,854
1992	51,261 (1,395)	51,274	714,550	292,535
1993	50,976 (995)	51,340	682,498	326,446
1994	57,543 (955)	53,226	816,185	332,803
1995	60,564 (665)	55,454	884,328	498,854
1996	62,417 (545)	56,956	836,793	376,248
1997	59,961 (480)	54,715	881,030	401,236
1998	54,550 (450)	50,288	795,561	471,072
1999	63,782 (350)	58,003	1,472,301	783,195
2000	62,701 (330)	56,954	1,115,076	708,092
2001	63,745 (300)	59,029	1,337,297	695,790
2002	61,345 (1,520)	53,428	1,054,047	504,616
2003	61,991 (260)	57,985	1,251,974	650,906
2004	60,264	54,803	1,083,910	494,775
2005	55,734	48,772	868,299	526,221
2006	63,965	58,302	1,194,801	700,571
2007	66,765	57,454	1,150,304	678,623
2008	69,590	59,379	1,175,243	660,306
2009	68,549	59,987	1,222,980	613,335

[a]Teal, ducks, coots, and geese combined, and including September Teal and Canada goose seasons and youth hunt. The U.S. Fish and Wildlife Service suspended the September Teal season in 1988 through 1991.
[b]Stamps purchased for commercial art purposes. These stamps were not included in the numbers to the left.
[c]Estimates of waterfowl hunters and days afield for these years reduced to 92.48% - 96.48% of the original estimates. Estimates of waterfowl (Teal, ducks, Coots, and geese combined) harvested reduced to 94.54% - 97.74% of original estimates. See Anderson and Williamson (1994) for explanation.

Table 2. The percentage of waterfowl hunters who hunted exclusively ducks, exclusively geese, or both ducks and geese in Illinois from 1981 through 2009 seasons, as estimated by the Illinois Waterfowl Hunter Survey.

Season (Year)	Hunted Ducks Only	Hunted Geese Only	Hunted Both Ducks and Geese	% of Total that Hunted Ducks	% of Total that Hunted Geese
1981	63.0%	14.1%	22.9%	85.9%	37.0%
1982	59.1%	11.1%	29.8%	88.9%	40.9%
1983	55.0%	13.4%	31.6%	86.6%	45.0%
1984	60.3%	12.1%	27.6%	87.9%	39.7%
1985	61.1%	9.7%	29.2%	90.3%	38.9%
1986	51.0%	13.4%	35.6%	86.6%	49.0%
1987	46.6%	14.3%	39.1%	85.7%	53.4%
1988	35.5%	19.1%	45.4%	80.9%	64.5%
1989	29.2%	21.3%	49.5%	78.7%	70.8%
1990	26.7%	29.7%	43.6%	70.3%	73.4%
1991	26.0%	27.3%	46.7%	72.7%	74.0%
1992	31.3%	23.4%	45.3%	76.6%	68.7%
1993	30.9%	20.2%	48.9%	79.8%	69.1%
1994	30.3%	16.5%	53.2%	83.5%	69.7%
1995	33.2%	23.4%	43.4%	76.6%	66.8%
1996	35.8%	22.3%	41.9%	77.7%	64.2%
1997	38.8%	22.2%	39.0%	77.8%	61.2%
1998	47.6%	17.0%	35.4%	83.0%	52.4%
1999	27.2%	10.6%	62.2%	89.4%	72.8%
2000	34.0%	23.1%	42.9%	76.9%	66.0%
2001	33.0%	9.9%	57.1%	90.1%	67.0%
2002	33.8%	10.2%	56.0%	89.8%	66.2%
2003	32.3%	12.6%	55.1%	87.4%	67.7%
2004	32.1%	10.5%	57.4%	89.5%	67.9%
2005	37.2%	11.5%	51.3%	88.5%	62.8%
2006	28.8%	13.5%	57.7%	86.5%	71.2%
2007	27.7%	12.2%	60.1%	87.8%	72.3%
2008	25.9%	10.6%	63.5%	85.4%	74.8%
2009	27.5%	8.4%	64.1%	82.8%	74.4%

Table 3. Summary of Teal harvest and hunter activity during the September Teal season in Illinois from 1981 through 2009, as estimated by the Illinois Waterfowl Hunter Survey.

Year	Estimated Hunters	Estimated Days Hunted	Estimated Teal Harvested
1981	14,802	38,586	22,946
1982	14,863	41,856	28,785
1983	13,295	39,475	29,355
1984	14,158	39,481	32,730
1985	13,852	36,521	29,260
1986	15,449	40,241	30,375
1987	12,297	32,582	23,193
1988 [a]	------	------	------
1989 [a]	------	------	------
1990 [a]	------	------	------
1991 [a]	------	------	------
1992	7,696	18,265	12,069
1993	6,474	16,722	8,562
1994	8,062	20,341	12,436
1995	9,123	24,865	19,731
1996	8,964	22,825	11,565
1997	11,819	32,179	22,005
1998	10,307	33,049	21,270
1999	20,036	74,170	55,199
2000	14,733	52,229	38,597
2001	17,222	61,199	36,013
2002	10,171	29,381	12,542
2003	10,522	34,505	20,453
2004	8,097	23,928	8,463
2005	6,686	17,708	10,953
2006	12,378	43,223	28,016
2007	13,478	48,115	29,800
2008	14,652	52,365	19,981
2009	15,436	55,139	19,222[b]

[a]The September Teal season was suspended by the U.S. Fish and Wildlife Service during these years.
[b]The 95% confidence interval is $\pm$ 7,372.

Table 4. Teal harvest and hunter activity by zones during the September Teal season in Illinois in 2009, as estimated by the Illinois Waterfowl Hunter Survey.

	n	Estimated Hunters	Estimated Days Hunted	Estimated Teal Harvested
North Zone	104	3,859	13,432	2,249
Central Zone	200	7,421	27,941	10,224
South Zone	98	3,636	12,022	6,562
Unknown	14	520	1,744	187
Statewide	416	15,436	55,139	19,222

Table 5. Rates of Teal harvest and hunter activity during the September Teal season in Illinois from 1981 through 2009, as estimated by the Illinois Waterfowl Hunter Survey.

Year	Season Length/ Bag Limit	Days Hunted Per Hunter	Teal Harvest Per Hunter	
			Per Day	Per Season
1981	9/4	2.61	0.59	1.55
1982	9/4	2.82	0.69	1.94
1983	9/4	2.97	0.74	2.21
1984	9/4	2.79	0.83	2.31
1985	9/4	2.64	0.80	2.11
1986	9/4	2.60	0.75	1.97
1987	9/4	2.65	0.71	1.89
1988[a]	----	----	----	----
1989[a]	----	----	----	----
1990[a]	----	----	----	----
1991[a]	----	----	----	----
1992	9/4	2.37	0.66	1.57
1993	9/4	2.58	0.51	1.32
1994	9/4	2.52	0.61	1.54
1995	9/4	2.73	0.79	2.16
1996	9/4	2.55	0.51	1.29
1997	9/4	2.72	0.68	1.86
1998	16/4	3.21	0.64	2.06
1999	16/4	3.70	0.74	2.75
2000	16/4	3.55	0.74	2.62
2001	16/4	3.55	0.59	2.09
2002	9/4	2.89	0.43	1.23
2003	16/4	3.28	0.59	1.94
2004	9/4	2.96	0.35	1.05
2005	9/4	2.65	0.62	1.64
2006	16/4	3.49	0.65	2.26
2007	16/4	3.60	0.62	2.21
2008	16/4	3.57	0.38	1.36
2009	16/4	3.57	0.35	1.25

[a]September Teal season was suspended by the U.S. Fish and Wildlife Service during these years.

Table 6. Waterfowl harvest and hunter activity during Youth Waterfowl Hunting Day(s) in 1996 through 2009, as estimated by the Illinois Waterfowl Hunter Survey.

Year	Length of Season	Estimated Adult Participation	Estimated Youth Participation	Estimated Days Hunting	Mean Youths per Hunting Party
1996	1-day	2,749	4,353	4,353	1.58
1997	1-day	3,163	4.322	4,322	1.37
1998	1-day	3,343	5,142	5,142	1.54
1999	1-day	5,505	8,113	8,113	1.47
2000	2-days	6,815	10,107	14,079	1.48
2001	2-days	9,140	15,148	22,525	1.67
2002	2-days	8,498	13,325	19,548	1.57
2003	2-days	7,415	11,419	17,985	1.54
2004	2-days	5,603	7,891	12,997	1.41
2005	2-days	4,540	6,489	10,268	1.58
2006	2-days	5,447	8,024	11,903	1.48
2007	2-days	6,259	8,981	14,356	1.60
2008	2-days	6,402	9,878	14,799	1.50
2009	2-days	7,073	9,772	15,922	1.63

	Estimated Harvest					
Year	Total Ducks	Ducks per Youth per Day	Total Coots	Coots per Youth per Day	Total Geese	Geese per Youth per Day
1996	3,171	0.73	230	0.05	----[a]	---
1997	3,451	0.80	387	0.09	----[a]	---
1998	4,159	0.81	208	0.04	289	0.06
1999	5,835	0.72	629	0.08	571	0.07
2000	8,388	0.60	38	<0.01	882	0.06
2001	11,727	0.52	480	0.02	971	0.04
2002	9,085	0.46	271	0.01	887	0.05
2003	9,184	0.51	178	0.01	1,116	0.06
2004	7,477	0.58	48	<0.01	561	0.04
2005	5,644	0.55	583	0.06	965	0.09
2006	9,863	0.83	133	0.01	732	0.06
2007	9,141	0.64	850	0.06	1,701	0.12
2008	10,380	0.70	241	0.02	1,466	0.10
2009	11,229	0.71	599	0.04	2,396	0.15

[a] Could not hunt geese during the Youth Waterfowl Hunting Day in 1996 and 1997.

Table 7. Summary of duck and coot harvest and hunter activity during the regular duck season in Illinois from 1981 through 2009, as estimated by the Illinois Waterfowl Hunter Survey.

Season (Year)	Estimated Hunters	Estimated Days Hunted	Estimated Ducks Harvested				Coots
			Mallards	Wood Ducks	Other Ducks	Total	
1981	54,744	703,534	170,972	72,065	94,947	337,984	4,950
1982	52,220	646,394	163,439	61,706	101,989	327,134	5,905
1983	50,440	651,409	220,317	72,237	110,862	403,416	10,472
1984	49,715	606,325	182,132	52,955	120,016	355,103	7,702
1985	51,362	556,800	168,549	51,216	97,155	316,920	5,773
1986	53,588	638,090	201,676	65,414	112,490	379,580	7,372
1987	51,704	558,172	155,783	58,488	74,748	289,019	2,694
1988[a]	43,233	381,985	119,149	23,743	42,836	185,728	1,936
1989[a]	43,841	407,478	133,128	28,065	63,073	224,266	2,049
1990[a]	38,759	350,119	112,370	33,253	51,562	197,185	2,287
1991[a]	42,911	393,247	177,221	49,556	80,793	307,570	1,101
1992	39,272	362,275	124,112	34,280	58,035	216,427	3,275
1993	40,941	366,656	134,334	39,906	43,360	217,600	1,445
1994	44,447	475,264	137,263	44,683	64,998[b]	246,944	3,880
1995	42,499	482,620	230,505	47,155	99,632[b]	377,292	3,386
1996	44,219	460,517	163,311	38,783	82,431[b]	284,525	3,286
1997	42,587	514,934	145,533	44,678	100,950[b]	291,161	3,935
1998	41,755	517,372	200,030	57,393	129,439[b]	386,862	2,920
1999	51,850	860,368	311,325	69,930	181,650[b]	562,905	3,654
2000	43,810	621,542	271,903	58,604	166,834[b]	497,341	2,206
2001	53,194	797,884	305,180	61,515	167,883[b]	534,578	2,904
2002	47,964	642,542	197,392	46,238	106,213[b]	349,843	1,743
2003	50,658	738,914	285,011	48,023	153,165[b]	486,199	1,693
2004	49,046	652,960	207,982	44,725	116,951[b]	369,658	1,607
2005	43,185	539,672	240,897	37,942	133,509[b]	412,348	2,186
2006	50,437	658,881	308,000	38,366	161,098[b]	507,464	3,065
2007	49,114	600,614	265,369	34,628	164,369[b]	464,366	3,771
2008	50,683	600,574	247,895	43,051	156,849[b]	447,795	2,266
2009	49,648	626,832	228,211	41,549	129,795[b]	399,555[c]	3,904[d]

[a]Estimates of duck hunters, days afield, ducks and coots harvested for these years have been reduced to 92.48% - 96.48% of the original estimates. See Anderson and Williamson (1994) for explanation.

[b]Includes 3,760 Canvasback in 1994, 5,393 in 1995, 4,348 in 1996, 5,800 in 1997, 3,948 in 1998, 4,977 in 1999, 4,231 in 2000, 1,968 in 2001, 851 in 2002, 1,789 in 2003, 2,100 in 2004, 3,918 in 2005, 5,927 in 2006 and 5,925 in 2007. The Canvasback season was closed in 2008. Data was not collected in 2009, therefore harvest estimates cannot be calculated.

[c]The 95% confidence interval is $\pm$ 69,698.

[d]The 95% confidence interval is $\pm$ 3,342.

Table 8. Duck harvest and hunter activity by waterfowl zones and selected areas during the regular duck season in Illinois in 2009-2010, as estimated by the Illinois Waterfowl Hunter Survey.

Zone/Area Hunted	*n*	Estimated Hunters	Estimated Days Hunted	Estimated Ducks Harvested
North Zone	372	13,803	136,068	67,500
Central Zone	600	22,264	290,800	184,636
South Zone	352	13,061	195,326	143,459
SIQZ[a]	114	4,230	60,000	35,079
Rend Lake[b]	42	1,558	28,794	21,676
Carlyle Lake[c]	38	1,410	25,529	27,364
Elsewhere in South Zone	158	5,863	81,002	59,339
Unknown	14	520	4,638	3,960
Statewide	1,338	49,648	626,832	399,555

[a]Alexander, Jackson, Union, and Williamson counties.
[b]Franklin and Jefferson counties.
[c]Bond, Clinton, and Fayette counties.

Table 9. Rates of duck harvest and hunter activity during the regular duck season in Illinois from 1981 through 2009, as estimated by the Illinois Waterfowl Hunter Survey.

Year	Season Length/ Bag Limit [a]	Estimated Days Hunted Per Hunter	Estimated Duck Harvest Per Hunter	
			Per Day	Per Season
1981	50/10(4,2)	12.85	0.48	6.17
1982	50/10(4,2)	12.38	0.51	6.26
1983	50/10(4,2)	12.91	0.62	8.00
1984	50/10(4,2)	12.20	0.59	7.14
1985	40/5(3,1)	10.84	0.57	6.17
1986	40/5(3,1)	11.91	0.59	7.08
1987	40/5(3,1)	10.80	0.52	5.59
1988	30/3(2,1)	8.84	0.49	4.30
1989	30/3(2,1)	9.29	0.55	5.12
1990	30/3(2,1)	9.03	0.54	4.90
1991	30/3(2,1)	9.16	0.72	6.57
1992	30/3(2,1)	9.22	0.57	5.22
1993	30/3(2,1)	8.96	0.58	5.21
1994	40/3(2,1)	10.96	0.51	5.47
1995	50/5(4,1)	11.36	0.74	8.40
1996	50/5(4,1)	10.41	0.58	6.03
1997	60/6(4,2)	12.09	0.57	6.84
1998	60/6(4,2)	12.39	0.75	9.27
1999	60/6(4,2)	16.59	0.65	10.86
2000	60/6(4,2)	14.19	0.80	11.36
2001	60/6(4,2)	15.00	0.67	10.05
2002	60/6(4,1)	13.40	0.54	7.29
2003	60/6(4,1)	14.59	0.66	9.60
2004	60/6(4,2)	13.31	0.57	7.54
2005	60/6(4,2)	12.50	0.76	9.55
2006	60/6(4,2)	13.06	0.77	10.06
2007	60/6(4,2)	12.23	0.77	9.45
2008	60/6(4,2)	11.85	0.75	8.84
2009	60/6(4,2)	12.63	0.64	8.05

[a]The Point System was used in 1981-1987 (Havera 1999: 17-18). A maximum of 10 ducks (4 Mallards, 2 hens) was allowed in 1981-1984, and a maximum of 5 ducks (3 Mallards, 1 hen) was allowed in 1985-1987.

Table 10. Canada goose harvest and hunter activity during the early September Canada goose season in Illinois from 2000 through 2009 as estimated by the Illinois Waterfowl Hunter Survey.

		Waterfowl Zone Hunted					
	Statewide	Northeast [a]	North [b]	Central [b]	South [b]	SIQZ[d]	Unknown
Estimated Hunters							
2000	13,289	3,274	2,136	6,908	971		0
2001	20,359	4,510	2,808	10,807	2,085		149
2002	12,459	3,079	1,438	6,665	952[c]	183	142
2003	14,973	3,578	1,954	7,761	1,128[c]	220	332
2004	11,170	2,721	1,529	6,220	803[c]	181	0
2005	9,448	2,452	1,497	5,034	878[c]	207	0
2006	12,609	2,972	1,876	6,607	981[c]	173	0
2007	12,788	2,726	1,997	6,413	1,498[c]	154	0
2008	13,157	2,542	2,392	6,690	1,159[c]	374	0
2009	15,102	2,783	2,449	8,089	1,373[c]	408	0
Estimated Days Hunted							
2000	47,831	9,378	8,018	27,078	3,357		0
2001	73,587	15,360	10,999	40,208	6,318		702
2002	39,485	10,028	4,275	21,049	3,261[c]	831	41
2003	51,083	12,028	6,771	26,532	4,376[c]	1,046	330
2004	37,941	8,241	6,038	19,670	2,307[c]	285	0
2005	29,143	6,892	5,292	14,352	2,065[c]	542	0
2006	42,444	9,406	7,329	22,621	2,424[c]	664	0
2007	41,549	7,334	6,835	22,080	4,954[c]	346	0
2008	45,637	10,054	7,251	23,174	4,224[c]	934	0
2009	51,318	11,020	8,571	26,048	4,379[c]	1,299	0
Estimated Canada Goose Harvest							
2000	15,897	4,143	2,048	8,774	932		0
2001	26,021	8,151	2,828	13,170	1,580		290
2002	21,534	7,165	1,806	11,130	1,335[c]	98	0
2003	15,267	4,259	1,648	7,103	1,782[c]	439	36
2004	13,587	4,422	1,897	5,915	711[c]	56	0
2005	9,896	3,702	1,160	4,047	888[c]	99	0
2006	14,578	4,813	1,958	6,717	828[c]	262	0
2007	16,207	3,781	2,276	8,645	1,432[c]	73	0
2008	17,419	4,359	2,984	8,951	1,000[c]	125	0
2009	16,212	3,086	3,015	8,336	1,490[c]	284	0

[a]Cook, Du Page, Grundy, Kane, Kankakee, Kendall, Lake, McHenry, and Will counties (bag limit = 5).
[b]Daily bag limit is five in North & Central Zones and 2 in the South Zone.
[c]Excluding SIQZ.
[d] Alexander, Jackson, Union, and Williamson counties.

Table 11. Summary of goose harvest and hunter activity during the regular goose season in Illinois from 1981 through 2009, as estimated by the Illinois Waterfowl Hunter Survey.

Season (Year)	Estimated Hunters	Estimated Days Hunted	Estimated Goose Harvest		
			Canada Geese	Other Geese	Total
1981	23,610	132,610	44,302 (6,312[a])	3,082 (1,719[a])	47,384 (8,031[a])
1982	24,058	107,557	29,574 (4,968)	1,499 (710)	31,073 (5,678)
1983	26,199	124,639	31,395 (4,325)	962 (577)	32,357 (4,902)
1984	22,426	102,583	23,147 (2,859)	1,675 (593)	24,822 (3,452)
1985	22,160	105,792	37,976 (5,248)	2,324 (753)	40,300 (6,001)
1986	30,327	200,291	45,535 (11,348)	2,625 (832)	48,160 (12,180)
1987	32,246	224,164	36,103 (3,563)	1,525 (499)	37,628 (4,062)
1988[b]	34,456	251,176	72,550 (3,871)	1,832 (350)	74,382 (4,221)
1989[b]	39,459	329,369	91,379 (2,988)	1,715 (182)	93,094 (3,170)
1990[b]	40,459	346,036	67,127 (1,515)	1,319 (97)	68,446 (1,612)
1991[b]	43,692	450,807	92,239 (1,245)	2,434 (70)	94,673 (1,315)
1992	35,253	334,010	59,352 (2,679)	1,412 (170)	60,764 (2,849)
1993	35,489	299,120	93,361 (1,260)	1,314 (82)	94,675 (1,342)
1994	37,090	320,580	67,790 (1,895)	1,753 (77)	69,543 (1,972)
1995	37,060	367,341	92,478 (4,034)	3,183 (245)	95,661 (4,279)
1996	36,582	339,253	65,864 (2,527)	4,939 (114)	70,803 (2,641)
1997	33,498	295,107	61,282 (4,772)	7,572 (438)	68,854 (5,210)
1998	26,343	202,676	43,222 (2,463)	4,290 (305)	47,512 (2,968)
1999	42,246	464,769	119,611 (1,846)	14,568 (152)	134,179 (1,998)
2000	37,593	383,367	128,387 (1,406)	16,356 (0)	144,743 (1,406)
2001	39,570	382,102	64,907 (1,761)	18,189 (263)	83,096 (2,024)
2002	35,352	323,091	89,297 (3,259)	19,414 (1,433)	108,711 (4,692)
2003	39,275	409,487	83,207 (1,526)	10,458 [c] (342)	93,665 [c] (1,868)
2004	37,189	345,279	81,859 (3,418)	8,231 (349)	90,090 (3,767)
2005	30,614	271,708	74,293 (1,653)	9,353 (62)	83,646 (1,715)
2006	41,521	438,350	122,294 (1,338)	14,426 (869)	136,720 (2,207)
2007	43,046	445,670	141,205 (404)	11,582 (55)	152,787 (459)
2008	44,404	461,868	142,806 (590)	17,956 (0)	160,762 (590)
2009	44,601	473,769	142,836 (585)	17,382 (355)	160,218[d] (940)

[a]Number of geese harvested while duck hunting.
[b]The estimates of goose hunters and days hunted for these years have been reduced to 92.48%-96.48% of the original estimates. The estimates for geese harvested have not been reduced. See Anderson and Williamson (1994) for explanation.
[c]Reduced by 23,151 from estimate given in 2002 report to exclude Conservation Order snow goose harvest.
[d]The 95% confidence interval is $\pm$ 36,569.

Table 12. Goose harvest and hunter activity by zones and selected areas in Illinois in 2009-2010 as estimated by the Illinois Waterfowl Hunter Survey.

Zone/Area Hunted	*n*	Estimated Hunters	Estimated Days Hunted	Estimated Goose Harvest			
				Canada Geese	White-Fronted Geese	Snow/Blue Geese-Regular Season	Total Geese
North Zone							
North Quota[a]	195	7,236	74,583	23,856	124	35	24,015
North Non-Quota[a]	147	5,454	50,984	10,962	53	125	11,140
Total	342	12,690	125,567	34,818	177	160	35,155
Central Zone							
Central Quota[a]	302	11,206	117,218	38,135	514	497	39,146
Central Non-Quota[a]	247	9,165	111,466	35,615	710	5,214	41,539
Total	549	20,371	228,684	73,750	1,224	5,711	80,685
South Zone							
SIQZ[b]	97	3,599	44,564	12,522	479	390	13,391
Rend Lake Non-Quota[c]	37	1,373	14,731	4,044	656	3,938	8,638
Carlyle Lake Non-Quota[d]	20	742	6,902	2,412	231	124	2,767
Elsewhere Non-Quota	142	5,269	51,466	14,935	1,685	2,501	19,121
Total	296	10,983	117,663	33,913	3,051	6,953	43,917
Unknown	15	557	1,855	355	18	88	461
Statewide	1,202	44,601	473,769	142,836	4,470	12,912	160,218

[a]These "zones" were discontinued beginning with the 2006-2007 season.
[b]Alexander, Jackson, Union, and Williamson counties.
[c]Franklin and Jefferson counties.
[d]Bond, Clinton, and Fayette counties.

Table 13. Canada goose harvest by zones and selected areas during the regular goose season in Illinois from 2004-05 through 2009-10, as estimated by the Illinois Waterfowl Hunter Survey. See Table 12 for sample sizes for 2009-10.

	Estimated Canada Goose Harvest							
	04-05	05-06	06-07	3-year mean 04-06	07-08	08-09	09-10	3-year mean 07-09
North Zone								
North Quota[a]	13,188	13,665	29,887	18,913	30,836	31,802	23,856	28,831
North Non-Quota[a]	11,160	8,983	14,813	11,652	15,694	14,061	10,962	13,572
Total	24,348	22,648	44,700	30,565	46,530	45,863	34,818	42,404
Central Zone								
Central Quota[a]	25,648	20,884	40,948	29,160	44,180	36,930	38,135	39,748
Central Non-Quota[a]	17,187	16,886	21,916	18,663	26,854	31,623	35,615	31,364
Total	42,835	37,770	62,864	47,823	71,034	68,553	73,750	71,112
South Zone								
SIQZ[b]	6,403	7,083	6,468	6,651	9,600	10,041	12,522	10,721
Rend Lake Non-Quota[c]	2,148	765	1,876	1,596	1,707	2,948	4,044	2,900
Carlyle Lake Non-Quota[d]	572	864	386	607	1,689	661	2,412	1,587
Elsewhere Non-Quota	5,524	5,040	4,165	4,910	8,168	14,240	14,935	12,448
Total	14,647	13,752	12,895	13,765	21,163	27,890	33,913	27,655
Unknown	29	123	1,835	662	2,478	500	355	1,111
Statewide	81,859	74,293	122,294	92,815	141,205	142,806	142,836	142,282

[a]These "quota zones" were discontinued beginning with the 2006-2007 season.
[b]Alexander, Jackson, Union, and Williamson counties. These "quota zones" were discontinued beginning with the 2006-2007 season.
[c]Franklin and Jefferson counties. Note: this quota zone was discontinued in 2002.
[d]Bond, Clinton, and Fayette counties. These "quota zones" were discontinued beginning with the 2006-2007 season.

Table 14. Harvest of geese other than Canada geese in Illinois from 1996-1997 through 2009-2010, as estimated by the Illinois Waterfowl Hunter Survey.

Season (Year)	Estimated Goose Harvest			
	White-Fronted Geese	Snow/Blue Geese Regular Season [a]	Others	Total
1996	--- [b]	4,063	876	4,939
1997	---	5,941	1,631	7,572
1998	---	3,734	556	4,290
1999	2,173	12,220	175	14,568
2000	1,131	14,797	428	16,356
2001	2,579	15,319	291	18,189
2002	1,413	16,097	1,904	19,414
2003	2,831	7,627	--- [b]	10,458 [c]
2004	2,330	5,901	---	8,231
2005	2,184	7,169	---	9,353
2006	4,648	9,778	---	14,426
2007	4,882	6,700	---	11,582
2008	7,951	10,005	---	17,956
2009	4,470	12,912	---	17,382

[a]Regular goose seasons.
[b]Not listed in questionnaire.
[c]Reduced by 23,151 from estimate given in 2002 report to exclude Conservation Order snow goose harvest.

Table 15. Summary of the number of ducks and geese that were crippled (knocked down but not retrieved) during the regular season in Illinois from 1981-82 through 2009-10, as estimated by the Illinois Waterfowl Hunter Survey.

	Estimated Ducks		Estimated Geese	
Year	Total	Per 100 Bagged	Total	Per 100 Bagged
1981	104,216	30.8	12,573	26.5
1982	82,287	25.2	5,868	18.9
1983	96,907	24.0	7,627	23.6
1984	84,665	23.8	5,711	23.0
1985	100,191	31.6	15,918	39.5
1986	145,283	38.3	20,699	41.5
1987	98,155	34.0	18,375	48.8
1988 [a]	65,856	35.5	22,730	30.6
1989 [a]	66,150	29.5	21,696	23.3
1990 [a]	59,007	29.9	23,895	34.9
1991 [a]	74,932	24.4	27,164	28.7
1992	68,027	31.4	18,631	32.1
1993	62,250	28.6	21,067	22.3
1994	65,266	26.4	16,234	23.3
1995	86,834	23.0	18,391	19.2
1996	64,324	22.6	16,641	23.5
1997	67,979	23.3	12,490	18.1
1998	74,679	19.3	5,514	11.6
1999	95,961	17.0	12,934	9.6
2000	70,423	14.2	10,071	7.0
2001	88,019	16.5	7,148	8.6
2002	59,005	16.9	6,382	5.9
2003	77,361	15.9	12,661	10.8
2004	63,765	17.2	9,433	10.5
2005	68,121	16.5	7,666	9.2
2006	83,648	16.5	14,110	10.3
2007	77,914	16.8	16,627	10.9
2008	74,044	16.5	14,166	8.8
2009	67,718	16.9	12,245	7.6

[a] The estimates of ducks and geese crippled for these years have been reduced to 92.48% - 96.48% of the original estimates. The estimates for the number of geese crippled per 100 bagged have been similarly reduced. See Anderson and Williamson (1994) for explanation.

Table 16. Self-identification as a waterfowl hunter, as reported by respondents to the 2009-2010 Illinois Waterfowl Hunter Survey. Duck hunters are respondents who reported hunting ≥1 day hunting ducks in Illinois and no days hunting geese. Goose hunters are respondents who reported hunting ≥1 day hunting geese in Illinois and no days hunting ducks. Both hunters are respondents who reported hunting ≥1 day hunting ducks and geese in Illinois.

	Duck Hunters		Goose Hunters		Duck and Goose Hunters	
	n	%	*n*	%	*n*	%
I am not involved in waterfowl hunting now, but could see myself becoming a waterfowl hunter in the future.	0	0.0%	0	0.0%	3	0.3%
I am learning how to become a waterfowl hunter.	26	9.9%	32	20.4%	89	8.1%
I think of myself as a waterfowl hunter.	195	74.4%	86	54.8%	919	83.2%
I used to think of myself as a waterfowl hunter, but no longer think of myself in those terms.	19	7.3%	12	7.6%	49	4.4%
I don't think of myself as a waterfowl hunter, even though I have occasionally gone waterfowl hunting.	21	8.0%	27	17.2%	43	3.9%
I don't think of myself as a waterfowl hunter and I don't see myself becoming one.	1	0.4%	0	0.0%	2	0.2%

Table 17. Importance of waterfowl hunting, as reported by respondents to the 2009-2010 Illinois Waterfowl Hunter Survey. Duck hunters are respondents who reported hunting ≥1 day hunting ducks in Illinois and no days hunting geese. Goose hunters are respondents who reported hunting ≥1 day hunting geese in Illinois and no days hunting ducks. Both hunters are respondents who reported hunting ≥1 day hunting ducks and geese in Illinois.

	Duck Hunters		Goose Hunters		Duck and Goose Hunters	
	n	%	*n*	%	*n*	%
My most important recreational activity	42	15.7%	11	6.9%	280	25.0%
One of my most important recreational activities	145	54.3%	67	42.1%	634	56.5%
No more important that my other recreational activities	55	20.6%	56	35.2%	153	13.6%
Less important than my other recreational activities	19	7.1%	22	13.8%	49	4.4%
One of my least important recreational activities	6	2.2%	3	1.9%	6	0.5%

Table 18. Mean age at which respondents to the 2009-2010 Illinois Waterfowl Hunter Survey began waterfowl hunting. Duck hunters are respondents who reported hunting ≥1 day hunting ducks in Illinois and no days hunting geese. Goose hunters are respondents who reported hunting ≥1 day hunting geese in Illinois and no days hunting ducks. Both hunters are respondents who reported hunting ≥1 day hunting ducks and geese in Illinois.

	Duck Hunters		Goose Hunters		Duck and Goose Hunters	
	n	$\bar{x}$	*n*	$\bar{x}$	*n*	$\bar{x}$
Age when began waterfowl hunting	264	18.7 years	159	23.2 years	1113	17.2 years

Table 19. Frequency of participation in waterfowl hunting, as reported by respondents the 2009-2010 Illinois Waterfowl Hunter Survey. Duck hunters are respondents who reported hunting ≥1 day hunting ducks in Illinois and no days hunting geese. Goose hunters are respondents who reported hunting ≥1 day hunting geese in Illinois and no days hunting ducks. Both hunters are respondents who reported hunting ≥1 day hunting ducks and geese in Illinois.

	Duck Hunters		Goose Hunters		Duck and Goose Hunters	
	n	%	*n*	%	*n*	%
Every year in the last 5 years	201	74.2%	95	59.4%	915	81.3%
About 4 of the last 5 years	28	10.3%	19	11.9%	86	7.6%
About 2 or 3 of the last 5 years	35	12.9%	43	26.9%	109	9.7%
About 1 of the last 5 years	6	2.2%	3	1.9%	13	1.2%
Never	1	0.4%	0	0.0%	2	0.2%

Table 20. Frequency of mentoring activities, as reported by respondents the 2009-2010 Illinois Waterfowl Hunter Survey. Duck hunters are respondents who reported hunting ≥1 day hunting ducks in Illinois and no days hunting geese. Goose hunters are respondents who reported hunting ≥1 day hunting geese in Illinois and no days hunting ducks. Both hunters are respondents who reported hunting ≥1 day hunting ducks and geese in Illinois.

	Duck Hunters		Goose Hunters		Duck and Goose Hunters	
	n	%	*n*	%	*n*	%
I currently serve as a waterfowl hunting mentor.	91	66.3%	52	32.5%	137	50.7%
I served as a waterfowl hunting mentor in the past.	137	50.7%	73	45.9%	734	65.5%

Table 21. Opinions of hunters in each listed season about the dates of the 2009-2010 waterfowl hunting seasons. Only respondents who reported hunting in the listed season were included in the results for that season.

Season	*n*	Too early	About right	Too late	Not sure
Teal Season	1,034	14.4%	68.8%	4.3%	12.6%
NZ Duck Season	384	28.1%	56.0%	12.0%	3.9%
CZ Duck Season	628	22.9%	52.9%	18.3%	5.9%
SZ Duck Season	366	55.7%	27.6%	12.0%	4.6%
NZ Canada Goose Season	357	19.3%	66.9%	9.5%	4.2%
CZ Canada Goose Season	609	18.2%	71.8%	5.9%	4.1%
SZ Canada Goose Season	323	29.1%	58.8%	5.3%	6.8%

Table 22. Most preferred week to hunt ducks in Illinois, as reported by respondents to the 2009-2010 Illinois Waterfowl Hunter Survey. Only respondents who reported hunting ducks in the listed zone were included in the results for that season.

	North Zone Hunters		Central Zone Hunters		South Zone Hunters	
	n	%	*n*	%	*n*	%
1st week of October	24	6.8%	6	1.1%	3	0.9%
2nd week of October	31	8.8%	14	2.5%	2	0.6%
3rd week of October	45	12.7%	44	7.9%	2	0.6%
4th week of October	41	11.6%	52	9.4%	13	3.8%
1st week of November	47	13.3%	58	10.4%	13	3.8%
2nd week of November	46	13.0%	76	13.7%	29	8.6%
3rd week of November	37	10.5%	93	16.7%	37	10.9%
4th week of November	36	10.2%	80	14.4%	52	15.3%
1st week of December	21	5.9%	47	8.5%	27	8.0%
2nd week of December	13	3.7%	30	5.4%	46	13.6%
3rd week of December	10	2.8%	26	4.7%	31	9.1%
4th week of December	1	0.3%	17	3.1%	27	8.0%
1st week of January	2	0.6%	7	1.3%	12	3.5%
2nd week of January	0	0.0%	3	0.5%	16	4.7%
3rd week of January	0	0.0%	3	0.5%	14	4.1%
4th week of January	0	0.0%	0	0.0%	15	4.4%

Table 23. Preferences for dates for a 60-day duck season in the South Zone, as reported in the 2009-2010 Illinois Waterfowl Hunter Survey. Responses include only south zone duck hunters who hunted at least one day during the 2009-2010 season in Illinois.

Zone/Area Hunted	*n*	Nov.13-Jan.11	Nov.25-Jan.23	I am not sure
South Zone	342	29.2%	66.4%	4.4%
SIQZ[a]	107	15.9%	81.3%	2.8%
Rend Lake[b]	40	35.0%	60.0%	5.0%
Carlyle Lake[c]	39	48.7%	46.2%	5.1%
Elsewhere in	156	32.1%	62.8%	5.1%

[a]Alexander, Jackson, Union, and Williamson counties.
[b]Franklin and Jefferson counties.
[c]Bond, Clinton, and Fayette counties.

Table 24. Preference for date of season closure during a 60-day goose season in the South Zone, as reported in the Illinois Waterfowl Hunter Survey. Responses include only south zone Canada goose hunters who hunted at least one day during the 2009-2010 season in Illinois.

Zone/Area Hunted	*n*	Closed on Mon. and Tues., Nov. 29-30, 2010	Closed on Thurs. and Fri., Dec. 2-3, 2010	Closed on Mon. and Tues., Dec. 6-7, 2010	I am not sure
South Zone	291	49.5%	29.2%	9.3%	12.0%
SIQZ[a]	94	53.2%	29.8%	8.5%	8.5%
Rend Lake[b]	34	47.1%	17.6%	14.7%	20.6%
Carlyle Lake[c]	19	52.6%	31.6%	5.3%	10.5%
Elsewhere in South Zone	144	47.2%	31.3%	9.0%	12.5%

[a]Alexander, Jackson, Union, and Williamson counties.
[b]Franklin and Jefferson counties.
[c]Bond, Clinton, and Fayette counties.

Table 25. Preferences for average opening and ending dates of a 60-day duck season in the north zone in Illinois, as reported in the Illinois Waterfowl Hunter Survey. Responses include only respondents who hunted at least one day during the 2009-2010 season in Illinois in the north zone.

Zone Hunted	*n*	Open Sat. near Oct. 11, close Tues. near Dec. 9	Open Sat. near Oct. 18, close Tues. near Dec. 16	Open Sat. near Oct. 25, close Tues. near Dec. 23	I am not sure
North Zone	372	26.1%	31.5%	35.8%	6.7%

Table 26. Preferences for average opening and ending dates of a 60-day duck season in the central zone in Illinois, as reported in the Illinois Waterfowl Hunter Survey. Responses include only respondents who hunted at least one day during the 2009-2010 season in Illinois in the listed zone or area.

Zone Hunted	*n*	Open Sat. near Oct. 25, close Tues. near Dec. 23	Open Sat. near Nov. 2, close Tues. near Dec. 30	Open Thurs. near Nov. 9, close Sun. near Jan. 7	I am not sure
Central Zone	609	41.7%	25.5%	27.1%	5.7%

Table 27. Preferences for average opening and ending dates of a 60-day duck season in the south zone in Illinois, as reported in the Illinois Waterfowl Hunter Survey. Responses include only respondents who hunted at least one day during the 2009-2010 season in Illinois in the listed zone or area.

Zone/Area Hunted	*n*	Open Sat. near Nov. 13, close Tues. near Jan.11	Open Thurs. near Nov. 25, close Sun. near Jan. 23	Open Thurs. near Nov. 30, close Sun. near Jan. 28	I am not sure
South Zone	341	27.6%	31.1%	37.2%	4.1%
SIQZ[a]	108	15.7%	38.0%	44.4%	1.9%
Rend Lake[b]	40	32.5%	37.5%	27.5%	2.5%
Carlyle Lake[c]	38	50.0%	21.1%	28.9%	0.0%
Elsewhere in South Zone	155	29.0%	27.1%	36.8%	7.1%

[a]Alexander, Jackson, Union, and Williamson counties.
[b]Franklin and Jefferson counties.
[c]Bond, Clinton, and Fayette counties.

Table 28. Preference for opening day of the South Zone when it falls on "Thanksgiving Day", as reported in the Illinois Waterfowl Hunter Survey. Responses include only south zone duck hunters who hunted at least one day during the 2009-2010 season in Illinois.

Zone/Area Hunted	*n*	Thanksgiving Day (Thursday)	The day after Thanksgiving (Friday)	I am not Sure
South Zone	336	47.3%	49.4%	3.3%
SIQZ[a]	108	41.7%	55.6%	2.8%
Rend Lake[b]	38	63.2%	34.2%	2.6%
Carlyle Lake[c]	37	45.9%	54.1%	0.0%
Elsewhere in South Zone	153	47.7%	47.7%	4.6%

[a]Alexander, Jackson, Union, and Williamson counties.
[b]Franklin and Jefferson counties.
[c]Bond, Clinton, and Fayette counties.

Table 29. Support for a split duck season in Illinois, as reported by respondents to the 2009-2010 Illinois Waterfowl Hunter Survey. Respondents reported hunting ducks at least one day during the 2009-2010 season in the listed zones.

Zone/Area Hunted	*n*	Yes, I would support split duck seasons.	No, I would not support split duck seasons	I am not sure
North Zone	359	48.2%	40.7%	11.1%
Central Zone	566	42.0%	40.8%	17.1%
South Zone	341	53.7%	34.3%	12.0%
SIQZ[a]	113	54.9%	35.4%	9.7%
Rend Lake[b]	39	53.8%	30.8%	15.4%
Carlyle Lake[c]	37	48.6%	43.2%	8.1%
Elsewhere in South Zone	152	53.9%	32.2%	13.8%

[a]Alexander, Jackson, Union, and Williamson counties.
[b]Franklin and Jefferson counties.
[c]Bond, Clinton, and Fayette counties.

Table 30. Preference for season dates in the north/central zone if a split duck season were used, as reported by respondents to the 2009-2010 Illinois Waterfowl Hunter Survey. Respondents include those who reported hunting ducks at least one day during the 2009-2010 season in the north or central zone.

Zone	*n*	Oct. 19-27 and Nov.2-Dec.22	Oct. 19-27 and Nov.9-Dec.29	I am not sure
North Zone	229	33.2%	52.0%	14.8%
Central Zone	357	28.6%	50.7%	20.7%

Table 31. Preference for season dates in the south zone if a split duck season were used, as reported by respondents to the 2009-2010 Illinois Waterfowl Hunter Survey. Respondents include those who reported hunting ducks at least one day during the 2009-2010 season in the south zone.

Zone	*n*	Nov.13-18 and Dec. 3-Jan.25	Nov.13-Dec.12 and Dec. 26-Jan.24	I am not sure
South Zone	236	50.8%	33.1%	16.1%

Table 32. Counties most often hunted for ducks, as reported by respondents to the 2009-2010 Illinois Waterfowl Hunter Survey (*n*=1,752).

County	***n***	**%**	**County**	***n***	**%**	**County**	***n***	**%**
Adams	27	1.5	Hardin	0	0.0	Morgan	5	0.3
Alexander	27	1.5	Henderson	24	1.4	Moultrie	11	0.6
Bond	3	0.2	Henry	5	0.3	Ogle	9	0.5
Boone	9	0.5	Iroquois	8	0.5	Peoria	16	0.9
Brown	2	0.1	Jackson	25	1.4	Perry	30	1.7
Bureau	26	1.5	Jasper	11	0.6	Piatt	2	0.1
Calhoun	49	2.8	Jefferson	30	1.7	Pike	31	1.8
Carroll	42	2.4	Jersey	30	1.7	Pope	3	0.2
Cass	22	1.3	JoDaviess	25	1.4	Pulaski	13	0.7
Champaign	9	0.5	Johnson	5	0.3	Putnam	22	1.3
Christian	9	0.5	Kane	35	2.0	Randolph	33	1.9
Clark	0	0.0	Kankakee	30	1.7	Richland	1	0.1
Clay	0	0.0	Kendall	14	0.8	Rock Island	30	1.7
Clinton	23	1.3	Knox	13	0.7	St. Clair	37	2.1
Coles	3	0.2	Lake	54	3.1	Saline	2	0.1
Cook	9	0.5	LaSalle	30	1.7	Sangamon	10	0.6
Crawford	2	0.1	Lawrence	8	0.5	Schuyler	7	0.4
Cumberland	4	0.2	Lee	6	0.3	Scott	1	0.1
DeKalb	8	0.5	Livingston	10	0.6	Shelby	15	0.9
DeWitt	14	0.8	Logan	2	0.1	Stark	0	0.0
Douglas	1	0.1	McDonough	3	0.2	Stephenson	5	0.3
DuPage	5	0.3	McHenry	53	3.0	Tazewell	30	1.7
Edgar	2	0.1	McLean	7	0.4	Union	43	2.4
Edwards	3	0.2	Macon	9	0.5	Vermilion	11	0.6
Effingham	1	0.1	Macoupin	15	0.9	Wabash	3	0.2
Fayette	32	1.8	Madison	32	1.8	Warren	0	0.0
Ford	2	0.1	Marion	7	0.4	Washington	6	0.3
Franklin	31	1.8	Marshall	23	1.3	Wayne	5	0.3
Fulton	86	4.9	Mason	57	3.2	White	1	0.1
Gallatin	2	0.1	Massac	11	0.6	Whiteside	31	1.8
Greene	9	0.5	Menard	1	0.1	Will	73	4.2
Grundy	45	2.6	Mercer	13	0.7	Williamson	54	3.1
Hamilton	1	0.1	Monroe	15	0.9	Winnebago	29	1.6
Hancock	18	1.0	Montgomery	19	1.1	Woodford	34	1.9

Table 33. Zone most often hunted for ducks, as reported by respondents to the 2009-2010 Illinois Waterfowl Hunter Survey (*n*=1,760).

	n	%
North Zone	499	28.4%
Central Zone	805	45.7%
South Zone	456	25.9%

Table 34. Preference for the zone in which county duck hunted most often should be located, as reported by respondents to the 2009-2010 Illinois Waterfowl Hunter Survey. North Zone hunters are those who reported hunting ducks most often in the north zone in 2009-2010. Central Zone hunters are those who reported hunting ducks most often in the central zone in 2009-2010. South Zone hunters are those who reported hunting ducks most often in the south zone in 2009-2010.

	North Zone Hunters		Central Zone Hunters		South Zone Hunters	
I feel the county I hunt ducks in should be in the…	*n*	%	*n*	%	*n*	%
North Zone	429	87.6%	45	5.7%	1	0.2%
Central Zone	58	11.8%	697	88.3%	33	7.4%
South Zone	3	0.6%	47	6.0%	414	92.4%

APPENDICES

Appendix A. Hunting record forms for recording hunter activity and harvest during the 2009-2010 waterfowl season in Illinois.

2009-2010 Waterfowl Hunting Record – Ducks

(Record your **personal harvest only.**)

Date of Hunt	County	Sept. Teal	Teal	Mallard	Wood duck	Canvasback	Other ducks	Coots	Ducks downed, not retrieved

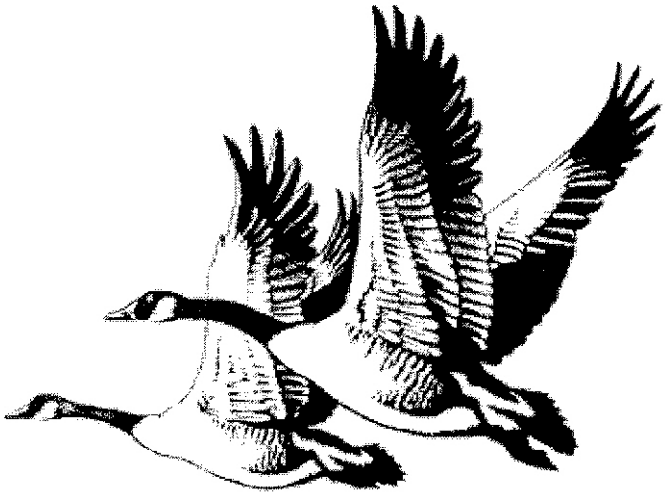
2009-2010 Waterfowl Hunting Record – Geese

(Record your **personal harvest only**.)

Date of Hunt	County	Sept. Canada Geese	Canada Geese	Snow/ Blue/Ross' Geese	White-fronted (Specklebelly) Geese	Other Geese (Brant, etc.)	Geese downed not retrieved

Appendix B. Survey instrument and results for the 2009-2010 Illinois Waterfowl Hunter Survey.

Illinois Waterfowl Hunter Survey
2009-2010 Season



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

THANK YOU FOR YOUR COOPERATION!

All of your responses will be kept confidential.
Please return this survey in the postage-paid return envelope provided.

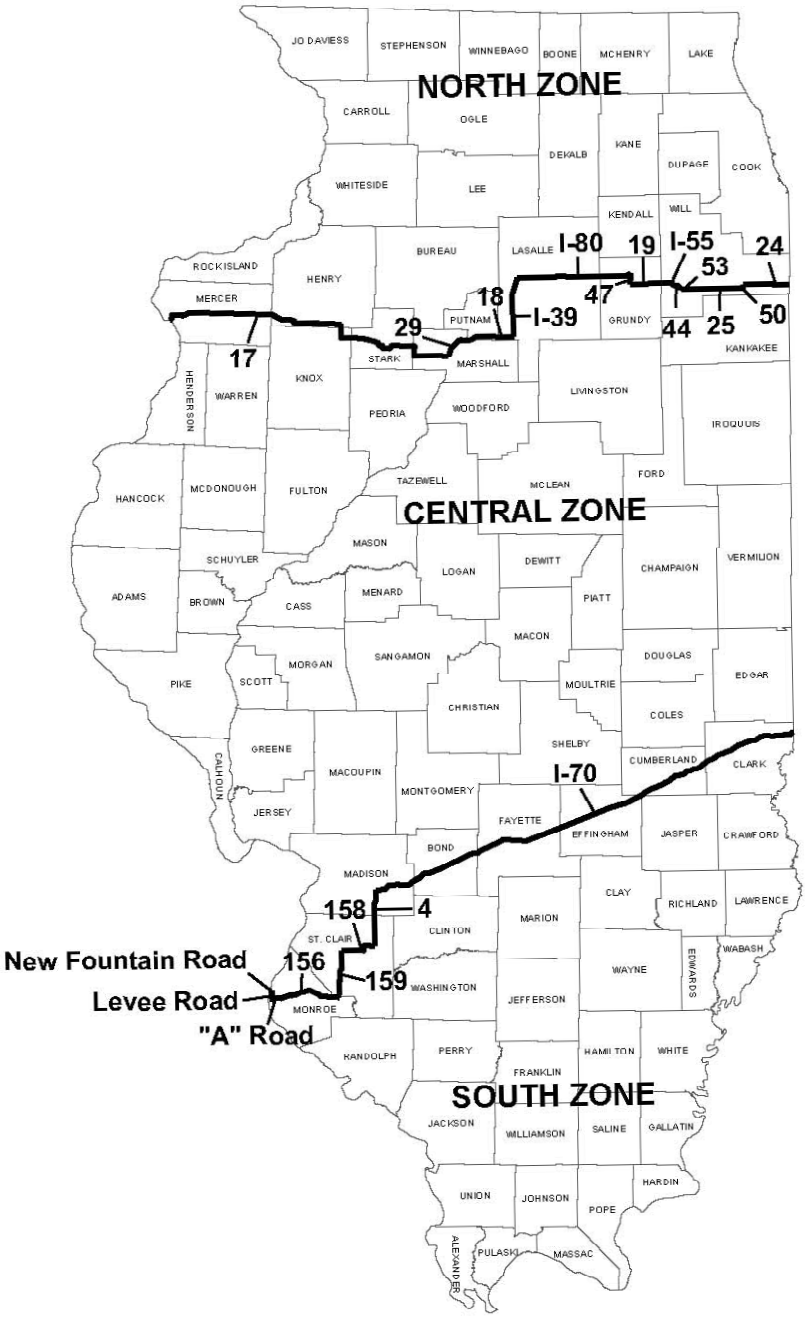
ILLINOIS DEPARTMENT OF NATURAL RESOURCES

Illinois Department of Natural Resources

Division of Wildlife Resources
and
Illinois Natural History Survey

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


NORTH ZONE
CENTRAL ZONE
SOUTH ZONE
JO DAVIESS
STEPHENSON
WINNEBAGO
BOONE
MCHENRY
LAKE
CARROLL
OGLE
DEKALB
KANE
DUPAGE
COOK
WHITESIDE
LEE
KENDALL
WILL
ROCKISLAND
HENRY
BUREAU
LASALLE
I-80
19
I-55
24
53
MERCER
18
47
PUTNAM
I-39
GRUNDY
44
25
50
29
KANKAKEE
17
STARK
MARSHALL
HENDERSON
WARREN
KNOX
PEORIA
WOODFORD
LIVINGSTON
IROQUOIS
HANCOCK
MCDONOUGH
FULTON
TAZEWELL
MCLEAN
FORD
SCHUYLER
MASON
LOGAN
DEWITT
CHAMPAIGN
VERMILION
ADAMS
BROWN
CASS
MENARD
PIATT
MACON
DOUGLAS
MORGAN
SANGAMON
MOULTRIE
EDGAR
PIKE
SCOTT
CHRISTIAN
COLES
GREENE
SHELBY
CUMBERLAND
CLARK
CALHOUN
MACOUPIN
MONTGOMERY
I-70
JERSEY
FAYETTE
EFFINGHAM
JASPER
CRAWFORD
BOND
MADISON
CLAY
RICHLAND
LAWRENCE
158
4
MARION
ST. CLAIR
CLINTON
WABASH
New Fountain Road
156
WAYNE
EDWARDS
159
WASHINGTON
Levee Road
JEFFERSON
MONROE
"A" Road
RANDOLPH
PERRY
HAMILTON
WHITE
FRANKLIN
JACKSON
WILLIAMSON
SALINE
GALLATIN
UNION
JOHNSON
POPE
HARDIN
ALEXANDER
PULASKI
MASSAC

Waterfowl Hunting Effort and Harvest in Illinois. Please provide the following information so that IDNR waterfowl biologists may estimate waterfowl harvest in Illinois. This information will help the IDNR take action to conserve waterfowl populations and provide hunting opportunities in Illinois.

1. Did you purchase an Illinois Migratory Waterfowl Stamp for the 2009-2010 season? *(Please check one.)* ***n*=2,398**

80.1% Yes
19.9% No

2. Did you hunt waterfowl (ducks, geese or coots) in Illinois during the 2009-2010 waterfowl hunting seasons? *(Please check one.)* ***n*=2,398**

67.4% Yes
32.6% No ***(Please skip to question 9.)***

3. Please report your hunting effort and harvest in Illinois between September 2009 and January 2010 in the following tables.

- Include only your personal effort and harvest.
- Count part of 1 day as 1 whole day.
- Count days you had zero harvest in "Number of days hunted".
- For days you harvested both ducks and geese, only report days hunted in the table corresponding to the species you primarily targeted that day. For example, if you harvested ducks while targeting geese, only report days hunted in the table labeled "Regular Goose Season." Report duck harvest in the "Regular Duck Season" table, but do not report days hunted.

a. September Teal Season *(Do not include harvest after September.)*

County hunted	Number of days hunted	Teal harvested	Teal downed but not retrieved
See Tables 3-5.			

b. September Canada Goose Season *(Do not include harvest after September.)*

County hunted	Number of days hunted	Geese harvested	Geese downed but not retrieved
See Table 10.			

c. Regular Duck Seasons *(Do not include harvest in September.)*

County hunted	Number of days hunted	Mallards harvested	Wood ducks harvested	Other ducks harvested	Coots harvested	Ducks downed but not retrieved
See Tables 7-9.						

d. Regular Goose Seasons *(Do not include harvest in September or Conservation Order Light Goose season.)*

County hunted	Number of days hunted	Canada geese harvested	White-fronted (Specklebelly) geese harvested	Snow/Blue/ Ross' geese harvested	Geese downed but not retrieved
See Tables 11-14.					

4. In which zone did you hunt **ducks** most often during 2009-2010?
(Please check one.) ***n*=1,481**

28.5% North Zone **45.4%** Central Zone **26.1%** South Zone

5. In which zone did you hunt **geese** most often during 2009-2010?
(Please check one.) ***n*=1,400**

28.4% North Zone **47.1%** Central Zone **24.4%** South Zone

6. Did you take a youth hunting during the 2009 Youth Waterfowl Hunting Days?
(Please check one.) ***n*=1,578**

14.4% Yes
85.6% No ***(Please skip to question 7.)***

a. For each youth you hunted with, please report the following information. Include all youths that hunted and enter 0 if the youth did not harvest any ducks, geese, or coots.

	Age	Days hunted	County hunted	Mallards harvested	Wood ducks harvested	Other ducks harvested	Geese harvested	Coots harvested
Youth 1	**See Table 6.**							
Youth 2								
Youth 3								
Youth 4								
Youth 5								

Your identity as a waterfowl hunter. We know that waterfowl hunting is an important past time for many of you. Others of you may hunt waterfowl more casually. Please provide us with the following information to help us provide hunting experiences which are meaningful for you in Illinois.

7. Which of the following categories best describes your participation in waterfowl hunting? *(Please check only one.)* ***n*=1,618**

0.4% I'm not involved in waterfowl hunting now, but could see myself becoming a waterfowl hunter at some point in the future.
9.6% I'm learning how to become a waterfowl hunter.
76.9% I think of myself as a waterfowl hunter.
5.6% I used to think of myself as a waterfowl hunter, but no longer think of myself in those terms.
6.6% I don't think of myself as a waterfowl hunter, even though I have occasionally gone waterfowl hunting.
0.9% I don't think of myself as a waterfowl hunter and don't see myself becoming one.

8. How important is waterfowl hunting to you? *(Please check one.)* ***n*=1,641**

21.1% It's my most important recreational activity.
53.5% It's one of my most important recreational activities.
17.7% It's no more important than my other recreational activities.
5.9% It's less important than my other recreational activities.
1.8% It's one of my least important recreational activities.

9. How old were you when you first went waterfowl hunting? **Ave. 19** years old
***n*=2,262**

10. Over the past 5 years, how often have you hunted waterfowl in Illinois? *(Please check one.)*
***n*=2,357**

54.1% Every year during the past 5 years
13.3% About 4 of the last 5 years
17.3% About 2 or 3 of the last 5 years
7.6% About 1 of the last 5 years
7.8% Never

11. Do you currently serve as a mentor or the primary person helping another individual to become a waterfowl hunter? *(Please check one.)* ***n*=2,355**

38.6% Yes
61.4% No

12. In the past, have you served as a mentor or the primary person helping another individual to become a waterfowl hunter? ***n*=2,352**

52.6% Yes
47.4% No

Waterfowl Hunting Seasons in Illinois. IDNR waterfowl biologists aim to provide the type of waterfowl hunting experience Illinois hunters desire, while maintaining biologically sustainable waterfowl populations. The information you provide in the following questions will allow us to use hunters' preferences, in addition to duck biology and weather, to make decisions about season dates.

13. Did you feel that the dates of the 2009-2010 waterfowl hunting season were too early, about right or too late? *(Please check one for each item.)*

Were the season dates…	*n*	too early?	about right?	too late?	I am not sure.	I did not hunt this season.
a. Teal season *(Sept. only)*	**2,137**	**7.2%**	**34.7%**	**2.2%**	**6.5%**	**49.6%**
b. North Zone Duck season	**2,010**	**10.0%**	**24.4%**	**3.5%**	**9.0%**	**53.1%**
c. Central Zone Duck season	**2,072**	**12.1%**	**28.6%**	**7.6%**	**7.4%**	**44.3%**
d. South Zone Duck season	**1,996**	**16.4%**	**17.6%**	**4.3%**	**8.2%**	**53.5%**
e. North Zone Canada Goose season	**1,995**	**7.7%**	**26.8%**	**3.1%**	**8.6%**	**53.8%**
f. Central Zone Canada Goose season	**2,041**	**9.6%**	**34.6%**	**3.0%**	**7.5%**	**45.3%**
g. South Zone Canada Goose season	**1,984**	**9.1%**	**24.7%**	**2.2%**	**9.2%**	**54.8%**

14. In the table below, please check the box next to the week you most prefer to hunt ducks in the Illinois county you hunt most often for ducks. *(Please check only one.)* ***n*=1,940**

n			***n***		
68	**3.5%**	1st week of October	**157**	**8.1%**	1st week of December
80	**4.1%**	2nd week of October	**122**	**6.3%**	2nd week of December
138	**7.1%**	3rd week of October	**97**	**5.0%**	3rd week of December
173	**8.9%**	4th week of October	**79**	**4.1%**	4th week of December
196	**10.1%**	1st week of November	**39**	**2.0%**	1st week of January
228	**11.8%**	2nd week of November	**25**	**1.3%**	2nd week of January
237	**12.2%**	3rd week of November	**27**	**1.4%**	3rd week of January
243	**12.5%**	4th week of November	**31**	**1.6%**	4th week of January

15. If a 60-day duck season is allowed in 2010-2011, the North and Central zones will continue to follow the 5-year plan for season dates adopted in 2006, whereas the South zone dates may change. Which of the following would you prefer for a 60-day season in the South zone in 2010-2011? *(Please check one.)* ***n*=2,208**

14.0% Nov. 13 – Jan. 11
25.3% Nov. 25 – Jan. 23
11.1% I am not sure.
49.6% I do not hunt in the south zone.

16. By federal rule, the South zone Canada goose season may last only 66 days. In order for duck and goose seasons to open on the same day, and have the goose season extend to Jan. 31, 2011, the 2010-2011 goose season must close for 2 days. Which of the following options do you prefer for a 2-day closure of the South zone goose season? Note: The 2nd gun deer season will be Dec. 2-5, 2010. *(Please check one.)* ***n*=2,212**

15.4% Closed on Mon. and Tues., Nov. 29-30, 2010
13.1% Closed on Thurs. and Fri., Dec. 2-3, 2010
5.8% Closed on Mon. and Tues., Dec. 6-7, 2010
15.1% I am not sure.
50.6% I do not hunt in the south zone.

17. For the past 5 years, a rule of thumb has been used to set the 60-day duck season dates in the North and Central Zones. In 2010, the IDNR will begin a 2-year process to evaluate and set rules of thumb for the next 5 years (2011-2015) in all 3 zones. If a 30- or 45-day season were mandated by the Federal government, these rules of thumb would not apply. For each duck hunting zone, below, please tell us which rule of thumb you would prefer. *(Please check one box for each zone in which you hunt.)*

North zone
***n*=2,013**

11.2% Open on Saturday nearest Oct. 11; Close on Tuesday nearest Dec. 9

12.8% Open on Saturday nearest Oct. 18; Close on Tuesday nearest Dec. 16

16.6% Open on Saturday nearest Oct. 25; Close on Tuesday nearest Dec. 23

12.2% I am not sure.

47.1% I do not hunt ducks in the North zone.

Central zone
***n*=2,066**

22.0% Open on Saturday nearest Oct. 25; Close on Tuesday nearest Dec. 23

15.3% Open on Saturday nearest Nov. 2; Close on Tuesday nearest Dec. 30

16.8% Open on Saturday nearest Nov. 9; Close on Tuesday nearest Jan. 7

12.4% I am not sure.

33.5% I do not hunt ducks in the Central zone.

South zone
***n*=2,090**

11.0% Open on Saturday nearest Nov. 13; Close on Tuesday nearest Jan. 11

11.3% Open on Thursday nearest Nov. 25 (Thanksgiving); Close on Sunday nearest Jan. 23

15.1% Open on Thursday nearest Nov. 30; Close on Sunday nearest Jan. 28

11.0% I am not sure.

51.7% I do not hunt ducks in the South zone.

18. In some years, opening day for the duck hunting season in South zone may fall on Thanksgiving Day. In these years, which of the following would you prefer to be the opening day? *(Please check one.)* ***n*=2,188**

16.9% Thanksgiving Day (Thursday)

22.0% The day after Thanksgiving Day (Friday)

9.1% I am not sure.

52.0% I do not hunt ducks in the South zone.

19. IDNR waterfowl biologists may set duck seasons that run continuously, with one opening and one closing date per year, or they may set split duck hunting seasons. A split season would open, then close for a few days, and re-open, to cover more weeks of the year. Splitting the season may allow it to better coincide with early migrations of ducks (teal, wood ducks, pintails) and stay open to target late migrations (mallards). If a split season is used, there may be a maximum of 2 duck hunting zones in the state and it would be in effect for 5 years (2011-2015). The following outlines the structure split seasons would follow.

In the North and Central duck zones…

- The North and Central zones would be combined into one, with the same season dates.
- The duck season would open near the current average opening date for the North zone (Oct. 18) for 9 days.
- The duck season would then close for 5 or 12 days.
- The duck season would reopen until a closing date near the current average closing date in the last week of Dec.

In the South duck zone…

- The duck season would open the Sat. before the first gun deer season for 6 or 30 days.
- The season would then close for 12 or 15 days.
- The duck season would reopen until a closing date in the fourth week of January.

If the criteria above were met, would you support split duck hunting seasons in Illinois? *(Please check one.)* ***n*=2,148**

42.4% Yes, I would support split duck seasons.
33.9% No, I would not support split duck seasons. ***(Please skip to question 21.)***
23.7% I am not sure.

20. If you do support a change to a split duck season in Illinois from 2011-2015, which of the following options for average opening and closing dates do you prefer for each zone? *(Please check one for each zone in which you would hunt.)*

Average season dates in North and Central zone (*n*=1,412)

19.1% Oct. 19 – 27 and Nov. 2 – Dec. 22
38.7% Oct. 19 – 27 and Nov. 9 – Dec. 29
24.9% I am not sure.
17.4% I will not hunt ducks in the North and Central zone.

Average season dates in South zone (*n*=1,389)

16.5% Nov. 13 – 18 and Dec. 3 – Jan. 25
17.1% Nov. 13 – Dec. 12 and Dec. 26 – Jan. 24
20.8% I am not sure.
45.6% I will not hunt ducks in the South zone.

Duck zone boundary locations. Beginning in 2010, the IDNR will evaluate the current boundaries dividing duck hunting zones in Illinois. Please answer the following questions to help us learn how hunters feel about the current boundaries.

21. In which Illinois county did you hunt ducks most often in 2009-2010? ***n*=1,759**

See Table 32. County

22. In which duck hunting zone did you hunt ducks most often in 2009-2010? ***n*=1,760**

28.4% North Zone
45.7% Central Zone
25.9% South Zone

23. Based on the 5-year averages for season dates listed below, in which zone do you feel the county you hunt most often for ducks should be located? ***n*=1,994**

North Zone: October 18-December 16
Central Zone: October 28-December 26
South Zone: November 25- January 23

27.2% North Zone
45.8% Central Zone
26.9% South Zone

Background Information. The following questions will help us understand more about the people involved in waterfowl hunting in Illinois. Please tell us something about yourself by answering the following questions. All responses are confidential.

24. For how many years have you hunted waterfowl in Illinois? **Ave. 22** years ***n*=2,206**

25. What is your county of residence? *(If you are not an Illinois resident, please indicate your state of residence.)* ***n*=2,390**

See Appendix H. County or state

26. Are you **97.9%** male or **2.1%** female? *(Please check one.)* ***n*=2,398**

27. As of October 1, 2009, what was your age? **Ave. 46** years ***n*=2,326**

28. What is your approximate annual household income? *(Please check one.)* ***n*=1,997**

5.4% Less than $20,000 per year
12.6% $20,000 to $39,999 per year
19.6% $40,000 to $59,999 per year
19.3% $60,000 to $79,999 per year
16.7% $80,000 to $99,999 per year
16.8% $100,000 to $149,999 per year
9.7% Over $150,000 per year

29. How would you describe the area where you currently live? *(Please check one.)* ***n*=2,258**

15.1% Rural setting, on a farm
20.2% Rural setting, not on a farm
11.7% Rural subdivision
12.5% Suburban area at the edge of a town or city
22.9% Within a small town (Population less than 25,000)
11.1% Within an urban area (Population between 25,000 and 100,000)
6.6% Within a metropolitan area (Population greater than 100,000)

30. What is your racial or ethnic background? *(Please check one.)* ***n*=2,230**

99.3% White, not of Hispanic origin
0.1% Black, not of Hispanic origin
0.2% Hispanic or Latino
0.3% American Indian or Alaskan native
0.1% Asian
0.0% Native Hawaiian or other Pacific islander

THANK YOU FOR YOUR TIME AND ASSISTANCE!
Please return this survey in the postage-paid envelope provided.

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, 524 S. Second St., Springfield, IL 62701-1787, (217) 782-7616 or the Officer of Human Resources, U.S. Fish and Wildlife Service, Washington, D.C. 20240.

Appendix C. Cover letter sent with first mailing of the survey instrument for the 2009-2010 Illinois Waterfowl Hunter Survey.

ILLINOIS NATURAL HISTORY SURVEY

Institute of Natural Resource Sustainability
University of Illinois at Urbana-Champaign

February 8, 2010

Dear Waterfowl Hunter,

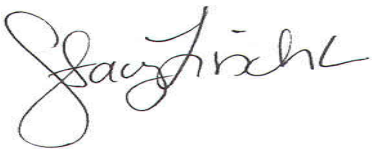
I am writing to ask for your help in a study of Illinois waterfowl hunters. This study, jointly conducted by the Illinois Department of Natural Resources and the Illinois Natural History Survey, is an effort to learn about waterfowl hunting activities in Illinois. Results of this study will guide waterfowl management decisions to optimize hunting opportunity, and allow for effective management of Illinois's duck and goose populations.

You are part of a random sample of waterfowl hunters we have selected to provide information about your hunting activities during the 2009-2010 waterfowl hunting seasons in Illinois. Please take a few minutes to complete the enclosed questionnaire, even if you did not hunt ducks or geese in Illinois during the 2009-2010 season. Please refer to the harvest record card we sent you in September, as necessary, to complete the questionnaire. Your responses are confidential and will not be associated with your name or address in published reports. While your response to this questionnaire and any of the questions is completely voluntary, you can help us effectively manage waterfowl and hunting in Illinois by sharing your experiences and views. You may skip any questions you do not feel comfortable answering. We look forward to hearing from you soon.

If you have any questions or comments about this study, please contact Linda Campbell, Survey Administrator, at (217) 244-5121 or write her at the address listed below. If you have any questions about your rights as a participant in this study, please contact the University of Illinois Institutional Review Board at (217) 333-2670 (collect calls accepted if you identify yourself as a research participant) or via email at irb@illinois.edu.

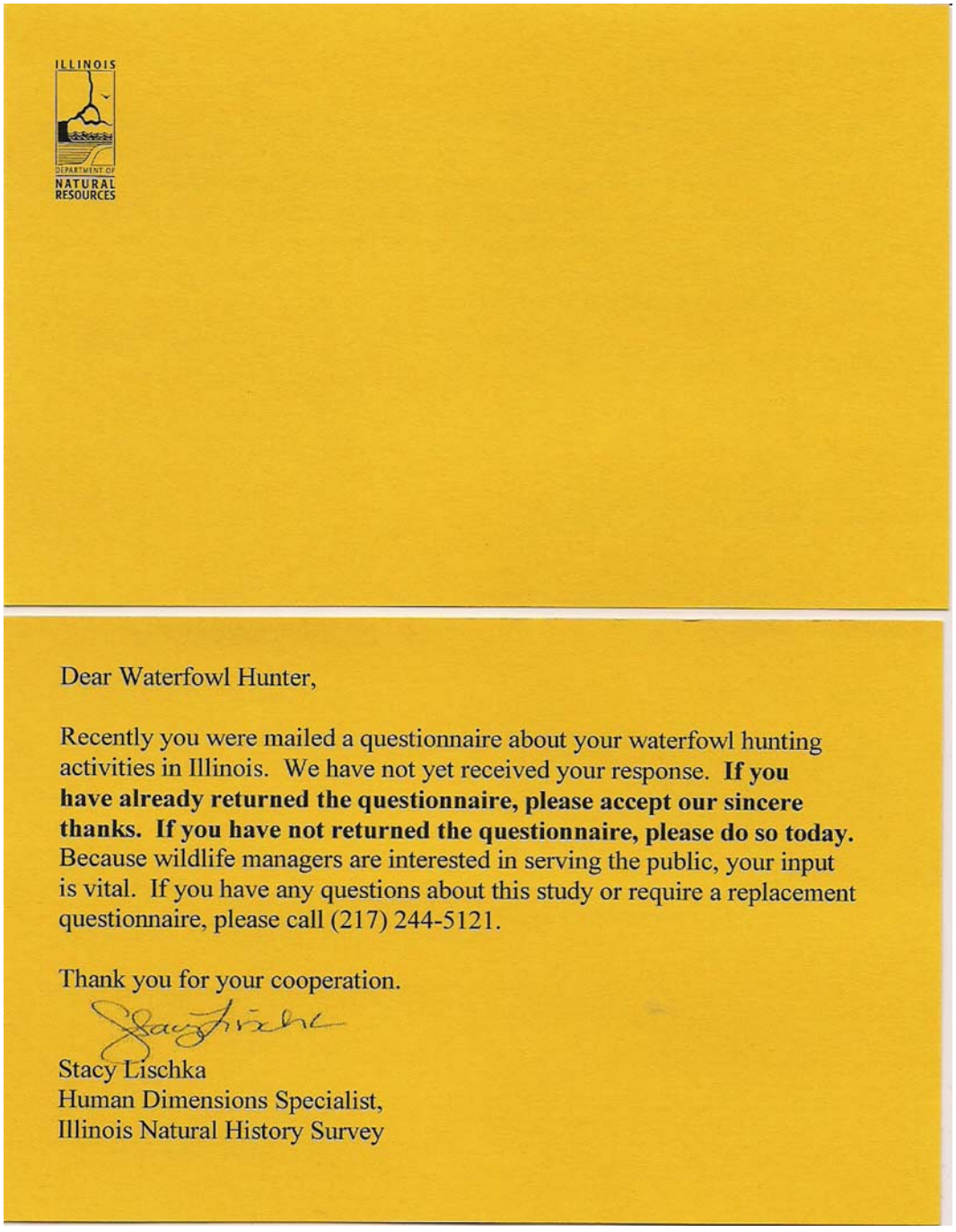
You may access the results of this and other studies of wildlife use in Illinois at http://www.inhs.illinois.edu/programs/hd/. You may also find information about Illinois Department of Natural Resources wildlife management programs and wildlife in Illinois at http://dnr.state.il.us/orc/wildliferesources/.

Sincerely,



Stacy A. Lischka
Human Dimensions Specialist
Illinois Natural History Survey

Appendix D. Thank/you reminder postcard sent as follow-up to the mailings of the 2009-2010 Illinois Waterfowl Hunter Survey.



ILLINOIS DEPARTMENT OF NATURAL RESOURCES

Dear Waterfowl Hunter,

Recently you were mailed a questionnaire about your waterfowl hunting activities in Illinois. We have not yet received your response. **If you have already returned the questionnaire, please accept our sincere thanks. If you have not returned the questionnaire, please do so today.** Because wildlife managers are interested in serving the public, your input is vital. If you have any questions about this study or require a replacement questionnaire, please call (217) 244-5121.

Thank you for your cooperation.

Stacy Lischka
Human Dimensions Specialist,
Illinois Natural History Survey

Appendix E. Cover letter sent with second mailing of the survey instrument for the 2009-2010 Illinois Waterfowl Hunter Survey.

ILLINOIS NATURAL HISTORY SURVEY

Institute of Natural Resource Sustainability
University of Illinois at Urbana-Champaign

March 8, 2010

Dear Waterfowl Hunter,

A few weeks ago, we sent you a questionnaire asking about your waterfowl hunting activities in Illinois. To the best of our knowledge, the questionnaire has not yet been returned. If this letter and your completed questionnaire have crossed in the mail, please accept our sincere thanks for your participation in this study.

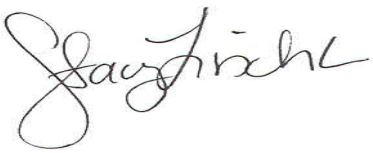
Your views are crucially important, even if you did not hunt ducks and geese in Illinois during 2009-2010. The comments of hunters who have already responded show that they have a variety of concerns about waterfowl hunting in Illinois. The results of this study will help Illinois Department of Natural Resources biologists make informed decisions about how to manage waterfowl hunting in Illinois to the benefit to all Illinois hunters and citizens.

If you have not already done so, please take a few minutes to complete the enclosed questionnaire. The enclosed questionnaire is a duplicate copy of the one you received earlier. Your responses are completely confidential and will not be associated with your name or address in any printed reports. While your response to this questionnaire and any of the questions is completely voluntary, you can help us effectively manage ducks and geese in Illinois by sharing your experiences and views. You may skip any questions you do not feel comfortable answering. We look forward to hearing from you soon.

If you have any questions or comments about this study, please contact Linda Campbell, Survey Administrator, at (217) 244-5121 or write her at the address listed below. If you have any questions about your rights as a participant in this study, please contact the University of Illinois Institutional Review Board at (217) 333-2670 (Collect calls accepted if you identify yourself as a research participant) or via email at irb@illinois.edu.

Thank you very much for helping with this important study.

Sincerely,



Stacy A. Lischka
Human Dimensions Specialist
Illinois Natural History Survey

Appendix F. Cover letter sent with third mailing of the survey instrument for the 2009-2010 Illinois Waterfowl Hunter Survey.

ILLINOIS NATURAL HISTORY SURVEY

Institute of Natural Resource Sustainability
University of Illinois at Urbana-Champaign

April 12, 2010

Dear Waterfowl hunter,

During the past few months, we have sent you several mailings about an important research study we are conducting for the State of Illinois. To our knowledge, you have not yet returned your questionnaire.

The purpose of the study is to help the Illinois DNR manage waterfowl and their harvest in Illinois. Your participation in this study will aid state agencies in planning management programs which provide the types of waterfowl hunting experiences hunters in Illinois desire.

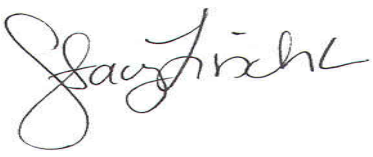
We have enclosed an additional copy of the questionnaire in case you have misplaced the copy you received earlier. Your views are crucially important, regardless of how often you hunt waterfowl. **Please take a few minutes to complete the questionnaire**, seal it in the postage-paid envelope provided, and drop in the mail.

We are sending this mailing because we are concerned that people who had not responded have different opinions about the waterfowl management and hunting opportunities than those who have responded. Your response to the survey and any of its questions is completely voluntary. Your name will never be associated with your responses in any way and your privacy will be protected to the maximum extent allowable by law. We hope that you will fill out and return the questionnaire soon. If, however, you prefer for any reason not to answer this questionnaire, please let us know by returning a blank questionnaire in the postage-paid envelope provided.

If you have any questions or comments about this study, please contact Linda Campbell, Survey Administrator, at (217) 244-5121 or write her at the address listed below. If you have any questions about your rights as a participant in this study, please contact the University of Illinois Institutional Review Board at (217) 333-2670 (Collect calls accepted if you identify yourself as a research participant) or via email at irb@illinois.edu.

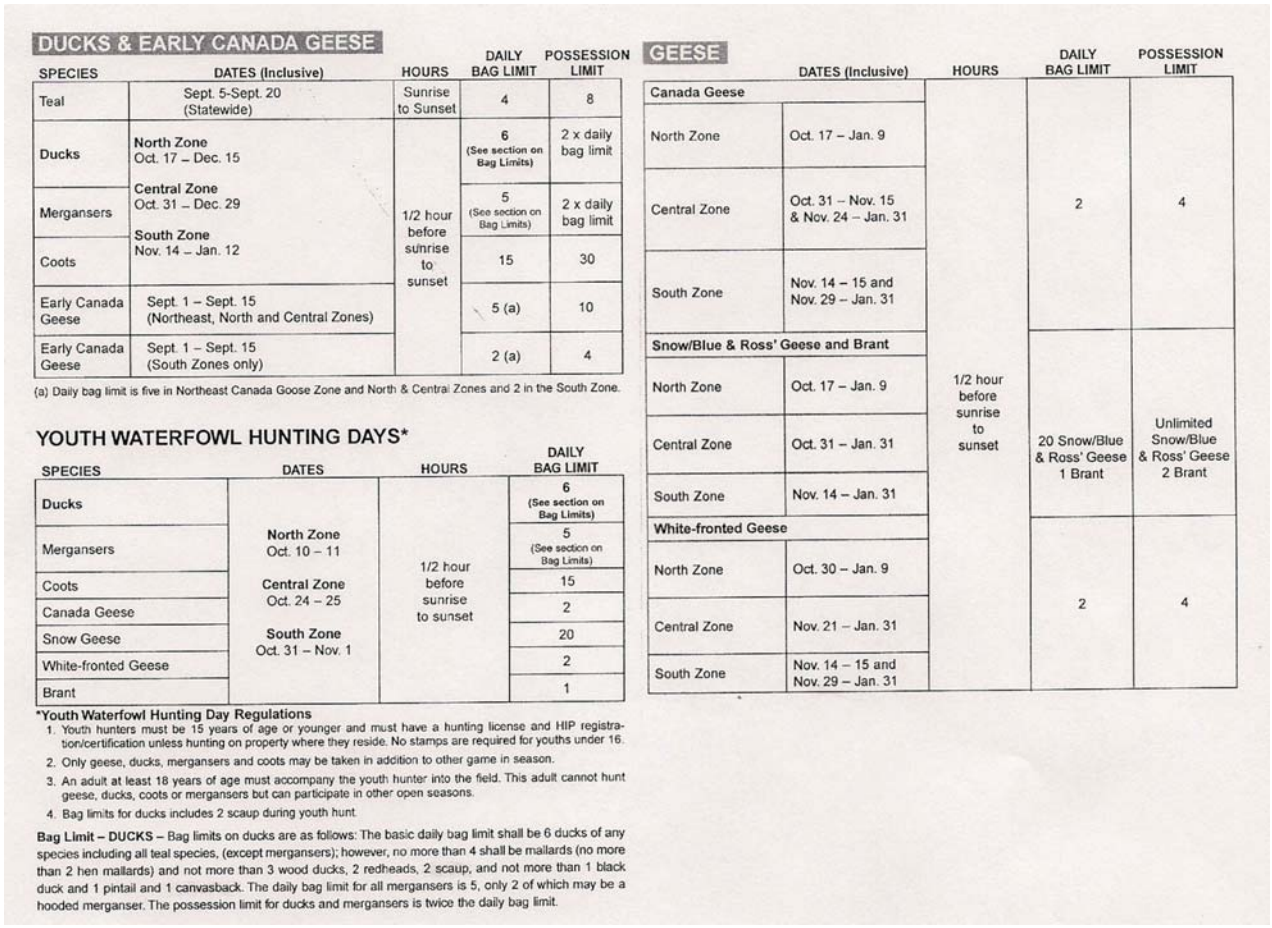
Thank you very much for helping with this important study.

Sincerely,



Stacy A. Lischka
Human Dimensions Specialist
Illinois Natural History Survey

Appendix G. Waterfowl hunting regulations for the 2009-2010 season in Illinois.



DUCKS & EARLY CANADA GEESE

SPECIES	DATES (Inclusive)	HOURS	DAILY BAG LIMIT	POSSESSION LIMIT
Teal	Sept. 5-Sept. 20 (Statewide)	Sunrise to Sunset	4	8
Ducks	North Zone Oct. 17 – Dec. 15	1/2 hour before sunrise to sunset	6 (See section on Bag Limits)	2 x daily bag limit
Mergansers	Central Zone Oct. 31 – Dec. 29		5 (See section on Bag Limits)	2 x daily bag limit
Coots	South Zone Nov. 14 – Jan. 12		15	30
Early Canada Geese	Sept. 1 – Sept. 15 (Northeast, North and Central Zones)		5 (a)	10
Early Canada Geese	Sept. 1 – Sept. 15 (South Zones only)		2 (a)	4

(a) Daily bag limit is five in Northeast Canada Goose Zone and North & Central Zones and 2 in the South Zone.

YOUTH WATERFOWL HUNTING DAYS*

SPECIES	DATES	HOURS	DAILY BAG LIMIT
Ducks	North Zone Oct. 10 – 11	1/2 hour before sunrise to sunset	6 (See section on Bag Limits)
Mergansers			5 (See section on Bag Limits)
Coots	Central Zone Oct. 24 – 25		15
Canada Geese			2
Snow Geese	South Zone Oct. 31 – Nov. 1		20
White-fronted Geese			2
Brant			1

***Youth Waterfowl Hunting Day Regulations**

1. Youth hunters must be 15 years of age or younger and must have a hunting license and HIP registration/certification unless hunting on property where they reside. No stamps are required for youths under 16.
2. Only geese, ducks, mergansers and coots may be taken in addition to other game in season.
3. An adult at least 18 years of age must accompany the youth hunter into the field. This adult cannot hunt geese, ducks, coots or mergansers but can participate in other open seasons.
4. Bag limits for ducks includes 2 scaup during youth hunt.

Bag Limit – DUCKS – Bag limits on ducks are as follows: The basic daily bag limit shall be 6 ducks of any species including all teal species, (except mergansers); however, no more than 4 shall be mallards (no more than 2 hen mallards) and not more than 3 wood ducks, 2 redheads, 2 scaup, and not more than 1 black duck and 1 pintail and 1 canvasback. The daily bag limit for all mergansers is 5, only 2 of which may be a hooded merganser. The possession limit for ducks and mergansers is twice the daily bag limit.

GEESE

	DATES (Inclusive)	HOURS	DAILY BAG LIMIT	POSSESSION LIMIT
Canada Geese		1/2 hour before sunrise to sunset		
North Zone	Oct. 17 – Jan. 9		2	4
Central Zone	Oct. 31 – Nov. 15 & Nov. 24 – Jan. 31			
South Zone	Nov. 14 – 15 and Nov. 29 – Jan. 31			
Snow/Blue & Ross' Geese and Brant				
North Zone	Oct. 17 – Jan. 9		20 Snow/Blue & Ross' Geese 1 Brant	Unlimited Snow/Blue & Ross' Geese 2 Brant
Central Zone	Oct. 31 – Jan. 31			
South Zone	Nov. 14 – Jan. 31			
White-fronted Geese				
North Zone	Oct. 30 – Jan. 9		2	4
Central Zone	Nov. 21 – Jan. 31			
South Zone	Nov. 14 – 15 and Nov. 29 – Jan. 31			

Appendix H. County/state of residence for respondents to the 2009-2010 Illinois Waterfowl Hunter Survey (n = 2,390).

County	*n*	%	County	*n*	%	County	*n*	%
Adams	36	1.5	Hardin	0	0.0	Morgan	11	0.5
Alexander	13	0.5	Henderson	6	0.3	Moultrie	12	0.5
Bond	9	0.4	Henry	12	0.5	Ogle	14	0.6
Boone	11	0.5	Iroquois	10	0.4	Peoria	66	2.8
Brown	5	0.2	Jackson	36	1.5	Perry	18	0.8
Bureau	18	0.8	Jasper	7	0.3	Piatt	13	0.5
Calhoun	28	1.2	Jefferson	19	0.8	Pike	14	0.6
Carroll	16	0.7	Jersey	22	0.9	Pope	6	0.3
Cass	18	0.8	JoDaviess	16	0.7	Pulaski	5	0.2
Champaign	27	1.1	Johnson	7	0.3	Putnam	6	0.3
Christian	13	0.5	Kane	42	1.8	Randolph	23	1.0
Clark	4	0.2	Kankakee	32	1.3	Richland	2	0.1
Clay	0	0	Kendall	27	1.1	Rock Island	42	1.8
Clinton	23	1.0	Knox	20	0.8	St. Clair	85	3.6
Coles	9	0.4	Lake	60	2.5	Saline	5	0.2
Cook	114	4.8	LaSalle	42	1.8	Sangamon	40	1.7
Crawford	4	0.2	Lawrence	6	0.3	Schuyler	10	0.4
Cumberland	5	0.2	Lee	16	0.7	Scott	3	0.1
DeKalb	14	0.6	Livingston	14	0.6	Shelby	7	0.3
DeWitt	9	0.4	Logan	9	0.4	Stark	0	0.0
Douglas	5	0.2	McDonough	8	0.3	Stephenson	7	0.3
DuPage	50	2.1	McHenry	49	2.1	Tazewell	85	3.6
Edgar	7	0.3	McLean	33	1.4	Union	18	0.8
Edwards	4	0.2	Macon	12	0.5	Vermilion	16	0.7
Effingham	9	0.4	Macoupin	31	1.3	Wabash	4	0.2
Fayette	7	0.3	Madison	102	4.3	Warren	8	0.3
Ford	5	0.2	Marion	19	0.8	Washington	21	0.9
Franklin	39	1.6	Marshall	20	0.8	Wayne	7	0.3
Fulton	46	1.9	Mason	31	1.3	White	3	0.1
Gallatin	1	0.0	Massac	16	0.7	Whiteside	32	1.3
Greene	14	0.6	Menard	8	0.3	Will	79	3.3
Grundy	32	1.3	Mercer	11	0.5	Williamson	46	1.9
Hamilton	3	0.1	Monroe	24	1.0	Winnebago	48	2.0
Hancock	10	0.4	Montgomery	19	0.8	Woodford	26	1.1

Appendix H. Continued.

State	*n*	%	State	*n*	%	State	*n*	%
Arizona	1	0.0	Louisiana	1	0.0	Oregon	2	0.1
Arkansas	1	0.0	Maryland	1	0.0	South Carolina	2	0.1
California	1	0.0	Michigan	3	0.1	Tennessee	9	0.4
Florida	9	0.4	Minnesota	2	0.1	Texas	2	0.1
Georgia	3	0.1	Missouri	43	1.8	Virginia	2	0.1
Indiana	47	2.0	Nevada	1	0.0	Washington	1	0.0
Iowa	41	1.7	New York	1	0.0	West Virginia	1	0.0
Kansas	1	0.0	North Carolina	1	0.0	Wisconsin	16	0.7
Kentucky	19	0.8	Ohio	3	0.1	Wyoming	1	0.0