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Illinois Waterfowl Hunter Report: Harvest, Youth Hunts, and Season Preferences


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# 2014-2015 ILLINOIS <br> WATERFOWL HUNTER REPORT: Harvest, Youth Hunts, and Season Preferences 

JOB COMPLETION REPORT

WILDLIFE HARVEST AND<br>HUMAN DIMENSIONS RESEARCH PROGRAM

STATE OF ILLINOIS
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STUDY 101
JOB NO. 101.3

Prepared by<br>Brent D. Williams, James M. Crain, Linda K. Campbell, and Craig A. Miller, Ph.D. Illinois Natural History Survey<br>Champaign, IL<br>December 28, 2015

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Illinois Department of Natural Resources

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## OBJECTIVE

To survey waterfowl (duck, goose, and coot) hunters annually to determine their activities, harvest, characteristics, attitudes, and opinions.


#### Abstract

A total of 2,212 (48\% response rate) Illinois waterfowl hunters responded to the 2014-15 Illinois Waterfowl Hunter Survey. An estimated 50,698 waterfowl hunters spent 982,193 days afield, a decrease of $6.7 \%$ from the $1,052,728$ days devoted during the 2013-2014 license year. Waterfowl harvest decreased $9.0 \%$, from 605,720 during 2013-14 to 550,946 during 2014-15. Duck harvest estimates for the regular duck season were as follows: 197,997 mallards (Anas platyrhynchos), 48,216 wood ducks (Aix sponsa), and 138,615 other ducks. A total of 29,058 teal (Anas spp.) were harvested during the September teal season. Goose hunters harvested 87,672 Canada geese (Branta canadensis) during the regular Canada goose season, a $16.4 \%$ decrease from the 104,887 Canada geese harvested during the 2013-14 regular goose season. Hunters harvested 19,089 Canada geese during the September Canada goose season, a $22.0 \%$ increase from the previous year. During the Youth Waterfowl Hunting Season, 6,405 adults took 8,572 youths waterfowl hunting, a $24.1 \%$ decrease in adult participation and a less than $1.0 \%$ decrease in youth participation from the 2013-14 Youth Waterfowl Hunting Season. Duck hunter commitment to waterfowl hunting, preferences for season and zones, and satisfaction with the waterfowl seasons are also discussed.


## METHODS

## Mailings

A random sample of 5,000 waterfowl hunters was drawn from the population of Illinois State Waterfowl Stamp purchasers from the 2014-2015 license year. No pre-season diary for recording hunting activity and waterfowl harvest was sent during the fall of 2014. On 10 February 2015, hunters were mailed an 8-page questionnaire (Appendix A), cover letter (Appendix B), and a postage-paid return envelope. The effective sample was reduced to 4,896 questionnaires due to 104 being returned as undeliverable. A thank you/reminder
postcard (Appendix C) was sent to hunters on 27 February 2015. Non-respondents were mailed a second questionnaire and cover letter (Appendix D) on 11 March 2015, followed by a second postcard mailing on 26 March 2015. A third and final questionnaire and cover letter (Appendix E) were mailed to non-respondents on 14 April 2015. Coded data were entered and analyzed using SPSS 22.0 (SPSS Inc. 2014). Confidence intervals are presented where appropriate.

## Statewide Estimates

Estimates of number of hunters, days afield, and waterfowl harvested were based on confirmed sales of 70,391 Illinois Migratory Waterfowl stamps (2014-15 series) and were computed following the procedures outlined below (Anderson et al. 1998).

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. The number of teal, duck, and goose hunters (Hunt $t_{s p}$ ), days afield (Days spp ), birds crippled but not retrieved (Crip ${ }_{s p}$ ) and harvest ( Harv $_{s p}$ ) were calculated as follows:

$$
\begin{aligned}
& \text { Hunt }_{s p}=\text { Hunt }_{r} \frac{L_{t} A_{1} A_{2}}{n}, \\
& \text { Days }_{s p}=\text { Days }_{r} \frac{L_{t} A_{1} A_{2}}{n}, \\
& \text { Crip }_{s p}=\text { Crip }_{r} \frac{L_{t} A_{1} A_{2}}{n}, \\
& \text { Harv }_{s p}=\text { Harv }_{r} \frac{L_{t} A_{1} A_{2} A_{3}}{n}
\end{aligned}
$$

Where:

Hunt $t_{r}=$ number of respondents to the 2014-2015 Illinois Waterfowl Hunter Survey who reported hunting for each species (adjustment for non-hunters is inherent),
$L_{t}=$ total number of Illinois migratory Waterfowl Stamps sold in 2014-15,
$A_{1}=$ 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 2014-15 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 $v_{r}=$ total harvest of each species reported by respondents,
$A_{3}=$ fixed reduction factor for reporting bias ( 0.501 for teal, ducks, and coots; Anderson 1985; 0.478 for geese;

Anderson et al. 1996).
Confidence intervals for the estimated numbers of ducks, coots, and geese harvested were calculated by:

$$
95 \% \mathrm{CI}\left[\operatorname{Harv}_{s p}\right]= \pm 2 L_{t}\left(\frac{s}{\sqrt{n}}\right)\left(\frac{L_{t}-n}{L_{t}}\right)
$$

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

## SEASON LENGTHS AND BAG LIMITS

Illinois incorporated a fourth waterfowl zone in 2011-12 for the regular waterfowl seasons and 2012-13 for the September goose season. The four zones are the North, Central, South Central, and South zones (Appendix G). The early (September) teal (Anas spp.) season length (16 days), daily bag (6 teal a day), and possession limits (18) remained unchanged from the 2013-14 season. Early (September) Canada goose (Branta canadensis) season length and start date (1 September) were the same for all four zones. Possession limit was 15 geese in the North and Central zones and 6 in the South Central and South zones. Hunters could hunt for 15 days statewide and could harvest 5 geese a day in the North and Central zones and 2 birds per day in the South Central and South zones. Length and daily bag limit of the regular duck season did not change (60-day/6-bird duck season) in 2014; possession limit was the same for all species of duck but canvasbacks. Duck limits were a total of 18 birds, mergansers 15 , and coots 45 birds. The regular Canada goose season remained unchanged (90 day/2-bird Canada goose season) in the North and Central zones. The regular Canada goose season length in the

South Central and South Zone was 84 days and 66 days, respectively. The possession limit remained 6 for Canada and White-fronted Geese (Anser albifrons) and 3 for Brant geese (Branta bernicla).

## RESULTS

## Waterfowl Harvest and Days Afield

We received 2,508 questionnaires from waterfowl hunters, of which 2,212 (89\%) were considered usable, for an overall response rate of $48 \%$. Of the 2,212 usable questionnaires, $2,114(96 \%)$ respondents indicated they purchased an Illinois State Waterfowl Stamp for the 2014-15 season (Figure 1) and 1,465 (66\%) said they actually hunted waterfowl (Figure 2). The number of waterfowl hunters increased from 49,170 during the 2013-14 season to 50,698 during the 2014-15 season, a $3.1 \%$ increase in the number of hunters (Figure 3 and Table 1). Hunters reported spending 982,193 days afield, a decrease of $6.7 \%$ from the $1,052,728$ days devoted during the 2013-2014 license year. Total waterfowl harvest decreased $9.0 \%$, from 605,720 during 2012-13 to 550,946 during the 2014-15 season (Table 1). Thirty percent of hunters hunted ducks only, $11 \%$ hunted geese only, and $58 \%$ hunted both ducks and geese (Figure 4 and Table 2).


Figure 1. Percentage of hunters who purchased an Illinois State Waterfowl Stamp for the 2014-2015 seasons ( $n=2212$ ).


Figure 2. Percentage of hunters who hunted waterfowl (ducks, geese, or coots) in Illinois during the 2014-2015 waterfowl hunting season ( $n=2212$ ).


Figure 3. Number of stamps sold, waterfowl hunters, and waterfowl harvested in Illinois, 2000-2014.


Figure 4. Percentage of hunters who hunted ducks, geese, or both during the 2014-15 Illinois waterfowl season.

## September Teal Season

The number of early (September) teal season hunters increased 8.7\% from 10,378 during 2013 to 11,282 during 2014 (Figure 5 and Table 3). Days afield increased 13.9\% from 37,431 during 2013 to 42,635 during 2014. Greater numbers of teal hunters and days afield coincided with an increased teal harvest of $29,058 \pm$ 10,909 during the 2014 September teal season, a $32.2 \%$ increase from the 2013 harvest. The Central Zone accounted for over one-half of teal hunters (52.2\%), the majority of the teal harvested (58.1\%), and almost half
of teal hunter days afield (44.8\%) (Table 4). The North Zone recorded the next most hunters, days afield, and harvest. Statewide, September season teal hunters averaged 3.78 days afield, and harvested an average of 0.68 teal per hunter per day and 2.58 teal per hunter for the season (Figure 6 and Table 5).


Figure 5. Number of teal harvested and hunter activity during the Illinois September teal season, from 20002014.


Figure 6. Rates of teal harvest and hunter activity during the Illinois September teal season from 2000-2014.

## Youth Waterfowl Hunting

The Youth Waterfowl Season framework remained unchanged from 2013 to 2014; youth less than 16 years of age were able to hunt ducks, geese, and coots for two days one week prior to opening of the regular duck season in the North, Central, and South Central zones, but 12 days earlier in the South Zone. Fifteen percent of those who purchased an Illinois waterfowl stamp took a youth hunting during the Youth Waterfowl Hunting Days (Figure 7). Number of adults who participated in the 2014 youth hunt decreased 24.1\% from 8,438 to 6,405 participants, and number of youth participants decreased less than $1 \%$ from 8,639 during 2013 to 8,572 youths during 2014 (Table 6). Almost half (44.3\%) of the hunting groups that participated in the 2014 youth waterfowl season had at least one youth that had never hunted ducks or geese before (Figure 8), and 23.8\% of hunters indicated this was their first time accompanying a youth during the hunt. Harvest (ducks, geese, and coots combined) during the youth season decreased 33.3\%, from 15,139 during 2013 to 10,125 during 2014.


Figure 7. Percentage of hunters who took a youth (less than 16 years old) hunting during the 2014 Youth Waterfowl Hunting Days ( $n=1279$ ).


Figure 8. Percentage of hunters* who took at least one youth (less than 16 years old) hunting for the first time ( $n=203$ ).
*Cases selected for those who indicated they took a youth hunting during the 2014 Youth Waterfowl Hunting Days.

Nineteen percent of respondents took a youth hunting during the regular duck or goose season; an additional five percent had a youth accompany them but did not hunt (Figure 9). Hunters were more likely to take youths hunting during the regular duck season than goose season (Figure 10). The most popular responses
for why hunters take youth waterfowl hunting was to "teach responsible and safe hunting practices" and "protect the sport for future generations" (Figure 11). Fifty three percent of waterfowl hunters have introduced a non-youth hunter to waterfowl hunting.


Figure 9. Proportion of hunters who took a youth (<16 years of age) hunting during the 2014-2015 regular duck or goose season in Illinois ( $n=1258$ ).


Figure 10. Seasons hunters* took a youth ( $<16$ years of age) hunting during 2014-2015 ( $n=259$ ). *Cases selected for those who took youth hunting or had youth accompany them while hunting.


Figure 11. Reasons why hunters* take youth hunting ( $n=1465$ ).
*Cases selected for those who indicated they hunted 1 day or more during any 2014-15 waterfowl season.

## Regular Duck Season

The number of duck hunters increased by 366 (1.0\%) from 43,653 during the 2013-14 season to 44,019 during the 2014-15 season (Table 7). Duck hunters spent 525,114 days afield ( $M=11.93$ ) during the 2014-15 season, a decrease of $6.9 \%$ from the 563,961 days reported during the $2013-14$ season. Approximately half (47.7\%) of respondents hunted the Central Zone most often, followed by the North, South Central, and South zones (Figure 12). The same pattern was reflected in the zones hunters hunted on opening day of the regular duck season (Figure 13); approximately $6.5 \%(\mathrm{n}=64)$ of respondents hunted opening day in multiple zones.


Figure 12. Zones hunters* hunted in most often during the 2014-15 duck season ( $n=1272$ ).
*Cases selected for those who indicated they hunted for at least one day during the 2014-2015 duck seasons.


Figure 13. Zones hunters* hunted on opening day of duck season ( $n=1272$ ).
*Cases selected for those who indicated they hunted for at least one day during the 2014-2015 duck seasons.

Total duck harvest during 2014-15 was 384,828, down 10.6\% from the 430,179 reported for 2013-14 (Table 7). Mallards (Anas platyrhynchos) comprised 51.0\% of the total regular season duck harvest, whereas wood ducks (Aix sponsa) and other ducks accounted for $13.0 \%$ and $36.0 \%$, respectively (Figure 14). Statewide mallard harvest in Illinois decreased by 27,876 birds (12.3\%) from 225,873 during the 2013-14 season to 197,997 during the 2014-15 season (Figure 15 and Table 7). Wood duck harvest decreased 785 (1.6\%) from 49,001 during 2013-14 to 48,216 during 2014-15. The harvest of other ducks decreased 16,691 (10.7\%) from 155,306 during 2013-14 to 138,615 during 2014-15, and statewide coot (Fulica Americana) harvest doubled
from 2,143 during 2013-14 to 4,681 coots during 2014-15. Twenty species of duck were harvested in Illinois from September, 2014 through January, 2015 (Table 8).The most popular species reported as harvested during the 2014-15 regular duck season were mallards (85.6\% of hunters reported they harvested at least one), followed by wood duck (49.4\%), gadwall (46.2\%), and green-winged teal (43.0\%). These numbers do not necessarily reflect the total proportion of harvest for each species, but indicate which species hunters reportedly harvested most often.


- Mallards

Wood Ducks
Other Ducks

Figure 14. Proportion of Mallards, Wood Ducks, and Other Ducks harvested during the 2014-15 regular duck season. ${ }^{\text {a }}$
${ }^{\text {a }}$ Proportions are by mallard, wood duck, and other ducks due to how hunters are asked to report their harvest. This order (mallard, wood duck, and other ducks) is not necessarily the order of the most often harvested ducks in Illinois.


Figure 15. Illinois regular season duck harvest, 2000 - 2014.

The 2014-15 duck harvest is presented by waterfowl zones in Table 9. Across the four waterfowl zones, the greatest number of hunters, days afield, and ducks harvested occurred in the Central Zone. The South Zone had the highest daily success rate (harvest/hunter/day) at 0.93 ducks per day, while the South Central Zone had the highest season success rate (harvest/hunter/season) at 8.72 ducks per season. Statewide, duck hunter daily success dropped to 0.73 ducks/day and hunter season success decreased from 9.85 in 2013-14 to 8.74 during 2014-15 (Table 10). Of duck hunters who reported hunting $\geq 1$ day ( $n=1,272$ ), $40.8 \%$ hunted 5 days or less (Figure 16 and Table 11); 13.5\% of duck hunters reported not harvesting any ducks, whereas $17.2 \%$ harvested more than 30 ducks. Of the 1,465 waterfowl hunters who spent at least 1 day afield, $19.8 \%$ reported not having shot opportunities and hunted an average of 4.85 days.


Figure 16. Distribution of days afield per hunter and ducks harvested per hunter for Illinois' during the 2014-15 regular duck season.

Almost 40\% of waterfowl hunters kept records of their hunts (Figure 17). Over two-thirds (73\%) of hunters reported using spinning wing decoys to hunt ducks during the 2014-15 regular duck season (Figure 18), and $13 \%$ of hunters harvested a greater variety of species this year than in the last 5 years (Figure 19). When duck hunters were asked what to do when preferred hunting areas freeze over, the most common response was to bust the ice (52.0\%), followed by hunting over fields (40.0\%) (Table 12).


Figure 17. Percentage of waterfowl hunters* who kept records of their waterfowl hunting trips in 20142015 ( $n=1446$ ).
*Cases selected for those who indicated they hunted for at least one day during the 2014-2015 waterfowl seasons.


Figure 19. Percentage of hunters* who harvested a a greater variety of ducks in Illinois during the 2014-15 season ( $n=1250$ ).
*Cases selected for those who indicated they hunted for at least one day during the 2014-2015 duck seasons.


Figure 18. Percentage of hunters who used spinning wing decoys to hunt ducks in Illinois by zone.

## Early September Goose Season

An estimated 12,147 hunters participated in the early (September) Canada goose season in Illinois during the 2014 season, an increase of $11.8 \%$ from the 10,865 who participated during 2013 (Figure 20 and Table 13). Statewide, early goose season hunters spent 44,919 days afield in 2014, 9.7\% more than in 2013, and harvested approximately 19,089 Canada geese, an increase from the 2013 harvest by $22.0 \%$. The Central Zone
accounted for the most hunters, days afield, and geese harvested, $54.9 \%, 53.0 \%$, and $47.2 \%$, respectively (Figure 21 and Table 13).


Figure 20. Early September Canada goose harvest and hunter activity, 2000-2014.


Figure 21. Early September Canada goose harvest and hunter activity by zone in Illinois during 2014.

## Regular Canada Goose Season

Canada goose harvest during the 2014-15 regular goose season decreased 16.4\% from 2013-14 (Table 14, Figure 22). An estimated 34,226 hunters spent 369,179 days afield and harvested 87,672 Canada geese during 2014-15. The number of goose hunters in Illinois increased 1.2\% during 2014-15 when compared to 2013-14, while the number of days afield decreased $5.6 \%$. Hunters also harvested 20,313 other geese, of which 12,307 were light geese (snow, blue or Ross' geese) (Chen caerulescens) and 8,006 were white-fronted geese (Anser albifrons), for a total combined harvest of 107,985 geese (Table 14, Figure 23).


Figure 22. Goose harvest during Illinois' regular goose season from 2000-2014.


Figure 23. 2014-15 Illinois’ regular Canada goose season harvest.

Goose hunters reported a mean of 10.79 days afield and mean harvest of 2.56 Canada geese and 0.59 other geese per hunter per season; 65.8\% of goose hunters harvested $\geq 5$ geese (Figure 24 and Tables 14 and 15). The Central Zone led the state in the number of goose hunters (54.3\%), days afield (52.6\%), and Canada geese harvested (53.1\%); the most white-fronted (45.4\%) and light geese (49.8\%) were also harvested in the Central Zone (Table 16). Harvest of Canada geese is summarized by zone and year (2012-13 through 2014-15) in Table 17.


Figure 24. Distribution of days afield per hunter and geese harvested per hunter for Illinois' 2014-15 regular goose season.

## Crippling Losses

Crippling losses (birds downed but not retrieved) during the 2014-15 regular season were estimated at 51,909 ducks and 7,856 geese (Table 18). These estimates, considered to be indices because they contain information about the relative number and are not actual number or abundance estimates, equate to 13.5 ducks and 7.3 geese lost per 100 harvested.

## White-fronted/Specklebelly Harvest

Fifteen percent of those who hunted one day or more for waterfowl during 2014-15 harvested whitefronted (specklebelly) geese (Figure 25). One-third of hunters (38.0 \%) who harvested specklebelly geese indicated they saw more during the 2014-15 season than in the previous 5 years, while $43.0 \%$ saw the same
amount and $19.0 \%$ saw fewer (Figure 26). Over 70\% of hunters who targeted specklebelly geese saw more during the 2014-15 goose season than in the previous 5 years (Figure 27), and greater than half (52.9\%) successfully harvested one or more birds (Figure 28). Although a majority of waterfowl hunters (53.6\%) did not target specklebelly geese specifically; $12.3 \%$ harvested them when they had an opportunity, $8.3 \%$ used specklebelly calls, and $10.5 \%$ used specklebelly decoys (Figure 29).


Figure 25. Proportion of hunters* who harvested whitefronted (specklebelly) geese during the 2014-15 waterfowl hunting seasons ( $n=988$ ).
*Cases selected for those who indicated they hunted for at least one day during the 2014-2015 goose seasons.


Figure 26. Comparison between the number of white-fronted geese hunters* seen in 2014-15 compared to the last 5 years ( $n=848$ ).
*Cases selected for those who hunted for at least one day during the 2014-15 regular goose season.


Figure 27. Comparison between the number of white-fronted geese (specklebelly) seen during the 2014-15 season compared to the last 5 years by hunters who targeted and did not target the species.
*Cases selected for those who hunted for at least one day during regular goose season.


Figure 28. Percentage of goose hunter* harvest of white-fronted (specklebelly) geese during the 2014-15 Regular Goose Season by those who targeted and did not target the species.
*Cases selected for those who hunted for at least one day during regular goose season.


Figure 29. Proportion of hunters* who targeted white-fronted (specklebelly) geese during the Regular Goose Season ( $n=988$ ).
*Cases selected for those who hunted for at least one day during regular goose season.

## Satisfaction with 2014-15 Duck and Goose Seasons

As a condition of implementing a four-zone structure, Illinois was required to collect information on hunter satisfaction in areas of the state impacted by waterfowl zone changes. The former South Zone was divided into two zones with a goal of providing preferred season dates to the majority of hunters in the South Central and South Zones. South Central Zone duck hunters harvested the highest average number of ducks per hunter per season ( $M=8.72$ ), an average of $3.21 \& 0.22$ ducks per hunter per season more than hunters in the

North and Central zones (respectively), and 0.06 ducks per hunter per season more than hunters in the South zone. South Zone duck hunters had the highest level of satisfaction for every aspect of the season except for "the match of the mid-season and peak migration," whereas South Central Zone hunters (despite harvesting the most ducks per hunter per season) were least satisfied with "the number of ducks harvested" and "match of midseason and peak migration" (Table 19). South Central and South Zone goose hunters harvested the fewest geese per hunter per season ( $M=1.49$ and $M=1.87$, respectively). North Zone goose hunters had the highest level of satisfaction with every measured aspect of the 2014-15 season, while South Zone hunters had the lowest level of satisfaction of all aspects of goose season (Table 20).

## Season Timing and Preferences

When asked about season timing, a majority of duck hunters (59.0\%) in the South Zone and almost half (49.0\%) of hunters in the North Zone reported that the 2014-15 duck season was timed "about right" (Figure 30 and Table 21). Most hunters in the Central Zone reported that the duck season timing was "too early" or "about right," and almost half (49.0\%) of hunters in the South Central Zone indicated that duck season was "too early." Most teal hunters (74.8\%) reported that teal season was timed "about right." A majority of goose hunters, across all four Illinois waterfowl zones reported timing for the 2014-15 goose season was "about right."


Duck Season Timing ( $n=1,641$ )

Goose Season Timing
( $n=945$ )

Figure 30. Duck and goose hunter* opinions about the timing of the 2014-15 waterfowl seasons
*Cases selected for those who hunted for at least one day in the corresponding season and zone.

Thirty-two percent of Central Zone goose hunters were more likely to prefer the goose season split to begin 2 days after the duck opener, followed by $22.0 \%$ who would prefer the split to begin 9 days after the opener (Figure 31). To understand hunter preferences toward season length and harvest limits of white fronted geese hunters were presented with three options: 1) a longer season with a one bird limit, 2) a shorter season with a 2 bird limit, or 3) no preference. "No preference" was selected by $69.4 \%$ of hunters in the North, $52.6 \%$ Central, and $45.5 \%$ in the South, whereas $44.7 \%$ of South Central Zone hunters preferred a shorter season and two bird limit (Table 22). Currently, a small area in northeastern Illinois is considered to be part of the north zone during duck season and part of the central zone during goose season. North Zone hunters reported greater preference that this area be considered North Zone for both duck (39.6\%) and goose (43.8\%) hunting, whereas Central Zone hunters were more likely to prefer it be Central Zone for both (36.0\% for duck and 37.6\% for goose) (Table 23).


Figure 31. Central zone goose hunter* preference for how many days after the duck opener should the goose season split begin ( $n=538$ ).
*Cases selected for those who hunted for at least one day in the central zone during the 2014-15 regular goose season.


Figure 32. The zone hunters intend to hunt ducks most often during 2015-16 ( $n=1884$ ).


Figure 33. Species waterfowl hunters hunted in Illinois during the 2014-15 seasons.

About half (48.0\%) of Illinois duck hunters reported that they intend to hunt in the Central Zone for ducks during the 2015-16 duck season, followed by 26\% that intend to hunt ducks in the North Zone (Figure 32). A majority of Illinois duck hunters (56.7\%) indicated that other hunting seasons do not affect their season preferences for duck hunting, but one third reported that deer season did affect their duck season preferences (Table 24), and waterfowl hunters in Illinois hunted deer slightly less than ducks during the 2014-15 seasons (Figure 33). Hunters were asked to provide their opinions about their preferred dates for duck hunting during the 2015-16 season following a 30, 45, and 60 day season structure. Hunter responses for 30 and 45 day seasons by zone can be found in Tables 25 and 26. Hunter preferences for a 60 day duck season reveal that North and Central Zone hunters prefer to hunt from mid to late October through December, whereas South and Central Zone hunters prefer to hunt ducks from late November through January (Figures 34-37, Table 27).


Figure 34. North zone duck hunters' preferences for A 60 day season structure in Illinois ( $n=361$ ).


Figure 36. South Central zone duck hunters’ preferences for a 60 day season structure in Illinois ( $n=221$ ).


Figure 35. Central zone duck hunters' preferences for a 60 day season structure in Illinois ( $n=657$ ).


Figure 37. South zone duck hunters' preferences for a 60 day season structure in Illinois ( $n=186$ ).

## Hunter Characteristics and Commitment to Waterfowl Hunting

Respondents who hunted waterfowl during the 2014-15 waterfowl season hunted waterfowl for a mean of 23.8 years and a mean of 21.9 years in Illinois. These hunters averaged 46 years of age and responded from all but Clay and Richland Counties. Females comprised $5.0 \%$ of survey respondents and $3.0 \%$ of those who hunted during the 2014-15 waterfowl hunting seasons (Figure 38). Almost all respondents who hunted during the 2014-15 season had previously hunted waterfowl in Illinois (Figure 39), and most who hunted during 2014-

15 Illinois hunting seasons hunted ducks (62.0\%), followed by deer (58.0\%), and geese (54.0\%). Half (50.0\%) of respondents reported they hunt waterfowl every year in Illinois, while $7.0 \%$ reported that they never hunt waterfowl in Illinois (Figure 40). Forty percent of duck hunters felt that they harvested fewer ducks than others hunters they know, $37.6 \%$ felt that they harvested the same number of ducks, and $22.4 \%$ felt they harvested more ducks (Figure 41). When asked to rank their personal skills at calling ducks, the number of ducks harvested per shots taken, and their overall duck hunting skills, most hunters ranked their skills as "intermediate" or slightly above for all categories (Table 28).

Most waterfowl hunter respondents $(n=1,465)$ hunted either regular duck $(86.8 \%)$ or regular goose (67.4\%) seasons during 2014-15. These hunters were asked a series of questions to determine their level of commitment to waterfowl hunting by examining their attitudes toward the importance of waterfowl hunting, recreational activity preferences, and amount of time spent preparing for waterfowl seasons. Collectively, Illinois waterfowl hunters were committed to waterfowl hunting; a majority of hunters who participated in at least one of the four Illinois waterfowl seasons ranked waterfowl hunting as one of their most important activities, spent a lot of time in the off season planning for waterfowl hunting, planned vacation time around waterfowl seasons, and would go waterfowl hunting over other recreational activities (Table 29). September teal hunters were the most committed among Illinois waterfowl hunters and led every category, followed by September goose, regular goose, and regular duck season hunters; moreover, $65.0 \%$ of Illinois waterfowl hunters hunted multiple waterfowl seasons (Figure 40). Consequently, individual hunter commitment levels were represented in each of the waterfowl seasons hunted during 2014-15, so comparisons of hunter commitment among season types should be made with caution.


Figure 38. Gender distribution of respondents who hunted* waterfowl during one of the 2014-15 waterfowl seasons ( $n=1461$ ).
*Cases selected for those who indicated they hunted for at least one day or more during the 2014-2015 waterfowl seasons.


Figure 40. How often respondents hunt waterfowl in Illinois ( $n=2185$ ).


Figure 39. Number of hunters* whose first time hunting waterfowl in Illinois was during one of the 2014-15 waterfowl seasons ( $n=1451$ ).
*Cases selected for those who indicated they hunted at least one day during the 2014-2015 waterfowl seasons.


Figure 41. Self-reported duck harvest comparisons between Illinois duck hunters* and other hunters they know ( $n=1235$ ).
*Cases selected for those who indicated they hunted for at least one day during the 2014-2015 duck seasons.


Figure 42. Percentage of waterfowl hunters* and the number of different waterfowl seasons hunted during 2014-15 in Illinois.
*Cases selected for those who indicated they hunted for at least one day during the 2014-2015 duck or goose seasons.

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Table 1. Summary of Illinois Migratory Waterfowl Stamps purchased, hunter activity, and waterfowl harvest in Illinois from 2004 through 2014 hunting seasons.

| Season <br> (Year) | Stamps <br> Purchased | Estimated <br> Hunters | Estimated <br> Days Hunted | Estimated <br> Harvest $^{\mathrm{b}}$ |
| :--- | :--- | :--- | :--- | :--- |
| 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 |
| 2010 | 64,828 | 50,936 | 985,075 | 513,882 |
| 2011 | 66,581 | 52,660 | $1,147,037$ | 577,654 |
| 2012 | 64,896 | 50,740 | $1,155,346$ | 580,557 |
| 2013 | 66,394 | 49,170 | $1,052,728$ | 605,720 |
| 2014 | 70,391 | 50,698 | 982,193 | 550,946 |

${ }^{\text {a }}$ Full listing for harvest 1981-Present can be found in Appendix H.
${ }^{\mathrm{b}}$ Teal, ducks, coots, and geese combined, and including September Teal and Canada goose seasons and youth hunt.
${ }^{\text {c }}$ Stamps purchased for commercial art purposes. These stamps were not included in the numbers to the left.

Table 2. The percentage of waterfowl hunters who hunted exclusively ducks, exclusively geese, or both ducks and geese in Illinois from 2004 through 2014 seasons.

| $S_{\text {Season }}$ <br> (Year) | Hunted <br> Ducks Only | Hunted <br> Geese Only | Hunted Both <br> Ducks and Geese | Duck <br> Hunters | Goose <br> Hunters |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 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 | $25.9 \%$ | $10.6 \%$ | $63.5 \%$ | $89.4 \%^{\mathrm{b}}$ | $74.1 \%^{\mathrm{b}}$ |
| 2009 | $27.5 \%$ | $8.4 \%$ | $64.1 \%$ | $91.6 \%^{\mathrm{b}}$ | $72.5 \%^{\mathrm{b}}$ |
| 2010 | $25.0 \%$ | $13.1 \%$ | $61.9 \%$ | $86.9 \%^{\mathrm{b}}$ | $75.0 \%^{\mathrm{b}}$ |
| 2011 | $20.7 \%$ | $18.3 \%$ | $61.0 \%$ | $81.7 \%$ | $79.3 \%$ |
| 2012 | $29.4 \%$ | $9.8 \%$ | $60.8 \%$ | $90.2 \%$ | $70.6 \%$ |
| 2013 | $30.2 \%$ | $9.8 \%$ | $60.0 \%$ | $90.2 \%$ | $69.8 \%$ |
| 2014 | $30.8 \%$ | $10.9 \%$ | $58.3 \%$ | $89.1 \%$ | $69.2 \%$ |

[^0]Table 3. Summary of Teal harvest and hunter activity during September Teal season (Illinois, 2004-2014).

| Season ${ }^{\text {a }}$ <br> (Year) | Estimated <br> Hunters | Estimated <br> Days Hunted | Estimated <br> Teal Harvest |
| :--- | :--- | :--- | :--- |
| 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 | $19,222 \pm 7,372$ |
| 2010 | 13,038 | 49,038 | $20,127 \pm 9,332$ |
| 2011 | 11,221 | 42,811 | $21,227 \pm 7,993$ |
| 2012 | 10,944 | 46,719 | $31,942 \pm 11,740$ |
| 2013 | 10,378 | 37,431 | $21,967 \pm 7,169$ |
| 2014 | 11,282 | 42,635 | $29,058 \pm 10,909$ |

${ }^{\text {a }} 1981-2013$ information can be located in Appendix H.

Table 4. Teal harvest and hunter activity by zones during September Teal season (Illinois, 2014).

|  | $n$ | Estimated <br> Hunters $^{\mathrm{a}}$ | Estimated Days <br> Hunted | Estimated Teal <br> Harvested |
| :--- | :---: | :---: | :---: | :---: |
| North Zone | 83 | 2,872 | 11,178 | 6,103 |
| Central Zone | 174 | 6,021 | 24,121 | 16,887 |
| S. Central Zone | 60 | 2,076 | 5,641 | 5,115 |
| South Zone | 16 | 554 | 1,696 | 954 |
| Unknown | 0 | 0 | 0 | 0 |

[^1]Table 5. Rates of Teal harvest and hunter activity during September Teal season (Illinois, 2004-2014).

|  |  | Teal Harvest per Hunter |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Season $^{\mathrm{a}}$ <br> (Year) | Season Length/ <br> Bag Limit | Days Hunted <br> Per Hunter | Per Day | Per Season |
| 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 |
| 2010 | $16 / 4$ | 3.76 | 0.41 | 1.54 |
| 2011 | $16 / 4$ | 3.82 | 0.50 | 1.90 |
| 2012 | $16 / 4$ | 4.27 | 0.68 | 2.92 |
| 2013 | $16 / 6$ | 3.61 | 0.59 | 2.12 |
| 2014 | $16 / 6$ | 3.78 | 0.68 | 2.58 |

${ }^{\text {a }} 1981-2013$ information can be located in Appendix H.

Table 6. Waterfowl harvest and hunter activity during Youth Waterfowl Hunting Days, 2004-2014.

| Season $^{\text {a }}$ <br> (Year) | Adult <br> Participation | Youth <br> Participation | Days <br> Hunting | Mean Youths/ <br> Hunting Party | Total <br> Ducks | Ducks/ <br> Youth/Day | Total <br> Coots | Coots/ <br> Youth/ Day | Total <br> Geese | Geese/ <br> Youth/ Day |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2004 | 5,603 | 7,891 | 12,997 | 1.41 | 7,477 | 0.58 | 48 | $<0.01$ | 561 | 0.04 |
| 2005 | 4,540 | 6,489 | 10,268 | 1.58 | 5,644 | 0.55 | 583 | 0.06 | 965 | 0.09 |
| 2006 | 5,447 | 8,024 | 11,903 | 1.48 | 9,863 | 0.83 | 133 | 0.01 | 732 | 0.06 |
| 2007 | 6,259 | 8,981 | 14,356 | 1.60 | 9,141 | 0.64 | 850 | 0.06 | 1,701 | 0.12 |
| 2008 | 6,402 | 9,878 | 14,799 | 1.50 | 10,380 | 0.70 | 241 | 0.02 | 1,466 | 0.10 |
| 2009 | 7,073 | 9,772 | 15,922 | 1.63 | 11,229 | 0.71 | 599 | 0.04 | 2,396 | 0.15 |
| 2010 | 5,471 | 7,452 | 11,828 | 1.59 | 9,156 | 0.77 | 419 | 0.04 | 1,420 | 0.12 |
| 2011 | 6,325 | 8,642 | 14,059 | 1.63 | 9,569 | 0.68 | 1,333 | 0.09 | 1,318 | 0.09 |
| 2012 | 7,825 | 10,001 | $52,448^{\text {b }}$ | 1.27 | $8,147^{\text {c }}$ | 0.41 | $503^{\text {c }}$ | 0.03 | $1,064^{\text {c }}$ | 0.05 |
| 2013 | 8,438 | 8,639 | 19,136 | 1.02 | 12,715 | 1.33 | 359 | 0.04 | 2,065 | 0.23 |
| 2014 | 6,405 | 8,572 | 13,798 | 1.33 | 9,004 | 1.30 | 192 | 0.03 | 929 | 0.14 |

[^2]Table 7. Summary of duck and coot harvest and hunter activity during the regular duck season (Illinois 2004-2014).

|  |  |  | Number of Ducks |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :---: |
| Season <br> (Year) | Hunters | Days <br> Afield | Mallards | Wood <br> Ducks | Other <br> Ducks | Total | Coots |  |
| 2004 | 49,046 | 652,960 | 207,982 | 44,725 | $116,951^{\text {b }}$ | 369,658 | 1,607 |  |
| 2005 | 43,185 | 539,672 | 240,897 | 37,942 | $133,509^{\mathrm{b}}$ | 412,348 | 2,186 |  |
| 2006 | 50,437 | 658,881 | 308,000 | 38,366 | $161,098^{\mathrm{b}}$ | 507,464 | 3,065 |  |
| 2007 | 49,114 | 600,614 | 265,369 | 34,628 | $164,369^{\mathrm{b}}$ | 464,366 | 3,771 |  |
| 2008 | 50,683 | 600,574 | 247,895 | 43,051 | 156,849 | 447,795 | 2,266 |  |
| 2009 | 49,648 | 626,832 | 228,211 | 41,549 | 129,795 | $399,555 \pm 69,698$ | $3,904 \pm 3,342$ |  |
| 2010 | 43,450 | 499,758 | 193,758 | 39,611 | 121,375 | $354,859 \pm 60,571$ | $1,770 \pm 2,435$ |  |
| 2011 | 46,619 | 632,712 | 222,405 | 54,294 | 150,786 | $427,484 \pm 66,551$ | $4,327 \pm 2,663$ |  |
| 2012 | 43,444 | 630,233 | 244,988 | 47,623 | 185,776 | $478,387 \pm 50,294$ | $4,133 \pm 3,536$ |  |
| 2013 | 43,653 | 563,961 | 225,873 | 49,001 | 155,306 | $430,179 \pm 29,431$ | $2,143 \pm 4,031$ |  |
| 2014 | 44,019 | 525,114 | 197,997 | 48,216 | $138,615^{\text {b }}$ | $384,828 \pm 39,741$ | $4,681 \pm 3,311$ |  |

[^3]Table 8. Duck species hunters harvested between September 2014 and January 2015 ( $n=1272$ ).

| Species | Scientific name | Number of hunters | Percent of hunters |
| :--- | :---: | :---: | :---: |
| Mallard | Anas platyrhynchos | 1089 | $85.6 \%$ |
| Wood Duck | Aix sponsa | 628 | $49.4 \%$ |
| Gadwall | Anas strepera | 588 | $46.2 \%$ |
| Green-winged Teal | Anas crecca | 547 | $43.0 \%$ |
| Shoveler | Anas clypeata | 341 | $26.8 \%$ |
| Blue-winged Teal | Anas discors | 338 | $26.6 \%$ |
| Pintail | Anas acuta | 315 | $24.8 \%$ |
| Wigeon | Anas americana | 295 | $23.2 \%$ |
| Scaup | Aythya marila | 188 | $14.8 \%$ |
| Redhead | Aythya americana | 151 | $11.9 \%$ |
| Canvasback | Aythya valisineria | 146 | $11.5 \%$ |
| Coot | Fulica americana | 56 | $4.4 \%$ |
| Ringneck* | Aythya collaris | 51 | $4.0 \%$ |
| Goldeneye* | Bucephala clangula | 30 | $2.4 \%$ |
| Merganser* | Mergus merganser | 28 | $2.2 \%$ |
| Bufflehead* | Buchephala albeola | 22 | $1.7 \%$ |
| Black Duck* | Anas ribripes | 12 | $0.9 \%$ |
| Ruddy Duck* | Oxyura jamaicensis | 9 | $0.7 \%$ |
| Scoter/white wing scoter* | Menitta fusca | 2 | $0.2 \%$ |
| Common Eider* | Somateria mollissima | 1 | $0.1 \%$ |

[^4]Table 9. Duck harvest and hunter activity by waterfowl zones and selected areas during the regular duck season (Illinois 2014-2015).

|  |  |  | Estimated <br> Days <br> Hunted | Estimated <br> Ducks <br> Harvested | Days <br> Hunted/ <br> Hunter | Ducks/ <br> Hunter/ <br> Day | Ducks/ <br> Hunter/ <br> Season |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Zone | $n$ | Hunters $^{\text {a }}$ |  | 12,493 | 121,848 | 68,865 | 9.75 |
| 0.57 | 5.51 |  |  |  |  |  |  |
| Central | 658 | 22,771 | 268,233 | 193,523 | 11.78 | 0.72 | 8.50 |
| South Central | 221 | 7,648 | 75,026 | 66,681 | 9.81 | 0.89 | 8.72 |
| South | 186 | 6,437 | 60,007 | 55,758 | 9.32 | 0.93 | 8.66 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Statewide | 1272 | 44,019 | 525,114 | 384,828 | 11.93 | 0.73 | 8.74 |

${ }^{\mathrm{a}}$ The number of individual duck hunters in the state is less than the sum of duck hunters from the categories above because some hunted in more than one zone.

Table 10. Rates of duck harvest and hunter activity during the regular duck season (Illinois 2004-2014).

| $\begin{aligned} & \text { Season }^{a} \\ & \text { (Year) } \end{aligned}$ | Season Length/ <br> Bag Limit | Days Afield/ <br> Hunter | Duck Harvest/Hunter ${ }^{\text {b }}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Per Day | Per Season |
| 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 |
| 2010 | 60/6(4,2) | 11.50 | 0.71 | 8.17 |
| 2011 | 60/6(4,2) | 13.57 | 0.68 | 9.17 |
| 2012 | 60/6(4,2) | 14.51 | 0.76 | 11.01 |
| 2013 | 60/6(4,2) | 12.92 | 0.76 | 9.85 |
| 2014 | 60/6(4,2) | 11.93 | 0.73 | 8.74 |

[^5]Table 11. Distribution of the number of days afield and number of ducks harvested in 2014-15.
*Number of ducks harvested was calculated by taking responses and applying the correction factor (Anderson 1985).

|  | Days Hunting Ducks <br> $(\%)$ | Number of Ducks Harvested <br> $(\%)$ |
| :--- | :---: | :---: |
| 0 | ---- | 13.5 |
| $1-5$ | 40.8 | 29.7 |
| $6-10$ | 21.3 | 14.5 |
| $11-15$ | 10.8 | 8.8 |
| $16-20$ | 9.2 | 6.4 |
| $21-25$ | 5.3 | 4.8 |
| $26-30$ | 5.3 | 5.0 |
| $>30$ | 7.2 | 17.2 |

Table 12. The actions duck hunters* take when their preferred duck hunting area freezes.

|  | Number of hunters | Percentage of hunters (\%) |
| :--- | :---: | :---: |
| Bust ice | 657 | 52 |
| Hunt over fields | 507 | 40 |
| Stop hunting | 445 | 35 |
| Hunt along rivers or streams | 328 | 26 |
| Use aerators/pump water | 291 | 23 |
| Set decoys on ice | 261 | 21 |
| Hunt over deep water/cooling lakes | 167 | 13 |
| Hunt in another state | 98 | 8 |
| Move to another part of Illinois | 92 | 7 |
| *Cases selected for those who indicated they hunted for at least one day during the 2014-2015 duck hunting seasons. |  |  |

Table 13. Canada goose harvest and hunter activity during the early September Canada goose season (Illinois 2004-2014).

|  | Year ${ }^{\text {a }}$ | Statewide | Waterfowl Zone |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | North | Central | South Central | South | Unknown |
| Hunters | 2004 | 11,170 | 4,250 | 6,220 |  | 984 | 0 |
|  | 2005 | 9,448 | 3,949 | 5,034 |  | 1,085 | 0 |
|  | 2006 | 12,609 | 4,848 | 6,607 |  | 1,154 | 0 |
|  | 2007 | 12,788 | 4,723 | 6,413 |  | 1,652 | 0 |
|  | 2008 | 13,157 | 4,934 | 6,690 |  | 1,533 | 0 |
|  | 2009 | 15,102 | 5,232 | 8,089 |  | 1,781 | 0 |
|  | 2010 | 11,015 | 3,918 | 5,813 |  | 1,285 | 0 |
|  | 2011 | 14,214 | 4,625 | 7,889 |  | 1,700 | 0 |
|  | 2012 | 11,192 ${ }^{\text {b }}$ | 4,601 | 5,928 | 1,161 | 249 | 0 |
|  | 2013 | 10,865 ${ }^{\text {b }}$ | 3,646 | 6,076 | 681 | 462 | 0 |
|  | 2014 | 12,147 | 4,153 | 6,679 | 934 | 554 | 0 |
| Days Afield | 2004 | 37,941 | 14,279 | 19,670 |  | 2,592 | 0 |
|  | 2005 | 29,143 | 12,184 | 14,352 |  | 2,607 | 0 |
|  | 2006 | 42,444 | 16,735 | 22,621 |  | 3,088 | 0 |
|  | 2007 | 41,549 | 14,169 | 22,080 |  | 5,300 | 0 |
|  | 2008 | 45,637 | 17,305 | 23,174 |  | 5,158 | 0 |
|  | 2009 | 51,318 | 19,591 | 26,048 |  | 5,678 | 0 |
|  | 2010 | 39,019 | 15,929 | 19,236 |  | 3,854 | 0 |
|  | 2011 | 49,306 | 16,832 | 27,441 |  | 5,033 | 0 |
|  | 2012 | 39,589 | 17,079 | 18,613 | 3,524 | 373 | 0 |
|  | 2013 | 40,955 | 12,323 | 24,816 | 2,042 | 1,774 | 0 |
|  | 2014 | 44,919 | 16,300 | 23,844 | 3,288 | 1,488 | 0 |
| Canada Geese | 2004 | 13,587 | 6,319 | 5,915 |  | 767 | 0 |
|  | 2005 | 9,896 | 4,862 | 4,047 |  | 987 | 0 |
|  | 2006 | 14,578 | 6,771 | 6,717 |  | 1,090 | 0 |
|  | 2007 | 16,207 | 6,057 | 8,645 |  | 1,505 | 0 |
|  | 2008 | 17,419 | 7,343 | 8,951 |  | 1,125 | 0 |
|  | 2009 | 16,212 | 6,101 | 8,336 |  | 1,774 | 0 |
|  | 2010 | 17,115 | 7,967 | 7,859 |  | 1,289 | 0 |
|  | 2011 | 18,790 | 6,339 | 10,874 |  | 1,577 | 0 |
|  | 2012 | 18,028 | 8,557 | 7,664 | 1,599 | 228 | 0 |
|  | 2013 | 15,644 | 5,165 | 9,271 | 523 | 685 | 0 |
|  | 2014 | 19,089 | 7,527 | 9,015 | 1,770 | 777 | 0 |

${ }^{\text {a }}$ 1981-2013 information can be located in Appendix H.
${ }^{\mathrm{b}}$ Less than the sum of hunters in individual zones because some hunters hunted more than 1 zone.

Table 14. Summary of goose harvest and hunter activity during the regular goose season (Illinois 2004 through 2014).

| Season <br> (Year) | Hunters | Days <br> Afield |  | Number of Geese |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :---: |
|  | 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 | $142,836(585)$ | $17,382(355)$ | $160,218(940) \pm 36,569$ |  |
| 2010 | 36,803 | 385,432 | $99,422(534)$ | $9,594(46)$ | $109,016(580) \pm 22,523$ |  |
| 2011 | 36,996 | 411,380 | $75,061(618)$ | $19,862(33)$ | $94,923(651) \pm 22,387$ |  |
| 2012 | 34,034 | 386,356 | $72,682(0)$ | $19,597(0)$ | $92,280(0) \pm 19,570$ |  |
| 2013 | 33,809 | 391,246 | $104,887(0)$ | $15,859(0)$ | $120,746(0) \pm 12,775$ |  |
| 2014 | 34,226 | 369,179 | $87,672(50)$ | $20,313(0)$ | $107,985(50) \pm 15,517$ |  |

Numbers in parentheses represent the number of geese harvested while duck hunting.
a 1981-2013 information can be located in Appendix H.
${ }^{\mathrm{b}}$ Reduced by 23,151 from estimate given in 2002 report to exclude Conservation Order snow goose harvest.

Table 15. Distribution of the number of days afield and number of geese harvested.
Number of geese harvested was calculated by taking responses and applying the correction factor (Anderson et al. 1996).

|  | Days Hunting Geese <br> $(\%)$ | Number of Geese Harvested <br>  <br> a <br> $(\%)$ |
| :--- | :---: | :---: |
| 0 | ---- | 46.2 |
| $1-5$ | 24.6 | 19.6 |
| $6-10$ | 41.3 | 11.8 |
| $11-15$ | 15.7 | 9.1 |
| $16-20$ | 7.4 | 3.1 |
| $21-25$ | 3.3 | 4.8 |
| $26-30$ | 2.4 | 5.4 |
| $>30$ | 1.3 | 46.2 |

[^6]Table 16. Goose harvest and hunter activity by zones, regular season (Illinois 2014-15).

| Zone | Hunters | Days <br> Afield | Estimated Goose Harvest |  |  |  | Total Days <br> Hunted/ <br> Hunter | Total Geese/ Hunter/ Day | Total <br> Geese/ <br> Hunter/ <br> Season |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Canada Geese | WhiteFronted Geese | Snow/ Blue Geese ${ }^{\text {b }}$ | Total Geese |  |  |  |
| North | 10,866 | 108,110 | 29,130 | 165 | 132 | 29,428 | 9.95 | 0.27 | 2.68 |
| Central | 18,618 | 194,383 | 46,549 | 3,639 | 6,137 | 56,325 | 10.44 | 0.24 | 2.50 |
| South Central | 4,049 | 36,025 | 6,038 | 2,663 | 5,260 | 13,961 | 8.90 | 0.17 | 1.49 |
| South | 3,184 | 30,661 | 5,955 | 1,538 | 777 | 8,271 | 9.63 | 0.19 | 1.87 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Statewide | 34,226 | 369,179 | 87,671 | 8,006 | 12,307 | 107,985 | 10.79 | 0.24 | 2.56 |

${ }^{\text {a }}$ Less than the sum of hunters in individual zones because some hunters hunted more than 1 zone.
${ }^{\mathrm{b}}$ Harvest estimates include Ross' geese.

Table 17. Canada goose harvest by zone during the regular goose season (Illinois 2012-13 through 2014-2015).

| Zone | $2012-2013$ | $2013-2014$ | $2014-2015$ | 3-Year Mean | S.D. |
| :--- | :---: | :---: | :---: | :---: | :---: |
| North | 27,068 | 32,472 | 29,130 | 29,557 | 2727 |
| Central | 33,012 | 52,862 | 46,549 | 44,141 | 10142 |
| South Central | 6,678 | 9,968 | 6,038 | 7561 | 2109 |
| South | 5,905 | 9,585 | 5,955 | 7,148 | 2110 |
| Unknown | 20 | 0 | 0 | 7 | 12 |
| Statewide | 72,682 | 104,887 | 87,671 | 88,413 | 16115 |

Table 18. Summary of the number of ducks and geese crippled (Illinois 2004-2014 regular seasons).

| $\begin{aligned} & \text { Season }^{\mathrm{a}} \\ & \text { (Year) } \end{aligned}$ | Estimated Ducks |  | Estimated Geese |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Total | Per 100 Bagged | Total | Per 100 Bagged |
| 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 |
| 2010 | 57,388 | 16.2 | 9,217 | 8.5 |
| 2011 | 64,268 | 15.0 | 6,937 | 7.3 |
| 2012 | 71,054* | 14.9* | 10,452* | 11.3* |
| 2013 | 59,064 | 13.7 | 8,847 | 7.3 |
| 2014 | 51,909 | 13.5 | 7,856 | 7.3 |

[^7]*Amended from 2012-13 report.

Table 19. Illinois duck hunters' levels of satisfaction with various aspects of the 2014-2015 duck seasons.

|  | Zone | Very Dissatisfied (\%) | $\begin{gathered} \text { Dissatisfied } \\ (\%) \\ \hline \end{gathered}$ | Unsure (\%) | Satisfied (\%) | Very Satisfied (\%) | $\overline{\mathrm{X}}$ (S.D.) ${ }^{\text {a }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number of ducks you saw | North $n=359$ | 12 | 26 | 25 | 30 | 7 | 2.94(1.15) |
|  | Central $n=652$ | 15 | 31 | 24 | 25 | 5 | 2.76(1.13) |
|  | South Central $n=221$ | 13 | 33 | 22 | 25 | 7 | 2.81(1.17) |
|  | South $n=185$ | 11 | 29 | 22 | 29 | 10 | 2.96(1.18) |
| Mid-season matched peak of migration | North $n=352$ | 14 | 32 | 35 | 16 | 3 | 2.60(1.00) |
|  | Central $n=635$ | 20 | 35 | 30 | 13 | 2 | 2.42(1.00) |
|  | South Central $n=215$ | 21 | 37 | 30 | 9 | 3 | 2.35(1.00) |
|  | South $n=179$ | 20 | 34 | 29 | 15 | 3 | 2.46(1.06) |
| Amount of shooting you got in | North $n=357$ | 19 | 29 | 25 | 25 | 2 | 2.62(1.11) |
|  | Central $n=647$ | 20 | 36 | 24 | 18 | 2 | 2.46(1.07) |
|  | South Central $n=217$ | 18 | 31 | 27 | 20 | 3 | 2.59(1.10) |
|  | South $n=180$ | 18 | 30 | 27 | 19 | 6 | 2.64(1.16) |
| Number of ducks that migrated through areas you hunted | North $n=355$ | 18 | 28 | 27 | 24 | 4 | 2.68(1.12) |
|  | Central $n=642$ | 17 | 32 | 26 | 21 | 3 | 2.60(1.10) |
|  | South Central $n=217$ | 15 | 33 | 28 | 21 | 4 | 2.66(1.08) |
|  | South $n=182$ | 12 | 35 | 24 | 23 | 7 | 2.79(1.13) |
| Amount of time you spent duck hunting | North $n=355$ | 10 | 28 | 30 | 28 | 5 | 2.89(1.07) |
|  | Central $n=648$ | 12 | 25 | 27 | 30 | 6 | 2.93(1.14) |
|  | South Central $n=217$ | 11 | 24 | 27 | 31 | 8 | 3.02(1.14) |
|  | South $n=183$ | 9 | 26 | 22 | 33 | 9 | 3.06(1.15) |
| Number of ducks you harvested | North $n=357$ | 22 | 29 | 25 | 22 | 2 | 2.55(1.13) |
|  | Central $n=649$ | 23 | 29 | 25 | 21 | 2 | 2.50(1.12) |
|  | South Central $n=216$ | 20 | 34 | 26 | 18 | 2 | 2.48(1.13) |
|  | South $n=181$ | 19 | 32 | 22 | 20 | 7 | 2.65(1.20) |
| Weather during duck season | North $n=357$ | 13 | 22 | 34 | 28 | 3 | 2.86(1.06) |
|  | Central $n=648$ | 17 | 25 | 34 | 21 | 3 | 2.68(1.07) |
|  | South Central $n=217$ | 12 | 21 | 37 | 28 | 2 | 2.85(1.02) |
|  | South $n=183$ | 7 | 28 | 27 | 28 | 10 | 3.05(1.11) |

[^8]Table 20. Illinois goose hunters' levels of satisfaction with various aspects of the 2014-2015 goose seasons.

|  |  | Very Dissatisfied (\%) | $\begin{gathered} \text { Dissatisfied } \\ (\%) \\ \hline \end{gathered}$ | Unsure (\%) | Satisfied (\%) | Very Satisfied (\%) | $\overline{\mathrm{X}}$ (S.D.) ${ }^{\text {a }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number of geese you saw | North $n=309$ | 7 | 12 | 20 | 44 | 17 | 3.52(1.11)) |
|  | Central $n=523$ | 9 | 21 | 22 | 36 | 12 | $3.20(1.17)$ |
|  | South Central $n=114$ | 27 | 29 | 20 | 19 | 4 | $2.45(1.21)$ |
|  | South $n=90$ | 30 | 29 | 21 | 17 | 3 | 2.34(1.17) |
| Mid-season matched peak of migration | North $n=305$ | 9 | 17 | 38 | 30 | 7 | 3.08(1.05) |
|  | Central $n=517$ | 14 | 27 | 33 | 21 | 6 | $2.78(1.01)$ |
|  | South Central $n=113$ | 35 | 25 | 24 | 12 | 4 | 2.24(1.17) |
|  | South $n=90$ | 30 | 34 | 26 | 10 | 0 | 2.16(0.97) |
| Amount of shooting you got in | North $n=309$ | 16 | 26 | 22 | 30 | 7 | 2.85(1.20) |
|  | Central $n=522$ | 20 | 31 | 21 | 23 | 5 | 2.62(1.17) |
|  | South Central $n=114$ | 32 | 34 | 18 | 13 | 4 | 2.23(1.14) |
|  | South $n=90$ | 33 | 40 | 16 | 8 | 3 | 2.08(1.01) |
| Number of geese that migrated through areas you hunted | North $n=309$ | 9 | 19 | 23 | 37 | 12 | 3.24(1.16) |
|  | Central $n=521$ | 11 | 24 | 27 | 29 | 8 | 3.00(1.15) |
|  | South Central $n=114$ | 30 | 32 | 22 | 12 | 4 | 2.30(1.15) |
|  | South $n=90$ | 31 | 32 | 19 | 16 | 2 | 2.26(1.13) |
| Amount of time you spent goose hunting | North $n=309$ | 10 | 25 | 26 | 4 | 6 | 3.00(1.10) |
|  | Central $n=521$ | 12 | 27 | 26 | 29 | 7 | 2.92(1.13) |
|  | South Central $n=114$ | 13 | 21 | 31 | 27 | 8 | 2.96(1.16) |
|  | South $n=90$ | 13 | 30 | 38 | 16 | 3 | 2.66(1.00) |
| Number of geese you harvested | North $n=308$ | 19 | 28 | 21 | 26 | 6 | 2.73(1.21) |
|  | Central $n=520$ | 24 | 30 | 20 | 22 | 4 | 2.52(1.20) |
|  | South Central $n=114$ | 35 | 32 | 18 | 9 | 6 | 2.18(1.19) |
|  | South $n=90$ | 38 | 29 | 21 | 10 | 2 | 2.10(1.10) |
| Weather during goose season | North $n=309$ | 7 | 16 | 35 | 38 | 5 | 3.17(0.99) |
|  | Central $n=522$ | 10 | 20 | 40 | 26 | 4 | 2.94(1.00) |
|  | South Central $n=114$ | 18 | 16 | 37 | 25 | 4 | 2.83(1.13) |
|  | South $n=90$ | 11 | 22 | 40 | 22 | 4 | 2.87(1.03) |

[^9]Table 21. Hunter opinions of the timing of 2014-15 waterfowl seasons.

| Season | $n$ | Too Early <br> $(\%)$ | About Right <br> $(\%)$ | Too Late <br> $(\%)$ | Not Sure <br> $(\%)$ |
| ---: | :---: | :---: | :---: | :---: | :---: |
| Teal | 302 | 15.6 | 74.8 | 4.0 | 5.3 |
| North duck | 342 | 31.6 | 48.5 | 12.0 | 7.9 |
| Central duck | 618 | 40.5 | 41.1 | 9.5 | 8.9 |
| South Central duck | 209 | 48.8 | 36.8 | 5.7 | 8.6 |
| South duck | 170 | 21.2 | 58.8 | 10.0 | 10.0 |
| North goose | 263 | 17.9 | 62.0 | 7.6 | 12.5 |
| Central goose | 487 | 31.2 | 55.2 | 4.5 | 9.0 |
| South Central goose | 113 | 40.7 | 50.4 | 0.9 | 8.0 |
| South goose | 82 | 32.9 | 57.3 | 0.0 | 9.8 |

*Cases selected for those that indicated they hunted at least 1 day during the corresponding zone/season in 2014-15.

Table 22. Illinois waterfowl hunter season structure preference for white-fronted (specklebelly) geese.

|  | North Zone <br> $(n=288)$ <br> $(\%)$ | Central Zone <br> $(n=502)$ <br> $(\%)$ | South Central Zone <br> $(n=114)$ <br> $(\%)$ | South Zone <br> $(n=175)$ |
| :--- | :---: | :---: | :---: | :---: |
| Shorter season with two bird limit. | 14.2 | 25.5 | 44.7 | 36.4 |
| Longer season with a one bird limit. | 16.3 | 21.9 | 23.7 | 18.2 |
| No preference. | 69.4 | 52.6 | 31.6 | 45.5 |

Cases selected for those who hunted $\geq 1$ day for geese during the 2014-15 regular goose season.

Table 23. North and Central zone waterfowl hunter zoning preferences for the area in northeastern Illinois that was included in the North Zone for duck season and Central Zone for goose season during the 2014-15 seasons.

| Zone and species <br> hunted | $n$ | North zone for duck <br> \& central for goose <br> $(\%)$ | North zone for both <br> $(\%)$ | Central zone for both <br> $(\%)$ |
| :--- | :---: | :---: | :---: | :---: |
| North zone goose | 272 | 34.2 | 43.8 | 22.1 |
| North zone duck | 321 | 35.5 | 39.6 | 24.9 |
| Central zone goose | 465 | 32.0 | 30.3 | 37.6 |
| Central zone duck | 567 | 33.5 | 30.5 | 36.0 |
| Combined $^{\text {a }}$ | 943 | 33.8 | 34.6 | 31.6 |

[^10]Table 24. Other hunting seasons that affect Illinois hunters' preferred duck season dates.

|  | Number of hunters | Percentage of hunters (\%) |
| :--- | :---: | :---: |
| Firearm deer season | 420 | 33.0 |
| Upland game season | 109 | 8.6 |
| Preferences are not based on hunting seasons | 721 | 56.7 |
| Archery deer season | 39 | 3.1 |
| Other seasons | 19 | 1.4 |

*Cases selected for those who indicated they hunted for at least one day during the 2014-2015 duck hunting seasons.

Table 25. Preferred season dates for a 30 day duck season in the zone intended to hunt in 2015-16.


Table 26. Preferred season dates for a 45 day duck season in the zone intended to hunt in 2015-16.


Table 27. Preferred season dates for a 60 day duck season in the zone intended to hunt in 2015-16.


Table 28. Illinois duck hunters' self-reported skill.

|  | Novice <br> $(\%)$ |  | Intermediate <br> $(\%)$ |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Expert |  |  |  |  |  |  |  |
| $(\%)$ |  |  |  |  |  |  |  |

*Cases selected for those who indicated they hunted for at least one day during the 2014-2015 duck hunting seasons.

Table 29. Illinois waterfowl hunters' commitment to waterfowl hunting.

|  | Season hunted | Disagree <br> $(\%)$ | Unsure <br> $(\%)$ | Agree <br> $(\%)$ | $\overline{\text { X }}$ (S.D.) |
| :--- | :--- | :--- | :--- | :--- | :--- |

1= Strongly Disagree, 7= Strongly Agree

## Appendix A <br> Illinois Waterfowl Hunter Survey 2014-2015 Season



# Illinois Department of Natural Resources <br> Division of Wildlife Resources <br> \& <br> The Illinois Natural History Survey 

The Department of Natural Resources is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the Illinois Compiled Statutes, The Wildlife Code, Chapter 520. Disclosure of information is voluntary. This study is funded by the federal Wildlife Restoration Fund through your purchase of sporting arms and ammunition.

## THANK YOU FOR YOUR COOPERATION!

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

## Section 1. Waterfowl Hunting Effort in Illinois. Please provide the following information so that Illinois <br> Department of Natural Resources (IDNR) waterfowl biologists may better understand hunters in Illinois.

1. Did you purchase an Illinois State Waterfowl Stamp for the 2014-2015 seasons?
$\qquad$ Yes $\qquad$ No
2. Which of the following best describes where you bought your most recent hunting license? (Please choose one.)
$\qquad$ IDNR Office $\qquad$ Chain retail store (e.g. Wal-mart, Dick's Sporting Goods)
$\qquad$ Online $\qquad$ Independent retail store (e.g. local bait shop, local grocery)
$\qquad$ Other (Please identify) $\qquad$
3. Which of the following best describes how often you hunt waterfowl (ducks, geese, or coots) in Illinois?
$\qquad$ Every year $\qquad$ Most years $\qquad$ Occassional years $\qquad$ Rarely $\qquad$ Never

If you never hunt waterfowl in Illinois, please go to Section 6 on the back cover.
4. Did you hunt waterfowl in Illinois during the 2014-2015 waterfowl hunting seasons?
$\qquad$ Yes $\qquad$ No (Skip to Section 3.)

4a. If "Yes," which zone did you hunt in most often during the 2014-2015 waterfowl season? (Please check one.)
$\qquad$ North Zone $\qquad$ Central Zone $\qquad$ South Central Zone $\qquad$ South Zone

4 b . In which of the following zones did you hunt opening day of DUCK season? (Please check all that apply.)
$\qquad$ North Zone $\qquad$ Central Zone ___South Central Zone $\qquad$ South Zone

4c. In which of the following zones did you hunt opening day of GOOSE season? (Please check all that apply.)
$\qquad$ North Zone $\qquad$ Central Zone $\qquad$ South Central Zone $\qquad$ South Zone

4d. Was the 2014-2015 Illinois waterfowl season your first time hunting waterfowl in Illinois?
$\qquad$ Yes, I'm a new Illinois resident waterfowl hunter
$\qquad$ Yes, I'm a new nonresident waterfowl hunter
$\qquad$ No
5. Did you keep records of your waterfowl hunting trips and/or harvests (not including those for state site permits)?
$\qquad$ Yes $\qquad$ No
6. Did you harvest a greater variety of species this year than you have in the last 5 years?
$\qquad$ Yes $\qquad$ No
7. Please indicate which species you harvested between September 2014 and January 2015. (Check all that apply.)
$\qquad$ Mallard $\qquad$ Redhead

Green-winged Teal $\qquad$ Shoveler $\qquad$ Canvasback
$\qquad$ Pintail $\qquad$ Gadwall $\qquad$ Blue-winged Teal $\qquad$ Scaup $\qquad$ Wood Duck
$\qquad$ Coot Wigeon $\qquad$ Other (please identify)

Section 2. Waterfowl Harvest in Illinois. Please provide the following information so that Illinois Department of Natural Resources (IDNR) waterfowl biologists may estimate waterfowl harvest in Illinois. This information will help IDNR conserve waterfowl populations and provide hunting opportunities in Illinois.

## If you did not hunt waterfowl in Illinois during the 2014-15 season, please go to Section 3 .

1. Please report your hunting effort and harvest in Illinois between September 2014 and January 2015 in the following tables.

- Include only your personal effort and harvest (DO NOT include harvests for party.)
- Count part of 1 day as 1 whole day.
- Only report days hunted in the table for the species you targeted that day.
a. September Teal Season (Do not include harvest after September.)

Total days Teal Teal downed but

| Zone hunted | County hunted |  | hunted | harvested |
| :--- | :--- | :--- | :--- | :--- | not retrieved

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

| Zone hunted | County hunted | Total days <br> hunted |  | Geese <br> harvested | Geese downed but <br> not retrieved |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

c. Regular Duck Season (Do not include harvest from September.)

| Zone hunted | County hunted | Total days hunted | Mallards harvested | Wood ducks harvested | Canvasbacks harvested | Other <br> ducks harvested | Coots harvested | Ducks downed but not retrieved |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

d. Regular Goose Season (Do not include harvest from September or Conservation Order Light Goose season that occurs after regular goose season closes.)

| Zone hunted |  | County hunted | Total days <br> hunted |  |  |  |  |  | Canada <br> geese <br> harvested | White-fronted <br> (Specklebelly) <br> geese harvested | Snow/Blue/ <br> Ross' geese <br> harvested | Geese downed <br> but not <br> retrieved |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

2. Were there any days you went hunting but did not have an opportunity to shoot at any birds?
$\qquad$ Yes $\longrightarrow$ If "Yes," approximately how many days did this happen? $\qquad$ days
$\qquad$ No
3. Did you use a spinning-wing decoy to hunt ducks in Illinois during the 2014-2015 season?
$\qquad$ Yes $\qquad$ No
4. How does the number of white-fronted (specklebelly) geese you saw this year compare to the last 5 years?
$\qquad$ Much less $\qquad$ Less $\qquad$ About the same $\qquad$ More $\qquad$ Much more
5. Did you target white-fronted (specklebelly) geese during the Regular Goose Season? (Please check all that apply.)
$\qquad$ Yes, I used white-fronted (specklebelly) decoys
$\qquad$ Yes, I used a white-fronted (specklebelly) call
$\qquad$ No, I did not target them, but I shot them when I had the opportunity
$\qquad$ No, I did not target or shoot at them

Section 3. Youth Hunts. Please answer the following questions about mentoring youth hunters in Illinois. Please note: "Youths" are defined as hunters under 16 years of age.

1. Did you take a youth (less than 16 years old) hunting during the $\mathbf{2 0 1 4}$ Youth Waterfowl Hunting Days?
$\qquad$ Yes $\qquad$ No (Skip to question 2.)

1a. If "Yes," was this at least one youth's first time duck or goose hunting?
$\qquad$ Yes $\qquad$ No

1b. Was this YOUR first time accompanying a youth during the Youth Waterfowl Hunting Days?
$\qquad$ Yes $\qquad$ No

1c. Please report information for each youth that hunted during the 2014 Youth Waterfowl Hunting Days.
(North Zone: Oct. 11-12, Central Zone: Oct. 18-19, South Central Zone: Nov. 1-2, South Zone: Nov. 15-16) Enter $\mathbf{0}$ if the youth did not harvest any ducks, geese, or coots.

| Number <br> of Days <br> hunted |  | County <br> hunted | Mallards <br> harvested | Wood <br> ducks <br> harvested | Other <br> ducks <br> harvested | Geese <br> harvested | Coots <br> harvested |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Youth 1 |  |  |  |  |  |  |  |  |
| Youth 2 |  |  |  |  |  |  |  |  |
| Youth 3 |  |  |  |  |  |  |  |  |

2. Did you take a youth hunting during the 2014-2015 regular duck or goose seasons in Illinois? $\ldots$ Yes $\longrightarrow$ If "Yes," please check which season(s): $\qquad$ Regular Duck $\qquad$ Regular Goose
$\qquad$ No A youth accompanied me hunting, but they did not hunt
3. If you have ever taken a youth ( $\leq 16$ years of age) hunting, which one of the following is the most important reason for doing so? (Please check only one.)
$\qquad$ To protect the sport for future generations $\qquad$ To build character
$\qquad$ To teach responsible and safe hunting practices $\qquad$ To make memories
$\qquad$ To demonstrate a love for the outdoors $\qquad$ Other (please identify) $\qquad$
4. Have you ever introduced a non-youth hunter (16 years old or older) to waterfowl hunting?
$\qquad$ Yes $\qquad$ No

Section 4. Hunting Skills and Satisfaction. Please tell us about yourself as a hunter and your satisfaction with the most recent duck and/or goose season(s) by answering the following statements.

1. Please rate your skills in comparison to other hunters as they apply to duck hunting.

|  | Novice |  |  | Intermediate |  | Expert |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Skill calling in ducks | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Ducks harvested per shots taken | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Overall skill as a duck hunter | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

2. How does the number of ducks you usually harvest compare to other hunters you know?
$\qquad$ Much Less $\qquad$ Slightly Less $\qquad$ About the same $\qquad$ Slightly More $\qquad$ Much More
3. What do you do when water in your preferred duck hunting area freezes? (Please check all that apply.)
$\qquad$ Hunt along rivers or streams $\qquad$ Hunt over fields $\qquad$ Go hunt in another state
$\qquad$ Move to another part of Illinois $\qquad$ Bust ice $\qquad$ Use aerators/pump water
$\qquad$ Hunt over deep water/cooling lakes $\qquad$ Set decoys on ice
___ Stop hunting
4. Please answer the following questions regarding your attitudes toward waterfowl hunting.

|  | Strongly <br> Disagree | Disagree | Slightly <br> Disagree | Unsure | Slightly <br> Agree | Agree | Strongly <br> Agree |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Waterfowl hunting is one of the most <br> important activities in my life. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I spend a lot of time in the off-season <br> planning for waterfowl hunting. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I plan vacation time around waterfowl <br> seasons. <br> Waterfowl hunting determines much of <br> my lifestyle. <br> I spend a lot of time before the season <br> scouting the area I will hunt. <br> I would rather go waterfowl hunting than <br> do any other recreation. | 1 | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 |  |  |  |  |  |  |  |

5. Please rate your SATISFACTION with the most recent duck season you hunted in Illinois for each of the following by circling the number that matches your response.

|  | Very <br> Dissatisfied | Dissatisfied | Neutral | Satisfied | Very <br> Satisfied |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Number of ducks you saw | 1 | 2 | 3 | 4 | 5 |
| Mid-season matched peak of duck migration | 1 | 2 | 3 | 4 | 5 |
| Amount of shooting you got in | 1 | 2 | 3 | 4 | 5 |
| Number of ducks migrating through areas you hunted | 1 | 2 | 3 | 4 | 5 |
| Amount of time you spent duck hunting | 1 | 2 | 3 | 4 | 5 |
| Number of ducks you harvested | 1 | 2 | 3 | 4 | 5 |
| Weather during duck season | 1 | 2 | 3 | 4 | 5 |

6. Please rate your SATISFACTION with the most recent regular Canada goose season you hunted in Illinois for each of the following by circling the number that matches your response.

|  | Very <br> Dissatisfied | Dissatisfied | Neutral | Satisfied | Very <br> Satisfied |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Number of geese you saw | 1 | 2 | 3 | 4 | 5 |
| Mid-season matched peak of goose migration | 1 | 2 | 3 | 4 | 5 |
| Amount of shooting you got in | 1 | 2 | 3 | 4 | 5 |
| Number of geese that migrated through areas you hunted | 1 | 2 | 3 | 4 | 5 |
| Amount of time you spent goose hunting | 1 | 2 | 3 | 4 | 5 |
| Number of geese you harvested | 1 | 2 | 3 | 4 | 5 |
| The weather during goose season | 1 | 2 | 3 | 4 | 5 |

Section 5. Regulations and Season Preferences. Please answer the following question concerning your season date preferences and mallard hen limits for future seasons in Illinois.

1. Which season structure would you prefer for white-fronted (specklebelly) geese?
___ Shorter season with two-bird limit (North Zone: Nov. 3 - Jan. 15, Central Zone: Nov. 19 - Jan. 31, South Central Zone: Nov. 19 - Jan. 31, South Zone: Nov. 27 - Jan. 31)
___ Longer season with a one-bird limit (North Zone: Oct. 11 - Jan. 15, Central Zone: Oct. 18 - Jan. 31, South Central Zone: Nov. 1 - Jan. 31, South Zone: Nov. 15 - Jan. 31)
$\qquad$ No preference
2. Due to a restriction on goose hunting days, the Central Zone Canada goose season cannot run concurrently with the duck season. Therefore, it is required to have a split season where the season is closed for about 10 days.

## Please refer to the diagram below and indicate when you think the season should be closed.

(Note: Option D is what is currently used).

3. In which zone do you intend to hunt DUCKS most often during the 2015-16 duck hunting season?
$\qquad$ North Zone $\qquad$ Central Zone $\qquad$ South Central Zone $\qquad$ South Zone
4. Please identify your preferred 2015-16 Duck season dates for the zone you intend to hunt in most often during the 2015-16 duck season. Note: The 2015 firearm deer season is scheduled to occur Nov. 20-22 and Dec. 3-6.

The 2014-15 duck season dates were as follows: North Zone: Oct. 18 - Dec. 16, Central Zone: Oct. 25 - Dec. 23 South Central Zone: Nov. 8 - Jan. 6, South Zone: Nov. 27 - Jan. 25.

| Please select one | Please select one |
| :---: | :---: |
| 30 Day Season | 45 Day Season |
| $\qquad$ Oct. 3 - Nov. 1 <br> Oct. 10 - Nov. 8 <br> Oct. 17 - Nov. 15 <br> Oct. 24 - Nov. 22 <br> Oct. 31 - Nov. 29 <br> Nov. 7 - Dec. 6 <br> Nov. 14 - Dec. 13 <br> Nov. 21 - Dec. 20 <br> Nov. 28 - Dec. 27 <br> Dec. 5 - Jan. 3 <br> Dec. 12 - Jan. 10 <br> Dec. 19 - Jan. 17 <br> Dec. 26 - Jan. 24 <br> Jan. 2 - Jan. 31 <br> No Preference | $\qquad$ Oct. 3 - Nov. 16 $\qquad$ Oct. 10 - Nov. 23 $\qquad$ Oct. 17 - Nov. 30 $\qquad$ Oct. 24 - Dec. 7 $\qquad$ Oct. 31 - Dec. 14 $\qquad$ Nov. 7 - Dec. 21 $\qquad$ Nov. 14 - Dec. 28 $\qquad$ Nov. 21 - Jan. 4 $\qquad$ Nov. 28 - Jan. 11 $\qquad$ Dec. 5 - Jan. 18 $\qquad$ Dec. 12 - Jan. 25 $\qquad$ No Preference |

Please select one

| 60 Day Season |
| :---: | Oct. 3 - Dec. 1 Oct. 10 - Dec. 8

___ Oct. 17 - Dec. 15
___ Oct. 24 - Dec. 22
___ Oct. 31 - Dec. 29
__ Nov. 7 - Jan. 5
__ Nov. 14 - Jan. 12
___ Nov. 21 - Jan. 19
___ Nov. 28 - Jan. 26
___ No Preference
5. Did you feel that the dates of the 2014-15 waterfowl hunting seasons were too early, about right, or too late?
(Please circle one for each season.)

|  | Too early | About right | Too late | I am not <br> sure | I did not hunt <br> this season. |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Teal season (September only) | 1 | 2 | 3 | 4 | 5 |
| North Zone Duck Season | 1 | 2 | 3 | 4 | 5 |
| Central Zone Duck Season | 1 | 2 | 3 | 4 | 5 |
| South Central Zone Duck Season | 1 | 2 | 3 | 4 | 5 |
| South Zone Duck Season | 1 | 2 | 3 | 4 | 5 |
| North Zone Canada Goose Season | 1 | 2 | 3 | 4 | 5 |
| Central Zone Canada Goose Season | 1 | 2 | 3 | 4 | 5 |
| South Central Zone Canada Goose Season | 1 | 2 | 3 | 4 | 5 |
| South Zone Canada Goose Season | 1 | 2 | 3 | 4 | 5 |

6. Which other hunting seasons affect your preferences for duck season dates? (Please check all that apply.)
$\qquad$ Firearm deer season (Nov. 20-22 \& Dec. 3-6)
___ Upland game season (Nov. 7 opener)
___ My preferences are not based on the hunting seasons above.
___ Other (please identify): $\qquad$

Please refer to the zone map on the back of the included cover letter to answer question 7.
7. What should happen to the striped area in northeastern Illinois that is currently in the North Zone for duck season and Central Zone for goose season?
$\qquad$ Remain as it is, in the North Zone for duck season and Central Zone for goose season.
$\qquad$ Be part of the North Zone for both duck and goose seasons.
$\qquad$ Be part of the Central Zone for both duck and goose seasons.

Section 6. Background Information. The following questions allow us to understand more about the people involved in waterfowl hunting in Illinois. All responses are kept confidential.

1. Which of the following species did you hunt in Illinois during the 2014-15 seasons? (Please check all that apply.)
$\qquad$
$\qquad$ Furbearers $\qquad$ Pheasants
$\qquad$ Rabbits
$\qquad$ Gray Partridge
$\qquad$ Quail $\qquad$ Squirrels帾
$\qquad$
$\qquad$ Ducks $\qquad$ Geese $\qquad$
2. How many years total have you hunted waterfowl? $\qquad$ years
3. How many years have you hunted waterfowl in Illinois? $\qquad$
4. What is your county of residence? $\qquad$ County (If nonresident, please include state)
5. Please give your age. $\qquad$ years
6. What is your gender? $\qquad$ Male $\qquad$ Female

## Comments



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

## Appendix B

ILLinois Natural History Survey
Prairie Research Institute
University of Illinois at Urbana-Champaign

February 7, 2015

Dear Waterfowl Hunter,
Your name was randomly selected from a list of Illinois state waterfowl stamp purchasers from 2014. We are asking you to provide information about your activities during the 2014-2015 waterfowl hunting seasons in Illinois. Even if you did not hunt ducks or geese in Illinois during the 2014-2015 seasons, we need to hear from you and we ask that you take a few minutes to complete and return the enclosed questionnaire.

We have included the Illinois waterfowl zone map on the back of this letter if you need it to determine the zone(s) you hunted.

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 help waterfowl managers make decisions to improve hunting opportunities and to better manage Illinois' duck and goose populations. Your responses are voluntary and completely confidential. By responding you will help us more effectively manage waterfowl and hunting in Illinois.

If you do not wish to participate, please return the blank questionnaire so we can remove you from our mailing list.

You may access the results of this and other studies of hunters and hunting 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/.

If you have questions regarding this study, please call us at (217) 244-5121.


Craig A. Miller
Human Dimensions Research Program


Please refer to the graphics on this page to answer the questions in Section 5.


## Appendix C



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, we thank you. If you have not returned the questionnaire, please do so as soon as possible. Your input is very important!

Your name and address will be deleted from our mailing list when your questionnaire is received. Thank you for your cooperation.

## Appendix D

IlLinois Natural History Survey
Prairie Research Institute
University of Illinois at Urbana-Champaign

March 10, 2015

Dear Waterfowl Hunter,
Your name was randomly selected from the list of 2014 Illinois state waterfowl stamp purchasers.
We recently mailed you a questionnaire regarding your hunting experiences in Illinois during the 2014-2015 waterfowl season. If you have already returned the questionnaire, we thank you.

If you have not returned your completed questionnaire, please do so as soon as possible.
We have enclosed another copy for your use. The information you and other selected hunters provide will help waterfowl managers make decisions to improve hunting opportunities and to better manage Illinois' duck and goose populations. Your responses are voluntary and completely confidential.

Even if you did not hunt ducks or geese in Illinois during the 2014-2015 seasons, we need to hear from you and we ask that you take a few minutes to complete and return the enclosed questionnaire. A postage paid envelope is provided for you to return the questionnaire to us.

If you do not wish to participate, please return the blank questionnaire so we can remove your name from our mailing list.

You may access the results of this and other studies of hunters and hunting 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/.

If you have questions regarding this study, please call us at (217) 244-5121.
Thank you for helping with this important study.


Craig A. Miller
Human Dimensions Research Program


Please refer to the graphics on this page to answer the questions in Section 5.


## Appendix E

IlLinois Natural History Survey
Prairie Research Institute
University of Illinois at Urbana-Champaign

April 13, 2015

Dear Waterfowl Hunter,
Your name was randomly selected from the list of 2014 Illinois state waterfowl stamp purchasers. We recently mailed you a questionnaire regarding your hunting experiences in Illinois during the 2014-2015 waterfowl season. If you have already returned the questionnaire, we thank you.

If you have not returned your completed questionnaire, please do so as soon as possible. We have enclosed another copy for your use. The information you and other selected hunters provide will help waterfowl managers make decisions to improve hunting opportunities and to better manage Illinois' duck and goose populations. Your responses are voluntary and completely confidential.

Even if you did not hunt ducks or geese in Illinois during the 2014-2015 seasons, we need to hear from you and we ask that you take a few minutes to complete and return the enclosed questionnaire. A postage paid envelope is provided for you to return the questionnaire to us.

If you do not wish to participate, please return the blank questionnaire so we can remove your name from our mailing list.

You may access the results of this and other studies of hunters and hunting 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/.

If you have questions regarding this study, please call us at (217) 244-5121.
Thank you for helping with this important study.


Craig A. Miller
Human Dimensions Research Program


Please refer to the graphics on this page to answer the questions in Section 5.


## Appendix F.

Table F-1. Summary of Illinois Migratory Waterfowl Stamps purchased, hunter activity, and waterfowl harvest in Illinois from 1981 through 2014 hunting seasons.

| Season <br> (Year) | Stamps <br> Purchased | Estimated <br> Hunters | Estimated <br> Days Hunted | Estimated <br> Waterfowl Harvested |
| :--- | :---: | :---: | :---: | :---: |
| 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 | $58,803(5,550)^{\text {b }}$ | 60,371 | 814,918 | 354,194 |
| $1988^{\text {c }}$ | $53,498(4,350)$ | 53,450 | 644,056 | 264,316 |
| $1989^{\text {c }}$ | $55,693(3,570)$ | 55,709 | 749,033 | 322,359 |
| $1990^{\text {c }}$ | $55,009(2,390)$ | 55,152 | 708,391 | 270,796 |
| $1991^{\text {c }}$ | $58,421(2,130)$ | 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 |
| 2010 | 64,828 | 50,936 | 985,075 | 513,882 |
| 2011 | 66,581 | 52,660 | $1,147,037$ | 577,654 |
| 2012 | 64,896 | 50,740 | $1,155,346$ | 580,557 |
| 2013 | 66,394 | 49,170 | $1,052,728$ | 605,720 |
| 2014 | 70,391 | 50,698 | 982,193 | 550,946 |

${ }^{\mathrm{a}}$ 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.
${ }^{\mathrm{b}}$ Stamps purchased for commercial art purposes. These stamps were not included in the numbers to the left.
${ }^{\text {c }}$ 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 F-2. The percentage of regular season waterfowl hunters who hunted exclusively ducks, exclusively geese, or both ducks and geese in Illinois from 1981 through 2014 seasons.

| Season (Year) | Hunted Ducks Only | Hunted Geese Only | Hunted Both Ducks and Geese | Duck Hunters | Goose <br> Hunters |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 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\% | 89.4\% ${ }^{\text {a }}$ | 74.1\% ${ }^{\text {a }}$ |
| 2009 | 27.5\% | 8.4\% | 64.1\% | 91.6\% ${ }^{\text {a }}$ | 72.5\% ${ }^{\text {a }}$ |
| 2010 | 25.0\% | 13.1\% | 61.9\% | 86.9\% ${ }^{\text {a }}$ | 75.0\% ${ }^{\text {a }}$ |
| 2011 | 20.7\% | 18.3\% | 61.0\% | 81.7\% | 79.3\% |
| 2012 | 29.4\% | 9.8\% | 60.8\% | 90.2\% | 70.6\% |
| 2013 | 30.2\% | 9.8\% | 60.0\% | 90.2\% | 69.8\% |
| 2014 | 30.8\% | 10.9\% | 58.3\% | 89.1\% | 69.2\% |

[^11]Table F-3. Summary of Teal harvest and hunter activity during September Teal season (Illinois, 1981-2014).

| $\begin{aligned} & \hline \text { Season } \\ & \text { (Year) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Estimated } \\ \text { Hunters } \\ \hline \end{gathered}$ | Estimated Days Hunted | Estimated Teal Harvest |
| :---: | :---: | :---: | :---: |
| 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 |
| $1988{ }^{\text {a }}$ | --- | ------ | ------ |
| $1989{ }^{\text {a }}$ | --- | ------ | ------ |
| $1990^{\text {a }}$ | ------ | -- | --- |
| 1991 ${ }^{\text {a }}$ | ------ | ------ | ------ |
| 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 $\pm 7,372$ |
| 2010 | 13,038 | 49,038 | 20,127 $\pm 9,322$ |
| 2011 | 11,221 | 42,811 | $21,227 \pm 7,993$ |
| 2012 | 10,944 | 46,719 | 31,942 $\pm 11,740$ |
| 2013 | 10,378 | 37,431 | $21,967 \pm 7,169$ |
| 2014 | 11,282 | 42,635 | $29,058 \pm 10,909$ |

[^12]Table F-4. Rates of Teal harvest and hunter activity during September Teal season (Illinois, 1981-2014).

| $\begin{aligned} & \text { Season } \\ & \text { (Year) } \end{aligned}$ | Season Length/ Bag Limit | Days Hunted <br> 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 |
| $1988{ }^{\text {a }}$ | ---- | ---- | ---- | ---- |
| $1989{ }^{\text {a }}$ | ---- | ---- | ---- | ---- |
| $1990^{\text {a }}$ | ---- | ---- | ---- | ---- |
| $1991{ }^{\text {a }}$ | ---- | ---- | ---- | ---- |
| 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 |
| 2010 | 16/4 | 3.76 | 0.41 | 1.54 |
| 2011 | 16/4 | 3.82 | 0.50 | 1.90 |
| 2012 | 16/4 | 4.27 | 0.68 | 2.92 |
| 2013 | 16/6 | 3.61 | 0.59 | 2.12 |
| 2014 | 16/6 | 3.78 | 0.68 | 2.58 |

[^13]Table F-5. Waterfowl harvest and hunter activity during Youth Waterfowl Hunting Days, 1996-2014.

| $S^{S}$ <br> (Yeasor) | Adult <br> Participation | Youth <br> Participation | Days <br> Hunting | Mean Youths/ <br> Hunting Party | Total <br> Ducks | Ducks/ <br> Youth/Day | Total <br> Coots | Coots/ <br> Youth/ Day | Total <br> Geese | Geese/ <br> Youth/ Day |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1996 | 2,749 | 4,353 | 4,353 | 1.58 | 3,171 | 0.73 | 230 | 0.05 | $----^{\text {a }}$ | --- |
| 1997 | 3,163 | 4,322 | 4,322 | 1.37 | 3,451 | 0.80 | 387 | 0.09 | --- - $^{\text {a }}$ | --- |
| 1998 | 3,343 | 5,142 | 5,142 | 1.54 | 4,159 | 0.81 | 208 | 0.04 | 289 | 0.06 |
| 1999 | 5,505 | 8,113 | 8,113 | 1.47 | 5,835 | 0.72 | 629 | 0.08 | 571 | 0.07 |
| 2000 | 6,815 | 10,107 | 14,079 | 1.48 | 8,388 | 0.60 | 38 | $<0.01$ | 882 | 0.06 |
| 2001 | 9,140 | 15,148 | 22,525 | 1.67 | 11,727 | 0.52 | 480 | 0.02 | 971 | 0.04 |
| 2002 | 8,498 | 13,325 | 19,548 | 1.57 | 9,085 | 0.46 | 271 | 0.01 | 887 | 0.05 |
| 2003 | 7,415 | 11,419 | 17,985 | 1.54 | 9,184 | 0.51 | 178 | 0.01 | 1,116 | 0.06 |
| 2004 | 5,603 | 7,891 | 12,997 | 1.41 | 7,477 | 0.58 | 48 | $<0.01$ | 561 | 0.04 |
| 2005 | 4,540 | 6,489 | 10,268 | 1.58 | 5,644 | 0.55 | 583 | 0.06 | 965 | 0.09 |
| 2006 | 5,447 | 8,024 | 11,903 | 1.48 | 9,863 | 0.83 | 133 | 0.01 | 732 | 0.06 |
| 2007 | 6,259 | 8,981 | 14,356 | 1.60 | 9,141 | 0.64 | 850 | 0.06 | 1,701 | 0.12 |
| 2008 | 6,402 | 9,878 | 14,799 | 1.50 | 10,380 | 0.70 | 241 | 0.02 | 1,466 | 0.10 |
| 2009 | 7,073 | 9,772 | 15,922 | 1.63 | 11,229 | 0.71 | 599 | 0.04 | 2,396 | 0.15 |
| 2010 | 5,471 | 7,452 | 11,828 | 1.59 | 9,156 | 0.77 | 419 | 0.04 | 1,420 | 0.12 |
| 2011 | 6,325 | 8,642 | 14,059 | 1.63 | 9,569 | 0.68 | 1,333 | 0.09 | 1,318 | 0.09 |
| 2012 | 7,825 | 10,001 | $52,448^{\text {b }}$ | 1.27 | $8,147^{\text {c }}$ | 0.41 | $503^{\text {c }}$ | 0.03 | $1,064^{\text {c }}$ | 0.05 |
| 2013 | 8,438 | 8,639 | 19,136 | 1.02 | 12,715 | 1.33 | 359 | 0.04 | 2,065 | 0.23 |
| 2014 | 6,405 | 8,572 | 13,798 | 1.33 | 9,004 | 1.30 | 192 | 0.03 | 929 | 0.14 |

1996 - 1999 were one day seasons and 2000 - present were 2 day seasons.
${ }^{\text {a }}$ Could not hunt geese during the Youth Waterfowl Hunting Day in 1996 and 1997.
${ }^{\mathrm{b}}$ Results include youth hunts during the regular season and the 2 day Youth Waterfowl Hunting Days.
${ }^{\text {c }}$ Results are a 2 day estimate based on the mean number harvested by youth from the entire season

Table F-6. Summary of duck and coot harvest and hunter activity during the regular duck season (Illinois 19812014).

| $\begin{aligned} & \text { Season } \\ & \text { (Year) } \\ & \hline \end{aligned}$ | Hunters | Days Afield | Number of Ducks |  |  |  | Coots |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Mallards | Wood Ducks | Other Ducks ${ }^{\text {b }}$ | 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 |
| $1988{ }^{\text {a }}$ | 43,233 | 381,985 | 119,149 | 23,743 | 42,836 | 185,728 | 1,936 |
| 1989 ${ }^{\text {a }}$ | 43,841 | 407,478 | 133,128 | 28,065 | 63,073 | 224,266 | 2,049 |
| $1990^{\text {a }}$ | 38,759 | 350,119 | 112,370 | 33,253 | 51,562 | 197,185 | 2,287 |
| 1991 ${ }^{\text {a }}$ | 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 (3,760) | 246,944 | 3,880 |
| 1995 | 42,499 | 482,620 | 230,505 | 47,155 | 99,632 (5,393) | 377,292 | 3,386 |
| 1996 | 44,219 | 460,517 | 163,311 | 38,783 | 82,431 (4,348) | 284,525 | 3,286 |
| 1997 | 42,587 | 514,934 | 145,533 | 44,678 | 100,950 (5,800) | 291,161 | 3,935 |
| 1998 | 41,755 | 517,372 | 200,030 | 57,393 | 129,439 (3,948) | 386,862 | 2,920 |
| 1999 | 51,850 | 860,368 | 311,325 | 69,930 | 181,650 (4,977) | 562,905 | 3,654 |
| 2000 | 43,810 | 621,542 | 271,903 | 58,604 | 166,834 (4,231) | 497,341 | 2,206 |
| 2001 | 53,194 | 797,884 | 305,180 | 61,515 | 167,883 (1,968) | 534,578 | 2,904 |
| 2002 | 47,964 | 642,542 | 197,392 | 46,238 | 106,213 (851) | 349,843 | 1,743 |
| 2003 | 50,658 | 738,914 | 285,011 | 48,023 | 153,165 (1,789) | 486,199 | 1,693 |
| 2004 | 49,046 | 652,960 | 207,982 | 44,725 | 116,951 (2,100) | 369,658 | 1,607 |
| 2005 | 43,185 | 539,672 | 240,897 | 37,942 | 133,509 (3,918) | 412,348 | 2,186 |
| 2006 | 50,437 | 658,881 | 308,000 | 38,366 | 161,098 (5,927) | 507,464 | 3,065 |
| 2007 | 49,114 | 600,614 | 265,369 | 34,628 | 164,369 (5,925) | 464,366 | 3,771 |
| 2008 | 50,683 | 600,574 | 247,895 | 43,051 | 156,849 | 447,795 | 2,266 |
| 2009 | 49,648 | 626,832 | 228,211 | 41,549 | 129,795 | 399,555 $\pm 69,698$ | $3,904 \pm 3,342$ |
| 2010 | 43,450 | 499,758 | 193,758 | 39,611 | 121,375 | $354,859 \pm 60,571$ | 1,770 $\pm 2,435$ |
| 2011 | 46,619 | 632,712 | 222,405 | 54,294 | 150,786 | $427,484 \pm 66,551$ | $4,327 \pm 2,663$ |
| 2012 | 43,444 | 630,233 | 244,988 | 47,623 | 185,776 | $478,387 \pm 50,294$ | $4,133 \pm 3,536$ |
| 2013 | 43,653 | 563,961 | 225,873 | 49,001 | 155,306 | $430,179 \pm 29,431$ | $2,143 \pm 4,031$ |
| 2014 | 44,019 | 525,114 | 197,997 | 48,216 | 138,615 ${ }^{\text {b }}$ | $384,828 \pm 39,741$ | 4,681 $\pm 3,311$ |

[^14]Table F-7.Rates of duck harvest and hunter activity during the regular duck season (Illinois 1981-2014).

|  |  |  | Duck Harvest Per Hunter $^{\text {a }}$ |  |
| :--- | ---: | ---: | ---: | :---: |
| Season <br> (Year) | Season Length/ <br> Bag Limit | Days Afield Per <br> 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 |
| 2010 | $60 / 6(4,2)$ | 11.50 | 0.71 | 8.17 |
| 2011 | $60 / 6(4,2)$ | 13.57 | 0.68 | 9.17 |
| 2012 | $60 / 6(4,2)$ | 14.51 | 0.76 | 11.01 |
| 2013 | $60 / 6(4,2)$ | 12.92 | 0.76 | 9.85 |
| 2014 | $60 / 6(4,2)$ | 11.93 | 0.73 | 8.74 |
|  |  |  |  |  |

[^15]Table F-8.Number of hunters who participated in the early September Canada goose season (Illinois 1997-2014).

|  | Year | Statewide | Waterfowl Zone |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | North | Central | South Central | South | Unknown |
| Hunters | 1997 | 11,765 | 5,577 | 5,768 | ----- | -- | 420 |
|  | 1998 | 11,981 | 4,837 | 5,915 | ----- | 677 | 552 |
|  | 1999 | 16,945 | 6,005 | 9,869 | ----- | 693 | 378 |
|  | 2000 | 13,289 | 5,410 | 6,908 | ----- | 971 | 0 |
|  | 2001 | 20,359 | 7,318 | 10,807 | ----- | 2,085 | 149 |
|  | 2002 | 12,459 | 4,517 | 6,665 | ----- | 1,135 | 142 |
|  | 2003 | 14,973 | 5,532 | 7,761 | ----- | 1,348 | 332 |
|  | 2004 | 11,170 | 4,250 | 6,220 | ----- | 984 | 0 |
|  | 2005 | 9,448 | 3,949 | 5,034 | ----- | 1,085 | 0 |
|  | 2006 | 12,609 | 4,848 | 6,607 | ----- | 1,154 | 0 |
|  | 2007 | 12,788 | 4,723 | 6,413 | ----- | 1,652 | 0 |
|  | 2008 | 13,157 | 4,934 | 6,690 | ----- | 1,533 | 0 |
|  | 2009 | 15,102 | 5,232 | 8,089 | ----- | 1,781 | 0 |
|  | 2010 | 11,015 | 3,918 | 5,813 | ----- | 1,285 | 0 |
|  | 2011 | 14,214 | 4,625 | 7,889 | ----- | 1,700 | 0 |
|  | 2012 | 11,192 ${ }^{\text {a }}$ | 4,601 | 5,928 | 1,161 | 249 | 0 |
|  | 2013 | 10,865 ${ }^{\text {a }}$ | 3,646 | 6,076 | 681 | 462 | 0 |
|  | 2014 | 12,147 ${ }^{\text {a }}$ | 4,153 | 6,679 | 934 | 554 | 0 |

[^16]Table F-9.Number of Canada geese harvested during the early September Canada goose season (Illinois 19972014).

|  | Year | Statewide | North | Central | South <br> Central | South | Unknown |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Canada Geese | 1997 | 11,443 | 7,621 | 3,774 | ---- | ----- | 48 |
|  | 1998 | 7,852 | 4,184 | 3,046 | ---- | 384 | 238 |
|  | 1999 | 20,223 | 9,124 | 10,491 | ---- | 491 | 117 |
|  | 2000 | 15,897 | 6,191 | 8,774 | ---- | 932 | 0 |
|  | 2001 | 26,021 | 10,979 | 13,170 | ---- | 1,580 | 290 |
|  | 2002 | 21,534 | 8,971 | 11,130 | ---- | 1,433 | 0 |
|  | 2003 | 15,267 | 5,907 | 7,103 | ---- | 2,221 | 36 |
|  | 2004 | 13,587 | 6,319 | 5,915 | ---- | 767 | 0 |
|  | 2005 | 9,896 | 4,862 | 4,047 | ---- | 987 | 0 |
|  | 2006 | 14,578 | 6,771 | 6,717 | ---- | 1,090 | 0 |
|  | 2007 | 16,207 | 6,057 | 8,645 | ---- | 1,505 | 0 |
|  | 2008 | 17,419 | 7,343 | 8,951 | ---- | 1,125 | 0 |
|  | 2009 | 16,212 | 6,101 | 8,336 | ---- | 1,774 | 0 |
|  | 2010 | 17,115 | 7,967 | 7,859 | ---- | 1,289 | 0 |
|  | 2011 | 18,790 | 6,339 | 10,874 | ---- | 1,577 | 0 |
|  | 2012 | 18,028 | 8,557 | 7,664 | 1,599 | 228 | 0 |
|  | 2013 | 15,644 | 5,165 | 9,271 | 523 | 685 | 0 |
|  | 2014 | 19,089 | 7,527 | 9,015 | 1,770 | 777 | 0 |

Table F-10. Number of Days Afield during the early September Canada goose season (Illinois 1997-2014).

|  | Year | Statewide | North | Central | South <br> Central | South | Unknown |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Days Afield | 1997 | 34,988 | 17,991 | 15,890 | ---- | ----- | 1,107 |
|  | 1998 | 37,322 | 15,891 | 18,247 | ---- | 1,880 | 1,304 |
|  | 1999 | 64,881 | 21,795 | 39,768 | ---- | 2,625 | 693 |
|  | 2000 | 47,831 | 17,396 | 27,078 | ---- | 3,357 | 0 |
|  | 2001 | 73,587 | 26,359 | 40,208 | ---- | 6,318 | 702 |
|  | 2002 | 39,485 | 14,303 | 21,049 | ---- | 4,092 | 41 |
|  | 2003 | 51,083 | 18,799 | 26,532 | ---- | 5,422 | 330 |
|  | 2004 | 37,941 | 14,279 | 19,670 | ---- | 2,592 | 0 |
|  | 2005 | 29,143 | 12,184 | 14,352 | ---- | 2,607 | 0 |
|  | 2006 | 42,444 | 16,735 | 22,621 | ---- | 3,088 | 0 |
|  | 2007 | 41,549 | 14,169 | 22,080 | ---- | 5,300 | 0 |
|  | 2008 | 45,637 | 17,305 | 23,174 | ---- | 5,158 | 0 |
|  | 2009 | 51,318 | 19,591 | 26,048 | ---- | 5,678 | 0 |
|  | 2010 | 39,019 | 15,929 | 19,236 | ---- | 3,854 | 0 |
|  | 2011 | 49,306 | 16,832 | 27,441 | ---- | 5,033 | 0 |
|  | 2012 | 39,589 | 17,079 | 18,613 | 3,524 | 373 | 0 |
|  | 2013 | 40,955 | 12,323 | 24,816 | 2,042 | 1,774 | 0 |
|  | 2014 | 44,919 | 16,300 | 23,844 | 3,288 | 1,488 | 0 |

Table F-11.Summary of goose harvest and hunter activity during the regular goose season (Illinois 1981-1982 through 2014-2015).

| Season (Year) | Hunters | Days Afield | Number of Geese |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Canada Geese | Other Geese | Total |
| 1981 | 23,610 | 132,610 | 44,302 (6,312 ${ }^{\text {a }}$ | 3,082 (1,719 ${ }^{\text {a }}$ ) | 47,384 (8,031 ${ }^{\text {a }}$ |
| 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) |
| $1988{ }^{\text {b }}$ | 34,456 | 251,176 | 72,550 (3,871) | 1,832 (350) | 74,382 (4,221) |
| $1989{ }^{\text {b }}$ | 39,459 | 329,369 | 91,379 (2,988) | 1,715 (182) | 93,094 (3,170) |
| $1990^{\text {b }}$ | 40,459 | 346,036 | 67,127 (1,515 ${ }^{\text {a }}$ | 1,319 (97) | 68,446 (1,612) |
| $1991{ }^{\text {b }}$ | 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 ${ }^{\text {c (342) }}$ | 93,665 ${ }^{\text {c }}(1,868)$ |
| 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 $\pm 36,569$ (940) |
| 2010 | 36,803 | 385,432 | 99,422 (534) | 9,594 (46) | 109,016 $\pm 22,523$ (580) |
| 2011 | 36,996 | 411,380 | 75,061(618) | 19,862 (33) | 94,923 $\pm 22,387$ (651) |
| 2012 | 34,034 | 386,356 | 72,682 (0) | 19,597 (0) | 92,280 $\pm 19,570$ (0) |
| 2013 | 33,809 | 391,246 | 104,887 (0) | 15,859 (0) | 120,746 $\pm 12,775$ (0) |
| 2014 | 34,226 | 369,179 | 87,672 (50) | 20,313 (0) | 107,985 $\pm 15,517$ (50) |

[^17]Table F-12.Summary of the number of ducks and geese crippled (Illinois 1981-2014 seasons).

| Season(Year) | Estimated Ducks |  | Estimated Geese |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 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 | 65,856 | 35.5 | 22,730 | 30.6 |
| 1989 | 66,150 | 29.5 | 21,696 | 23.3 |
| $1990^{\text {a }}$ | 59,007 | 29.9 | 23,895 | 34.9 |
| 1991 ${ }^{\text {a }}$ | 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 |
| 2010 | 57,388 | 16.2 | 9,217 | 8.5 |
| 2011 | 64,268 | 15.0 | 6,937 | 7.3 |
| 2012 | 71,054* | 14.9* | 10,452* | 11.3* |
| 2013 | 59,064 | 13.7 | 8,847 | 7.3 |
| 2014 | 51,909 | 13.5 | 7,856 | 7.3 |

${ }^{\text {a }}$ 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.
*Amended from 2012-13 report.


[^0]:    ${ }^{\mathrm{a}}$ 1981-2013 information can be located Appendix H.
    ${ }^{\text {b }}$ 2008-2010 numbers changed to reflect responses in the sample.

[^1]:    ${ }^{\mathrm{a}}$ The number of individual teal hunters in the state is less than the sum of duck hunters from the categories above because some hunted in more than one zone.

[^2]:    ${ }^{\text {a }}$ 1996-2013 information can be located in Appendix H.
    ${ }^{\mathrm{b}}$ Results include youth hunts during the regular season and the 2 day Youth Waterfowl Hunting Days.
    ${ }^{\text {c }}$ Results are a 2 day estimate based on the mean number harvested by youth from the entire season

[^3]:    ${ }^{\text {a }}$ 1981-2013 information can be located in Appendix H.
    ${ }^{\mathrm{b}}$ Includes Canvasback in 2003, 2,100 in 2004, 3,918 in 2005, 5,927 in 2006 and 5,925 in 2007.

[^4]:    *Write-in responses provided by hunters.
    ** Cases selected for those who indicated they hunted for at least one day during the 2014-2015 duck hunting seasons.

[^5]:    ${ }^{\text {a }}$ 1981-2013 information can be located in Appendix H.
    ${ }^{\mathrm{b}}$ Excludes ducks harvested coincidentally while goose hunting.

[^6]:    ${ }^{\mathrm{a}}$ Total is less than 100 due to rounding.

[^7]:    ${ }^{\text {a }}$ 1981-2013 information can be located in Appendix H.

[^8]:    ${ }^{\text {a }} 1=$ Very Dissatisfied, $5=$ Very Satisfied
    *Cases selected for those who hunted $\geq 1$ day for ducks during the 2014-15 regular duck season.

[^9]:    ${ }^{\text {a }} 1=$ Very Dissatisfied, 5= Very Satisfied
    *Cases selected for those who hunted $\geq 1$ day for geese during the 2014-15 regular goose season.

[^10]:    ${ }^{\mathrm{a}}$ The number of combined hunters is less than the sum of duck and goose hunters from the zones above because some hunted in more than one zone for multiple species.

[^11]:    ${ }^{\text {a }} 2008$-2010 numbers changed to reflect responses in the sample.

[^12]:    ${ }^{\text {a }}$ The September Teal season was suspended by the U.S. Fish and Wildlife Service during these years.

[^13]:    ${ }^{\text {a }}$ September Teal season was suspended by the U.S. Fish and Wildlife Service during these years.

[^14]:    ${ }^{\text {a }}$ 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.
    ${ }^{\mathrm{b}}$ Numbers in parentheses represent harvest of Canvasback.

[^15]:    ${ }^{\text {a }}$ Excludes ducks harvested coincidentally while goose hunting.
    ${ }^{\mathrm{b}}$ 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.

[^16]:    ${ }^{\mathrm{a}}$ Less than the sum of hunters in individual zones because some hunters hunter more than 1 zone.

[^17]:    ${ }^{\text {a }}$ Number of geese harvested while duck hunting.
    ${ }^{\mathrm{b}}$ 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 (Anderson and Williamson 1994).
    ${ }^{\text {c }}$ Reduced by 23,151 from estimate given in 2002 report to exclude Conservation Order snow goose harvest.

