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Migratory bird hunting activity and harvest during the 2005 and 2006 hunting seasons: Preliminary Estimates

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Richkus, Kenneth D.; Moore, Mary T.; Padding, Paul I.; Williams, Sheri S.; Spriggs, Howard L.; and Martin, Elwood, "Migratory bird hunting activity and harvest during the 2005 and 2006 hunting seasons: Preliminary Estimates" (2007). *US Fish & Wildlife Publications*. 355.

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Preliminary Estimates

July 2007



Kenneth D. Richkus, Mary T. Moore, Paul I. Padding, Sheri S. Williams, Howard L. Spriggs, and Elwood M. Martin

**Division of Migratory Bird Management
Branch of Harvest Information
Laurel, Maryland**

The primary purpose of this report is to facilitate the prompt distribution of timely information. Results are preliminary and may change with the inclusion of additional data.

This report should be cited as: U.S. Fish and Wildlife Service. 2007. Migratory bird hunting activity and harvest during the 2005 and 2006 hunting seasons: Preliminary estimates. U.S. Department of the Interior, Washington, D.C. U.S.A.

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Photo courtesy of Fred Greenslade, Delta Waterfowl Foundation

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Abstract: National surveys of waterfowl, dove, band-tailed pigeon (*Columba fasciata*), American woodcock (*Scolopax minor*), common snipe (*Gallinago gallinago*), rail, gallinule, and American coot (*Fulica americana*) hunters were conducted during the 2005 and 2006 migratory bird hunting seasons. About 1.2 million waterfowl hunters harvested 12,510,800 ($\pm 4\%$) ducks and 3,660,700 ($\pm 4\%$) geese in 2005, and harvested 13,808,100 ($\pm 4\%$) ducks and 3,579,100 ($\pm 5\%$) geese in 2006. Mallard (*Anas platyrhynchos*), green-winged teal (*A. crecca*), gadwall (*A. strepera*), wood duck (*Aix sponsa*), and blue-winged teal (*A. discors*) were the most-harvested duck species, and Canada goose (*Branta canadensis*) was the predominant goose species in the harvest. About 1.1 million dove hunters harvested 22,149,900 ($\pm 5\%$) mourning doves (*Zenaida macroura*) in 2005 and 19,272,400 ($\pm 5\%$) in 2006. Woodcock hunters numbered about 120,000 in 2005 and 121,000 in 2006, and they harvested 297,200 ($\pm 15\%$) birds in 2005 and 311,800 ($\pm 14\%$) in 2006. Among the lesser-hunted species, about 27,900 people hunted snipe in 2005 (19,800 in 2006), and they harvested 120,700 ($\pm 31\%$) and 76,700 ($\pm 24\%$) snipe in 2005 and 2006, respectively; about 9,500 rail hunters harvested 53,600 ($\pm 62\%$) rails in 2005 and 8,600 rail hunters harvest 28,500 ($\pm 39\%$) rails in 2006; gallinule hunters (about 8,000 in 2005 and 5,100 in 2006) harvested 30,600 ($\pm 68\%$) gallinules in 2005 and 13,700 ($\pm 57\%$) in 2006; and coot hunters (about 28,300 in 2005 and 39,800 in 2002) harvested 181,300 ($\pm 40\%$) coots in 2005 and 199,100 ($\pm 29\%$) in 2006.

Introduction

Since the 1952-53 hunting season, the U.S. Fish and Wildlife Service (FWS) has conducted a survey of Federal Duck Stamp purchasers to estimate waterfowl hunter activity and harvest in the United States. That survey was conducted annually through the 2001-02 hunting season, after which it was replaced by a new migratory game bird harvest survey system. In 1992, the FWS and State Fish and Wildlife Agencies (States) established the Migratory Bird Harvest Information Program (HIP), which was fully operational nationwide by 1999 (Elden et al. 2002). This cooperative State-Federal program requires licensed migratory game bird hunters to register annually in each state in which they hunt. Each State is responsible for collecting the name, address, and date of birth from each migratory bird hunter, asking each of them a series of general screening questions about their his/her hunting success the previous year, and sending all of this information to the FWS. The States are also responsible for providing the migratory bird hunters with proof of compliance to carry while they are hunting. The FWS is responsible for using these data to conduct annual national migratory game bird hunter activity and harvest surveys.

This report presents hunter activity and harvest estimates from the HIP surveys for the 2005-06 and 2006-07 hunting seasons. These estimates are preliminary, pending (1) final counts of the number of HIP registrants in each state each season, and (2) complete audits of all survey response data.

HIP Survey Design and Methods

Sample Frame. The HIP sample frame consisted of people who identified themselves as potential migratory game bird hunters when they purchased State hunting licenses. The States

forwarded the sample frame data to the FWS either weekly or twice a month, starting in July and continuing through the end of their migratory bird hunting seasons. People who hunted migratory birds in more than one state had to comply with the HIP requirement in each state in which they hunted. Thus, the sample frame was specific to each state.

Stratification and Sample Selection. States asked each migratory bird hunter a series of short screening questions about the species they hunted and their hunting success the previous year. The list of species/species groups involved (dependent on seasons in each state) included ducks, sea ducks, geese, brant, doves, band-tailed pigeons, woodcock, coots and/or snipe, rails and/or gallinules and sandhill cranes (only in Alaska). The FWS used this prior year information as a predictor of their current year hunting activity and success to assign each hunter to a success/activity stratum for each of the 10 species/species groups based on his/her answers to the screening questions. From each State list the FWS selected stratified samples for each species/species group, sampling the small group of active/very successful hunters at a high rate, the larger group of less successful hunters at a lower rate, and the very large group of hunters who rarely if ever hunt the species/species group at a very low rate. The FWS conducted 5 separate harvest surveys to estimate hunter activity and harvest of: (1) waterfowl (ducks, sea ducks, geese and brant), (2) doves and band-tailed pigeons, (3) woodcock, (4) snipe, rails, gallinules and coots, and (5) sandhill cranes in Alaska.

Survey Methodology. Contact before or early in the hunting season, and a daily hunting diary format were used in an effort to reduce memory and prestige bias, both of which result in overestimation (Atwood 1956). Hunters selected for the surveys were asked to record the date of each hunt, the state and county where they hunted, and how many birds of various species/species groups they personally bagged that day. As a check on recording and for hunters who forgot to record their daily hunting information throughout the season, or did not receive the form until after the hunting season began, space was provided on the form to record season totals. Hunter response was voluntary.

Soon after the initial batch of names and addresses was received from a State, stratified samples were selected according to predetermined sampling rates. All surveys were conducted using Dillman's Total Design Method for mail surveys (Dillman 1978, Dillman 1991) to maximize survey response and ensure quality and timely responses. A survey packet including a cover letter and a survey form for recording daily hunting activity was sent to each selected hunter within one to two weeks after his/her name was received. The sample selection and initial mailing process continued with each subsequent batch of names and addresses (roughly twice per month), with the last initial mailing occurring on or shortly after the date the season closed in the state. Postcards were sent at the close of the season reminding sampled hunters to return their completed survey forms and thanking them for their help. About 3 weeks after this mailing, a follow-up packet with an additional form was sent to each hunter who had not yet responded. Finally, 3-4 weeks later, an additional follow-up packet was sent to the remaining non-respondents.

Analysis. Standard analyses for stratified samples (Cochran 1977, Steele and Torrie (1980) were used to obtain estimates of harvest and hunter activity for each state and species/species group combination. The proportion of respondents who hunted (active hunters), their average days

hunted and their average seasonal harvest were calculated and the corresponding totals estimated (active hunters, days hunted, birds bagged) at the state level. Variance estimates for these parameters were also calculated and converted to 95% confidence intervals. The number of days afield and the number of birds harvested were also estimated at the management unit and national levels, along with their corresponding 95% confidence intervals. However, the total number of active hunters (and any averages per active hunter) could not be estimated at the management unit or national levels because some people hunted migratory birds in more than one state. Thus, simply adding the number of active hunters in each state would have overestimated the total number of active hunters.

Parts Collection Surveys

The FWS has conducted a cooperative Waterfowl Parts Survey annually to estimate the species, age and sex composition of the duck harvest since 1961 and the species and age composition of the goose harvest since 1962. Hunters who agreed to participate in this survey were provided with large, postage-paid “wing envelopes” and were asked to send us a wing from each duck, brant and coot they shot and the tail feathers and primary feather tips from each goose they shot throughout the hunting season. They were also asked to report the state, county and date of harvest for each specimen they submitted. After the waterfowl hunting seasons ended, FWS and State biologists examined the specimens to determine the species, age and sex of the birds.

Species composition estimates derived from the Waterfowl Parts Survey were combined with harvest estimates from the HIP waterfowl survey to calculate species-specific duck and goose harvest estimates. Similarly, date information provided by Waterfowl Parts Survey participants was combined with HIP survey results to estimate special September season duck and goose harvests. Estimates of the number of immatures per adult in the harvest (age ratio), and the number of males per female (sex ratio) were calculated for each species and state. Because sampling intensity varied among states, state ratios were weighted by harvest estimates from the HIP waterfowl survey to obtain flyway and U.S. ratios.

The FWS has also conducted a Woodcock Wing Survey annually since 1977, primarily to estimate the age and sex composition of the woodcock harvest. Age and sex ratio estimates obtained from the woodcock wings collected in 2004 and 2005 were reported in, “American woodcock population status, 2007” (Kelley et al., 2007, U.S. Fish and Wildlife Service). This survey was expanded in 1997 to include rail wings to determine the species composition of the rail harvest, and band-tailed pigeon wings to obtain age ratio estimates.

Survey Results

Waterfowl Hunter Activity and Harvest (Tables 1-7, Figures 1-3). HIP waterfowl harvest survey sample sizes and response rates were 69,268 hunters and 58% for the 2005-06 survey, and 78,334 hunters and a 55% for the 2006-07 survey. Species-specific estimates for ducks and geese (Table 1A-E) are presented by flyway. We were unable to split the estimates for Colorado, Montana, New Mexico, and Wyoming into their Central and Pacific Flyway portions for this report, so we arbitrarily assigned all of Colorado, New Mexico, and Wyoming to the Central Flyway and all of Montana to the Pacific Flyway. However, the Waterfowl Parts Collection

Survey enabled us to provide Flyway-specific point estimates of duck and goose harvest for those four states; those point estimates are shown in Table 2.

Sea duck hunter activity and harvest was estimated separately from other ducks for states that had special sea duck seasons and/or regulations (Table 3). Likewise, brant hunter activity and harvest along the Atlantic and Pacific coasts was estimated separately and reported in Table 4. Sea duck and brant harvest estimates are also shown in the species-specific waterfowl estimates in Table 1, but the estimates of sea ducks and brant days afield and active hunters shown in Tables 3 and 4 are not included in the estimates duck and goose days afield, and active duck and goose hunters that are shown in Table 1.

Estimates for special September duck seasons are given in Table 5, and Table 6 shows estimates of Canada goose harvest during special resident goose seasons compared to regular season harvest. Table 7 summarizes the waterfowl harvest in Canada; those data were provided by the Canadian Wildlife Service, which conducts annual surveys similar to those conducted in the U.S.

Long-term trends duck harvest, and goose harvest since 1961 are shown in Figures 1-2. The curves are locally weighted regression (lowess) lines (Cleveland and Devlin, 1988, J. Am. Stat. Assoc.) that fit a pattern to the majority of the estimates and identify points that deviate from that pattern. These figures show one lowess line and point estimates for the Federal Duck Stamp-based survey's estimates from 1961-2001 and a separate lowess line and point estimates for the HIP survey estimates for 1999-2006.

Waterfowl Age and Sex Ratios (Tables 8-12, Figures 3-6). The 2005-06 Waterfowl Parts Survey collected 85,185 duck wings and 23,834 goose tails and primary tips, whereas the 2006-07 sample consisted of 86,233 duck wings and 20,767 goose tails and primary wing tips. State-specific mallard age ratios and flyway-level age ratios for other ducks species are reported in Tables 8 and 9, respectively, followed by state-specific mallard sex ratios (Table 10) and flyway-level sex ratios for other duck species (Table 11). Table 12 gives age ratios for geese. Figures 3-6 show the long-term trends in age ratios of mallards (Figure 3), northern pintails (Figure 4), American black ducks and wood ducks (Figure 5) and lesser scaup (Figure 6).

Dove and Band-tailed Pigeon Hunter Activity and Harvest (Tables 13-15). The dove and band-tailed pigeon estimates were based on samples of 44,460 hunters in 2005-06 (60% response rate) and 46,118 hunters in 2006-07 (60% response rate). Estimated numbers of active hunters, days afield, harvest and birds harvested per hunter are given in Table 13 for mourning doves, Table 14 for white-winged doves and Table 15 for band-tailed pigeons.

Woodcock Hunter Activity and Harvest (Table 16). Results of the HIP woodcock harvest survey are presented in Table 16. The 2005-06 survey had a sample size of 19,208 hunters and a 65% response rate, and the 2006-07 survey sample size and response rate were 23,903 hunters and 63%.

Snipe, Rail, Gallinule and Coot Hunter Activity and Harvest (Tables 17-21). The sample for the 2005-06 snipe, rail, gallinule and coot harvest survey was 20,604 hunters (61% response rate) and 25,002 hunters (59% response rate) for the 2006-07 survey. Tables 17-20 give the estimates

for common snipe (Table 17), rails (Table 18; all species combined), gallinules (Table 19) and American coot (Table 20).

We believe that the number of rail wings collected each year is too low to provide reliable annual species composition estimates, even at the flyway and national levels. Therefore, we used 5-year running averages to obtain species-specific rail harvest estimates (Table 21). The 2005-06 estimates are based on the species composition of 1,602 rail wings collected from 2001-2005, and the 2006-07 estimates are based on 1,730 rail wings collected from 2002-2006.

Alaska Sandhill Crane Hunter Activity and Harvest Estimates. The estimates presented below were derived from surveys of 187 (2005-06, 79% response rate) and 380 (2006-07, 71% response rate) Alaska migratory bird hunters. For Alaska's 2005 season, we estimated that 1,600 active sandhill crane hunters spent 6,000 days hunting cranes and harvested 700 birds. In 2006, an estimated 1,000 active hunters spent 3,400 days hunting cranes and harvested 400 birds.

Mid-continent sandhill crane hunting activity and harvest in the Central Flyway states are estimated in a separate annual survey. Results of that survey for the 2005 and 2006 seasons were reported in, "Status and harvests of sandhill cranes: Mid-continent and Rocky Mountain populations" (Sharp et al., 2007, U.S. Fish and Wildlife Service).

Acknowledgments

The Harvest Surveys Section's survey clerks (Ellen Griffin-Pollard, Robert Mack, and Pamela Mathias), mail clerk (Joe Duncan), biological technicians (Amy Croft, Lyle Hancock, and Paul Walfoort), and secretary (Susane Finucane) were major contributors to this project.

The HIP surveys could not be conducted without the close cooperation of participating States, and we appreciate the efforts of all State personnel who were involved with the HIP at various levels. We particularly appreciate the cooperation of the following individuals who were responsible for getting the HIP sample frame for their State to the FWS:

Stacey Norris and Julie Perry, Alabama Department of Conservation and Natural Resources
Louise Anderson and Devin Lando, Alaska Department of Fish and Game
Amber Munig, Arizona Game and Fish Department
Alice Browning, Arkansas Game and Fish Commission
Amanda Palacios and Kim Shepherd, California Department of Fish and Game
Lyn Stevens, Colorado Division of Wildlife
Min Huang, Connecticut Department of Environmental Protection
Carla Cassell-Carter, Delaware Department of Natural Resources and Environmental Control
Susan Weaver, Florida Fish and Wildlife Conservation Commission
James Eager, Georgia Department of Natural Resources
Craig Weidmeier and Gary Rasco, Idaho Department of Fish and Game
Don Newton, Illinois Department of Natural Resources
John Olson, Indiana Department of Natural Resources
Steve Weaver, Iowa Department of Natural Resources
Vicki Shanley, Kansas Department of Wildlife and Parks

Sherry Kefauver and Jeff Kays, Kentucky Department of Fish and Wildlife Resources
 Janis Landry, Louisiana Department of Wildlife and Fisheries
 Bill Swan, Maine Department of Inland Fisheries and Wildlife
 Brent Evans, Maryland Department of Natural Resources
 Rick Kennedy, Massachusetts Division of Fisheries and Wildlife
 Lisa Jackson, Michigan Department of Natural Resources
 Margaret Dexter, Minnesota Department of Natural Resources
 Patrick Welch and Curtis Thornhill, Mississippi Department of Wildlife, Fisheries and Parks
 Tom Kulowiec, Missouri Department of Conservation
 Kevin Kauska and Barry Beardslee, Montana Department of Fish, Wildlife and Parks
 Kit Hams, Nebraska Game and Parks Commission
 Donald Sefton and Janice Smith, Nevada Department of Wildlife
 Bryan Murray, New Hampshire Fish and Game Department
 Verna Gengler and Paul Castelli, New Jersey Division of Fish and Wildlife
 Tim Mitchusson, New Mexico Department of Game and Fish
 Art Jacobsen, New York Department of Environmental Conservation
 Bobby Dunn, North Carolina Wildlife Resources Commission
 Jerry Gulke, North Dakota Game and Fish Department
 Cheryl Allen and Jeff Rowley, Ohio Department of Natural Resources
 Mike Liddiard and Rodney Derrick, Oklahoma Department of Wildlife Conservation
 Valerie Finger, Oregon Department of Fish and Wildlife
 Valerie Kazakavage and Terry Heckrote, Pennsylvania Game Commission
 Margaret McGrath, Rhode Island Division of Fish and Wildlife Resources
 Phoebe Carter and Sandra Hartly, South Carolina Department of Natural Resources
 Corey Huxoll, South Dakota Game, Fish and Parks Department
 Gary Clouse, Tennessee Wildlife Resources Agency
 Kevin Kraii, Texas Parks and Wildlife Department
 Tom Aldrich, Utah Division of Wildlife Resources
 Tom Merrifield, Vermont Fish and Wildlife Department
 Bob Ellis, Virginia Department of Game and Inland Fisheries
 Wan-ying Chang and Don Kraage, Washington Department of Wildlife
 Joyce Newcomer and Larry Rucker, West Virginia Department of Natural Resources
 Brian Dhuey, Wisconsin Department of Natural Resources
 Tom Graham and Jerome Espinoza, Wyoming Game and Fish Department

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Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Connecticut		Delaware		Florida	
	2005	2006	2005	2006	2005	2006
Mallard	13,857	10,056	18,501	13,679	822	1,660
Domestic Mallard	50	85	265	406	352	266
Black Duck	3,615	2,970	5,438	6,298	0	0
Mallard x Black Duck Hybrid	301	424	995	339	235	66
Mottled Duck	0	0	0	0	10,504	13,146
Gadwall	251	0	3,581	880	2,054	398
Wigeon	100	170	1,326	1,761	4,225	2,921
Green-winged Teal	1,054	849	4,907	9,480	16,725	21,778
Blue-winged/Cinnamon Teal	0	0	133	271	46,653	47,606
Northern Shoveler	0	0	1,326	1,151	8,098	5,710
Northern Pintail	100	170	1,592	1,896	5,516	2,988
Wood Duck	2,460	2,461	1,525	2,776	8,157	9,561
Redhead	0	0	66	68	2,582	266
Canvasback	0	0	66	0	411	199
Greater Scaup	201	0	66	0	235	332
Lesser Scaup	50	0	597	474	9,272	6,905
Ring-necked Duck	351	170	1,326	1,219	50,937	45,149
Goldeneyes	402	127	0	0	59	0
Bufflehead	502	933	862	880	763	465
Ruddy Duck	0	0	265	135	1,291	465
Long-tailed Duck	400	54	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	1,300	246	900	1,000	0	0
Hooded Merganser	50	382	398	880	2,993	863
Other Mergansers	954	1,103	398	406	117	0
Other Ducks	0	0	66	0	2,699	2,855
Total Duck Harvest	26,000±26%	20,200±32%	44,600±19%	44,000±32%	174,700±23%	163,600±19%
Total Active Duck Hunters ^a	3,000±15%	3,000±17%	4,500±13%	4,100±13%	11,200±20%	12,500±21%
Total Duck Hunter Days Afield ^b	20,700±22%	19,100±25%	33,000±17%	28,100±15%	73,400±22%	66,800±21%
Seasonal Duck Harvest Per Hunter	8.6±30%	6.8±36%	10.0±23%	10.6±19%	15.6±31%	13.1±28%
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Goose Species Composition						
Canada Goose	20,900	13,971	19,029	12,816	0	2,800
Snow Goose	0	29	6,508	6,907	0	0
Blue Goose	0	0	0	77	0	0
Ross's Goose	0	0	0	0	0	0
White-fronted Goose	0	0	0	0	0	0
Brant	700	0	1,500	800	0	0
Other Geese	0	0	62	0	0	0
Total Goose Harvest	21,600±27%	14,000±25%	27,100±19%	20,600±17%	0	2,800±159%
Total Active Goose Hunters ^b	2,900±16%	2,400±18%	4,300±13%	3,600±13%	100±195%	400±113%
Total Goose Hunter Days Afield ^b	17,000±18%	14,300±22%	25,900±17%	22,200±14%	300±195%	800±138%
Seasonal Goose Harvest Per Hunter	7.5±31%	5.8±31%	6.3±23%	5.7±21%	0	6.7±195%
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Active Waterfowl Hunters	4,100±12%	3,900±14%	5,500±10%	5,200±10%	11,200±20%	12,500±21%
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Sample Sizes						
Duck Wings	501	497	661	641	2,977	2,464
Goose Tails	626	523	422	272	1	2

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Georgia		Maine		Maryland	
	2005	2006	2005	2006	2005	2006
Mallard	5,015	6,594	16,855	12,231	50,749	54,254
Domestic Mallard	0	0	70	63	2,143	1,547
Black Duck	251	0	7,623	5,387	11,401	14,039
Mallard x Black Duck Hybrid	0	200	979	127	1,886	1,547
Mottled Duck	0	200	0	0	0	0
Gadwall	2,759	2,398	70	0	2,829	3,688
Wigeon	0	1,199	70	127	2,400	3,926
Green-winged Teal	4,263	9,592	3,077	4,309	13,373	12,017
Blue-winged/Cinnamon Teal	3,762	8,193	909	317	1,886	1,785
Northern Shoveler	502	0	140	0	600	238
Northern Pintail	0	200	350	127	1,372	1,547
Wood Duck	65,452	54,754	6,224	5,577	10,630	10,827
Redhead	1,755	0	0	0	429	0
Canvasback	752	0	0	0	1,886	119
Greater Scaup	0	400	0	190	6,086	1,904
Lesser Scaup	1,003	1,199	0	190	9,773	9,756
Ring-necked Duck	8,025	23,580	699	1,331	686	833
Goldeneyes	0	0	3,777	2,091	2,143	952
Bufflehead	1,254	1,199	1,609	760	9,001	14,277
Ruddy Duck	502	2,198	0	127	772	952
Long-tailed Duck	0	0	690	1,779	5,228	8,512
Eiders	0	0	10,842	18,133	0	0
Scoters	0	0	2,168	2,288	15,173	18,988
Hooded Merganser	2,006	7,394	629	1,394	1,372	1,785
Other Mergansers	0	200	1,818	2,852	686	1,309
Other Ducks	0	0	0	0	0	0
Total Duck Harvest	97,300±32%	119,500±34%	58,600±43%	59,400±21%	152,501±14%	164,799±14%
Total Active Duck Hunters ^a	12,300±30%	13,000±22%	6,200±23%	6,400±17%	17,900±10%	18,200±9%
Total Duck Hunter Days Afield ^a	77,000±37%	76,300±29%	26,700±31%	28,500±17%	100,500±13%	100,300±14%
Seasonal Duck Harvest Per Hunter	7.9±44%	9.2±40%	9.4±49%	9.2±27%	8.5±17%	9.1±17%
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Goose Species Composition						
Canada Goose	35,100	14,900	7,826	9,800	170,034	152,686
Snow Goose	0	0	87	0	5,766	1,814
Blue Goose	0	0	0	0	0	0
Ross's Goose	0	0	0	0	0	0
White-fronted Goose	0	0	87	0	0	0
Brant	0	0	0	0	1,700	2,300
Other Geese	0	0	0	0	0	0
Total Goose Harvest	35,100±54%	14,900±42%	8,000±42%	9,800±41%	177,500±11%	156,800±12%
Total Active Goose Hunters ^b	8,500±29%	6,200±31%	3,400±31%	4,000±21%	25,600±7%	23,400±7%
Total Goose Hunter Days Afield ^b	46,500±42%	14,400±34%	15,100±41%	16,800±44%	143,900±10%	135,500±12%
Seasonal Goose Harvest Per Hunter	4.1±62%	2.4±52%	2.3±52%	2.5±46%	6.9±13%	6.7±14%
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Active Waterfowl Hunters	13,600±28%	13,500±22%	7,000±22%	7,400±16%	30,600±6%	31,200±5%
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Duck Wings	388	598	920	849	1,701	1,238
Goose Tails	52	89	92	133	1,622	1,032

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Massachusetts		New Hampshire		New Jersey	
	2005	2006	2005	2006	2005	2006
Mallard	10,717	10,291	5,934	6,212	20,143	15,824
Domestic Mallard	66	73	63	0	441	271
Black Duck	3,119	4,671	1,601	1,882	10,982	12,085
Mallard x Black Duck Hybrid	332	365	283	329	1,214	434
Mottled Duck	0	0	0	0	0	0
Gadwall	33	36	0	0	607	108
Wigeon	66	109	31	94	828	325
Green-winged Teal	1,095	2,482	1,162	1,176	5,408	7,533
Blue-winged/Cinnamon Teal	66	0	94	94	331	0
Northern Shoveler	0	0	0	0	331	217
Northern Pintail	199	146	0	94	883	488
Wood Duck	2,887	4,124	3,359	6,259	4,194	3,902
Redhead	0	0	0	0	166	0
Canvasback	0	0	0	0	0	0
Greater Scaup	33	0	0	47	2,097	759
Lesser Scaup	0	73	0	94	1,324	596
Ring-necked Duck	332	255	220	988	331	163
Goldeneyes	133	73	94	47	0	54
Bufflehead	1,194	1,314	220	141	8,774	8,237
Ruddy Duck	33	36	31	0	331	271
Long-tailed Duck	296	477	0	0	1,330	623
Eiders	8,301	5,386	185	0	0	0
Scoters	3,202	3,337	615	1,000	2,470	1,077
Hooded Merganser	332	438	157	518	1,656	2,384
Other Mergansers	863	912	251	424	1,104	1,951
Other Ducks	0	0	0	0	55	0
Total Duck Harvest	33,300±24%	34,600±29%	14,300±13%	19,400±18%	65,000±14%	57,300±17%
Total Active Duck Hunters ^a	3,300±11%	3,800±11%	2,300±13%	2,800±16%	6,600±7%	5,700±9%
Total Duck Hunter Days Afield ^a	20,200±17%	22,400±14%	14,400±13%	20,100±21%	42,800±11%	39,400±14%
Seasonal Duck Harvest Per Hunter	9.9±26%	9.1±31%	6.1±18%	7.0±24%	9.8±16%	10.1±20%
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Goose Species Composition						
Canada Goose	12,649	13,080	5,300	6,714	24,183	27,520
Snow Goose	17	21	0	43	3,717	4,896
Blue Goose	0	0	0	43	0	84
Ross's Goose	0	0	0	0	0	0
White-fronted Goose	0	0	0	0	0	0
Brant	500	400	0	0	8,300	5,200
Other Geese	34	0	0	0	0	0
Total Goose Harvest	13,200±22%	13,500±21%	5,300±21%	6,800±22%	36,200±16%	37,700±25%
Total Active Goose Hunters ^b	2,300±14%	2,400±13%	1,900±13%	2,200±17%	4,000±10%	3,700±13%
Total Goose Hunter Days Afield ^b	14,000±20%	14,100±17%	12,600±21%	16,400±22%	20,500±13%	21,600±23%
Seasonal Goose Harvest Per Hunter	5.8±26%	5.5±25%	2.8±25%	3.1±27%	9.0±19%	10.2±28%
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Active Waterfowl Hunters	4,400±9%	4,900±8%	2,600±12%	3,200±16%	7,700±6%	6,500±8%
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Sample Sizes						
Duck Wings	847	889	443	396	1,169	1,056
Goose Tails	780	641	186	159	703	516

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	New York		North Carolina		Pennsylvania	
	2005	2006	2005	2006	2005	2006
Mallard	79,593	83,448	63,049	32,467	66,496	65,495
Domestic Mallard	704	738	1,588	637	891	976
Black Duck	23,714	20,973	4,309	5,517	7,125	8,024
Mallard x Black Duck Hybrid	2,426	1,699	1,588	424	198	1,084
Mottled Duck	0	0	0	0	0	0
Gadwall	2,113	2,215	11,113	8,700	2,573	2,386
Wigeon	2,896	6,572	4,082	16,976	1,682	1,843
Green-winged Teal	11,583	14,327	25,401	28,647	6,135	6,398
Blue-winged/Cinnamon Teal	2,035	443	3,175	2,334	1,880	325
Northern Shoveler	1,017	369	3,856	1,698	198	217
Northern Pintail	2,191	2,954	3,856	7,639	396	217
Wood Duck	21,444	16,468	66,678	73,422	28,597	21,579
Redhead	1,800	665	907	849	891	108
Canvasback	313	148	227	212	0	0
Greater Scaup	2,896	3,766	3,402	1,061	2,078	542
Lesser Scaup	2,348	3,397	27,896	16,340	2,672	651
Ring-necked Duck	3,365	4,579	17,236	22,493	1,781	3,145
Goldeneyes	8,531	6,277	0	0	792	1,518
Bufflehead	9,079	7,606	9,979	7,851	2,078	4,663
Ruddy Duck	391	74	6,577	1,698	792	217
Long-tailed Duck	4,638	5,531	227	212	99	0
Eiders	497	357	0	0	0	0
Scoters	3,065	3,212	4,309	3,820	99	0
Hooded Merganser	2,974	2,068	8,618	4,881	2,474	2,494
Other Mergansers	5,009	3,914	3,629	1,910	2,276	1,518
Other Ducks	78	0	0	212	99	0
Total Duck Harvest	194,700±10%	191,800±10%	271,700±22%	240,000±17%	132,300±14%	123,400±19%
Total Active Duck Hunters ^a	21,500±5%	20,600±6%	24,800±17%	21,900±14%	28,600±13%	25,200±15%
Total Duck Hunter Days Afield ^a	134,700±9%	128,600±8%	155,300±18%	149,400±17%	128,600±12%	126,000±18%
Seasonal Duck Harvest Per Hunter	9.1±11%	9.3±11%	10.9±28%	11.0±21%	4.6±19%	4.9±24%
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Goose Species Composition						
Canada Goose	119,980	113,856	73,200	43,300	180,943	160,553
Snow Goose	8,821	6,799	1,800	0	8,249	11,178
Blue Goose	0	164	600	0	109	169
Ross's Goose	0	82	0	0	0	0
White-fronted Goose	0	0	0	0	0	0
Brant	4,700	3,400	6,200	3,600	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	133,500±10%	124,300±11%	81,800±29%	46,900±23%	189,300±13%	171,900±16%
Total Active Goose Hunters ^b	17,500±6%	17,200±6%	19,800±18%	15,200±17%	37,000±10%	34,100±12%
Total Goose Hunter Days Afield ^b	104,400±9%	95,400±8%	81,700±27%	51,400±23%	189,800±11%	168,300±15%
Seasonal Goose Harvest Per Hunter	7.6±11%	7.2±13%	4.1±34%	3.1±28%	5.1±17%	5.0±20%
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Active Waterfowl Hunters	25,800±4%	24,800±5%	27,700±16%	24,500±13%	47,900±10%	41,800±12%
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Sample Sizes						
Duck Wings	2,482	2,525	1,198	1,131	1,337	1,138
Goose Tails	1,730	1,539	128	182	1,744	1,015

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Rhode Island		South Carolina		Vermont	
	2005	2006	2005	2006	2005	2006
Mallard	2,155	2,135	24,817	35,874	10,689	7,987
Domestic Mallard	33	0	2,345	1,135	0	0
Black Duck	1,459	1,466	977	1,135	2,319	1,473
Mallard x Black Duck Hybrid	199	96	1,563	681	181	255
Mottled Duck	0	0	195	454	0	0
Gadwall	298	64	782	5,222	109	57
Wigeon	265	478	586	1,816	254	57
Green-winged Teal	133	223	15,438	21,116	2,718	3,286
Blue-winged/Cinnamon Teal	0	0	14,265	8,174	652	227
Northern Shoveler	0	0	1,759	2,043	145	28
Northern Pintail	0	32	195	1,135	145	170
Wood Duck	265	223	78,751	101,945	3,805	3,824
Redhead	33	0	195	0	0	28
Canvasback	0	0	0	0	0	0
Greater Scaup	66	0	195	0	181	57
Lesser Scaup	66	64	1,954	1,135	362	340
Ring-necked Duck	33	96	12,702	30,652	725	312
Goldeneyes	133	0	0	0	1,920	595
Bufflehead	398	191	1,954	1,589	181	283
Ruddy Duck	0	0	195	0	217	28
Long-tailed Duck	0	0	195	0	254	28
Eiders	3,069	1,600	0	0	0	0
Scoters	1,631	1,100	782	0	254	113
Hooded Merganser	298	382	6,253	6,357	109	198
Other Mergansers	464	351	0	681	181	255
Other Ducks	0	0	0	454	0	0
Total Duck Harvest	11,000±24%	8,500±51%	166,100±17%	221,600±22%	25,400±16%	19,600±20%
Total Active Duck Hunters ^a	1,000±20%	500±44%	19,400±16%	19,900±16%	2,400±25%	2,000±15%
Total Duck Hunter Days Afield ^a	6,000±21%	4,500±54%	111,000±16%	128,800±24%	20,200±41%	13,800±14%
Seasonal Duck Harvest Per Hunter	11.3±31%	17.6±67%	8.5±23%	11.1±27%	10.6±30%	9.9±25%
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Goose Species Composition						
Canada Goose	3,086	5,300	27,600	27,100	9,341	7,750
Snow Goose	14	0	0	0	359	50
Blue Goose	0	0	0	0	0	0
Ross's Goose	0	0	0	0	0	0
White-fronted Goose	0	0	0	0	0	0
Brant	700	400	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	3,800±23%	5,700±52%	27,600±37%	27,100±32%	9,700±30%	7,800±23%
Total Active Goose Hunters ^b	900±22%	600±50%	8,000±22%	8,700±20%	2,200±24%	1,800±20%
Total Goose Hunter Days Afield ^b	4,700±25%	4,500±39%	32,900±35%	41,200±29%	13,300±46%	8,200±21%
Seasonal Goose Harvest Per Hunter	4.4±31%	10.0±72%	3.4±43%	3.1±38%	4.4±38%	4.4±30%
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Active Waterfowl Hunters	1,400±15%	1,000±34%	19,800±16%	21,500±16%	3,300±24%	2,400±15%
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Sample Sizes						
Duck Wings	311	236	850	976	701	692
Goose Tails	248	187	44	116	324	310

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Virginia		West Virginia		Flyway Total	
	2005	2006	2005	2006	2005	2006
Mallard	53,538	39,942	1,374	1,502	444,305	399,651
Domestic Mallard	545	824	0	22	9,557	7,044
Black Duck	9,260	7,237	214	199	93,406	93,356
Mallard x Black Duck Hybrid	1,245	641	31	44	13,655	8,755
Mottled Duck	0	0	0	0	10,700	13,800
Gadwall	5,136	7,054	31	44	34,337	33,252
Wigeon	2,023	1,557	31	66	20,867	39,999
Green-winged Teal	8,171	11,268	31	133	120,672	154,612
Blue-winged/Cinnamon Teal	1,245	733	61	88	77,147	70,590
Northern Shoveler	700	824	0	0	18,672	12,496
Northern Pintail	545	458	0	22	17,339	20,282
Wood Duck	16,886	13,467	2,168	1,480	323,482	332,648
Redhead	467	0	0	0	9,291	1,984
Canvasback	778	550	0	0	4,433	1,228
Greater Scaup	700	1,466	0	0	18,237	10,523
Lesser Scaup	6,381	5,405	0	0	63,698	46,619
Ring-necked Duck	10,272	9,527	0	0	109,021	144,491
Goldeneyes	856	1,008	0	0	18,838	12,742
Bufflehead	8,093	10,535	0	0	55,941	60,927
Ruddy Duck	311	824	0	0	11,709	7,026
Long-tailed Duck	1,642	979	0	0	14,999	18,196
Eiders	0	0	0	0	22,893	25,476
Scoters	6,158	10,121	0	0	42,125	46,301
Hooded Merganser	3,657	4,764	61	0	34,037	37,182
Other Mergansers	311	2,015	0	0	18,061	19,801
Other Ducks	78	0	0	0	3,076	3,521
Total Duck Harvest	139,000±16%	131,200±18%	4,000±45%	3,600±25%	1,610,500±6%	1,622,500±6%
Total Active Duck Hunters ^a	18,600±11%	16,300±13%	800±28%	700±21%	184,500 ^c	176,500 ^c
Total Duck Hunter Days Afield ^d	98,700±15%	91,100±18%	4,100±33%	3,200±23%	1,067,300±5%	1,046,200±6%
Seasonal Duck Harvest Per Hunter	7.5±19%	8.0±22%	4.9±53%	5.5±33%		
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Goose Species Composition						
Canada Goose	61,444	47,817	3,900	2,485	774,515	662,449
Snow Goose	56	983	0	0	35,394	32,719
Blue Goose	0	0	0	0	709	537
Ross's Goose	0	0	0	0	0	82
White-fronted Goose	0	0	0	0	87	0
Brant	6,100	2,400	0	0	30,400	18,500
Other Geese	0	0	0	15	96	15
Total Goose Harvest	67,600±14%	51,200±15%	3,900±67%	2,500±31%	841,200±6%	714,300±6%
Total Active Goose Hunters ^b	14,500±11%	13,800±12%	500±34%	600±23%	153,300 ^c	140,400 ^c
Total Goose Hunter Days Afield ^b	70,400±13%	63,500±14%	3,400±41%	2,900±28%	796,300±6%	691,500±6%
Seasonal Goose Harvest Per Hunter	4.2±18%	3.5±20%	7.1±75%	4.0±39%		
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Active Waterfowl Hunters	25,000±9%	21,100±11%	1,000±25%	900±19%	238,800 ^c	226,200 ^c
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Sample Sizes						
Duck Wings	1,705	1,345	131	163	18,322	16,834
Goose Tails	1,154	611	159	170	10,015	7,497

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Alabama		Arkansas		Illinois	
	2005	2006	2005	2006	2005	2006
Mallard	20,138	35,420	475,075	547,500	209,044	311,871
Domestic Mallard	0	0	0	1,177	589	2,111
Black Duck	1,467	1,801	835	784	2,944	3,921
Mallard x Black Duck Hybrid	133	200	0	0	589	905
Mottled Duck	400	200	835	0	0	0
Gadwall	50,546	60,835	177,005	169,819	26,106	55,196
Wigeon	2,267	5,403	24,630	19,610	9,029	13,573
Green-winged Teal	7,068	6,404	125,239	152,955	24,928	32,575
Blue-winged/Cinnamon Teal	4,534	7,804	23,796	33,336	14,721	16,589
Northern Shoveler	2,134	1,601	60,532	67,457	14,133	13,573
Northern Pintail	934	800	22,961	21,571	6,281	9,652
Wood Duck	34,142	34,220	119,812	81,968	31,013	21,716
Redhead	133	800	2,505	3,138	3,337	4,223
Canvasback	1,600	1,601	835	2,353	4,711	10,255
Greater Scaup	133	200	2,087	784	1,963	603
Lesser Scaup	934	200	12,941	9,413	13,151	6,937
Ring-necked Duck	6,535	12,807	24,213	20,002	12,562	13,271
Goldeneyes	400	1,401	417	784	1,963	905
Bufflehead	400	400	835	784	1,767	2,111
Ruddy Duck	667	400	0	5,883	0	302
Long-tailed Duck	0	0	0	0	0	302
Eiders	0	0	0	0	0	0
Scoters	0	0	0	0	785	0
Hooded Merganser	1,734	800	5,845	5,883	589	1,810
Other Mergansers	0	0	0	0	196	302
Other Ducks	0	0	0	0	0	0
Total Duck Harvest	136,300±34%	173,300±32%	1,080,400±14%	1,145,200±13%	380,400±11%	522,700±11%
Total Active Duck Hunters	10,200±29%	16,200±25%	64,900±9%	59,000±9%	31,600±9%	37,300±9%
Total Duck Hunter Days Afield	61,800±29%	95,200±29%	462,700±13%	483,500±11%	260,900±10%	342,100±10%
Seasonal Duck Harvest Per Hunter	13.4±44%	10.7±41%	16.6±17%	19.4±15%	12.0±15%	14.0±14%
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Goose Species Composition						
Canada Goose	16,514	19,664	19,962	39,894	102,707	158,224
Snow Goose	486	936	51,754	79,788	2,698	2,675
Blue Goose	0	0	36,967	34,690	2,890	2,293
Ross's Goose	0	0	0	6,938	578	1,911
White-fronted Goose	0	0	26,616	34,690	1,927	6,497
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	17,000±54%	20,600±63%	135,300±23%	196,000±35%	110,800±21%	171,600±15%
Total Active Goose Hunters	4,900±42%	5,500±43%	24,000±15%	20,700±15%	26,400±10%	34,100±10%
Total Goose Hunter Days Afield	40,000±90%	15,900±49%	108,800±25%	119,600±26%	187,900±13%	258,400±13%
Seasonal Goose Harvest Per Hunter	3.5±69%	3.8±76%	5.6±27%	9.4±38%	4.2±23%	5.0±18%
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Active Waterfowl Hunters	10,600±28%	16,200±25%	65,500±9%	59,600±9%	38,100±8%	45,100±8%
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Sample Sizes						
Duck Wings	1,022	866	2,588	2,920	1,938	1,733
Goose Tails	35	66	183	113	575	449

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Indiana		Iowa		Kentucky	
	2005	2006	2005	2006	2005	2006
Mallard	76,069	60,669	77,872	73,177	115,244	81,564
Domestic Mallard	404	114	540	0	435	0
Black Duck	2,154	2,618	180	290	9,133	2,302
Mallard x Black Duck Hybrid	0	114	180	0	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	11,713	7,968	9,891	16,374	16,526	15,129
Wigeon	942	2,504	2,338	6,231	6,523	3,947
Green-winged Teal	7,809	10,017	21,221	31,879	5,219	8,222
Blue-winged/Cinnamon Teal	5,789	10,927	39,026	27,822	6,958	6,578
Northern Shoveler	2,558	2,959	4,496	7,390	1,305	1,973
Northern Pintail	1,077	1,821	4,316	3,912	1,740	987
Wood Duck	17,099	15,708	38,127	26,662	16,091	23,680
Redhead	135	114	1,259	1,449	1,740	0
Canvasback	404	114	180	725	435	0
Greater Scaup	539	114	180	0	435	0
Lesser Scaup	539	228	899	2,029	4,349	658
Ring-necked Duck	539	3,529	3,237	3,188	435	987
Goldeneyes	942	114	360	0	435	329
Bufflehead	1,346	2,618	360	725	0	0
Ruddy Duck	269	228	0	0	0	0
Long-tailed Duck	0	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	0	0	0	0
Hooded Merganser	269	683	540	1,159	0	1,644
Other Mergansers	404	341	0	290	0	0
Other Ducks	0	0	0	0	0	0
Total Duck Harvest	131,000±29%	123,500±14%	205,200±21%	203,300±13%	187,000±30%	148,000±38%
Total Active Duck Hunters	13,300±11%	14,300±11%	17,300±12%	18,000±10%	15,700±19%	9,200±21%
Total Duck Hunter Days Afield	100,100±16%	101,100±13%	128,900±17%	129,900±12%	138,600±28%	83,100±33%
Seasonal Duck Harvest Per Hunter	9.8±31%	8.7±18%	11.8±24%	11.3±16%	11.9±36%	16.0±43%
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Goose Species Composition						
Canada Goose	57,975	57,193	78,615	73,917	35,035	27,216
Snow Goose	206	2,295	585	242	865	0
Blue Goose	206	1,059	0	0	0	0
Ross's Goose	103	0	0	0	0	0
White-fronted Goose	411	353	0	242	0	1,384
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	58,900±16%	60,900±22%	79,200±20%	74,400±17%	35,900±33%	28,600±42%
Total Active Goose Hunters	12,900±10%	13,600±10%	15,500±13%	15,500±12%	9,800±23%	8,200±24%
Total Goose Hunter Days Afield	90,200±13%	89,500±13%	103,200±18%	106,500±14%	73,500±31%	60,700±32%
Seasonal Goose Harvest Per Hunter	4.5±19%	4.5±24%	5.1±24%	4.8±21%	3.7±41%	3.5±48%
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Active Waterfowl Hunters	14,900±10%	16,500±10%	20,800±11%	21,300±10%	16,400±19%	10,200±20%
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Sample Sizes						
Duck Wings	973	1,085	1,141	1,403	430	450
Goose Tails	573	345	406	308	83	62

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Louisiana		Michigan		Minnesota	
	2005	2006	2005	2006	2005	2006
Mallard	101,308	86,787	135,463	173,160	169,582	215,727
Domestic Mallard	0	732	185	619	240	579
Black Duck	0	366	9,412	9,907	719	1,158
Mallard x Black Duck Hybrid	306	0	1,107	1,445	0	290
Mottled Duck	25,097	41,746	0	0	0	0
Gadwall	168,949	224,108	5,168	6,604	15,090	38,802
Wigeon	23,873	36,619	3,507	5,779	13,174	20,849
Green-winged Teal	149,361	188,222	20,486	31,577	27,545	47,199
Blue-winged/Cinnamon Teal	92,126	293,318	5,168	5,572	50,539	54,438
Northern Shoveler	44,992	70,675	2,399	1,238	13,174	13,610
Northern Pintail	33,667	26,732	3,137	3,921	9,820	7,818
Wood Duck	109,572	131,828	32,113	43,961	98,204	81,658
Redhead	7,346	9,887	12,181	11,971	16,767	24,613
Canvasback	7,040	6,958	1,476	2,270	8,623	13,030
Greater Scaup	1,836	366	10,335	13,415	1,437	1,737
Lesser Scaup	36,728	29,295	7,013	10,526	12,934	21,717
Ring-necked Duck	65,498	164,053	7,567	10,319	75,689	80,499
Goldeneyes	0	732	3,507	5,160	7,186	3,185
Bufflehead	1,224	2,197	15,687	34,467	3,832	6,950
Ruddy Duck	306	2,563	1,476	1,445	479	1,158
Long-tailed Duck	0	366	2,030	4,128	0	290
Eiders	0	0	0	0	0	0
Scoters	0	0	2,768	1,445	719	0
Hooded Merganser	4,285	6,225	1,476	2,064	4,790	5,791
Other Mergansers	0	732	738	3,509	958	0
Other Ducks	4,285	7,690	0	0	0	0
Total Duck Harvest	877,800±14%	1,332,200±14%	284,400±12%	384,500±14%	531,500±12%	641,100±11%
Total Active Duck Hunters	48,400±11%	56,000±9%	40,900±10%	38,000±10%	71,000±8%	73,800±9%
Total Duck Hunter Days Afield	333,000±15%	484,000±12%	225,200±11%	244,700±11%	404,100±11%	407,900±10%
Seasonal Duck Harvest Per Hunter	18.1±18%	23.8±16%	7.0±16%	10.1±17%	7.5±15%	8.7±14%
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Goose Species Composition						
Canada Goose	2,962	1,335	141,800	157,292	207,266	240,703
Snow Goose	25,913	25,366	0	0	234	1,011
Blue Goose	68,115	32,041	0	208	0	1,686
Ross's Goose	1,481	1,335	0	0	0	0
White-fronted Goose	59,230	96,123	0	0	0	0
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	157,700±26%	156,200±25%	141,800±15%	157,500±16%	207,500±13%	243,400±14%
Total Active Goose Hunters	19,500±14%	18,000±13%	38,000±10%	37,200±10%	58,600±9%	60,300±9%
Total Goose Hunter Days Afield	116,800±26%	115,500±20%	186,600±12%	206,000±12%	366,300±12%	325,500±13%
Seasonal Goose Harvest Per Hunter	8.1±30%	8.7±29%	3.7±18%	4.2±19%	3.5±16%	4.0±16%
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Active Waterfowl Hunters	50,100±11%	57,000±9%	52,300±9%	48,400±9%	81,000±8%	86,900±8%
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Sample Sizes						
Duck Wings	2,868	3,638	1,541	1,863	2,219	2,214
Goose Tails	213	117	589	758	888	722

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Mississippi		Missouri		Ohio	
	2005	2006	2005	2006	2005	2006
Mallard	155,981	131,924	242,104	221,725	59,826	75,660
Domestic Mallard	227	380	559	0	1,035	676
Black Duck	453	380	559	765	3,312	4,898
Mallard x Black Duck Hybrid	0	0	0	0	207	844
Mottled Duck	0	760	0	0	0	0
Gadwall	48,291	93,905	65,368	49,238	9,730	6,080
Wigeon	8,162	6,843	9,498	12,386	1,449	3,209
Green-winged Teal	32,874	41,440	39,854	42,816	7,038	14,862
Blue-winged/Cinnamon Teal	2,494	4,562	17,506	18,044	6,003	5,067
Northern Shoveler	14,510	15,207	26,073	15,903	1,449	2,364
Northern Pintail	3,854	6,083	10,988	8,563	1,035	2,195
Wood Duck	26,752	19,009	25,514	12,080	17,389	10,977
Redhead	1,587	760	3,166	2,600	1,242	1,182
Canvasback	0	0	931	765	414	169
Greater Scaup	0	380	186	153	207	0
Lesser Scaup	2,721	4,182	3,725	2,905	2,484	1,520
Ring-necked Duck	4,081	2,281	14,154	12,080	5,175	4,053
Goldeneyes	0	0	1,490	306	1,242	1,013
Bufflehead	680	380	0	153	2,691	5,911
Ruddy Duck	0	0	186	765	207	676
Long-tailed Duck	0	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	0	153	0	0
Hooded Merganser	1,134	1,521	2,980	2,447	1,656	676
Other Mergansers	0	0	372	0	207	169
Other Ducks	0	0	186	153	0	0
Total Duck Harvest	303,800±26%	330,000±32%	465,400±28%	404,000±18%	124,000±17%	142,200±18%
Total Active Duck Hunters	18,200±22%	16,800±16%	28,700±13%	29,900±12%	20,300±18%	22,300±19%
Total Duck Hunter Days Afield	118,200±26%	130,400±26%	221,700±20%	211,600±19%	122,700±17%	139,400±18%
Seasonal Duck Harvest Per Hunter	16.7±34%	19.6±36%	16.2±31%	13.5±22%	6.1±25%	6.4±26%
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Goose Species Composition						
Canada Goose	2,864	10,026	39,270	70,418	90,100	86,600
Snow Goose	8,591	6,016	25,148	8,690	0	0
Blue Goose	11,045	7,353	12,574	5,394	0	0
Ross's Goose	1,227	0	1,548	300	0	0
White-fronted Goose	3,273	2,005	1,161	1,199	0	0
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	27,000±55%	25,400±31%	79,700±35%	86,000±40%	90,100±16%	86,600±21%
Total Active Goose Hunters	4,600±39%	6,000±26%	16,200±15%	15,100±16%	23,000±15%	21,400±17%
Total Goose Hunter Days Afield	17,000±46%	21,400±35%	71,400±20%	99,500±29%	143,900±17%	162,500±27%
Seasonal Goose Harvest Per Hunter	5.9±68%	4.2±40%	4.9±38%	5.7±43%	3.9±22%	4.1±27%
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Active Waterfowl Hunters	18,300±22%	17,100±16%	33,700±12%	32,200±12%	25,400±17%	24,700±18%
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Sample Sizes						
Duck Wings	1,340	868	2,499	2,642	599	842
Goose Tails	66	38	412	287	346	286

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Tennessee		Wisconsin		Flyway Total	
	2005	2006	2005	2006	2005	2006
Mallard	92,869	127,435	118,808	144,024	2,049,383	2,286,643
Domestic Mallard	327	681	0	1,423	4,539	8,493
Black Duck	2,943	4,089	2,254	2,562	36,365	35,840
Mallard x Black Duck Hybrid	327	681	0	0	2,849	4,479
Mottled Duck	0	0	0	0	26,333	42,706
Gadwall	22,890	42,933	8,049	16,793	635,321	803,785
Wigeon	4,578	16,355	11,269	10,531	121,240	163,839
Green-winged Teal	8,502	23,852	36,705	27,609	513,850	659,628
Blue-winged/Cinnamon Teal	1,308	4,770	44,110	25,048	314,079	513,876
Northern Shoveler	3,924	6,133	3,864	5,408	195,542	225,492
Northern Pintail	3,924	6,815	3,542	3,416	107,276	104,286
Wood Duck	30,084	59,288	77,596	72,297	673,507	635,053
Redhead	1,962	1,363	8,693	7,400	62,051	69,500
Canvasback	1,308	0	4,830	7,400	32,786	45,640
Greater Scaup	0	0	5,474	3,700	24,812	21,454
Lesser Scaup	3,924	1,363	9,015	10,247	111,357	101,219
Ring-necked Duck	7,848	2,726	12,557	23,909	240,090	353,705
Goldeneyes	327	0	5,152	5,977	23,420	19,906
Bufflehead	0	3,407	13,201	18,786	42,024	78,889
Ruddy Duck	0	0	644	6,831	4,235	20,250
Long-tailed Duck	0	0	2,898	3,985	4,928	9,070
Eiders	0	0	0	0	0	0
Scoters	327	0	322	285	4,921	1,882
Hooded Merganser	327	3,407	4,830	3,131	30,454	37,241
Other Mergansers	0	0	1,288	854	4,164	6,197
Other Ducks	0	0	0	285	4,471	8,128
Total Duck Harvest	187,700±32%	305,300±43%	375,100±12%	401,900±12%	5,270,000±5%	6,257,200±5%
Total Active Duck Hunters	13,100±33%	12,900±25%	56,100±10%	60,000±10%	449,700 ^c	463,700 ^c
Total Duck Hunter Days Afield	103,900±38%	142,700±35%	393,900±16%	368,700±14%	3,075,500±5%	3,364,300±4%
Seasonal Duck Harvest Per Hunter	14.3±45%	23.7±50%	6.7±16%	6.7±15%		
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Goose Species Composition						
Canada Goose	26,400	23,575	106,988	112,593	928,457	1,078,650
Snow Goose	0	1,025	0	254	116,479	128,297
Blue Goose	0	0	675	254	132,472	84,977
Ross's Goose	0	0	0	0	4,936	10,484
White-fronted Goose	0	0	338	0	92,956	142,493
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	26,400±52%	24,600±32%	108,000±17%	113,100±15%	1,275,300±6%	1,444,900±7%
Total Active Goose Hunters	11,600±33%	10,600±27%	51,100±9%	48,600±9%	316,100 ^c	314,800 ^c
Total Goose Hunter Days Afield	95,400±57%	75,800±42%	327,600±15%	293,400±15%	1,928,500±6%	1,950,400±6%
Seasonal Goose Harvest Per Hunter	2.3±62%	2.3±41%	2.1±19%	2.3±18%		
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Active Waterfowl Hunters	13,200±32%	13,300±25%	82,300±8%	77,600±9%	522,500 ^c	526,200 ^c
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Sample Sizes						
Duck Wings	574	448	1,165	1,412	20,897	22,384
Goose Tails	59	24	320	446	4,748	4,021

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Colorado		Kansas		Nebraska	
	2005	2006	2005	2006	2005	2006
Mallard	48,352	55,111	84,193	55,780	89,415	86,754
Domestic Mallard	0	0	0	169	0	185
Black Duck	0	0	0	0	0	0
Mallard x Black Duck Hybrid	0	0	0	0	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	11,534	9,844	21,629	30,594	9,495	12,459
Wigeon	8,326	7,988	7,332	7,944	9,043	10,798
Green-winged Teal	10,006	11,619	15,397	15,889	17,408	20,581
Blue-winged/Cinnamon Teal	9,548	8,311	11,975	24,847	19,330	20,212
Northern Shoveler	3,972	3,389	4,277	6,254	3,617	5,353
Northern Pintail	993	888	3,666	2,704	3,052	1,477
Wood Duck	1,222	1,130	1,589	2,874	4,748	1,938
Redhead	1,680	2,179	3,788	4,226	3,391	3,784
Canvasback	306	161	489	338	452	831
Greater Scaup	0	161	0	169	113	92
Lesser Scaup	458	565	244	845	339	831
Ring-necked Duck	1,451	3,712	2,688	8,113	2,487	2,030
Goldeneyes	687	2,259	122	507	226	369
Bufflehead	229	81	122	0	1,356	554
Ruddy Duck	153	81	122	0	0	369
Long-tailed Duck	0	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	0	0	113	0
Hooded Merganser	153	161	367	338	0	92
Other Mergansers	229	161	0	507	113	92
Other Ducks	0	0	0	0	0	0
Total Duck Harvest	99,300±16%	107,800±13%	158,000±21%	162,100±21%	164,700±18%	168,800±12%
Total Active Duck Hunters	12,300±13%	12,400±14%	11,600±17%	12,700±16%	15,600±12%	16,000±12%
Total Duck Hunter Days Afield	66,700±14%	65,000±15%	87,700±23%	85,400±20%	110,900±15%	111,500±14%
Seasonal Duck Harvest Per Hunter	8.1±21%	8.7±19%	13.7±27%	12.8±27%	10.6±22%	10.6±17%
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Goose Species Composition						
Canada Goose	74,768	69,176	99,178	59,566	100,078	56,988
Snow Goose	10,776	10,769	6,211	15,884	7,992	5,965
Blue Goose	333	1,267	1,165	6,774	2,361	3,681
Ross's Goose	1,222	6,461	776	5,840	1,271	1,777
White-fronted Goose	0	127	970	2,336	1,998	888
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	87,100±17%	87,800±24%	108,300±35%	90,400±32%	113,700±16%	69,300±15%
Total Active Goose Hunters	14,600±11%	13,000±14%	12,000±18%	12,000±17%	15,400±11%	13,700±12%
Total Goose Hunter Days Afield	84,300±28%	76,800±16%	84,800±26%	61,000±17%	129,200±14%	99,200±14%
Seasonal Goose Harvest Per Hunter	6.0±20%	6.8±27%	9.1±39%	7.5±37%	7.4±19%	5.1±19%
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Active Waterfowl Hunters	19,500±10%	18,100±12%	13,600±16%	16,000±15%	19,200±10%	18,100±11%
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Sample Sizes						
Duck Wings	1,300	1,336	1,293	959	1,457	1,829
Goose Tails	784	693	558	387	626	546

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	New Mexico		North Dakota		Oklahoma	
	2005	2006	2005	2006	2005	2006
Mallard	11,280	13,808	233,142	162,300	125,375	126,446
Domestic Mallard	74	0	115	748	0	137
Black Duck	0	0	115	0	0	0
Mallard x Black Duck Hybrid	0	0	0	0	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	5,232	3,945	95,382	63,324	57,475	68,983
Wigeon	4,527	3,199	22,286	16,704	16,307	21,394
Green-winged Teal	6,122	13,168	21,594	18,199	29,807	35,520
Blue-winged/Cinnamon Teal	705	2,985	34,758	18,199	8,955	11,246
Northern Shoveler	1,187	3,039	20,208	16,080	8,688	6,720
Northern Pintail	1,150	1,706	20,670	10,596	5,614	2,331
Wood Duck	519	906	1,963	2,368	10,426	4,251
Redhead	408	480	20,785	20,069	2,005	2,469
Canvasback	37	160	7,621	8,227	1,470	274
Greater Scaup	0	0	462	249	134	137
Lesser Scaup	37	267	21,709	20,568	2,406	2,057
Ring-necked Duck	668	533	10,277	12,465	14,168	15,360
Goldeneyes	334	693	115	748	535	1,097
Bufflehead	37	107	7,275	6,482	401	2,331
Ruddy Duck	0	426	115	997	267	0
Long-tailed Duck	0	0	115	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	0	0	0	0
Hooded Merganser	37	53	693	249	1,069	1,509
Other Mergansers	111	480	0	0	0	137
Other Ducks	334	746	0	125	0	0
Total Duck Harvest	32,800±38%	46,700±64%	519,400±8%	378,700±10%	285,100±32%	302,400±31%
Total Active Duck Hunters	2,900±20%	2,400±22%	36,300±5%	29,700±6%	16,100±15%	14,200±19%
Total Duck Hunter Days Afield	16,700±28%	15,600±44%	186,700±7%	150,000±8%	107,700±24%	110,700±28%
Seasonal Duck Harvest Per Hunter	11.4±43%	19.3±67%	14.3±9%	12.8±12%	17.8±35%	21.2±36%
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Goose Species Composition						
Canada Goose	3,778	1,698	133,043	120,355	29,545	42,436
Snow Goose	2,167	1,969	6,388	13,416	6,591	6,665
Blue Goose	0	98	12,775	17,845	2,386	889
Ross's Goose	1,556	910	913	912	2,500	3,110
White-fronted Goose	0	25	183	1,172	1,477	2,000
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	7,500±34%	4,700±36%	153,300±13%	153,700±14%	42,500±21%	55,100±37%
Total Active Goose Hunters	2,000±24%	1,800±26%	26,500±6%	24,000±6%	9,900±18%	9,000±22%
Total Goose Hunter Days Afield	8,300±36%	5,800±30%	132,900±9%	110,200±9%	42,900±24%	49,300±31%
Seasonal Goose Harvest Per Hunter	3.8±42%	2.6±45%	5.8±14%	6.4±15%	4.3±27%	6.1±44%
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Active Waterfowl Hunters	3,700±18%	2,700±21%	40,600±5%	34,800±5%	17,500±15%	15,500±18%
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Sample Sizes						
Duck Wings	884	876	4,498	3,038	2,133	2,205
Goose Tails	135	191	840	1,180	374	248

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	South Dakota		Texas		Wyoming	
	2005	2006	2005	2006	2005	2006
Mallard	81,701	72,734	171,208	111,196	22,574	25,114
Domestic Mallard	93	114	764	623	163	0
Black Duck	0	0	0	0	0	0
Mallard x Black Duck Hybrid	0	114	0	0	0	0
Mottled Duck	0	0	14,904	9,967	0	0
Gadwall	28,511	34,033	269,041	236,409	2,992	3,848
Wigeon	7,478	11,382	126,495	115,868	2,665	4,253
Green-winged Teal	14,396	19,919	241,526	145,458	2,393	3,308
Blue-winged/Cinnamon Teal	14,770	11,838	133,756	184,081	1,142	1,688
Northern Shoveler	8,974	7,285	86,368	55,754	490	608
Northern Pintail	5,141	4,781	37,834	41,426	490	405
Wood Duck	4,020	3,984	42,038	30,836	272	1,013
Redhead	3,926	9,675	40,127	35,508	326	473
Canvasback	561	2,049	6,497	5,918	54	135
Greater Scaup	280	0	1,529	1,869	0	68
Lesser Scaup	4,207	7,057	24,840	18,688	163	270
Ring-necked Duck	2,057	5,236	42,802	40,803	218	878
Goldeneyes	467	569	382	934	1,197	2,633
Bufflehead	1,309	1,594	3,822	4,361	490	405
Ruddy Duck	467	797	1,146	2,180	218	68
Long-tailed Duck	0	0	0	0	54	0
Eiders	0	0	0	0	0	0
Scoters	0	0	0	311	0	0
Hooded Merganser	654	114	5,732	2,803	0	68
Other Mergansers	0	228	764	311	0	68
Other Ducks	187	0	3,822	2,492	0	0
Total Duck Harvest	179,200±14%	193,500±14%	1,255,400±23%	1,047,800±22%	35,900±16%	45,300±26%
Total Active Duck Hunters	15,500±10%	15,300±10%	91,500±18%	84,200±18%	3,600±17%	4,000±17%
Total Duck Hunter Days Afield	86,200±15%	92,200±15%	488,500±25%	424,900±22%	19,700±18%	22,500±20%
Seasonal Duck Harvest Per Hunter	11.6±18%	12.6±18%	13.7±29%	12.4±29%	9.9±23%	11.4±31%
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Goose Species Composition						
Canada Goose	78,822	129,985	83,145	62,362	19,380	22,900
Snow Goose	13,400	14,666	167,330	111,984	609	0
Blue Goose	9,459	13,276	54,045	30,846	0	0
Ross's Goose	473	463	44,691	16,764	55	0
White-fronted Goose	946	309	108,089	76,444	0	0
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	55	0
Total Goose Harvest	103,100±22%	158,700±20%	457,300±24%	298,400±27%	20,100±18%	22,900±53%
Total Active Goose Hunters	15,400±10%	17,500±9%	58,800±18%	56,500±18%	4,000±15%	3,900±16%
Total Goose Hunter Days Afield	93,300±14%	106,600±13%	183,500±26%	193,700±25%	20,900±18%	20,100±24%
Seasonal Goose Harvest Per Hunter	6.7±24%	9.1±22%	7.8±30%	5.3±32%	5.0±24%	5.9±55%
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Active Waterfowl Hunters	22,300±8%	22,800±8%	110,400±17%	111,700±17%	6,100±12%	5,900±12%
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Sample Sizes						
Duck Wings	1,917	1,700	3,285	3,364	660	671
Goose Tails	654	1,028	440	445	363	356

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Flyway Total	
	2005	2006
Mallard	867,238	709,241
Domestic Mallard	1,211	1,975
Black Duck	115	0
Mallard x Black Duck Hybrid	0	114
Mottled Duck	14,904	9,967
Gadwall	501,290	463,440
Wigeon	204,460	199,531
Green-winged Teal	358,649	283,662
Blue-winged/Cinnamon Teal	234,939	283,407
Northern Shoveler	137,781	104,481
Northern Pintail	78,610	66,313
Wood Duck	66,796	49,300
Redhead	76,438	78,862
Canvasback	17,487	18,093
Greater Scaup	2,518	2,746
Lesser Scaup	54,404	51,148
Ring-necked Duck	76,816	89,131
Goldeneyes	4,066	9,810
Bufflehead	15,041	15,914
Ruddy Duck	2,489	4,918
Long-tailed Duck	170	0
Eiders	0	0
Scoters	113	311
Hooded Merganser	8,705	5,388
Other Mergansers	1,218	1,984
Other Ducks	4,343	3,363
Total Duck Harvest	2,729,800±11%	2,453,100±11%
Total Active Duck Hunters	205,300 ^c	190,900 ^c
Total Duck Hunter Days Afield	1,170,800±11%	1,077,700±10%
Seasonal Duck Harvest Per Hunter		

Goose Species Composition		
Canada Goose	621,738	565,467
Snow Goose	221,463	181,318
Blue Goose	82,524	74,676
Ross's Goose	53,457	36,238
White-fronted Goose	113,663	83,300
Brant	0	0
Other Geese	55	0
Total Goose Harvest	1,092,900±11%	941,000±11%
Total Active Goose Hunters	185,500 ^c	151,500 ^c
Total Goose Hunter Days Afield	779,900±8%	722,700±8%
Seasonal Goose Harvest Per Hunter		

Active Waterfowl Hunters	252,900 ^c	245,500 ^c

Sample Sizes		
Duck Wings	17,427	15,978
Goose Tails	4,774	5,074

Table 1D. Preliminary estimates of waterfowl harvest and hunter activity in the Pacific Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Arizona		California		Idaho	
	2005	2006	2005	2006	2005	2006
Mallard	14,905	6,318	349,758	349,054	172,669	167,536
Domestic Mallard	0	0	1,062	985	255	315
Black Duck	0	0	0	0	0	0
Mallard x Black Duck Hybrid	0	0	0	0	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	2,905	5,366	105,034	124,231	10,210	20,390
Wigeon	2,981	5,626	176,871	166,216	29,352	40,465
Green-winged Teal	10,777	12,637	297,573	331,324	17,867	16,712
Blue-winged/Cinnamon Teal	4,968	692	58,160	56,883	255	526
Northern Shoveler	2,675	4,155	128,802	224,576	4,339	2,733
Northern Pintail	2,599	2,337	115,657	123,246	6,509	5,781
Wood Duck	0	173	39,437	31,273	2,680	5,991
Redhead	382	1,645	7,834	9,111	1,021	1,261
Canvasback	459	346	4,780	17,483	255	631
Greater Scaup	76	0	2,789	862	255	105
Lesser Scaup	688	87	8,366	4,679	3,190	1,787
Ring-necked Duck	6,191	4,760	16,731	24,501	2,425	1,787
Goldeneyes	306	87	3,585	3,201	5,615	10,405
Bufflehead	688	779	7,170	7,387	510	1,156
Ruddy Duck	306	260	2,257	3,571	255	0
Long-tailed Duck	0	0	0	0	0	105
Eiders	0	0	0	0	0	0
Scoters	0	0	398	123	0	0
Hooded Merganser	76	0	664	862	638	210
Other Mergansers	76	87	266	862	0	105
Other Ducks	841	346	0	369	0	0
Total Duck Harvest	51,900±48%	45,700±25%	1,327,200±15%	1,480,800±16%	258,300±16%	278,000±18%
Total Active Duck Hunters	3,000±23%	3,800±17%	47,000±10%	46,400±10%	18,500±12%	18,400±12%
Total Duck Hunter Days Afield	19,400±30%	22,200±23%	486,700±15%	521,100±17%	110,600±15%	112,500±14%
Seasonal Duck Harvest Per Hunter	17.3±53%	12.0±30%	28.3±18%	31.9±19%	14.0±20%	15.1±22%
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Goose Species Composition						
Canada Goose	1,360	2,462	49,182	41,381	73,738	77,678
Snow Goose	204	492	46,653	43,296	140	122
Blue Goose	0	0	281	255	0	0
Ross's Goose	136	0	7,729	5,875	0	0
White-fronted Goose	0	246	42,156	52,492	421	0
Brant	0	0	900	2,900	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	1,700±58%	3,200±12%	146,900±21%	146,200±30%	74,300±17%	77,800±32%
Total Active Goose Hunters	800±45%	1,100±28%	32,300±11%	30,500±12%	16,000±10%	13,700±12%
Total Goose Hunter Days Afield	3,700±47%	6,600±51%	248,300±17%	258,200±21%	101,300±17%	85,300±19%
Seasonal Goose Harvest Per Hunter	2.1±74%	2.9±61%	4.6±24%	4.8±32%	4.6±20%	5.7±34%
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Active Waterfowl Hunters	3,400±21%	4,100±15%	48,600±10%	48,200±10%	22,200±11%	21,400±11%
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Sample Sizes						
Duck Wings	679	528	9,995	12,027	2,024	2,645
Goose Tails	25	13	1,051	1,171	529	636

Table 1D. Preliminary estimates of waterfowl harvest and hunter activity in the Pacific Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Montana		Nevada		Oregon	
	2005	2006	2005	2006	2005	2006
Mallard	85,748	77,003	12,639	22,099	142,771	261,381
Domestic Mallard	57	0	0	0	96	0
Black Duck	0	0	0	0	0	0
Mallard x Black Duck Hybrid	0	83	0	0	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	3,879	6,910	9,231	8,137	18,376	25,654
Wigeon	5,078	5,827	2,834	3,093	51,182	108,356
Green-winged Teal	6,276	5,494	10,265	8,778	61,091	79,114
Blue-winged/Cinnamon Teal	2,225	3,247	1,341	307	385	897
Northern Shoveler	1,769	2,164	4,366	6,577	15,874	30,139
Northern Pintail	2,168	2,331	3,370	2,619	27,900	47,540
Wood Duck	1,084	1,249	728	84	10,871	13,455
Redhead	1,255	1,831	1,800	1,338	577	1,615
Canvasback	742	916	460	307	289	1,794
Greater Scaup	57	166	0	0	4,137	6,458
Lesser Scaup	1,084	583	153	84	5,772	10,764
Ring-necked Duck	1,483	583	1,111	1,338	6,446	21,169
Goldeneyes	1,940	3,496	115	223	1,828	5,741
Bufflehead	171	250	536	195	5,388	14,172
Ruddy Duck	0	83	575	111	481	718
Long-tailed Duck	0	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	83	0	0	481	200
Hooded Merganser	228	166	38	84	962	897
Other Mergansers	57	333	38	0	2,598	538
Other Ducks	0	0	0	28	96	0
Total Duck Harvest	115,300±20%	112,800±21%	49,600±15%	55,400±16%	357,600±19%	630,600±18%
Total Active Duck Hunters	12,100±15%	12,900±14%	3,600±17%	4,000±16%	18,700±12%	24,700±9%
Total Duck Hunter Days Afield	64,300±19%	60,000±23%	22,200±17%	23,000±22%	142,000±17%	238,000±15%
Seasonal Duck Harvest Per Hunter	9.6±24%	8.7±25%	13.6±23%	14.0±23%	19.1±22%	25.5±20%
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Goose Species Composition						
Canada Goose	35,937	49,460	6,414	5,902	61,600	65,327
Snow Goose	2,532	2,005	309	79	2,877	11,160
Blue Goose	0	84	77	0	0	0
Ross's Goose	162	167	0	79	0	272
White-fronted Goose	269	84	0	40	1,523	2,041
Brant	0	0	0	0	0	9
Other Geese	0	0	0	0	0	0
Total Goose Harvest	38,900±22%	51,800±26%	6,800±23%	6,100±20%	66,000±29%	78,800±16%
Total Active Goose Hunters	9,700±16%	11,200±15%	2,500±19%	2,100±21%	11,500±14%	14,400±11%
Total Goose Hunter Days Afield	42,500±18%	48,700±23%	11,900±24%	9,400±27%	66,600±21%	80,800±14%
Seasonal Goose Harvest Per Hunter	4.0±27%	4.6±30%	2.8±30%	2.8±29%	5.7±32%	5.5±19%
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Active Waterfowl Hunters	14,500±13%	17,500±12%	4,200±15%	4,200±15%	20,800±12%	26,300±8%
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Sample Sizes						
Duck Wings	2,021	1,355	1,295	1,988	3,717	3,539
Goose Tails	722	620	88	154	780	580

Table 1D. Preliminary estimates of waterfowl harvest and hunter activity in the Pacific Flyway during the 2005 and 2006 hunting seasons.

Duck Species Composition	Utah		Washington		Flyway Total	
	2005	2006	2005	2006	2005	2006
Mallard	85,014	96,987	212,209	269,881	1,075,713	1,250,260
Domestic Mallard	169	310	95	98	1,735	1,709
Black Duck	0	0	0	0	0	0
Mallard x Black Duck Hybrid	0	0	95	0	95	83
Mottled Duck	0	0	0	0	0	0
Gadwall	34,782	38,567	7,436	14,029	191,852	243,284
Wigeon	21,443	29,675	57,771	81,033	347,513	440,292
Green-winged Teal	51,836	59,454	40,993	39,339	496,678	552,852
Blue-winged/Cinnamon Teal	9,793	10,443	191	98	77,318	73,092
Northern Shoveler	14,943	19,335	12,679	9,222	185,448	298,900
Northern Pintail	23,385	26,883	21,450	21,092	203,037	231,830
Wood Duck	0	207	1,335	6,769	56,135	59,200
Redhead	5,910	7,755	2,097	2,256	20,877	26,812
Canvasback	1,520	3,516	858	1,864	9,362	26,856
Greater Scaup	422	207	3,909	4,709	11,645	12,507
Lesser Scaup	3,799	3,826	5,053	12,165	28,105	33,973
Ring-necked Duck	3,039	1,551	10,677	12,459	48,103	68,148
Goldeneyes	6,923	4,963	7,150	8,927	27,461	37,044
Bufflehead	4,306	2,068	7,531	8,731	26,301	34,739
Ruddy Duck	1,773	2,378	95	294	5,742	7,415
Long-tailed Duck	84	0	0	196	84	301
Eiders	0	0	0	0	0	0
Scoters	84	103	2,383	2,158	3,347	2,668
Hooded Merganser	84	207	1,430	294	4,121	2,720
Other Mergansers	591	1,965	667	687	4,293	4,576
Other Ducks	0	0	95	98	1,032	842
Total Duck Harvest	269,900±19%	310,400±17%	396,200±16%	496,400±19%	2,826,000±8%	3,410,100±9%
Total Active Duck Hunters	17,000±11%	17,100±13%	23,400±10%	20,500±11%	143,300 ^c	148,000 ^c
Total Duck Hunter Days Afield	122,900±17%	120,500±16%	166,300±13%	177,700±20%	1,134,500±8%	1,275,000±8%
Seasonal Duck Harvest Per Hunter	15.9±22%	18.1±22%	17.0±19%	24.2±22%		
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Goose Species Composition						
Canada Goose	30,394	20,319	68,195	71,581	326,820	334,109
Snow Goose	0	651	10,713	13,334	63,428	71,140
Blue Goose	0	0	0	0	358	339
Ross's Goose	0	0	0	234	8,026	6,627
White-fronted Goose	106	130	691	351	45,167	55,384
Brant	0	0	1,100	900	2,000	3,809
Other Geese	0	0	0	0	0	0
Total Goose Harvest	30,500±18%	21,100±17%	80,700±16%	86,400±15%	445,800±9%	471,400±12%
Total Active Goose Hunters	10,800±12%	10,700±12%	15,000±9%	15,100±11%	98,600 ^c	98,900 ^c
Total Goose Hunter Days Afield	70,900±16%	59,900±17%	86,300±14%	84,200±16%	631,500±8%	633,000±10%
Seasonal Goose Harvest Per Hunter	2.8±22%	2.0±21%	5.4±19%	5.7±19%		
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Active Waterfowl Hunters	19,300±10%	17,800±12%	26,600±9%	24,700±10%	165,800 ^c	169,700 ^c
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Sample Sizes						
Duck Wings	3,197	3,002	4,156	5,060	27,084	30,144
Goose Tails	289	162	702	735	4,186	4,071

Table 1E. Preliminary estimates of waterfowl harvest and hunter activity in Alaska and the United States during the 2005 and 2006 hunting seasons.

Duck Species Composition	Alaska		United States Total	
	2005	2006	2005	2006
Mallard	30,288	22,616	4,466,927	4,668,411
Domestic Mallard	0	0	17,041	19,220
Black Duck	0	0	129,886	129,197
Mallard x Black Duck Hybrid	0	0	16,600	13,431
Mottled Duck	0	0	51,936	66,474
Gadwall	1,153	1,031	1,363,954	1,544,792
Wigeon	7,622	12,442	701,701	856,103
Green-winged Teal	10,631	7,974	1,500,479	1,658,727
Blue-winged/Cinnamon Teal	50	0	703,534	940,965
Northern Shoveler	4,513	2,681	541,956	644,051
Northern Pintail	5,767	7,630	412,029	430,342
Wood Duck	0	0	1,119,921	1,076,200
Redhead	251	0	168,908	177,157
Canvasback	351	69	64,420	91,885
Greater Scaup	802	550	58,014	47,780
Lesser Scaup	1,404	550	258,968	233,508
Ring-necked Duck	1,153	1,100	475,184	656,574
Goldeneyes	2,908	1,994	76,694	81,496
Bufflehead	2,407	894	141,713	191,362
Ruddy Duck	0	0	24,175	39,609
Long-tailed Duck	0	215	20,181	27,783
Eiders	0	0	22,893	25,476
Scoters	3,490	2,800	53,997	53,963
Hooded Merganser	0	69	77,318	82,600
Other Mergansers	285	1,723	28,021	34,281
Other Ducks	1,425	862	14,347	16,715
Total Duck Harvest	74,500±14%	65,200±16%	12,510,800±4%	13,808,100±4%
Total Active Duck Hunters ^a	5,700±7%	5,100±9%	988,400 ^c	984,200 ^c
Total Duck Hunter Days Afield ^d	31,100±14%	25,200±15%	6,479,200±3%	6,788,400±3%
Seasonal Duck Harvest Per Hunter	13.2±15%	12.8±18%		
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Goose Species Composition				
Canada Goose	4,200	4,990	2,655,730	2,645,664
Snow Goose	46	0	436,811	413,474
Blue Goose	0	0	216,063	160,529
Ross's Goose	0	0	66,420	53,431
White-fronted Goose	554	1,310	252,426	282,487
Brant	700	1,200	33,100	23,509
Other Geese	0	0	151	15
Total Goose Harvest	5,500±40%	7,500±37%	3,660,700±4%	3,579,100±5%
Total Active Goose Hunters ^b	1,700±19%	1,700±19%	728,200 ^c	707,300 ^c
Total Goose Hunter Days Afield ^b	6,900±32%	9,600±34%	4,143,100±4%	4,007,100±4%
Seasonal Goose Harvest Per Hunter	3.3±44%	4.3±42%		
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Active Waterfowl Hunters	6,200±7%	5,500±9%	1,180,000 ^c	1,167,600 ^c
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Sample Sizes				
Duck Wings	1,455	893	85,185	86,233
Goose Tails	111	104	23,834	20,767

^a Duck hunter statistics do not include sea duck hunter statistics for states with special sea duck seasons or sea duck permits: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, Virginia, Oregon, and Alaska. (Refer to Table 3.)

^b Goose hunter statistics do not include brant hunter statistics for coastal states with brant seasons: Connecticut, Delaware, Maryland, Massachusetts, New Jersey, New York, North Carolina, Rhode Island, Virginia, California, Oregon, Washington, and Alaska. (Refer to Table 4.)

^c Hunter number estimates at the flyway and national levels may be biased high because the HIP sample frames are state-specific; therefore hunters are counted twice if they hunt in more than one state. Variance inestimable.

Table 2. Flyway-specific point estimates of duck and goose harvest in Colorado, Montana, New Mexico, and Wyoming during the 2005 and 2006 hunting seasons.

	2005		2006	
	Central Flyway	Pacific Flyway	Central Flyway	Pacific Flyway
Duck Harvest				
Colorado	74,800	24,500	90,500	17,300
Montana	36,400	78,900	29,300	83,500
New Mexico	27,700	5,100	44,200	2,500
Wyoming	25,900	10,000	31,200	14,100
Goose Harvest				
Colorado	80,300	6,800	82,900	4,900
Montana	18,200	20,700	25,500	26,300
New Mexico	5,200	2,300	3,900	800
Wyoming	18,900	1,200	21,200	1,700

Table 3. Preliminary estimates of sea duck harvest and hunter activity for states with special sea duck seasons or sea duck permits during the 2005 and 2006 hunting seasons.

State / Flyway	Sea Duck Harvest ^a		Active Sea Duck Hunters		Sea Duck Hunter Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Connecticut	1,700 ± 73%	300 ± 145%	400 ± 41%	200 ± 137%	1,600 ± 51%	600 ± 145%	4.7 ± 84%	1.5 ± 199%
Delaware	900 ± 73%	1,000 ± 63%	200 ± 56%	200 ± 56%	400 ± 58%	500 ± 51%	4.8 ± 92%	5.0 ± 85%
Maine	13,700 ± 74%	22,200 ± 38%	1,200 ± 47%	2,800 ± 29%	4,000 ± 59%	8,500 ± 45%	11.3 ± 88%	8.0 ± 48%
Maryland	20,400 ± 23%	27,500 ± 39%	4,200 ± 19%	4,100 ± 21%	9,600 ± 30%	12,100 ± 34%	4.9 ± 30%	6.7 ± 44%
Massachusetts	11,800 ± 26%	9,200 ± 24%	1,400 ± 19%	1,200 ± 21%	4,500 ± 21%	4,700 ± 29%	8.6 ± 32%	7.5 ± 32%
New Hampshire	800 ± 61%	1,000 ± 79%	200 ± 42%	200 ± 53%	600 ± 56%	800 ± 96%	4.0 ± 74%	4.7 ± 95%
New Jersey	3,800 ± 43%	1,700 ± 75%	700 ± 31%	500 ± 53%	1,900 ± 35%	1,000 ± 64%	5.6 ± 53%	3.5 ± 91%
New York	8,200 ± 29%	9,100 ± 37%	1,200 ± 25%	1,400 ± 25%	4,900 ± 26%	7,000 ± 35%	6.8 ± 38%	6.3 ± 44%
Rhode Island	4,700 ± 37%	2,700 ± 85%	400 ± 31%	200 ± 75%	2,300 ± 39%	1,000 ± 111%	12.1 ± 48%	11.8 ± 114%
Virginia	7,800 ± 32%	11,100 ± 46%	2,900 ± 25%	2,400 ± 29%	7,600 ± 33%	6,800 ± 49%	2.7 ± 41%	4.7 ± 51%
Atlantic Flyway Total	73,900 ± 17%	85,900 ± 18%			37,500 ± 13%	43,000 ± 17%		
Oregon	---	200 ± 30%	---	<50 ± 19%	---	200 ± 32%	---	5.3 ± 35%
Pacific Flyway	---	200 ± 30%			---	200 ± 32%		
Alaska	5,200 ± 38% ^b	5,600 ± 73% ^b	900 ± 34%	800 ± 38%	3,400 ± 38%	3,700 ± 54%	6.1 ± 51%	7.0 ± 80%
U.S. Total	79,100 ± 16%	91,700 ± 17%			40,800 ± 13%	46,900 ± 16%		

^a Sea ducks include Long-tailed Ducks, Common Eiders, King Eiders, Black Scoters, Whited-winged Scoters, and Surf Scoters.^b In addition to the aforementioned, sea ducks also include Harlequin Ducks, Common Mergansers, and Red-breasted Mergansers in Alaska.

Table 4. Preliminary estimates of Brant harvest and hunter activity along the Atlantic and Pacific coasts during the 2005 and 2006 hunting seasons.

State / Flyway	Brant Harvest		Active Brant Hunters		Brant Hunter Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Connecticut	700 ± 106%	0	300 ± 60%	100 ± 137%	1,500 ± 82%	600 ± 172%	2.6 ± 121%	0
Delaware	1,500 ± 53%	800 ± 47%	300 ± 41%	300 ± 41%	900 ± 46%	900 ± 59%	4.3 ± 68%	2.6 ± 62%
Maryland	1,700 ± 66%	2,300 ± 91%	600 ± 51%	500 ± 56%	2,000 ± 74%	2,000 ± 83%	2.9 ± 84%	4.8 ± 107%
Massachusetts	500 ± 47%	400 ± 51%	400 ± 39%	300 ± 47%	1,300 ± 46%	800 ± 67%	1.4 ± 61%	1.5 ± 69%
New Hampshire	0	0	0	0	0	0	0	0
New Jersey	8,300 ± 21%	5,200 ± 35%	2,100 ± 18%	1,400 ± 27%	6,800 ± 19%	4,500 ± 32%	4.0 ± 27%	3.8 ± 44%
New York	4,700 ± 25%	3,400 ± 29%	1,400 ± 23%	1,300 ± 28%	6,700 ± 36%	5,100 ± 29%	3.3 ± 34%	2.7 ± 40%
North Carolina	6,200 ± 48%	3,600 ± 79%	2,700 ± 40%	1,800 ± 59%	7,100 ± 53%	4,000 ± 66%	2.3 ± 63%	2.0 ± 99%
Rhode Island	700 ± 48%	400 ± 98%	200 ± 49%	100 ± 73%	800 ± 53%	500 ± 106%	3.0 ± 69%	3.5 ± 123%
Virginia	6,100 ± 28%	2,400 ± 34%	2,400 ± 26%	1,400 ± 33%	5,300 ± 26%	3,800 ± 46%	2.5 ± 38%	1.8 ± 47%
Atlantic Flyway Total	30,400 ± 14%	18,500 ± 23%			32,200 ± 16%	22,100 ± 20%		
California	900 ± 74%	2,900 ± 64%	400 ± 99%	1,000 ± 64%	800 ± 79%	2,800 ± 64%	2.3 ± 124%	2.9 ± 91%
Oregon	0	<50 ± 109%	<50 ± 190%	<50 ± 62%	<50 ± 190%	<50 ± 69%	0	2.0 ± 126%
Washington	1,100 ± 62%	900 ± 122%	500 ± 57%	600 ± 97%	1,200 ± 60%	1,100 ± 121%	2.4 ± 84%	1.5 ± 156%
Pacific Flyway Total	2,000 ± 48%	3,800 ± 57%			2,000 ± 47%	3,900 ± 57%		
Alaska	700 ± 65%	1,200 ± 73%	200 ± 50%	300 ± 53%	700 ± 51%	1,700 ± 76%	3.6 ± 82%	3.7 ± 90%
U.S. Total	33,000 ± 13%	23,500 ± 20%			34,900 ± 15%	27,800 ± 18%		

Table 5. Preliminary harvest estimates for special September teal/duck seasons during the 2005 and 2006 hunting seasons.

State	Harvest										Number of	
	Green-winged Teal		Blue-winged/Cinnamon Teal		Wood Duck		Other Ducks		Total Duck Harvest		Wings Received	
	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006
September Teal Season												
Delaware	265	2,167	0	271	0	0	0	0	265	2,438	4	36
Georgia	0	0	3,511	6,395	0	200	0	0	3,511	6,594	14	33
Maryland	943	476	429	1,071	0	0	0	0	1,372	1,547	16	13
North Carolina	1,134	1,485	0	637	0	0	0	0	1,134	2,122	5	10
South Carolina	0	681	2,931	1,362	0	0	0	0	2,931	2,043	15	9
Virginia	78	92	623	275	0	0	0	0	700	366	9	4
Subtotal	2,420	4,901	7,493	10,010	0	200	0	0	9,913	15,111	63	105
Alabama	133	0	4,268	7,804	0	0	0	0	4,401	7,804	33	39
Arkansas	1,252	8,628	22,543	30,983	0	0	0	1,177	23,796	40,788	57	104
Illinois	589	3,619	11,777	14,779	0	0	0	0	12,366	18,399	63	61
Indiana	1,346	1,594	4,712	8,765	0	341	0	0	6,059	10,700	45	94
Louisiana	1,224	7,324	26,628	167,715	0	0	306	0	28,158	175,039	92	478
Mississippi	0	0	907	2,661	0	0	0	0	907	2,661	4	7
Missouri	1,490	3,211	16,202	17,279	0	0	0	0	17,692	20,490	95	134
Ohio	2,898	3,209	4,968	4,560	0	0	0	0	7,866	7,769	38	46
Subtotal	8,933	27,585	92,005	254,547	0	341	306	1,177	101,245	283,650	427	963
Colorado	1,375	1,130	3,896	2,340	0	0	0	0	5,271	3,470	69	43
Kansas	2,200	4,733	10,387	23,664	0	0	0	0	12,586	28,397	103	168
Nebraska	1,243	2,030	5,087	11,167	0	92	0	0	6,330	13,290	56	144
New Mexico	148	1,013	260	2,079	0	0	0	0	408	3,092	11	58
Oklahoma	668	3,429	7,485	10,971	0	0	0	0	8,153	14,400	61	105
Texas	8,025	17,443	89,044	133,622	0	0	0	311	97,069	151,376	254	486
Subtotal	13,660	29,777	116,157	183,844	0	92	0	311	129,817	214,025	554	1,004
Total	25,013	62,263	215,656	448,401	0	634	306	1,488	240,975	512,786	1,044	2,072
September Duck Season												
Florida	0	0	7,864	7,835	1,702	1,726	59	0	9,624	9,561	164	144
Kentucky	0	0	6,958	6,578	2,609	13,156	0	0	9,567	19,733	22	60
Tennessee	327	0	1,308	4,089	7,194	19,763	0	0	8,829	23,852	27	35
Total	327	0	16,130	18,501	11,505	34,645	59	0	28,021	53,146	213	239
U.S. Total	25,340	62,263	231,786	466,903	11,505	35,278	365	1,488	268,996	565,932	1,257	2,311

Table 6. Preliminary estimates of the number of Canada geese harvested during the special September, regular, and special late seasons during the 2005 and 2006 hunting seasons.

State / Flyway	September		Regular		Late		Total	
	2005	2006	2005	2006	2005	2006	2005	2006
Connecticut	6,600	5,900	13,700	7,400	600	700	20,900	14,000
Delaware	2,000	1,100	17,000	11,700	0	0	19,000	12,800
Florida	0	0	0	2,800	---	---	0	2,800
Georgia	12,200	2,700	22,900	12,200	---	---	35,100	14,900
Maine	2,400	2,100	5,400	7,700	---	---	7,800	9,800
Maryland	10,400	12,700	159,600	140,000	0	0	170,000	152,700
Massachusetts	4,300	3,800	4,400	6,200	3,900	3,100	12,600	13,100
New Hampshire	1,700	2,400	3,600	4,300	---	---	5,300	6,700
New Jersey	4,000	7,500	19,200	19,400	1,000	600	24,200	27,500
New York	42,500	52,300	77,500	61,500	0	0	120,000	113,900
North Carolina	26,400	23,600	46,800	19,700	---	---	28,100	43,300
Pennsylvania	71,200	67,600	78,400	76,200	31,300	16,800	180,900	160,600
Rhode Island	200	400	2,800	4,500	100	400	3,100	5,300
South Carolina	6,900	6,800	20,700	20,300	---	---	27,600	27,100
Vermont	4,700	3,400	4,600	4,400	---	---	9,300	7,800
Virginia	10,100	11,100	42,100	21,000	9,200	15,700	61,400	47,800
West Virginia	2,000	1,100	1,900	1,400	---	0	3,900	2,500
Atlantic Flyway Total	207,600	204,300	520,600	420,700	46,100	37,300	774,300	662,500
Alabama	5,300	11,200	11,200	8,400	---	---	16,500	19,700
Arkansas	---	---	20,000	39,900	---	---	20,000	39,900
Illinois	11,800	22,200	90,900	136,100	---	---	102,700	158,200
Indiana	16,500	20,800	41,500	36,400	---	---	58,000	57,200
Iowa	14,800	12,300	63,800	61,600	---	---	78,600	73,900
Kentucky	6,100	1,400	28,900	25,800	---	---	35,000	27,200
Louisiana	---	---	3,000	1,300	---	---	3,000	1,300
Michigan	55,900	79,600	75,300	63,400	10,600	14,300	141,800	157,300
Minnesota	108,700	80,900	90,200	144,000	8,400	15,800	207,300	240,700
Mississippi	2,000	6,700	900	3,300	---	---	2,900	10,000
Missouri	---	---	39,300	70,400	---	---	39,300	70,400
Ohio	30,500	24,500	52,600	53,000	7,000	9,100	90,100	86,600
Tennessee	19,700	2,100	6,700	21,500	---	---	26,400	23,600
Wisconsin	44,900	37,300	62,100	75,300	---	---	107,000	112,600
Mississippi Flyway Total	316,200	299,000	586,400	740,400	26,000	39,300	928,600	1,078,700
Kansas	0	0	99,200	59,600	---	---	99,200	59,600
Nebraska	2,500	300	97,600	56,700	---	---	100,100	57,000
North Dakota	47,800	37,900	85,200	82,500	---	---	133,000	120,400
Oklahoma	2,200	700	27,300	41,800	---	---	29,500	42,400
South Dakota	21,000	32,000	57,800	98,000	---	---	78,800	130,000
Colorado	0	0	6,800	4,900	---	---	6,800	4,900
Oregon	4,700	12,800	56,900	52,500	---	---	61,600	65,300
Washington	3,900	2,000	63,600	68,900	700	700	68,200	71,600
Wyoming	100	300	1,100	1,400	---	---	1,200	1,700

Table 7. Waterfowl harvest estimates in Canada during the 2005 and 2006 hunting seasons (estimates courtesy of the Canadian Wildlife Service).

Duck Species Composition	Newfoundland		Prince Edward Isl.		Nova Scotia		New Brunswick		Quebec		Ontario		Manitoba	
	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006
Mallard	754	753	1,681	1,122	4,544	5,490	4,732	6,389	72,231	72,245	115,284	124,751	87,315	111,026
Black Duck	9,333	16,529	4,560	5,168	16,717	20,630	9,031	11,159	34,472	33,900	15,276	16,644	191	0
Gadwall	0	0	72	103	126	17	244	291	2,498	2,611	3,067	3,767	3,228	5,329
Wigeon	0	0	0	51	794	745	1,265	997	1,641	2,601	8,559	11,479	7,080	3,120
Green-winged Teal	2,557	3,460	2,266	3,644	4,824	4,399	5,163	6,095	22,238	22,863	14,333	15,245	8,820	5,884
Blue-winged/Cinnamon Teal	100	0	749	195	1,111	114	2,201	614	3,532	933	7,469	5,413	4,694	5,824
Northern Shoveler	41	0	0	0	319	76	163	89	829	837	1,097	845	4,055	2,281
Northern Pintail	256	176	313	939	308	90	536	382	4,677	5,067	3,178	4,861	6,653	8,579
Wood Duck	0	121	64	130	1,348	1,285	4,214	3,399	13,407	10,550	48,736	42,226	1,010	1,320
Redhead	147	0	0	0	0	0	253	0	2,494	476	8,499	6,044	15,354	8,626
Canvasback	0	0	0	0	0	0	0	0	0	0	971	3,173	7,563	4,131
Greater Scaup	447	705	0	287	193	191	536	449	1,562	4,002	2,840	3,010	235	0
Lesser Scaup	381	250	304	0	189	172	266	436	3,459	7,219	10,088	16,425	4,683	4,459
Ring-necked Duck	8,169	4,442	1,747	521	1,029	1,512	3,282	2,329	6,630	7,658	17,779	24,939	4,555	7,202
Goldeneyes	1,771	2,481	305	233	1,591	945	1,520	3,208	4,897	2,618	4,848	6,802	3,154	3,321
Bufflehead	0	0	79	0	435	412	328	0	777	498	5,763	9,071	1,520	2,018
Ruddy Duck	0	0	0	0	0	0	66	0	0	151	908	1,473	0	162
Long-tailed Duck	164	287	79	0	737	413	0	0	709	320	37	842	0	0
Eiders	9,959	15,038	127	0	6,150	4,284	415	524	1,407	2,505	0	0	0	0
Scoters	2,391	522	0	0	2,462	2,278	142	146	1,323	3,575	195	692	0	0
Hooded Merganser	241	37	0	0	636	511	352	626	2,536	2,961	3,868	4,482	1,785	455
Other Mergansers	6,183	3,337	64	287	1,367	1,087	107	0	1,332	2,464	866	1,798	0	0
Other Ducks	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Duck Harvest	42,894	48,138	12,410	12,680	44,880	44,651	34,816	37,133	182,651	186,054	273,661	303,982	161,895	173,737
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Goose Species Composition														
Canada Goose	5,516	4,364	16,109	11,245	5,240	4,769	6,866	6,940	103,490	74,358	155,736	174,626	118,545	105,625
Snow Goose	0	0	0	0	0	135	42	0	67,802	79,199	366	1,365	6,699	10,138
Blue Goose	0	131	0	0	0	0	0	0	565	959	25	0	7,340	21,576
Ross's Goose	0	0	0	0	0	0	0	0	0	0	0	0	1,460	2,138
White-fronted Goose	0	0	0	0	0	0	0	0	0	48	0	0	187	0
Brant	0	0	0	0	0	0	0	0	92	119	94	0	0	0
Total Goose Harvest	5,516	4,495	16,109	11,245	5,240	4,904	6,908	6,940	171,949	154,683	156,221	175,991	134,231	139,477
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Migratory Bird Permits Sold	13,569	14,221	1,512	1,474	5,485	5,382	5,556	5,331	28,095	28,034	53,151	54,404	13,834	14,246

Table 7. Waterfowl harvest estimates in Canada during the 2004 and 2005 hunting seasons (estimates courtesy of the Canadian Wildlife Service).

Duck Species Composition	Saskatchewan		Alberta		British Columbia		Nunavut		Northwest Terr.		Yukon Territory		Canada Total	
	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006
Mallard	144,393	174,174	78,798	88,533	33,586	28,928			688	215			544,006	613,626
Black Duck	0	0	0	0	0				0	0			89,580	104,030
Gadwall	15,782	11,053	14,399	10,838	573	929			0	0			39,989	34,938
Wigeon	10,954	9,433	7,961	7,927	8,915	6,809			688	97			47,857	43,259
Green-winged Teal	3,114	4,012	5,268	3,074	2,859	1,152			344	0			71,786	69,828
Blue-winged/Cinnamon Teal	11,464	11,872	8,951	12,237	267	51			0	0			40,538	37,253
Northern Shoveler	13,427	10,863	9,894	9,230	968	303			0	0			30,793	24,524
Northern Pintail	13,450	11,853	10,769	12,527	3,675	2,004			0	39			43,815	46,517
Wood Duck	0	0	0	0	159	113			0	0			68,938	59,144
Redhead	5,690	3,966	3,605	661	130	0			0	0			36,172	19,773
Canvasback	3,716	2,633	826	320	82	15			0	19			13,158	10,291
Greater Scaup	0	0	0	0	0	0			0	19			5,813	8,663
Lesser Scaup	2,520	865	1,777	2,058	120	46			0	97			23,787	32,027
Ring-necked Duck	1,056	813	2,882	2,249	267	125			344	0			47,740	51,790
Goldeneyes	0	129	2,210	2,296	444	152			0	0			20,740	22,185
Bufflehead	0	1,422	4,835	0	342	380			0	38			14,079	13,839
Ruddy Duck	0	0	260	604	25	0			0	0			1,259	2,390
Long-tailed Duck	0	0	0	0	0	0			0	0			1,726	1,862
Eiders	0	0	0	0	0	0			0	0			18,058	22,351
Scoters	0	0	0	0	0	0			0	0			6,513	7,213
Hooded Merganser	282	0	281	0	39	0			0	0			10,020	9,072
Other Mergansers	0	0	0	913	121	0			0	0			10,040	9,886
Other Ducks	0	0	0	0	0	0			0	0			0	0
Total Duck Harvest	225,848	243,088	152,716	153,467	52,572	41,007	0	0	2,064	524	2,293	167	1,188,700	1,244,628
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<u>Goose Species Composition</u>														
Canada Goose	139,825	145,648	149,148	114,988	904	9,420							701,379	651,983
Snow Goose	53,987	77,122	5,534	22,975	6,906	3,094							141,336	194,028
Blue Goose	28,156	51,794	673	223	0								36,759	74,683
Ross's Goose	11,608	24,264	1,263	1,680	0								14,331	28,082
White-fronted Goose	54,376	34,809	19,835	15,838	0	281							74,398	50,976
Brant	0	0	0	0	0								186	119
Total Goose Harvest	287,952	333,637	176,453	155,704	7,810	12,795	0	0	110	19	167	233	968,666	1,000,123
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Migratory Bird Permits Sold	18,558	18,647	19,322	19,403	6,181	5,833	23	20	192	202	204	167	165,687	167,367

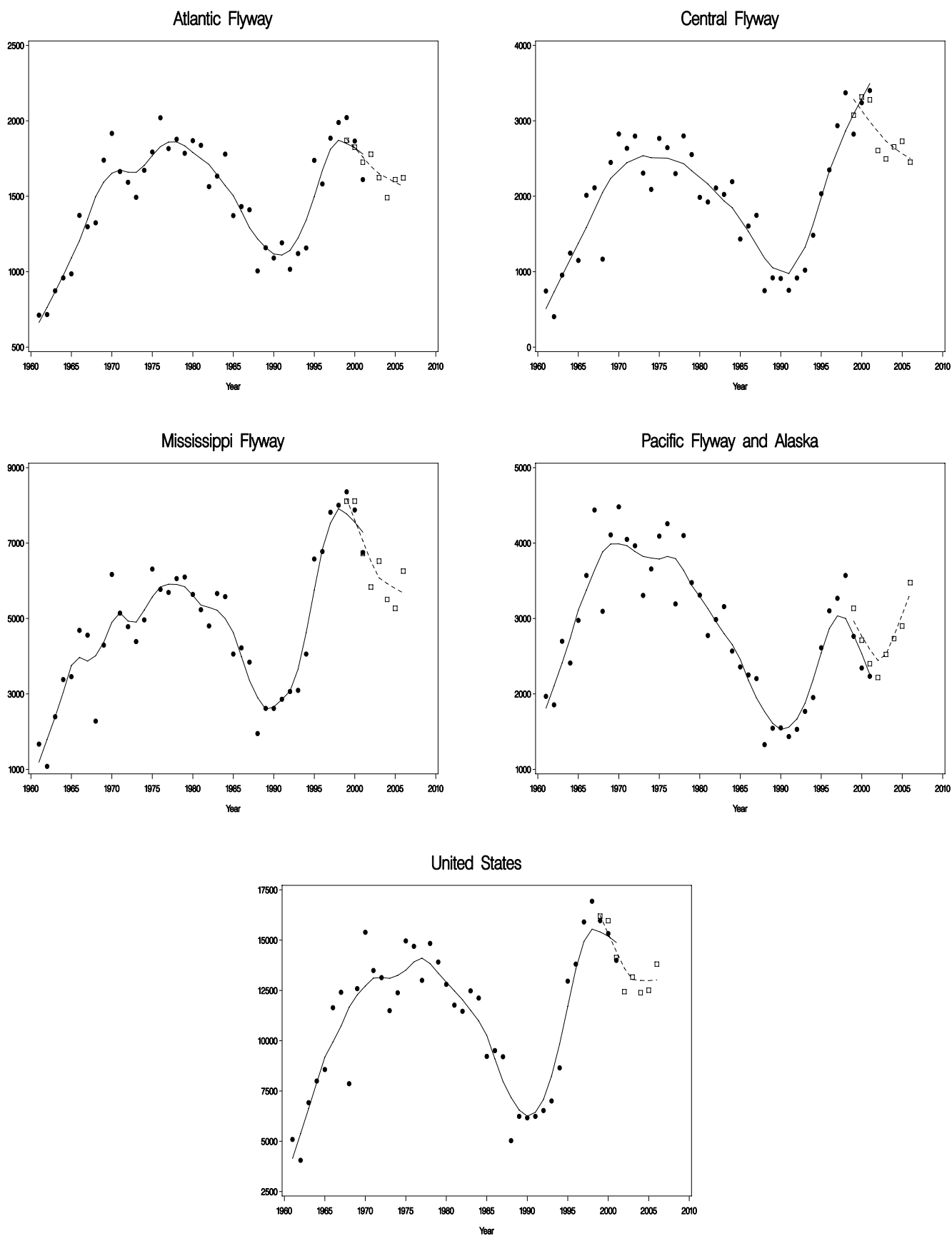


Figure 1. Number of ducks harvested (in thousands) by hunters in the United States, 1961-2006. (Federal Duck Stamp survey - circles and solid line; HIP survey - squares and dashed line.)

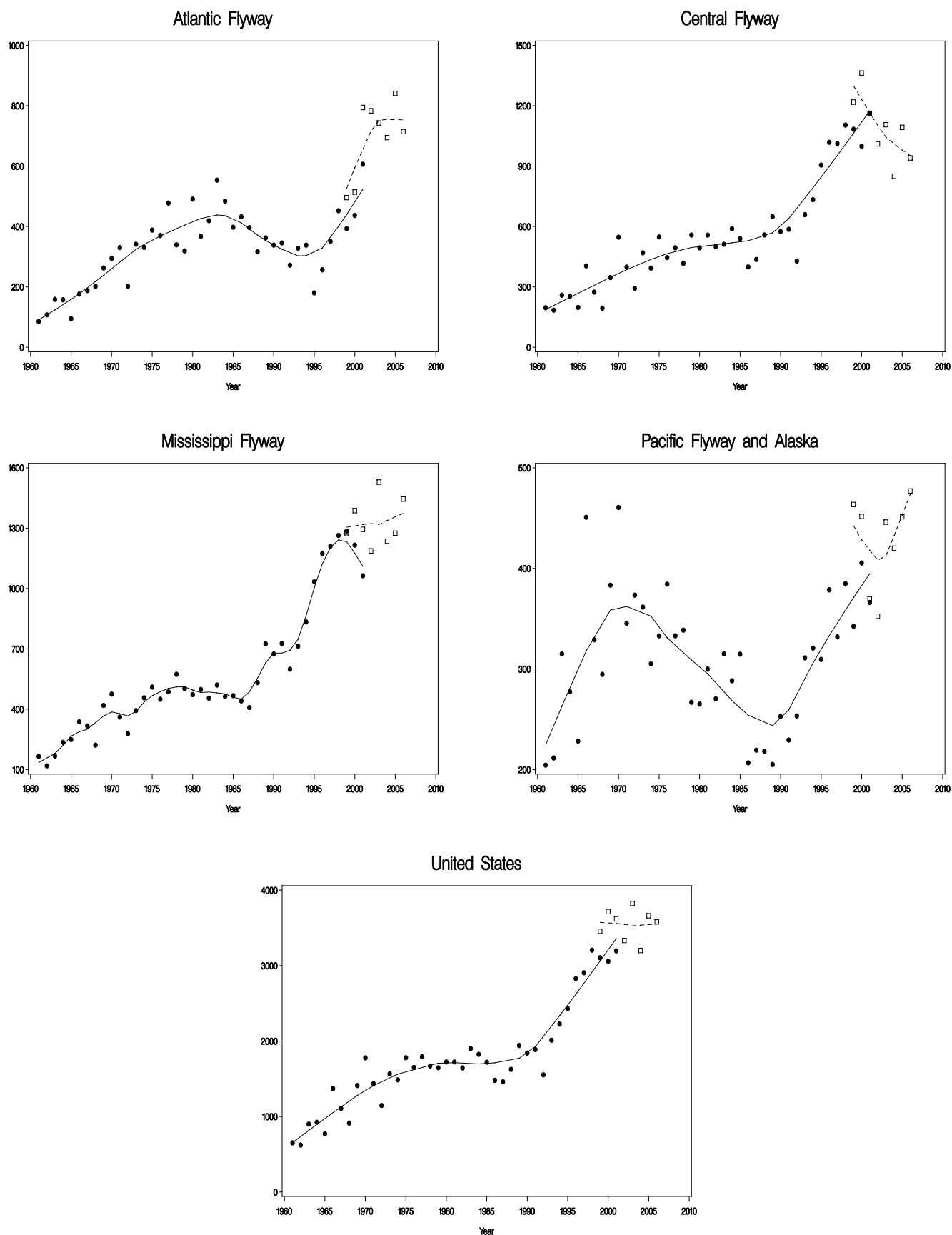


Figure 2. Number of geese harvested (in thousands) by hunters in the United States, 1961-2006. (Federal Duck Stamp survey - circles and solid line; HIP survey - squares and dashed line.)

Table 8. Preliminary age ratios of mallards in state harvests during the 2002-2006 hunting seasons as determined from Waterfowl Parts Collection Survey.

State and Flyway	Immatures per Adult ^a				
	2002	2003	2004	2005	2006
Connecticut	1.2	1.0	1.4	1.5	1.2
Delaware	0.9	1.9	1.8	1.6	1.4
Florida	---	---	---	---	4.0
Georgia	0.6	0.9	1.1	1.5	1.8
Maine	1.1	1.6	1.3	1.9	1.7
Maryland	0.9	1.5	1.7	1.9	1.3
Massachusetts	1.2	1.0	1.2	1.1	1.4
New Hampshire	1.0	1.4	1.9	1.4	1.5
New Jersey	1.0	1.2	1.3	1.3	1.0
New York	1.2	1.4	1.5	1.9	1.8
North Carolina	1.0	1.1	1.5	2.5	1.7
Pennsylvania	0.9	1.0	1.0	1.0	1.0
Rhode Island	0.8	0.7	0.7	0.9	0.7
South Carolina	1.1	1.3	1.7	1.7	2.3
Vermont	1.2	2.1	3.9	1.8	1.8
Virginia	0.7	0.9	0.9	0.9	0.7
West Virginia	0.7	1.1	0.8	1.0	0.6
Atlantic Flyway Total ^b	0.96	1.26	1.37	1.54	1.35
Alabama	0.7	0.9	1.0	1.8	1.1
Arkansas	0.5	0.8	0.8	0.8	0.8
Illinois	1.1	1.9	1.2	2.3	2.0
Indiana	1.2	1.4	1.6	1.4	1.5
Iowa	1.3	2.0	0.9	2.8	1.8
Kentucky	0.8	1.3	0.9	2.0	1.2
Louisiana	0.4	1.0	0.6	2.3	1.2
Michigan	1.7	2.1	1.6	1.7	2.2
Minnesota	1.5	2.8	1.5	2.7	3.0
Mississippi	0.4	0.8	0.5	1.7	0.9
Missouri	0.8	1.7	1.0	2.0	1.4
Ohio	1.4	1.8	1.4	1.3	1.8
Tennessee	0.7	0.9	1.0	2.0	1.5
Wisconsin	1.7	1.8	1.8	2.7	2.8
Mississippi Flyway Total ^b	0.90	1.40	1.03	1.63	1.44

Table 8. Preliminary age ratios of mallards in state harvests during the 2002-2006 hunting seasons as determined from Waterfowl Parts Collection Survey.

State and Flyway	Immatures per Adult ^a				
	2002	2003	2004	2005	2006
Colorado	0.5	0.9	0.7	1.0	0.7
Kansas	0.5	0.7	0.6	1.1	0.8
Montana	0.6	0.8	0.6	0.9	1.0
Nebraska	0.7	0.8	0.5	1.1	1.0
New Mexico	0.9	1.1	1.2	1.9	0.8
North Dakota	0.9	1.4	1.2	2.6	2.4
Oklahoma	0.3	0.5	0.6	0.5	0.6
South Dakota	1.0	1.3	1.2	2.0	1.6
Texas	0.3	0.4	0.5	1.0	0.7
Wyoming	0.4	0.9	0.6	0.8	0.9
Central Flyway Total ^b	0.58	0.87	0.74	1.26	1.05
Arizona	0.8	1.4	1.1	1.7	1.6
California	1.5	2.4	1.9	3.0	2.5
Colorado	1.1	1.2	1.6	2.0	1.8
Idaho	1.0	1.4	1.2	1.6	1.5
Montana	0.7	0.9	0.8	0.9	1.0
Nevada	1.6	1.8	1.5	2.5	2.1
New Mexico	0.7	1.0	1.6	0.9	0.1
Oregon	1.4	1.4	1.3	1.9	2.1
Utah	1.2	1.5	1.6	2.2	1.5
Washington	1.0	1.1	1.2	1.6	1.5
Wyoming	1.3	1.8	1.3	2.9	2.4
Pacific Flyway Total ^b	1.17	1.51	1.43	1.98	1.82
Alaska	3.0	4.1	4.8	5.5	2.2
U.S. Total ^b	0.87	1.29	1.06	1.62	1.45

^a Ratio not shown if based on a sample of less than 20 wings.

^b In estimating Flyway and U.S. ratios, the ratio for each state was weighted in proportion to the estimated harvest in that state as determined from the Harvest Information Program Waterfowl Harvest Survey.

Table 9. Preliminary weighted age ratios of ducks harvest during during the 2002-2006 hunting seasons, by species and Flyway.

Species and Flyway	Immatures per Adult ^{a,b}				
	2002	2003	2004	2005	2006
Mallard					
Atlantic	0.96	1.26	1.37	1.54	1.35
Mississippi	0.90	1.40	1.03	1.63	1.44
Central	0.58	0.87	0.74	1.26	1.05
Pacific	1.17	1.51	1.43	1.98	1.82
U.S. Total	0.87	1.29	1.06	1.62	1.45
Black duck					
Atlantic	1.07	1.12	0.87	1.56	1.39
Mississippi	1.01	1.11	1.20	1.63	1.69
U.S. Total	1.05	1.11	0.97	1.58	1.47
Mottled duck					
Atlantic	1.02	1.31	1.18	1.30	1.67
Mississippi	0.88	1.63	0.92	2.63	1.82
Central	1.00	1.82	1.40	0.85	1.91
U.S. Total	0.94	1.60	1.07	1.60	1.80
Gadwall					
Atlantic	0.52	0.86	0.73	1.30	1.35
Mississippi	0.68	1.23	0.93	1.81	1.39
Central	0.80	1.62	0.92	1.17	0.94
Pacific	1.01	1.41	0.96	1.78	1.13
U.S. Total	0.74	1.34	0.93	1.52	1.19
American wigeon					
Atlantic	0.92	0.90	0.75	0.84	1.95
Mississippi	1.31	1.31	1.30	1.85	2.62
Central	0.88	1.34	0.80	0.80	0.83
Pacific	1.67	1.11	1.23	2.05	1.38
U.S. Total	1.30	1.21	1.09	1.48	1.40
Green-winged teal					
Atlantic	1.85	1.83	1.30	1.67	2.00
Mississippi	2.13	1.91	1.07	1.96	2.30
Central	1.78	2.10	1.82	1.37	1.97
Pacific	1.40	1.14	1.28	1.74	1.45
U.S. Total	1.81	1.71	1.29	1.72	1.89
Blue-winged/Cinnamon teal					
Atlantic	0.80	1.29	0.88	1.36	1.39
Mississippi	1.96	1.95	1.34	2.47	1.75
Central	1.90	2.69	1.57	2.28	2.10
Pacific	1.13	1.50	0.87	1.41	1.07
U.S. Total	1.74	2.04	1.29	2.09	1.74

Table 9. Preliminary weighted age ratios of ducks harvest duirng during the 2002-2006 hunting seasons, by species and Flyway.

Species and Flyway	Immatures per Adult ^{a,b}				
	2002	2003	2004	2005	2006
Northern shoveler					
Atlantic	0.79	1.30	0.83	2.87	1.55
Mississippi	1.05	1.74	1.15	1.94	1.80
Central	1.57	3.07	1.37	1.84	2.02
Pacific	0.86	1.11	1.09	2.05	1.40
U.S. Total	1.07	1.63	1.16	1.99	1.62
Northern pintail					
Atlantic	1.34	2.29	0.76	2.07	1.66
Mississippi	1.79	2.49	1.03	1.29	1.28
Central	1.06	1.53	1.06	1.27	0.94
Pacific	0.95	0.97	0.69	1.38	0.98
U.S. Total	1.27	1.54	0.89	1.38	1.09
Wood duck					
Atlantic	1.15	1.59	1.28	1.27	0.99
Mississippi	1.67	1.65	1.53	1.32	1.61
Central	1.03	1.07	1.36	1.01	1.08
Pacific	1.25	1.57	2.39	2.41	2.06
U.S. Total	1.43	1.58	1.47	1.32	1.37
Redhead					
Atlantic	0.10	0.54	0.29	2.18	1.47
Mississippi	0.21	1.58	0.80	3.15	2.32
Central	0.24	1.64	0.81	2.63	2.13
Pacific	1.10	1.69	1.54	2.11	1.50
U.S. Total	0.30	1.53	0.89	2.70	2.07
Canvasback					
Atlantic	---	0.56	0.36	1.53	1.96
Mississippi	---	1.11	0.31	1.07	2.57
Central	---	1.51	0.73	3.02	1.71
Pacific	---	1.02	0.65	3.23	1.30
U.S. Total	---	1.07	0.50	1.67	1.91
Greater scaup					
Atlantic	1.65	0.98	2.06	0.87	1.81
Mississippi	2.87	1.37	3.05	2.58	1.80
Central	3.31	---	8.65	---	---
Pacific	0.94	0.72	1.71	1.06	0.56
U.S. Total	1.82	0.96	2.39	1.49	1.33

Table 9. Preliminary weighted age ratios of ducks harvest during during the 2002-2006 hunting seasons, by species and Flyway.

Species and Flyway	Immatures per Adult ^{a,b}				
	2002	2003	2004	2005	2006
Lesser scaup					
Atlantic	0.47	0.77	0.37	0.50	0.85
Mississippi	0.85	1.33	0.89	0.57	1.79
Central	1.35	0.95	1.16	0.54	1.13
Pacific	1.66	1.58	1.74	2.11	1.77
U.S. Total	0.88	1.16	0.92	0.63	1.39
Ring-necked duck					
Atlantic	1.12	1.17	1.02	2.63	1.93
Mississippi	1.47	2.08	1.44	1.71	2.30
Central	0.81	0.82	1.70	0.93	0.95
Pacific	1.27	1.44	1.46	1.91	1.59
U.S. Total	1.25	1.52	1.40	1.71	1.86
Common goldeneye					
Atlantic	0.91	0.67	0.71	0.54	0.79
Mississippi	0.99	1.19	0.60	1.17	1.16
Central	1.05	0.66	0.62	1.50	1.15
Pacific	1.11	0.71	0.78	0.80	0.98
U.S. Total	1.08	0.81	0.71	0.88	1.02
Bufflehead					
Atlantic	1.29	0.78	0.68	0.88	0.97
Mississippi	0.98	1.50	1.27	0.76	1.07
Central	0.83	0.29	1.09	1.20	0.70
Pacific	1.14	0.93	1.18	1.13	0.78
U.S. Total	1.09	1.01	1.01	0.93	0.95
Ruddy duck					
Atlantic	0.25	1.49	1.33	3.08	3.62
Mississippi	---	1.41	2.19	4.11	4.40
Central	---	---	---	---	4.31
Pacific	0.64	1.10	0.64	1.80	1.26
U.S. Total	0.52	1.39	1.23	2.62	3.18
Hooded merganser					
Atlantic	0.81	0.77	0.92	1.00	0.78
Mississippi	0.76	1.09	1.05	1.56	0.93
Central	0.69	1.17	0.46	1.77	1.42
Pacific	1.57	2.54	1.05	1.24	1.00
U.S. Total	0.79	1.03	0.95	1.29	0.88

Table 9. Preliminary weighted age ratios of ducks harvest during during the 2002-2006 hunting seasons, by species and Flyway.

Species and Flyway	Immatures per Adult ^{a,b}				
	2002	2003	2004	2005	2006
Common merganser					
Atlantic	1.40	1.76	1.23	1.39	1.04
Mississippi	0.70	---	---	---	---
Central	0.62	---	0.77	---	---
Pacific	0.78	0.78	0.84	0.92	0.93
U.S. Total	0.97	1.52	1.31	1.40	1.38
Red-breasted merganser					
Atlantic	0.88	1.06	0.46	0.91	0.96
U.S. Total	0.89	1.09	0.31	0.89	1.11
Long-tailed duck					
Atlantic	0.48	0.53	0.30	0.52	0.76
U.S. Total	0.53	0.67	0.56	0.54	0.87
Common eider					
Atlantic	0.28	0.26	0.18	0.10	0.06
U.S. Total	0.50	0.26	0.18	0.10	0.06
Black scoter					
Atlantic	0.62	0.92	0.31	0.34	1.37
U.S. Total	0.77	1.03	0.46	0.48	1.54
White-winged scoter					
Atlantic	1.61	2.55	0.13	0.65	2.21
U.S. Total	1.76	2.36	0.67	1.25	2.95
Surf scoter					
Atlantic	0.75	1.13	0.24	0.25	0.36
U.S. Total	0.90	1.21	0.31	0.34	0.38

^a Ratio not shown if based on a sample of less than 20 wings.

^b In estimating Flyway and U.S. ratios, the ratio for each state was weighted in proportion to the estimated harvest in that state as determined from the Harvest Information Program Waterfowl Harvest Survey.

Table 10. Preliminary sex ratios of mallards in state harvests during the 2002-2006 hunting seasons as determined from Waterfowl Parts Collection Survey.

State and Flyway	Males per Female ^a				
	2002	2003	2004	2005	2006
Connecticut	2.7	2.5	2.1	2.2	2.2
Delaware	1.6	1.6	1.5	1.6	1.6
Florida	---	---	---	---	3.0
Georgia	2.4	1.6	1.6	0.7	2.2
Maine	1.6	1.7	1.6	1.5	1.7
Maryland	2.2	2.1	2.0	1.8	1.9
Massachusetts	1.5	2.4	1.9	2.1	1.7
New Hampshire	1.6	1.4	1.6	1.4	1.3
New Jersey	2.1	2.1	1.8	2.2	1.7
New York	2.0	1.9	1.9	1.9	1.9
North Carolina	1.8	1.9	1.7	2.6	2.2
Pennsylvania	2.3	2.2	2.0	2.3	2.1
Rhode Island	2.4	2.8	2.5	2.0	2.7
South Carolina	2.5	2.3	2.2	2.6	2.0
Vermont	1.6	2.2	1.3	1.6	1.7
Virginia	1.9	2.0	2.2	1.9	2.2
West Virginia	2.6	2.8	2.5	1.4	2.0
Atlantic Flyway Total ^b	2.04	2.02	1.91	2.00	1.96
Alabama	1.7	1.9	2.6	1.6	2.0
Arkansas	2.9	3.2	3.3	3.1	3.2
Illinois	3.0	2.8	2.7	2.5	2.1
Indiana	2.0	2.0	1.6	2.3	2.6
Iowa	1.9	2.4	3.1	2.3	2.3
Kentucky	2.0	2.1	2.4	2.7	2.8
Louisiana	2.3	2.1	2.5	1.5	1.6
Michigan	1.8	2.0	2.1	2.3	2.1
Minnesota	1.7	1.7	1.5	1.8	2.2
Mississippi	2.5	2.7	3.2	2.3	4.2
Missouri	2.9	2.3	2.7	2.5	2.8
Ohio	1.8	1.6	2.2	1.8	2.6
Tennessee	2.4	2.2	2.6	2.2	2.2
Wisconsin	1.6	1.5	2.0	1.8	2.0
Mississippi Flyway Total ^b	2.20	2.25	2.51	2.35	2.51

Table 10. Preliminary sex ratios of mallards in state harvests during the 2002-2006 hunting seasons as determined from Waterfowl Parts Collection Survey.

State and Flyway	Males per Female ^a				
	2002	2003	2004	2005	2006
Colorado	3.0	3.3	3.0	2.9	3.4
Kansas	6.1	6.4	5.8	5.6	3.8
Montana	3.7	4.4	3.4	3.8	4.7
Nebraska	4.1	4.3	4.3	4.6	4.0
New Mexico	2.2	2.2	2.4	2.1	3.5
North Dakota	2.5	2.6	2.5	2.5	3.2
Oklahoma	3.4	3.2	4.0	3.7	3.6
South Dakota	3.1	3.3	3.8	3.2	4.1
Texas	2.8	2.7	3.1	2.2	2.8
Wyoming	4.2	4.8	7.0	4.1	7.1
Central Flyway Total ^b	3.15	3.30	3.51	3.06	3.52
Arizona	1.7	1.1	1.4	1.4	1.9
California	2.4	2.0	2.7	2.5	2.1
Colorado	3.6	5.8	3.0	2.4	3.6
Idaho	2.3	2.6	3.5	2.8	2.7
Montana	2.4	3.1	3.4	3.6	3.5
Nevada	2.1	1.8	2.0	1.8	2.8
New Mexico	2.0	2.4	2.9	2.1	2.3
Oregon	1.9	2.0	1.8	1.8	1.9
Utah	1.8	1.9	2.1	2.2	2.2
Washington	2.2	2.4	2.6	2.0	2.1
Wyoming	2.0	1.8	1.6	2.2	2.9
Pacific Flyway Total ^b	2.20	2.23	2.60	2.30	2.19
Alaska	1.2	1.1	0.9	1.1	1.5
U.S. Total ^b	2.33	2.37	2.62	2.40	2.47

^a Ratio not shown if based on a sample of less than 20 wings.

^b In estimating Flyway and U.S. ratios, the ratio for each state was weighted in proportion to the estimated harvest in that state as determined from the Harvest Information Program Waterfowl Harvest Survey.

Table 11. Preliminary weighted sex ratios of ducks harvested during the 2002-2006 hunting seasons, by species and Flyway.

Species and Flyway	Males per Female ^{a,b}				
	2002	2003	2004	2005	2006
Mallard					
Atlantic	2.04	2.02	1.91	2.00	1.96
Mississippi	2.20	2.25	2.51	2.35	2.51
Central	3.15	3.30	3.51	3.06	3.52
Pacific	2.20	2.23	2.60	2.30	2.19
U.S. Total	2.33	2.37	2.62	2.40	2.47
Black duck					
Atlantic	1.06	0.99	1.21	1.23	1.17
Mississippi	1.07	1.24	1.82	1.31	0.69
U.S. Total	1.07	1.05	1.37	1.25	1.01
Mottled duck					
Atlantic	0.79	0.63	0.85	0.81	0.92
Mississippi	0.84	0.73	0.64	0.71	0.94
Central	1.00	1.15	1.27	1.57	1.13
U.S. Total	0.85	0.77	0.80	0.90	0.96
Gadwall					
Atlantic	1.68	1.91	1.81	1.38	1.52
Mississippi	1.67	1.83	1.72	1.73	1.79
Central	1.57	1.52	1.65	1.54	1.78
Pacific	1.70	1.72	1.97	1.50	1.54
U.S. Total	1.64	1.72	1.73	1.62	1.74
American wigeon					
Atlantic	1.78	1.73	1.64	1.60	1.56
Mississippi	1.59	1.55	1.27	1.65	1.45
Central	1.71	1.52	1.79	1.73	1.92
Pacific	1.45	1.66	1.70	1.50	1.48
U.S. Total	1.57	1.60	1.61	1.58	1.57
Green-winged teal					
Atlantic	1.16	1.24	1.26	1.34	1.26
Mississippi	1.50	1.61	1.70	2.12	1.88
Central	1.46	1.61	1.56	1.93	1.82
Pacific	1.68	1.74	1.63	1.59	1.59
U.S. Total	1.48	1.59	1.59	1.79	1.69
Blue-winged/Cinnamon teal					
Atlantic	1.39	1.41	1.60	1.32	1.31
Mississippi	1.06	1.09	1.14	1.16	1.33
Central	1.16	1.15	1.31	1.41	1.29
Pacific	1.24	1.27	1.88	1.21	1.27
U.S. Total	1.12	1.13	1.29	1.26	1.31

Table 11. Preliminary weighted sex ratios of ducks harvested during the 2002-2006 hunting seasons, by species and Flyway.

Species and Flyway	Males per Female ^{a,b}				
	2002	2003	2004	2005	2006
Northern shoveler					
Atlantic	1.58	1.43	1.72	1.51	1.13
Mississippi	1.96	1.51	1.69	1.50	1.78
Central	1.30	1.24	1.53	1.44	1.39
Pacific	1.94	1.84	1.85	1.70	1.50
U.S. Total	1.73	1.54	1.72	1.54	1.56
Northern pintail					
Atlantic	1.35	1.36	1.31	1.59	1.29
Mississippi	1.80	1.73	2.05	1.98	2.52
Central	2.18	1.63	2.09	2.60	2.34
Pacific	2.67	2.57	3.62	2.54	2.79
U.S. Total	2.06	1.93	2.53	2.31	2.48
Wood duck					
Atlantic	1.85	1.92	1.84	1.88	2.05
Mississippi	1.55	1.78	1.72	1.88	1.76
Central	2.06	1.78	2.17	2.17	1.50
Pacific	1.42	1.35	1.46	1.75	1.51
U.S. Total	1.66	1.80	1.76	1.89	1.81
Redhead					
Atlantic	1.07	1.96	1.59	1.10	1.23
Mississippi	1.53	1.18	1.33	1.61	1.50
Central	1.47	1.28	2.23	1.43	1.26
Pacific	0.93	1.51	1.85	1.47	1.77
U.S. Total	1.38	1.32	1.73	1.47	1.42
Canvasback					
Atlantic	---	1.66	3.21	1.10	2.01
Mississippi	---	2.19	1.03	1.34	1.89
Central	---	0.84	1.11	1.46	1.63
Pacific	---	1.45	1.42	0.88	1.02
U.S. Total	---	1.45	1.46	1.27	1.52
Greater scaup					
Atlantic	1.09	1.23	0.91	1.13	1.13
Mississippi	1.22	1.35	0.79	1.13	1.06
Central	1.50	---	1.06	1.36	0.93
Pacific	1.77	1.28	1.67	2.42	1.22
U.S. Total	1.32	1.27	1.05	1.32	1.10

Table 11. Preliminary weighted sex ratios of ducks harvested during the 2002-2006 hunting seasons, by species and Flyway.

Species and Flyway	Males per Female ^{a,b}				
	2002	2003	2004	2005	2006
Lesser scaup					
Atlantic	2.41	2.01	2.35	2.57	2.14
Mississippi	1.73	1.83	1.64	2.56	1.53
Central	1.59	1.21	1.71	2.80	1.45
Pacific	1.45	1.37	1.48	1.54	1.83
U.S. Total	1.78	1.67	1.73	2.43	1.65
Ring-necked duck					
Atlantic	1.61	2.14	1.67	1.58	1.62
Mississippi	2.11	1.58	2.05	1.77	1.71
Central	2.76	2.49	1.62	2.18	2.27
Pacific	1.40	1.69	1.38	1.79	1.61
U.S. Total	2.00	1.82	1.81	1.78	1.74
Common goldeneye					
Atlantic	1.24	1.11	1.08	2.05	1.69
Mississippi	1.04	1.50	2.09	1.23	1.61
Central	1.85	2.00	1.17	2.13	2.31
Pacific	1.86	1.19	1.62	2.47	1.37
U.S. Total	1.36	1.33	1.58	1.80	1.53
Bufflehead					
Atlantic	1.47	1.58	2.26	1.53	1.66
Mississippi	1.39	1.13	1.35	1.35	2.17
Central	1.47	1.49	0.92	1.36	1.88
Pacific	1.21	1.57	1.17	1.69	1.84
U.S. Total	1.39	1.36	1.46	1.48	1.90
Hooded merganser					
Atlantic	2.20	2.01	1.74	3.14	1.59
Mississippi	3.39	2.51	1.42	4.49	3.04
Central	1.62	3.14	1.16	2.12	2.04
Pacific	---	1.14	2.17	1.39	1.13
U.S. Total	2.64	2.29	1.51	3.24	2.07
Common merganser					
Atlantic	0.82	0.81	0.70	0.78	0.63
Mississippi	0.70	1.19	---	---	1.44
Central	1.17	1.73	0.63	---	0.51
Pacific	1.40	1.10	1.53	2.00	1.06
U.S. Total	0.87	1.06	0.86	1.46	0.83

Table 11. Preliminary weighted sex ratios of ducks harvested during the 2002-2006 hunting seasons, by species and Flyway.

Species and Flyway	Male per Female ^{a,b}				
	2002	2003	2004	2005	2006
Red-breasted merganser					
Atlantic	1.34	1.18	1.72	1.40	1.56
U.S. Total	0.85	1.11	1.20	1.10	1.56
Long-tailed duck					
Atlantic	1.67	4.61	2.08	2.33	5.02
U.S. Total	1.65	3.91	1.84	2.33	3.78
Common eider					
Atlantic	2.98	1.93	2.33	2.80	2.69
U.S. Total	2.70	1.93	2.33	2.80	2.69
Black scoter					
Atlantic	2.75	1.23	2.84	2.04	3.53
U.S. Total	2.48	1.27	2.92	1.87	2.70
White-winged scoter					
Atlantic	1.13	1.07	2.64	2.41	1.00
U.S. Total	1.17	1.02	1.62	1.97	0.84
Surf scoter					
Atlantic	1.39	1.05	1.44	1.74	2.13
U.S. Total	1.30	1.04	1.37	1.86	1.94

^a Ratio not shown if based on a sample of less than 20 wings.

^b In estimating Flyway and U.S. ratios, the ratio for each state was weighted in proportion to the estimated harvest in that state as determined from the Harvest Information Program Waterfowl Harvest Survey.

Table 12. Preliminary weighted age ratios of geese harvested during the 2002-2006 hunting seasons, by species and Flyway.

Species and Flyway	Immatures per Adult ^{a,b}				
	2002	2003	2004	2005	2006
Canada goose					
Atlantic	0.40	0.56	0.46	0.62	0.53
Mississippi	0.61	0.55	0.38	0.52	0.54
Central	0.45	0.53	0.40	0.54	0.47
Pacific	0.51	0.71	0.61	0.47	0.45
U.S. Total	0.50	0.56	0.43	0.54	0.51
Snow goose					
Atlantic	0.27	1.13	1.02	0.81	0.53
Mississippi	0.32	0.72	0.15	0.39	0.75
Central	0.31	0.43	0.20	0.41	0.49
Pacific	0.42	0.86	0.51	1.36	0.70
U.S. Total	0.32	0.62	0.26	0.52	0.60
Blue goose					
Mississippi	0.10	0.86	0.31	0.48	0.62
Central	0.21	0.58	0.17	0.81	0.53
U.S. Total	0.28	0.76	0.26	0.59	0.58
Ross' goose					
Central	0.98	2.22	0.34	1.55	1.37
Pacific	0.69	1.25	0.24	0.91	0.90
U.S. Total	0.95	1.93	0.35	1.60	1.79
Greater white-fronted goose					
Mississippi	0.49	0.82	0.44	0.58	0.91
Central	0.50	1.27	0.65	0.81	1.16
Pacific	0.32	0.53	0.72	1.16	0.86
U.S. Total	0.47	0.92	0.55	0.77	0.97
Brant					
Atlantic	0.11	0.54	0.32	0.15	0.27
Pacific	---	---	1.28	1.16	0.39

^a Ratio not shown if based on a sample of less than 20 tails/wings.

^b In estimating Flyway and U.S. ratios, the ratio for each state was weighted in proportion to the estimated harvest in that state as determined from the Harvest Information Program Waterfowl Harvest Survey.

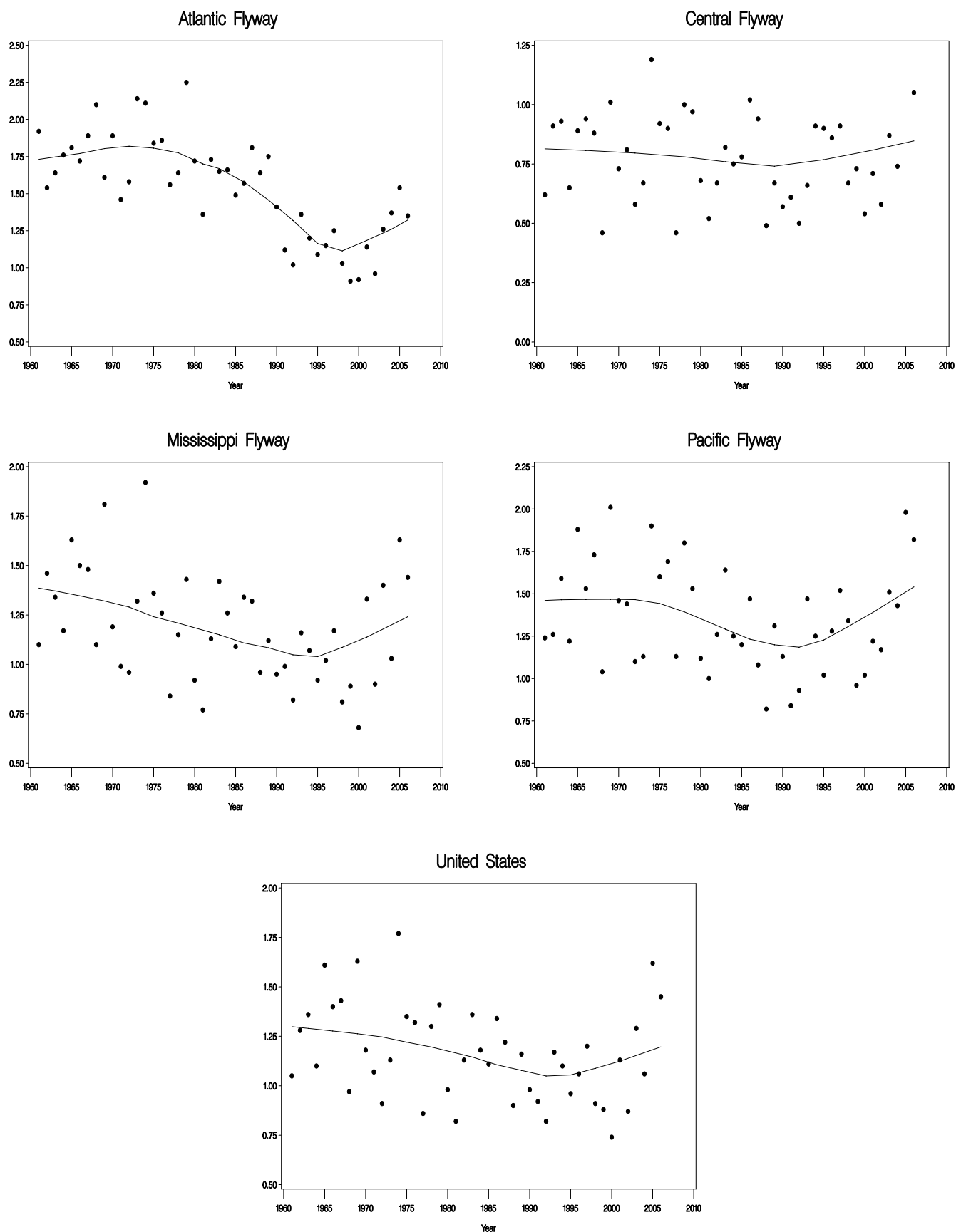


Figure 3. Age ratios of mallards in the United States, 1961-2006.

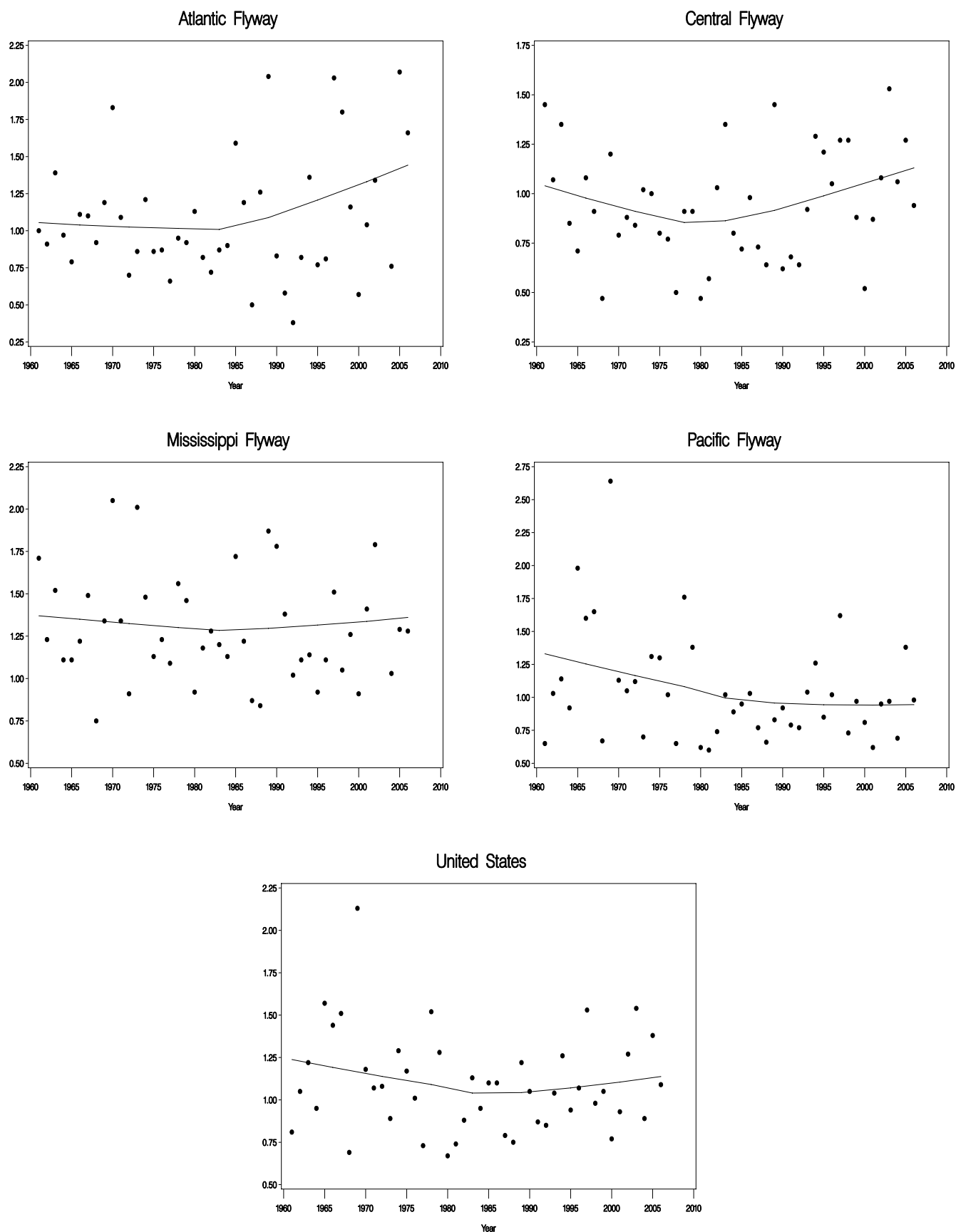


Figure 4. Age ratios of Northern pintails harvested in the United States, 1961-2006.

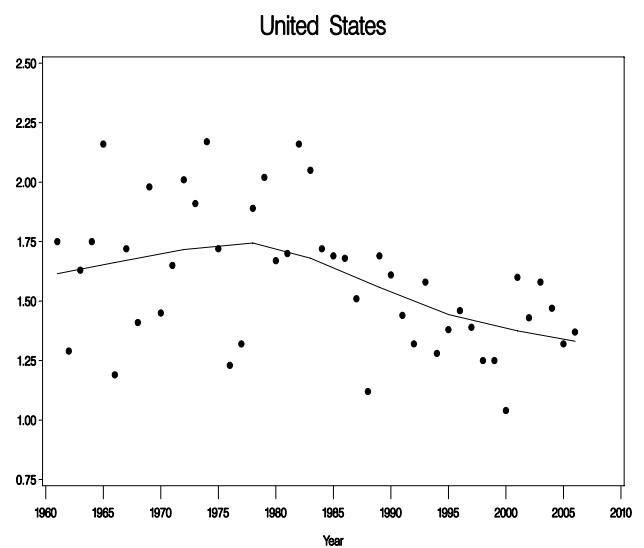
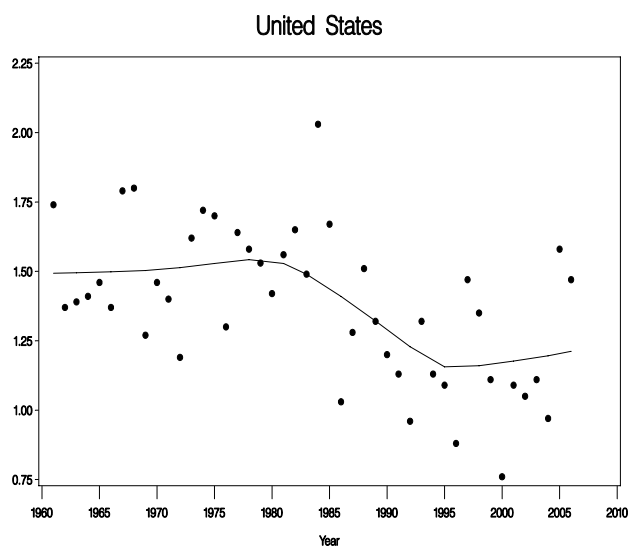
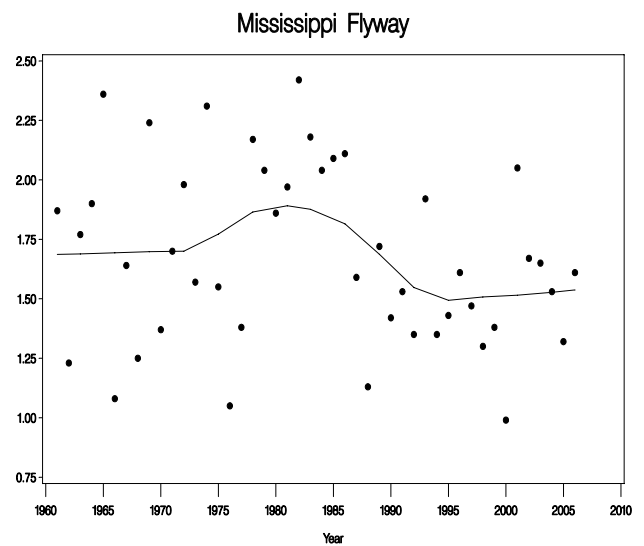
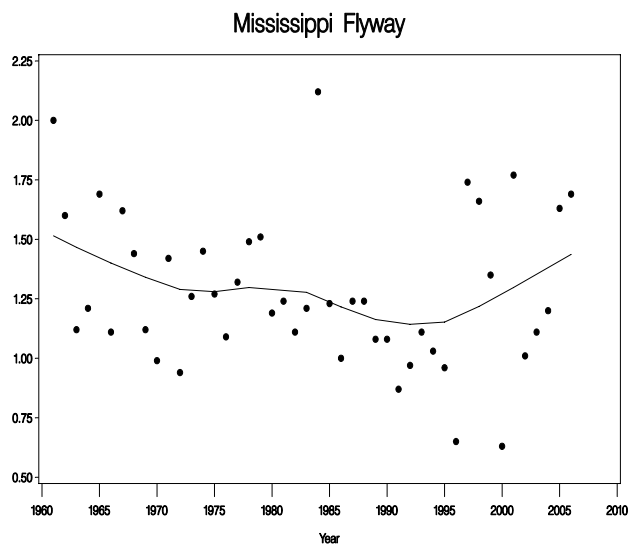
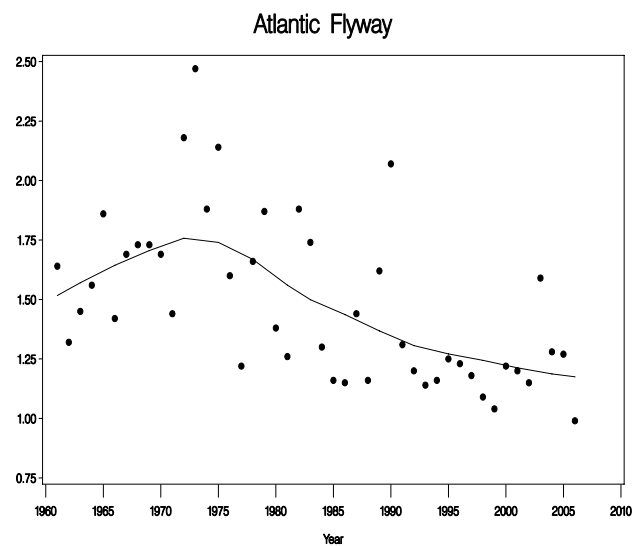
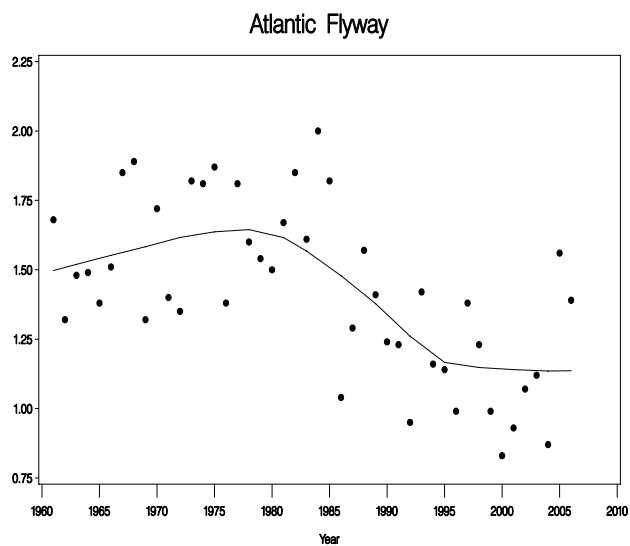


Figure 5. Age ratios of American black ducks (left column) and wood ducks (right column) harvested in the United States, 1961-2006.

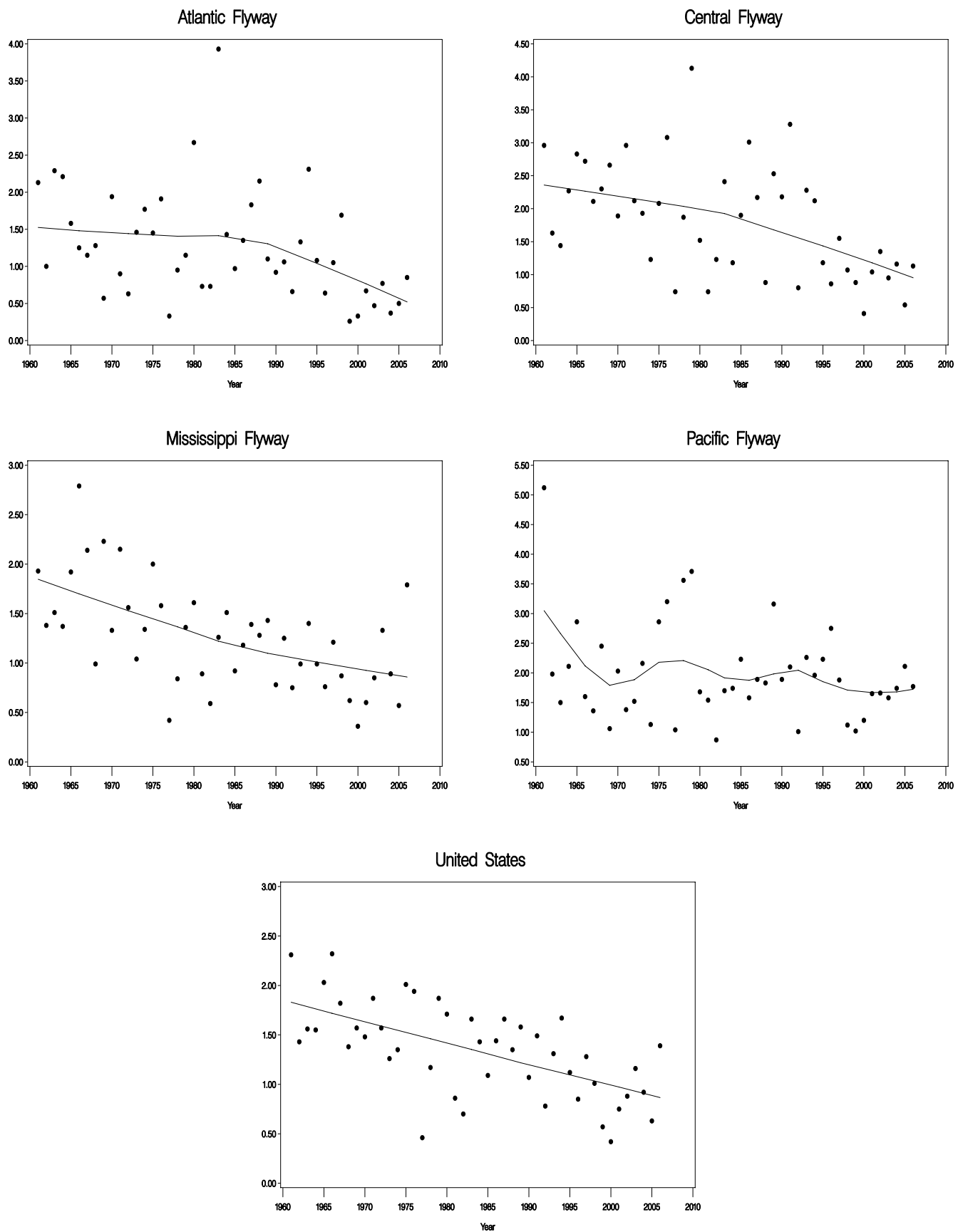


Figure 6. Age ratios of lesser scaup harvested in the United States, 1961-2006.

Table 13. Preliminary estimates of mourning dove harvest and hunter activity during the 2005 and 2006 hunting seasons.

State and Management Unit	Mourning Dove Harvest		Active Hunters		Mourning Dove Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Alabama	1,252,600 ± 16%	1,015,300 ± 20%	63,200 ± 7%	56,300 ± 12%	168,800 ± 13%	141,800 ± 17%	19.8 ± 18%	18.0 ± 23%
Delaware	54,200 ± 39%	39,400 ± 20%	3,000 ± 21%	2,400 ± 19%	8,700 ± 34%	7,000 ± 24%	17.8 ± 45%	16.1 ± 28%
Florida	341,800 ± 24%	298,800 ± 24%	19,200 ± 17%	15,900 ± 19%	63,000 ± 19%	53,600 ± 21%	17.8 ± 29%	18.8 ± 31%
Georgia	757,200 ± 20%	851,500 ± 22%	39,200 ± 14%	38,600 ± 14%	116,500 ± 18%	120,200 ± 20%	19.3 ± 24%	22.1 ± 26%
Illinois	798,800 ± 14%	948,700 ± 13%	37,600 ± 8%	40,500 ± 10%	121,300 ± 11%	129,200 ± 15%	21.2 ± 16%	23.4 ± 17%
Indiana	371,900 ± 25%	190,500 ± 23%	18,400 ± 13%	13,200 ± 18%	66,600 ± 18%	40,200 ± 22%	20.3 ± 29%	14.5 ± 29%
Kentucky	703,100 ± 41%	491,300 ± 24%	29,700 ± 17%	20,700 ± 19%	89,400 ± 36%	64,000 ± 28%	23.7 ± 45%	23.8 ± 31%
Louisiana	445,900 ± 26%	373,700 ± 23%	23,800 ± 23%	22,700 ± 19%	88,400 ± 35%	65,800 ± 24%	18.8 ± 34%	16.5 ± 30%
Maryland	241,700 ± 35%	162,700 ± 28%	10,800 ± 20%	9,300 ± 19%	41,900 ± 28%	29,500 ± 25%	22.3 ± 40%	17.6 ± 34%
Mississippi	455,900 ± 32%	492,800 ± 21%	24,100 ± 21%	23,000 ± 15%	66,400 ± 32%	60,100 ± 18%	19.0 ± 38%	21.5 ± 26%
North Carolina	741,800 ± 20%	861,500 ± 19%	46,000 ± 15%	40,400 ± 14%	130,400 ± 20%	125,500 ± 16%	16.1 ± 25%	21.3 ± 24%
Ohio	488,800 ± 39%	284,400 ± 20%	19,100 ± 21%	14,300 ± 19%	85,700 ± 26%	70,000 ± 26%	25.6 ± 44%	19.9 ± 28%
Pennsylvania	430,300 ± 19%	372,200 ± 23%	40,900 ± 14%	31,600 ± 18%	160,000 ± 18%	113,700 ± 21%	10.5 ± 24%	11.8 ± 30%
Rhode Island	900 ± 88%	500 ± 123%	300 ± 55%	100 ± 108%	1,100 ± 66%	600 ± 155%	3.1 ± 103%	5.3 ± 164%
South Carolina	1,447,700 ± 12%	696,200 ± 13%	65,100 ± 6%	36,200 ± 13%	222,400 ± 10%	118,500 ± 15%	22.2 ± 14%	19.2 ± 19%
Tennessee	633,200 ± 36%	656,100 ± 26%	36,900 ± 23%	37,800 ± 17%	93,900 ± 31%	101,000 ± 24%	17.2 ± 43%	17.3 ± 31%
Virginia	424,400 ± 21%	304,200 ± 14%	26,500 ± 9%	20,400 ± 12%	76,900 ± 15%	52,500 ± 12%	16.0 ± 23%	14.9 ± 19%
West Virginia	22,300 ± 48%	14,600 ± 24%	1,800 ± 30%	1,100 ± 21%	5,600 ± 54%	2,700 ± 24%	12.2 ± 57%	13.5 ± 32%
Wisconsin	180,600 ± 48%	100,900 ± 38%	15,600 ± 26%	11,200 ± 26%	62,700 ± 31%	40,100 ± 29%	11.6 ± 54%	9.0 ± 46%
Eastern Unit Total	9,793,000 ± 6%	8,155,400 ± 6%			1,669,800 ± 5%	1,336,000 ± 5%		
Arkansas	861,600 ± 20%	621,500 ± 20%	43,400 ± 15%	31,300 ± 16%	147,300 ± 24%	77,500 ± 18%	19.8 ± 25%	19.8 ± 26%
Colorado	263,400 ± 10%	270,300 ± 19%	18,400 ± 7%	19,800 ± 11%	48,700 ± 9%	45,700 ± 13%	14.3 ± 12%	13.6 ± 22%
Kansas	680,400 ± 11%	711,800 ± 12%	32,400 ± 8%	35,400 ± 8%	109,500 ± 12%	116,400 ± 11%	21.0 ± 13%	20.1 ± 14%
Minnesota	48,800 ± 61%	50,000 ± 46%	6,000 ± 34%	8,000 ± 33%	14,700 ± 43%	24,200 ± 39%	8.2 ± 70%	6.3 ± 56%
Missouri	641,800 ± 20%	709,500 ± 15%	40,200 ± 10%	44,700 ± 7%	113,400 ± 16%	129,800 ± 12%	16.0 ± 22%	15.9 ± 17%
Montana	17,800 ± 44%	14,800 ± 33%	2,000 ± 34%	1,800 ± 36%	4,800 ± 38%	3,900 ± 38%	8.7 ± 56%	8.5 ± 49%
Nebraska	371,100 ± 15%	249,700 ± 12%	17,800 ± 10%	15,000 ± 12%	64,300 ± 14%	43,000 ± 12%	20.8 ± 18%	16.7 ± 17%
New Mexico	250,100 ± 22%	226,900 ± 33%	9,300 ± 17%	7,100 ± 20%	42,000 ± 20%	33,900 ± 28%	26.7 ± 28%	31.8 ± 39%
North Dakota	55,500 ± 48%	56,400 ± 25%	3,100 ± 27%	4,000 ± 23%	11,800 ± 38%	10,800 ± 24%	18.1 ± 55%	14.3 ± 34%
Oklahoma	828,500 ± 20%	704,400 ± 24%	34,500 ± 9%	36,100 ± 9%	111,500 ± 16%	108,300 ± 17%	24.0 ± 22%	19.5 ± 26%
South Dakota	127,700 ± 28%	130,300 ± 18%	7,100 ± 18%	8,100 ± 16%	25,200 ± 26%	24,700 ± 17%	17.9 ± 33%	16.2 ± 24%
Texas	5,710,700 ± 15%	5,138,700 ± 14%	257,200 ± 10%	258,900 ± 10%	1,030,000 ± 13%	986,200 ± 14%	22.2 ± 18%	19.8 ± 17%
Wyoming	34,100 ± 31%	29,500 ± 37%	2,500 ± 27%	2,300 ± 29%	6,600 ± 27%	6,500 ± 36%	13.6 ± 41%	12.9 ± 47%
Central Unit Total	9,891,400 ± 9%	8,914,000 ± 9%			1,729,800 ± 8%	1,611,000 ± 9%		
Arizona	952,600 ± 11%	750,700 ± 14%	41,900 ± 8%	37,300 ± 9%	137,100 ± 11%	130,100 ± 21%	22.8 ± 13%	20.1 ± 16%
California	1,013,400 ± 10%	1,020,400 ± 12%	64,700 ± 7%	63,300 ± 8%	183,100 ± 9%	215,900 ± 18%	15.7 ± 12%	16.1 ± 15%
Idaho	122,900 ± 28%	98,100 ± 22%	9,200 ± 19%	10,100 ± 16%	32,500 ± 25%	26,900 ± 22%	13.3 ± 34%	9.7 ± 28%
Nevada	47,700 ± 25%	38,900 ± 27%	4,100 ± 17%	4,100 ± 21%	10,000 ± 19%	9,400 ± 25%	11.7 ± 30%	9.4 ± 34%
Oregon	85,600 ± 51%	84,300 ± 37%	8,600 ± 27%	7,700 ± 24%	24,100 ± 40%	21,600 ± 32%	10.0 ± 58%	11.0 ± 44%
Utah	137,800 ± 29%	77,600 ± 20%	13,400 ± 16%	11,900 ± 11%	35,000 ± 24%	28,900 ± 16%	10.3 ± 33%	6.5 ± 23%
Washington	105,500 ± 29%	132,900 ± 14%	7,900 ± 23%	10,500 ± 12%	24,400 ± 32%	26,000 ± 12%	13.4 ± 37%	12.6 ± 19%
Western Unit Total	2,465,500 ± 7%	2,202,900 ± 8%			446,200 ± 6%	458,800 ± 10%		
U.S. Total	22,149,900 ± 5%	19,272,400 ± 5%			3,845,700 ± 4%	3,405,800 ± 5%		

Table 14. Preliminary estimates of white-winged dove harvest and hunter activity during the 2005 and 2006 hunting seasons.

State and Management Unit	White-winged Dove Harvest		Active Hunters		White-winged Dove Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Alabama	---	9,900 ± 86%	---	3,800 ± 56%	---	6,200 ± 66%	---	2.6 ± 103%
Florida	12,400 ± 75%	29,500 ± 70%	3,200 ± 47%	3,400 ± 44%	9,500 ± 46%	12,100 ± 46%	3.9 ± 89%	8.6 ± 82%
Kentucky	---	700 ± 153%	---	100 ± 137%	---	400 ± 138%	---	6.0 ± 206%
Louisiana	---	3,400 ± 95%	---	1,100 ± 92%	---	6,500 ± 144%	---	3.2 ± 132%
Mississippi	---	3,200 ± 90%	---	1,200 ± 83%	---	2,100 ± 75%	---	2.6 ± 122%
Eastern Unit Total	12,400 ± 75%	46,800 ± 48%			9,500 ± 46%	27,300 ± 43%		
Colorado	2,900 ± 65%	900 ± 67%	1,000 ± 33%	1,100 ± 57%	3,100 ± 41%	2,500 ± 55%	3.0 ± 73%	0.8 ± 88%
Kansas	1,700 ± 115%	2,100 ± 103%	300 ± 82%	600 ± 100%	1,400 ± 86%	4,300 ± 126%	5.0 ± 141%	3.7 ± 143%
Missouri	2,500 ± 124%	1,000 ± 112%	1,200 ± 89%	700 ± 86%	5,000 ± 98%	1,200 ± 72%	2.1 ± 153%	1.5 ± 141%
Nebraska	200 ± 110%	800 ± 102%	100 ± 97%	200 ± 68%	500 ± 124%	600 ± 83%	1.6 ± 146%	4.7 ± 122%
New Mexico	52,100 ± 35%	66,100 ± 46%	4,000 ± 29%	3,600 ± 33%	21,000 ± 34%	17,500 ± 41%	13.0 ± 46%	18.2 ± 57%
Oklahoma	8,000 ± 111%	5,500 ± 93%	2,200 ± 55%	1,900 ± 67%	5,800 ± 63%	8,700 ± 92%	3.6 ± 124%	2.9 ± 115%
Texas	1,095,100 ± 23%	974,500 ± 17%	109,300 ± 17%	105,300 ± 16%	433,000 ± 18%	459,400 ± 28%	10.0 ± 29%	9.3 ± 23%
Central Unit Total	1,162,500 ± 22%	1,050,900 ± 16%			469,800 ± 17%	494,000 ± 26%		
Arizona	110,100 ± 20%	107,400 ± 23%	21,600 ± 15%	18,300 ± 15%	65,700 ± 16%	56,500 ± 16%	5.1 ± 25%	5.9 ± 27%
California	63,600 ± 35%	55,200 ± 30%	11,300 ± 23%	11,700 ± 23%	27,900 ± 24%	31,000 ± 23%	5.6 ± 42%	4.7 ± 38%
Nevada	200 ± 119%	600 ± 168%	200 ± 102%	200 ± 133%	600 ± 98%	600 ± 158%	0.8 ± 157%	3.1 ± 214%
Utah	200 ± 114%	1,000 ± 107%	100 ± 87%	300 ± 86%	200 ± 97%	1,600 ± 97%	2.1 ± 144%	3.1 ± 137%
Western Unit Total	174,000 ± 18%	164,300 ± 18%			94,400 ± 13%	89,700 ± 13%		
U.S. Total	1,348,900 ± 19%	1,262,000 ± 14%			573,700 ± 14%	611,100 ± 21%		

Table 15. Preliminary estimates of band-tailed pigeon harvest and hunter activity during the 2005 and 2006 hunting seasons.

State and Management Unit	Band-tailed Pigeon Harvest		Active Hunters		Band-tailed Pigeon Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Arizona	2,200 ± 105%	500 ± 56%	800 ± 69%	600 ± 73%	1,600 ± 74%	1,100 ± 70%	2.6 ± 126%	0.9 ± 92%
Colorado	100 ± 113%	600 ± 76%	200 ± 46%	900 ± 52%	300 ± 51%	1,700 ± 63%	0.8 ± 122%	0.7 ± 92%
New Mexico	300 ± 106%	100 ± 109%	100 ± 109%	100 ± 172%	400 ± 140%	300 ± 163%	3.2 ± 152%	0.4 ± 204%
Utah	100 ± 193%	400 ± 95%	100 ± 134%	200 ± 92%	200 ± 142%	200 ± 87%	1.5 ± 235%	2.5 ± 133%
Four Corners Total	2,700 ± 86%	1,600 ± 42%			2,500 ± 54%	3,300 ± 43%		
California	11,100 ± 58%	12,500 ± 40%	3,900 ± 39%	6,000 ± 35%	8,800 ± 47%	13,500 ± 47%	2.9 ± 70%	2.1 ± 53%
Oregon	1,400 ± 34%	1,500 ± 25%	500 ± 14%	400 ± 13%	1,300 ± 21%	1,200 ± 20%	2.6 ± 37%	3.5 ± 28%
Washington	1,000 ± 84%	900 ± 97%	700 ± 58%	500 ± 61%	1,000 ± 62%	700 ± 68%	1.5 ± 102%	1.8 ± 115%
Pacific Coast Total	13,500 ± 48%	14,900 ± 34%			11,000 ± 38%	15,400 ± 41%		
U.S. Total	16,200 ± 43%	16,600 ± 31%			13,600 ± 32%	18,800 ± 35%		

Table 16. Preliminary estimates of woodcock harvest and hunter activity during the 2005 and 2006 hunting seasons.

State and Management Unit	Woodcock Harvest		Active Hunters		Woodcock Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Connecticut	4,000 ± 64%	3,500 ± 39%	1,300 ± 28%	1,300 ± 27%	6,800 ± 32%	5,500 ± 33%	3.1 ± 70%	2.8 ± 48%
Delaware	300 ± 195%	300 ± 93%	100 ± 137%	200 ± 101%	200 ± 145%	500 ± 64%	2.0 ± 238%	1.6 ± 138%
Florida	300 ± 126%	200 ± 151%	1,000 ± 166%	1,100 ± 178%	1,800 ± 103%	2,200 ± 178%	0.3 ± 208%	0.2 ± 234%
Georgia	1,800 ± 108%	500 ± 105%	400 ± 66%	1,400 ± 172%	2,500 ± 93%	5,600 ± 173%	4.3 ± 127%	0.3 ± 201%
Maine	9,100 ± 29%	15,600 ± 31%	5,800 ± 34%	7,800 ± 23%	25,200 ± 39%	33,200 ± 34%	1.6 ± 45%	2.0 ± 39%
Maryland	500 ± 66%	2,000 ± 117%	500 ± 129%	800 ± 121%	1,400 ± 90%	1,800 ± 105%	1.0 ± 145%	2.6 ± 169%
Massachusetts	2,300 ± 27%	3,100 ± 31%	1,300 ± 22%	1,300 ± 23%	7,100 ± 28%	5,900 ± 23%	1.7 ± 35%	2.3 ± 39%
New Hampshire	5,200 ± 28%	5,900 ± 31%	2,200 ± 23%	1,600 ± 34%	10,600 ± 27%	6,800 ± 24%	2.4 ± 36%	3.8 ± 46%
New Jersey	2,400 ± 40%	2,000 ± 42%	1,400 ± 30%	1,000 ± 47%	4,900 ± 32%	4,000 ± 56%	1.7 ± 50%	2.0 ± 63%
New York	10,700 ± 29%	10,200 ± 30%	4,300 ± 23%	4,400 ± 23%	16,700 ± 26%	18,700 ± 29%	2.5 ± 37%	2.3 ± 38%
North Carolina	1,800 ± 163%	4,600 ± 126%	1,800 ± 161%	1,600 ± 118%	2,100 ± 141%	6,400 ± 120%	1.0 ± 229%	2.8 ± 172%
Pennsylvania	19,200 ± 29%	18,400 ± 63%	11,300 ± 26%	10,100 ± 33%	56,800 ± 34%	36,600 ± 38%	1.7 ± 39%	1.8 ± 71%
Rhode Island	200 ± 143%	0	200 ± 93%	200 ± 134%	800 ± 104%	500 ± 134%	0.8 ± 170%	0
South Carolina	3,000 ± 145%	6,100 ± 96%	1,700 ± 82%	2,300 ± 88%	3,900 ± 72%	8,400 ± 111%	1.7 ± 166%	2.7 ± 131%
Vermont	6,500 ± 57%	3,000 ± 33%	1,500 ± 40%	1,000 ± 33%	10,000 ± 54%	4,300 ± 40%	4.5 ± 69%	3.0 ± 47%
Virginia	4,100 ± 142%	3,100 ± 101%	1,400 ± 79%	1,600 ± 69%	11,800 ± 147%	5,300 ± 98%	2.8 ± 163%	1.9 ± 122%
West Virginia	1,000 ± 43%	900 ± 58%	400 ± 66%	200 ± 52%	1,500 ± 65%	800 ± 47%	2.5 ± 79%	3.5 ± 78%
Eastern Unit Total	72,200 ± 16%	79,300 ± 20%			164,200 ± 18%	146,300 ± 17%		
Alabama	100 ± 157%	300 ± 86%	<50 ± 107%	200 ± 66%	200 ± 165%	400 ± 84%	4.0 ± 190%	2.0 ± 108%
Arkansas	1,500 ± 115%	2,900 ± 146%	3,800 ± 107%	3,000 ± 110%	9,200 ± 99%	6,800 ± 143%	0.4 ± 157%	1.0 ± 182%
Illinois	3,900 ± 196%	2,200 ± 160%	2,100 ± 79%	2,000 ± 87%	5,300 ± 89%	8,900 ± 115%	1.8 ± 211%	1.1 ± 182%
Indiana	4,400 ± 91%	2,400 ± 69%	2,100 ± 55%	1,000 ± 58%	7,400 ± 69%	4,400 ± 75%	2.1 ± 106%	2.4 ± 90%
Iowa	1,000 ± 115%	1,500 ± 77%	800 ± 82%	2,100 ± 54%	2,200 ± 77%	4,300 ± 59%	1.3 ± 141%	0.7 ± 94%
Kansas	0	100 ± 89%	0	300 ± 185%	0	300 ± 168%	0	0.2 ± 205%
Kentucky	800 ± 99%	300 ± 104%	1,000 ± 141%	100 ± 45%	2,900 ± 98%	900 ± 86%	0.9 ± 172%	2.6 ± 113%
Louisiana	18,100 ± 89%	19,000 ± 68%	5,500 ± 65%	4,000 ± 65%	16,700 ± 74%	10,900 ± 66%	3.3 ± 110%	4.8 ± 94%
Michigan	106,800 ± 27%	116,200 ± 27%	28,000 ± 13%	30,000 ± 14%	151,200 ± 17%	155,300 ± 17%	3.8 ± 30%	3.9 ± 30%
Minnesota	42,200 ± 54%	38,700 ± 41%	12,000 ± 31%	14,900 ± 24%	60,200 ± 42%	60,200 ± 31%	3.5 ± 62%	2.6 ± 47%
Mississippi	0	600 ± 131%	0	1,200 ± 128%	0	3,900 ± 145%	0	0.5 ± 183%
Missouri	1,300 ± 48%	400 ± 52%	1,200 ± 109%	1,500 ± 96%	5,000 ± 107%	3,800 ± 118%	1.1 ± 119%	0.3 ± 109%
Nebraska	0	100 ± 93%	300 ± 196%	600 ± 133%	300 ± 196%	700 ± 117%	0	0.1 ± 162%
Ohio	6,900 ± 83%	4,100 ± 51%	4,700 ± 65%	2,200 ± 68%	15,800 ± 79%	9,800 ± 67%	1.5 ± 105%	1.8 ± 85%
Oklahoma	0	<50 ± 141%	0	500 ± 189%	0	600 ± 174%	0	0.0 ± 235%
Tennessee	400 ± 159%	700 ± 115%	200 ± 95%	100 ± 95%	500 ± 108%	800 ± 104%	2.5 ± 185%	5.3 ± 149%
Texas	0	0	6,200 ± 193%	0	6,300 ± 188%	0	0	0
Wisconsin	37,600 ± 28%	43,000 ± 25%	15,600 ± 25%	19,400 ± 22%	73,100 ± 31%	72,400 ± 25%	2.4 ± 38%	2.2 ± 33%
Central Unit Total	225,000 ± 19%	232,600 ± 17%			356,100 ± 14%	344,300 ± 12%		
U.S. Total	297,200 ± 15%	311,800 ± 14%			520,300 ± 11%	490,600 ± 10%		

Table 17. Preliminary estimates of snipe harvest and hunter activity during the 2005 and 2006 hunting seasons.

State / Flyway	Snipe Harvest		Active Hunters		Snipe Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Connecticut	100 ± 194%	600 ± 168%	<50 ± 194%	100 ± 127%	<50 ± 194%	300 ± 135%	3.0 ± 274%	6.5 ± 211%
Delaware	700 ± 138%	200 ± 137%	100 ± 132%	100 ± 179%	200 ± 151%	200 ± 168%	6.8 ± 191%	2.9 ± 226%
Florida	16,800 ± 84%	23,500 ± 46%	2,800 ± 76%	3,200 ± 63%	5,400 ± 70%	10,900 ± 59%	6.1 ± 113%	7.4 ± 78%
Georgia	1,900 ± 189%	2,100 ± 194%	100 ± 137%	100 ± 136%	300 ± 160%	500 ± 174%	18.0 ± 233%	19.5 ± 237%
Maine	<50 ± 193%	0	<50 ± 193%	<50 ± 193%	<50 ± 193%	100 ± 193%	1.0 ± 273%	0
Maryland	0	2,500 ± 195%	<50 ± 185%	600 ± 191%	<50 ± 185%	1,900 ± 194%	0	3.9 ± 273%
Massachusetts	400 ± 191%	200 ± 113%	<50 ± 170%	100 ± 101%	200 ± 179%	600 ± 118%	8.9 ± 256%	1.4 ± 152%
New Hampshire	100 ± 97%	<50 ± 104%	<50 ± 62%	100 ± 158%	100 ± 83%	400 ± 165%	3.8 ± 115%	0.3 ± 189%
New Jersey	0	100 ± 194%	100 ± 182%	100 ± 137%	100 ± 147%	200 ± 153%	0	0.5 ± 237%
New York	2,600 ± 105%	300 ± 85%	600 ± 101%	300 ± 155%	1,300 ± 96%	500 ± 93%	4.1 ± 146%	1.3 ± 176%
North Carolina	800 ± 196%	500 ± 196%	300 ± 196%	1,500 ± 138%	300 ± 196%	2,800 ± 148%	3.0 ± 277%	0.3 ± 240%
Pennsylvania	2,100 ± 149%	100 ± 127%	1,100 ± 145%	<50 ± 106%	2,700 ± 122%	200 ± 119%	2.0 ± 208%	2.7 ± 165%
Rhode Island	0	0	0	0	0	0	0	0
South Carolina	23,600 ± 57%	3,200 ± 96%	1,700 ± 71%	500 ± 163%	5,500 ± 63%	800 ± 111%	13.5 ± 91%	6.7 ± 189%
Vermont	<50 ± 188%	100 ± 194%	<50 ± 188%	100 ± 194%	100 ± 188%	100 ± 194%	2.0 ± 266%	1.0 ± 274%
Virginia	900 ± 127%	300 ± 100%	700 ± 116%	<50 ± 72%	3,700 ± 150%	300 ± 120%	1.3 ± 172%	7.7 ± 124%
West Virginia	<50 ± 173%	0	<50 ± 173%	0	<50 ± 173%	0	3.0 ± 244%	0
Atlantic Flyway Total	50,200 ± 41%	33,700 ± 39%			19,900 ± 42%	19,600 ± 44%		
Alabama	600 ± 137%	400 ± 109%	<50 ± 92%	100 ± 84%	100 ± 110%	200 ± 105%	14.8 ± 165%	4.2 ± 138%
Arkansas	4,900 ± 167%	900 ± 194%	100 ± 137%	<50 ± 194%	1,000 ± 167%	1,100 ± 194%	33.0 ± 216%	18.0 ± 274%
Illinois	3,900 ± 183%	0	600 ± 172%	1,100 ± 138%	1,400 ± 150%	2,800 ± 161%	6.6 ± 251%	0
Indiana	800 ± 179%	1,800 ± 157%	800 ± 128%	700 ± 106%	1,600 ± 140%	1,400 ± 100%	1.0 ± 220%	2.4 ± 189%
Iowa	1,800 ± 102%	1,500 ± 113%	1,100 ± 93%	600 ± 124%	1,900 ± 99%	1,200 ± 103%	1.6 ± 139%	2.5 ± 168%
Kentucky	1,700 ± 174%	200 ± 189%	<50 ± 132%	<50 ± 189%	300 ± 149%	100 ± 189%	39.5 ± 219%	16.0 ± 267%
Louisiana	12,400 ± 80%	7,100 ± 87%	3,700 ± 92%	1,000 ± 109%	6,500 ± 91%	1,900 ± 78%	3.4 ± 122%	7.3 ± 140%
Michigan	1,300 ± 146%	3,200 ± 114%	500 ± 86%	1,700 ± 125%	900 ± 94%	5,000 ± 132%	2.8 ± 169%	1.9 ± 169%
Minnesota	2,800 ± 164%	5,300 ± 114%	1,300 ± 124%	2,300 ± 92%	1,400 ± 115%	2,900 ± 94%	2.2 ± 206%	2.3 ± 146%
Mississippi	1,500 ± 154%	2,300 ± 164%	100 ± 136%	200 ± 95%	200 ± 153%	900 ± 119%	12.5 ± 206%	12.5 ± 190%
Missouri	300 ± 144%	100 ± 192%	100 ± 109%	<50 ± 192%	100 ± 116%	<50 ± 192%	5.0 ± 181%	4.0 ± 271%
Ohio	1,700 ± 196%	500 ± 195%	900 ± 181%	200 ± 137%	1,800 ± 181%	600 ± 137%	1.8 ± 266%	3.5 ± 238%
Tennessee	0	0	0	0	0	0	0	0
Wisconsin	5,800 ± 122%	1,400 ± 158%	2,500 ± 106%	1,300 ± 126%	3,700 ± 103%	2,100 ± 120%	2.3 ± 161%	1.1 ± 202%
Mississippi Flyway Total	39,500 ± 46%	24,800 ± 45%			20,800 ± 43%	20,200 ± 47%		

Table 17. Preliminary estimates of snipe harvest and hunter activity during the 2005 and 2006 hunting seasons.

State / Flyway	Snipe Harvest		Active Hunters		Snipe Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Colorado	300 ± 194%	900 ± 194%	100 ± 137%	200 ± 111%	200 ± 144%	500 ± 116%	2.0 ± 238%	5.0 ± 224%
Kansas	900 ± 105%	200 ± 196%	900 ± 129%	200 ± 196%	2,300 ± 148%	900 ± 196%	0.9 ± 166%	1.0 ± 277%
Nebraska	2,300 ± 82%	700 ± 194%	1,000 ± 97%	100 ± 137%	1,500 ± 75%	300 ± 139%	2.3 ± 127%	6.5 ± 238%
New Mexico	1,000 ± 194%	0	300 ± 184%	<50 ± 166%	1,000 ± 182%	<50 ± 166%	3.8 ± 267%	0
North Dakota	600 ± 132%	200 ± 56%	800 ± 126%	100 ± 34%	1,300 ± 127%	200 ± 42%	0.7 ± 182%	3.3 ± 66%
Oklahoma	600 ± 88%	600 ± 144%	100 ± 64%	100 ± 84%	300 ± 66%	200 ± 135%	5.7 ± 109%	8.3 ± 167%
South Dakota	100 ± 57%	200 ± 78%	300 ± 183%	<50 ± 47%	1,000 ± 187%	100 ± 67%	0.2 ± 192%	6.2 ± 88%
Texas	2,800 ± 99%	6,400 ± 79%	300 ± 60%	300 ± 57%	1,900 ± 89%	1,400 ± 68%	8.2 ± 116%	22.9 ± 98%
Wyoming	400 ± 152%	100 ± 170%	100 ± 102%	100 ± 142%	300 ± 90%	300 ± 174%	2.8 ± 183%	1.7 ± 222%
Central Flyway Total	8,800 ± 47%	9,300 ± 60%			9,800 ± 51%	3,900 ± 55%		
Arizona	0	100 ± 168%	0	<50 ± 132%	0	400 ± 139%	0	4.5 ± 213%
California	16,900 ± 149%	2,800 ± 57%	2,000 ± 110%	400 ± 41%	7,700 ± 110%	1,100 ± 49%	8.5 ± 185%	6.4 ± 71%
Idaho	400 ± 111%	400 ± 180%	1,000 ± 114%	100 ± 136%	1,600 ± 88%	300 ± 143%	0.4 ± 159%	7.5 ± 226%
Montana	400 ± 109%	800 ± 112%	<50 ± 69%	500 ± 169%	100 ± 90%	500 ± 146%	8.3 ± 129%	1.6 ± 203%
Nevada	<50 ± 143%	<50 ± 161%	<50 ± 88%	<50 ± 161%	<50 ± 95%	<50 ± 161%	4.0 ± 168%	1.0 ± 228%
Oregon	1,100 ± 88%	700 ± 150%	300 ± 66%	100 ± 111%	1,200 ± 78%	300 ± 112%	3.5 ± 110%	7.3 ± 186%
Utah	300 ± 165%	300 ± 144%	100 ± 137%	300 ± 86%	400 ± 169%	800 ± 123%	3.0 ± 214%	1.2 ± 168%
Washington	2,100 ± 124%	2,500 ± 111%	800 ± 118%	1,100 ± 99%	1,700 ± 110%	1,900 ± 86%	2.7 ± 171%	2.2 ± 149%
Pacific Flyway Total	21,300 ± 119%	7,700 ± 47%			12,600 ± 70%	5,300 ± 43%		
Alaska	900 ± 112%	1,200 ± 85%	300 ± 69%	300 ± 46%	700 ± 78%	800 ± 58%	3.7 ± 132%	4.6 ± 97%
U.S. Total	120,700 ± 31%	76,700 ± 24%			63,800 ± 25%	49,700 ± 26%		

Table 18. Preliminary estimates of coot harvest and hunter activity during the 2005 and 2006 hunting seasons.

State / Flyway	Coot Harvest		Active Hunters		Coot Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Connecticut	100 ± 194%	500 ± 189%	<50 ± 194%	<50 ± 180%	<50 ± 194%	100 ± 160%	2.0 ± 274%	10.5 ± 261%
Delaware	1,000 ± 175%	1,100 ± 118%	100 ± 137%	100 ± 122%	600 ± 179%	700 ± 91%	9.5 ± 222%	10.0 ± 169%
Florida	14,400 ± 98%	8,500 ± 69%	1,200 ± 101%	2,300 ± 83%	2,900 ± 75%	6,600 ± 93%	11.7 ± 141%	3.6 ± 108%
Georgia	800 ± 194%	3,700 ± 196%	100 ± 137%	1,200 ± 196%	400 ± 138%	3,700 ± 196%	7.5 ± 237%	3.0 ± 277%
Maine	3,600 ± 187%	<50 ± 193%	900 ± 189%	<50 ± 193%	1,000 ± 177%	<50 ± 193%	4.0 ± 266%	1.0 ± 273%
Maryland	0	1,300 ± 192%	0	600 ± 191%	0	700 ± 168%	0	2.0 ± 270%
Massachusetts	100 ± 150%	700 ± 107%	100 ± 152%	200 ± 87%	100 ± 107%	1,200 ± 126%	2.1 ± 214%	3.5 ± 138%
New Hampshire	100 ± 118%	400 ± 120%	<50 ± 79%	200 ± 132%	100 ± 84%	400 ± 142%	9.0 ± 142%	2.2 ± 178%
New Jersey	100 ± 163%	100 ± 138%	100 ± 162%	100 ± 138%	100 ± 131%	100 ± 138%	1.0 ± 230%	1.0 ± 195%
New York	1,400 ± 102%	1,500 ± 91%	400 ± 118%	300 ± 145%	1,200 ± 80%	1,100 ± 114%	3.1 ± 156%	5.4 ± 171%
North Carolina	2,700 ± 161%	14,800 ± 119%	500 ± 138%	1,300 ± 86%	1,100 ± 138%	8,500 ± 97%	5.0 ± 212%	11.8 ± 147%
Pennsylvania	1,200 ± 98%	2,800 ± 137%	300 ± 68%	1,000 ± 181%	1,400 ± 97%	2,400 ± 154%	4.1 ± 119%	2.7 ± 227%
Rhode Island	0	<50 ± 191%	0	<50 ± 191%	0	100 ± 191%	0	1.0 ± 270%
South Carolina	6,600 ± 82%	<50 ± 190%	1,200 ± 103%	<50 ± 190%	3,900 ± 101%	<50 ± 190%	5.6 ± 132%	1.0 ± 269%
Vermont	0	0	0	0	0	0	0	0
Virginia	600 ± 136%	2,100 ± 114%	300 ± 187%	500 ± 100%	3,500 ± 190%	2,500 ± 127%	1.9 ± 231%	4.3 ± 152%
West Virginia	100 ± 173%	200 ± 192%	<50 ± 173%	<50 ± 192%	<50 ± 173%	100 ± 192%	20.0 ± 244%	6.0 ± 272%
Atlantic Flyway Total	32,600 ± 53%	37,800 ± 55%			16,100 ± 53%	28,400 ± 49%		
Alabama	100 ± 156%	1,100 ± 99%	<50 ± 131%	100 ± 84%	<50 ± 147%	300 ± 87%	5.5 ± 204%	11.6 ± 130%
Arkansas	12,300 ± 195%	8,700 ± 152%	100 ± 195%	1,800 ± 175%	800 ± 195%	5,700 ± 102%	165.0 ± 275%	207.0 ± 232%
Illinois	4,300 ± 145%	1,700 ± 144%	1,100 ± 128%	600 ± 177%	1,500 ± 97%	1,000 ± 139%	3.8 ± 194%	2.8 ± 228%
Indiana	500 ± 73%	4,400 ± 113%	100 ± 33%	800 ± 98%	400 ± 63%	1,500 ± 76%	6.5 ± 80%	5.5 ± 150%
Iowa	2,000 ± 102%	1,300 ± 94%	900 ± 105%	600 ± 123%	1,400 ± 94%	1,000 ± 123%	2.2 ± 147%	2.1 ± 155%
Kentucky	2,700 ± 102%	2,900 ± 145%	1,200 ± 128%	900 ± 130%	2,300 ± 111%	3,600 ± 160%	2.2 ± 164%	3.2 ± 195%
Louisiana	70,200 ± 90%	70,300 ± 67%	4,200 ± 81%	5,600 ± 51%	18,800 ± 109%	13,500 ± 46%	16.8 ± 121%	12.6 ± 85%
Michigan	2,900 ± 126%	3,900 ± 103%	1,100 ± 150%	3,100 ± 97%	2,700 ± 132%	34,500 ± 140%	2.7 ± 196%	1.3 ± 141%
Minnesota	11,700 ± 94%	9,600 ± 100%	2,200 ± 100%	2,500 ± 77%	10,000 ± 126%	11,200 ± 104%	5.3 ± 137%	3.8 ± 126%
Mississippi	100 ± 194%	3,100 ± 194%	100 ± 194%	<50 ± 194%	100 ± 194%	600 ± 194%	1.0 ± 275%	65.0 ± 274%
Missouri	400 ± 191%	900 ± 138%	500 ± 188%	900 ± 138%	1,100 ± 188%	900 ± 138%	0.8 ± 268%	1.0 ± 195%
Ohio	0	1,100 ± 149%	0	200 ± 111%	0	600 ± 149%	0	4.7 ± 186%
Tennessee	0	0	0	0	0	0	0	0
Wisconsin	3,400 ± 101%	6,200 ± 107%	1,000 ± 150%	1,900 ± 102%	1,800 ± 91%	4,400 ± 132%	3.3 ± 181%	3.3 ± 148%
Mississippi Flyway Total	110,600 ± 62%	115,100 ± 45%			41,000 ± 60%	78,800 ± 65%		

Table 18. Preliminary estimates of coot harvest and hunter activity during the 2005 and 2006 hunting seasons.

State / Flyway	Coot Harvest		Active Hunters		Coot Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Colorado	200 ± 144%	500 ± 141%	100 ± 137%	200 ± 111%	400 ± 169%	700 ± 128%	1.5 ± 199%	2.7 ± 180%
Kansas	400 ± 94%	500 ± 141%	<50 ± 64%	500 ± 141%	100 ± 83%	800 ± 140%	12.9 ± 113%	1.0 ± 200%
Nebraska	1,500 ± 132%	0	200 ± 96%	100 ± 194%	300 ± 107%	100 ± 194%	9.3 ± 163%	0
New Mexico	<50 ± 120%	200 ± 189%	<50 ± 92%	200 ± 192%	100 ± 99%	200 ± 192%	2.3 ± 151%	1.0 ± 270%
North Dakota	800 ± 92%	1,700 ± 121%	1,500 ± 92%	400 ± 160%	3,200 ± 106%	1,300 ± 157%	0.5 ± 130%	4.0 ± 200%
Oklahoma	200 ± 132%	900 ± 113%	<50 ± 132%	400 ± 166%	200 ± 151%	1,600 ± 176%	5.5 ± 187%	2.1 ± 200%
South Dakota	5,300 ± 194%	700 ± 98%	300 ± 186%	300 ± 125%	3,100 ± 194%	500 ± 98%	16.3 ± 268%	2.1 ± 159%
Texas	7,000 ± 176%	1,400 ± 116%	3,200 ± 190%	100 ± 85%	3,400 ± 182%	300 ± 92%	2.2 ± 259%	11.2 ± 144%
Wyoming	100 ± 194%	900 ± 179%	100 ± 194%	100 ± 125%	100 ± 194%	500 ± 171%	1.0 ± 275%	9.4 ± 219%
Central Flyway Total	15,400 ± 105%	6,900 ± 51%			10,800 ± 86%	5,900 ± 66%		
Arizona	<50 ± 188%	3,300 ± 126%	<50 ± 188%	3,100 ± 134%	<50 ± 188%	3,200 ± 129%	3.0 ± 266%	1.1 ± 184%
California	9,000 ± 40%	18,000 ± 66%	2,300 ± 97%	2,600 ± 81%	8,800 ± 96%	11,500 ± 86%	4.0 ± 105%	7.0 ± 105%
Idaho	2,500 ± 103%	2,600 ± 85%	500 ± 153%	600 ± 124%	900 ± 113%	1,400 ± 113%	4.7 ± 185%	4.3 ± 151%
Montana	600 ± 137%	1,300 ± 136%	<50 ± 128%	900 ± 132%	100 ± 129%	2,900 ± 167%	36.5 ± 187%	1.5 ± 190%
Nevada	1,600 ± 153%	100 ± 64%	200 ± 115%	<50 ± 47%	2,600 ± 156%	200 ± 138%	9.6 ± 191%	3.4 ± 79%
Oregon	1,500 ± 115%	1,100 ± 119%	200 ± 77%	900 ± 117%	1,300 ± 94%	2,000 ± 97%	6.3 ± 139%	1.3 ± 167%
Utah	5,200 ± 70%	8,300 ± 63%	1,400 ± 56%	1,800 ± 51%	3,600 ± 56%	7,200 ± 72%	3.8 ± 89%	4.6 ± 81%
Washington	2,300 ± 74%	4,600 ± 169%	400 ± 151%	400 ± 149%	800 ± 88%	1,100 ± 119%	5.4 ± 168%	10.6 ± 225%
Pacific Flyway Total	22,700 ± 30%	39,300 ± 41%			18,100 ± 54%	29,500 ± 45%		
U.S. Total	181,300 ± 40%	199,100 ± 29%			86,100 ± 34%	142,600 ± 38%		

Table 19. Preliminary estimates of gallinule harvest and hunter activity during the 2005 and 2006 hunting seasons.

State / Flyway	Gallinule Harvest		Active Hunters		Gallinule Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Delaware	600 ± 194%	0	<50 ± 194%	0	200 ± 194%	0	12.0 ± 274%	0
Florida	400 ± 194%	200 ± 143%	100 ± 137%	100 ± 136%	800 ± 164%	200 ± 143%	5.0 ± 237%	3.0 ± 198%
Georgia	0	1,500 ± 196%	0	800 ± 196%	0	2,300 ± 196%	0	2.0 ± 277%
Maine	0	0	0	0	0	0	0	0
New Jersey	200 ± 191%	0	100 ± 174%	<50 ± 191%	200 ± 163%	100 ± 191%	1.8 ± 259%	0
New York	300 ± 98%	100 ± 117%	<50 ± 69%	<50 ± 68%	100 ± 83%	100 ± 84%	10.3 ± 120%	4.8 ± 135%
North Carolina	0	0	0	900 ± 196%	0	1,800 ± 196%	0	0
Pennsylvania	0	0	700 ± 196%	0	1,400 ± 196%	0	0	0
Rhode Island	0	0	0	0	0	0	0	0
South Carolina	1,100 ± 196%	0	600 ± 186%	0	600 ± 186%	0	1.9 ± 270%	0
Virginia	100 ± 186%	0	<50 ± 186%	<50 ± 177%	<50 ± 186%	<50 ± 177%	9.0 ± 263%	0
West Virginia	0	0	0	0	0	0	0	0
Atlantic Flyway Total	2,600 ± 98%	1,800 ± 164%			3,300 ± 98%	4,500 ± 128%		
Alabama	<50 ± 186%	0	<50 ± 186%	0	<50 ± 186%	0	2.0 ± 262%	0
Arkansas	0	0	0	0	0	0	0	0
Indiana	<50 ± 153%	0	<50 ± 153%	0	<50 ± 153%	0	2.0 ± 216%	0
Kentucky	0	0	500 ± 196%	0	1,000 ± 196%	0	0	0
Louisiana	23,500 ± 86%	8,000 ± 65%	3,500 ± 87%	1,500 ± 87%	8,800 ± 80%	6,300 ± 70%	6.8 ± 122%	5.3 ± 108%
Michigan	1,700 ± 196%	800 ± 196%	800 ± 196%	800 ± 196%	800 ± 196%	3,100 ± 196%	2.0 ± 277%	1.0 ± 277%
Minnesota	400 ± 196%	700 ± 156%	400 ± 196%	500 ± 152%	400 ± 196%	1,100 ± 129%	1.0 ± 277%	1.6 ± 217%
Mississippi	0	2,300 ± 194%	0	<50 ± 194%	0	700 ± 194%	0	50.0 ± 274%
Ohio	0	0	0	100 ± 195%	0	100 ± 195%	0	0
Tennessee	100 ± 195%	0	100 ± 195%	0	100 ± 195%	0	1.0 ± 275%	0
Wisconsin	<50 ± 189%	0	<50 ± 133%	0	200 ± 175%	0	0.5 ± 231%	0
Mississippi Flyway Total	25,700 ± 79%	11,800 ± 60%			11,400 ± 66%	11,400 ± 69%		
New Mexico	0	0	0	0	0	0	0	0
Oklahoma	<50 ± 187%	0	<50 ± 187%	0	<50 ± 187%	0	2.0 ± 264%	0
Texas	0	0	0	0	0	0	0	0
Central Flyway Total	<50 ± 187%	0			<50 ± 187%	0		
Arizona	0	0	0	0	0	0	0	0
California	2,200 ± 107%	0	1,100 ± 132%	500 ± 196%	1,700 ± 129%	2,300 ± 196%	2.1 ± 169%	0
Idaho	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0
Pacific Flyway Total	2,200 ± 107%	0			1,700 ± 129%	2,300 ± 196%		
U.S. Total	30,600 ± 68%	13,700 ± 57%			16,500 ± 51%	18,200 ± 59%		

Table 20. Preliminary estimates of rail harvest and hunter activity during the 2005 and 2006 hunting seasons.

State / Flyway	Rail Harvest		Active Hunters		Rail Days Afield		Seasonal Harvest Per Hunter	
	2005	2006	2005	2006	2005	2006	2005	2006
Connecticut	400 ± 157%	300 ± 149%	100 ± 133%	100 ± 133%	300 ± 136%	200 ± 135%	4.4 ± 205%	3.3 ± 199%
Delaware	0	700 ± 158%	<50 ± 194%	100 ± 179%	100 ± 194%	300 ± 158%	0	13.9 ± 239%
Florida	3,100 ± 181%	4,800 ± 117%	100 ± 111%	200 ± 78%	300 ± 132%	500 ± 88%	25.0 ± 213%	27.0 ± 140%
Georgia	0	0	0	0	0	0	0	0
Maine	0	0	0	0	0	0	0	0
Maryland	0	<50 ± 136%	<50 ± 184%	<50 ± 129%	<50 ± 184%	<50 ± 129%	0	1.5 ± 188%
Massachusetts	<50 ± 193%	500 ± 155%	100 ± 131%	200 ± 87%	100 ± 133%	1,100 ± 129%	0.5 ± 233%	2.8 ± 178%
New Jersey	4,300 ± 101%	600 ± 166%	200 ± 85%	<50 ± 108%	400 ± 49%	200 ± 129%	21.0 ± 132%	10.0 ± 199%
New York	700 ± 111%	100 ± 123%	200 ± 167%	<50 ± 63%	300 ± 113%	100 ± 80%	3.6 ± 201%	3.3 ± 138%
North Carolina	0	0	0	900 ± 196%	0	1,800 ± 196%	0	0
Pennsylvania	0	0	700 ± 196%	0	1,400 ± 196%	0	0	0
Rhode Island	<50 ± 183%	0	<50 ± 183%	0	<50 ± 183%	0	2.0 ± 259%	0
South Carolina	9,200 ± 58%	3,600 ± 118%	1,000 ± 105%	500 ± 163%	1,600 ± 76%	500 ± 154%	8.8 ± 120%	7.1 ± 201%
Virginia	2,300 ± 92%	4,000 ± 47%	400 ± 155%	300 ± 109%	600 ± 110%	500 ± 71%	5.5 ± 181%	14.2 ± 118%
West Virginia	0	0	0	0	0	0	0	0
Atlantic Flyway Total	20,000 ± 46%	14,500 ± 51%			5,200 ± 62%	5,300 ± 77%		
Alabama	<50 ± 186%	0	<50 ± 186%	0	<50 ± 186%	0	2.0 ± 262%	0
Arkansas	12,200 ± 195%	0	100 ± 195%	0	800 ± 195%	0	170.0 ± 275%	0
Illinois	100 ± 80%	900 ± 196%	300 ± 184%	900 ± 136%	800 ± 164%	2,300 ± 160%	0.2 ± 201%	1.0 ± 238%
Indiana	1,500 ± 139%	100 ± 101%	600 ± 110%	200 ± 172%	800 ± 113%	300 ± 167%	2.5 ± 178%	0.7 ± 199%
Iowa	1,100 ± 138%	100 ± 85%	700 ± 111%	<50 ± 68%	2,200 ± 113%	100 ± 76%	1.5 ± 177%	3.8 ± 109%
Kentucky	0	0	0	0	0	0	0	0
Louisiana	15,900 ± 135%	7,100 ± 87%	3,000 ± 101%	400 ± 68%	5,800 ± 92%	1,100 ± 90%	5.4 ± 169%	17.9 ± 110%
Michigan	200 ± 195%	1,600 ± 196%	200 ± 137%	800 ± 196%	400 ± 154%	3,100 ± 196%	1.0 ± 238%	2.0 ± 277%
Minnesota	0	700 ± 138%	0	1,100 ± 113%	0	1,100 ± 113%	0	0.7 ± 178%
Mississippi	0	0	0	0	0	0	0	0
Missouri	500 ± 176%	100 ± 191%	500 ± 190%	<50 ± 191%	500 ± 185%	<50 ± 191%	1.1 ± 259%	5.0 ± 269%
Ohio	600 ± 195%	200 ± 195%	100 ± 195%	200 ± 137%	100 ± 195%	400 ± 140%	8.0 ± 275%	1.5 ± 238%
Tennessee	0	0	0	0	0	0	0	0
Wisconsin	0	<50 ± 189%	100 ± 84%	<50 ± 109%	200 ± 116%	100 ± 125%	0	0.3 ± 218%
Mississippi Flyway Total	32,100 ± 100%	10,800 ± 66%			11,700 ± 55%	8,600 ± 86%		
Colorado	0	700 ± 194%	200 ± 196%	100 ± 137%	400 ± 196%	400 ± 138%	0	6.0 ± 238%
Kansas	700 ± 127%	0	500 ± 183%	400 ± 196%	500 ± 164%	400 ± 196%	1.5 ± 223%	0
Nebraska	400 ± 131%	0	100 ± 111%	100 ± 194%	300 ± 126%	200 ± 194%	3.3 ± 171%	0
New Mexico	200 ± 189%	0	200 ± 189%	0	200 ± 174%	0	1.0 ± 268%	0
Oklahoma	100 ± 173%	100 ^a	<50 ± 129%	0	100 ± 132%	0	7.0 ± 216%	30.7 ^a
Texas	<50 ± 193%	2,200 ± 185%	<50 ± 193%	2,100 ± 194%	<50 ± 193%	2,100 ± 194%	1.0 ± 273%	1.0 ± 268%
Wyoming	0	0	0	0	0	0	0	0
Central Flyway Total	1,500 ± 77%	3,000 ± 144%			1,600 ± 84%	3,100 ± 136%		
U.S. Total	53,600 ± 62%	28,500 ± 39%			18,500 ± 39%	17,000 ± 55%		

^a variance inestimable

Table 21. Preliminary estimates of rail harvest during the 2005 and 2006 hunting seasons. Species-specific estimates were derived from 5-year running averages of species composition estimates from the Migratory Bird Wing Collection Survey.

Flyway	Sora		Virginia		Clapper		King	
	2005	2006	2005	2006	2005	2006	2005	2006
Atlantic	9,100	5,800	200	200	10,600	8,400	<50	0
Mississippi	31,500	10,600	600	200	0	0	0	0
Central	1,000	2,600	200	200	200	0	200	200
U.S. Total	41,600	19,000	1,000	600	10,800	8,400	200	200