7-2006

Migratory bird hunting activity and harvest during the 2004 and 2005 hunting seasons: Preliminary Estimates

Paul I. Padding
U.S. Fish and Wildlife Service, paul_padding@fws.gov

Kenneth D. Richkus
U.S. Fish and Wildlife Service, ken_richkus@fws.gov

Mary T. Moore
U.S. Fish and Wildlife Service, mary_moore@fws.gov

Elwood Martin
U.S. Fish and Wildlife Service

Sheri S. Williams
U.S. Fish and Wildlife Service, Sheri_S_Williams@fws.gov

See next page for additional authors

Migratory bird hunting activity and harvest during the 2004 and 2005 hunting seasons

Preliminary Estimates

July 2006

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

U.S. Fish and Wildlife Service
Division of Migratory Bird Management
Branch of Harvest Surveys
Laurel, MD

This report should be cited as: U.S. Fish and Wildlife Service. 2006. Migratory bird hunting activity and harvest during the 2004 and 2005 hunting seasons: Preliminary estimates. U.S. Department of the Interior, Washington, D.C. U.S.A.

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.

All Division of Migratory Bird Management reports are available at our home page (http://migratorybirds.fws.gov)

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. 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 2004-05 and 2005-06 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 bias. 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. 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 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, 2006" (Kelley, 2006, 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 68,681 hunters and 60% for the 2004-05 survey, and 69,268 hunters and a 58% for the 2005-06 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 bagged shown in Tables 3 and 4 are not included in the estimates of birds bagged per active hunter 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 in Federal Duck Stamp sales, duck harvest, and goose harvest since 1961 are shown in Figures 1-3. 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. The duck and goose harvest graphs both 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 1999-2005.

Waterfowl Age and Sex Ratios (Tables 8-12, Figures 4-7). The 2004-05 Waterfowl Parts Survey collected 82,464 duck wings and 20,722 goose tails and primary tips, whereas the 2005-06 sample consisted of 85,185 duck wings and 23,834 goose tails and primary 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 4-7 show the long-term trends in age ratios of mallards (Figure 4), northern pintails (Figure 5), American black ducks and wood ducks (Figure 6) and lesser scaup (Figure 7).

Dove and Band-tailed Pigeon Hunter Activity and Harvest (Tables 13-15). The dove and band-tailed pigeon estimates were based on samples of 52,748 hunters in 2004-05 (59% response rate) and 44,460 hunters in 2005-06 (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 2004-05 survey had a sample size of 22,728 hunters and a 62% response rate, and the 2005-06 survey sample size and response rate were 19,208 hunters and 65%.

Snipe, Rail, Gallinule and Coot Hunter Activity and Harvest (Tables 17-21). The sample for the 2004-05 snipe, rail, gallinule and coot harvest survey was 19,935 hunters (59% response rate) and 20,604 hunters (61% response rate) for the 2005-06 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 2004-05 estimates are based on the species composition of 1,213 rail wings collected from 2000-2004, and the 2005-06 estimates are based on 1,601 rail wings collected from 2001-2005.

Alaska Sandhill Crane Hunter Activity and Harvest Estimates. The estimates presented below were derived from surveys of 621 (2004-05, 74% response rate) and 187 (2005-06, 79% response rate) Alaska migratory bird hunters. For Alaska's 2004 season, we estimated that 1,100 active sandhill crane hunters spent 4,400 days hunting cranes and harvested 1,100 birds. In 2005, an estimated 1,600 active hunters spent 6,000 days hunting cranes and harvested 700 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 2004 and 2005 seasons were reported in, "Status and harvests of sandhill cranes: Mid-continent and Rocky Mountain populations" (Sharp et al., 2006, U.S. Fish and Wildlife Service).

Acknowledgments

The Harvest Surveys Section's survey clerks (Ellen Griffin, Robert Mack, and Pamela Mathias), mail clerk (Joe Duncan), biological technicians (Ronnie Jones, Lyle Hancock, and Katrina Krause), 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, 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
Debbie Manderfield, Florida Fish and Wildlife Conservation Commission
David Neyhart, 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 Winters, 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, Ohio Department of Natural Resources
Mike Liddiard, 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
Billy McTeer and Phoebe Carter, 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, Washington Department of Wildlife
Steve Wilson and Joyce Newcomer, West Virginia Department of Natural Resources
Brian Dhuey, Wisconsin Department of Natural Resources
Tom Graham, Wyoming Game and Fish Department

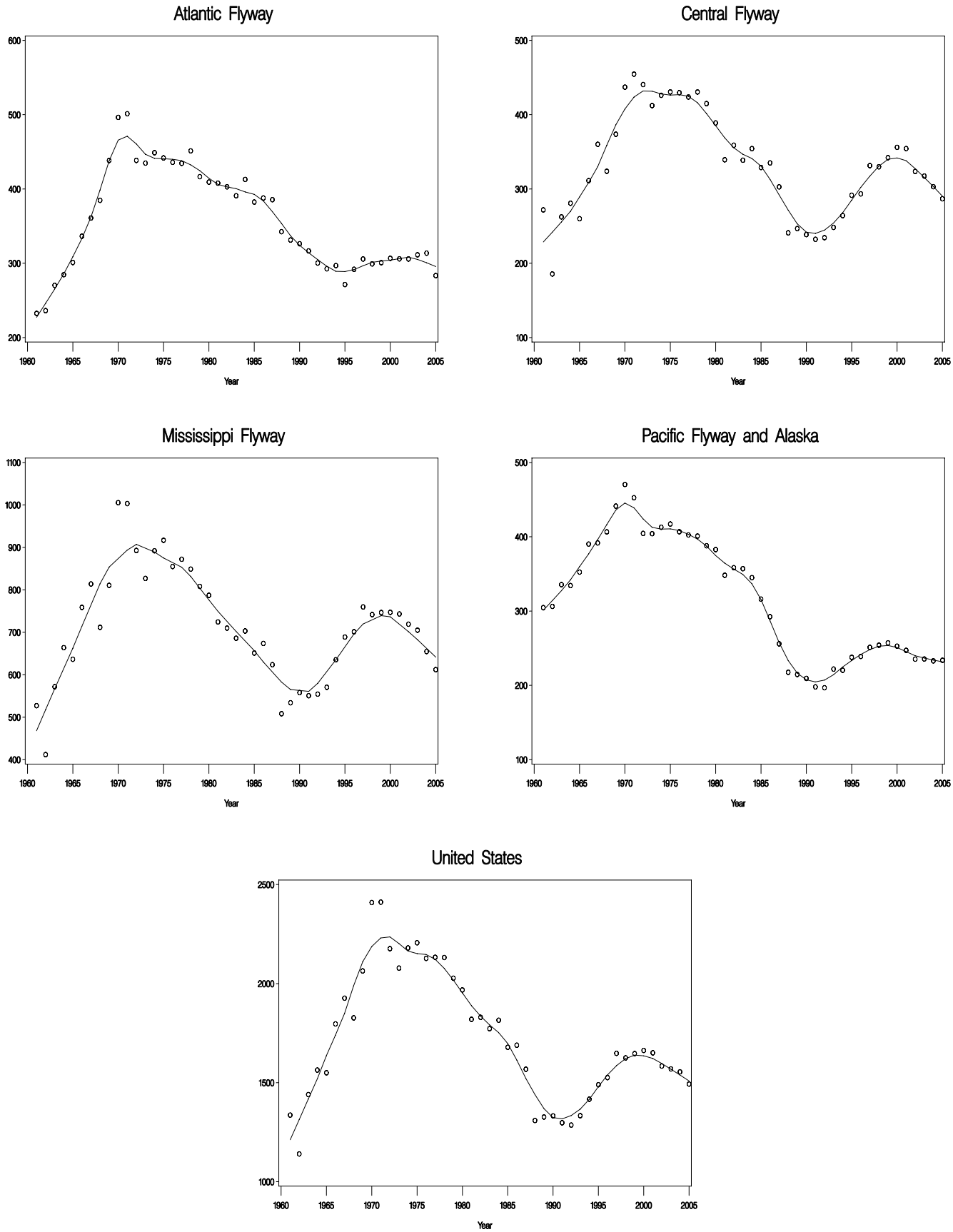

Figure 1. Number of Federal Duck Stamps sold (in thousands) in the United States, 1961-2005.

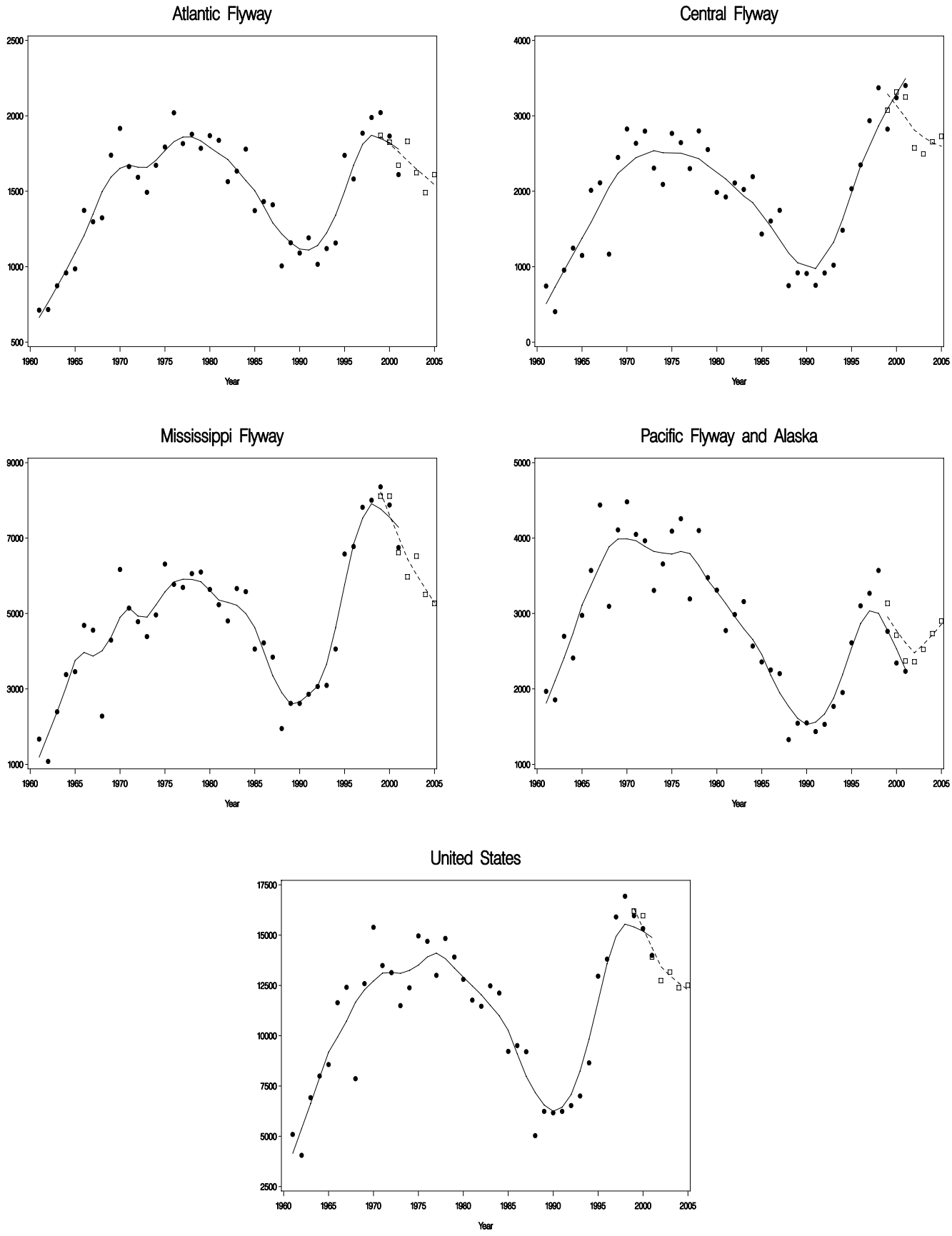

Figure 2. Number of ducks harvested (in thousands) by hunters in the United States, 1961-2005. (Federal Duck Stamp survey - circles and solid line; HIP survey - squares and dashed line.)

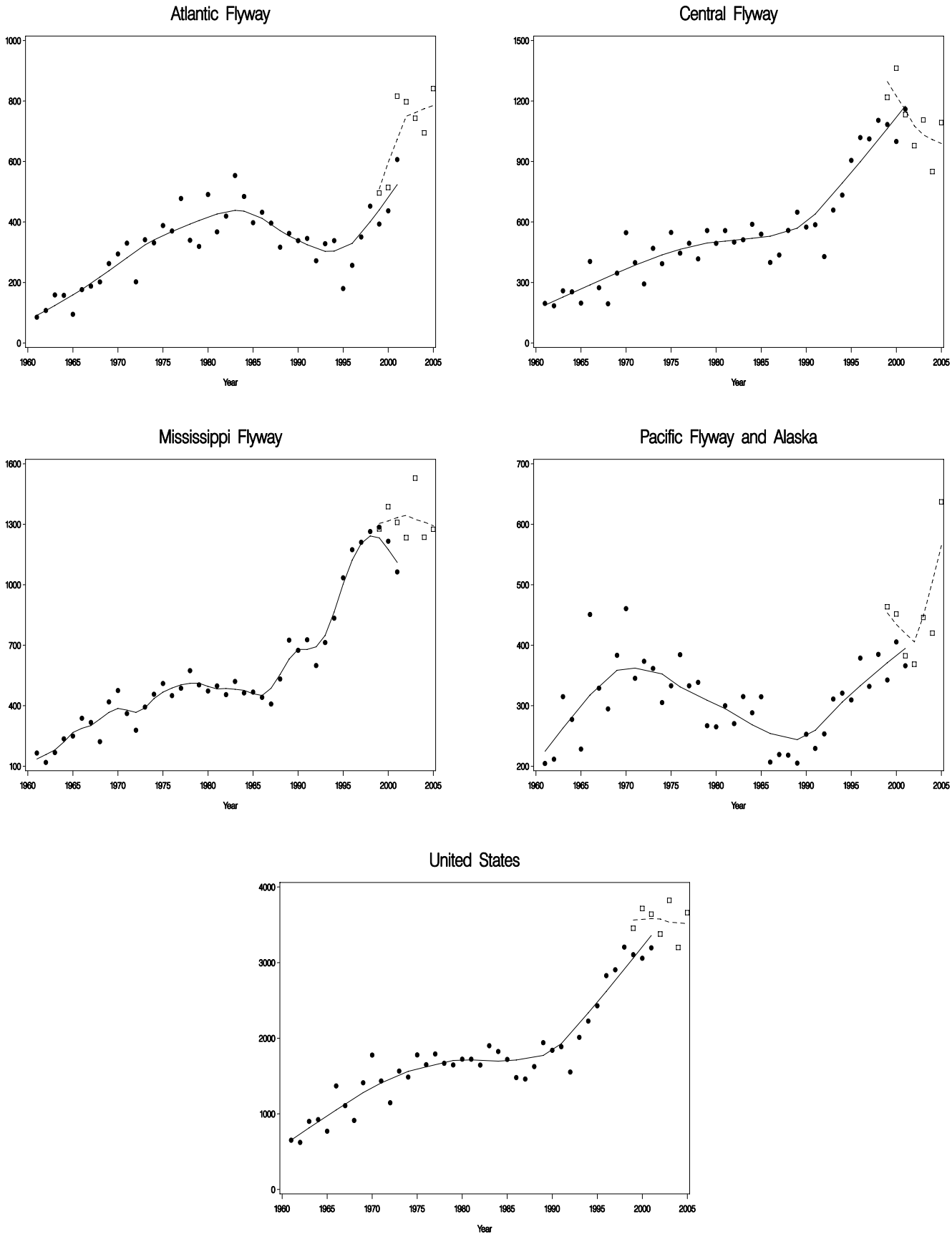

Figure 3. Number of geese harvested (in thousands) by hunters in the United States, 1961-2005. (Federal Duck Stamp survey - circles and solid line; HIP survey - squares and dashed line.)

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2004 and 2005 hunting seasons.

	Connecticut		Delaware		Florida	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	11,877	13,857	21,054	18,501	345	822
Domestic Mallard	77	50	68	265	345	352
Black Duck	3,085	3,615	4,211	5,438	0	0
Mallard x Black Duck Hybrid	308	301	815	995	173	235
Mottled Duck	0	0	0	0	15,097	10,504
Gadwall	154	251	611	3,581	259	2,054
Wigeon	77	100	679	1,326	4,055	4,225
Green-winged Teal	1,080	1,054	7,742	4,907	10,956	16,725
Blue-winged/Cinnamon Teal	0	0	407	133	55,990	46,653
Northern Shoveler	0	0	1,562	1,326	2,502	8,098
Northern Pintail	0	100	1,630	1,592	949	5,516
Wood Duck	2,545	2,460	3,939	1,525	8,541	8,157
Redhead	0	0	0	66	518	2,582
Canvasback	0	0	0	66	0	411
Greater Scaup	308	201	68	66	604	235
Lesser Scaup	0	50	272	597	6,988	9,272
Ring-necked Duck	0	351	272	1,326	34,077	50,937
Goldeneyes	308	402	68	0	0	59
Bufflehead	231	502	883	862	1,208	763
Ruddy Duck	0	0	272	265	86	1,291
Long-tailed Duck	4,727	400	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	1,773	1,300	900	900	0	0
Hooded Merganser	77	50	679	398	2,502	2,993
Other Mergansers	771	954	68	398	431	117
Other Ducks	0	0	0	66	2,674	2,699
Total Duck Harvest	27,400±19%	26,000±26%	46,200±18%	44,600±19%	148,300±39%	174,700±23%
Total Active Duck Hunters[a]	2,900±15%	3,000±15%	4,500±12%	4,500±13%	12,400±26%	11,200±20%
Total Duck Hunter Days Afield[a]	16,700±18%	20,700±22%	32,400±16%	33,000±17%	75,600±40%	73,400±22%
Seasonal Duck Harvest Per Hunter[a]	7.2±24%	8.0±30%	10.1±22%	9.8±23%	12.0±47%	15.6±31%
Goose Species Composition						
Canada Goose	20,400	20,900	14,003	19,029	---	0
Snow Goose	0	0	12,397	6,508	---	0
Blue Goose	0	0	0	0	---	0
Ross's Goose	0	0	0	0	---	0
White-fronted Goose	0	0	0	0	---	0
Brant	1,000	700	600	1,500	---	0
Other Geese	0	0	0	62	---	0
Total Goose Harvest	21,400±28%	21,600±27%	27,000±24%	27,100±19%	300±195%[c]	0
Total Active Goose Hunters[b]	3,000±12%	2,900±16%	4,300±12%	4,300±13%	200±138%	100±195%
Total Goose Hunter Days Afield[b]	17,500±19%	17,000±18%	28,700±22%	25,900±17%	1,100±151%	300±195%
Seasonal Goose Harvest Per Hunter[b]	6.8±31%	7.2±31%	6.1±27%	6.0±23%	1.5±239%	0
Active Waterfowl Hunters	4,000±12%	4,100±12%	5,900±9%	5,500±10%	12,400±26%	11,200±20%
Sample Sizes						
Duck Wings	282	501	672	661	1,719	2,977
Goose Tails	453	626	302	422	0	1

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2004 and 2005 hunting seasons.

	Georgia		Maine		Maryland	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	10,200	5,015	12,218	16,855	69,754	50,749
Domestic Mallard	179	0	106	70	2,598	2,143
Black Duck	0	251	5,765	7,623	15,977	11,401
Mallard x Black Duck Hybrid	179	0	317	979	1,689	1,886
Mottled Duck	0	0	0	0	0	0
Gadwall	3,400	2,759	159	70	2,208	2,829
Wigeon	895	0	264	70	1,169	2,400
Green-winged Teal	3,758	4,263	2,750	3,077	22,732	13,373
Blue-winged/Cinnamon Teal	3,758	3,762	0	909	1,039	1,886
Northern Shoveler	1,074	502	0	140	390	600
Northern Pintail	0	0	159	350	1,169	1,372
Wood Duck	51,537	65,452	4,231	6,224	11,821	10,630
Redhead	0	1,755	0	0	909	429
Canvasback	0	752	0	0	7,534	1,886
Greater Scaup	0	0	0	0	2,338	6,086
Lesser Scaup	358	1,003	0	0	14,808	9,773
Ring-necked Duck	3,579	8,025	529	699	4,936	686
Goldeneyes	0	0	1,745	3,777	1,039	2,143
Bufflehead	537	1,254	1,798	1,609	8,703	9,001
Ruddy Duck	0	502	53	0	649	772
Long-tailed Duck	0	0	1,754	690	1,511	5,228
Eiders	0	0	14,736	10,842	151	0
Scoters	0	0	4,210	2,168	18,738	15,173
Hooded Merganser	2,147	2,006	740	629	1,948	1,372
Other Mergansers	0	0	264	1,818	1,689	686
Other Ducks	0	0	0	0	0	0
Total Duck Harvest	81,600±37%	97,300±32%	51,800±34%	58,600±43%	195,500±15%	152,500±14%
Total Active Duck Hunters[a]	13,200±24%	12,300±30%	5,700±26%	6,200±23%	20,600±9%	17,900±10%
Total Duck Hunter Days Afield[a]	67,500±29%	77,000±37%	26,600±30%	26,700±31%	110,900±12%	100,500±13%
Seasonal Duck Harvest Per Hunter[a]	6.2±44%	7.9±44%	5.5±42%	7.2±49%	8.5±17%	7.4±17%
Goose Species Composition						
Canada Goose	21,200	35,100	7,000	7,826	141,974	170,034
Snow Goose	0	0	0	87	5,426	5,766
Blue Goose	0	0	0	0	0	0
Ross's Goose	0	0	0	0	0	0
White-fronted Goose	0	0	0	87	0	0
Brant	0	0	0	0	800	1,700
Other Geese	0	0	0	0	0	0
Total Goose Harvest	21,200±39%	35,100±54%	7,000±34%	8,000±42%	148,200±11%	177,500±11%
Total Active Goose Hunters[b]	6,600±31%	8,500±29%	3,900±28%	3,400±31%	24,600±7%	25,600±7%
Total Goose Hunter Days Afield[b]	32,000±41%	46,500±42%	14,700±32%	15,100±41%	136,300±10%	143,900±10%
Seasonal Goose Harvest Per Hunter[b]	3.2±50%	4.1±62%	1.8±44%	2.3±52%	6.0±13%	6.9±13%
Active Waterfowl Hunters	13,600±23%	13,600±28%	6,500±24%	7,000±22%	32,400±5%	30,600±6%
Duck Wings	456	388	824	920	1,483	1,701
Goose Tails	219	52	97	92	1,151	1,622

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2004 and 2005 hunting seasons.

	Massachusetts		New Hampshire		New Jersey	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	9,245	10,717	5,185	5,934	15,789	20,143
Domestic Mallard	50	66	0	63	319	441
Black Duck	1,809	3,119	1,131	1,601	8,187	10,982
Mallard x Black Duck Hybrid	201	332	141	283	851	1,214
Mottled Duck	0	0	0	0	0	0
Gadwall	0	33	47	0	691	607
Wigeon	50	66	71	31	585	828
Green-winged Teal	1,156	1,095	754	1,162	7,708	5,408
Blue-winged/Cinnamon Teal	0	66	0	94	0	331
Northern Shoveler	50	0	0	0	266	331
Northern Pintail	0	199	24	0	532	883
Wood Duck	3,165	2,887	2,805	3,359	3,562	4,194
Redhead	0	0	0	0	213	166
Canvasback	0	0	0	0	53	0
Greater Scaup	0	33	0	0	6,167	2,097
Lesser Scaup	0	0	0	0	1,010	1,324
Ring-necked Duck	301	332	71	220	159	331
Goldeneyes	452	133	71	94	159	0
Bufflehead	2,110	1,194	24	220	6,539	8,774
Ruddy Duck	0	33	0	31	159	331
Long-tailed Duck	539	296	46	0	2,014	1,330
Eiders	5,717	8,301	162	185	0	0
Scoters	3,344	3,202	92	615	886	2,470
Hooded Merganser	352	332	236	157	1,435	1,656
Other Mergansers	1,558	863	141	251	1,116	1,104
Other Ducks	0	0	0	0	0	55
Total Duck Harvest	30,100±18%	33,300±24%	11,000±27%	14,300±13%	58,400±14%	65,000±14%
Total Active Duck Hunters[a]	3,100±10%	3,300±11%	1,900±14%	2,300±13%	6,400±9%	6,600±7%
Total Duck Hunter Days Afield[a]	18,900±15%	20,200±17%	12,400±18%	14,400±13%	35,700±14%	42,800±11%
Seasonal Duck Harvest Per Hunter[a]	6.6±21%	6.4±26%	5.6±30%	5.8±18%	8.7±17%	9.3±16%
Goose Species Composition						
Canada Goose	15,200	12,649	3,200	5,300	24,559	24,183
Snow Goose	0	17	0	0	2,941	3,717
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	300	500	100	0	5,000	8,300
Other Geese	0	34	0	0	0	0
Total Goose Harvest	15,500±56%	13,200±22%	3,300±25%	5,300±21%	32,500±19%	36,200±16%
Total Active Goose Hunters[b]	2,400±11%	2,300±14%	1,400±17%	1,900±13%	3,900±12%	4,000±10%
Total Goose Hunter Days Afield[b]	14,300±20%	14,000±20%	7,800±21%	12,600±21%	19,500±15%	20,500±13%
Seasonal Goose Harvest Per Hunter[b]	6.3±57%	5.6±26%	2.3±30%	2.8±25%	7.1±23%	7.0±19%
Active Waterfowl Hunters	4,200±8%	4,400±9%	2,300±13%	2,600±12%	7,300±8%	7,700±6%
Sample Sizes						
Duck Wings	497	847	480	443	1,080	1,169
Goose Tails	358	780	130	186	622	703

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2004 and 2005 hunting seasons.

	New York		North Carolina		Pennsylvania	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	85,379	79,593	47,648	63,049	71,594	66,496
Domestic Mallard	870	704	1,417	1,588	1,454	891
Black Duck	15,438	23,714	3,735	4,309	5,572	7,125
Mallard x Black Duck Hybrid	2,174	2,426	386	1,588	485	198
Mottled Duck	0	0	129	0	0	0
Gadwall	1,522	2,113	9,014	11,113	848	2,573
Wigeon	2,609	2,896	6,310	4,082	363	1,682
Green-winged Teal	10,654	11,583	14,037	25,401	4,967	6,135
Blue-winged/Cinnamon Teal	1,087	2,035	2,576	3,175	121	1,880
Northern Shoveler	290	1,017	3,348	3,856	0	198
Northern Pintail	1,884	2,191	2,704	3,856	485	396
Wood Duck	20,439	21,444	49,708	66,678	27,741	28,597
Redhead	870	1,800	1,803	907	242	891
Canvasback	580	313	515	227	0	0
Greater Scaup	2,392	2,896	1,159	3,402	2,786	2,078
Lesser Scaup	1,957	2,348	31,164	27,896	3,150	2,672
Ring-necked Duck	4,856	3,365	8,886	17,236	2,181	1,781
Goldeneyes	5,581	8,531	258	0	1,211	792
Bufflehead	8,118	9,079	5,795	9,979	5,209	2,078
Ruddy Duck	145	391	1,545	6,577	969	792
Long-tailed Duck	6,195	4,638	0	227	121	99
Eiders	0	497	0	0	0	0
Scoters	4,905	3,065	6,439	4,309	969	99
Hooded Merganser	2,029	2,974	4,894	8,618	3,634	2,474
Other Mergansers	5,726	5,009	1,030	3,629	3,998	2,276
Other Ducks	0	78	0	0	0	99
Total Duck Harvest	185,700±8%	194,700±10%	204,500±47%	271,700±22%	138,100±22%	132,300±14%
Total Active Duck Hunters[a]	19,500±6%	21,500±5%	17,500±34%	24,800±17%	23,500±14%	28,600±13%
Total Duck Hunter Days Afield[a]	123,200±8%	134,700±9%	115,600±43%	155,300±18%	138,900±20%	128,600±12%
Seasonal Duck Harvest Per Hunter[a]	9.0±11%	8.7±11%	11.7±58%	11.0±28%	5.9±26%	4.6±19%
Goose Species Composition						
Canada Goose	109,305	119,980	28,129	73,200	167,600	180,943
Snow Goose	4,460	8,821	0	1,800	3,575	8,249
Blue Goose	0	0	0	600	0	109
Ross's Goose	0	0	0	0	0	0
White-fronted Goose	0	0	0	0	0	0
Brant	5,834	4,700	1,100	6,200	825	0
Other Geese	0	0	471	0	0	0
Total Goose Harvest	119,600±11%	133,500±10%	29,700±57%	81,800±29%	172,000±17%	189,300±13%
Total Active Goose Hunters[b]	16,900±6%	17,500±6%	10,200±46%	19,800±18%	32,500±11%	37,000±10%
Total Goose Hunter Days Afield[b]	95,000±8%	104,400±9%	26,500±41%	81,700±27%	180,800±14%	189,800±11%
Seasonal Goose Harvest Per Hunter[b]	6.9±12%	7.4±11%	2.8±73%	3.8±34%	5.3±20%	5.1±17%
Active Waterfowl Hunters	23,800±5%	25,800±4%	18,700±33%	27,700±16%	43,900±10%	47,900±10%
Sample Sizes						
Duck Wings	2,452	2,482	1,588	1,198	1,140	1,337
Goose Tails	1,511	1,730	243	128	1,251	1,744

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2004 and 2005 hunting seasons.

	Rhode Island		South Carolina		Vermont	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	1,409	2,155	22,480	24,817	10,882	10,689
Domestic Mallard	0	33	1,911	2,345	82	0
Black Duck	1,075	1,459	674	977	1,923	2,319
Mallard x Black Duck Hybrid	185	199	112	1,563	0	181
Mottled Duck	0	0	112	195	0	0
Gadwall	223	298	2,248	782	205	109
Wigeon	371	265	2,136	586	245	254
Green-winged Teal	74	133	17,422	15,438	2,495	2,718
Blue-winged/Cinnamon Teal	0	0	8,542	14,265	245	652
Northern Shoveler	0	0	899	1,759	82	145
Northern Pintail	37	0	337	195	450	145
Wood Duck	371	265	68,226	78,751	4,336	3,805
Redhead	0	33	337	195	0	0
Canvasback	37	0	112	0	0	0
Greater Scaup	111	66	112	195	82	181
Lesser Scaup	74	66	2,810	1,954	123	362
Ring-necked Duck	74	33	6,070	12,702	695	725
Goldeneyes	371	133	0	0	1,432	1,920
Bufflehead	297	398	562	1,954	123	181
Ruddy Duck	0	0	0	195	0	217
Long-tailed Duck	48	0	0	195	41	254
Eiders	820	3,069	0	0	0	0
Scoters	932	1,631	0	782	41	254
Hooded Merganser	148	298	3,147	6,253	245	109
Other Mergansers	742	464	0	0	573	181
Other Ducks	0	0	450	0	0	0
Total Duck Harvest	7,400±17%	11,000±24%	138,700±15%	166,100±17%	24,300±29%	25,400±16%
Total Active Duck Hunters[a]	800±15%	1,000±20%	15,400±18%	19,400±16%	2,600±24%	2,400±25%
Total Duck Hunter Days Afield[a]	5,400±17%	6,000±21%	89,300±13%	111,000±16%	17,100±25%	20,200±41%
Seasonal Duck Harvest Per Hunter[a]	7.0±23%	6.5±31%	9.0±24%	8.6±23%	9.3±38%	10.6±30%
Goose Species Composition						
Canada Goose	4,378	3,086	16,961	27,600	7,127	9,341
Snow Goose	22	14	170	0	1,740	359
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	300	700	0	0	33	0
Other Geese	0	0	170	0	0	0
Total Goose Harvest	4,700±28%	3,800±23%	17,300±36%	27,600±37%	8,900±28%	9,700±30%
Total Active Goose Hunters[b]	800±17%	900±22%	6,500±29%	8,000±22%	2,200±21%	2,200±24%
Total Goose Hunter Days Afield[b]	5,300±26%	4,700±25%	20,300±30%	32,900±35%	11,300±28%	13,300±46%
Seasonal Goose Harvest Per Hunter[b]	5.5±33%	3.6±31%	2.7±46%	3.5±43%	4.0±35%	4.4±38%
Active Waterfowl Hunters	1,200±11%	1,400±15%	16,700±19%	19,800±16%	2,900±23%	3,300±24%
Sample Sizes						
Duck Wings	263	311	1,234	850	594	701
Goose Tails	208	248	102	44	266	324

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2004 and 2005 hunting seasons.

	Virginia		West Virginia		Flyway Total	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	41,054	53,538	3,104	1,374	439,216	444,305
Domestic Mallard	520	545	61	0	10,055	9,557
Black Duck	7,102	9,260	578	214	76,263	93,406
Mallard x Black Duck Hybrid	779	1,245	61	31	8,857	13,655
Mottled Duck	0	0	0	0	15,339	10,700
Gadwall	5,890	5,136	30	31	27,509	34,337
Wigeon	1,732	2,023	30	31	21,642	20,867
Green-winged Teal	11,606	8,171	122	31	120,014	120,672
Blue-winged/Cinnamon Teal	173	1,245	30	61	73,970	77,147
Northern Shoveler	606	700	0	0	11,069	18,672
Northern Pintail	866	545	0	0	11,226	17,339
Wood Duck	18,968	16,886	1,491	2,168	283,426	323,482
Redhead	953	467	0	0	5,844	9,291
Canvasback	1,126	778	0	0	9,957	4,433
Greater Scaup	1,126	700	0	0	17,254	18,237
Lesser Scaup	3,378	6,381	0	0	66,091	63,698
Ring-necked Duck	10,826	10,272	30	0	77,542	109,021
Goldeneyes	433	856	0	0	13,129	18,838
Bufflehead	12,212	8,093	0	0	54,348	55,941
Ruddy Duck	953	311	30	0	4,862	11,709
Long-tailed Duck	3,912	1,642	0	0	20,909	14,999
Eiders	0	0	0	0	21,585	22,893
Scoters	7,388	6,158	0	0	50,617	42,125
Hooded Merganser	3,205	3,657	30	61	27,450	34,037
Other Mergansers	1,992	311	0	0	20,099	18,061
Other Ducks	0	78	0	0	3,124	3,076
Total Duck Harvest	136,800±17%	139,000±16%	5,600±31%	4,000±45%	1,491,400±9%	1,610,500±6%
Total Active Duck Hunters[a]	16,900±11%	18,600±11%	1,100±27%	800±28%		
Total Duck Hunter Days Afield[a]	88,600±13%	98,700±15%	5,200±34%	4,100±33%	980,000±7%	1,067,300±5%
Seasonal Duck Harvest Per Hunter[a]	7.4±20%	7.1±19%	5.1±42%	4.9±53%		
Goose Species Composition						
Canada Goose	54,983	61,444	7,400	3,900	643,419	774,515
Snow Goose	817	56	0	0	31,548	35,394
Blue Goose	0	0	0	0	0	709
Ross's Goose	0	0	0	0	0	0
White-fronted Goose	0	0	0	0	0	87
Brant	2,800	6,100	0	0	18,693	30,400
Other Geese	0	0	0	0	640	96
Total Goose Harvest	58,600±16%	67,600±14%	7,400±60%	3,900±67%	694,600±6%[c]	841,200±6%
Total Active Goose Hunters[b]	12,900±11%	14,500±11%	1,100±30%	500±34%		
Total Goose Hunter Days Afield[b]	63,400±14%	70,400±13%	7,100±46%	3,700±41%	681,600±5%	796,300±6%
Seasonal Goose Harvest Per Hunter[b]	4.3±19%	4.3±18%	6.7±67%	7.1±75%		
Active Waterfowl Hunters	20,600±9%	25,000±9%	1,400±24%	1,000±25%		
Sample Sizes						
Duck Wings	1,475	1,705	184	131	16,423	18,322
Goose Tails	780	1,154	234	159	7,927	10,015

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2004 and 2005 hunting seasons.

	Alabama		Arkansas		Illinois	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	29,404	20,138	556,533	475,075	194,135	209,044
Domestic Mallard	684	0	0	0	562	589
Black Duck	1,710	1,467	319	835	2,059	2,944
Mallard x Black Duck Hybrid	0	133	0	0	0	589
Mottled Duck	0	400	319	835	0	0
Gadwall	25,643	50,546	177,759	177,005	23,214	26,106
Wigeon	684	2,267	24,530	24,630	4,306	9,029
Green-winged Teal	5,129	7,068	147,814	125,239	16,662	24,928
Blue-winged/Cinnamon Teal	6,496	4,534	18,158	23,796	7,114	14,721
Northern Shoveler	2,393	2,134	59,253	60,532	7,676	14,133
Northern Pintail	0	934	16,565	22,961	3,931	6,281
Wood Duck	75,903	34,142	91,747	119,812	28,268	31,013
Redhead	342	133	1,593	2,505	1,498	3,337
Canvasback	0	1,600	0	835	936	4,711
Greater Scaup	2,051	133	2,230	2,087	2,434	1,963
Lesser Scaup	5,812	934	8,283	12,941	5,429	13,151
Ring-necked Duck	13,676	6,535	16,247	24,213	14,228	12,562
Goldeneyes	684	400	0	417	2,621	1,963
Bufflehead	3,419	400	956	835	1,685	1,767
Ruddy Duck	684	667	0	0	374	0
Long-tailed Duck	0	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	0	0	1,310	785
Hooded Merganser	4,787	1,734	4,460	5,845	1,685	589
Other Mergansers	0	0	0	0	374	196
Other Ducks	0	0	637	0	0	0
Total Duck Harvest	179,500±45%	136,300±34%	1,127,400±12%	1,080,400±14%	320,500±12%	380,400±11%
Total Active Duck Hunters	12,400±24%	10,200±29%	67,800±8%	64,900±9%	37,300±8%	31,600±9%
Total Duck Hunter Days Afield	96,600±32%	61,800±29%	538,000±11%	462,700±13%	314,100±11%	260,900±10%
Seasonal Duck Harvest Per Hunter	14.5±51%	13.4±44%	16.6±15%	16.7±17%	8.6±14%	12.0±15%
Goose Species Composition						
Canada Goose	22,500	16,514	10,127	19,962	101,362	102,707
Snow Goose	0	486	44,241	51,754	793	2,698
Blue Goose	0	0	28,783	36,967	476	2,890
Ross's Goose	0	0	533	0	0	578
White-fronted Goose	0	0	29,316	26,616	1,269	1,927
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	22,500±59%	17,000±54%	113,000±27%	135,300±23%	103,900±17%	110,800±21%
Total Active Goose Hunters	5,500±33%	4,900±42%	22,800±15%	24,000±15%	27,900±10%	26,400±10%
Total Goose Hunter Days Afield	19,700±38%	40,000±90%	85,800±19%	108,800±25%	217,700±14%	187,900±13%
Seasonal Goose Harvest Per Hunter	4.1±67%	3.5±69%	5.0±31%	5.6±27%	3.7±19%	4.2±23%
Active Waterfowl Hunters	12,900±24%	10,600±28%	68,900±8%	65,500±9%	42,100±7%	38,100±9%
Sample Sizes						
Duck Wings	525	1,022	3,539	2,588	1,712	1,938
Goose Tails	11	35	212	183	655	575

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2004 and 2005 hunting seasons.

	Indiana		Iowa		Kentucky	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	71,569	76,069	54,700	77,872	130,324	115,244
Domestic Mallard	0	404	224	540	878	435
Black Duck	1,961	2,154	224	180	5,266	9,133
Mallard x Black Duck Hybrid	163	0	224	180	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	2,778	11,713	10,761	9,891	8,337	16,526
Wigeon	1,634	942	4,484	2,338	3,510	6,523
Green-winged Teal	3,922	7,809	16,814	21,221	7,021	5,219
Blue-winged/Cinnamon Teal	2,451	5,789	28,471	39,026	2,194	6,958
Northern Shoveler	654	2,558	3,811	4,496	1,755	1,305
Northern Pintail	654	1,077	3,139	4,316	4,388	1,740
Wood Duck	14,379	17,099	52,906	38,127	17,113	16,091
Redhead	490	135	897	1,259	1,755	1,740
Canvasback	0	404	448	180	878	435
Greater Scaup	163	539	448	180	1,316	435
Lesser Scaup	490	539	1,345	899	5,704	4,349
Ring-necked Duck	1,307	539	5,380	3,237	2,633	435
Goldeneyes	163	942	0	360	0	435
Bufflehead	2,941	1,346	224	360	3,510	0
Ruddy Duck	0	269	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	980	269	0	540	878	0
Other Mergansers	0	404	0	0	439	0
Other Ducks	0	0	0	0	0	0
Total Duck Harvest	106,700±18%	131,000±29%	184,500±13%	205,200±21%	197,900±33%	187,000±30%
Total Active Duck Hunters	13,000±11%	13,300±11%	20,400±10%	17,300±12%	12,100±19%	15,700±19%
Total Duck Hunter Days Afield	102,000±18%	100,100±16%	203,000±19%	128,900±17%	151,200±37%	138,600±28%
Seasonal Duck Harvest Per Hunter	8.2±21%	9.8±31%	9.0±17%	11.8±24%	16.4±38%	12.0±36%
Goose Species Composition						
Canada Goose	69,900	57,975	70,257	78,615	45,031	35,035
Snow Goose	0	206	348	585	495	865
Blue Goose	0	206	696	0	495	0
Ross's Goose	0	103	0	0	0	0
White-fronted Goose	0	411	0	0	1,979	0
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	69,900±22%	58,900±16%	71,300±26%	79,200±20%	48,000±47%	35,900±33%
Total Active Goose Hunters	14,900±10%	12,900±10%	15,000±11%	15,500±13%	11,200±20%	9,800±23%
Total Goose Hunter Days Afield	111,300±14%	90,200±13%	118,300±19%	103,200±18%	106,500±34%	73,500±31%
Seasonal Goose Harvest Per Hunter	4.7±24%	4.6±19%	4.8±29%	5.1±24%	4.3±51%	3.7±41%
Active Waterfowl Hunters	15,700±10%	14,900±10%	23,900±9%	20,800±11%	12,900±18%	16,400±19%
Sample Sizes						
Duck Wings	653	973	823	1,141	451	430
Goose Tails	350	573	205	406	97	83

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2004 and 2005 hunting seasons.

	Louisiana		Michigan		Minnesota	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	80,355	101,308	158,927	135,463	179,277	169,582
Domestic Mallard	0	0	1,098	185	838	240
Black Duck	365	0	9,659	9,412	279	719
Mallard x Black Duck Hybrid	183	306	1,098	1,107	558	0
Mottled Duck	34,699	25,097	0	0	0	0
Gadwall	183,904	168,949	5,707	5,168	31,276	15,090
Wigeon	27,577	23,873	6,366	3,507	24,574	13,174
Green-winged Teal	116,333	149,361	22,829	20,486	44,959	27,545
Blue-winged/Cinnamon Teal	157,971	92,126	2,634	5,168	106,114	50,539
Northern Shoveler	33,968	44,992	439	2,399	17,313	13,174
Northern Pintail	15,523	33,667	9,878	3,137	14,242	9,820
Wood Duck	77,981	109,572	39,732	32,113	127,616	98,204
Redhead	3,287	7,346	3,293	12,181	9,494	16,767
Canvasback	1,461	7,040	0	1,476	4,747	8,623
Greater Scaup	1,644	1,836	7,683	10,335	3,072	1,437
Lesser Scaup	26,116	36,728	12,951	7,013	12,008	12,934
Ring-necked Duck	52,414	65,498	8,561	7,567	75,118	75,689
Goldeneyes	183	0	11,195	3,507	9,494	7,186
Bufflehead	1,278	1,224	21,073	15,687	8,936	3,832
Ruddy Duck	0	306	220	1,476	1,955	479
Long-tailed Duck	0	0	1,098	2,030	558	0
Eiders	0	0	0	0	0	0
Scoters	0	0	1,098	2,768	838	719
Hooded Merganser	3,835	4,285	4,171	1,476	9,215	4,790
Other Mergansers	731	0	3,293	738	1,117	958
Other Ducks	2,192	4,285	0	0	0	0
Total Duck Harvest	822,000±13%	877,800±14%	333,000±15%	284,400±12%	683,600±10%	531,500±12%
Total Active Duck Hunters	52,200±10%	48,400±11%	43,100±9%	40,900±10%	89,600±7%	71,000±8%
Total Duck Hunter Days Afield	449,500±14%	333,000±15%	270,600±10%	225,200±11%	595,600±12%	404,100±11%
Seasonal Duck Harvest Per Hunter	15.7±16%	18.2±18%	7.7±17%	7.0±16%	7.6±13%	7.5±15%
Goose Species Composition						
Canada Goose	0	2,962	130,000	141,800	234,062	207,266
Snow Goose	29,351	25,913	0	0	360	234
Blue Goose	38,093	68,115	0	0	1,079	0
Ross's Goose	624	1,481	0	0	0	0
White-fronted Goose	51,832	59,230	0	0	0	0
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	119,900±36%	157,700±26%	130,000±15%	141,800±16%	235,500±13%	207,500±13%
Total Active Goose Hunters	17,000±16%	19,500±14%	34,300±9%	38,000±10%	72,100±7%	58,600±9%
Total Goose Hunter Days Afield	96,000±23%	116,800±26%	177,200±12%	186,600±12%	470,600±11%	366,300±12%
Seasonal Goose Harvest Per Hunter	7.1±39%	8.1±30%	3.8±17%	3.7±18%	3.3±15%	3.5±16%
Active Waterfowl Hunters	54,200±10%	50,100±11%	53,900±8%	52,300±9%	107,400±6%	81,000±8%
Sample Sizes						
Duck Wings	4,501	2,868	1,517	1,541	2,448	2,219
Goose Tails	192	213	540	589	655	888

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2004 and 2005 hunting seasons.

	Mississippi		Missouri		Ohio	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	127,029	155,981	175,545	242,104	77,507	59,826
Domestic Mallard	0	227	193	559	212	1,035
Black Duck	507	453	0	559	2,973	3,312
Mallard x Black Duck Hybrid	0	0	0	0	425	207
Mottled Duck	0	0	0	0	0	0
Gadwall	50,203	48,291	59,030	65,368	1,911	9,730
Wigeon	9,128	8,162	11,189	9,498	1,911	1,449
Green-winged Teal	19,777	32,874	25,850	39,854	11,892	7,038
Blue-winged/Cinnamon Teal	1,521	2,494	6,173	17,506	4,459	6,003
Northern Shoveler	11,410	14,510	12,539	26,073	1,911	1,449
Northern Pintail	3,550	3,854	4,051	10,988	849	1,035
Wood Duck	40,314	26,752	18,326	25,514	26,968	17,389
Redhead	761	1,587	386	3,166	1,062	1,242
Canvasback	254	0	0	931	0	414
Greater Scaup	254	0	0	186	1,062	207
Lesser Scaup	11,156	2,721	2,315	3,725	1,486	2,484
Ring-necked Duck	5,832	4,081	9,645	14,154	1,486	5,175
Goldeneyes	0	0	193	1,490	849	1,242
Bufflehead	1,014	680	193	0	1,062	2,691
Ruddy Duck	507	0	386	186	637	207
Long-tailed Duck	0	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	386	0	0	0
Hooded Merganser	6,085	1,134	1,929	2,980	1,699	1,656
Other Mergansers	0	0	772	372	637	207
Other Ducks	0	0	0	186	0	0
Total Duck Harvest	289,300±19%	303,800±26%	329,100±19%	465,400±28%	141,000±17%	124,000±17%
Total Active Duck Hunters	19,200±14%	18,200±22%	28,500±13%	28,700±13%	21,500±17%	20,300±18%
Total Duck Hunter Days Afield	130,600±14%	118,200±26%	213,600±18%	221,700±20%	134,600±19%	122,700±17%
Seasonal Duck Harvest Per Hunter	15.1±24%	16.7±34%	11.5±23%	16.2±31%	6.6±24%	6.1±25%
Goose Species Composition						
Canada Goose	8,707	2,864	8,774	39,270	96,000	90,100
Snow Goose	5,378	8,591	25,544	25,148	0	0
Blue Goose	4,354	11,045	11,772	12,574	0	0
Ross's Goose	1,024	1,227	2,777	1,548	0	0
White-fronted Goose	1,537	3,273	333	1,161	0	0
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	21,000±29%	27,000±55%	49,200±44%	79,700±35%	96,000±17%	90,100±16%
Total Active Goose Hunters	6,500±25%	4,600±39%	13,100±18%	16,200±15%	27,000±14%	23,000±15%
Total Goose Hunter Days Afield	31,800±40%	17,000±46%	59,900±24%	71,400±20%	160,000±18%	143,900±17%
Seasonal Goose Harvest Per Hunter	3.2±38%	5.9±68%	3.8±47%	4.9±38%	3.6±22%	3.9±22%
Active Waterfowl Hunters	19,400±14%	18,300±22%	30,900±12%	33,700±12%	26,500±15%	25,400±17%
Sample Sizes						
Duck Wings	1,141	1,340	1,706	2,499	664	599
Goose Tails	82	66	443	412	270	346

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2004 and 2005 hunting seasons.

	Tennessee		Wisconsin		Flyway Total	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	191,225	92,869	173,400	118,808	2,199,931	2,049,383
Domestic Mallard	0	327	327	0	5,015	4,539
Black Duck	7,426	2,943	2,945	2,254	35,692	36,365
Mallard x Black Duck Hybrid	0	327	0	0	2,651	2,849
Mottled Duck	0	0	0	0	35,018	26,333
Gadwall	56,625	22,890	17,340	8,049	654,488	635,321
Wigeon	14,852	4,578	15,050	11,269	149,793	121,240
Green-winged Teal	14,852	8,502	44,168	36,705	498,019	513,850
Blue-winged/Cinnamon Teal	464	1,308	21,266	44,110	365,488	314,079
Northern Shoveler	1,857	3,924	3,926	3,864	158,905	195,542
Northern Pintail	2,321	3,924	11,451	3,542	90,542	107,276
Wood Duck	38,524	30,084	79,829	77,596	729,608	673,507
Redhead	5,570	1,962	4,908	8,693	35,334	62,051
Canvasback	464	1,308	1,636	4,830	10,824	32,786
Greater Scaup	464	0	5,235	5,474	28,056	24,812
Lesser Scaup	4,641	3,924	10,797	9,015	108,534	111,357
Ring-necked Duck	17,637	7,848	9,815	12,557	233,979	240,090
Goldeneyes	0	327	4,908	5,152	30,290	23,420
Bufflehead	1,392	0	12,105	13,201	59,789	42,024
Ruddy Duck	464	0	0	644	5,227	4,235
Long-tailed Duck	0	0	3,272	2,898	4,928	4,928
Eiders	0	0	0	0	0	0
Scoters	0	327	654	322	4,286	4,921
Hooded Merganser	1,857	327	5,889	4,830	47,469	30,454
Other Mergansers	464	0	982	1,288	8,808	4,164
Other Ducks	0	0	0	0	2,829	4,471
Total Duck Harvest	361,100±41%	187,700±32%	429,900±10%	375,100±12%	5,505,500±5%	5,270,000±5%
Total Active Duck Hunters	21,500±29%	13,100±33%	67,400±8%	56,100±10%		
Total Duck Hunter Days Afield	210,700±35%	103,900±38%	447,100±9%	393,900±16%	3,857,300±4%	3,075,500±5%
Seasonal Duck Harvest Per Hunter	16.8±50%	14.3±45%	6.4±13%	6.7±16%		
Goose Species Composition						
Canada Goose	58,100	26,400	97,300	106,988	952,120	928,457
Snow Goose	0	0	0	0	106,509	116,479
Blue Goose	0	0	0	675	85,747	132,472
Ross's Goose	0	0	0	0	4,958	4,936
White-fronted Goose	0	0	0	338	86,266	92,956
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	58,100±52%	26,400±52%	97,300±16%	108,000±17%	1,235,600±7%	1,275,300±6%
Total Active Goose Hunters	17,800±29%	11,600±33%	51,100±9%	51,100±9%		
Total Goose Hunter Days Afield	117,700±38%	95,400±57%	314,400±12%	327,600±15%	2,086,800±5%	1,928,500±6%
Seasonal Goose Harvest Per Hunter	3.3±60%	2.3±62%	1.9±18%	2.1±19%		
Active Waterfowl Hunters	22,300±28%	13,200±32%	88,500±7%	82,300±8%		
Sample Sizes						
Duck Wings	778	574	1,314	1,165	21,772	20,897
Goose Tails	32	59	289	320	4,033	4,748

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2004 and 2005 hunting seasons.

	Colorado		Kansas		Nebraska	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	65,582	48,352	133,582	84,193	95,874	89,415
Domestic Mallard	0	0	0	0	121	0
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	9,038	11,534	41,374	21,629	12,848	9,495
Wigeon	11,008	8,326	13,371	7,332	11,272	9,043
Green-winged Teal	11,239	10,006	31,913	15,397	22,787	17,408
Blue-winged/Cinnamon Teal	11,935	9,548	25,985	11,975	10,666	19,330
Northern Shoveler	3,128	3,972	5,298	4,277	2,424	3,617
Northern Pintail	1,390	993	3,280	3,666	3,030	3,052
Wood Duck	2,781	1,222	3,027	1,589	3,273	4,748
Redhead	579	1,680	2,018	3,788	970	3,391
Canvasback	0	306	252	489	0	452
Greater Scaup	116	0	126	0	0	113
Lesser Scaup	927	458	1,766	244	848	339
Ring-necked Duck	1,390	1,451	4,793	2,688	1,333	2,487
Goldeneyes	2,665	687	1,514	122	364	226
Bufflehead	348	229	1,009	122	485	1,356
Ruddy Duck	0	153	126	122	121	0
Long-tailed Duck	0	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	126	0	0	113
Hooded Merganser	116	153	1,388	367	485	0
Other Mergansers	1,159	229	126	0	0	113
Other Ducks	0	0	126	0	0	0
Total Duck Harvest	123,400±16%	99,300±16%	271,200±21%	158,000±21%	166,900±12%	164,700±18%
Total Active Duck Hunters	13,600±11%	12,300±13%	19,200±13%	11,600±17%	16,800±10%	15,600±12%
Total Duck Hunter Days Afield	85,400±14%	66,700±14%	124,000±15%	87,700±23%	129,100±10%	110,900±15%
Seasonal Duck Harvest Per Hunter	9.1±20%	8.1±21%	14.1±25%	13.7±27%	9.9±15%	10.6±22%
Goose Species Composition						
Canada Goose	64,395	74,768	80,218	99,178	62,672	100,078
Snow Goose	9,199	10,776	11,231	6,211	4,242	7,992
Blue Goose	242	333	3,646	1,165	2,893	2,361
Ross's Goose	2,542	1,222	2,917	776	1,350	1,271
White-fronted Goose	121	0	5,688	970	1,543	1,998
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	76,500±16%	87,100±17%	103,700±19%	108,300±35%	72,700±16%	113,700±16%
Total Active Goose Hunters	14,700±11%	14,600±11%	15,500±14%	12,000±18%	15,100±10%	15,400±11%
Total Goose Hunter Days Afield	92,200±13%	84,300±12%	98,000±19%	84,800±26%	117,500±12%	129,200±14%
Seasonal Goose Harvest Per Hunter	5.2±19%	6.0±20%	6.7±23%	9.0±39%	4.8±18%	7.4±19%
Active Waterfowl Hunters	21,000±9%	19,500±10%	23,900±12%	13,600±16%	21,000±9%	19,200±10%
Sample Sizes						
Duck Wings	1,065	1,300	2,150	1,293	1,377	1,457
Goose Tails	632	784	711	558	377	626

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2004 and 2005 hunting seasons.

	New Mexico		North Dakota		Oklahoma	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	17,068	11,280	223,924	233,142	186,755	125,375
Domestic Mallard	32	74	117	115	173	0
Black Duck	0	0	0	115	0	0
Mallard x Black Duck Hybrid	0	0	117	0	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	4,396	5,232	125,440	95,382	69,687	57,475
Wigeon	4,041	4,527	44,458	22,286	23,171	16,307
Green-winged Teal	2,586	6,122	31,389	21,594	25,592	29,807
Blue-winged/Cinnamon Teal	550	705	25,205	34,758	3,285	8,955
Northern Shoveler	2,004	1,187	22,404	20,208	7,781	8,688
Northern Pintail	743	1,150	21,004	20,670	5,706	5,614
Wood Duck	485	519	2,217	1,963	8,300	10,426
Redhead	97	408	7,935	20,785	2,248	2,005
Canvasback	65	37	4,784	7,621	346	1,470
Greater Scaup	0	0	350	462	346	134
Lesser Scaup	0	37	20,187	21,709	1,383	2,406
Ring-necked Duck	743	668	8,168	10,277	11,413	14,168
Goldeneyes	226	334	467	115	1,902	535
Bufflehead	162	37	2,684	7,275	173	401
Ruddy Duck	129	0	117	115	173	267
Long-tailed Duck	0	0	0	115	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	117	0	0	0
Hooded Merganser	65	37	817	693	865	1,069
Other Mergansers	453	111	0	0	0	0
Other Ducks	1,455	334	0	0	0	0
Total Duck Harvest	35,300±30%	32,800±38%	541,900±8%	519,400±8%	349,300±22%	285,100±32%
Total Active Duck Hunters	3,300±18%	2,900±20%	36,900±5%	36,300±5%	15,300±13%	16,100±15%
Total Duck Hunter Days Afield	25,600±35%	16,700±28%	194,200±8%	186,700±7%	130,300±18%	107,700±24%
Seasonal Duck Harvest Per Hunter	10.7±35%	11.4±43%	14.7±9%	14.3±9%	22.8±25%	17.8±35%
Goose Species Composition						
Canada Goose	5,510	3,778	118,427	133,043	41,630	29,545
Snow Goose	1,017	2,167	9,568	6,388	2,140	6,591
Blue Goose	0	0	8,079	12,775	389	2,386
Ross's Goose	2,373	1,556	213	913	1,167	2,500
White-fronted Goose	0	0	1,914	183	4,280	1,477
Brant	0	0	0	0	195	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	8,900±59%	7,500±35%	138,200±13%	153,300±13%	49,800±27%	42,500±21%
Total Active Goose Hunters	2,300±23%	2,000±24%	24,700±6%	26,500±6%	10,000±14%	9,900±18%
Total Goose Hunter Days Afield	11,400±37%	8,300±36%	123,100±9%	132,900±9%	44,500±17%	42,900±24%
Seasonal Goose Harvest Per Hunter	3.9±63%	3.8±42%	5.6±14%	5.8±14%	5.0±31%	4.3±27%
Active Waterfowl Hunters	4,300±17%	3,700±18%	40,500±4%	40,600±5%	16,500±13%	17,500±15%
Sample Sizes						
Duck Wings	1,092	884	4,644	4,498	2,020	2,133
Goose Tails	105	135	1,300	840	256	374

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2004 and 2005 hunting seasons.

	South Dakota		Texas		Wyoming	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	93,993	81,701	117,021	171,208	24,975	22,574
Domestic Mallard	0	93	1,979	764	0	163
Black Duck	0	0	0	0	0	0
Mallard x Black Duck Hybrid	194	0	0	0	0	0
Mottled Duck	0	0	14,133	14,904	0	0
Gadwall	35,867	28,511	178,924	269,041	4,290	2,992
Wigeon	17,593	7,478	97,800	126,495	3,241	2,665
Green-winged Teal	17,982	14,396	124,653	241,526	4,861	2,393
Blue-winged/Cinnamon Teal	14,289	14,770	134,264	133,756	1,716	1,142
Northern Shoveler	9,331	8,974	51,444	86,368	953	490
Northern Pintail	4,763	5,141	22,330	37,834	477	490
Wood Duck	3,791	4,020	50,031	42,038	95	272
Redhead	2,236	3,926	18,373	40,127	95	326
Canvasback	583	561	2,827	6,497	0	54
Greater Scaup	583	280	2,261	1,529	0	0
Lesser Scaup	8,068	4,207	33,071	24,840	477	163
Ring-necked Duck	2,138	2,057	37,311	42,802	477	218
Goldeneyes	583	467	283	382	667	1,197
Bufflehead	2,236	1,309	6,219	3,822	191	490
Ruddy Duck	778	467	565	1,146	0	218
Long-tailed Duck	0	0	0	0	0	54
Eiders	0	0	0	0	0	0
Scoters	0	0	0	0	0	0
Hooded Merganser	194	654	1,979	5,732	95	0
Other Mergansers	97	0	1,696	764	191	0
Other Ducks	0	187	12,437	3,822	0	0
Total Duck Harvest	215,300±17%	179,200±14%	909,600±40%	1,255,400±23%	42,800±22%	35,900±16%
Total Active Duck Hunters	18,800±10%	15,500±10%	84,900±20%	91,500±18%	3,400±19%	3,600±17%
Total Duck Hunter Days Afield	110,200±16%	86,200±15%	497,000±42%	488,500±25%	31,300±42%	19,700±18%
Seasonal Duck Harvest Per Hunter	11.5±20%	11.6±18%	10.7±45%	13.7±29%	12.6±29%	9.9±23%
Goose Species Composition						
Canada Goose	96,663	78,822	43,489	83,145	22,602	19,380
Snow Goose	16,719	13,400	114,069	167,330	198	609
Blue Goose	13,207	9,459	19,249	54,045	0	0
Ross's Goose	1,264	473	34,221	44,691	0	55
White-fronted Goose	1,545	946	37,072	108,089	0	0
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	55
Total Goose Harvest	129,400±15%	103,100±22%	248,100±27%	457,300±24%	22,800±23%	20,100±18%
Total Active Goose Hunters	19,200±9%	15,400±10%	47,400±23%	58,800±18%	3,600±17%	4,000±15%
Total Goose Hunter Days Afield	122,600±13%	93,300±14%	140,600±25%	183,500±26%	24,800±30%	20,900±18%
Seasonal Goose Harvest Per Hunter	6.7±18%	6.7±24%	5.2±36%	7.8±30%	6.3±29%	5.0±24%
Active Waterfowl Hunters	25,100±8%	22,300±8%	194,200±9%	110,400±17%	5,600±15%	6,100±12%
Sample Sizes						
Duck Wings	2,215	1,917	3,218	3,285	449	660
Goose Tails	921	654	348	440	115	363

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2004 and 2005 hunting seasons.

	Flyway Total	
Duck Species Composition	2004	2005
Mallard	958,774	867,238
Domestic Mallard	2,422	1,211
Black Duck	0	115
Mallard x Black Duck Hybrid	311	0
Mottled Duck	14,133	14,904
Gadwall	481,863	501,290
Wigeon	225,956	204,460
Green-winged Teal	273,004	358,649
Blue-winged/Cinnamon Teal	227,893	234,939
Northern Shoveler	104,769	137,781
Northern Pintail	62,724	78,610
Wood Duck	74,000	66,796
Redhead	34,551	76,438
Canvasback	8,857	17,487
Greater Scaup	3,782	2,518
Lesser Scaup	66,727	54,404
Ring-necked Duck	67,768	76,816
Goldeneyes	8,671	4,066
Bufflehead	13,505	15,041
Ruddy Duck	2,009	2,489
Long-tailed Duck	0	170
Eiders	0	0
Scoters	243	113
Hooded Merganser	6,003	8,705
Other Mergansers	3,721	1,218
Other Ducks	14,018	4,343
Total Duck Harvest	2,655,700±15%	2,729,800±11%
Total Active Duck Hunters		
Total Duck Hunter Days Afield	1,327,000±16%	1,170,800±11%
Seasonal Duck Harvest Per Hunter		
Goose Species Composition		
Canada Goose	535,606	621,738
Snow Goose	168,384	221,463
Blue Goose	47,705	82,524
Ross's Goose	46,047	53,457
White-fronted Goose	52,163	113,663
Brant	195	0
Other Geese	0	55
Total Goose Harvest	850,200±9%	1,092,900±11%
Total Active Goose Hunters		
Total Goose Hunter Days Afield	774,700±6%	779,900±8%
Seasonal Goose Harvest Per Hunter		
Active Waterfowl Hunters		
Sample Sizes		
Duck Wings	18,230	17,427
Goose Tails	4,765	4,774

Table 1D. Preliminary estimates of waterfowl harvest and hunter activity in the Pacific Flyway during the 2004 and 2005 hunting seasons.

	Arizona		California		Idaho	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	11,295	14,905	359,723	349,758	122,102	172,669
Domestic Mallard	54	0	1,394	1,062	97	255
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	3,480	2,905	132,566	105,034	6,125	10,210
Wigeon	3,854	2,981	196,846	176,871	18,860	29,352
Green-winged Teal	4,871	10,777	348,748	297,573	14,485	17,867
Blue-winged/Cinnamon Teal	2,302	4,968	57,312	58,160	1,555	255
Northern Shoveler	2,248	2,675	147,722	128,802	2,625	4,339
Northern Pintail	535	2,599	98,771	115,657	3,403	6,509
Wood Duck	0	0	22,472	39,437	1,847	2,680
Redhead	910	382	9,581	7,834	2,042	1,021
Canvasback	54	459	11,497	4,780	194	255
Greater Scaup	161	76	10,278	2,789	389	255
Lesser Scaup	268	688	25,956	8,366	2,430	3,190
Ring-necked Duck	2,891	6,191	31,356	16,731	3,305	2,425
Goldeneyes	642	306	4,703	3,585	5,930	5,615
Bufflehead	107	688	15,852	7,170	1,847	510
Ruddy Duck	161	306	3,484	2,257	194	255
Long-tailed Duck	0	0	0	0	97	0
Eiders	0	0	0	0	0	0
Scoters	0	0	523	398	0	0
Hooded Merganser	54	76	1,219	664	292	638
Other Mergansers	0	76	697	266	681	0
Other Ducks	214	841	0	0	0	0
Total Duck Harvest	34,100±20%	51,900±48%	1,480,700±21%	1,327,200±15%	188,500±16%	258,300±16%
Total Active Duck Hunters	3,700±15%	3,000±23%	52,900±11%	47,000±10%	17,100±12%	18,500±12%
Total Duck Hunter Days Afield	21,100±18%	19,400±30%	554,600±16%	486,700±15%	105,700±16%	110,600±15%
Seasonal Duck Harvest Per Hunter	9.2±25%	17.3±53%	28.0±23%	28.3±18%	11.0±20%	14.0±20%
Goose Species Composition						
Canada Goose	1,200	1,360	44,492	49,182	62,327	73,738
Snow Goose	1,200	204	35,355	46,653	124	140
Blue Goose	0	0	0	281	0	0
Ross's Goose	0	136	10,329	7,729	249	0
White-fronted Goose	0	0	39,924	42,156	0	421
Brant	0	0	800	900	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	2,400±51%	1,700±58%	130,900±14%	146,900±21%	62,700±20%	74,300±17%
Total Active Goose Hunters	1,300±28%	800±45%	38,200±11%	32,300±11%	13,300±12%	16,000±10%
Total Goose Hunter Days Afield	8,300±44%	3,700±47%	273,000±15%	248,300±17%	87,300±18%	101,300±17%
Seasonal Goose Harvest Per Hunter	1.8±58%	2.1±74%	3.4±18%	4.5±24%	4.7±24%	4.6±20%
Active Waterfowl Hunters	4,000±14%	3,400±21%	54,700±11%	48,600±10%	19,500±11%	22,200±11%
Sample Sizes						
Duck Wings	637	679	8,500	9,995	1,939	2,024
Goose Tails	18	25	668	1,051	504	529

Table 1D. Preliminary estimates of waterfowl harvest and hunter activity in the Pacific Flyway during the 2004 and 2005 hunting seasons.

	Montana		Nevada		Oregon	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	88,042	85,748	12,367	12,639	89,792	142,771
Domestic Mallard	94	57	46	0	129	96
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	4,701	3,879	7,087	9,231	10,450	18,376
Wigeon	8,414	5,078	2,501	2,834	36,833	51,182
Green-winged Teal	6,628	6,276	5,743	10,265	41,155	61,091
Blue-winged/Cinnamon Teal	2,068	2,225	556	1,341	645	385
Northern Shoveler	1,645	1,769	4,400	4,366	14,643	15,874
Northern Pintail	1,833	2,168	834	3,370	16,643	27,900
Wood Duck	752	1,084	139	728	7,612	10,871
Redhead	1,034	1,255	1,204	1,800	0	577
Canvasback	235	742	324	460	323	289
Greater Scaup	47	57	0	0	5,677	4,137
Lesser Scaup	1,504	1,084	232	153	7,934	5,772
Ring-necked Duck	705	1,483	695	1,111	6,580	6,446
Goldeneyes	1,880	1,940	556	115	1,290	1,828
Bufflehead	517	171	278	536	14,578	5,388
Ruddy Duck	188	0	93	575	258	481
Long-tailed Duck	47	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	0	0	452	481
Hooded Merganser	141	228	46	38	839	962
Other Mergansers	423	57	0	38	968	2,598
Other Ducks	0	0	0	0	0	96
Total Duck Harvest	120,900±13%	115,300±20%	37,100±16%	49,600±15%	256,800±21%	357,600±19%
Total Active Duck Hunters	14,400±12%	12,100±15%	3,500±19%	3,600±17%	18,500±17%	18,700±12%
Total Duck Hunter Days Afield	71,500±13%	64,300±19%	19,900±25%	22,200±17%	124,900±17%	142,000±17%
Seasonal Duck Harvest Per Hunter	8.4±18%	9.6±24%	10.6±25%	13.6±23%	13.9±27%	19.1±22%
Goose Species Composition						
Canada Goose	43,859	35,937	5,235	6,414	67,610	61,600
Snow Goose	1,302	2,532	183	309	945	2,877
Blue Goose	0	0	0	77	0	0
Ross's Goose	340	162	0	0	73	0
White-fronted Goose	0	269	183	0	1,672	1,523
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	45,500±15%	38,900±22%	5,600±27%	6,800±23%	70,300±23%	66,000±29%
Total Active Goose Hunters	12,800±13%	9,700±16%	2,400±21%	2,500±19%	13,300±16%	11,500±14%
Total Goose Hunter Days Afield	61,900±22%	42,500±18%	10,500±28%	11,900±24%	82,400±25%	66,600±21%
Seasonal Goose Harvest Per Hunter	3.6±19%	4.0±27%	2.3±34%	2.8±30%	5.3±28%	5.7±32%
Active Waterfowl Hunters	19,400±10%	14,500±13%	4,000±18%	4,200±16%	21,100±16%	20,800±12%
Sample Sizes						
Duck Wings	2,572	2,021	801	1,295	3,981	3,717
Goose Tails	804	722	92	88	967	780

Table 1D. Preliminary estimates of waterfowl harvest and hunter activity in the Pacific Flyway during the 2004 and 2005 hunting seasons.

	Utah		Washington		Flyway Total	
Duck Species Composition	2004	2005	2004	2005	2004	2005
Mallard	67,935	85,014	178,118	212,209	929,374	1,075,713
Domestic Mallard	75	169	168	95	2,057	1,735
Black Duck	0	0	0	0	0	0
Mallard x Black Duck Hybrid	0	0	0	95	0	95
Mottled Duck	0	0	0	0	0	0
Gadwall	25,898	34,782	12,081	7,436	202,387	191,852
Wigeon	16,740	21,443	62,840	57,771	346,888	347,513
Green-winged Teal	28,825	51,836	29,113	40,993	479,569	496,678
Blue-winged/Cinnamon Teal	7,582	9,793	503	191	72,523	77,318
Northern Shoveler	19,667	14,943	10,739	12,679	203,689	185,448
Northern Pintail	10,209	23,385	9,313	21,450	141,540	203,037
Wood Duck	75	0	3,440	1,335	36,337	56,135
Redhead	4,804	5,910	3,104	2,097	22,679	20,877
Canvasback	976	1,520	1,342	858	14,945	9,362
Greater Scaup	450	422	5,034	3,909	22,035	11,645
Lesser Scaup	2,552	3,799	10,655	5,053	51,531	28,105
Ring-necked Duck	2,252	3,039	8,138	10,677	55,922	48,103
Goldeneyes	5,930	6,923	4,866	7,150	25,798	27,461
Bufflehead	1,727	4,306	8,977	7,531	43,883	26,301
Ruddy Duck	1,802	1,773	168	95	6,347	5,742
Long-tailed Duck	0	84	252	0	396	84
Eiders	0	0	0	0	0	0
Scoters	0	84	2,265	2,383	3,239	3,347
Hooded Merganser	75	84	1,426	1,430	4,092	4,121
Other Mergansers	1,126	591	671	667	4,565	4,293
Other Ducks	0	0	84	95	298	1,032
Total Duck Harvest	198,700±14%	269,900±19%	353,300±14%	396,200±16%	2,670,200±12%	2,826,000±8%
Total Active Duck Hunters	16,400±11%	17,000±11%	22,400±10%	23,400±10%		
Total Duck Hunter Days Afield	116,600±15%	122,900±17%	163,200±13%	166,300±13%	1,177,200±8%	1,134,500±8%
Seasonal Duck Harvest Per Hunter	12.1±18%	15.9±22%	15.8±17%	17.0±19%		
Goose Species Composition						
Canada Goose	20,940	30,394	72,147	68,195	317,810	326,820
Snow Goose	80	0	1,535	10,713	40,724	63,428
Blue Goose	0	0	0	0	0	358
Ross's Goose	80	0	0	0	11,070	8,026
White-fronted Goose	0	106	118	691	41,897	45,167
Brant	0	0	500	1,100	1,300	2,000
Other Geese	0	0	0	0	0	0
Total Goose Harvest	21,100±17%	30,500±18%	74,300±17%	80,700±16%	412,800±8%	445,800±9%
Total Active Goose Hunters	10,800±11%	10,800±12%	13,200±12%	15,000±9%		
Total Goose Hunter Days Afield	69,000±17%	70,900±16%	66,400±14%	86,300±14%	658,800±8%	631,500±8%
Seasonal Goose Harvest Per Hunter	2.0±20%	2.8±22%	5.6±21%	5.3±19%		
Active Waterfowl Hunters	17,300±10%	19,300±10%	26,200±9%	26,600±9%		
Sample Sizes						
Duck Wings	2,647	3,197	4,211	4,156	25,288	27,084
Goose Tails	264	289	635	702	3,952	4,186

Table 1E. Preliminary estimates of waterfowl harvest and hunter activity in Alaska and the entire US during the 2004 and 2005 hunting seasons.

	Alaska		United States Total	
Duck Species Composition	2004	2005	2004	2005
Mallard	21,479	30,288	4,548,774	4,466,927
Domestic Mallard	0	0	19,548	17,041
Black Duck	0	0	111,954	129,886
Mallard x Black Duck Hybrid	0	0	11,819	16,600
Mottled Duck	0	0	64,489	51,936
Gadwall	969	1,153	1,367,215	1,363,954
Wigeon	8,559	7,622	752,838	701,701
Green-winged Teal	7,994	10,631	1,378,600	1,500,479
Blue-winged/Cinnamon Teal	0	50	739,874	703,534
Northern Shoveler	2,180	4,513	480,612	541,956
Northern Pintail	6,056	5,767	312,087	412,029
Wood Duck	0	0	1,123,371	1,119,921
Redhead	81	251	98,490	168,908
Canvasback	81	351	44,664	64,420
Greater Scaup	807	802	71,934	58,014
Lesser Scaup	888	1,404	293,772	258,968
Ring-necked Duck	1,776	1,153	436,987	475,184
Goldeneyes	3,634	2,908	81,522	76,694
Bufflehead	1,615	2,407	173,140	141,713
Ruddy Duck	81	0	18,526	24,175
Long-tailed Duck	124	0	26,356	20,181
Eiders	0	0	21,585	22,893
Scoters	2,102	3,490	60,487	53,997
Hooded Merganser	0	0	85,014	77,318
Other Mergansers	2,349	285	39,542	28,021
Other Ducks	2,225	1,425	22,494	14,347
Total Duck Harvest	63,000±10%	74,500±14%	12,385,700±5%	12,510,800±4%
Total Active Duck Hunters[a]	4,800±5%	5,700±7%		
Total Duck Hunter Days Afield[a]	26,300±11%	31,100±14%	7,367,700±4%	6,479,200±3%
Seasonal Duck Harvest Per Hunter[a]	11.7±11%	12.2±15%		
Goose Species Composition				
Canada Goose	4,519	4,200	2,453,474	2,655,730
Snow Goose	0	46	347,164	436,811
Blue Goose	0	0	133,453	216,063
Ross's Goose	0	0	62,075	66,420
White-fronted Goose	2,181	554	182,507	252,426
Brant	600	700	20,787	33,100
Other Geese	0	0	640	151
Total Goose Harvest	7,300±22%	5,500±40%	3,200,400±4%[c]	3,660,700±4%
Total Active Goose Hunters[b]	2,000±10%	1,700±20%		
Total Goose Hunter Days Afield[b]	9,500±16%	6,900±32%	4,211,486±3%	4,143,100±4%
Seasonal Goose Harvest Per Hunter[b]	3.4±24%	2.9±44%		
Active Waterfowl Hunters	5,200±5%	6,200±7%		
Sample Sizes				
Duck Wings	751	1,455	82,464	85,185
Goose Tails	45	111	20,722	23,834

[a] Duck hunter statistics do not include sea duck hunter statistics for states with special sea duck seasons: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, Virginia, 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] Harvest estimate contains 300 geese harvested in Florida for which there were no species composition estimates from the Parts Collection Survey.

Table 2. Flyway-specific point estimates of duck and goose harvest in Colorado, Montana, New Mexico, and Wyoming during the 2004 and 2005 hunting seasons.

	2004		2005	
	Central Flyway	Pacific Flyway	Central Flyway	Pacific Flyway
Duck Harvest				
Colorado	98,400	25,000	74,800	24,500
Montana	42,800	78,100	36,400	78,900
New Mexico	33,200	2,100	27,700	5,100
Wyoming	39,700	3,100	25,900	10,000
Goose Harvest				
Colorado	72,500	4,000	80,300	6,800
Montana	27,400	18,100	18,200	20,700
New Mexico	4,700	4,200	5,200	2,300
Wyoming	20,600	2,200	18,900	1,200

Table 3. Preliminary estimates of sea duck harvest and hunter activity for states with special sea duck seasons during the 2004 and 2005 hunting seasons.

	Sea Duck Harvest[a]		Active Sea Duck Hunters		Sea Duck Hunter Days Afield		Seasonal Harvest Per Hunter	
State / Flyway	2004	2005	2004	2005	2004	2005	2004	2005
Connecticut	6,500 ± 59%	1,700 ± 73%	800 ± 33%	400 ± 41%	4,000 ± 49%	1,600 ± 51%	8.2 ± 68%	4.7 ± 84%
Delaware	900 ± 52%	900 ± 73%	200 ± 48%	200 ± 56%	500 ± 46%	400 ± 58%	3.6 ± 71%	4.8 ± 92%
Maine	20,700 ± 53%	13,700 ± 74%	2,200 ± 39%	1,200 ± 47%	7,100 ± 40%	4,000 ± 59%	9.6 ± 66%	11.3 ± 88%
Maryland	20,400 ± 35%	20,400 ± 23%	3,400 ± 21%	4,200 ± 19%	8,300 ± 33%	9,600 ± 30%	6.0 ± 41%	4.9 ± 30%
Massachusetts	9,600 ± 24%	11,800 ± 26%	1,300 ± 18%	1,400 ± 19%	4,200 ± 23%	4,500 ± 21%	7.6 ± 30%	8.6 ± 32%
New Hampshire	300 ± 71%	800 ± 61%	100 ± 72%	200 ± 42%	300 ± 83%	600 ± 56%	2.3 ± 101%	4.0 ± 74%
New Jersey	2,900 ± 48%	3,800 ± 43%	700 ± 36%	700 ± 31%	1,800 ± 41%	1,900 ± 35%	4.3 ± 60%	5.6 ± 53%
New York	11,100 ± 32%	8,200 ± 29%	1,700 ± 23%	1,200 ± 25%	7,900 ± 45%	4,900 ± 26%	6.4 ± 40%	6.8 ± 38%
Rhode Island	1,800 ± 36%	4,700 ± 37%	200 ± 26%	400 ± 31%	900 ± 36%	2,300 ± 39%	8.1 ± 45%	12.1 ± 48%
Virginia	11,300 ± 34%	7,800 ± 32%	2,700 ± 25%	2,900 ± 25%	6,200 ± 30%	7,600 ± 33%	4.2 ± 42%	2.7 ± 41%
Atlantic Flyway Total	85,500 ± 17%	73,900 ± 17%			41,300 ± 15%	37,500 ± 13%		
Alaska	7,300 ± 24%[b]	5,200 ± 38%[b]	900 ± 20%	900 ± 34%	4,100 ± 22%	3,400 ± 38%	7.3 ± 41%	6.1 ± 51%
U.S. Total	92,300 ± 16%	79,100 ± 16%			45,300 ± 14%	40,800 ± 13%		

[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 2004 and 2005 hunting seasons.

	Brant Harvest		Active Brant Hunters		Brant Hunter Days Afield		Seasonal Harvest Per Hunter	
State / Flyway	2004	2005	2004	2005	2004	2005	2004	2005
Connecticut	1,000 ± 86%	700 ± 106%	300 ± 57%	300 ± 60%	1,800 ± 76%	1,500 ± 82%	3.1 ± 103%	2.6 ± 121%
Delaware	600 ± 60%	1,500 ± 53%	200 ± 42%	300 ± 41%	1,000 ± 66%	900 ± 46%	2.4 ± 73%	4.3 ± 68%
Maryland	800 ± 80%	1,700 ± 66%	300 ± 65%	600 ± 51%	3,500 ± 151%	2,000 ± 74%	2.3 ± 103%	2.9 ± 84%
Massachusetts	300 ± 47%	500 ± 47%	300 ± 37%	400 ± 39%	900 ± 48%	1,300 ± 46%	1.0 ± 60%	1.4 ± 61%
New Hampshire	100 ± 190%	0	<50 ± 116%	0	100 ± 122%	0	1.7 ± 223%	0
New Jersey	5,000 ± 23%	8,300 ± 21%	1,600 ± 20%	2,100 ± 18%	6,100 ± 25%	6,800 ± 19%	3.1 ± 30%	4.0 ± 27%
New York	3,800 ± 26%	4,700 ± 25%	1,400 ± 21%	1,400 ± 23%	5,400 ± 22%	6,700 ± 36%	2.7 ± 34%	3.3 ± 34%
North Carolina	1,100 ± 138%	6,200 ± 48%	600 ± 138%	2,700 ± 40%	1,100 ± 138%	7,100 ± 53%	2.0 ± 195%	2.3 ± 63%
Rhode Island	300 ± 55%	700 ± 48%	100 ± 30%	200 ± 49%	800 ± 42%	800 ± 53%	2.3 ± 63%	3.0 ± 69%
Virginia	2,800 ± 40%	6,100 ± 28%	1,400 ± 33%	2,400 ± 26%	4,800 ± 49%	5,300 ± 26%	2.1 ± 52%	2.5 ± 38%
Atlantic Flyway Total	15,800 ± 17%	30,400 ± 14%			25,500 ± 25%	32,200 ± 16%		
California	800 ± 81%	900 ± 74%	400 ± 90%	400 ± 99%	1,200 ± 79%	800 ± 79%	2.1 ± 121%	2.3 ± 124%
Oregon	0	0	<50 ± 184%	<50 ± 190%	<50 ± 184%	<50 ± 190%	0	0
Washington	500 ± 108%	1,100 ± 62%	400 ± 73%	500 ± 57%	700 ± 85%	1,200 ± 60%	1.1 ± 131%	2.4 ± 84%
Pacific Flyway Total	1,300 ± 65%	2,000 ± 48%			1,900 ± 57%	2,000 ± 47%		
Alaska	600 ± 41%	700 ± 65%	200 ± 29%	200 ± 50%	1,100 ± 35%	700 ± 51%	2.5 ± 51%	3.6 ± 82%
U.S. Total	17,700 ± 16%	33,000 ± 13%			28,500 ± 23%	34,900 ± 15%		

Table 5. Preliminary harvest estimates for special September teal/duck seasons for the 2004 and 2005 hunting seasons.

	Harvest Estimates										Number of	
	Green-winged Teal		Blue-winged/Cinnamon Teal		Wood Duck		Other Ducks		Total Duck Harvest		Wings Received	
State	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005
September Teal Season												
Delaware	815	265	0	0	0	0	0	0	815	265	12	4
Georgia	0	0	1,789	3,511	0	0	0	0	1,789	3,511	10	14
Maryland	1,169	943	130	429	0	0	0	0	1,299	1,372	10	16
North Carolina	0	1,134	495	0	0	0	0	0	495	1,134	6	5
South Carolina	0	0	1,686	2,931	0	0	0	0	1,686	2,931	15	15
Virginia	346	78	0	623	0	0	87	0	433	700	5	9
Subtotal	2,331	2,420	4,100	7,493	0	0	87	0	6,517	9,913	58	63
Alabama	342	133	5,812	4,268	0	0	0	0	6,154	4,401	18	33
Arkansas	1,593	1,252	14,654	22,543	0	0	0	0	16,247	23,796	51	57
Illinois	2,059	589	5,429	11,777	0	0	0	0	7,488	12,366	40	63
Indiana	490	1,346	490	4,712	0	0	0	0	980	6,059	6	45
Louisiana	3,105	1,224	68,850	26,628	0	0	365	306	72,320	28,158	396	92
Mississippi	254	0	254	907	0	0	0	0	507	907	2	4
Missouri	1,350	1,490	5,016	16,202	0	0	0	0	6,366	17,692	33	95
Ohio	3,610	2,898	3,610	4,968	0	0	0	0	7,220	7,866	34	38
Subtotal	12,803	8,933	104,115	92,005	0	0	365	306	117,283	101,245	580	427
Colorado	695	1,375	4,287	3,896	0	0	232	0	5,214	5,271	45	69
Kansas	2,901	2,200	19,173	10,387	0	0	0	0	22,075	12,586	175	103
Nebraska	2,061	1,243	6,060	5,087	0	0	0	0	8,121	6,330	67	56
New Mexico	194	148	517	260	0	0	162	0	873	408	27	11
Oklahoma	173	668	2,767	7,485	346	0	0	0	3,285	8,153	19	61
Texas	5,088	8,025	63,033	89,044	0	0	0	0	68,121	97,069	241	254
Subtotal	11,112	13,660	95,838	116,157	346	0	393	0	107,689	129,817	574	554
Total	26,245	25,013	204,053	215,656	346	0	845	306	231,489	240,975	1,212	1,044
September Duck Season												
Florida	0	0	2,588	7,864	1,122	1,702	0	59	3,710	9,624	43	164
Kentucky	439	0	2,194	6,958	11,848	2,609	0	0	14,480	9,567	33	22
Tennessee	0	327	0	1,308	20,422	7,194	0	0	20,422	8,829	44	27
Total	439	327	4,782	16,130	33,391	11,505	0	59	38,612	28,021	120	213
U.S. Total	26,684	25,340	208,835	231,786	33,737	11,505	845	365	270,101	268,996	1,332	1,257

Table 6. Preliminary estimates of the number of Canada geese harvested during the special September, regular, and special late seasons during the 2004 and 2005 hunting seasons.

	September		Regular		Late		Total	
State / Flyway	2004	2005	2004	2005	2004	2005	2004	2005
Connecticut	5,300	6,600	14,300	13,700	800	600	20,400	20,900
Delaware	3,300	2,000	10,700	17,000	0	0	14,000	19,000
Florida	0	0	300	0	---	---	300	0
Georgia	6,600	12,200	14,600	22,900	---	---	21,200	35,100
Maine	2,500	2,400	4,500	5,400	---	---	7,000	7,800
Maryland	18,600	10,400	123,400	159,600	0	0	142,000	170,000
Massachusetts	4,100	4,300	7,100	4,400	4,000	3,900	15,200	12,600
New Hampshire	500	1,700	2,700	3,600	---	---	3,200	5,300
New Jersey	9,800	4,000	12,800	19,200	2,000	1,000	24,600	24,200
New York	35,800	42,500	73,500	77,500	0	0	109,300	120,000
North Carolina	11,100	26,400	17,000	46,800	---	---	28,100	73,200
Pennsylvania	65,900	71,200	80,300	78,400	21,400	31,300	167,600	180,900
Rhode Island	700	200	3,500	2,800	200	100	4,400	3,100
South Carolina	3,100	6,900	13,900	20,700	---	---	17,000	27,600
Vermont	3,900	4,700	3,200	4,600	---	---	7,100	9,300
Virginia	17,000	10,100	23,900	42,100	14,100	9,200	55,000	61,400
West Virginia	2,300	2,000	5,100	1,900	---	---	7,400	3,900
Atlantic Flyway Total	190,500	207,600	410,800	520,600	42,500	46,100	643,800	774,300
Alabama	8,200	5,300	14,300	11,200	---	---	22,500	16,500
Arkansas	---	---	10,100	20,000	---	---	10,100	20,000
Illinois	7,300	11,800	94,100	90,900	---	---	101,400	102,700
Indiana	29,600	16,500	40,300	41,500	---	---	69,900	58,000
Iowa	12,200	14,800	58,100	63,800	---	---	70,300	78,600
Kentucky	6,400	6,100	38,600	28,900	---	---	45,000	35,000
Louisiana	---		0	3,000	---	---	0	3,000
Michigan	42,600	55,900	80,200	75,300	7,200	10,600	130,000	141,800
Minnesota	115,800	108,700	101,000	90,200	17,300	8,400	234,100	207,300
Mississippi	3,800	2,000	4,900	900	---	---	8,700	2,900
Missouri	---	---	8,800	39,300	---	---	8,800	39,300
Ohio	29,900	30,500	61,500	52,600	4,600	7,000	96,000	90,100
Tennessee	12,700	19,700	45,400	6,700	---	---	58,100	26,400
Wisconsin	23,200	44,900	74,100	62,100	---	---	97,300	107,000
Mississippi Flyway Total	291,700	316,200	631,400	586,400	29,100	26,000	952,200	928,600
Kansas	100	0	80,100	99,200	---	---	80,200	99,200
Nebraska	400	2,500	62,300	97,600	---	---	62,700	100,100
North Dakota	41,500	47,800	76,900	85,200	---	---	118,400	133,000
Oklahoma	400	2,200	41,200	27,300	---	---	41,600	29,500
South Dakota	22,300	21,000	74,400	57,800	---	---	96,700	78,800
Colorado	200	0	3,800	6,800	---	---	14,200	6,800
Oregon	3,200	4,700	64,400	56,900	---	---	67,600	61,600
Washington	2,700	3,900	68,800	63,600	600	700	71,500	68,200
Wyoming	0	100	2,200	1,100	---	---	2,200	1,200

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

	Newfoundland		Prince Edward Isl.		Nova Scotia		New Brunswick		Quebec		Ontario		Manitoba	
Duck Species Composition	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005
Mallard	1,985	754	1,100	1,681	5,245	4,544	5,228	4,732	65,284	72,231	132,188	115,284	75,970	87,315
Black Duck	12,888	9,333	4,828	4,560	16,971	16,717	9,776	9,031	30,590	34,472	16,711	15,276	0	191
Gadwall	0	0	0	72	116	126	206	244	1,357	2,498	2,405	3,067	8,289	3,228
Wigeon	714	0	135	0	176	794	1,349	1,265	1,365	1,641	4,328	8,559	4,708	7,080
Green-winged Teal	3,536	2,557	2,275	2,266	6,562	4,824	4,281	5,163	21,651	22,238	15,015	14,333	8,373	8,820
Blue-winged/Cinnamon Teal	78	100	256	749	235	1,111	962	2,201	1,627	3,532	3,820	7,469	5,947	4,694
Northern Shoveler	0	41	0	0	0	319	43	163	746	829	731	1,097	4,327	4,055
Northern Pintail	30	256	317	313	129	308	702	536	6,394	4,677	5,208	3,178	12,624	6,653
Wood Duck	428	0	54	64	1,027	1,348	2,002	4,214	11,538	13,407	47,969	48,736	965	1,010
Redhead	0	147	0	0	0	0	0	253	186	2,494	3,695	8,499	2,022	15,354
Canvasback	0	0	0	0	0	0	0	0	58	0	1,837	971	2,027	7,563
Greater Scaup	966	447	39	0	90	193	504	536	3,042	1,562	7,030	2,840	286	235
Lesser Scaup	816	381	0	304	28	189	188	266	3,619	3,459	9,859	10,088	7,362	4,683
Ring-necked Duck	5,925	8,169	440	1,747	1,457	1,029	3,394	3,282	6,282	6,630	17,540	17,779	8,536	4,555
Goldeneyes	3,995	1,771	334	305	2,075	1,591	2,321	1,520	5,715	4,897	6,197	4,848	1,127	3,154
Bufflehead	0	0	16	79	1,215	435	198	328	226	777	6,349	5,763	2,739	1,520
Ruddy Duck	0	0	0	0	0	0	0	66	70	0	1,704	908	156	0
Long-tailed Duck	800	164	0	79	768	737	0	0	1,356	709	773	37	0	0
Eiders	4,696	9,959	0	127	5,668	6,150	330	415	1,947	1,407	435	0	0	0
Scoters	216	2,391	0	0	3,714	2,462	37	142	3,971	1,323	695	195	0	0
Hooded Merganser	106	241	27	0	337	636	560	352	1,897	2,536	4,216	3,868	636	1,785
Other Mergansers	7,092	6,183	124	64	1,957	1,367	226	107	2,697	1,332	973	866	0	0
Other Ducks	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Duck Harvest	44,271	42,894	9,945	12,410	47,770	44,880	32,307	34,816	171,618	182,651	289,678	273,661	146,094	161,895
Goose Species Composition														
Canada Goose	4,481	5,516	15,028	16,109	5,996	5,240	6,100	6,866	75,316	103,490	148,893	155,736	92,512	118,545
Snow Goose	0	0	0	0	0	0	433	42	66,326	67,802	1,757	366	12,427	6,699
Blue Goose	0	0	0	0	0	0	0	0	82	565	279	25	10,731	7,340
Ross's Goose	0	0	0	0	0	0	0	0	0	0	109	0	1,794	1,460
White-fronted Goose	0	0	0	0	0	0	0	0	0	0	0	0	238	187
Brant	0	0	0	0	0	0	0	0	0	92	0	94	0	0
Total Goose Harvest	4,481	5,516	15,028	16,109	5,996	5,240	6,533	6,908	141,724	171,949	151,038	156,221	117,702	134,231
Migratory Bird Permits Sold	14,810	13,569	1,724	1,512	5,727	5,485	5,705	5,556	28,872	28,095	55,523	53,151	14,244	13,834

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

	Saskatchewan		Alberta		British Columbia		Nunavut		Northwest Terr.		Yukon Territory		Canada Total	
Duck Species Composition	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005
Mallard	129,630	144,393	78,270	78,798	28,516	33,586			275	688	37		523,728	544,006
Black Duck	0	0	0	0	0	0			0	0	0		91,764	89,580
Gadwall	18,203	15,782	11,357	14,399	578	573			0	0	0		42,511	39,989
Wigeon	5,608	10,954	9,739	7,961	6,817	8,915			275	688	0		35,214	47,857
Green-winged Teal	2,060	3,114	5,503	5,268	2,189	2,859			275	344	0		71,720	71,786
Blue-winged/Cinnamon Teal	9,779	11,464	7,328	8,951	92	267			0	0	0		30,124	40,538
Northern Shoveler	3,403	13,427	6,464	9,894	1,143	968			0	0	0		16,857	30,793
Northern Pintail	23,803	13,450	8,380	10,769	2,363	3,675			0	0	0		59,950	43,815
Wood Duck	0	0	0	0	182	159			0	0	0		64,165	68,938
Redhead	0	5,690	2,827	3,605	0	130			0	0	0		8,730	36,172
Canvasback	429	3,716	146	826	0	82			0	0	0		4,497	13,158
Greater Scaup	0	0	161	0	26	0			0	0	0		12,144	5,933
Lesser Scaup	922	2,520	1,593	1,777	293	120			0	0	0		24,680	23,934
Ring-necked Duck	1,078	1,056	1,479	2,882	151	267			0	344	0		46,282	47,740
Goldeneyes	0	0	2,194	2,210	517	444			0	0	147		24,622	20,740
Bufflehead	144	0	263	4,835	472	342			1,101	0	0		12,723	14,079
Ruddy Duck	0	0	161	260	0	25			0	0	0		2,091	1,259
Long-tailed Duck	0	0	0	0	0	0			0	0	0		3,697	1,726
Eiders	0	0	0	0	0	0			0	0	0		13,076	18,058
Scoters	0	0	0	0	0	0			0	0	0		8,633	6,513
Hooded Merganser	0	282	199	281	33	39			0	0	0		8,011	10,020
Other Mergansers	0	0	0	0	59	121			0	0	0		13,128	10,040
Other Ducks	0	0	0	0	0	0			0	0	0		0	0
Total Duck Harvest	195,059	225,848	136,064	152,716	43,431	52,572	0	0	1,926	2,064	184	2,293	1,118,347	1,188,700
Goose Species Composition														
Canada Goose	135,759	139,825	134,551	149,148	8,165	904							626,801	701,379
Snow Goose	53,110	53,987	3,654	5,534	1,188	6,906							138,895	141,336
Blue Goose	25,209	28,156	83	673	0	0							36,384	36,759
Ross's Goose	19,174	11,608	1,015	1,263	0	0							22,092	14,331
White-fronted Goose	54,419	54,376	9,956	19,835	0	0							64,613	74,398
Brant	0	0	0	0	0	0							0	186
Total Goose Harvest	287,671	287,952	149,259	176,453	9,353	14,212	0	0	33	110	142	167	888,960	975,068
Migratory Bird Permits Sold	18,273	18,558	18,768	19,322	6,402	6,181	19	23	192	192	180	204	170,439	165,687

Table 8. Preliminary age ratios of mallards in state harvests during the 2001-2005 hunting seasons as determined from Waterfowl Parts Collection Survey.

	Immatures per Adult [a]				
State and Flyway	2001	2002	2003	2004	2005
Connecticut	0.8	1.2	1.0	1.4	1.5
Delaware	1.1	0.9	1.9	1.8	1.6
Florida	---	---	---	---	---
Georgia	0.9	0.6	0.9	1.1	1.5
Maine	1.4	1.1	1.6	1.3	1.9
Maryland	1.0	0.9	1.5	1.7	1.9
Massachusetts	1.7	1.2	1.0	1.2	1.1
New Hampshire	1.7	1.0	1.4	1.9	1.4
New Jersey	1.1	1.0	1.2	1.3	1.3
New York	1.4	1.2	1.4	1.5	1.9
North Carolina	1.0	1.0	1.1	1.5	2.5
Pennsylvania	1.2	0.9	1.0	1.0	1.0
Rhode Island	1.0	0.8	0.7	0.7	0.9
South Carolina	1.6	1.1	1.3	1.7	1.7
Vermont	1.7	1.2	2.1	3.9	1.8
Virginia	0.7	0.7	0.9	0.9	0.9
West Virginia	1.0	0.7	1.1	0.8	1.0
Atlantic Flyway Total [b]	1.14	0.95	1.26	1.37	1.54
Alabama	0.8	0.7	0.9	1.0	1.8
Arkansas	1.0	0.5	0.8	0.8	0.8
Illinois	1.7	1.1	1.9	1.2	2.3
Indiana	1.3	1.2	1.4	1.6	1.4
Iowa	2.6	1.3	2.0	0.9	2.8
Kentucky	1.1	0.8	1.3	0.9	2.0
Louisiana	0.8	0.4	1.0	0.6	2.3
Michigan	2.0	1.7	2.1	1.6	1.7
Minnesota	2.6	1.5	2.8	1.5	2.7
Mississippi	1.0	0.4	0.8	0.5	1.7
Missouri	1.1	0.8	1.7	1.0	2.0
Ohio	1.3	1.4	1.8	1.4	1.3
Tennessee	1.0	0.7	0.9	1.0	2.0
Wisconsin	3.0	1.7	1.8	1.8	2.7
Mississippi Flyway Total [b]	1.33	0.90	1.40	1.03	1.63

Table 8. Preliminary age ratios of mallards in state harvests during the 2001-2005 hunting seasons as determined from Waterfowl Parts Collection Survey.

	Immatures per Adult [a]				
State and Flyway	2001	2002	2003	2004	2005
Colorado	0.7	0.5	0.9	0.7	1.0
Kansas	0.6	0.5	0.7	0.6	1.1
Montana	0.6	0.6	0.8	0.6	0.9
Nebraska	0.7	0.7	0.8	0.5	1.1
New Mexico	1.0	0.9	1.1	1.2	1.9
North Dakota	1.3	0.9	1.4	1.2	2.6
Oklahoma	0.4	0.3	0.5	0.6	0.5
South Dakota	0.7	1.0	1.3	1.2	2.0
Texas	0.5	0.3	0.4	0.5	1.0
Wyoming	0.5	0.4	0.9	0.6	0.8
Central Flyway Total [b]	0.71	0.60	0.87	0.74	1.26
Arizona	1.4	0.8	1.4	1.1	1.7
California	1.7	1.5	2.4	1.9	3.0
Colorado	0.9	1.1	1.2	1.6	2.0
Idaho	1.0	1.0	1.4	1.2	1.6
Montana	0.8	0.7	0.9	0.8	0.9
Nevada	1.1	1.6	1.8	1.5	2.5
New Mexico	0.8	0.7	1.0	1.6	0.9
Oregon	1.4	1.4	1.4	1.3	1.9
Utah	1.2	1.2	1.5	1.6	2.2
Washington	1.0	1.0	1.1	1.2	1.6
Wyoming	1.4	1.3	1.8	1.3	2.9
Pacific Flyway Total [b]	1.22	1.18	1.51	1.43	1.98
Alaska	4.6	3.0	4.1	4.8	5.5
U.S. Total [b]	1.13	0.88	1.29	1.06	1.62

[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 harvested during the 2001-2005 hunting seasons, by species and Flyway.

	Immatures per Adult [a,b]				
Species and Flyway	2001	2002	2003	2004	2005
Mallard					
Atlantic	1.14	0.95	1.26	1.37	1.54
Mississippi	1.33	0.90	1.40	1.03	1.63
Central	0.71	0.60	0.87	0.74	1.26
Pacific	1.22	1.18	1.51	1.43	1.98
U.S. Total	1.13	0.88	1.29	1.06	1.62
Black duck					
Atlantic	0.93	1.07	1.12	0.87	1.56
Mississippi	1.77	1.04	1.11	1.20	1.63
U.S. Total	1.09	1.06	1.11	0.97	1.58
Mottled duck					
Atlantic	1.10	1.00	1.31	1.18	1.30
Mississippi	1.19	0.88	1.63	0.92	2.63
Central	1.63	1.00	1.82	1.40	0.85
U.S. Total	1.26	0.93	1.60	1.07	1.60
Gadwall					
Atlantic	0.82	0.51	0.86	0.73	1.30
Mississippi	1.32	0.68	1.23	0.93	1.81
Central	1.00	0.82	1.62	0.92	1.17
Pacific	0.78	0.99	1.41	0.96	1.78
U.S. Total	1.14	0.75	1.34	0.93	1.52
American wigeon					
Atlantic	1.02	0.92	0.90	0.75	0.84
Mississippi	1.17	1.32	1.31	1.30	1.85
Central	0.76	0.90	1.34	0.80	0.80
Pacific	1.02	1.64	1.11	1.23	2.05
U.S. Total	0.99	1.30	1.21	1.09	1.48
Green-winged teal					
Atlantic	1.16	1.88	1.83	1.30	1.67
Mississippi	1.98	2.16	1.91	1.07	1.96
Central	1.79	1.81	2.10	1.82	1.37
Pacific	1.03	1.36	1.14	1.28	1.74
U.S. Total	1.56	1.80	1.71	1.29	1.72
Blue-winged/Cinnamon teal					
Atlantic	1.24	0.83	1.29	0.88	1.36
Mississippi	2.42	2.00	1.95	1.34	2.47
Central	2.27	1.94	2.69	1.57	2.28
Pacific	1.20	1.09	1.50	0.87	1.41
U.S. Total	2.19	1.78	2.04	1.29	2.09

Table 9. Preliminary weighted age ratios of ducks harvest duirng during the 2001-2005 hunting seasons, by species and Flyway.

	Immatures per Adult [a,b]				
Species and Flyway	2001	2002	2003	2004	2005
Northern shoveler					
Atlantic	1.32	0.86	1.30	0.83	2.87
Mississippi	1.89	1.06	1.74	1.15	1.94
Central	1.89	1.58	3.07	1.37	1.84
Pacific	0.65	0.82	1.11	1.09	2.05
U.S. Total	1.39	1.05	1.63	1.16	1.99
Northern pintail					
Atlantic	1.04	1.32	2.29	0.76	2.07
Mississippi	1.41	1.81	2.49	1.03	1.29
Central	0.87	1.08	1.53	1.06	1.27
Pacific	0.62	0.91	0.97	0.69	1.38
U.S. Total	0.93	1.25	1.54	0.89	1.38
Wood duck					
Atlantic	1.20	1.15	1.59	1.28	1.27
Mississippi	2.05	1.67	1.65	1.53	1.32
Central	1.31	1.05	1.07	1.36	1.01
Pacific	1.29	1.24	1.57	2.39	2.41
U.S. Total	1.60	1.43	1.58	1.47	1.32
Redhead					
Atlantic	0.46	0.10	0.54	0.29	2.18
Mississippi	1.97	0.21	1.58	0.80	3.15
Central	0.71	0.24	1.64	0.81	2.63
Pacific	0.44	1.11	1.69	1.54	2.11
U.S. Total	0.93	0.31	1.53	0.89	2.70
Canvasback					
Atlantic	---	---	0.56	0.36	1.53
Mississippi	1.45	---	1.11	0.31	1.07
Central	0.77	---	1.51	0.73	3.02
Pacific	1.23	---	1.02	0.65	3.23
U.S. Total	1.00	---	1.07	0.50	1.67
Greater scaup					
Atlantic	1.46	1.66	0.98	2.06	0.87
Mississippi	2.27	2.83	1.37	3.05	2.58
Central	---	3.41	---	8.65	---
Pacific	0.48	0.97	0.72	1.71	1.06
U.S. Total	0.92	1.83	0.96	2.39	1.49

Table 9. Preliminary weighted age ratios of ducks harvested during the 2001-2005 hunting seasons, by species and Flyway.

	Immatures per Adult [a,b]				
Species and Flyway	2001	2002	2003	2004	2005
Lesser scaup					
Atlantic	0.67	0.46	0.77	0.37	0.50
Mississippi	0.60	0.86	1.33	0.89	0.57
Central	1.04	1.33	0.95	1.16	0.54
Pacific	1.65	1.60	1.58	1.74	2.11
U.S. Total	0.75	0.88	1.16	0.92	0.63
Ring-necked duck					
Atlantic	1.22	1.11	1.17	1.02	2.63
Mississippi	1.82	1.47	2.08	1.44	1.71
Central	1.09	0.83	0.82	1.70	0.93
Pacific	1.40	1.24	1.44	1.46	1.91
U.S. Total	1.48	1.26	1.52	1.40	1.71
Common goldeneye					
Atlantic	0.40	0.91	0.67	0.71	0.54
Mississippi	1.16	0.99	1.19	0.60	1.17
Central	1.15	1.01	0.66	0.62	1.50
Pacific	0.74	1.14	0.71	0.78	0.80
U.S. Total	0.91	1.08	0.81	0.71	0.88
Bufflehead					
Atlantic	0.86	1.29	0.78	0.68	0.88
Mississippi	1.43	0.98	1.50	1.27	0.76
Central	0.53	0.82	0.29	1.09	1.20
Pacific	1.29	1.11	0.93	1.18	1.13
U.S. Total	1.11	1.09	1.01	1.01	0.93
Ruddy duck					
Atlantic	0.48	0.27	1.49	1.33	3.08
Mississippi	---	---	1.41	2.19	4.11
Central	5.36	---	---	---	---
Pacific	0.65	0.57	1.10	0.64	1.80
U.S. Total	1.31	0.52	1.39	1.23	2.62
Hooded merganser					
Atlantic	1.13	0.81	0.77	0.92	1.00
Mississippi	1.28	0.76	1.09	1.05	1.56
Central	0.83	0.71	1.17	0.46	1.77
Pacific	2.10	1.58	2.54	1.05	1.24
U.S. Total	1.20	0.79	1.03	0.95	1.29

Table 9. Preliminary weighted age ratios of ducks harvested during the 2001-2005 hunting seasons, by species and Flyway.

	Immatures per Adult [a,b]				
Species and Flyway	2001	2002	2003	2004	2005
Common merganser					
Atlantic	1.93	1.40	1.76	1.23	1.39
Mississippi	---	0.71	---	---	---
Central	---	0.63	---	0.77	---
Pacific	1.89	0.80	0.78	0.84	0.92
U.S. Total	1.25	0.97	1.52	1.31	1.40
Red-breasted merganser					
Atlantic	0.83	0.89	1.06	0.46	0.91
U.S. Total	1.13	0.90	1.09	0.31	0.89
Long-tailed duck					
Atlantic	0.11	0.50	0.53	0.30	0.52
U.S. Total	0.12	0.53	0.67	0.56	0.54
Common eider					
Atlantic	0.32	0.25	0.26	0.18	0.10
U.S. Total	0.32	0.39	0.26	0.18	0.10
Black scoter					
Atlantic	1.17	0.74	0.92	0.31	0.34
U.S. Total	1.68	0.87	1.03	0.46	0.48
White-winged scoter					
Atlantic	1.03	1.56	2.55	0.13	0.65
U.S. Total	2.25	1.71	2.36	0.67	1.25
Surf scoter					
Atlantic	0.38	0.79	1.13	0.24	0.25
U.S. Total	0.46	0.90	1.21	0.31	0.34

[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.

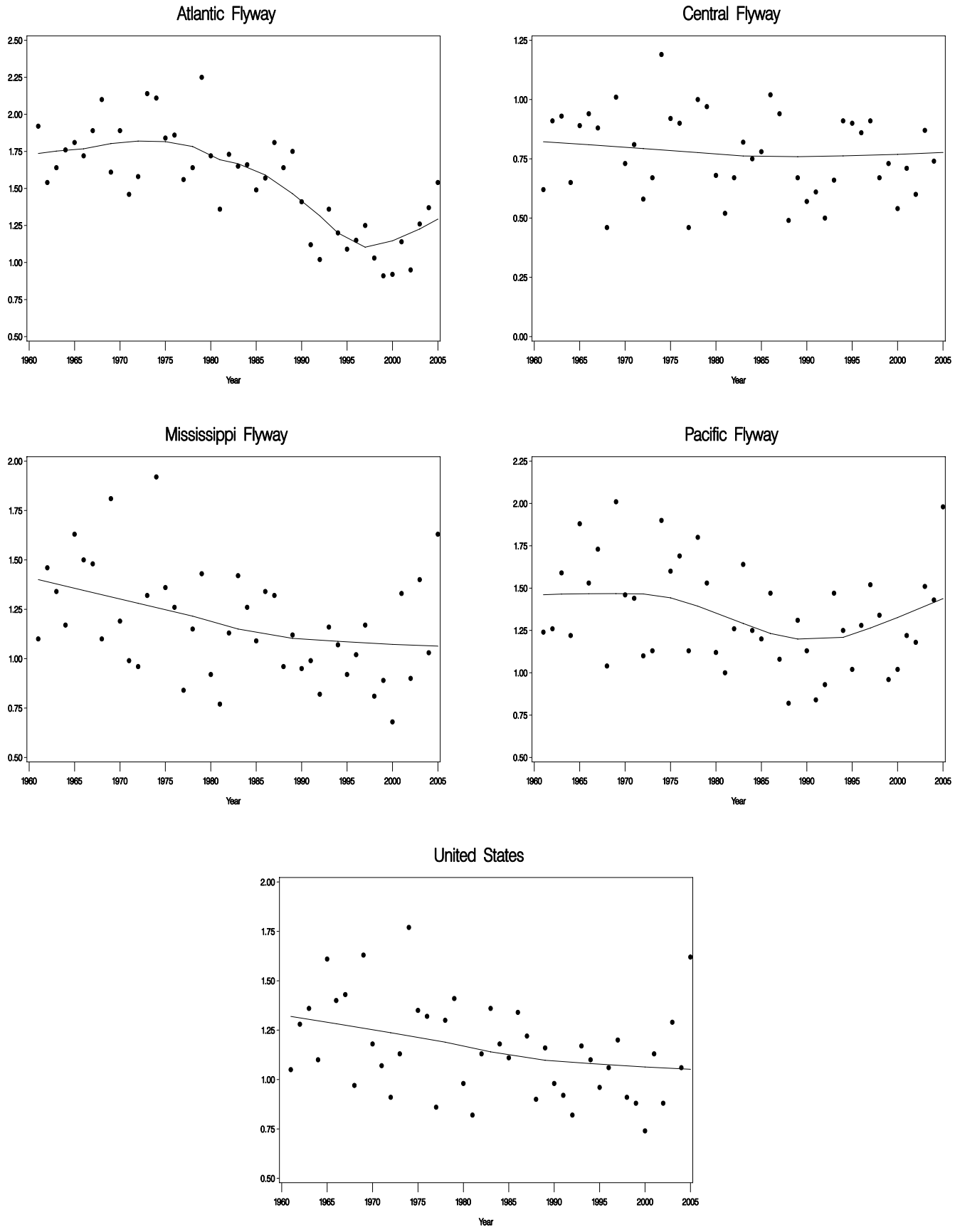

Figure 4. Age ratios of mallards harvested in the United States, 1961-2005.

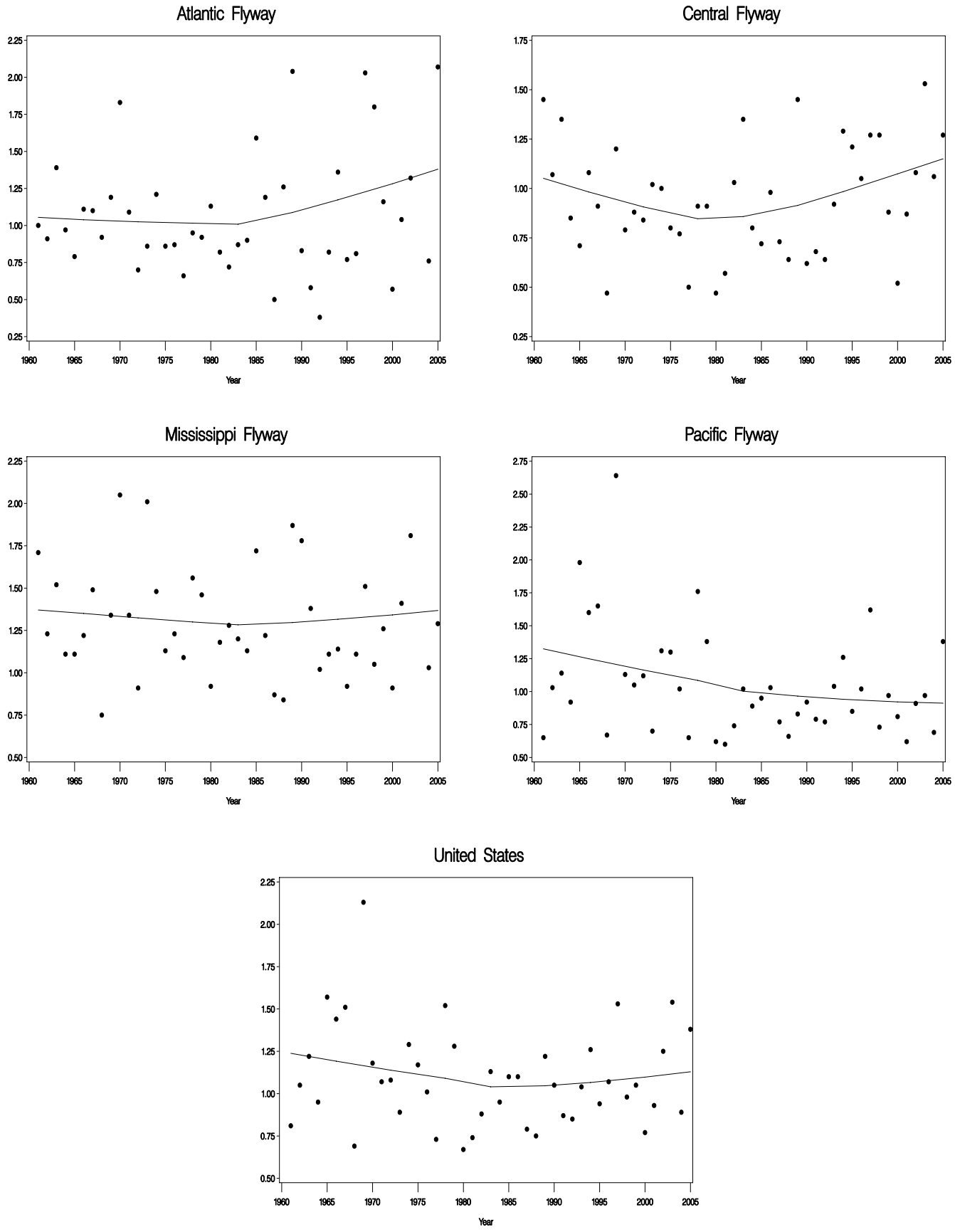

Figure 5. Age ratios of northern pintails harvested in the United States, 1961-2005.

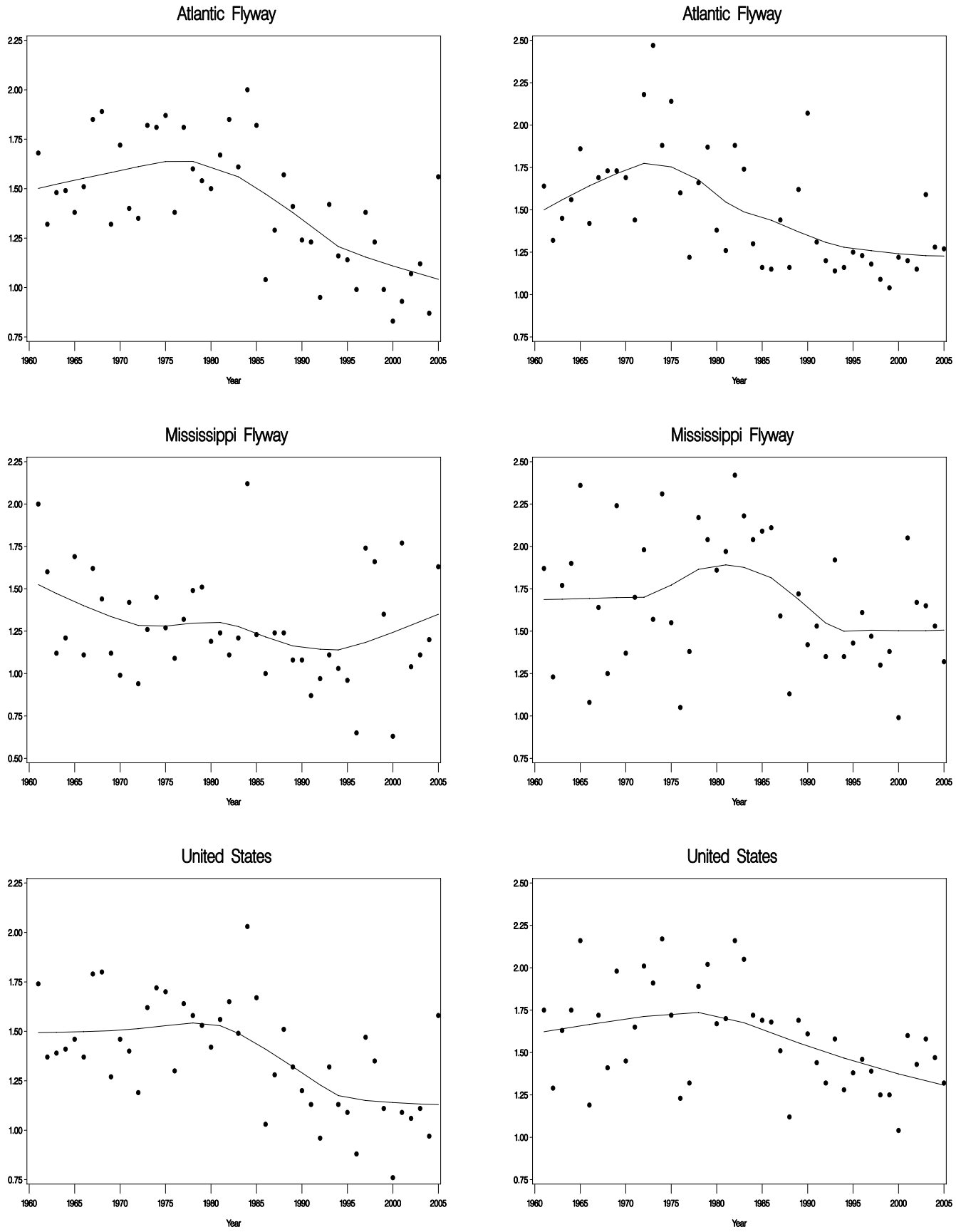

Figure 6. Age ratios of American black ducks (left column) and wood ducks (right column) harvested in the United States, 1961-2005.

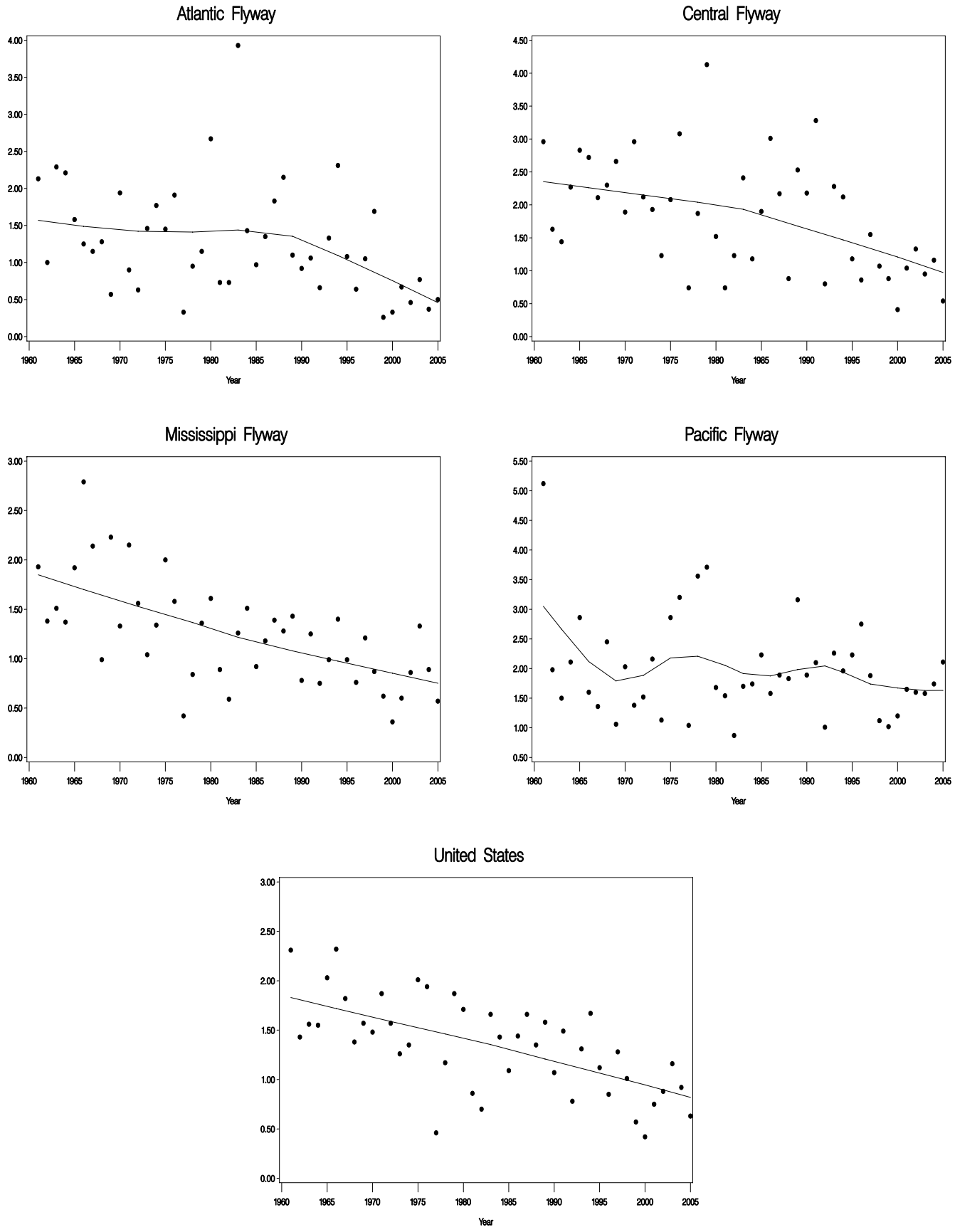

Figure 7. Age ratios of lesser scaup harvested in the United States, 1961-2005.

Table 10. Preliminary sex ratios of mallards in state harvests during the 2001-2005 hunting seasons as determined from Waterfowl Parts Collection Survey.

	Males per Female [a]				
State and Flyway	2001	2002	2003	2004	2005
Connecticut	1.8	2.7	2.5	2.1	2.2
Delaware	1.3	1.6	1.6	1.5	1.6
Florida	---	---	---	---	---
Georgia	2.4	2.4	1.6	1.6	0.7
Maine	1.7	1.6	1.7	1.6	1.5
Maryland	2.1	2.2	2.1	2.0	1.8
Massachusetts	1.9	1.5	2.4	1.9	2.1
New Hampshire	1.5	1.6	1.4	1.6	1.4
New Jersey	2.2	2.1	2.1	1.8	2.2
New York	1.7	2.0	1.9	1.9	1.9
North Carolina	1.9	1.8	1.9	1.7	2.6
Pennsylvania	1.9	2.3	2.2	2.0	2.3
Rhode Island	1.5	2.4	2.8	2.5	2.0
South Carolina	1.9	2.5	2.3	2.2	2.6
Vermont	1.6	1.6	2.2	1.3	1.6
Virginia	2.4	1.9	2.0	2.2	1.9
West Virginia	2.7	2.6	2.8	2.5	1.4
Atlantic Flyway Total [b]	1.91	2.04	2.02	1.91	2.00
Alabama	2.4	1.7	1.9	2.6	1.6
Arkansas	2.3	2.9	3.2	3.3	3.1
Illinois	2.1	3.0	2.8	2.7	2.5
Indiana	2.5	2.0	2.0	1.6	2.3
Iowa	1.7	1.9	2.4	3.1	2.3
Kentucky	1.9	2.0	2.1	2.4	2.7
Louisiana	2.0	2.3	2.1	2.5	1.5
Michigan	2.1	1.8	2.0	2.1	2.3
Minnesota	1.6	1.7	1.7	1.5	1.8
Mississippi	2.5	2.5	2.7	3.2	2.3
Missouri	2.7	2.9	2.3	2.7	2.5
Ohio	2.2	1.8	1.6	2.2	1.8
Tennessee	2.7	2.4	2.2	2.6	2.2
Wisconsin	1.8	1.6	1.5	2.0	1.8
Mississippi Flyway Total [b]	2.17	2.20	2.25	2.51	2.35

Table 10. Preliminary sex ratios of mallards in state harvests during the 2001-2005 hunting seasons as determined from Waterfowl Parts Collection Survey.

	Males per Female [a]				
State and Flyway	2001	2002	2003	2004	2005
Colorado	3.6	3.0	3.3	3.0	2.9
Kansas	5.2	6.1	6.4	5.8	5.6
Montana	3.0	3.7	4.4	3.4	3.8
Nebraska	4.0	4.1	4.3	4.3	4.6
New Mexico	1.7	2.2	2.2	2.4	2.1
North Dakota	2.8	2.5	2.6	2.5	2.5
Oklahoma	3.9	3.4	3.2	4.0	3.7
South Dakota	4.2	3.1	3.3	3.8	3.2
Texas	2.3	2.8	2.7	3.1	2.2
Wyoming	4.1	4.2	4.8	7.0	4.1
Central Flyway Total [b]	3.14	3.13	3.30	3.51	3.06
Arizona	2.1	1.7	1.1	1.4	1.4
California	2.3	2.4	2.0	2.7	2.5
Colorado	2.4	3.6	5.8	3.0	2.4
Idaho	2.5	2.3	2.6	3.5	2.8
Montana	3.1	2.4	3.1	3.4	3.6
Nevada	2.3	2.1	1.8	2.0	1.8
New Mexico	4.2	2.0	2.4	2.9	2.1
Oregon	1.7	1.9	2.0	1.8	1.8
Utah	1.8	1.8	1.9	2.1	2.2
Washington	2.2	2.2	2.4	2.6	2.0
Wyoming	2.6	2.0	1.8	1.6	2.2
Pacific Flyway Total [b]	2.20	2.20	2.23	2.60	2.30
Alaska	1.4	1.2	1.1	0.9	1.1
U.S. Total [b]	2.31	2.33	2.37	2.62	2.40

[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 2001-2005 hunting seasons, by species and Flyway.

	Males per Female [a,b]				
Species and Flyway	2001	2002	2003	2004	2005
Mallard					
Atlantic	1.91	2.04	2.02	1.91	2.00
Mississippi	2.17	2.20	2.25	2.51	2.35
Central	3.14	3.13	3.30	3.51	3.06
Pacific	2.20	2.20	2.23	2.60	2.30
U.S. Total	2.31	2.33	2.37	2.62	2.40
Black duck					
Atlantic	0.99	1.06	0.99	1.21	1.23
Mississippi	0.79	1.10	1.24	1.82	1.31
U.S. Total	0.93	1.07	1.05	1.37	1.25
Mottled duck					
Atlantic	0.93	0.79	0.63	0.85	0.81
Mississippi	0.97	0.84	0.73	0.64	0.71
Central	0.83	1.00	1.15	1.27	1.57
U.S. Total	0.92	0.85	0.77	0.80	0.90
Gadwall					
Atlantic	1.80	1.67	1.91	1.81	1.38
Mississippi	1.64	1.67	1.83	1.72	1.73
Central	1.61	1.55	1.52	1.65	1.54
Pacific	2.35	1.71	1.72	1.97	1.50
U.S. Total	1.68	1.63	1.72	1.73	1.62
American wigeon					
Atlantic	1.43	1.76	1.73	1.64	1.60
Mississippi	1.61	1.58	1.55	1.27	1.65
Central	1.88	1.70	1.52	1.79	1.73
Pacific	1.73	1.47	1.66	1.70	1.50
U.S. Total	1.70	1.56	1.60	1.61	1.58
Green-winged teal					
Atlantic	1.38	1.19	1.24	1.26	1.34
Mississippi	1.71	1.49	1.61	1.70	2.12
Central	1.82	1.45	1.61	1.56	1.93
Pacific	1.86	1.74	1.74	1.63	1.59
U.S. Total	1.72	1.50	1.59	1.59	1.79
Blue-winged/Cinnamon teal					
Atlantic	1.34	1.40	1.41	1.60	1.32
Mississippi	1.42	1.04	1.09	1.14	1.16
Central	1.34	1.15	1.15	1.31	1.41
Pacific	1.26	1.25	1.27	1.88	1.21
U.S. Total	1.38	1.11	1.13	1.29	1.26

Table 11. Preliminary weighted sex ratios of ducks harvested during the 2001-2005 hunting seasons, by species and Flyway.

	Males per Female [a,b]				
Species and Flyway	2001	2002	2003	2004	2005
Northern shoveler					
Atlantic	1.48	1.65	1.43	1.72	1.51
Mississippi	1.46	1.95	1.51	1.69	1.50
Central	1.45	1.29	1.24	1.53	1.44
Pacific	2.24	1.98	1.84	1.85	1.70
U.S. Total	1.63	1.75	1.54	1.72	1.54
Northern pintail					
Atlantic	1.65	1.35	1.36	1.31	1.59
Mississippi	2.06	1.78	1.73	2.05	1.98
Central	2.04	2.17	1.63	2.09	2.60
Pacific	2.56	2.79	2.57	3.62	2.54
U.S. Total	2.12	2.11	1.93	2.53	2.31
Wood duck					
Atlantic	1.80	1.86	1.92	1.84	1.88
Mississippi	1.60	1.55	1.78	1.72	1.88
Central	2.07	2.03	1.78	2.17	2.17
Pacific	1.71	1.44	1.35	1.46	1.75
U.S. Total	1.71	1.66	1.80	1.76	1.89
Redhead					
Atlantic	1.22	1.04	1.96	1.59	1.10
Mississippi	1.37	1.54	1.18	1.33	1.61
Central	2.13	1.46	1.28	2.23	1.43
Pacific	2.10	0.94	1.51	1.85	1.47
U.S. Total	1.79	1.37	1.32	1.73	1.47
Canvasback					
Atlantic	---	---	1.66	3.21	1.10
Mississippi	0.82	---	2.19	1.03	1.34
Central	1.20	---	0.84	1.11	1.46
Pacific	0.80	---	1.45	1.42	0.88
U.S. Total	0.97	---	1.45	1.46	1.27
Greater scaup					
Atlantic	1.02	1.09	1.23	0.91	1.13
Mississippi	0.81	1.21	1.35	0.79	1.13
Central	---	1.51	---	1.06	1.36
Pacific	1.88	1.75	1.28	1.67	2.42
U.S. Total	1.35	1.31	1.27	1.05	1.32

Table 11. Preliminary weighted sex ratios of ducks harvested during the 2001-2005 hunting seasons, by species and Flyway.

	Males per Female [a,b]				
Species and Flyway	2001	2002	2003	2004	2005
Lesser scaup					
Atlantic	2.15	2.39	2.01	2.35	2.57
Mississippi	2.11	1.72	1.83	1.64	2.56
Central	2.20	1.60	1.21	1.71	2.80
Pacific	1.29	1.43	1.37	1.48	1.54
U.S. Total	2.05	1.77	1.67	1.73	2.43
Ring-necked duck					
Atlantic	1.84	1.72	2.14	1.67	1.58
Mississippi	1.74	2.12	1.58	2.05	1.77
Central	2.14	2.71	2.49	1.62	2.18
Pacific	2.26	1.38	1.69	1.38	1.79
U.S. Total	1.87	2.02	1.82	1.81	1.78
Common goldeneye					
Atlantic	2.87	1.24	1.11	1.08	2.05
Mississippi	1.77	1.04	1.50	2.09	1.23
Central	2.31	1.81	2.00	1.17	2.13
Pacific	1.10	1.73	1.19	1.62	2.47
U.S. Total	1.65	1.32	1.33	1.58	1.80
Bufflehead					
Atlantic	2.39	1.45	1.58	2.26	1.53
Mississippi	1.10	1.39	1.13	1.35	1.35
Central	1.46	1.47	1.49	0.92	1.36
Pacific	0.85	1.23	1.57	1.17	1.69
U.S. Total	1.32	1.38	1.36	1.46	1.48
Hooded merganser					
Atlantic	2.22	2.13	2.01	1.74	3.14
Mississippi	2.49	3.38	2.51	1.42	4.49
Central	2.03	1.63	3.14	1.16	2.12
Pacific	1.30	0.81	1.14	2.17	1.39
U.S. Total	2.27	2.61	2.29	1.51	3.24
Common merganser					
Atlantic	0.64	0.81	0.81	0.70	0.78
Mississippi	---	0.70	1.19	---	---
Central	---	1.03	1.73	0.63	---
Pacific	1.01	1.38	1.10	1.53	2.00
U.S. Total	0.81	0.85	1.06	0.86	1.46

Table 11. Preliminary weighted sex ratios of ducks harvested during the 2001-2005 hunting seasons, by species and Flyway.

	Male per Female [a,b]				
Species and Flyway	2001	2002	2003	2004	2005
Red-breasted merganser					
Atlantic	1.68	1.35	1.18	1.72	1.40
U.S. Total	2.19	0.85	1.11	1.20	1.10
Long-tailed duck					
Atlantic	11.83	1.88	4.61	2.08	2.33
U.S. Total	11.83	1.86	3.91	1.84	2.33
Common eider					
Atlantic	2.56	2.79	1.93	2.33	2.80
U.S. Total	2.56	2.62	1.93	2.33	2.80
Black scoter					
Atlantic	1.80	2.38	1.23	2.84	2.04
U.S. Total	2.47	2.22	1.27	2.92	1.87
White-winged scoter					
Atlantic	1.82	1.23	1.07	2.64	2.41
U.S. Total	2.32	1.24	1.02	1.62	1.97
Surf scoter					
Atlantic	2.25	1.45	1.05	1.44	1.74
U.S. Total	2.30	1.37	1.04	1.37	1.86

[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 2001-2005 hunting seasons, by species and Flyway.

	Immatures per Adult [a,b]				
Species and Flyway	2001	2002	2003	2004	2005
Canada goose					
Atlantic	0.32	0.40	0.56	0.46	0.62
Mississippi	0.29	0.61	0.55	0.38	0.52
Central	0.32	0.45	0.53	0.40	0.54
Pacific	0.17	0.51	0.71	0.61	0.47
U.S. Total	0.29	0.49	0.56	0.43	0.54
Snow goose					
Atlantic	1.49	0.27	1.13	1.02	0.81
Mississippi	0.74	0.32	0.72	0.15	0.39
Central	0.49	0.32	0.43	0.20	0.41
Pacific	0.30	0.37	0.86	0.51	1.36
U.S. Total	0.64	0.32	0.62	0.26	0.52
Blue goose					
Mississippi	0.71	0.21	0.86	0.31	0.48
Central	0.71	0.38	0.58	0.17	0.81
U.S. Total	0.71	0.28	0.76	0.26	0.59
Ross' goose					
Central	1.96	0.99	2.22	0.34	1.55
Pacific	0.72	0.69	1.25	0.24	0.91
U.S. Total	1.92	0.95	1.93	0.35	1.60
Greater white-fronted goose					
Mississippi	0.66	0.49	0.82	0.44	0.58
Central	0.46	0.49	1.27	0.65	0.81
Pacific	0.68	0.32	0.53	0.72	1.16
U.S. Total	0.58	0.46	0.92	0.55	0.77
Brant					
Atlantic	0.51	0.11	0.54	0.32	0.15
Pacific	0.55	---	---	1.28	1.16

[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.

Table 13. Preliminary estimates of mourning dove harvest and hunter activity during the 2004 and 2005 hunting seasons.

State and	Mourning Dove Harvest		Active Hunters		Mourning Dove Days Afield		Seasonal Harvest Per Hunter	
Management Unit	2004	2005	2004	2005	2004	2005	2004	2005
Alabama	724,900 ± 14%	1,252,600 ± 16%	43,800 ± 8%	63,200 ± 7%	124,800 ± 28%	168,800 ± 13%	16.6 ± 16%	19.8 ± 18%
Delaware	54,900 ± 25%	54,200 ± 39%	3,000 ± 19%	3,000 ± 21%	11,700 ± 40%	8,700 ± 34%	18.4 ± 32%	17.8 ± 45%
Florida	255,000 ± 21%	341,800 ± 24%	15,500 ± 17%	19,200 ± 17%	55,200 ± 27%	63,000 ± 19%	16.4 ± 27%	17.8 ± 29%
Georgia	963,400 ± 21%	757,200 ± 20%	47,300 ± 11%	39,200 ± 14%	146,600 ± 17%	116,500 ± 18%	20.4 ± 24%	19.3 ± 24%
Illinois	890,600 ± 11%	798,800 ± 14%	39,400 ± 8%	37,600 ± 8%	123,900 ± 11%	121,300 ± 11%	22.6 ± 13%	21.2 ± 16%
Indiana	291,700 ± 14%	371,900 ± 25%	14,100 ± 15%	18,400 ± 13%	46,400 ± 14%	66,600 ± 18%	20.8 ± 21%	20.3 ± 29%
Kentucky	593,500 ± 25%	703,100 ± 41%	27,500 ± 18%	29,700 ± 17%	78,400 ± 25%	89,400 ± 36%	21.6 ± 31%	23.7 ± 45%
Louisiana	388,600 ± 23%	445,900 ± 26%	26,700 ± 18%	23,800 ± 23%	82,400 ± 28%	88,400 ± 35%	14.6 ± 29%	18.8 ± 34%
Maryland	176,400 ± 25%	241,700 ± 35%	11,100 ± 19%	10,800 ± 20%	46,900 ± 46%	41,900 ± 28%	15.8 ± 32%	22.3 ± 40%
Mississippi	627,600 ± 17%	455,900 ± 32%	32,400 ± 10%	24,100 ± 21%	89,800 ± 16%	66,400 ± 32%	19.4 ± 20%	19.0 ± 38%
North Carolina	215,900 ± 25%	741,800 ± 20%	20,600 ± 27%	46,000 ± 15%	41,800 ± 28%	130,400 ± 20%	10.5 ± 37%	16.1 ± 25%
Ohio	325,400 ± 27%	488,800 ± 39%	17,000 ± 21%	19,100 ± 21%	74,900 ± 28%	85,700 ± 26%	19.2 ± 34%	25.6 ± 44%
Pennsylvania	296,100 ± 29%	430,300 ± 19%	26,000 ± 16%	40,900 ± 14%	112,100 ± 39%	160,000 ± 18%	11.4 ± 33%	10.5 ± 24%
Rhode Island	3,100 ± 60%	900 ± 88%	300 ± 54%	300 ± 55%	900 ± 47%	1,100 ± 66%	10.8 ± 81%	3.1 ± 103%
South Carolina	663,700 ± 19%	1,447,700 ± 12%	32,200 ± 16%	65,100 ± 6%	107,100 ± 21%	222,400 ± 10%	20.6 ± 25%	22.2 ± 14%
Tennessee	780,800 ± 38%	633,200 ± 36%	35,000 ± 28%	36,900 ± 23%	90,400 ± 31%	93,900 ± 31%	22.3 ± 48%	17.2 ± 43%
Virginia	347,700 ± 16%	424,400 ± 21%	22,700 ± 11%	26,500 ± 9%	58,000 ± 12%	76,900 ± 15%	15.3 ± 19%	16.0 ± 23%
West Virginia	15,300 ± 37%	22,300 ± 48%	1,400 ± 30%	1,800 ± 30%	4,600 ± 44%	5,600 ± 54%	11.1 ± 47%	12.2 ± 57%
Wisconsin	97,300 ± 41%	180,600 ± 48%	17,700 ± 34%	15,600 ± 26%	77,500 ± 42%	62,700 ± 31%	5.5 ± 53%	11.6 ± 54%
Eastern Unit Total	7,712,000 ± 6%	9,793,000 ± 6%			1,373,300 ± 7%	1,669,800 ± 5%		
Arkansas	740,600 ± 19%	861,600 ± 20%	37,900 ± 13%	43,400 ± 15%	114,000 ± 21%	147,300 ± 24%	19.5 ± 23%	19.8 ± 25%
Colorado	299,900 ± 16%	263,400 ± 10%	19,400 ± 8%	18,400 ± 7%	54,800 ± 19%	48,700 ± 9%	15.4 ± 18%	14.3 ± 12%
Kansas	689,400 ± 13%	680,400 ± 11%	35,800 ± 10%	32,400 ± 8%	119,300 ± 13%	109,500 ± 12%	19.3 ± 16%	21.0 ± 13%
Minnesota	107,000 ± 42%	48,800 ± 61%	13,700 ± 20%	6,000 ± 34%	61,100 ± 50%	14,700 ± 43%	7.8 ± 46%	8.2 ± 70%
Missouri	775,900 ± 30%	641,800 ± 20%	41,600 ± 9%	40,200 ± 10%	128,800 ± 17%	113,400 ± 16%	18.6 ± 31%	16.0 ± 22%
Montana	20,900 ± 44%	17,800 ± 44%	2,600 ± 31%	2,000 ± 34%	11,300 ± 99%	4,800 ± 38%	7.9 ± 54%	8.7 ± 56%
Nebraska	365,900 ± 15%	371,100 ± 15%	19,100 ± 11%	17,800 ± 10%	71,400 ± 14%	64,300 ± 14%	19.2 ± 18%	20.8 ± 18%
New Mexico	302,800 ± 23%	250,100 ± 22%	9,900 ± 15%	9,300 ± 17%	42,000 ± 19%	42,000 ± 20%	30.7 ± 28%	26.7 ± 28%
North Dakota	57,500 ± 32%	55,500 ± 48%	4,500 ± 25%	3,100 ± 27%	13,000 ± 24%	11,800 ± 38%	12.9 ± 41%	18.1 ± 55%
Oklahoma	555,300 ± 14%	828,500 ± 20%	27,100 ± 9%	34,500 ± 9%	94,000 ± 11%	111,500 ± 16%	20.5 ± 17%	24.0 ± 22%
South Dakota	184,100 ± 26%	127,700 ± 28%	10,000 ± 16%	7,100 ± 18%	36,700 ± 21%	25,200 ± 26%	18.4 ± 31%	17.9 ± 33%
Texas	5,664,600 ± 14%	5,710,700 ± 15%	287,700 ± 9%	257,200 ± 10%	1,089,200 ± 13%	1,030,000 ± 13%	19.7 ± 17%	22.2 ± 18%
Wyoming	43,700 ± 46%	34,100 ± 31%	3,200 ± 27%	2,500 ± 27%	8,700 ± 34%	6,600 ± 27%	13.7 ± 53%	13.6 ± 41%
Central Unit Total	9,807,700 ± 8%	9,891,400 ± 9%			1,844,300 ± 8%	1,729,800 ± 8%		
Arizona	978,200 ± 12%	952,600 ± 11%	42,500 ± 6%	41,900 ± 8%	150,100 ± 12%	137,100 ± 11%	23.0 ± 13%	22.8 ± 13%
California	1,060,500 ± 10%	1,013,400 ± 10%	67,900 ± 8%	64,700 ± 7%	202,500 ± 12%	183,100 ± 9%	15.6 ± 13%	15.7 ± 12%
Idaho	132,500 ± 21%	122,900 ± 28%	11,700 ± 17%	9,200 ± 19%	38,800 ± 20%	32,500 ± 25%	11.3 ± 27%	13.3 ± 34%
Nevada	36,500 ± 26%	47,700 ± 25%	3,800 ± 20%	4,100 ± 17%	8,800 ± 20%	10,000 ± 19%	9.5 ± 33%	11.7 ± 30%
Oregon	72,600 ± 30%	85,600 ± 51%	6,200 ± 18%	8,600 ± 27%	20,900 ± 26%	24,100 ± 40%	11.6 ± 36%	10.0 ± 58%
Utah	119,700 ± 20%	137,800 ± 29%	12,000 ± 14%	13,400 ± 16%	37,600 ± 22%	35,000 ± 24%	9.9 ± 24%	10.3 ± 33%
Washington	70,500 ± 20%	105,500 ± 29%	6,400 ± 24%	7,900 ± 23%	17,500 ± 28%	24,400 ± 32%	10.9 ± 31%	13.4 ± 37%
Western Unit Total	2,470,600 ± 7%	2,465,500 ± 7%			476,200 ± 7%	446,200 ± 6%		
U.S. Total	19,990,200 ± 5%	22,149,900 ± 5%			3,693,800 ± 5%	3,845,700 ± 4%		

Table 14. Preliminary estimates of white-winged dove harvest and hunter activity during the 2004 and 2005 hunting seasons.

State and	White-winged Dove Harvest		Active Hunters		White-winged Dove Days Afield		Seasonal Harvest Per Hunter	
Management Unit	2004	2005	2004	2005	2004	2005	2004	2005
Florida	4,700 ± 50%	12,400 ± 75%	1,600 ± 52%	3,200 ± 47%	5,900 ± 41%	9,500 ± 46%	3.0 ± 3%	3.9 ± 89%
Eastern Unit Total	4,700 ± 50%	12,400 ± %			5,900 ± 42%	9,500 ± 46%		
Colorado	---	2,900 ± 65%	---	1,000 ± 33%	---	3,100 ± 41%	---	3.0 ± 73%
Kansas	800 ± 164%	1,700 ± 115%	400 ± 83%	300 ± 82%	900 ± 103%	1,400 ± 86%	2.1 ± 184%	5.0 ± 141%
Missouri	1,900 ± 78%	2,500 ± 124%	900 ± 74%	1,200 ± 89%	4,300 ± 91%	5,000 ± 98%	2.3 ± 108%	2.1 ± 153%
Nebraska	1,600 ± 177%	200 ± 110%	100 ± 111%	100 ± 97%	600 ± 120%	500 ± 124%	20.0 ± 209%	1.6 ± 146%
New Mexico	46,500 ± 48%	52,100 ± 35%	3,400 ± 30%	4,000 ± 29%	13,400 ± 29%	21,000 ± 34%	13.8 ± 56%	13.0 ± 46%
Oklahoma	3,500 ± 76%	8,000 ± 111%	700 ± 39%	2,200 ± 55%	3,400 ± 47%	5,800 ± 63%	5.0 ± 86%	3.6 ± 124%
Texas	1,066,300 ± 28%	1,095,100 ± 23%	106,400 ± 17%	109,300 ± 17%	383,300 ± 19%	433,000 ± 18%	10.0 ± 33%	10.0 ± 29%
Central Unit Total	1,120,700 ± 27%	1,162,500 ± 22%			405,800 ± 18%	469,800 ± 17%		
Arizona	120,300 ± 19%	110,100 ± 20%	24,200 ± 12%	21,600 ± 15%	81,200 ± 19%	65,700 ± 16%	5.0 ± 23%	5.1 ± 25%
California	50,500 ± 40%	63,600 ± 35%	11,700 ± 27%	11,300 ± 23%	30,800 ± 27%	27,900 ± 24%	4.3 ± 48%	5.6 ± 42%
Nevada	600 ± 180%	200 ± 119%	300 ± 105%	200 ± 102%	500 ± 93%	600 ± 98%	2.1 ± 209%	0.8 ± 157%
Utah	---	200 ± 114%	---	100 ± 87%	---	200 ± 97%	---	2.1 ± 144%
Western Unit Total	171,400 ± 18%	174,000 ± 18%			112,500 ± 16%	94,400 ± 13%		
U.S. Total	1,296,800 ± 23%	1,348,900 ± 19%			524,100 ± 14%	573,700 ± 14%		

Table 15. Preliminary estimates of band-tailed pigeon harvest and hunter activity during the 2004 and 2005 hunting seasons.

State and	Band-tailed Pigeon Harvest		Active Hunters		Band-tailed Pigeon Days Afield		Seasonal Harvest Per Hunter	
Management Unit	2004	2005	2004	2005	2004	2005	2004	2005
Arizona	1,400 ± 120%	2,200 ± 105%	900 ± 56%	800 ± 69%	2,300 ± 80%	1,600 ± 74%	1.5 ± 133%	2.6 ± 126%
Colorado	500 ± 57%	100 ± 113%	300 ± 29%	200 ± 46%	700 ± 35%	300 ± 51%	1.6 ± 64%	0.8 ± 122%
New Mexico	700 ± 115%	300 ± 106%	100 ± 103%	100 ± 109%	300 ± 92%	400 ± 140%	4.9 ± 155%	3.2 ± 152%
Utah	200 ± 136%	100 ± 193%	50 ± 92%	100 ± 134%	100 ± 72%	200 ± 142%	3.8 ± 165%	1.5 ± 235%
Four Corners Total	2,800 ± 68%	2,700 ± 86%			3,400 ± 55%	2,500 ± 54%		
California	14,300 ± 45%	11,100 ± 58%	4,700 ± 37%	3,900 ± 39%	9,700 ± 36%	8,800 ± 47%	3.1 ± 59%	2.9 ± 70%
Oregon	3,300 ± 44%	1,400 ± 34%	1,500 ± 36%	500 ± 14%	3,400 ± 35%	1,300 ± 21%	2.2 ± 57%	2.6 ± 37%
Washington	300 ± 160%	1,000 ± 84%	500 ± 64%	700 ± 58%	800 ± 83%	1,000 ± 62%	0.6 ± 173%	1.5 ± 102%
Pacific Coast Total	17,900 ± 37%	13,500 ± 48%			13,900 ± 27%	11,000 ± 38%		
U.S. Total	20,700 ± 33%	16,200 ± 43%			17,300 ± 24%	13,600 ± 32%		

Table 16. Preliminary estimates of woodcock harvest and hunter activity during the 2004 and 2005 hunting seasons.

State and	Woodcock Harvest		Active Hunters		Woodcock Days Afield		Seasonal Harvest Per Hunter	
Management Unit	2004	2005	2004	2005	2004	2005	2004	2005
Connecticut	2,100 ± 167%	4,000 ± 64%	900 ± 107%	1,300 ± 28%	5,000 ± 113%	6,800 ± 32%	2.3 ± 199%	3.1 ± 70%
Delaware	500 ± 99%	300 ± 195%	400 ± 56%	100 ± 137%	2,200 ± 102%	200 ± 145%	1.3 ± 114%	2.0 ± 238%
Florida	1,100 ± 62%	300 ± 126%	1,000 ± 111%	1,000 ± 166%	3,100 ± 112%	1,800 ± 103%	1.1 ± 127%	0.3 ± 208%
Georgia	1,600 ± 109%	1,800 ± 108%	2,600 ± 103%	400 ± 66%	7,100 ± 110%	2,500 ± 93%	0.6 ± 150%	4.3 ± 127%
Maine	15,600 ± 58%	9,100 ± 29%	4,300 ± 39%	5,800 ± 34%	27,000 ± 62%	25,200 ± 39%	3.6 ± 70%	1.6 ± 45%
Maryland	700 ± 84%	500 ± 66%	700 ± 107%	500 ± 129%	2,500 ± 108%	1,400 ± 90%	1.0 ± 136%	1.0 ± 145%
Massachussetts	2,600 ± 31%	2,300 ± 27%	1,000 ± 25%	1,300 ± 22%	6,600 ± 35%	7,100 ± 28%	2.7 ± 40%	1.7 ± 35%
New Hampshire	4,100 ± 30%	5,200 ± 28%	1,500 ± 31%	2,200 ± 23%	9,700 ± 39%	10,600 ± 27%	2.7 ± 43%	2.4 ± 36%
New Jersey	2,200 ± 54%	2,400 ± 40%	1,100 ± 35%	1,400 ± 30%	3,400 ± 41%	4,900 ± 32%	2.1 ± 64%	1.7 ± 50%
New York	9,400 ± 29%	10,700 ± 29%	4,400 ± 23%	4,300 ± 23%	17,500 ± 23%	16,700 ± 26%	2.1 ± 37%	2.5 ± 37%
North Carolina	700 ± 151%	1,800 ± 163%	200 ± 112%	1,800 ± 161%	700 ± 126%	2,100 ± 141%	3.7 ± 188%	1.0 ± 229%
Pennsylvania	12,500 ± 60%	19,200 ± 29%	9,000 ± 29%	11,300 ± 26%	37,000 ± 36%	56,800 ± 34%	1.4 ± 67%	1.7 ± 39%
Rhode Island	200 ± 79%	200 ± 143%	200 ± 73%	200 ± 93%	1,300 ± 97%	800 ± 104%	1.0 ± 107%	0.8 ± 170%
South Carolina	1,300 ± 82%	3,000 ± 145%	1,700 ± 95%	1,700 ± 82%	2,500 ± 68%	3,900 ± 72%	0.8 ± 125%	1.7 ± 166%
Vermont	4,000 ± 35%	6,500 ± 57%	800 ± 37%	1,500 ± 40%	4,200 ± 24%	10,000 ± 54%	4.9 ± 50%	4.5 ± 69%
Virginia	2,000 ± 38%	4,100 ± 142%	2,000 ± 63%	1,400 ± 79%	4,500 ± 58%	11,800 ± 147%	1.0 ± 74%	2.8 ± 163%
West Virginia	800 ± 26%	1,000 ± 43%	400 ± 61%	400 ± 66%	1,300 ± 49%	1,500 ± 65%	2.3 ± 67%	2.5 ± 79%
Eastern Unit Total	61,500 ± 21%	72,200 ± 16%			135,400 ± 18%	164,200 ± 18%		
Alabama	2,200 ± 143%	100 ± 157%	600 ± 167%	<50 ± 107%	1,000 ± 112%	200 ± 165%	3.5 ± 220%	4.0 ± 190%
Arkansas	2,800 ± 114%	1,500 ± 115%	3,600 ± 85%	3,800 ± 107%	20,100 ± 138%	9,200 ± 99%	0.8 ± 142%	0.4 ± 157%
Illinois	1,900 ± 96%	3,900 ± 196%	1,200 ± 74%	2,100 ± 79%	3,500 ± 78%	5,300 ± 89%	1.6 ± 121%	1.8 ± 211%
Indiana	7,900 ± 145%	4,400 ± 91%	1,100 ± 104%	2,100 ± 55%	5,300 ± 124%	7,400 ± 69%	7.1 ± 178%	2.1 ± 106%
Iowa	1,700 ± 103%	1,000 ± 115%	1,800 ± 83%	800 ± 82%	8,800 ± 102%	2,200 ± 77%	1.0 ± 132%	1.3 ± 141%
Kansas	100 ± 94%	0	<50 ± 65%	0	200 ± 83%	0	2.6 ± 115%	0
Kentucky	1,900 ± 142%	800 ± 99%	900 ± 154%	1,000 ± 141%	1,300 ± 110%	2,900 ± 98%	2.2 ± 210%	0.9 ± 172%
Louisiana	20,200 ± 124%	18,100 ± 89%	3,600 ± 75%	5,500 ± 65%	14,100 ± 95%	16,700 ± 74%	5.6 ± 145%	3.3 ± 110%
Michigan	102,500 ± 21%	106,800 ± 27%	31,200 ± 13%	28,000 ± 13%	147,000 ± 14%	151,200 ± 17%	3.3 ± 25%	3.8 ± 30%
Minnesota	38,500 ± 53%	42,200 ± 54%	14,500 ± 27%	12,000 ± 31%	67,000 ± 33%	60,200 ± 42%	2.7 ± 59%	3.5 ± 62%
Mississippi	900 ± 117%	0	1,100 ± 127%	0	3,600 ± 143%	0	0.8 ± 173%	0
Missouri	900 ± 113%	1,300 ± 48%	2,500 ± 183%	1,200 ± 109%	3,700 ± 130%	5,000 ± 107%	0.4 ± 215%	1.1 ± 119%
Nebraska	<50 ± 178%	0	<50 ± 86%	300 ± 196%	100 ± 122%	300 ± 196%	1.8 ± 197%	0
Ohio	4,600 ± 101%	6,900 ± 83%	2,600 ± 82%	4,700 ± 65%	18,200 ± 126%	15,800 ± 79%	1.8 ± 130%	1.5 ± 105%
Oklahoma	200 ± 54%	0	500 ± 168%	0	2,800 ± 160%	0	0.4 ± 177%	0
Tennessee	400 ± 92%	400 ± 159%	200 ± 71%	200 ± 95%	1,700 ± 106%	500 ± 108%	1.7 ± 116%	2.5 ± 185%
Texas	800 ± 131%	0	6,200 ± 190%	6,200 ± 193%	6,600 ± 179%	6,300 ± 188%	0.1 ± 231%	0
Wisconsin	47,300 ± 50%	37,600 ± 28%	15,700 ± 30%	15,600 ± 25%	61,100 ± 30%	73,100 ± 31%	3.0 ± 58%	2.4 ± 38%
Central Unit Total	234,800 ± 20%	225,000 ± 19%			366,100 ± 15%	356,100 ± 14%		
U.S. Total	296,300 ± 17%	297,200 ± 15%			501,500 ± 12%	520,300 ± 11%		

Table 17. Preliminary estimates of snipe harvest and hunter activity during the 2004 and 2005 hunting seasons.

	Snipe Harvest		Active Hunters		Snipe Days Afield		Seasonal Harvest Per Hunter	
State / Flyway	2004	2005	2004	2005	2004	2005	2004	2005
Connecticut	<50 ± 166%	100 ± 194%	<50 ± 166%	<50 ± 194%	<50 ± 166%	<50 ± 194%	3.0 ± 235%	3.0 ± 274%
Delaware	0	700 ± 138%	0	100 ± 132%	0	200 ± 151%	0	6.8 ± 191%
Florida	22,600 ± 52%	16,800 ± 84%	2,100 ± 75%	2,800 ± 76%	5,800 ± 49%	5,400 ± 70%	10.8 ± 91%	6.1 ± 113%
Georgia	2,300 ± 142%	1,900 ± 189%	200 ± 111%	100 ± 137%	700 ± 153%	300 ± 160%	14.7 ± 180%	18.0 ± 233%
Maine	100 ± 191%	<50 ± 193%	<50 ± 191%	<50 ± 193%	100 ± 191%	<50 ± 193%	6.0 ± 270%	1.0 ± 273%
Maryland	500 ± 172%	0	400 ± 192%	<50 ± 185%	1,700 ± 193%	<50 ± 185%	1.1 ± 258%	0
Massachusetts	100 ± 112%	400 ± 191%	100 ± 161%	<50 ± 170%	200 ± 120%	200 ± 179%	1.6 ± 196%	8.9 ± 256%
New Hampshire	<50 ± 174%	100 ± 97%	<50 ± 73%	<50 ± 62%	100 ± 86%	100 ± 83%	0.4 ± 189%	3.8 ± 115%
New Jersey	2,300 ± 187%	0	100 ± 172%	100 ± 182%	200 ± 113%	100 ± 147%	18.3 ± 254%	0
New York	100 ± 133%	2,600 ± 105%	400 ± 155%	600 ± 101%	1,500 ± 133%	1,300 ± 96%	0.2 ± 205%	4.1 ± 146%
North Carolina	6,800 ± 196%	800 ± 196%	300 ± 196%	300 ± 196%	2,600 ± 196%	300 ± 196%	26.0 ± 277%	3.0 ± 277%
Pennsylvania	100 ± 192%	2,100 ± 149%	100 ± 109%	1,100 ± 145%	400 ± 138%	2,700 ± 122%	1.0 ± 221%	2.0 ± 208%
Rhode Island	<50 ± 178%	0	100 ± 153%	0	200 ± 173%	0	0.5 ± 235%	0
South Carolina	9,800 ± 78%	23,600 ± 57%	3,100 ± 70%	1,700 ± 71%	5,000 ± 75%	5,500 ± 63%	3.2 ± 105%	13.5 ± 91%
Vermont	<50 ± 122%	<50 ± 188%	<50 ± 122%	<50 ± 188%	<50 ± 122%	100 ± 188%	2.0 ± 173%	2.0 ± 266%
Virginia	800 ± 160%	900 ± 127%	1,400 ± 130%	700 ± 116%	1,700 ± 115%	3,700 ± 150%	0.6 ± 206%	1.3 ± 172%
West Virginia	<50 ± 153%	<50 ± 173%	<50 ± 87%	<50 ± 173%	<50 ± 112%	<50 ± 173%	4.0 ± 176%	3.0 ± 244%
Atlantic Flyway Total	45,700 ± 44%	50,200 ± 41%			20,300 ± 41%	19,900 ± 42%		
Alabama	1,200 ± 161%	600 ± 137%	1,000 ± 194%	<50 ± 92%	2,000 ± 187%	100 ± 110%	1.2 ± 252%	14.8 ± 165%
Arkansas	3,200 ± 188%	4,900 ± 167%	100 ± 137%	100 ± 137%	500 ± 176%	1,000 ± 167%	29.5 ± 232%	33.0 ± 216%
Illinois	700 ± 61%	3,900 ± 183%	100 ± 42%	600 ± 172%	400 ± 56%	1,400 ± 150%	6.1 ± 74%	6.6 ± 251%
Indiana	100 ± 91%	800 ± 179%	100 ± 54%	800 ± 128%	200 ± 60%	1,600 ± 140%	1.9 ± 106%	1.0 ± 220%
Iowa	300 ± 116%	1,800 ± 102%	100 ± 73%	1,100 ± 93%	200 ± 107%	1,900 ± 99%	4.8 ± 137%	1.6 ± 139%
Kentucky	500 ± 93%	1,700 ± 174%	100 ± 80%	<50 ± 132%	300 ± 92%	300 ± 149%	5.8 ± 122%	39.5 ± 219%
Louisiana	10,000 ± 86%	12,400 ± 80%	900 ± 72%	3,700 ± 92%	3,100 ± 83%	6,500 ± 91%	11.1 ± 112%	3.4 ± 122%
Michigan	1,000 ± 145%	1,300 ± 146%	1,400 ± 122%	500 ± 86%	9,000 ± 136%	900 ± 94%	0.7 ± 189%	2.8 ± 169%
Minnesota	6,300 ± 100%	2,800 ± 164%	3,800 ± 81%	1,300 ± 124%	6,900 ± 70%	1,400 ± 115%	1.6 ± 129%	2.2 ± 206%
Mississippi	2,500 ± 138%	1,500 ± 154%	1,000 ± 136%	100 ± 136%	4,500 ± 145%	200 ± 153%	2.5 ± 194%	12.5 ± 206%
Missouri	200 ± 129%	300 ± 144%	100 ± 109%	100 ± 109%	100 ± 126%	100 ± 116%	3.3 ± 169%	5.0 ± 181%
Ohio	2,100 ± 183%	1,700 ± 196%	1,100 ± 172%	900 ± 181%	6,100 ± 185%	1,800 ± 181%	1.9 ± 251%	1.8 ± 266%
Tennessee	400 ± 195%	0	100 ± 195%	0	100 ± 195%	0	5.0 ± 275%	0
Wisconsin	4,400 ± 126%	5,800 ± 122%	1,600 ± 163%	2,500 ± 106%	4,100 ± 130%	3,700 ± 103%	2.7 ± 206%	2.3 ± 161%
Mississippi Flyway Total	32,900 ± 44%	39,500 ± 46%			37,600 ± 53%	20,800 ± 43%		

Table 17. Preliminary estimates of snipe harvest and hunter activity during the 2004 and 2005 hunting seasons.

	Snipe Harvest		Active Hunters		Snipe Days Afield		Seasonal Harvest Per Hunter	
State / Flyway	2004	2005	2004	2005	2004	2005	2004	2005
Colorado	0	300 ± 194%	100 ± 194%	100 ± 137%	200 ± 194%	200 ± 144%	0	2.0 ± 238%
Kansas	200 ± 121%	900 ± 105%	<50 ± 90%	900 ± 129%	200 ± 106%	2,300 ± 148%	4.3 ± 151%	0.9 ± 166%
Nebraska	300 ± 51%	2,300 ± 82%	<50 ± 42%	1,000 ± 97%	200 ± 54%	1,500 ± 75%	5.2 ± 66%	2.3 ± 127%
New Mexico	<50 ± 137%	1,000 ± 194%	300 ± 189%	300 ± 184%	700 ± 182%	1,000 ± 182%	0.1 ± 233%	3.8 ± 267%
North Dakota	<50 ± 110%	600 ± 132%	<50 ± 78%	800 ± 126%	100 ± 86%	1,300 ± 127%	1.4 ± 135%	0.7 ± 182%
Oklahoma	300 ± 80%	600 ± 88%	100 ± 62%	100 ± 64%	300 ± 76%	300 ± 66%	3.1 ± 102%	5.7 ± 109%
South Dakota	900 ± 169%	100 ± 57%	400 ± 171%	300 ± 183%	500 ± 145%	1,000 ± 187%	2.0 ± 241%	0.2 ± 192%
Texas	3,900 ± 80%	2,800 ± 99%	6,100 ± 131%	300 ± 60%	7,700 ± 105%	1,900 ± 89%	0.7 ± 154%	8.2 ± 116%
Wyoming	400 ± 68%	400 ± 152%	300 ± 74%	100 ± 102%	500 ± 66%	300 ± 90%	1.4 ± 101%	2.8 ± 183%
Central Flyway Total	6,100 ± 59%	8,800 ± 47%			10,300 ± 80%	9,800 ± 51%		
Arizona	0	0	0	0	0	0	0	0
California	11,000 ± 116%	16,900 ± 149%	3,900 ± 95%	2,000 ± 110%	9,800 ± 92%	7,700 ± 110%	2.8 ± 150%	8.5 ± 185%
Idaho	600 ± 150%	400 ± 111%	200 ± 78%	1,000 ± 114%	700 ± 106%	1,600 ± 88%	3.3 ± 169%	0.4 ± 159%
Montana	900 ± 107%	400 ± 109%	500 ± 171%	<50 ± 69%	900 ± 167%	100 ± 90%	1.9 ± 202%	8.3 ± 129%
Nevada	<50 ± 83%	<50 ± 143%	<50 ± 69%	<50 ± 88%	<50 ± 80%	<50 ± 95%	2.2 ± 108%	4.0 ± 168%
Oregon	900 ± 92%	1,100 ± 88%	700 ± 114%	300 ± 66%	2,100 ± 83%	1,200 ± 78%	1.3 ± 147%	3.5 ± 110%
Utah	700 ± 129%	300 ± 165%	600 ± 135%	100 ± 137%	900 ± 108%	400 ± 169%	1.1 ± 186%	3.0 ± 214%
Washington	4,100 ± 123%	2,100 ± 124%	1,300 ± 100%	800 ± 118%	4,400 ± 113%	1,700 ± 110%	3.1 ± 159%	2.7 ± 171%
Pacific Flyway Total	18,100 ± 76%	21,300 ± 119%			18,900 ± 56%	12,600 ± 70%		
Alaska	600 ± 64%	900 ± 112%	200 ± 38%	300 ± 69%	1,000 ± 69%	700 ± 78%	3.4 ± 75%	3.7 ± 132%
U.S. Total	103,300 ± 28%	120,700 ± 31%			88,000 ± 29%	63,800 ± 25%		

Table 18. Preliminary estimates of coot harvest and hunter activity during the 2004 and 2005 hunting seasons.

	Coot Harvest		Active Hunters		Coot Days Afield		Seasonal Harvest Per Hunter	
State / Flyway	2004	2005	2004	2005	2004	2005	2004	2005
Connecticut	<50 ± 121%	100 ± 194%	<50 ± 114%	0 ± 194%	<50 ± 121%	<50 ± 194%	1.5 ± 166%	2.0 ± 274%
Delaware	0	1,000 ± 175%	0	100 ± 137%	0	600 ± 179%	0	9.5 ± 222%
Florida	2,400 ± 75%	14,400 ± 98%	800 ± 131%	1,200 ± 101%	2,400 ± 93%	2,900 ± 75%	2.9 ± 151%	11.7 ± 141%
Georgia	1,100 ± 196%	800 ± 194%	1,100 ± 196%	100 ± 137%	1,100 ± 196%	400 ± 138%	1.0 ± 277%	7.5 ± 237%
Maine	400 ± 152%	3,600 ± 187%	<50 ± 135%	900 ± 189%	200 ± 135%	1,000 ± 177%	10.5 ± 203%	4.0 ± 266%
Maryland	100 ± 108%	0	<50 ± 105%	0	<50 ± 110%	0	2.3 ± 151%	0
Massachusetts	100 ± 86%	100 ± 150%	<50 ± 56%	100 ± 152%	100 ± 81%	100 ± 107%	4.4 ± 102%	2.1 ± 214%
New Hampshire	0	100 ± 118%	0	<50 ± 79%	0	100 ± 84%	0	9.0 ± 142%
New Jersey	100 ± 187%	100 ± 163%	100 ± 179%	100 ± 162%	400 ± 172%	100 ± 131%	1.0 ± 258%	1.0 ± 230%
New York	500 ± 83%	1,400 ± 102%	100 ± 67%	400 ± 118%	1,100 ± 118%	1,200 ± 80%	5.3 ± 107%	3.1 ± 156%
North Carolina	3,100 ± 196%	2,700 ± 161%	300 ± 196%	500 ± 138%	1,300 ± 196%	1,100 ± 138%	12.0 ± 277%	5.0 ± 212%
Pennsylvania	400 ± 156%	1,200 ± 98%	100 ± 83%	300 ± 68%	1,100 ± 98%	1,400 ± 97%	3.0 ± 176%	4.1 ± 119%
Rhode Island	500 ± 190%	0	100 ± 129%	0	1,000 ± 181%	0	3.9 ± 229%	0
South Carolina	3,900 ± 135%	6,600 ± 82%	1,700 ± 96%	1,200 ± 103%	4,800 ± 114%	3,900 ± 101%	2.3 ± 165%	5.6 ± 132%
Vermont	<50 ± 178%	0	<50 ± 178%	0	<50 ± 178%	0	1.0 ± 252%	0
Virginia	400 ± 166%	600 ± 136%	100 ± 109%	300 ± 187%	700 ± 110%	3,500 ± 190%	7.3 ± 199%	1.9 ± 231%
West Virginia	<50 ± 153%	100 ± 173%	<50 ± 153%	<50 ± 173%	<50 ± 153%	<50 ± 173%	3.0 ± 216%	20.0 ± 244%
Atlantic Flyway Total	13,100 ± 66%	32,600 ± 53%			14,000 ± 52%	16,100 ± 53%		
Alabama	4,800 ± 161%	100 ± 156%	1,900 ± 138%	<50 ± 131%	8,600 ± 145%	<50 ± 147%	2.5 ± 212%	5.5 ± 204%
Arkansas	200 ± 194%	12,300 ± 195%	100 ± 137%	100 ± 195%	200 ± 144%	800 ± 195%	1.5 ± 237%	165.0 ± 275%
Illinois	400 ± 89%	4,300 ± 145%	100 ± 58%	1,100 ± 128%	300 ± 95%	1,500 ± 97%	6.0 ± 106%	3.8 ± 194%
Indiana	100 ± 109%	500 ± 73%	100 ± 57%	100 ± 33%	200 ± 82%	400 ± 63%	2.1 ± 123%	6.5 ± 80%
Iowa	800 ± 114%	2,000 ± 102%	100 ± 81%	900 ± 105%	400 ± 86%	1,400 ± 94%	13.6 ± 140%	2.2 ± 147%
Kentucky	5,600 ± 72%	2,700 ± 102%	1,200 ± 165%	1,200 ± 128%	2,200 ± 97%	2,300 ± 111%	4.8 ± 180%	2.2 ± 164%
Louisiana	104,000 ± 135%	70,200 ± 90%	6,000 ± 77%	4,200 ± 81%	43,100 ± 112%	18,800 ± 109%	17.4 ± 155%	16.8 ± 121%
Michigan	100 ± 195%	2,900 ± 126%	100 ± 195%	1,100 ± 150%	100 ± 195%	2,700 ± 132%	1.0 ± 276%	2.7 ± 196%
Minnesota	4,500 ± 65%	11,700 ± 94%	2,500 ± 99%	2,200 ± 100%	6,000 ± 101%	10,000 ± 126%	1.8 ± 118%	5.3 ± 137%
Mississippi	1,600 ± 180%	100 ± 194%	1,100 ± 131%	100 ± 194%	2,500 ± 138%	100 ± 194%	1.6 ± 222%	1.0 ± 275%
Missouri	800 ± 136%	400 ± 191%	500 ± 173%	500 ± 188%	600 ± 162%	1,100 ± 188%	1.4 ± 220%	0.8 ± 268%
Ohio	1,000 ± 196%	0	1,000 ± 196%	0	5,700 ± 196%	0	1.0 ± 277%	0
Tennessee	100 ± 195%	0	100 ± 195%	0	1,100 ± 195%	0	2.0 ± 275%	0
Wisconsin	1,600 ± 118%	3,400 ± 101%	300 ± 76%	1,000 ± 150%	1,200 ± 114%	1,800 ± 91%	6.0 ± 141%	3.3 ± 181%
Mississippi Flyway Total	125,600 ± 112%	110,600 ± 62%			72,300 ± 71%	41,000 ± 60%		

Table 18. Preliminary estimates of coot harvest and hunter activity during the 2004 and 2005 hunting seasons.

	Coot Harvest		Active Hunters		Coot Days Afield		Seasonal Harvest Per Hunter	
State / Flyway	2004	2005	2004	2005	2004	2005	2004	2005
Colorado	200 ± 144%	200 ± 144%	500 ± 152%	100 ± 137%	600 ± 133%	400 ± 169%	0.4 ± 209%	1.5 ± 199%
Kansas	100 ± 187%	400 ± 94%	<50 ± 187%	<50 ± 64%	<50 ± 187%	100 ± 83%	11.0 ± 265%	12.9 ± 113%
Nebraska	2,400 ± 188%	1,500 ± 132%	400 ± 187%	200 ± 96%	1,200 ± 183%	300 ± 107%	5.9 ± 265%	9.3 ± 163%
New Mexico	3,800 ± 195%	<50 ± 120%	600 ± 136%	<50 ± 92%	1,300 ± 134%	100 ± 99%	6.0 ± 238%	2.3 ± 151%
North Dakota	100 ± 86%	800 ± 92%	<50 ± 65%	1,500 ± 92%	100 ± 83%	3,200 ± 106%	2.4 ± 108%	0.5 ± 130%
Oklahoma	1,200 ± 87%	200 ± 132%	400 ± 156%	<50 ± 132%	900 ± 96%	200 ± 151%	3.0 ± 178%	5.5 ± 187%
South Dakota	9,700 ± 195%	5,300 ± 194%	400 ± 181%	300 ± 186%	800 ± 188%	3,100 ± 194%	23.2 ± 266%	16.3 ± 268%
Texas	2,200 ± 109%	7,000 ± 176%	200 ± 78%	3,200 ± 190%	1,000 ± 87%	3,400 ± 182%	13.5 ± 134%	2.2 ± 259%
Wyoming	200 ± 119%	100 ± 194%	100 ± 161%	100 ± 194%	100 ± 153%	100 ± 194%	2.9 ± 200%	1.0 ± 275%
Central Flyway Total	19,900 ± 106%	15,400 ± 105%			6,100 ± 58%	10,800 ± 86%		
Arizona	200 ± 195%	<50 ± 188%	100 ± 195%	<50 ± 188%	600 ± 195%	<50 ± 188%	2.0 ± 276%	3.0 ± 266%
California	7,700 ± 97%	9,000 ± 40%	1,600 ± 136%	2,300 ± 97%	2,300 ± 101%	8,800 ± 96%	4.8 ± 167%	4.0 ± 105%
Idaho	800 ± 107%	2,500 ± 103%	600 ± 139%	500 ± 153%	1,200 ± 89%	900 ± 113%	1.4 ± 176%	4.7 ± 185%
Montana	800 ± 186%	600 ± 137%	400 ± 192%	<50 ± 128%	400 ± 181%	100 ± 129%	2.1 ± 267%	36.5 ± 187%
Nevada	200 ± 75%	1,600 ± 153%	<50 ± 43%	200 ± 115%	300 ± 91%	2,600 ± 156%	5.5 ± 87%	9.6 ± 191%
Oregon	600 ± 105%	1,500 ± 115%	500 ± 149%	200 ± 77%	1,200 ± 86%	1,300 ± 94%	1.2 ± 182%	6.3 ± 139%
Utah	8,200 ± 74%	5,200 ± 70%	1,400 ± 85%	1,400 ± 56%	5,000 ± 76%	3,600 ± 56%	5.9 ± 112%	3.8 ± 89%
Washington	4,100 ± 125%	2,300 ± 74%	900 ± 122%	400 ± 151%	2,300 ± 136%	800 ± 88%	4.7 ± 175%	5.4 ± 168%
Pacific Flyway Total	22,700 ± 49%	22,700 ± 30%			13,400 ± 44%	18,100 ± 54%		
U.S. Total	181,300 ± 79%	181,300 ± 40%			105,800 ± 50%	86,100 ± 34%		

Table 19. Preliminary estimates of rail harvest and hunter activity during the 2004 and 2005 hunting seasons.

	Rail Harvest		Active Hunters		Rail Days Afield		Seasonal Harvest Per Hunter	
State / Flyway	2004	2005	2004	2005	2004	2005	2004	2005
Connecticut	100 ± 157%	400 ± 157%	<50 ± 107%	100 ± 133%	<50 ± 113%	300 ± 136%	11.5 ± 190%	4.4 ± 205%
Delaware	0	0	0	<50 ± 194%	0	100 ± 194%	0	0
Florida	4,900 ± 108%	3,100 ± 181%	600 ± 142%	100 ± 111%	5,000 ± 170%	300 ± 132%	8.2 ± 179%	25.0 ± 213%
Georgia	0	0	0	0	0	0	0	0
Maine	0	0	0	0	0	0	0	0
Maryland	100 ± 182%	0	<50 ± 182%	<50 ± 184%	<50 ± 182%	<50 ± 184%	20.0 ± 258%	0
Massachusetts	100 ± 105%	<50 ± 193%	100 ± 151%	100 ± 131%	100 ± 111%	100 ± 133%	0.8 ± 184%	0.5 ± 233%
New Jersey	1,600 ± 47%	4,300 ± 101%	100 ± 27%	200 ± 85%	300 ± 38%	400 ± 49%	18.1 ± 54%	21.0 ± 132%
New York	<50 ± 185%	700 ± 111%	<50 ± 89%	200 ± 167%	200 ± 112%	300 ± 113%	0.3 ± 205%	3.6 ± 201%
North Carolina	1,900 ± 196%	0	200 ± 196%	0	700 ± 196%	0	8.0 ± 277%	0
Pennsylvania	0	0	0	700 ± 196%	0	1,400 ± 196%	0	0
Rhode Island	100 ± 177%	<50 ± 183%	<50 ± 177%	<50 ± 183%	<50 ± 177%	<50 ± 183%	15.0 ± 250%	2.0 ± 259%
South Carolina	3,000 ± 35%	9,200 ± 58%	100 ± 26%	1,000 ± 105%	400 ± 31%	1,600 ± 76%	22.7 ± 44%	8.8 ± 120%
Virginia	4,300 ± 173%	2,300 ± 92%	700 ± 175%	400 ± 155%	700 ± 170%	600 ± 110%	6.1 ± 245%	5.5 ± 181%
West Virginia	100 ± 194%	0	100 ± 194%	0	100 ± 194%	0	2.0 ± 274%	0
Atlantic Flyway Total	16,200 ± 61%	20,000 ± 46%			7,500 ± 116%	5,200 ± 62%		
Alabama	1,000 ± 196%	<50 ± 186%	1,000 ± 196%	<50 ± 186%	1,000 ± 196%	<50 ± 186%	1.0 ± 277%	2.0 ± 262%
Arkansas	0	12,200 ± 195%	0	100 ± 195%	0	800 ± 195%	0	170.0 ± 275%
Illinois	2,400 ± 174%	100 ± 80%	900 ± 132%	300 ± 184%	1,900 ± 139%	800 ± 164%	2.7 ± 218%	0.2 ± 201%
Indiana	2,200 ± 129%	1,500 ± 139%	1,000 ± 95%	600 ± 110%	3,900 ± 99%	800 ± 113%	2.1 ± 160%	2.5 ± 178%
Iowa	<50 ± 108%	1,100 ± 138%	<50 ± 79%	700 ± 111%	100 ± 91%	2,200 ± 113%	1.0 ± 134%	1.5 ± 177%
Kentucky	0	0	600 ± 189%	0	2,500 ± 194%	0	0	0
Louisiana	21,200 ± 147%	15,900 ± 135%	3,600 ± 105%	3,000 ± 101%	10,400 ± 109%	5,800 ± 92%	5.9 ± 180%	5.4 ± 169%
Michigan	0	200 ± 195%	900 ± 196%	200 ± 137%	6,100 ± 196%	400 ± 154%	0	1.0 ± 238%
Minnesota	1,900 ± 138%	0	1,200 ± 131%	0	6,800 ± 171%	0	1.5 ± 191%	0
Mississippi	100 ± 188%	0	<50 ± 188%	0	<50 ± 188%	0	4.0 ± 266%	0
Missouri	0	500 ± 176%	0	500 ± 190%	0	500 ± 185%	0	1.1 ± 259%
Ohio	0	600 ± 195%	0	100 ± 195%	0	100 ± 195%	0	8.0 ± 275%
Tennessee	0	0	0	0	0	0	0	0
Wisconsin	2,100 ± 140%	0	1,300 ± 188%	100 ± 84%	3,300 ± 155%	200 ± 116%	1.6 ± 234%	0
Mississippi Flyway Total	30,900 ± 103%	32,100 ± 100%			35,900 ± 61%	11,700 ± 55%		
Colorado	0	0	100 ± 194%	200 ± 196%	200 ± 194%	400 ± 196%	0	0
Kansas	300 ± 105%	700 ± 127%	<50 ± 88%	500 ± 183%	100 ± 99%	500 ± 164%	8.0 ± 137%	1.5 ± 223%
Nebraska	2,600 ± 123%	400 ± 131%	1,000 ± 112%	100 ± 111%	2,900 ± 128%	300 ± 126%	2.7 ± 166%	3.3 ± 171%
New Mexico	0	200 ± 189%	300 ± 196%	200 ± 189%	600 ± 196%	200 ± 174%	0	1.0 ± 268%
Oklahoma	200 ± 95%	100 ± 173%	<50 ± 79%	<50 ± 129%	100 ± 86%	100 ± 132%	4.6 ± 123%	7.0 ± 216%
Texas	400 ± 130%	<50 ± 193%	5,200 ± 136%	<50 ± 193%	10,400 ± 136%	<50 ± 193%	0.1 ± 188%	1.0 ± 273%
Wyoming	<50 ± 153%	0	<50 ± 153%	0	<50 ± 153%	0	1.0 ± 216%	0
Central Flyway Total	3,400 ± 95%	1,500 ± 77%			14,300 ± 103%	1,600 ± 84%		
U.S. Total	50,500 ± 66%	53,600 ± 62%			57,700 ± 48%	18,500 ± 39%		

Table 20. Preliminary estimates of gallinule harvest and hunter activity during the 2004 and 2005 hunting seasons.

	Gallinule Harvest		Active Hunters		Gallinule Days Afield		Seasonal Harvest Per Hunter	
State / Flyway	2004	2005	2004	2005	2004	2005	2004	2005
Delaware	0	600 ± 194%	0	<50 ± 194%	0	200 ± 194%	0	12.0 ± 274%
Florida	0	400 ± 194%	<50 ± 191%	100 ± 137%	100 ± 191%	800 ± 164%	0	5.0 ± 237%
Georgia	0	0	0	0	0	0	0	0
Maine	0	0	0	0	0	0	0	0
New Jersey	<50 ± 124%	200 ± 191%	<50 ± 95%	100 ± 174%	<50 ± 97%	200 ± 163%	1.0 ± 156%	1.8 ± 259%
New York	<50 ± 185%	300 ± 98%	<50 ± 104%	<50 ± 69%	100 ± 125%	100 ± 83%	0.3 ± 212%	10.3 ± 120%
North Carolina	0	0	0	0	0	0	0	0
Pennsylvania	0	0	0	700 ± 196%	0	1,400 ± 196%	0	0
Rhode Island	0	0	0	0	0	0	0	0
South Carolina	0	1,100 ± 196%	0	600 ± 186%	0	600 ± 186%	0	1.9 ± 270%
Virginia	100 ± 191%	100 ± 186%	<50 ± 191%	<50 ± 186%	<50 ± 191%	<50 ± 186%	3.0 ± 270%	9.0 ± 263%
West Virginia	0	0	0	0	0	0	0	0
Atlantic Flyway Total	100 ± 145%	2,600 ± 98%			300 ± 85%	3,300 ± 98%		
Alabama	0	<50 ± 186%	0	<50 ± 186%	0	<50 ± 186%	0	2.0 ± 262%
Arkansas	0	0	0	0	0	0	0	0
Indiana	0	<50 ± 153%	0	<50 ± 153%	0	<50 ± 153%	0	2.0 ± 216%
Kentucky	0	0	0	500 ± 196%	0	1,000 ± 196%	0	0
Louisiana	30,500 ± 132%	23,500 ± 86%	4,200 ± 90%	3,500 ± 87%	14,400 ± 99%	8,800 ± 80%	7.3 ± 160%	6.8 ± 122%
Michigan	0	1,700 ± 196%	0	800 ± 196%	0	800 ± 196%	0	2.0 ± 277%
Minnesota	<50 ± 191%	400 ± 196%	<50 ± 135%	400 ± 196%	200 ± 169%	400 ± 196%	1.0 ± 234%	1.0 ± 277%
Mississippi	<50 ± 188%	0	<50 ± 188%	0	<50 ± 188%	0	1.0 ± 266%	0
Ohio	0	0	0	0	0	0	0	0
Tennessee	0	100 ± 195%	0	100 ± 195%	0	100 ± 195%	0	1.0 ± 275%
Wisconsin	900 ± 194%	<50 ± 189%	100 ± 194%	<50 ± 133%	800 ± 194%	200 ± 175%	16.0 ± 275%	0.5 ± 231%
Mississippi Flyway Total	31,400 ± 128%	25,700 ± 79%			15,500 ± 93%	11,400 ± 66%		
New Mexico	0	0	0	0	0	0	0	0
Oklahoma	0	<50 ± 187%	0	<50 ± 187%	0	<50 ± 187%	0	2.0 ± 264%
Texas	700 ± 185%	0	100 ± 136%	0	100 ± 138%	0	14.0 ± 230%	0
Central Flyway Total	700 ± 185%	<50 ± 187%			100 ± 138%	<50 ± 187%		
Arizona	0	0	0	0	0	0	0	0
California	1,700 ± 196%	2,200 ± 107%	1,700 ± 138%	1,100 ± 132%	1,700 ± 138%	1,700 ± 129%	1.0 ± 240%	2.1 ± 169%
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	1,700 ± 196%	2,200 ± 107%			1,700 ± 138%	1,700 ± 129%		
U.S. Total	33,900 ± 119%	30,600 ± 68%			17,700 ± 83%	16,500 ± 51%		

Table 21. Preliminary estimates of rail harvest during the 2004 and 2005 hunting seasons. Species-specific estimates were derived from 5-year runnning averages of species composition estimates from the Migratory Bird Wing Collection Survey.

	Sora		Virginia		Clapper		King	
Flyway	2004	2005	2004	2005	2004	2005	2004	2005
Atlantic	7,800	9,100	200	200	8,200	10,600	<50	<50
Mississippi	30,200	31,500	700	600	0	0	0	0
Central	1,600	1,000	500	200	1,000	200	300	200
U.S. Total	39,600	41,600	1,400	1,000	9,200	10,800	300	200

Appendix A. Number of Federal Duck Stamps sold by state and flyway for 2004 and 2005.

	Duck Stamp Sales			Duck Stamp Sales	
State / Flyway	2004	2005	State / Flyway	2004	2005
Connecticut	5,774	5,365	Colorado	33,524	37,811
Delaware	7,279	7,326	Kansas	23,263	22,012
Washington D.C.	1,486	1,633	Nebraska	34,202	32,353
Florida	17,045	18,304	New Mexico	4,270	3,781
Georgia	23,046	22,585	North Dakota	27,436	25,727
Maine	9,160	8,766	Oklahoma	20,633	19,444
Maryland	34,032	33,724	South Dakota	28,109	24,314
Massachusetts	7,743	8,039	Texas	122,632	113,236
New Hampshire	4,580	4,152	Wyoming	9,001	8,130
New Jersey	11,900	11,510	Central Flyway	303,070	286,808
New York	39,487	10,042			
North Carolina	37,706	39,642	Arizona	4,376	4,014
Pennsylvania	55,512	52,647	California	73,303	72,102
Rhode Island	1,667	1,608	Idaho	20,070	19,234
South Carolina	24,283	23,707	Montana	20,031	18,945
Vermont	4,723	4,952	Nevada	5,306	5,446
Virginia	26,610	27,662	Oregon	28,086	27,836
West Virginia	1,673	1,689	Utah	44,355	50,048
Atlantic Flyway	313,706	283,353	Washington	28,071	27,405
			Pacific Flyway	223,598	225,030
Alabama	15,605	15,714			
Arkansas	55,870	50,387	Alaska	9,434	8,811
Illinois	51,770	51,237			
Indiana	21,826	21,278	U.S. Total	1,554,885	1,493,080
Iowa	28,466	25,708			
Kentucky	16,846	16,407			
Louisiana	84,753	78,385			
Michigan	58,061	54,993			
Minnesota	131,726	119,075			
Mississippi	22,292	20,418			
Missouri	37,683	36,193			
Ohio	29,939	28,880			
Tennessee	32,089	30,565			
Wisconsin	67,911	62,782			
Mississippi Flyway	654,837	612,022			