



U.S. Fish & Wildlife Service

Migratory bird hunting activity and harvest during the 2013-14 and 2014-15 hunting seasons

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Hunter setting decoys.
USFWS/Milton Friend

Migratory bird hunting activity and harvest during the 2013-14 and 2014-15 hunting seasons.

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Abstract: National surveys of migratory bird hunters were conducted during the 2013 and 2014 hunting seasons. Hunters of the following types of migratory birds were surveyed: waterfowl (family Anatidae), doves (mourning [*Zenaida macroura*] and white-winged [*Z. asiatica*]), band-tailed pigeon (*Patagioenas fasciata*), American woodcock (*Scolopax minor*), Wilson's snipe (*Gallinago delicata*), American coot (*Fulica americana*), gallinules (common gallinule [*Gallinula galeata*] and purple gallinule [*Pophyrrio martinica*]), and rails (king rail [*Rallus elegans*], clapper rail [*R. longirostris*], Virginia rail [*R. limicola*], and sora [*Coturnicops noveboracensis*]). Over 1 million waterfowl hunters harvested 13,716,400 ($\pm 6\%$) ducks and 3,360,400 ($\pm 6\%$) geese in 2013, and over 1 million waterfowl hunters harvested 13,267,800 ($\pm 4\%$) ducks and 3,321,100 ($\pm 11\%$) geese in 2014. Mallard (*Anas platyrhynchos*), green-winged teal (*A. crecca*), gadwall (*A. strepera*), blue-winged/cinnamon teal (*A. discors* and *A. cyanoptera*), and wood duck (*Aix sponsa*) were the 5 most-harvested duck species in the U.S., and Canada goose (*Branta canadensis*) was the predominant goose species in the goose harvest. About 857,300 dove hunters harvested 14,529,800 ($\pm 7\%$) mourning doves in 2013 and 839,600 hunters harvested 13,809,500 ($\pm 6\%$) in 2014. Woodcock hunters numbered about 109,800 in 2013 and 90,600 in 2014, and harvested 243,100 ($\pm 15\%$) in 2013 and 200,100 ($\pm 18\%$) in 2014. About 24,700 people hunted snipe in 2013 and 21,600 in 2014, and they harvested 69,100 ($\pm 38\%$) and 94,900 ($\pm 55\%$) snipe in 2013 and 2014, respectively. Coot hunters (about 34,800 in 2013 and 38,400 in 2014) harvested 254,900 ($\pm 41\%$) coots in 2013 and 294,100 ($\pm 37\%$) in 2014. Gallinule hunters (about 6,300 in 2013 and 7,300 in 2014) harvested 21,300 ($\pm 78\%$) in 2013 and 5,200 ($\pm 92\%$) in 2014. About 6,900 rail hunters harvested 23,500 ($\pm 56\%$) rails in 2013 and 11,000 rail hunters harvested 18,000 ($\pm 65\%$) rails in 2014.

Introduction

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

This report presents hunter activity and harvest estimates from the HIP surveys for the 2013-14 and 2014-15 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 August 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 or 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 or species-groups based on his or her answers to the screening questions. From each State list the FWS selected stratified samples for each species or 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 or species-group at a very low rate. The FWS conducted 5 separate harvest surveys to estimate hunter activity and harvest of: (1) waterfowl (ducks, sea ducks, geese, and brant), (2) doves and band-tailed pigeons, (3) woodcock, (4) snipe, rails, gallinules, and coots, and (5) sandhill cranes in Alaska.

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

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

Analysis. Standard analyses for stratified samples (Cochran 1977, Steele and Torrie 1980) were used to obtain estimates of harvest and hunter activity for each state and species or 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. To get total numbers at larger geographic scales, we summed the number of active hunters in each state. This may overestimate the total number of active hunters because hunters are required to HIP register in each state in which they hunt migratory birds.

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 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 1963-2014 were reported in “American woodcock population status, 2015” (Cooper and Rau 2015). 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.

Beginning in 2007, the FWS has performed a national Mourning Dove Parts Collection Survey to determine an index of recruitment. Selected hunters were asked to send in a wing from mourning doves harvested during the first two hunts of the season. Pooled age ratios from 2007-2014 were reported in “Mourning Dove population status, 2015” (Seamans 2015).

Survey Results

Waterfowl Hunter Activity and Harvest (Tables 1-7, Figures 1-3). HIP waterfowl harvest survey sample sizes and response rates were 76,461 hunters and 41% for the 2013-14, and 103,485 hunters and 38% for the 2014-15 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 were estimated separately from other ducks for states that had special sea duck seasons or regulations (Table 3). Likewise, brant hunter activity and harvest along the Atlantic and Pacific coasts was estimated separately and reported in Table 4. Sea duck and brant harvest estimates are also shown in the species-specific waterfowl estimates in Table 1, but the estimates of sea ducks and brant days afield and active hunters shown in Tables 3 and 4 are not included in the estimates duck and goose days afield, and active duck and goose hunters that are shown in Table 1.

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

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

Waterfowl Age and Sex Ratios (Tables 8-12, Figures 3-6). The 2013-14 Waterfowl Parts Survey collected 74,693 duck wings and 16,422 goose tails and primary tips from 4,196 hunters; the 2014-15 sample consisted of 83,028 duck wings and 15,996 goose tails and primary wing tips from 4,341 hunters. State-specific mallard age ratios and flyway-level age ratios for other ducks species are reported in Tables 8 and 9, respectively, followed by state-specific mallard sex ratios (Table 10) and flyway-level sex ratios for other duck species (Table 11). Table 12 gives age ratios for geese. Figures 3-6 show the long-term trends in age ratios of mallards (Figure 3), northern pintails (Figure 4), American black ducks and wood ducks (Figure 5) and lesser scaup (Figure 6).

Dove and Band-tailed Pigeon Hunter Activity and Harvest (Tables 13-15). The dove and band-tailed pigeon estimates were based on samples of 46,999 hunters in 2013-14 (46% response rate) and 51,682 hunters in 2014-15 (45% 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 2013-14 survey had a sample size of 17,357 hunters and a 51% response rate; the 2014-15 survey sample size and response rate were 19,120 hunters and 49%.

Snipe, Coot, Gallinule, and Rail Hunter Activity and Harvest (Tables 17-21). The sample for the 2013-14 snipe, coot, gallinule, and rail harvest survey was 33,221 hunters (43% response rate) and 33,161 hunters (46% response rate) for the 2014-15 survey. Tables 17-20 give the estimates for Wilson's snipe (Table 17), American coot (Table 18), gallinules (Table 19; all species combined) and rails (Table 20; all species combined).

We believe that the number of rail wings collected each year is too small 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 2013-14 estimates are based on the species composition of 2,478 rail wings collected from 135 hunters collected during 2009-2013, and the 2014-15 estimates are based on 2,459 rail wings collected from 122 hunters collected during 2010-2014.

Alaska Sandhill Crane Hunter Activity and Harvest Estimates. The estimates presented below were derived from surveys of 833 (2013-14, 56% response rate) and 637 (2014-15, 58% response rate) Alaska migratory bird hunters. For Alaska's 2013 season, we estimated that 1,000 active sandhill crane hunters spent 4,100 days hunting cranes and harvested 1,400 birds. In 2014, an estimated 1,100 active hunters spent 5,300 days hunting cranes and harvested 1,400 birds.

Mid-continent sandhill crane hunting activity and harvest in the Central Flyway states are estimated in a separate annual survey. Results of that survey for the 2013 and 2014 seasons were reported in, "Status and harvests of sandhill cranes: Mid-continent, Rocky Mountain, Lower Colorado River Valley and Eastern populations" (Kruse and Dubovsky 2015).

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Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Connecticut		Delaware		Florida	
	2013	2014	2013	2014	2013	2014
Mallard	6,754	5,316	10,840	11,990	1,164	464
Domestic Mallard	71	41	0	88	129	116
Black Duck	1,884	1,785	4,635	3,763	0	116
Mallard x Black Hybrid	249	81	374	88	259	0
Mottled Duck	0	0	0	0	9,050	6,378
Gadwall	355	122	2,916	2,451	646	3,479
Wigeon	249	41	748	263	4,137	3,595
Green-winged Teal	747	365	8,822	4,026	9,179	7,074
Blue-winged/Cinnamon Teal	36	0	299	0	50,422	39,083
Northern Shoveler	36	0	1,719	2,188	6,981	11,597
Northern Pintail	107	81	748	875	517	2,551
Wood Duck	2,204	1,380	4,411	4,814	5,042	13,221
Redhead	0	0	449	0	11,765	7,654
Canvasback	36	0	224	0	776	1,044
Greater Scaup	498	446	374	350	1,034	232
Lesser Scaup	142	41	598	88	8,145	18,208
Ring-necked Duck	142	0	374	263	83,002	64,945
Goldeneyes	71	41	0	0	129	232
Bufflehead	249	243	1,869	0	2,456	2,088
Ruddy Duck	249	0	75	0	4,913	4,639
Long-tailed Duck	4,521	2,751	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	36	196	0	672	1,551	0
Hooded Merganser	284	284	1,794	525	776	232
Other Mergansers	284	284	75	0	388	116
Other Ducks	0	0	0	0	10,214	4,755
Total Duck Harvest	19,200±41%	13,500±24%	41,300±12%	32,400±10%	212,700±28%	191,800±17%
Total Active Duck Hunters^a	1,600±25%	1,400±24%	3,500±5%	3,100±5%	14,400±21%	13,600±18%
Total Duck Hunter Days Afield^a	11,600±42%	9,100±24%	23,400±9%	21,500±9%	93,100±29%	75,200±15%
Seasonal Duck Harvest Per Hunter^a	9.3±48%	7.7±34%	11.7±13%	10.4±12%	14.8±35%	14.1±25%
Goose Species Composition						
Canada Goose	8,648	11,439	17,894	17,807	1,695	5,743
Snow Goose	0	0	8,947	1,242	0	0
Blue Goose	0	0	286	0	0	0
Ross' Goose	0	53	0	0	0	0
White-fronted Goose	0	0	0	0	0	0
Brant	0	248	239	12	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	8,600±39%	11,700±56%	27,400±13%	19,100±16%	1,700±158%	5,700±77%
Total Active Goose Hunters^b	1,600±26%	1,400±25%	3,500±6%	2,900±6%	900±87%	1,800±47%
Total Goose Hunter Days Afield^b	8,200±38%	8,500±32%	22,300±10%	18,500±10%	1,700±94%	6,400±60%
Seasonal Goose Harvest Per Hunter^b	5.5±47%	8.3±62%	7.7±14%	6.5±17%	1.8±180%	6.5±17%
Active Waterfowl Hunters^c	2,300±21%	2,100±18%	4,500±5%	3,800±5%	14,400±21%	13,600±18%
Sample Sizes						
DuckWings	426	275	553	364	1,645	1,654
GooseTails	315	222	286	139	1	1

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Georgia		Maine		Maryland	
	2013	2014	2013	2014	2013	2014
Mallard	14,116	6,907	10,221	9,150	35,093	30,618
Domestic Mallard	291	0	67	0	792	657
Black Duck	146	0	3,474	2,288	9,499	4,597
Mallard x Black Hybrid	146	0	267	0	792	493
Mottled Duck	291	294	0	0	0	0
Gadwall	9,459	4,115	134	127	7,652	8,127
Wigeon	582	294	200	127	2,507	1,970
Green-winged Teal	9,459	11,022	4,609	1,525	6,596	5,418
Blue-winged/Cinnamon Teal	9,605	6,172	1,202	508	396	164
Northern Shoveler	291	1,176	0	0	2,639	1,313
Northern Pintail	437	441	267	381	1,187	2,463
Wood Duck	60,247	72,596	6,547	3,241	14,776	12,477
Redhead	2,619	1,910	0	0	132	903
Canvasback	728	1,470	0	0	4,617	1,149
Greater Scaup	0	147	67	0	5,673	493
Lesser Scaup	582	1,910	67	64	8,311	1,231
Ring-necked Duck	8,149	12,491	1,202	635	923	903
Goldeneyes	0	0	668	508	132	246
Bufflehead	873	588	601	445	13,984	6,649
Ruddy Duck	437	2,792	0	0	792	493
Long-tailed Duck	0	0	215	134	1,244	3,227
Eiders	0	0	3,115	1,006	0	0
Scoters	0	0	1,718	939	12,857	10,491
Hooded Merganser	3,638	3,380	1,069	254	2,243	985
Other Mergansers	0	147	267	254	923	739
Other Ducks	0	0	0	0	0	0
Total Duck Harvest	122,100±33%	127,900±15%	36,000±31%	21,600±24%	133,800±15%	95,800±14%
Total Active Duck Hunters ^a	17,800±32%	16,300±16%	4,400±16%	4,100±17%	15,400±10%	13,200±9%
Total Duck Hunter Days Afield ^a	95,200±34%	84,800±15%	28,900±31%	18,100±18%	75,100±15%	58,000±11%
Seasonal Duck Harvest Per Hunter ^a	6.9±46%	7.9±22%	7.0±35%	4.8±29%	7.8±18%	6.2±17%
Goose Species Composition						
Canada Goose	32,157	51,768	8,759	8,943	152,535	113,968
Snow Goose	0	404	43	0	10,176	5,909
Blue Goose	0	0	0	0	217	94
Ross' Goose	0	0	0	0	0	0
White-fronted Goose	0	0	0	0	0	94
Brant	0	0	0	0	116	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	32,200±83%	52,200±26%	8,800±41%	8,900±32%	163,000±14%	120,100±11%
Total Active Goose Hunters ^b	8,300±51%	15,300±17%	3,000±21%	3,200±19%	21,800±8%	19,800±7%
Total Goose Hunter Days Afield ^b	28,000±59%	72,100±26%	14,000±50%	12,300±27%	130,000±13%	99,800±9%
Seasonal Goose Harvest Per Hunter ^b	3.9±97%	3.4±31%	2.9±46%	2.8±37%	7.5±16%	6.1±13%
Active Waterfowl Hunters ^c	18,000±32%	16,500±15%	5,500±15%	5,100±15%	28,900±6%	25,600±6%
Sample Sizes						
DuckWings	839	870	510	338	941	1,086
GooseTails	163	129	205	150	1,506	1,281

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Massachusetts		New Hampshire		New Jersey	
	2013	2014	2013	2014	2013	2014
Mallard	4,994	5,501	5,780	3,860	15,480	10,037
Domestic Mallard	0	0	75	0	78	109
Black Duck	2,669	2,523	2,177	744	12,196	8,019
Mallard x Black Hybrid	132	0	150	47	1,407	109
Mottled Duck	0	0	0	0	0	0
Gadwall	106	41	0	0	2,971	4,255
Wigeon	159	41	0	0	625	1,091
Green-winged Teal	476	703	1,126	698	5,863	4,310
Blue-winged/Cinnamon Teal	53	0	150	0	235	109
Northern Shoveler	0	0	0	0	469	218
Northern Pintail	26	124	75	0	469	1,200
Wood Duck	2,563	2,358	6,681	5,674	5,942	4,746
Redhead	0	83	0	0	0	0
Canvasback	0	0	0	0	0	0
Greater Scaup	159	124	0	0	938	709
Lesser Scaup	79	124	75	0	1,329	491
Ring-necked Duck	26	124	75	0	391	55
Goldeneyes	106	165	75	93	0	273
Bufflehead	1,004	2,151	375	326	15,870	10,365
Ruddy Duck	26	0	0	0	313	382
Long-tailed Duck	175	525	200	0	1,988	711
Eiders	3,543	3,570	200	1,474	0	237
Scoters	131	1,260	1,333	0	3,267	3,318
Hooded Merganser	370	662	450	372	1,564	1,255
Other Mergansers	555	827	75	47	1,564	546
Other Ducks	0	0	0	0	0	0
Total Duck Harvest	17,400±20%	20,900±26%	19,100±23%	13,300±25%	73,000±18%	52,500±27%
Total Active Duck Hunters^a	3,300±20%	2,200±24%	3,000±19%	2,100±17%	7,400±11%	5,600±15%
Total Duck Hunter Days Afield^a	18,200±27%	12,300±20%	21,700±41%	12,300±26%	48,800±15%	35,000±24%
Seasonal Duck Harvest Per Hunter^a	4.1±28%	7.0±36%	5.8±29%	5.6±30%	9.2±21%	8.6±31%
Goose Species Composition						
Canada Goose	7,107	7,504	6,022	5,829	51,666	29,703
Snow Goose	15	0	0	0	1,265	1,763
Blue Goose	0	0	0	0	0	0
Ross' Goose	0	0	0	0	0	0
White-fronted Goose	0	0	0	0	0	0
Brant	131	533	0	21	4,611	1,545
Other Geese	0	0	70	0	0	0
Total Goose Harvest	7,300±28%	8,000±42%	6,100±27%	5,900±26%	57,500±35%	33,000±36%
Total Active Goose Hunters^b	2,400±22%	1,900±27%	2,100±22%	1,600±20%	6,500±12%	4,000±19%
Total Goose Hunter Days Afield^b	10,200±29%	9,900±34%	11,500±23%	9,500±23%	35,000±20%	16,800±24%
Seasonal Goose Harvest Per Hunter^b	3.0±36%	3.9±49%	2.8±35%	3.5±32%	8.2±37%	7.9±40%
Active Waterfowl Hunters^c	4,400±16%	3,400±21%	3,600±18%	2,500±17%	10,200±9%	6,800±12%
Sample Sizes						
DuckWings	599	478	257	256	903	903
GooseTails	486	211	88	92	332	254

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	New York		North Carolina		Pennsylvania	
	2013	2014	2013	2014	2013	2014
Mallard	91,543	78,181	24,439	34,163	38,476	28,741
Domestic Mallard	440	205	0	985	297	363
Black Duck	18,203	16,271	2,125	3,778	6,842	3,992
Mallard x Black Hybrid	1,407	819	213	328	892	145
Mottled Duck	0	0	0	0	0	0
Gadwall	4,397	2,558	20,401	30,057	3,570	1,379
Wigeon	5,364	3,991	16,151	22,830	397	363
Green-winged Teal	10,728	10,131	22,101	39,255	5,851	2,540
Blue-winged/Cinnamon Teal	1,671	2,354	5,738	7,063	397	435
Northern Shoveler	1,231	1,126	6,588	14,125	0	363
Northern Pintail	4,485	3,070	8,500	4,435	99	435
Wood Duck	22,600	20,364	77,354	117,436	22,511	19,015
Redhead	6,947	3,786	10,413	8,541	397	871
Canvasback	176	307	2,338	328	99	0
Greater Scaup	5,364	2,047	2,338	1,642	3,173	944
Lesser Scaup	3,605	1,740	28,689	21,516	1,983	1,669
Ring-necked Duck	2,990	2,558	14,663	16,260	793	2,032
Goldeneyes	8,178	3,479	0	493	1,190	290
Bufflehead	10,025	10,540	11,688	17,903	3,570	5,371
Ruddy Duck	352	102	3,188	6,077	496	581
Long-tailed Duck	6,753	3,487	213	0	99	218
Eiders	357	6,539	0	0	0	0
Scoters	9,274	2,123	5,738	1,971	297	73
Hooded Merganser	2,286	3,479	15,088	9,526	2,677	2,105
Other Mergansers	4,221	3,684	1,700	328	3,471	871
Other Ducks	0	0	0	0	99	0
Total Duck Harvest	222,600±20%	182,900±13%	279,700±17%	359,000±15%	97,700±22%	72,800±27%
Total Active Duck Hunters^a	20,500±10%	20,700±9%	26,400±17%	33,700±17%	20,200±21%	17,300±20%
Total Duck Hunter Days Afield^a	117,400±13%	120,900±14%	165,000±17%	191,100±16%	98,500±22%	71,700±21%
Seasonal Duck Harvest Per Hunter^a	10.2±22%	8.3±15%	10.6±24%	10.7±22%	4.8±30%	4.2±34%
Goose Species Composition						
Canada Goose	136,230	138,297	55,906	37,267	103,934	106,885
Snow Goose	3,525	1,835	0	5,575	5,103	2,287
Blue Goose	476	0	0	587	249	0
Ross' Goose	0	0	0	0	0	0
White-fronted Goose	0	0	0	0	124	0
Brant	4,474	3,194	874	1,300	0	0
Other Geese	0	432	0	0	0	0
Total Goose Harvest	144,700±21%	143,800±14%	56,800±44%	44,700±38%	109,400±26%	109,200±34%
Total Active Goose Hunters^b	17,400±10%	17,000±8%	14,000±27%	16,000±24%	21,800±17%	20,900±17%
Total Goose Hunter Days Afield^b	101,300±16%	89,800±11%	56,600±36%	50,600±27%	114,200±20%	102,300±26%
Seasonal Goose Harvest Per Hunter^b	8.1±23%	8.3±16%	4.0±52%	2.7±45%	5.0±31%	5.2±38%
Active Waterfowl Hunters^c	26,200±8%	25,700±7%	27,700±17%	34,800±16%	36,000±16%	26,900±17%
Sample Sizes						
DuckWings	2,415	1,742	1,316	2,186	985	1,003
GooseTails	1,524	1,360	63	150	879	716

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Rhode Island		South Carolina		Vermont	
	2013	2014	2013	2014	2013	2014
Mallard	1,477	517	18,052	18,107	12,659	8,268
Domestic Mallard	0	0	792	179	0	0
Black Duck	1,403	455	792	717	2,640	1,108
Mallard x Black Hybrid	49	9	0	179	60	128
Mottled Duck	0	0	792	896	0	0
Gadwall	443	214	9,659	16,135	120	0
Wigeon	246	116	1,584	1,972	60	43
Green-winged Teal	98	18	14,885	20,975	4,200	1,492
Blue-winged/Cinnamon Teal	0	0	3,484	5,378	720	43
Northern Shoveler	0	9	6,334	6,633	60	0
Northern Pintail	25	9	2,534	896	60	170
Wood Duck	320	89	72,050	98,961	5,040	3,452
Redhead	0	0	950	1,613	0	0
Canvasback	0	0	158	538	0	0
Greater Scaup	1,256	357	317	179	240	85
Lesser Scaup	369	53	3,800	5,558	660	426
Ring-necked Duck	49	0	17,102	12,370	720	213
Goldeneyes	468	205	0	0	3,240	1,534
Bufflehead	960	695	1,108	2,689	360	128
Ruddy Duck	0	0	2,217	1,255	0	0
Long-tailed Duck	20	0	0	0	0	0
Eiders	563	646	0	0	0	0
Scoters	261	174	0	0	300	0
Hooded Merganser	542	241	4,276	5,199	360	341
Other Mergansers	1,059	374	158	0	420	384
Other Ducks	0	0	317	179	0	0
Total Duck Harvest	9,600±42%	4,200±30%	161,400±42%	200,600±20%	31,900±22%	17,800±20%
Total Active Duck Hunters ^a	900±14%	400±19%	16,700±22%	20,200±17%	4,000±16%	2,600±16%
Total Duck Hunter Days Afield ^a	6,600±23%	2,700±20%	121,400±41%	116,000±19%	22,400±22%	13,200±15%
Seasonal Duck Harvest Per Hunter ^a	9.5±44%	8.2±36%	9.6±47%	9.9±27%	8.0±27%	6.8±25%
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Goose Species Composition						
Canada Goose	4,715	5,512	17,170	35,812	9,591	12,322
Snow Goose	45	0	0	0	0	46
Blue Goose	0	0	0	796	0	0
Ross' Goose	0	0	0	0	0	0
White-fronted Goose	0	0	0	0	0	0
Brant	224	84	0	0	40	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	5,000±55%	5,600±60%	17,200±60%	36,600±45%	9,600±31%	12,400±43%
Total Active Goose Hunters ^b	800±18%	400±20%	5,500±38%	11,000±23%	2,600±19%	2,000±18%
Total Goose Hunter Days Afield ^b	4,900±23%	3,900±40%	38,700±79%	42,500±36%	12,500±27%	9,500±24%
Seasonal Goose Harvest Per Hunter ^b	6.2±58%	12.4±63%	3.1±71%	3.3±51%	3.7±36%	6.2±47%
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Active Waterfowl Hunters ^c	1,100±12%	700±15%	17,100±22%	20,600±17%	4,600±15%	3,000±14%
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Sample Sizes						
DuckWings	398	462	1,019	1,119	532	418
GooseTails	124	286	50	46	240	270

Table 1A. Preliminary estimates of waterfowl harvest and hunter activity in the Atlantic Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Virginia		West Virginia		Flyway Total	
	2013	2014	2013	2014	2013	2014
Mallard	33,191	41,274	3,750	968	328,029	294,063
Domestic Mallard	108	216	68	0	3,208	2,958
Black Duck	5,946	6,267	473	89	75,104	56,511
Mallard x Black Hybrid	432	324	135	13	6,964	2,762
Mottled Duck	0	0	0	0	10,133	7,569
Gadwall	16,974	16,747	304	229	80,107	90,036
Wigeon	1,946	2,269	68	89	35,022	39,094
Green-winged Teal	8,000	5,726	372	25	113,113	115,303
Blue-winged/Cinnamon Teal	1,189	1,297	68	13	75,663	62,618
Northern Shoveler	1,514	756	0	0	27,862	39,505
Northern Pintail	1,730	540	101	13	21,367	17,685
Wood Duck	17,190	23,878	946	255	326,423	403,956
Redhead	2,162	1,945	68	13	35,902	27,319
Canvasback	3,892	756	68	38	13,111	5,630
Greater Scaup	1,730	1,945	68	0	23,227	9,700
Lesser Scaup	1,946	1,945	34	13	60,416	55,076
Ring-necked Duck	12,865	4,970	34	13	143,503	117,832
Goldeneyes	432	324	0	0	14,689	7,884
Bufflehead	19,893	18,260	68	13	84,955	78,452
Ruddy Duck	1,297	1,080	0	0	14,353	17,401
Long-tailed Duck	874	0	0	0	16,302	11,053
Eiders	0	0	0	0	7,778	13,473
Scoters	2,184	9,258	0	0	38,947	30,475
Hooded Merganser	3,892	1,513	101	25	41,411	30,378
Other Mergansers	649	972	101	0	15,910	9,573
Other Ducks	0	108	0	0	10,630	5,042
Total Duck Harvest	140,000±20%	142,400±17%	6,800±55%	1,800±78%	1,624,100±8%	1,551,300±6%
Total Active Duck Hunters^a	14,400±18%	16,900±14%	800±28%	200±45%	174,700	173,600
Total Duck Hunter Days Afield^a	83,800±20%	80,800±14%	5,200±49%	1,400±51%	1,036,100±8%	924,200±5%
Seasonal Duck Harvest Per Hunter^a	9.5±27%	7.9±22%	8.1±62%	8.0±90%		
Goose Species Composition						
Canada Goose	57,812	45,271	4,885	2,450	676,726	636,520
Snow Goose	136	1,017	0	0	29,255	20,080
Blue Goose	0	127	0	0	1,227	1,604
Ross' Goose	0	0	0	0	0	53
White-fronted Goose	0	0	0	0	124	94
Brant	1,214	338	0	0	11,922	7,276
Other Geese	0	0	0	0	70	432
Total Goose Harvest	59,200±24%	46,800±20%	4,900±52%	2,400±97%	719,300±9%	666,100±8%
Total Active Goose Hunters^b	13,500±17%	12,200±16%	800±29%	300±45%	126,500	131,700
Total Goose Hunter Days Afield^b	58,900±21%	57,900±26%	3,700±41%	1,700±55%	651,700±8%	611,900±7%
Seasonal Goose Harvest Per Hunter^b	4.3±29%	3.8±25%	6.1±59%	8.1±107%		
Active Waterfowl Hunters^c	19,700±15%	21,400±12%	900±27%	300±43%	224,900	212,700
Sample Sizes						
DuckWings	1,295	1,264	202	142	14,835	14,560
GooseTails	428	366	161	156	6,851	5,829

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Alabama		Arkansas		Illinois	
	2013	2014	2013	2014	2013	2014
Mallard	22,040	8,545	422,951	530,131	177,474	192,265
Domestic Mallard	212	0	260	0	0	0
Black Duck	212	0	260	0	476	1,165
Mallard x Black Hybrid	0	0	0	0	952	874
Mottled Duck	0	0	0	335	0	0
Gadwall	44,292	36,486	184,343	199,512	37,588	36,414
Wigeon	2,755	1,899	12,463	13,748	4,758	3,787
Green-winged Teal	13,139	8,952	123,328	226,001	32,830	41,658
Blue-winged/Cinnamon Teal	15,470	9,630	4,673	25,819	17,129	25,927
Northern Shoveler	4,238	2,035	70,881	84,499	23,790	15,731
Northern Pintail	1,060	0	31,157	29,843	8,564	8,448
Wood Duck	62,942	23,465	50,889	65,051	58,999	38,453
Redhead	5,722	2,170	5,452	4,694	2,855	6,991
Canvasback	5,934	3,120	3,895	1,341	4,282	4,078
Greater Scaup	212	678	1,039	335	476	291
Lesser Scaup	1,695	2,848	1,558	8,048	3,331	6,700
Ring-necked Duck	9,749	9,088	13,242	30,849	11,419	12,526
Goldeneyes	636	0	0	0	2,379	6,409
Bufflehead	2,119	1,899	1,298	1,341	3,806	3,204
Ruddy Duck	212	543	0	4,694	0	874
Long-tailed Duck	0	0	260	0	0	0
Eiders	0	0	0	0	0	0
Scoters	212	136	260	0	0	583
Hooded Merganser	2,331	2,170	5,193	4,359	3,806	1,748
Other Mergansers	0	0	0	0	1,903	1,748
Other Ducks	0	0	260	671	0	0
Total Duck Harvest	195,200±25%	113,700±25%	933,700±17%	1,231,300±14%	396,800±18%	409,900±23%
Total Active Duck Hunters^a	17,000±19%	11,400±22%	44,900±11%	58,800±9%	28,500±12%	29,700±11%
Total Duck Hunter Days Afield^a	98,900±32%	64,300±26%	305,200±15%	429,100±13%	248,600±17%	264,200±16%
Seasonal Duck Harvest Per Hunter^a	11.5±31%	10.0±34%	20.8±20%	20.9±16%	13.9±22%	13.8±26%
Goose Species Composition						
Canada Goose	30,927	26,640	13,552	9,055	111,185	105,998
Snow Goose	0	0	63,243	21,991	950	4,920
Blue Goose	0	0	31,621	25,872	475	1,789
Ross' Goose	0	0	3,614	7,762	0	0
White-fronted Goose	0	0	72,278	71,149	5,227	8,050
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	30,900±96%	26,600±148%	184,300±54%	135,800±40%	117,800±23%	120,800±28%
Total Active Goose Hunters^b	6,000±34%	3,500±44%	14,100±20%	18,900±12%	23,100±15%	22,200±13%
Total Goose Hunter Days Afield^b	30,100±54%	16,600±74%	73,100±26%	101,300±20%	173,100±21%	168,700±17%
Seasonal Goose Harvest Per Hunter^b	5.1±102%	7.5±155%	13.1±58%	7.2±42%	5.1±27%	5.4±31%
Active Waterfowl Hunters^c	17,300±19%	11,400±22%	45,700±11%	59,400±8%	34,100±11%	35,000±10%
Sample Sizes						
DuckWings	921	838	3,596	3,672	834	1,407
GooseTails	21	9	204	105	248	270

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Indiana		Iowa		Kentucky	
	2013	2014	2013	2014	2013	2014
Mallard	63,029	46,515	66,628	59,968	71,651	57,649
Domestic Mallard	275	129	0	0	0	294
Black Duck	2,334	773	0	0	4,869	2,059
Mallard x Black Hybrid	412	0	0	0	1,391	588
Mottled Duck	0	0	0	0	0	0
Gadwall	6,042	4,768	13,817	7,160	10,435	9,412
Wigeon	1,099	773	3,685	2,238	696	1,471
Green-winged Teal	6,591	2,835	19,344	17,453	2,783	4,412
Blue-winged/Cinnamon Teal	3,433	7,989	42,679	56,612	696	3,235
Northern Shoveler	1,785	1,289	5,527	2,685	1,391	1,471
Northern Pintail	1,099	1,289	4,606	1,566	696	2,059
Wood Duck	10,024	8,118	35,924	16,111	8,348	5,588
Redhead	961	773	3,070	2,238	696	1,471
Canvasback	549	258	921	1,119	0	294
Greater Scaup	137	258	0	224	3,478	588
Lesser Scaup	0	773	1,535	1,119	6,956	2,647
Ring-necked Duck	961	2,190	2,456	2,909	696	6,177
Goldeneyes	137	387	0	0	4,174	294
Bufflehead	824	1,289	921	2,461	696	0
Ruddy Duck	275	129	0	0	0	294
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	412	773	1,228	0	5,565	1,177
Other Mergansers	0	129	0	224	0	0
Other Ducks	0	129	0	0	0	0
Total Duck Harvest	100,400±17%	81,600±17%	202,300±26%	174,100±24%	125,200±53%	101,200±72%
Total Active Duck Hunters^a	9,000±13%	8,900±11%	14,400±18%	13,900±16%	10,700±37%	6,100±48%
Total Duck Hunter Days Afield^a	71,200±15%	63,100±14%	128,500±30%	96,600±17%	68,500±53%	53,500±56%
Seasonal Duck Harvest Per Hunter^a	11.1±21%	9.1±20%	14.1±32%	12.5±29%	11.7±64%	16.6±86%
Goose Species Composition						
Canada Goose	54,936	44,678	73,742	47,348	40,860	12,855
Snow Goose	0	0	0	1,691	0	429
Blue Goose	0	0	0	845	0	214
Ross' Goose	0	0	0	0	0	643
White-fronted Goose	0	0	0	0	0	3,000
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	54,900±20%	44,700±21%	73,700±35%	49,900±30%	40,900±71%	17,100±76%
Total Active Goose Hunters^b	9,600±11%	8,000±12%	11,200±23%	13,600±17%	9,100±37%	5,500±48%
Total Goose Hunter Days Afield^b	68,000±15%	49,900±16%	99,100±35%	87,100±23%	84,200±63%	40,200±59%
Seasonal Goose Harvest Per Hunter^b	5.7±23%	5.6±24%	6.6±42%	3.7±35%	4.5±80%	3.1±90%
Active Waterfowl Hunters^c	10,200±12%	10,300±11%	15,900±18%	15,500±16%	11,600±35%	7,000±49%
Sample Sizes						
DuckWings	731	633	659	778	180	344
GooseTails	188	161	141	59	19	80

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Louisiana		Michigan		Minnesota	
	2013	2014	2013	2014	2013	2014
Mallard	130,935	126,396	114,844	142,493	166,366	161,859
Domestic Mallard	0	0	185	0	0	0
Black Duck	775	276	8,150	4,560	0	1,465
Mallard x Black Hybrid	387	0	556	285	0	0
Mottled Duck	35,639	28,701	0	0	0	0
Gadwall	484,615	468,050	6,483	8,835	15,254	12,451
Wigeon	36,801	27,321	3,890	4,845	4,767	7,690
Green-winged Teal	431,157	372,564	17,968	21,659	33,368	31,859
Blue-winged/Cinnamon Teal	633,758	353,522	3,705	5,700	115,360	82,028
Northern Shoveler	146,431	112,597	2,223	2,280	15,731	13,549
Northern Pintail	66,630	34,497	7,409	4,275	8,104	2,563
Wood Duck	158,439	114,253	28,341	37,333	149,681	114,620
Redhead	46,486	19,318	17,968	29,924	19,544	25,268
Canvasback	36,801	15,179	2,408	1,710	8,104	6,592
Greater Scaup	1,162	3,312	8,335	8,265	3,814	366
Lesser Scaup	20,919	94,383	11,855	8,550	10,011	2,563
Ring-necked Duck	134,034	75,617	6,113	9,690	31,938	67,014
Goldeneyes	775	552	7,409	12,539	1,430	1,099
Bufflehead	3,099	1,380	34,268	20,804	14,777	15,014
Ruddy Duck	1,162	4,416	1,297	4,560	0	2,197
Long-tailed Duck	387	0	3,519	855	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	1,297	2,565	0	0
Hooded Merganser	9,685	7,175	3,149	5,130	9,057	20,873
Other Mergansers	2,324	828	4,816	4,560	0	1,465
Other Ducks	8,135	1,104	0	0	477	732
Total Duck Harvest	2,390,500±21%	1,861,400±12%	296,200±26%	341,400±15%	607,800±14%	571,300±12%
Total Active Duck Hunters^a	77,600±14%	77,200±6%	31,800±15%	32,800±12%	52,200±11%	65,300±9%
Total Duck Hunter Days Afield^a	766,200±19%	561,000±11%	197,300±22%	212,300±13%	312,100±12%	349,400±11%
Seasonal Duck Harvest Per Hunter^a	30.8±25%	24.1±14%	9.3±30%	10.4±19%	11.6±18%	8.7±15%
Goose Species Composition						
Canada Goose	0	245	148,002	140,669	191,577	148,496
Snow Goose	8,389	5,640	244	0	0	0
Blue Goose	5,942	8,338	0	0	0	0
Ross' Goose	1,049	490	0	0	0	412
White-fronted Goose	20,973	20,354	0	275	0	0
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	36,400±50%	35,100±31%	148,200±35%	140,900±16%	191,600±19%	148,900±15%
Total Active Goose Hunters^b	7,200±45%	7,500±25%	26,400±18%	34,600±12%	42,400±14%	44,800±10%
Total Goose Hunter Days Afield^b	60,200±67%	28,000±32%	159,900±25%	199,100±15%	239,500±19%	219,300±13%
Seasonal Goose Harvest Per Hunter^b	5.0±68%	4.7±40%	5.6±39%	4.1±20%	4.5±24%	3.3±18%
Active Waterfowl Hunters^c	77,600±14%	77,900±6%	37,500±14%	40,100±12%	58,600±11%	70,500±9%
Sample Sizes						
DuckWings	6,171	6,745	1,599	1,198	1,275	1,560
GooseTails	104	143	608	513	264	361

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Mississippi		Missouri		Ohio	
	2013	2014	2013	2014	2013	2014
Mallard	91,048	107,659	200,700	255,007	104,630	70,938
Domestic Mallard	0	0	0	0	345	257
Black Duck	245	0	0	0	5,525	2,827
Mallard x Black Hybrid	0	0	290	0	1,381	0
Mottled Duck	736	263	0	0	0	0
Gadwall	61,844	68,439	67,769	34,359	9,323	3,598
Wigeon	5,890	4,475	7,240	6,084	2,072	1,028
Green-winged Teal	34,848	55,804	65,162	70,328	16,575	10,538
Blue-winged/Cinnamon Teal	11,289	4,212	39,677	37,580	6,906	4,369
Northern Shoveler	31,658	26,849	24,617	19,327	5,870	2,313
Northern Pintail	3,190	9,476	11,005	10,558	5,525	4,626
Wood Duck	50,555	39,484	13,612	25,232	19,683	12,594
Redhead	491	790	2,027	5,548	3,108	1,028
Canvasback	1,472	526	290	1,074	345	0
Greater Scaup	0	0	290	179	2,072	771
Lesser Scaup	982	263	5,503	2,326	7,597	4,112
Ring-necked Duck	4,908	6,581	6,371	7,337	2,417	514
Goldeneyes	0	526	0	716	1,036	3,341
Bufflehead	245	0	290	895	3,798	7,968
Ruddy Duck	0	0	579	358	2,763	1,028
Long-tailed Duck	0	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	0	0	0	514
Hooded Merganser	1,472	1,843	1,158	2,147	1,036	1,799
Other Mergansers	0	0	0	895	691	514
Other Ducks	0	263	0	179	0	0
Total Duck Harvest	300,900±17%	327,500±36%	446,600±23%	480,100±27%	202,700±18%	134,700±35%
Total Active Duck Hunters ^a	15,100±16%	15,800±16%	25,500±14%	32,700±13%	22,400±19%	13,800±19%
Total Duck Hunter Days Afield ^a	96,300±15%	99,800±24%	193,700±22%	224,900±17%	165,800±19%	133,700±31%
Seasonal Duck Harvest Per Hunter ^a	19.9±23%	20.7±39%	17.5±27%	14.7±30%	9.1±26%	9.8±40%
Goose Species Composition						
Canada Goose	7,181	15,084	35,094	45,690	128,515	79,648
Snow Goose	3,590	4,114	9,172	2,932	0	0
Blue Goose	0	2,742	7,976	2,199	0	0
Ross' Goose	0	1,371	1,595	244	0	0
White-fronted Goose	22,440	2,742	798	1,955	0	0
Brant	0	0	0	0	0	0
Other Geese	0	0	0	244	0	0
Total Goose Harvest	33,200±60%	26,100±54%	54,600±29%	53,300±28%	128,500±18%	79,600±25%
Total Active Goose Hunters ^b	4,800±32%	5,700±24%	11,400±19%	11,900±18%	23,500±18%	15,600±17%
Total Goose Hunter Days Afield ^b	23,500±38%	41,300±42%	58,800±30%	66,400±26%	160,300±23%	131,900±22%
Seasonal Goose Harvest Per Hunter ^b	6.9±68%	4.6±59%	4.8±35%	4.5±33%	5.5±25%	5.1±30%
Active Waterfowl Hunters ^c	15,100±16%	15,800±16%	27,400±13%	34,500±12%	26,400±18%	17,400±17%
Sample Sizes						
DuckWings	1,226	1,244	1,542	2,683	587	524
GooseTails	37	19	137	218	337	267

Table 1B. Preliminary estimates of waterfowl harvest and hunter activity in the Mississippi Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Tennessee		Wisconsin		Flyway Total	
	2013	2014	2013	2014	2013	2014
Mallard	94,094	106,074	110,610	127,385	1,837,000	1,992,886
Domestic Mallard	0	0	0	0	1,277	680
Black Duck	1,045	617	1,058	2,143	24,951	15,885
Mallard x Black Hybrid	0	0	265	0	5,633	1,747
Mottled Duck	0	0	0	0	36,375	29,300
Gadwall	49,138	45,020	18,523	12,861	1,009,467	947,364
Wigeon	3,136	4,317	6,351	4,899	95,602	84,575
Green-winged Teal	27,183	19,735	24,080	27,865	848,357	911,663
Blue-winged/Cinnamon Teal	2,091	4,317	46,043	27,865	942,908	648,805
Northern Shoveler	16,728	4,317	4,498	5,206	355,369	294,147
Northern Pintail	2,091	1,850	3,969	4,593	155,104	115,644
Wood Duck	23,001	25,902	104,524	76,247	774,961	602,451
Redhead	1,045	0	12,172	22,660	121,598	122,872
Canvasback	1,045	0	10,055	8,268	76,103	43,558
Greater Scaup	0	0	28,049	22,660	49,064	37,927
Lesser Scaup	0	1,233	25,932	20,516	97,873	156,083
Ring-necked Duck	6,273	3,700	10,320	16,536	240,898	250,727
Goldeneyes	2,091	617	9,526	6,430	29,593	32,910
Bufflehead	0	0	22,228	14,392	88,370	70,647
Ruddy Duck	0	0	2,646	1,837	8,933	20,930
Long-tailed Duck	0	0	8,732	919	12,899	1,774
Eiders	0	0	0	0	0	0
Scoters	0	0	1,323	5,512	3,091	9,309
Hooded Merganser	0	2,467	1,323	3,062	45,416	54,723
Other Mergansers	0	0	3,440	2,450	13,174	12,811
Other Ducks	0	0	0	306	8,871	3,384
Total Duck Harvest	229,000±56%	220,200±34%	455,700±16%	414,600±11%	6,882,900±8%	6,462,800±6%
Total Active Duck Hunters ^a	9,600±35%	12,800±26%	53,100±15%	53,900±11%	411,600	433,100
Total Duck Hunter Days Afield ^a	84,500±48%	113,800±37%	370,500±19%	316,000±11%	3,107,200±7%	2,981,900±5%
Seasonal Duck Harvest Per Hunter ^a	23.9±66%	17.2±43%	8.6±22%	7.7±16%		
Goose Species Composition						
Canada Goose	11,966	14,429	85,831	90,438	933,368	781,274
Snow Goose	499	2,886	0	0	86,087	44,602
Blue Goose	997	0	256	0	47,268	42,000
Ross' Goose	0	5,771	0	0	6,258	16,694
White-fronted Goose	499	2,886	256	0	122,469	110,410
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	244
Total Goose Harvest	14,000±52%	26,000±59%	86,300±22%	90,400±15%	1,195,500±12%	995,200±9%
Total Active Goose Hunters ^b	4,600±49%	8,500±31%	30,000±16%	39,700±10%	223,400	240,100
Total Goose Hunter Days Afield ^b	47,200±64%	49,300±44%	220,500±20%	220,600±14%	1,497,500±8%	1,419,800±6%
Seasonal Goose Harvest Per Hunter ^b	3.0±72%	3.0±67%	2.9±27%	2.3±18%		
Active Waterfowl Hunters ^c	9,600±35%	13,000±26%	58,300±14%	64,300±11%	445,400	472,200
Sample Sizes						
DuckWings	219	357	1,722	1,354	21,262	23,337
GooseTails	28	9	337	224	2,673	2,438

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Colorado		Kansas		Nebraska	
	2013	2014	2013	2014	2013	2014
Mallard	44,511	63,700	94,432	114,417	82,415	75,797
Domestic Mallard	0	0	0	0	0	0
Black Duck	0	0	0	0	0	0
Mallard x Black Hybrid	0	0	0	0	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	16,514	6,471	34,188	13,648	15,257	5,254
Wigeon	10,936	4,889	9,460	4,975	8,737	3,697
Green-winged Teal	13,889	7,909	35,184	24,873	28,037	15,179
Blue-winged/Cinnamon Teal	11,921	10,065	48,627	47,961	35,340	40,477
Northern Shoveler	11,593	1,150	12,945	4,592	6,259	1,751
Northern Pintail	3,390	1,438	12,115	4,847	3,782	2,530
Wood Duck	1,312	2,013	2,655	1,531	2,608	3,211
Redhead	2,625	2,732	7,468	4,975	3,130	2,043
Canvasback	109	288	1,494	1,148	0	389
Greater Scaup	109	0	166	0	261	97
Lesser Scaup	1,422	575	996	1,148	1,174	0
Ring-necked Duck	2,734	1,150	4,149	2,679	1,304	487
Goldeneyes	1,859	575	664	638	782	292
Bufflehead	547	575	498	0	652	0
Ruddy Duck	219	288	498	128	130	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	109	144	332	765	391	97
Other Mergansers	437	863	0	0	130	97
Other Ducks	109	0	0	0	0	97
Total Duck Harvest	124,300±18%	104,800±17%	265,900±23%	228,300±21%	190,400±17%	151,500±12%
Total Active Duck Hunters ^a	11,900±14%	13,000±14%	16,800±16%	17,700±16%	13,000±15%	12,000±14%
Total Duck Hunter Days Afield ^a	77,100±19%	67,500±22%	105,300±19%	101,800±21%	101,200±16%	81,900±10%
Seasonal Duck Harvest Per Hunter ^a	10.5±23%	8.1±22%	15.8±28%	12.9±26%	14.7±22%	12.6±18%
Goose Species Composition						
Canada Goose	99,945	111,400	108,657	166,812	111,033	113,903
Snow Goose	3,543	688	17,697	23,830	13,713	350
Blue Goose	0	229	3,539	2,860	5,308	0
Ross' Goose	1,492	0	6,017	5,719	2,875	350
White-fronted Goose	559	0	15,927	19,064	664	0
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	105,500±16%	112,300±15%	151,800±29%	218,300±81%	133,600±22%	114,600±14%
Total Active Goose Hunters ^b	14,300±14%	14,600±13%	15,500±16%	13,700±17%	13,400±13%	13,200±10%
Total Goose Hunter Days Afield ^b	89,600±19%	73,900±16%	88,400±21%	80,300±27%	95,900±15%	108,000±17%
Seasonal Goose Harvest Per Hunter ^b	7.4±21%	7.7±20%	9.8±33%	15.9±82%	10.0±25%	8.7±17%
Active Waterfowl Hunters ^c	19,000±12%	20,900±11%	21,700±14%	21,400±14%	17,600±12%	16,900±12%
Sample Sizes						
DuckWings	1,137	729	1,602	1,790	1,460	1,557
GooseTails	566	490	429	458	604	327

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	New Mexico		North Dakota		Oklahoma	
	2013	2014	2013	2014	2013	2014
Mallard	13,892	20,915	178,721	213,079	134,470	148,826
Domestic Mallard	0	0	0	236	0	0
Black Duck	0	0	0	0	0	0
Mallard x Black Hybrid	0	0	0	0	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	5,461	2,856	65,052	85,704	96,304	61,881
Wigeon	6,826	3,010	13,792	20,186	32,175	17,112
Green-winged Teal	3,694	4,322	26,320	30,929	33,728	30,768
Blue-winged/Cinnamon Teal	3,614	5,711	58,271	36,831	13,092	7,951
Northern Shoveler	1,847	2,547	30,227	29,866	17,086	6,568
Northern Pintail	2,248	2,392	24,136	25,263	9,320	7,433
Wood Duck	642	772	2,988	2,715	3,107	9,334
Redhead	402	386	27,699	39,783	7,545	8,124
Canvasback	161	309	7,471	9,798	3,107	2,247
Greater Scaup	0	0	115	0	888	346
Lesser Scaup	0	772	13,677	21,367	3,994	3,284
Ring-necked Duck	241	540	6,206	13,458	13,314	8,816
Goldeneyes	161	232	805	708	222	1,383
Bufflehead	161	463	5,977	8,145	444	1,210
Ruddy Duck	241	463	2,184	5,194	444	519
Long-tailed Duck	0	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	0	236	0	0
Hooded Merganser	80	154	3,103	1,535	1,331	1,210
Other Mergansers	161	309	0	0	222	0
Other Ducks	562	309	0	0	0	0
Total Duck Harvest	40,400±68%	46,500±41%	466,700±9%	545,000±8%	370,800±18%	317,000±22%
Total Active Duck Hunters ^a	2,100±42%	5,400±46%	32,100±8%	37,300±6%	18,800±12%	17,300±12%
Total Duck Hunter Days Afield ^a	13,500±46%	28,700±52%	161,200±8%	177,500±8%	127,800±17%	123,600±18%
Seasonal Duck Harvest Per Hunter ^a	19.0±80%	8.7±62%	14.6±11%	14.6±10%	19.8±21%	18.3±26%
Goose Species Composition						
Canada Goose	6,279	6,113	168,521	167,177	75,625	49,281
Snow Goose	0	3,493	13,158	8,577	14,750	5,639
Blue Goose	0	146	15,378	10,605	2,682	981
Ross' Goose	0	1,747	951	2,027	3,486	2,452
White-fronted Goose	0	0	1,585	1,715	3,218	2,452
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	6,300±97%	11,500±82%	199,600±15%	190,100±12%	99,800±41%	60,800±27%
Total Active Goose Hunters ^b	2,000±47%	3,000±53%	24,800±9%	26,700±6%	9,900±17%	9,400±16%
Total Goose Hunter Days Afield ^b	8,400±77%	9,500±59%	117,500±11%	123,100±8%	49,400±24%	50,200±25%
Seasonal Goose Harvest Per Hunter ^b	3.1±108%	3.9±98%	8.0±18%	7.1±13%	10.1±44%	6.5±32%
Active Waterfowl Hunters ^c	3,100±38%	6,500±43%	36,200±7%	41,500±6%	20,200±12%	18,000±12%
Sample Sizes						
DuckWings	503	602	4,061	4,617	1,671	1,834
GooseTails	94	79	1,259	1,219	372	248

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	South Dakota		Texas		Wyoming	
	2013	2014	2013	2014	2013	2014
Mallard	81,098	81,560	68,282	73,761	33,306	25,886
Domestic Mallard	0	0	460	0	0	0
Black Duck	133	0	0	0	0	0
Mallard x Black Hybrid	0	0	0	0	0	0
Mottled Duck	0	0	3,219	5,034	0	0
Gadwall	19,511	15,535	199,328	227,865	3,414	1,600
Wigeon	7,035	5,031	86,675	75,310	3,506	1,842
Green-winged Teal	15,928	16,683	173,119	208,312	2,583	3,102
Blue-winged/Cinnamon Teal	25,219	19,242	201,398	241,804	2,122	2,036
Northern Shoveler	15,795	8,032	74,490	85,570	92	339
Northern Pintail	10,087	7,326	64,374	54,595	369	679
Wood Duck	4,778	4,060	14,484	19,553	0	388
Redhead	7,566	7,679	75,179	97,767	646	436
Canvasback	1,062	1,854	18,163	18,005	0	0
Greater Scaup	133	88	1,839	3,098	0	0
Lesser Scaup	1,725	1,765	22,071	42,979	277	436
Ring-necked Duck	3,716	3,001	36,325	50,723	92	388
Goldeneyes	664	177	230	387	5,905	242
Bufflehead	5,575	2,560	1,150	2,904	277	145
Ruddy Duck	398	530	3,219	3,291	0	145
Long-tailed Duck	0	0	0	194	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	0	194	0	48
Hooded Merganser	531	265	2,299	3,872	92	0
Other Mergansers	133	0	0	194	185	145
Other Ducks	0	0	2,989	2,904	0	48
Total Duck Harvest	201,100±20%	175,400±22%	1,049,300±42%	1,218,300±21%	52,900±16%	37,900±20%
Total Active Duck Hunters ^a	13,900±17%	15,600±15%	46,400±24%	86,300±19%	4,700±13%	3,500±14%
Total Duck Hunter Days Afield ^a	83,700±22%	68,800±19%	360,600±46%	465,900±22%	26,600±17%	18,400±16%
Seasonal Duck Harvest Per Hunter ^a	14.5±26%	11.2±26%	22.6±49%	14.1±28%	11.2±21%	10.9±24%
Goose Species Composition						
Canada Goose	135,490	77,062	36,917	33,592	28,457	20,573
Snow Goose	10,313	6,367	54,290	107,493	0	0
Blue Goose	6,401	5,714	7,601	35,831	0	0
Ross' Goose	356	653	15,201	42,549	0	0
White-fronted Goose	1,422	653	34,745	120,930	0	0
Brant	0	0	0	0	0	0
Other Geese	0	0	0	0	0	0
Total Goose Harvest	154,000±32%	90,500±25%	148,800±36%	340,400±92%	28,500±18%	20,600±15%
Total Active Goose Hunters ^b	14,300±16%	12,100±13%	30,300±26%	47,500±17%	4,600±14%	3,700±12%
Total Goose Hunter Days Afield ^b	92,600±31%	55,800±19%	90,500±38%	155,500±32%	27,600±26%	17,400±15%
Seasonal Goose Harvest Per Hunter ^b	10.8±36%	7.5±29%	4.9±45%	7.2±93%	6.1±23%	5.5±19%
Active Waterfowl Hunters ^c	20,200±14%	20,400±12%	54,300±23%	92,700±19%	7,400±9%	5,600±9%
Sample Sizes						
DuckWings	1,515	1,987	4,564	6,293	573	782
GooseTails	433	554	137	152	270	228

Table 1C. Preliminary estimates of waterfowl harvest and hunter activity in the Central Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Flyway Total	
	2013	2014
Mallard	731,127	817,940
Domestic Mallard	460	236
Black Duck	133	0
Mallard x Black Hybrid	0	0
Mottled Duck	3,219	5,034
Gadwall	455,029	420,814
Wigeon	179,141	136,053
Green-winged Teal	332,482	342,076
Blue-winged/Cinnamon Teal	399,602	412,079
Northern Shoveler	170,334	140,418
Northern Pintail	129,821	106,502
Wood Duck	32,575	43,577
Redhead	132,258	163,925
Canvasback	31,565	34,037
Greater Scaup	3,511	3,629
Lesser Scaup	45,336	72,326
Ring-necked Duck	68,082	81,241
Goldeneyes	11,291	4,634
Bufflehead	15,279	16,003
Ruddy Duck	7,332	10,557
Long-tailed Duck	0	194
Eiders	0	0
Scoters	0	478
Hooded Merganser	8,270	8,042
Other Mergansers	1,268	1,608
Other Ducks	3,660	3,358
Total Duck Harvest	2,761,800±17%	2,824,800±10%
Total Active Duck Hunters ^a	159,700	207,900
Total Duck Hunter Days Afield ^a	1,057,100±16%	1,134,000±10%
Seasonal Duck Harvest Per Hunter ^a		

Goose Species Composition		
Canada Goose	770,924	745,913
Snow Goose	127,463	156,438
Blue Goose	40,909	56,365
Ross' Goose	30,378	55,498
White-fronted Goose	58,121	144,814
Brant	0	0
Other Geese	0	0
Total Goose Harvest	1,027,800±10%	1,159,000±31%
Total Active Goose Hunters ^b	129,200	143,900
Total Goose Hunter Days Afield ^b	660,000±9%	673,700±9%
Seasonal Goose Harvest Per Hunter ^b		

Active Waterfowl Hunters ^c	199,600	244,000

Sample Sizes		
DuckWings	17,086	20,191
GooseTails	4,164	3,755

Table 1D. Preliminary estimates of waterfowl harvest and hunter activity in the Pacific Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Arizona		California		Idaho	
	2013	2014	2013	2014	2013	2014
Mallard	13,720	6,672	127,977	106,370	212,538	169,105
Domestic Mallard	148	0	607	190	874	399
Black Duck	0	0	0	0	0	0
Mallard x Black Hybrid	0	0	0	0	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	5,117	1,554	60,725	56,464	13,978	14,491
Wigeon	7,490	3,108	153,026	162,264	21,716	17,150
Green-winged Teal	15,351	4,473	258,838	240,591	16,973	10,237
Blue-winged/Cinnamon Teal	6,304	417	22,013	18,156	2,870	133
Northern Shoveler	7,713	2,502	197,355	155,134	5,366	3,324
Northern Pintail	3,041	1,668	130,558	115,685	7,114	3,191
Wood Duck	222	38	5,465	9,316	6,115	4,387
Redhead	964	682	7,742	3,897	2,496	3,589
Canvasback	222	303	30,059	15,589	749	133
Greater Scaup	74	0	1,974	2,947	624	2,393
Lesser Scaup	1,335	417	18,217	16,635	3,744	3,457
Ring-necked Duck	2,521	1,289	20,343	17,110	3,494	5,717
Goldeneyes	890	341	743	331	16,099	7,977
Bufflehead	964	493	12,752	18,346	3,994	3,324
Ruddy Duck	742	720	12,904	7,605	374	0
Long-tailed Duck	0	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	306	89	125	0
Hooded Merganser	0	76	304	1,711	749	532
Other Mergansers	148	227	455	665	374	266
Other Ducks	1,261	644	0	95	0	0
Total Duck Harvest	68,200±43%	25,600±16%	1,062,400±14%	949,200±9%	320,400±17%	249,800±20%
Total Active Duck Hunters ^a	4,700±22%	3,000±15%	47,000±11%	43,000±12%	19,400±11%	19,000±15%
Total Duck Hunter Days Afield ^a	23,200±30%	14,100±15%	403,200±11%	309,800±8%	127,200±13%	114,600±25%
Seasonal Duck Harvest Per Hunter ^a	14.4±48%	8.6±22%	22.6±18%	22.0±15%	16.5±20%	13.2±25%
Goose Species Composition						
Canada Goose	2,087	2,143	44,071	52,735	62,595	69,031
Snow Goose	373	0	38,747	65,575	1,252	2,308
Blue Goose	0	0	0	917	0	0
Ross' Goose	149	159	13,310	18,343	0	0
White-fronted Goose	75	0	65,071	74,976	6,260	2,098
Brant	0	0	952	3,080	0	210
Other Geese	0	0	0	0	209	0
Total Goose Harvest	2,700±62%	2,300±34%	162,200±19%	215,600±17%	70,300±15%	73,600±22%
Total Active Goose Hunters ^b	1,600±41%	1,900±21%	29,800±13%	38,100±10%	15,600±12%	15,200±15%
Total Goose Hunter Days Afield ^b	9,500±56%	12,000±33%	201,800±16%	258,700±14%	81,300±16%	78,800±19%
Seasonal Goose Harvest Per Hunter ^b	1.6±74%	1.2±40%	5.4±23%	5.6±19%	4.5±19%	4.9±26%
Active Waterfowl Hunters ^c	4,900±21%	3,100±15%	49,200±11%	45,100±12%	23,100±11%	23,800±13%
Sample Sizes						
DuckWings	920	676	7,039	10,066	2,567	1,879
GooseTails	36	29	621	1,035	337	351

Table 1D. Preliminary estimates of waterfowl harvest and hunter activity in the Pacific Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Montana		Nevada		Oregon	
	2013	2014	2013	2014	2013	2014
Mallard	79,346	111,180	10,499	12,841	103,953	136,459
Domestic Mallard	0	161	0	0	294	211
Black Duck	0	0	0	0	0	0
Mallard x Black Hybrid	0	0	0	0	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	9,723	5,801	4,584	6,222	8,902	10,459
Wigeon	8,763	6,929	2,505	1,191	44,141	51,874
Green-winged Teal	6,602	11,763	7,621	4,104	34,651	40,713
Blue-winged/Cinnamon Teal	7,923	1,934	1,119	397	294	491
Northern Shoveler	5,762	3,706	7,035	2,118	18,466	17,830
Northern Pintail	2,641	3,867	2,238	927	37,299	42,679
Wood Duck	1,320	322	266	0	9,196	11,021
Redhead	3,241	3,061	640	265	0	491
Canvasback	720	1,611	320	132	2,060	1,474
Greater Scaup	0	0	53	0	1,545	3,089
Lesser Scaup	2,521	1,128	107	132	3,973	5,756
Ring-necked Duck	1,200	3,706	693	530	6,033	8,985
Goldeneyes	3,601	21,108	213	0	155	231
Bufflehead	1,080	1,450	213	662	3,531	5,545
Ruddy Duck	0	161	160	530	368	211
Long-tailed Duck	0	0	0	0	0	0
Eiders	0	0	0	0	0	0
Scoters	0	0	0	0	10	120
Hooded Merganser	120	322	53	0	1,030	842
Other Mergansers	120	1,128	0	0	515	913
Other Ducks	0	0	0	0	74	0
Total Duck Harvest	134,700±32%	179,300±21%	38,300±22%	30,000±20%	276,500±26%	339,400±16%
Total Active Duck Hunters ^a	10,600±20%	17,500±13%	3,600±22%	2,700±19%	13,800±13%	18,300±10%
Total Duck Hunter Days Afield ^a	63,600±28%	79,800±17%	18,600±19%	15,000±17%	117,100±23%	125,900±14%
Seasonal Duck Harvest Per Hunter ^a	12.6±37%	10.2±25%	10.6±31%	11.0±27%	20.1±29%	18.5±19%
Goose Species Composition						
Canada Goose	42,099	67,614	6,177	4,343	48,653	42,441
Snow Goose	555	831	0	99	2,409	1,547
Blue Goose	0	0	0	0	0	0
Ross' Goose	555	166	0	0	602	276
White-fronted Goose	222	166	0	99	2,890	5,692
Brant	0	0	0	0	0	17
Other Geese	0	0	0	0	0	0
Total Goose Harvest	43,400±40%	68,800±21%	6,200±42%	4,500±29%	54,600±24%	50,000±17%
Total Active Goose Hunters ^b	6,600±28%	12,500±16%	1,900±27%	1,800±25%	7,500±16%	8,700±11%
Total Goose Hunter Days Afield ^b	30,900±32%	56,000±20%	10,100±42%	8,000±26%	48,800±23%	52,200±14%
Seasonal Goose Harvest Per Hunter ^b	6.6±49%	5.5±26%	3.3±50%	2.5±39%	7.3±29%	5.7±20%
Active Waterfowl Hunters ^c	12,400±18%	21,200±12%	3,800±22%	3,100±19%	15,700±13%	20,300±9%
Sample Sizes						
DuckWings	1,122	1,113	719	227	3,773	4,868
GooseTails	391	414	52	46	454	905

Table 1D. Preliminary estimates of waterfowl harvest and hunter activity in the Pacific Flyway during the 2013 and 2014 hunting seasons.

Duck Species Composition	Utah		Washington		Flyway Total	
	2013	2014	2013	2014	2013	2014
Mallard	52,713	51,366	123,569	186,951	724,316	780,943
Domestic Mallard	402	1,002	114	0	2,439	1,963
Black Duck	0	0	0	0	0	0
Mallard x Black Hybrid	0	0	0	0	0	0
Mottled Duck	0	0	0	0	0	0
Gadwall	19,479	21,298	7,182	7,081	129,689	123,371
Wigeon	17,471	23,553	62,240	76,008	317,352	342,077
Green-winged Teal	38,958	30,193	30,208	34,817	409,203	376,891
Blue-winged/Cinnamon Teal	5,824	9,772	456	472	46,803	31,772
Northern Shoveler	11,748	28,189	9,575	15,107	263,020	227,909
Northern Pintail	15,161	23,553	24,395	34,581	222,447	226,151
Wood Duck	100	376	4,218	4,131	26,904	29,590
Redhead	2,510	3,508	2,850	2,124	20,443	17,619
Canvasback	1,908	4,260	2,622	1,534	38,659	25,037
Greater Scaup	100	0	1,710	2,124	6,080	10,553
Lesser Scaup	4,418	1,754	7,524	8,734	41,838	38,013
Ring-necked Duck	3,113	3,508	7,638	7,200	45,035	48,044
Goldeneyes	5,322	2,756	1,104	589	28,127	33,333
Bufflehead	2,309	376	8,549	10,150	33,394	40,346
Ruddy Duck	1,004	2,130	114	826	15,666	12,182
Long-tailed Duck	0	0	23	0	23	0
Eiders	0	0	0	0	0	0
Scoters	100	0	437	255	978	464
Hooded Merganser	402	0	798	1,180	3,455	4,663
Other Mergansers	1,104	1,879	798	1,062	3,516	6,141
Other Ducks	201	0	0	134	1,535	873
Total Duck Harvest	184,300±20%	209,500±14%	296,100±17%	395,100±19%	2,380,900±8%	2,377,900±6%
Total Active Duck Hunters ^a	14,300±16%	16,900±15%	17,200±13%	21,300±10%	130,700	141,800
Total Duck Hunter Days Afield ^a	90,600±23%	99,100±17%	127,100±15%	152,700±16%	970,800±7%	911,100±6%
Seasonal Duck Harvest Per Hunter ^a	12.9±26%	12.4±21%	17.1±21%	18.5±22%		
Goose Species Composition						
Canada Goose	17,618	26,239	48,301	49,458	271,601	314,004
Snow Goose	647	0	4,383	4,297	48,365	74,656
Blue Goose	0	0	0	0	0	917
Ross' Goose	485	175	1,031	457	16,133	19,576
White-fronted Goose	0	0	516	1,097	75,033	84,128
Brant	0	0	767	37	1,719	3,344
Other Geese	0	0	0	0	209	0
Total Goose Harvest	18,700±36%	26,400±24%	55,000±23%	55,300±14%	413,100±10%	496,600±9%
Total Active Goose Hunters ^b	7,800±22%	10,100±14%	10,200±15%	10,900±10%	80,900	99,200
Total Goose Hunter Days Afield ^b	44,200±39%	50,200±19%	56,000±20%	58,000±15%	482,800±9%	574,000±7%
Seasonal Goose Harvest Per Hunter ^b	2.4±43%	2.6±28%	5.3±27%	5.1±18%		
Active Waterfowl Hunters ^c	14,900±16%	17,700±15%	18,700±12%	23,100±10%	142,700	162,900
Sample Sizes						
DuckWings	1,836	1,672	2,652	3,394	20,628	23,895
GooseTails	116	151	635	611	2,642	3,542

Table 1E. Preliminary estimates of waterfowl harvest and hunter activity in the Alaska and the United States during the 2013 and 2014 hunting seasons.

Duck Species Composition	Alaska		United States Total	
	2013	2014	2013	2014
Mallard	17,125	18,232	3,637,597	3,904,063
Domestic Mallard	69	0	7,452	5,837
Black Duck	0	0	100,187	72,396
Mallard x Black Hybrid	0	0	12,597	4,509
Mottled Duck	0	0	49,727	41,902
Gadwall	480	1,211	1,674,771	1,582,795
Wigeon	11,097	9,116	638,214	610,915
Green-winged Teal	8,152	5,840	1,711,307	1,751,773
Blue-winged/Cinnamon Teal	343	214	1,465,318	1,155,489
Northern Shoveler	5,275	2,778	821,859	704,756
Northern Pintail	9,727	5,484	538,467	471,466
Wood Duck	0	0	1,160,864	1,079,574
Redhead	0	0	310,201	331,736
Canvasback	274	0	159,712	108,263
Greater Scaup	343	285	82,224	62,093
Lesser Scaup	822	427	246,285	321,925
Ring-necked Duck	480	214	497,997	498,057
Goldeneyes	2,946	3,134	86,645	81,894
Bufflehead	1,987	641	223,984	206,089
Ruddy Duck	0	0	46,285	61,070
Long-tailed Duck	0	207	29,224	13,226
Eiders	0	207	7,778	13,679
Scoters	4,602	2,273	47,618	42,999
Hooded Merganser	0	0	98,552	97,807
Other Mergansers	1,255	2,273	35,123	32,406
Other Ducks	1,742	620	26,438	13,278
Total Duck Harvest	66,700±16%	53,200±14%	13,716,400±6%	13,270,000±4%
Total Active Duck Hunters^a	4,700±9%	5,100±9%	881,400	961,500
Total Duck Hunter Days Afield^a	25,800±13%	20,500±13%	6,196,900±5%	5,971,700±3%
Seasonal Duck Harvest Per Hunter^a	12.7±18%	9.3±17%		
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Goose Species Composition				
Canada Goose	5,142	7,365	2,657,761	2,485,077
Snow Goose	0	0	291,171	295,778
Blue Goose	0	0	89,404	100,886
Ross' Goose	0	0	52,769	91,821
White-fronted Goose	621	113	256,369	339,559
Brant	725	2,434	14,366	13,054
Other Geese	0	0	279	676
Total Goose Harvest	6,500±27%	9,900±36%	3,362,100±6%	3,326,900±11%
Total Active Goose Hunters^b	1,800±16%	1,900±18%	561,900	616,700
Total Goose Hunter Days Afield^b	9,500±25%	7,600±25%	3,301,400±5%	3,287,000±4%
Seasonal Goose Harvest Per Hunter^b	3.2±31%	4.0±40%		
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Active Waterfowl Hunters^c	5,100±9%	5,500±8%	1,017,700	1,097,300
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Sample Sizes				
DuckWings	882	695	74,693	82,678
GooseTails	93	90	16,423	15,654

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

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

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

Table 2. Flyway-specific point estimates of duck and goose harvest in Colorado, Montana, New Mexico, and Wyoming during the 2013 and 2014 hunting seasons.

	2013		2014	
	Central Flyway	Pacific Flyway	Central Flyway	Pacific Flyway
Duck Harvest				
Colorado	100,900	23,400	91,200	13,700
Montana	54,400	80,300	45,100	134,200
New Mexico	34,600	5,800	36,200	10,300
Wyoming	46,200	6,600	24,700	13,200
Goose Harvest				
Colorado	97,100	8,400	102,500	9,900
Montana	28,800	14,700	46,700	22,100
New Mexico	2,400	3,900	8,300	3,200
Wyoming	26,700	1,800	15,800	4,800

Table 3. Preliminary estimates of sea duck harvest and hunter activity for states with special sea duck seasons or sea duck permits during the 2013 and 2014 hunting seasons.¹

State / Flyway	Sea Duck Harvest ²		Active Sea Duck Hunters ³		Sea Duck Hunter Days Afield		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Connecticut	4,500 ± 60%	2,900 ± 75%	600 ± 45%	400 ± 51%	2,100 ± 62%	2,400 ± 63%	7.4 ± 75%	7.4 ± 91%
Delaware	1,100 ± 74%	700 ± 67%	300 ± 58%	200 ± 56%	800 ± 81%	1,000 ± 84%	4.4 ± 94%	3.2 ± 87%
Maine	5,000 ± 67%	2,100 ± 68%	1,000 ± 47%	600 ± 60%	3,500 ± 62%	1,400 ± 61%	4.9 ± 82%	3.3 ± 91%
Maryland	14,100 ± 42%	13,600 ± 27%	2,700 ± 24%	2,800 ± 18%	7,100 ± 36%	5,900 ± 25%	5.2 ± 48%	4.8 ± 33%
Massachusetts	3,800 ± 47%	5,400 ± 42%	700 ± 43%	900 ± 44%	1,700 ± 46%	2,100 ± 38%	5.6 ± 64%	6.3 ± 61%
New Hampshire	1,700 ± 89%	1,500 ± 68%	200 ± 69%	200 ± 55%	800 ± 74%	700 ± 73%	9.0 ± 112%	6.9 ± 87%
New Jersey	5,300 ± 44%	4,300 ± 54%	1,100 ± 32%	1,200 ± 42%	3,300 ± 39%	2,200 ± 56%	4.7 ± 54%	3.7 ± 69%
New York	13,600 ± 48%	10,700 ± 51%	2,000 ± 37%	1,400 ± 32%	8,600 ± 41%	8,600 ± 87%	6.7 ± 61%	7.8 ± 61%
Rhode Island	800 ± 50%	800 ± 80%	200 ± 37%	100 ± 34%	1,100 ± 63%	400 ± 59%	4.0 ± 62%	8.4 ± 87%
Virginia	2,900 ± 67%	8,600 ± 56%	1,000 ± 58%	1,500 ± 41%	2,100 ± 55%	3,500 ± 50%	3.0 ± 89%	5.8 ± 70%
Atlantic Flyway Total	53,000 ± 20%	50,500 ± 18%	9,800	9,200	31,200 ± 18%	28,200 ± 29%		
California	1,000 ± 73%	400 ± 65%	100 ± 36%	100 ± 34%	600 ± 54%	500 ± 47%	8.3 ± 81%	3.4 ± 73%
Oregon	200 ± 98%	400 ± 65%	<50 ± 70%	<50 ± 38%	100 ± 82%	200 ± 52%	3.7 ± 120%	7.2 ± 75%
Washington	1,600 ± 87%	900 ± 57%	100 ± 61%	100 ± 65%	1,200 ± 108%	400 ± 55%	14.0 ± 106%	6.8 ± 87%
Pacific Flyway	2,800 ± 56%	1,600 ± 37%	300	300	1,900 ± 70%	1,100 ± 31%		
Alaska	7,500 ± 33%	5,600 ± 36%	1,100 ± 27%	1,100 ± 27%	4,400 ± 34%	4,800 ± 43%	6.8 ± 43%	5.2 ± 45%
U.S. Total	63,300 ± 17%	57,700 ± 17%	11,200	10,600	37,600 ± 16%	34,100 ± 25%		

¹ Variance estimates presented as 95% confidence interval as percent of the point estimate.

² Sea ducks include long-tailed ducks, eiders, and scoters in the Atlantic Flyway; long-tailed ducks, scoters, and harlequin ducks in California and Oregon; long-tailed ducks, scoters, harlequin ducks, and goldeneyes in Washington; and long-tailed ducks, eiders, scoters, harlequin ducks, and mergansers in Alaska.

³ Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.

Table 4. Preliminary estimates of brant harvest and hunter activity along the Atlantic and Pacific coasts during the 2013 and 2014 hunting seasons.¹

State / Flyway	Brant Harvest		Active Brant Hunters ²		Brant Hunter Days Afield		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Connecticut	0	200 ± 195%	100 ± 195%	100 ± 195%	900 ± 195%	700 ± 195%	0	3.0 ± 276%
Delaware	200 ± 117%	<50 ± 127%	100 ± 82%	<50 ± 98%	400 ± 97%	<50 ± 98%	3.3 ± 143%	1.0 ± 160%
Maryland	100 ± 140%	0	100 ± 154%	100 ± 122%	100 ± 154%	200 ± 119%	1.2 ± 208%	0
Massachusetts	100 ± 116%	500 ± 73%	100 ± 103%	300 ± 73%	300 ± 123%	600 ± 54%	1.3 ± 155%	2.0 ± 103%
New Hampshire	0	<50 ± 191%	100 ± 136%	<50 ± 191%	300 ± 149%	<50 ± 191%	0	1.0 ± 271%
New Jersey	4,600 ± 100%	1,500 ± 55%	1,100 ± 31%	800 ± 43%	4,400 ± 57%	1,700 ± 44%	4.3 ± 104%	1.8 ± 70%
New York	4,200 ± 44%	3,100 ± 40%	1,500 ± 42%	1,300 ± 33%	4,900 ± 42%	4,400 ± 43%	2.8 ± 61%	2.4 ± 52%
North Carolina	900 ± 142%	1,000 ± 101%	600 ± 116%	1,400 ± 75%	2,600 ± 125%	2,300 ± 80%	1.5 ± 183%	0.7 ± 125%
Rhode Island	200 ± 61%	100 ± 62%	100 ± 43%	<50 ± 44%	500 ± 55%	100 ± 59%	3.5 ± 74%	2.0 ± 75%
Virginia	1,200 ± 108%	300 ± 73%	700 ± 70%	500 ± 55%	1,200 ± 71%	1,200 ± 49%	1.8 ± 129%	0.7 ± 92%
Atlantic Flyway Total	11,600 ± 46%	6,900 ± 28%	4,300	4,600	15,500 ± 33%	11,100 ± 28%		
California	1,000 ± 48%	2,200 ± 51%	300 ± 92%	1,100 ± 56%	1,000 ± 43%	2,900 ± 66%	2.8 ± 103%	2.1 ± 76%
Oregon	0	<50 ± 154%	<50 ± 96%	<50 ± 175%	<50 ± 116%	100 ± 167%	0	0.4 ± 233%
Washington	800 ± 85%	<50 ± 109%	400 ± 76%	<50 ± 90%	1,200 ± 89%	<50 ± 95%	1.8 ± 114%	1.3 ± 141%
Pacific Flyway Total	1,700 ± 46%	2,200 ± 50%	800	1,100	2,300 ± 51%	3,100 ± 64%		
Alaska	700 ± 55%	2,400 ± 42%	200 ± 44%	500 ± 32%	1,000 ± 60%	2,000 ± 37%	3.6 ± 70%	5.2 ± 53%
U.S. Total	14,000 ± 38%	11,500 ± 21%	5,300	6,200	18,800 ± 28%	16,200 ± 23%		

¹ Variance estimates presented as 95% confidence interval as percent of the point estimate.

² Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.

Table 5. Preliminary harvest estimates for special September teal and teal/wood duck seasons during the 2013 and 2014 hunting seasons.

State	Harvest						Number of						
	Green-winged Teal		Blue-winged Teal		Wood ducks		Other ducks		Total duck harvest		wings received		
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	
September Teal Seasons													
Delaware	449	175	150	0	0	0	0	0	0	598	175	8	2
Georgia	0	0	8,586	5,437	0	0	0	0	0	8,586	5,437	59	37
Maryland	132	903	396	82	0	0	0	0	0	528	985	4	12
North Carolina	850	0	638	328	0	0	638	0	0	2,125	328	10	2
South Carolina	0	179	1,742	2,510	0	0	0	0	0	1,742	2,689	11	15
Virginia	0	648	324	432	0	0	216	0	0	541	1,080	5	10
Atlantic Flyway Total	1,431	1,906	11,835	8,790	0	0	854	0	0	14,119	10,696	97	78
Alabama	212	136	12,927	9,495	212	271	212	0	0	13,563	9,901	64	73
Arkansas	0	1,677	4,673	23,807	0	0	0	0	0	4,673	25,484	18	76
Illinois	0	291	11,419	19,518	0	0	0	0	0	11,419	19,809	24	68
Indiana	549	258	2,197	6,185	0	0	0	0	0	2,746	6,443	20	50
Iowa	0	2,909	0	45,871	0	0	0	0	0	0	48,780	0	218
Louisiana	4,649	276	323,077	220,778	0	0	0	0	276	327,726	221,330	846	802
Michigan	0	5,415	0	4,275	0	0	0	0	0	0	9,690	0	34
Mississippi	0	0	9,326	2,106	0	0	0	0	0	9,326	2,106	38	8
Missouri	1,448	1,790	38,229	28,990	0	0	0	0	179	39,677	30,959	137	173
Ohio	5,870	4,626	5,525	4,369	0	0	0	0	257	11,395	9,253	33	36
Wisconsin	0	1,837	0	13,780	0	0	0	0	0	0	15,617	0	51
Mississippi Flyway Total	12,728	19,214	407,373	379,174	212	271	212	712	712	420,525	399,371	1,180	1,589
Colorado	1,312	1,007	4,156	7,621	0	0	0	0	0	5,468	8,628	50	60
Kansas	2,323	2,806	28,213	36,736	0	128	0	0	0	30,537	39,670	184	311
Nebraska	1,174	1,946	11,606	31,039	0	389	130	195	195	12,910	33,569	99	345
New Mexico	402	386	2,891	4,013	0	0	0	0	0	3,292	4,399	41	57
Oklahoma	1,553	0	12,426	6,568	0	0	0	173	173	13,980	6,741	63	39
Texas	4,598	2,710	119,781	162,623	0	0	0	0	0	124,379	165,333	541	854
Central Flyway Total	11,362	8,855	179,073	248,600	0	517	130	367	367	190,566	258,339	978	1,666
Total	25,521	29,975	598,282	636,564	212	788	1,196	1,079	1,079	625,211	668,406	2,255	3,333
September Teal/Wood Duck Seasons													
Florida	0	0	8,533	11,017	905	2,551	0	0	0	9,438	13,569	73	117
Kentucky	0	0	696	2,941	5,565	2,941	0	0	0	6,261	5,883	9	20
Tennessee	0	0	0	3,700	8,364	5,550	0	0	0	8,364	9,251	8	15
Total	0	0	9,229	17,659	14,834	11,043	0	0	0	24,063	28,702	90	152
U.S. Total	25,521	29,975	607,510	654,223	15,046	11,831	1,196	1,079	1,079	649,273	697,108	2,345	3,485

Table 6. Preliminary estimates of the number of Canada geese harvested during the special September, regular, and special late seasons during the 2013 and 2014 hunting seasons.

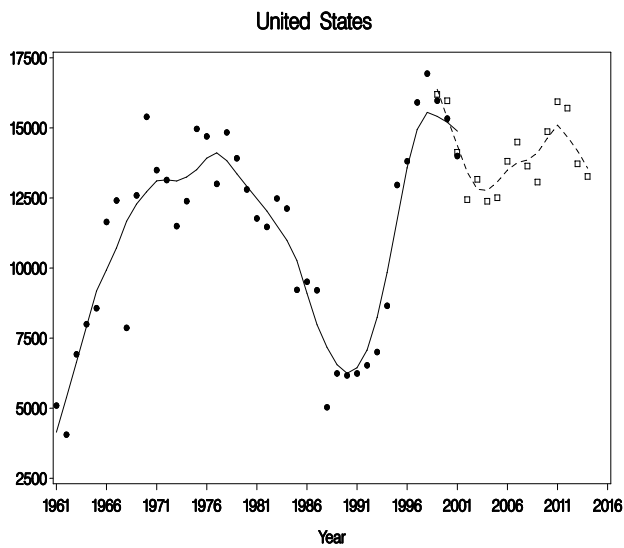
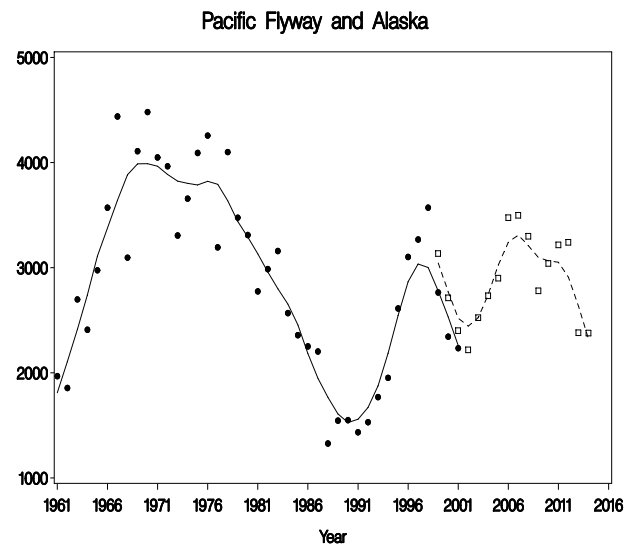
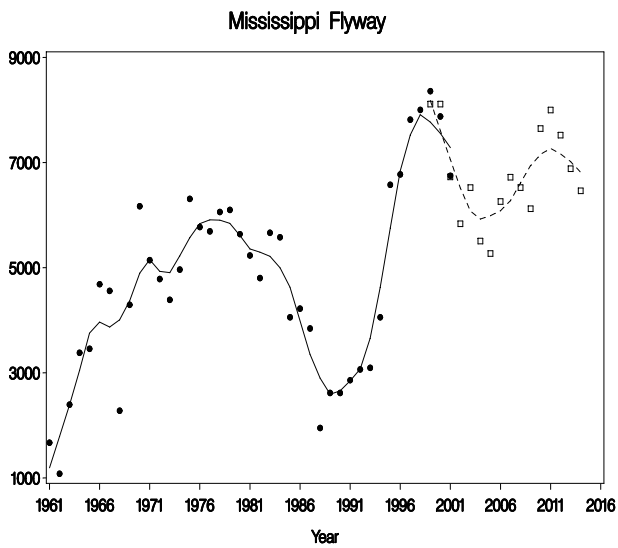
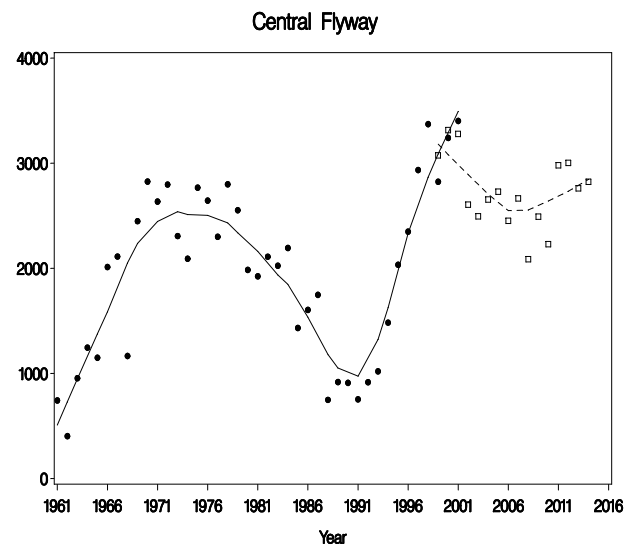
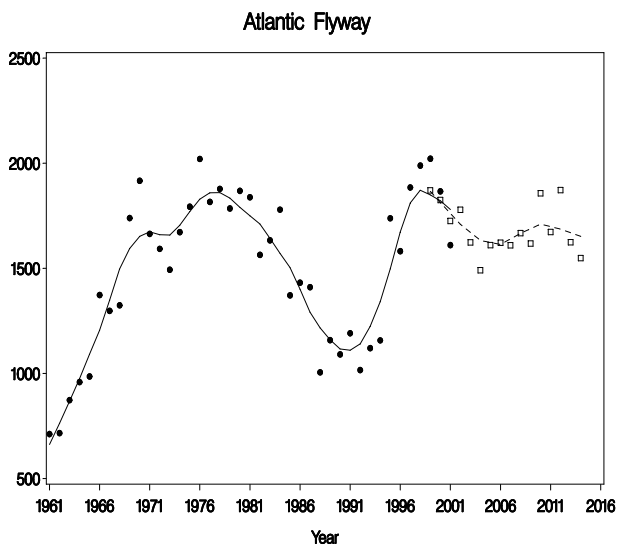
State / Flyway	September		Regular		Late		Total	
	2013	2014	2013	2014	2013	2014	2013	2014
Connecticut	1,200	3,400	7,500	8,000	0	0	8,600	11,400
Delaware	900	400	17,000	17,400	0	0	17,900	17,800
Florida	0	0	1,700	5,700	0	0	1,700	5,700
Georgia	4,700	21,400	27,400	30,300	0	0	32,200	51,800
Maine	3,900	2,900	4,900	6,100	0	0	8,800	8,900
Maryland	5,800	8,200	146,700	105,800	0	0	152,500	114,000
Massachusetts	2,100	2,700	3,800	4,800	1,300	0	7,100	7,500
New Hampshire	1,500	2,000	4,500	3,800	0	0	6,000	5,800
New Jersey	6,000	3,300	42,300	26,400	3,400	0	51,700	29,700
New York	69,400	70,900	64,900	67,400	2,000	0	136,200	138,300
North Carolina	7,200	11,400	48,700	25,800	0	0	55,900	37,300
Pennsylvania	33,200	31,400	70,700	75,500	0	0	103,900	106,900
Rhode Island	100	400	4,600	5,100	0	0	4,700	5,500
South Carolina	9,300	5,600	7,900	30,200	0	0	17,200	35,800
Vermont	5,200	6,100	4,400	6,200	0	0	9,600	12,300
Virginia	10,700	7,500	47,100	37,800	0	0	57,800	45,300
West Virginia	600	500	4,300	1,900	0	0	4,900	2,400
Atlantic Flyway Total	161,700	178,100	506,600	452,700	6,700	0	675,000	630,800
Alabama	7,400	5,900	23,600	20,700	0	0	30,900	26,600
Arkansas	3,600	1,300	9,900	7,800	0	0	13,600	9,100
Illinois	15,700	27,700	95,500	78,300	0	0	111,200	106,000
Indiana	12,300	10,500	32,400	30,500	10,200	3,600	54,900	44,700
Iowa	0	0	73,700	47,300	0	0	73,700	47,300
Kentucky	10,800	3,000	30,100	9,900	0	0	40,900	12,900
Louisiana	0	0	0	200	0	0	0	200
Michigan	55,300	61,500	91,900	74,700	700	4,400	148,000	140,700
Minnesota	78,400	84,600	108,900	63,900	0	0	191,600	148,500
Mississippi	0	0	7,200	15,100	0	0	7,200	15,100
Missouri	0	0	35,100	45,700	0	0	35,100	45,700
Ohio	33,900	12,500	94,600	67,100	0	0	128,500	79,600
Tennessee	4,000	0	8,000	14,400	0	0	12,000	14,400
Wisconsin	27,900	22,600	57,900	67,800	0	0	85,800	90,400
Mississippi Flyway Total	249,300	229,700	668,800	543,500	11,000	8,000	933,400	781,300
Kansas	0	0	91,600	101,500	0	0	91,600	101,500
Nebraska	0	0	108,700	166,800	0	0	108,700	166,800
North Dakota	0	0	28,400	46,500	0	0	28,400	46,500
Oklahoma	0	0	111,000	113,900	0	0	111,000	113,900
South Dakota	0	0	2,400	2,900	0	0	2,400	2,900
Colorado	33,900	53,600	122,100	113,500	0	0	168,500	167,200
Oregon	0	0	75,600	49,300	0	0	75,600	49,300
Washington	54,100	25,500	78,900	51,600	0	0	135,500	77,100
Wyoming	0	0	36,900	33,600	0	0	36,900	33,600

Table 7. Waterfowl harvest estimates in Canada during the 2013 and 2014 hunting seasons (estimates courtesy of the Canadian Wildlife Service).

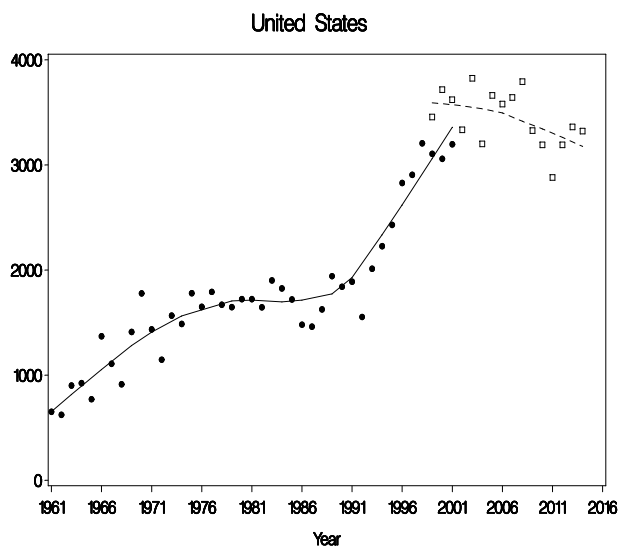
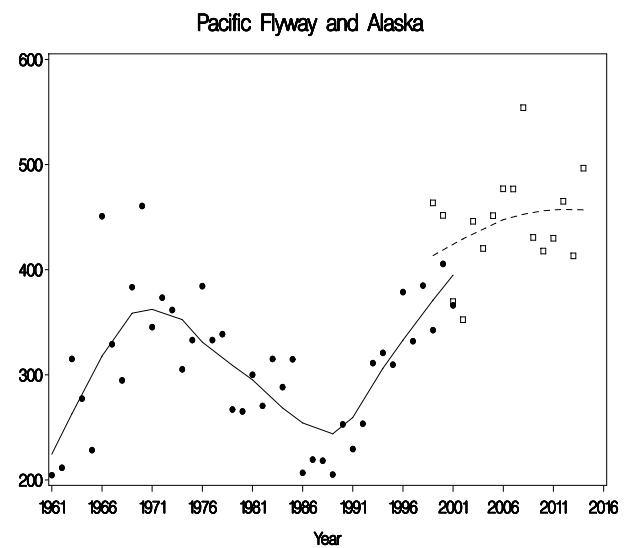
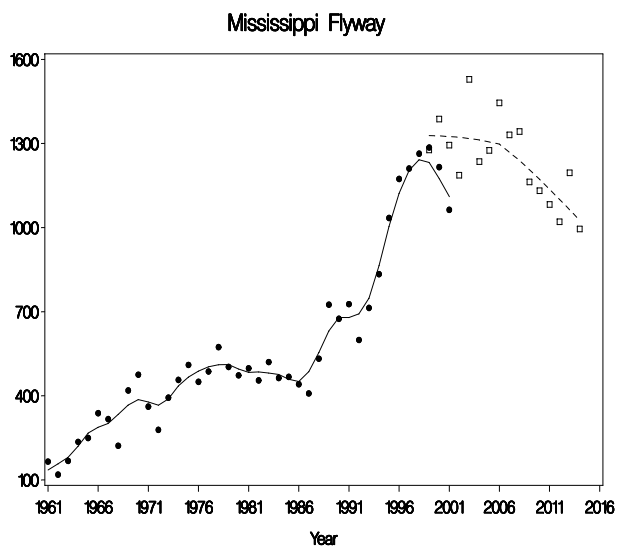
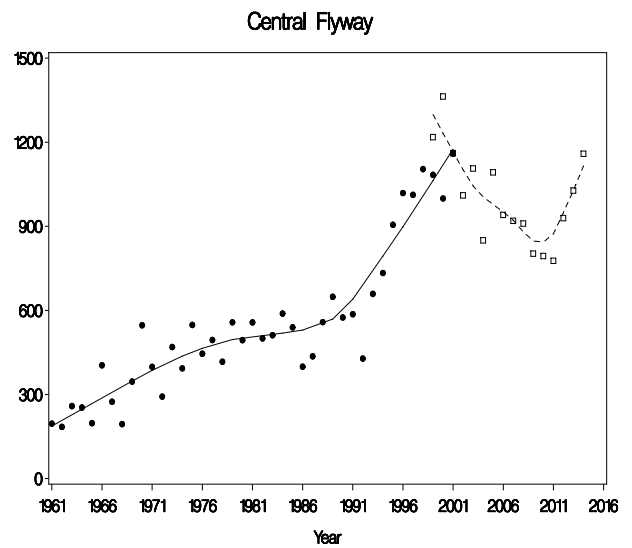
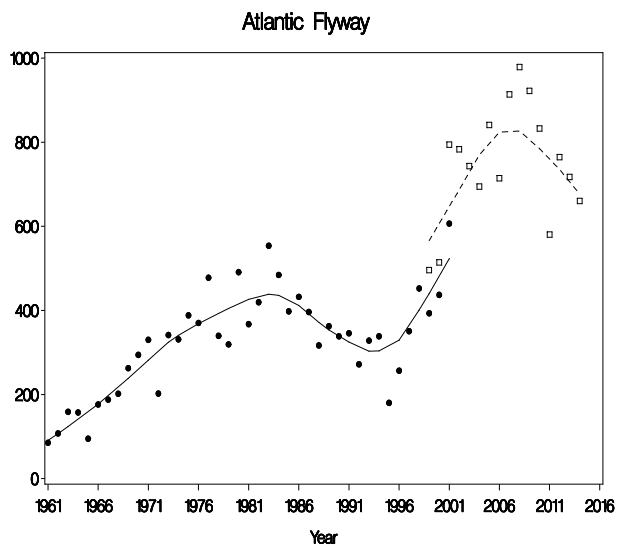
Duck Species Composition	Newfoundland		Prince Edward Isl.		Nova Scotia		New Brunswick		Quebec		Ontario		Manitoba	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
Mallard	0	1,397	758	1,602	7,500	3,000	9,689	5,647	47,579	56,092	107,319	116,812	42,549	30,927
Black Duck	18,034	3,796	7,296	12,817	26,773	12,992	10,661	10,736	22,433	21,414	14,436	10,872	152	0
Gadwall	0	0	0	0	171	142	312	37	1,748	1,504	4,191	3,960	3,665	5,434
Wigeon	0	28	0	0	1,110	113	705	485	2,231	1,564	8,642	8,892	3,098	2,953
Green-winged Teal	4,772	1,792	471	0	3,405	2,420	5,244	3,931	26,768	16,522	16,466	12,640	13,529	7,345
Blue-winged/Cinnamon Teal	0	0	384	0	187	246	561	1,218	1,248	1,639	3,882	5,856	20,242	10,493
Northern Shoveler	0	0	0	0	0	64	72	0	399	401	1,071	0	6,162	2,332
Northern Pintail	612	88	671	0	696	532	721	109	7,060	2,729	4,850	3,350	3,796	3,903
Wood Duck	0	0	0	0	320	598	3,140	3,048	13,842	17,518	51,884	58,568	1,734	1,316
Redhead	0	0	0	0	0	0	0	0	72	358	3,668	8,373	9,409	13,693
Canvasback	0	0	0	0	0	0	0	0	0	0	1,979	1,897	5,318	11,344
Greater Scaup	1,251	1,151	234	0	105	48	692	1,349	2,081	386	4,993	3,484	156	2,551
Lesser Scaup	575	866	837	0	205	81	1,404	407	2,060	1,226	11,648	5,715	8,964	14,367
Ring-necked Duck	2,644	3,471	843	0	295	625	2,174	1,456	5,944	6,871	11,780	11,590	6,675	1,456
Goldeneyes	4,107	373	552	0	1,386	211	2,075	2,657	1,773	2,602	4,545	3,985	1,065	1,395
Bufflehead	0	0	55	0	620	43	0	0	1,126	407	9,535	7,036	1,500	1,647
Ruddy Duck	0	0	0	0	0	0	0	0	0	0	0	1,805	0	479
Long-tailed Duck	183	269	0	0	361	98	0	0	657	388	1,421	335	0	283
Eiders	12,531	5,514	0	0	355	841	643	0	1,683	2,339	110	0	0	0
Scoters	368	224	0	0	801	989	110	0	2,782	2,554	487	384	0	0
Hooded Merganser	1,472	88	487	0	623	1,196	55	336	900	4,475	766	8,193	0	315
Other Mergansers	6,737	6,797	539	0	1,055	581	141	0	4,030	1,225	5,076	6,097	680	0
Other Ducks	0	0	0	0	0	0	0	0	134	0	0	0	0	0
Total Duck Harvest	53,286	25,854	13,127	14,419	45,968	24,820	38,399	31,416	146,550	142,214	268,749	280,688	128,694	113,922
Goose Species Composition														
Canada Goose	7,201	3,659	14,370	14,766	12,616	8,416	12,153	0	136,417	135,897	199,784	222,530	109,547	82,894
Snow Goose	0	0	0	0	0	0	0	14,230	57,281	89,292	529	0	2,528	6,424
Blue Goose	0	0	0	0	0	0	0	0	1,310	1,248	489	0	4,175	7,583
Ross's Goose	0	0	0	0	0	0	0	0	0	0	231	0	1,448	865
White-fronted Goose	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Goose Harvest	7,201	3,659	14,370	14,766	12,616	8,416	12,153	14,230	195,008	226,437	201,033	222,530	117,698	98,066
Migratory Bird Permits Sold	17,548	15,953	1,742	1,768	5,825	5,289	6,182	5,968	31,943	32,446	62,009	61,365	12,765	12,141

Table 7 (continued). Waterfowl harvest estimates in Canada during the 2013 and 2014 hunting seasons (estimates courtesy of the Canadian Wildlife Service).

Duck Species Composition	Saskatchewan		Alberta		British Columbia		Nunavut		Northwest Terr.		Yukon Territory		Canada Total	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
Mallard	193,591	163,468	106,935	93,733	29,986	26,996	0	0	923	0	0	440	546,829	500,114
Black Duck	0	0	0	0	0	0	0	0	0	0	0	0	99,785	72,627
Gadwall	18,864	43,710	10,706	10,261	237	758	0	0	0	0	0	0	39,894	65,806
Wigeon	2,527	4,316	2,710	11,776	5,851	7,970	0	0	461	0	0	0	27,335	38,097
Green-winged Teal	6,969	3,895	3,734	2,768	1,626	4,957	0	0	0	0	0	0	82,984	56,270
Blue-winged/Cinnamon Teal	38,943	25,278	12,572	6,377	328	540	0	0	0	0	0	0	78,347	51,647
Northern Shoveler	15,458	10,943	7,051	6,074	1,467	1,248	0	0	0	0	0	0	31,680	21,906
Northern Pintail	19,243	30,717	15,786	20,996	2,357	3,603	0	0	0	0	0	440	55,792	66,467
Wood Duck	0	1,387	0	0	25	146	0	0	0	0	0	0	70,945	82,581
Redhead	5,884	3,460	4,106	3,517	75	0	0	0	0	0	0	0	23,214	29,401
Canvasback	761	5,703	6,051	248	0	115	0	0	0	0	0	0	14,109	19,307
Greater Scaup	1,973	0	0	0	0	0	0	0	0	0	0	0	9,512	8,969
Lesser Scaup	0	19	4,339	2,411	134	524	0	0	0	0	0	0	32,139	26,134
Ring-necked Duck	0	0	0	140	98	1,050	0	0	0	0	0	0	30,453	28,358
Goldeneyes	1,590	160	1,778	1,011	734	438	0	0	0	0	0	0	19,605	12,832
Bufflehead	358	389	1,755	4,999	495	1,647	0	0	0	0	0	0	15,444	16,197
Ruddy Duck	0	0	0	154	0	129	0	0	0	0	0	0	0	2,567
Long-tailed Duck	0	0	0	0	0	0	0	0	0	0	0	0	2,622	1,373
Eiders	0	0	0	0	0	0	0	0	0	0	0	0	15,322	8,694
Scoters	0	0	0	0	0	0	0	0	0	0	0	0	4,548	4,151
Hooded Merganser	0	0	0	0	32	198	0	0	0	0	0	0	4,335	14,801
Other Mergansers	0	0	0	0	213	164	0	0	0	0	0	0	18,471	14,864
Other Ducks	0	0	0	0	0	0	0	0	0	0	0	0	134	0
Total Duck Harvest	306,161	293,937	177,523	164,465	43,658	50,512	0	0	1,384	0	0	880	1,223,499	1,143,163
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Goose Species Composition														
Canada Goose	141,655	161,815	80,546	100,408	11,639	14,370	0	0	0	0	0	154	726,082	757,547
Snow Goose	65,452	65,312	24,205	38,520	1,208	507	0	0	0	0	0	0	151,203	111,230
Blue Goose	62,383	55,779	5,008	8,735	351	328	0	0	0	0	0	0	73,716	73,673
Ross's Goose	29,478	30,269	3,798	10,151	0	0	0	0	0	0	0	0	34,955	41,285
White-fronted Goose	42,181	65,463	32,799	21,711	133	420	0	0	0	0	0	0	75,113	87,594
Brant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Goose Harvest	341,149	378,638	146,356	179,525	13,331	15,625	0	0	0	0	0	154	1,061,069	1,161,892
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Migratory Bird Permits Sold	21,376	20,486	22,736	23,406	7,108	7,473	44	42	287	389	281	259	189,844	187,165



(in thousands) by hunters in the the United States, 1961-2014. (Federal Duck Stamp Survey - circles and solid line)



ed (in thousands) by hunters in the the United States, 1961-2014. (Federal Duck Stamp Survey - circles and solid line)

Table 8. Preliminary weighted age ratios of mallards in state harvests during the 2010-2014 hunting seasons as determined from Waterfowl Parts Collection Survey.

State and Flyway	Immatures per adult ^a				
	2010	2011	2012	2013	2014
Connecticut	1.5	1.2	1.0	0.9	1.1
Delaware	0.9	1.2	1.2	2.0	1.8
Florida	---	---	---	---	---
Georgia	1.2	1.2	0.9	1.6	0.9
Maine	2.7	1.9	2.5	1.4	1.4
Maryland	1.1	1.5	1.4	1.1	1.2
Massachusetts	1.1	1.0	1.4	0.9	1.3
New Hampshire	1.1	1.2	1.9	2.3	1.6
New Jersey	1.0	1.1	0.8	0.6	0.9
New York	1.7	1.7	1.7	1.6	1.7
North Carolina	1.4	1.1	1.3	1.5	1.6
Pennsylvania	1.1	1.0	1.0	1.3	1.2
Rhode Island	0.7	0.8	---	1.2	0.9
South Carolina	2.0	1.5	3.7	2.3	0.9
Vermont	1.9	1.8	1.6	1.7	2.7
Virginia	1.0	0.7	0.8	1.1	1.0
West Virginia	1.2	1.4	1.2	0.7	0.6
Atlantic Flyway Total ^b	1.30	1.24	1.38	1.37	1.33
Alabama	1.2	1.2	1.6	1.0	1.1
Arkansas	1.1	1.3	1.0	0.8	1.1
Illinois	1.9	2.1	2.1	1.6	1.9
Indiana	1.1	1.9	1.5	1.7	1.8
Iowa	3.4	4.6	3.1	2.9	4.3
Kentucky	1.2	1.3	1.3	1.7	1.4
Louisiana	1.4	2.3	1.5	1.1	1.3
Michigan	1.8	2.2	2.0	1.4	2.0
Minnesota	2.9	4.7	4.5	3.5	5.4
Mississippi	1.3	1.2	1.3	0.6	0.9
Missouri	2.3	2.3	1.9	1.4	2.3
Ohio	1.7	1.9	1.6	1.2	1.5
Tennessee	1.6	1.3	1.5	0.9	1.3
Wisconsin	2.9	3.5	2.9	2.6	2.6
Mississippi Flyway Total ^b	1.59	1.91	1.68	1.31	1.66

Table 8 (continued). Preliminary weighted age ratios of mallards in state harvests during the 2010-2014 hunting seasons as determined from Waterfowl Parts Collection Survey.

State and Flyway	Immatures per adult ^a				
	2010	2011	2012	2013	2014
Colorado	0.9	1.6	0.9	1.0	1.1
Kansas	1.3	1.2	0.7	0.9	1.1
Montana	1.0	1.0	1.1	1.6	1.3
Nebraska	1.3	1.2	1.0	1.1	1.5
New Mexico	1.5	1.5	1.3	1.2	1.9
North Dakota	2.4	3.7	3.2	2.6	3.2
Oklahoma	0.6	0.7	0.4	0.6	0.7
South Dakota	2.5	2.9	2.4	1.9	2.3
Texas	0.9	0.9	0.7	0.8	1.0
Wyoming	1.3	1.6	1.1	0.8	0.8
Central Flyway Total ^b	1.29	1.52	1.17	1.19	1.43
Arizona	1.4	2.4	1.7	1.3	1.6
California	2.2	2.7	1.5	1.4	1.3
Colorado	1.1	1.8	1.4	1.6	2.9
Idaho	1.3	2.0	1.0	1.0	1.1
Montana	1.2	2.2	1.0	1.2	0.9
Nevada	3.2	3.7	1.3	1.3	1.7
New Mexico	0.7	---	---	0.9	1.8
Oregon	1.5	2.1	1.5	1.3	1.5
Utah	1.3	2.6	1.5	1.2	1.7
Washington	1.4	2.0	1.4	1.6	1.2
Wyoming	1.6	2.7	2.1	4.6	3.9
Pacific Flyway Total ^b	1.63	2.28	1.35	1.25	1.25
Alaska	3.2	4.0	3.8	2.4	3.7
U.S. Total ^b	1.53	1.85	1.46	1.28	1.50

^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 weighed 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 2010-2014 hunting seasons, by species and flyway.

Species and Flyway	Immatures per adult ^{a, b}				
	2010	2011	2012	2013	2014
Mallard					
Atlantic	1.30	1.24	1.38	1.37	1.33
Mississippi	1.59	1.91	1.68	1.31	1.66
Central	1.29	1.52	1.17	1.19	1.43
Pacific	1.63	2.28	1.35	1.25	1.25
U.S. Total	1.53	1.85	1.46	1.28	1.50
Black duck					
Atlantic	1.43	1.23	1.44	1.43	1.07
Mississippi	2.24	1.38	1.56	2.00	1.30
U.S. Total	1.58	1.27	1.47	1.56	1.12
Mottled duck					
Atlantic	0.69	1.20	0.80	2.45	1.12
Mississippi	1.40	3.16	1.00	2.80	0.94
Central	1.93	0.24	2.54	---	2.71
U.S. Total	1.29	1.56	1.17	2.46	1.09
Gadwall					
Atlantic	1.82	2.61	1.13	1.48	1.68
Mississippi	1.72	1.82	1.21	1.25	1.32
Central	1.68	1.38	0.95	1.25	1.29
Pacific	1.34	1.46	0.84	1.13	1.32
U.S. Total	1.66	1.68	1.10	1.25	1.33
American wigeon					
Atlantic	1.79	1.43	0.99	1.03	0.68
Mississippi	1.69	1.97	1.38	1.27	1.70
Central	1.11	0.76	0.73	0.84	0.95
Pacific	1.34	1.76	1.21	1.52	1.58
U.S. Total	1.41	1.48	1.08	1.24	1.35
Green-winged teal					
Atlantic	1.95	1.97	2.05	1.77	1.68
Mississippi	1.61	2.00	1.60	1.80	1.48
Central	1.68	1.81	1.39	1.71	1.53
Pacific	0.87	1.28	0.93	1.35	1.30
U.S. Total	1.39	1.75	1.36	1.66	1.46
Blue-winged/Cinnamon teal					
Atlantic	0.97	1.97	1.25	0.98	0.85
Mississippi	1.71	1.59	1.29	1.49	1.16
Central	1.57	2.36	1.85	2.19	1.46
Pacific	0.94	1.34	1.14	1.68	1.19
U.S. Total	1.52	1.79	1.39	1.62	1.24

Table 9 (continued). Preliminary weighted age ratios of ducks harvested during the 2010-2014 hunting seasons, by species and flyway.

Species and Flyway	Immatures per adult ^{a, b}				
	2010	2011	2012	2013	2014
Northern shoveler					
Atlantic	1.98	3.17	1.10	1.84	1.22
Mississippi	1.57	1.89	1.10	1.69	1.61
Central	2.28	2.05	1.14	2.38	1.83
Pacific	1.51	2.21	0.79	1.29	1.35
U.S. Total	1.66	2.07	0.97	1.67	1.54
Northern pintail					
Atlantic	1.77	1.30	0.94	1.18	1.08
Mississippi	2.03	1.67	0.89	1.71	1.11
Central	1.31	0.90	0.79	1.06	1.13
Pacific	1.24	1.44	0.71	0.98	1.10
U.S. Total	1.46	1.35	0.78	1.21	1.12
Wood duck					
Atlantic	1.20	0.90	1.09	1.45	1.33
Mississippi	1.78	1.22	1.25	1.45	2.04
Central	1.42	1.09	0.97	1.11	1.13
Pacific	1.43	1.69	1.36	1.23	1.96
U.S. Total	1.54	1.12	1.19	1.43	1.69
Redhead					
Atlantic	1.93	2.30	0.92	1.46	1.94
Mississippi	6.54	4.51	2.29	2.92	2.88
Central	3.47	2.15	1.51	2.25	3.19
Pacific	1.27	2.46	1.12	1.82	1.39
U.S. Total	3.69	3.03	1.62	2.32	2.80
Canvasback					
Atlantic	0.58	1.24	0.45	0.80	1.72
Mississippi	1.83	1.63	0.88	1.20	2.70
Central	2.48	2.11	0.73	1.19	2.10
Pacific	1.37	2.82	0.90	1.57	1.68
U.S. Total	1.51	1.91	0.83	1.24	2.17
Greater scaup					
Atlantic	0.57	0.86	0.79	1.85	1.15
Mississippi	1.15	2.01	0.98	1.09	1.53
Central	---	---	---	---	---
Pacific	0.64	0.48	1.06	1.52	1.21
U.S. Total	0.80	1.22	0.95	1.38	1.45

Table 9 (continued). Preliminary weighted age ratios of ducks harvested during the 2010-2014 hunting seasons, by species and flyway.

Species and Flyway	Immatures per adult ^{a, b}				
	2010	2011	2012	2013	2014
Lesser scaup					
Atlantic	0.80	1.18	0.46	0.58	0.83
Mississippi	1.54	1.55	0.66	1.15	0.86
Central	1.23	1.29	1.09	2.22	0.78
Pacific	1.07	1.29	2.07	1.41	1.82
U.S. Total	1.24	1.39	0.74	1.14	0.91
Ring-necked duck					
Atlantic	1.45	1.54	1.53	1.86	1.59
Mississippi	2.37	2.15	1.97	2.21	2.40
Central	1.09	1.42	1.03	1.49	1.24
Pacific	1.75	1.90	2.17	1.61	2.14
U.S. Total	1.85	1.81	1.71	1.93	1.91
Common goldeneye					
Atlantic	0.80	0.58	0.57	0.74	0.88
Mississippi	0.94	1.39	1.06	1.26	1.41
Central	0.84	0.98	1.24	1.23	0.81
Pacific	0.83	1.16	1.11	0.91	0.64
U.S. Total	0.88	1.14	1.01	1.05	0.96
Bufflehead					
Atlantic	0.62	0.97	1.02	1.21	1.15
Mississippi	0.94	1.49	0.96	0.80	2.05
Central	0.45	0.94	0.81	0.62	0.76
Pacific	1.02	1.31	1.18	0.73	1.10
U.S. Total	0.77	1.19	1.01	0.90	1.33
Ruddy duck					
Atlantic	0.63	2.64	1.39	1.50	2.36
Mississippi	0.89	2.62	1.61	2.51	1.22
Central	2.85	1.99	1.40	2.57	2.07
Pacific	1.92	4.13	1.00	1.62	1.43
U.S. Total	1.16	2.68	1.37	1.84	1.64
Hooded merganser					
Atlantic	0.77	0.66	0.52	0.73	1.29
Mississippi	1.09	1.06	0.60	1.22	2.18
Central	0.75	0.83	0.66	0.65	1.59
Pacific	3.83	1.74	1.17	0.95	1.20
U.S. Total	1.00	0.93	0.61	0.92	1.74

Table 9 (continued). Preliminary weighted age ratios of ducks harvested during the 2010-2014 hunting seasons, by species and flyway.

Species and Flyway	Immatures per adult ^{a, b}				
	2010	2011	2012	2013	2014
Common merganser					
Atlantic	1.51	1.62	1.39	1.28	1.33
Mississippi	---	0.78	---	2.26	1.31
Central	---	---	---	---	---
Pacific	1.03	1.86	0.39	0.90	1.06
U.S. Total	1.25	1.22	0.86	1.31	1.28
Red-breasted merganser					
Atlantic	1.27	1.17	0.56	1.38	2.76
Mississippi	---	0.40	2.08	1.92	1.69
U.S. Total	1.33	0.89	1.01	1.72	1.96
Long-tailed duck					
Atlantic	0.77	0.34	1.03	1.52	0.40
Mississippi	1.98	0.90	0.10	0.64	---
U.S. Total	1.04	0.54	0.71	1.04	0.61
Common eider					
Atlantic	0.30	0.21	0.38	0.18	0.29
U.S. Total	0.30	0.21	0.38	0.18	0.31
Black scoter					
Atlantic	0.66	0.59	0.67	1.27	0.30
U.S. Total	0.68	0.62	0.73	1.32	0.56
White-winged scoter					
Atlantic	0.76	2.02	---	2.07	0.40
Pacific	---	0.49	---	---	---
U.S. Total	1.18	1.91	3.73	2.17	2.11
Surf scoter					
Atlantic	0.60	0.58	3.68	0.47	0.31
Pacific	---	0.51	0.25	0.65	0.88
U.S. Total	1.08	0.71	2.52	0.55	0.50

^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 weighed in proportion to the estimated harvest in that state as determined from the Harvest Information Program Waterfowl Harvest Survey.

Table 10. Preliminary weighted sex ratios of mallards in state harvests during the 2010-2014 hunting seasons as determined from Waterfowl Parts Collection Survey.

State and Flyway	Males per female ^a				
	2010	2011	2012	2013	2014
Connecticut	2.2	1.7	2.3	2.2	1.8
Delaware	2.0	1.7	1.8	1.8	1.6
Florida	---	---	---	---	---
Georgia	1.3	2.1	1.7	1.9	2.1
Maine	1.2	1.5	1.2	1.7	1.4
Maryland	2.4	2.5	2.7	2.5	1.6
Massachusetts	1.6	1.6	2.0	1.9	2.1
New Hampshire	1.6	1.8	1.7	1.5	1.4
New Jersey	1.7	2.5	1.7	1.6	1.6
New York	1.8	1.7	1.9	1.9	1.8
North Carolina	1.6	1.9	2.0	1.4	1.2
Pennsylvania	2.2	2.2	1.8	2.1	1.8
Rhode Island	2.3	1.8	---	2.2	1.2
South Carolina	2.0	2.3	1.2	2.1	2.5
Vermont	1.4	1.5	2.0	1.7	1.7
Virginia	2.1	2.2	1.9	1.6	1.6
West Virginia	1.8	1.6	1.5	2.1	1.9
Atlantic Flyway Total ^b	1.84	1.95	1.83	1.87	1.67
Alabama	1.7	2.3	0.9	2.9	1.7
Arkansas	2.3	2.4	2.3	2.6	2.2
Illinois	2.1	2.6	1.8	2.5	1.8
Indiana	2.3	2.4	2.5	2.0	2.3
Iowa	2.5	2.2	2.4	2.6	2.0
Kentucky	2.5	2.0	2.5	1.9	2.3
Louisiana	1.9	1.2	1.7	1.5	1.8
Michigan	2.0	2.0	2.1	2.5	1.4
Minnesota	1.9	1.4	1.8	1.4	1.3
Mississippi	2.1	2.1	2.3	3.0	3.3
Missouri	3.1	2.3	2.9	2.6	2.7
Ohio	3.0	2.6	2.3	3.0	2.8
Tennessee	1.6	2.1	2.8	2.2	2.3
Wisconsin	2.2	2.2	2.0	2.1	1.8
Mississippi Flyway Total ^b	2.20	2.12	2.16	2.26	2.04

Table 10 (continued). Preliminary weighted sex ratios of mallards in state harvests during the 2010-2014 hunting seasons as determined from Waterfowl Parts Collection Survey.

State and Flyway	Males per female ^a				
	2010	2011	2012	2013	2014
Colorado	2.6	2.7	3.0	3.2	3.8
Kansas	4.0	3.9	4.2	4.7	5.5
Montana	3.7	3.3	3.2	4.9	3.7
Nebraska	3.4	4.9	3.2	4.3	4.2
New Mexico	4.3	3.1	6.0	3.8	2.1
North Dakota	2.2	2.4	2.3	2.2	2.3
Oklahoma	3.8	3.0	3.2	3.7	3.6
South Dakota	3.4	3.0	2.5	3.1	4.0
Texas	2.3	2.6	2.2	1.8	1.7
Wyoming	4.0	2.9	2.8	2.5	3.5
Central Flyway Total ^b	3.04	3.03	2.77	3.03	3.12
Arizona	1.6	1.2	1.5	1.6	1.7
California	2.2	2.1	2.2	2.5	2.5
Colorado	2.9	2.7	2.1	2.6	2.2
Idaho	3.1	2.6	3.1	2.9	2.9
Montana	3.4	3.4	1.9	2.7	2.8
Nevada	2.0	1.8	1.3	1.4	1.8
New Mexico	3.1	---	---	1.4	2.3
Oregon	1.8	2.0	2.0	2.3	2.4
Utah	2.9	2.4	2.1	2.1	1.7
Washington	2.2	2.1	2.0	1.9	2.2
Wyoming	2.4	1.6	1.6	2.1	1.5
Pacific Flyway Total ^b	2.30	2.17	2.22	2.38	2.39
Alaska	1.4	1.4	1.4	1.3	1.2
U.S. Total ^b	2.27	2.24	2.24	2.37	2.25

^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 weighed 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 2010-2014 hunting seasons, by species and flyway.

Species and Flyway	Males per female ^a				
	2010	2011	2012	2013	2014
Mallard					
Atlantic	1.84	1.95	1.83	1.87	1.67
Mississippi	2.20	2.12	2.16	2.26	2.04
Central	3.04	3.03	2.77	3.03	3.12
Pacific	2.30	2.17	2.22	2.38	2.39
U.S. Total	2.27	2.24	2.24	2.37	2.25
Black duck					
Atlantic	1.04	1.02	1.05	1.01	1.10
Mississippi	0.67	1.70	1.11	1.32	1.00
U.S. Total	0.94	1.16	1.06	1.08	1.08
Mottled duck					
Atlantic	0.82	1.18	1.21	1.34	1.09
Mississippi	1.18	0.78	1.10	1.38	1.07
Central	0.96	1.14	1.71	---	0.63
U.S. Total	1.07	0.91	1.22	1.31	1.01
Gadwall					
Atlantic	1.77	1.15	1.33	1.90	2.17
Mississippi	1.73	1.60	1.67	1.47	1.68
Central	1.69	1.58	1.59	1.64	1.67
Pacific	1.69	1.52	1.48	1.66	1.78
U.S. Total	1.72	1.57	1.62	1.55	1.71
American wigeon					
Atlantic	1.39	1.14	1.39	1.88	2.43
Mississippi	1.85	1.52	1.63	1.42	1.19
Central	1.85	1.90	1.99	1.94	1.73
Pacific	1.62	1.41	1.48	1.54	1.57
U.S. Total	1.66	1.49	1.62	1.63	1.57
Green-winged teal					
Atlantic	1.14	1.35	1.28	1.21	1.39
Mississippi	2.01	1.73	1.69	1.66	1.89
Central	1.82	2.16	2.15	1.73	1.96
Pacific	1.83	1.65	1.84	1.68	1.84
U.S. Total	1.84	1.74	1.78	1.64	1.84
Blue-winged/Cinnamon teal					
Atlantic	1.55	1.20	1.18	1.51	1.66
Mississippi	1.51	1.58	1.46	1.68	1.79
Central	1.58	1.53	1.38	1.47	1.63
Pacific	1.72	1.04	1.47	1.26	1.22
U.S. Total	1.54	1.49	1.42	1.60	1.70

Table 11 (continued). Preliminary weighted sex ratios of ducks harvested during the 2010-2014 hunting seasons, by species and flyway.

Species and Flyway	Males per female ^a				
	2010	2011	2012	2013	2014
Northern shoveler					
Atlantic	1.32	1.52	1.50	1.44	1.84
Mississippi	1.71	1.43	1.69	1.62	1.67
Central	1.35	1.41	1.48	1.30	1.74
Pacific	1.70	1.18	1.68	1.43	1.55
U.S. Total	1.63	1.33	1.64	1.47	1.65
Northern pintail					
Atlantic	2.43	1.78	1.13	2.36	2.02
Mississippi	2.11	1.83	2.35	2.19	2.12
Central	2.35	2.24	2.51	2.12	2.34
Pacific	2.69	2.30	2.46	2.47	2.45
U.S. Total	2.40	2.12	2.39	2.25	2.30
Wood duck					
Atlantic	2.17	1.92	1.96	1.91	1.91
Mississippi	1.86	1.98	1.83	1.93	1.81
Central	2.05	2.15	2.09	2.20	2.27
Pacific	1.77	1.64	1.88	1.58	2.09
U.S. Total	1.95	1.96	1.88	1.92	1.87
Redhead					
Atlantic	1.09	0.58	1.51	1.79	1.21
Mississippi	1.14	1.22	1.84	1.69	1.50
Central	1.38	1.50	1.50	1.62	1.61
Pacific	1.16	1.68	1.41	1.57	1.83
U.S. Total	1.22	1.33	1.60	1.66	1.54
Canvasback					
Atlantic	1.97	1.37	3.55	1.37	0.71
Mississippi	1.72	0.99	1.12	1.22	1.32
Central	1.16	0.74	1.40	1.42	1.49
Pacific	1.03	0.91	1.17	1.16	1.02
U.S. Total	1.49	0.90	1.24	1.25	1.25
Greater scaup					
Atlantic	1.38	1.06	1.15	1.41	0.92
Mississippi	0.73	1.18	0.89	0.94	0.97
Central	---	---	---	---	---
Pacific	1.61	2.14	1.33	1.98	1.30
U.S. Total	1.16	1.26	1.06	1.15	1.07

Table 11 (continued). Preliminary weighted sex ratios of ducks harvested during the 2010-2014 hunting seasons, by species and flyway.

Species and Flyway	Males per female ^a				
	2010	2011	2012	2013	2014
Lesser scaup					
Atlantic	2.32	2.24	3.58	2.87	2.66
Mississippi	1.37	2.03	2.55	1.35	2.18
Central	1.47	1.23	2.11	1.84	1.88
Pacific	1.06	1.07	1.42	1.38	1.38
U.S. Total	1.52	1.74	2.49	1.70	2.05
Ring-necked duck					
Atlantic	1.18	1.11	1.55	1.65	1.35
Mississippi	2.21	2.06	1.83	1.64	1.58
Central	1.94	3.02	3.35	2.24	1.98
Pacific	1.46	1.87	1.88	1.56	1.76
U.S. Total	1.82	1.79	1.87	1.70	1.60
Common goldeneye					
Atlantic	1.35	2.58	1.94	2.24	0.88
Mississippi	1.75	1.40	1.18	0.73	1.27
Central	1.09	1.07	2.09	1.35	1.32
Pacific	1.33	1.42	1.71	1.88	2.13
U.S. Total	1.44	1.48	1.59	1.31	1.46
Bufflehead					
Atlantic	1.74	1.90	1.37	1.67	1.76
Mississippi	1.55	1.41	1.97	1.62	1.33
Central	1.47	1.96	1.23	2.25	1.42
Pacific	1.04	1.23	1.02	1.21	1.47
U.S. Total	1.52	1.59	1.41	1.60	1.51
Hooded merganser					
Atlantic	3.04	2.43	2.43	2.07	3.37
Mississippi	2.82	1.54	1.60	3.03	2.25
Central	5.40	1.77	5.42	1.24	2.44
Pacific	---	1.99	3.17	---	4.20
U.S. Total	3.00	1.86	2.10	2.20	2.63
Common merganser					
Atlantic	0.73	1.12	1.22	0.86	0.86
Mississippi	---	---	---	---	0.81
Central	---	---	---	---	---
Pacific	0.88	1.34	1.20	0.82	0.65
U.S. Total	0.70	1.07	1.27	0.81	0.76

^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 weighed 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 2010-2014 hunting seasons, by species and flyway.

Species and Flyway	Immatures per adult ^{a, b}				
	2010	2011	2012	2013	2014
Canada goose					
Atlantic	0.63	0.34	0.46	0.47	0.36
Mississippi	0.55	0.52	0.40	0.39	0.37
Central	0.60	0.64	0.56	0.36	0.47
Pacific	0.45	0.50	0.45	0.60	0.59
U.S. Total	0.57	0.49	0.46	0.42	0.42
Snow goose					
Atlantic	0.44	0.77	0.33	0.50	1.32
Mississippi	0.30	0.62	0.22	0.99	0.45
Central	0.42	0.31	0.37	0.23	0.48
Pacific	0.59	0.84	0.74	0.35	0.49
U.S. Total	0.44	0.52	0.40	0.43	0.52
Blue goose					
Mississippi	0.54	0.64	0.36	0.64	0.27
Central	0.59	0.89	0.51	0.46	0.74
U.S. Total	0.57	0.75	0.46	0.56	0.53
Ross' goose					
Mississippi	---	---	---	---	---
Central	0.93	1.22	0.89	1.06	0.85
Pacific	0.19	0.31	0.15	0.36	0.32
U.S. Total	0.60	0.74	0.56	0.79	0.86
Greater white-fronted goose					
Mississippi	0.46	1.06	0.35	0.48	0.52
Central	0.70	0.87	0.70	0.76	0.67
Pacific	0.94	0.71	0.77	0.43	0.52
U.S. Total	0.66	0.87	0.56	0.53	0.58
Brant					
Atlantic	0.52	0.68	0.27	0.05	0.26
Pacific	0.51	1.01	0.39	0.12	0.53
U.S. Total	0.44	0.70	0.28	0.08	0.30

^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 weighed in proportion to the estimated harvest in that state as determined from the Harvest Information Program Waterfowl Harvest Survey.

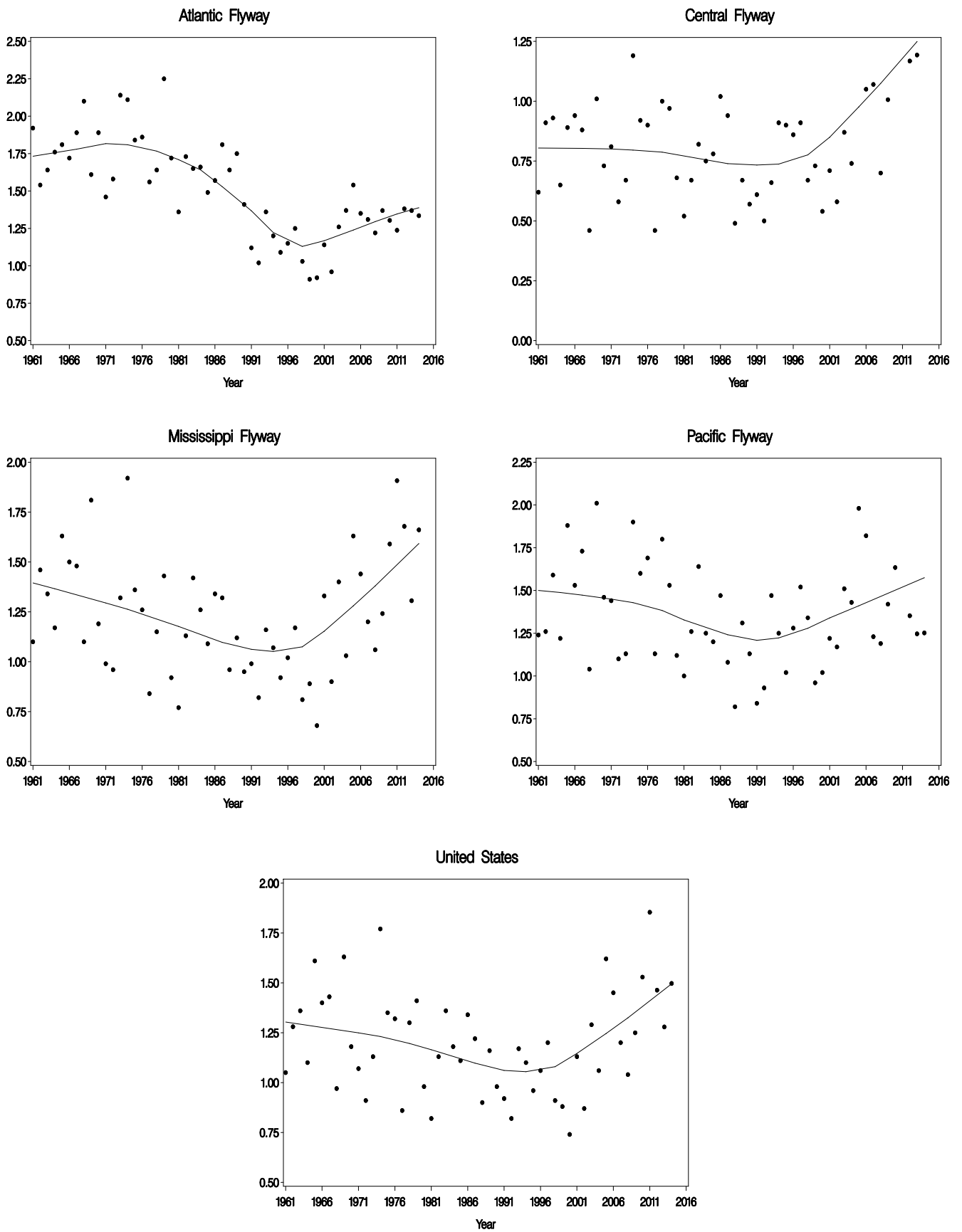


Figure 3. Age ratios of mallards harvested in the United States, 1961-2014.

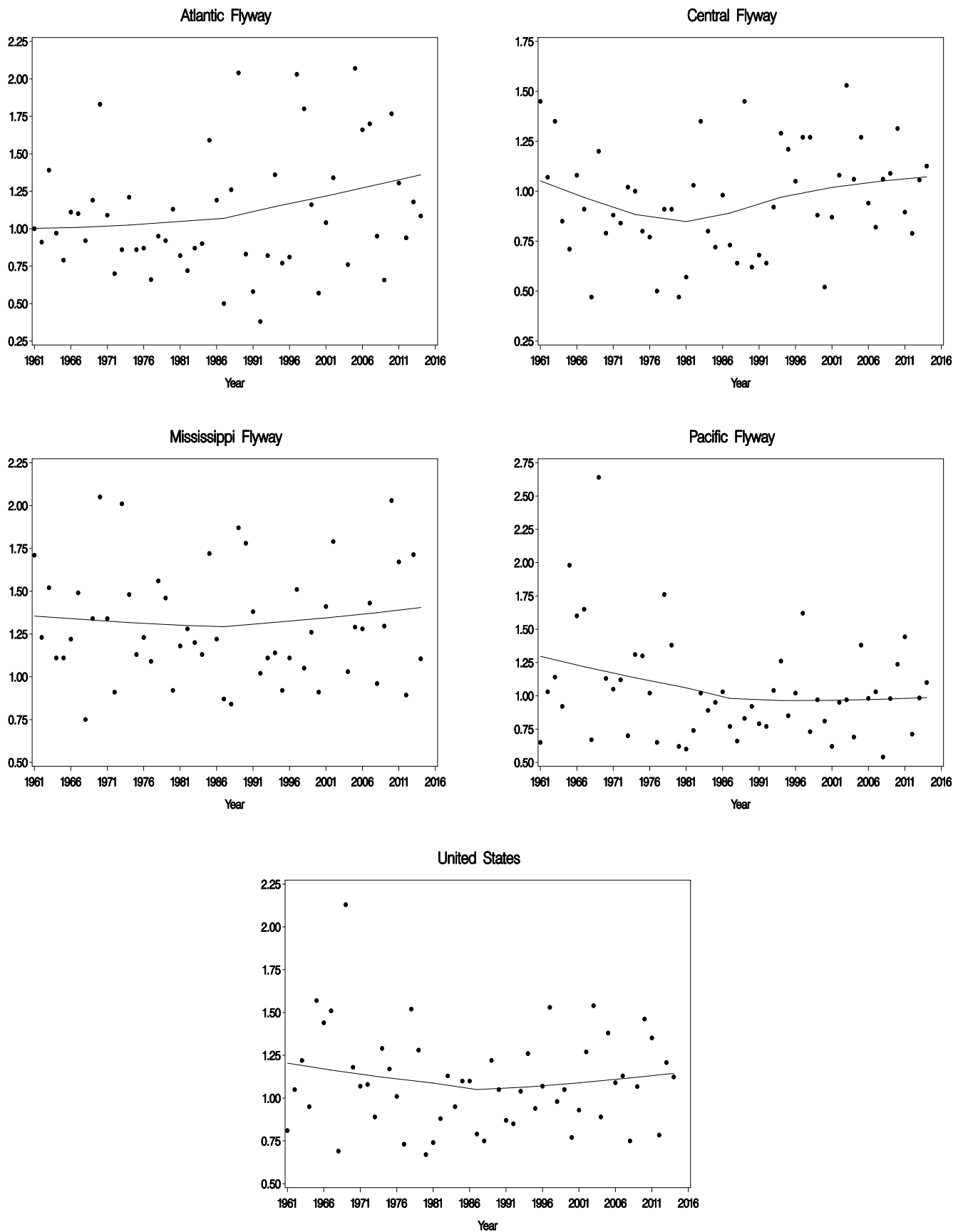
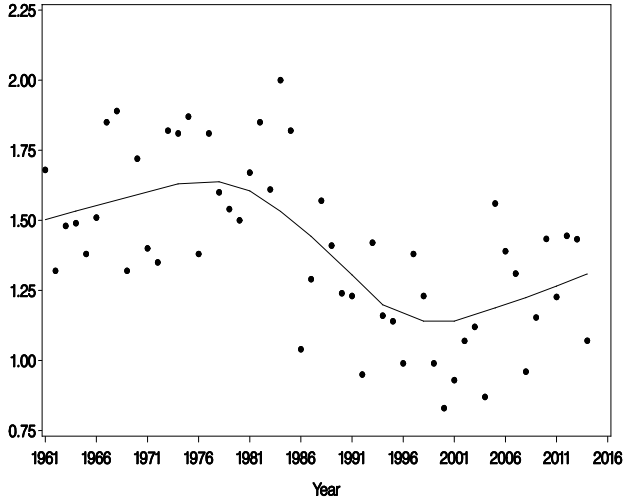
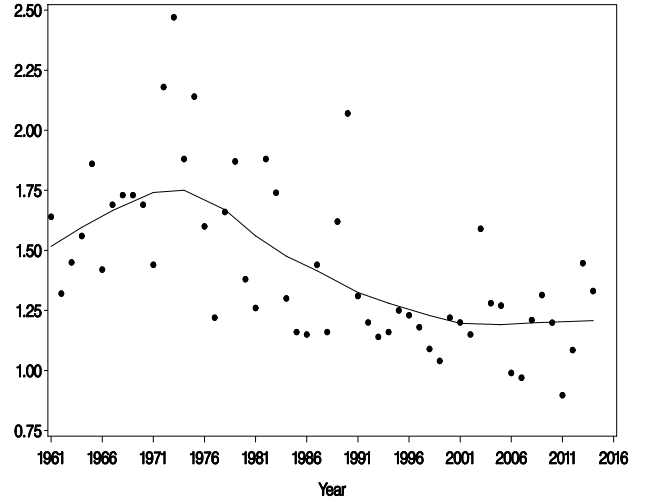


Figure 4. Age ratios of northern pintails harvested in the United States, 1961-2014.

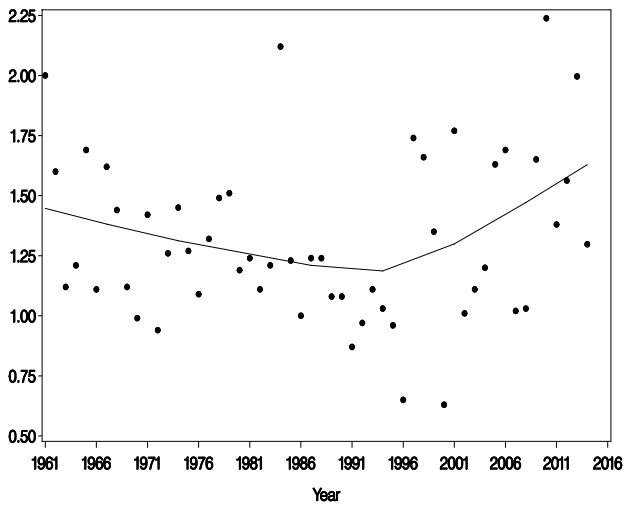
American black ducks



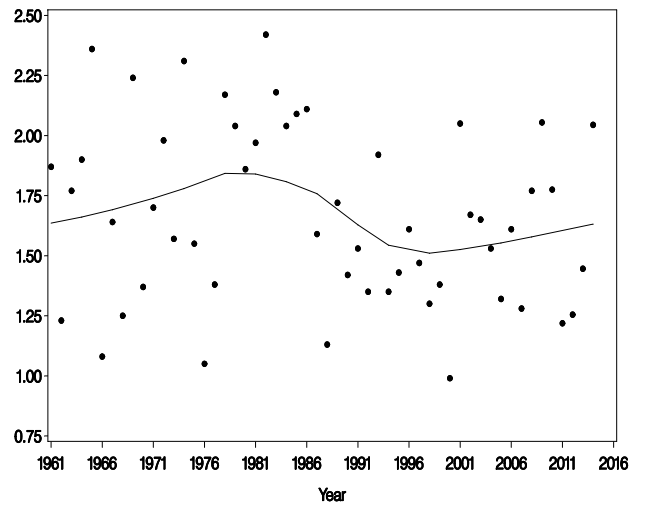
Wood ducks



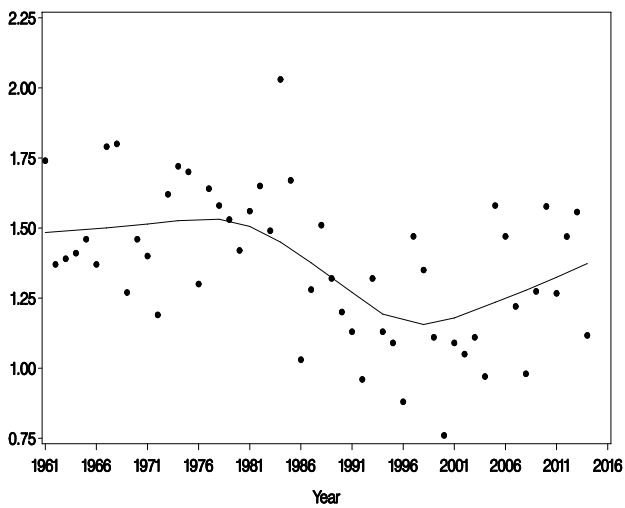
Mississippi Flyway



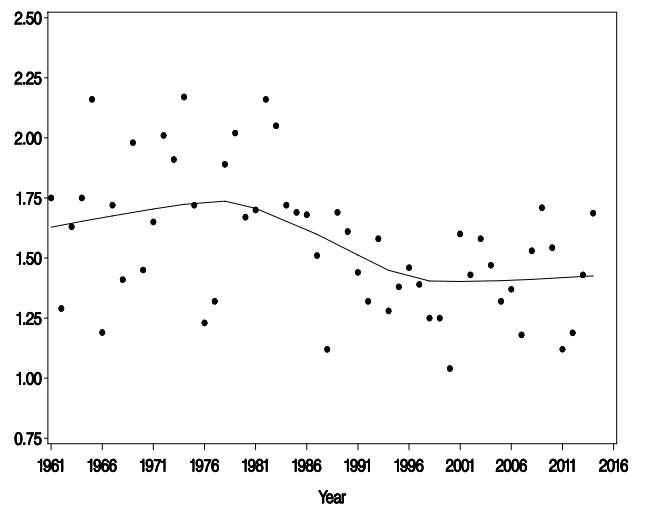
Mississippi Flyway



United States



United States



Age ratios of American black ducks (left column) and wood ducks (right column) harvested in the United States, 19

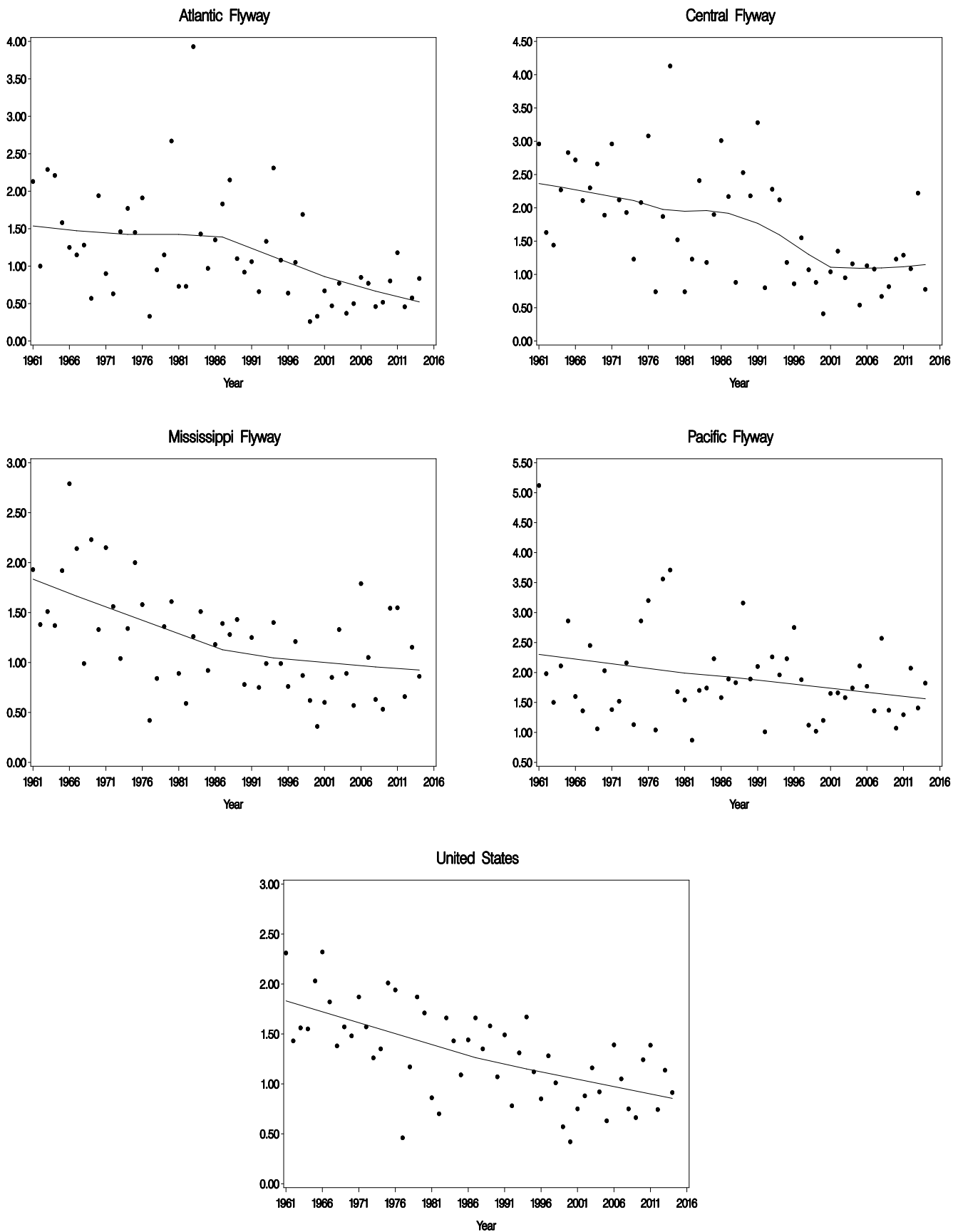


Figure 6. Age ratios of lesser scaup harvested in the United States, 1961-2014.

Table 13. Preliminary estimates of mourning dove harvest and hunter activity during the 2013 and 2014 hunting seasons ¹.

State and Management Unit	Mourning Dove Harvest		Active Hunters ²		Mourning Dove Days A field		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Alabama	634,200 ± 15%	467,200 ± 17%	36,800 ± 11%	30,600 ± 12%	91,400 ± 27%	65,900 ± 14%	17.2 ± 19%	15.3 ± 21%
Delaware	33,100 ± 57%	13,600 ± 67%	1,800 ± 42%	1,100 ± 52%	4,500 ± 48%	2,400 ± 65%	18.1 ± 71%	12.8 ± 85%
Florida	200,700 ± 56%	155,400 ± 27%	10,900 ± 36%	9,300 ± 33%	31,900 ± 35%	28,000 ± 27%	18.4 ± 66%	16.7 ± 42%
Georgia	851,600 ± 46%	661,600 ± 14%	47,600 ± 22%	39,700 ± 13%	125,000 ± 35%	94,000 ± 14%	17.9 ± 51%	16.7 ± 19%
Illinois	426,600 ± 23%	380,800 ± 25%	24,400 ± 18%	20,200 ± 16%	67,200 ± 23%	56,600 ± 21%	17.5 ± 29%	18.9 ± 30%
Indiana	160,100 ± 20%	147,500 ± 38%	7,700 ± 21%	7,300 ± 18%	24,400 ± 18%	24,800 ± 32%	20.8 ± 29%	20.1 ± 42%
Kentucky	632,900 ± 30%	255,000 ± 62%	29,500 ± 33%	14,200 ± 48%	82,300 ± 36%	33,200 ± 53%	21.5 ± 45%	17.9 ± 78%
Louisiana	625,400 ± 62%	172,200 ± 48%	24,800 ± 56%	15,200 ± 33%	74,700 ± 61%	38,300 ± 48%	25.2 ± 83%	11.4 ± 58%
Maryland	85,000 ± 22%	86,500 ± 25%	6,000 ± 22%	6,000 ± 21%	16,500 ± 30%	14,400 ± 22%	14.2 ± 32%	14.5 ± 33%
Mississippi	336,200 ± 24%	293,400 ± 25%	17,200 ± 15%	13,800 ± 16%	40,500 ± 22%	39,600 ± 26%	19.5 ± 29%	21.2 ± 30%
North Carolina	555,200 ± 24%	626,100 ± 27%	43,500 ± 18%	39,800 ± 19%	93,800 ± 20%	90,600 ± 21%	12.8 ± 30%	15.7 ± 33%
Ohio	371,600 ± 29%	168,800 ± 24%	19,900 ± 17%	12,000 ± 19%	65,600 ± 23%	37,100 ± 20%	18.6 ± 33%	14.0 ± 30%
Pennsylvania	250,700 ± 61%	147,200 ± 27%	17,700 ± 24%	19,700 ± 24%	60,300 ± 31%	57,600 ± 24%	14.2 ± 66%	7.5 ± 36%
Rhode Island	1,300 ± 122%	1,200 ± 166%	200 ± 55%	100 ± 80%	500 ± 54%	400 ± 94%	6.9 ± 134%	13.0 ± 184%
South Carolina	372,200 ± 32%	681,500 ± 28%	20,400 ± 25%	30,000 ± 18%	68,800 ± 30%	87,700 ± 28%	18.2 ± 41%	22.7 ± 34%
Tennessee	474,500 ± 29%	413,000 ± 27%	27,400 ± 19%	27,600 ± 20%	64,200 ± 26%	59,400 ± 24%	17.4 ± 35%	15.0 ± 33%
Virginia	251,500 ± 19%	160,700 ± 13%	16,900 ± 14%	15,600 ± 15%	40,600 ± 17%	36,000 ± 24%	14.8 ± 24%	10.3 ± 20%
West Virginia	15,000 ± 38%	7,000 ± 54%	1,300 ± 28%	500 ± 35%	2,300 ± 34%	1,300 ± 48%	11.5 ± 47%	13.5 ± 64%
Wisconsin	72,800 ± 35%	51,100 ± 27%	9,000 ± 31%	7,500 ± 29%	33,600 ± 34%	23,500 ± 30%	8.1 ± 47%	6.8 ± 40%
Eastern Unit Total	6,350,600 ± 11%	4,889,800 ± 8%	363,100	310,200	987,900 ± 9%	791,300 ± 7%		
Arkansas	155,900 ± 46%	347,900 ± 29%	8,900 ± 41%	19,900 ± 20%	30,100 ± 57%	47,900 ± 28%	17.5 ± 62%	17.5 ± 36%
Colorado	176,900 ± 25%	173,100 ± 19%	15,600 ± 15%	14,400 ± 14%	36,900 ± 19%	27,800 ± 16%	11.3 ± 29%	12.0 ± 24%
Iowa	214,300 ± 16%	130,000 ± 13%	12,900 ± 9%	9,200 ± 9%	49,400 ± 14%	27,100 ± 12%	16.6 ± 18%	14.2 ± 16%
Kansas	504,400 ± 18%	485,300 ± 18%	31,900 ± 12%	26,200 ± 11%	93,000 ± 16%	70,700 ± 14%	15.8 ± 22%	18.5 ± 21%
Minnesota	53,500 ± 30%	54,800 ± 29%	7,700 ± 55%	6,900 ± 51%	17,000 ± 40%	20,200 ± 59%	7.0 ± 62%	8.0 ± 58%
Missouri	587,600 ± 28%	374,200 ± 17%	36,400 ± 11%	24,100 ± 12%	104,500 ± 18%	62,200 ± 15%	16.2 ± 30%	15.5 ± 21%
Montana	12,000 ± 41%	8,500 ± 37%	1,700 ± 46%	1,400 ± 40%	2,900 ± 41%	2,900 ± 44%	7.1 ± 62%	6.0 ± 54%
Nebraska	239,800 ± 24%	172,900 ± 15%	13,500 ± 15%	9,700 ± 13%	39,300 ± 19%	26,700 ± 13%	17.7 ± 28%	17.7 ± 20%
New Mexico	123,000 ± 15%	115,200 ± 15%	6,500 ± 10%	7,600 ± 10%	23,700 ± 13%	24,100 ± 15%	18.9 ± 18%	15.1 ± 18%
North Dakota	88,200 ± 37%	47,600 ± 22%	6,300 ± 29%	3,900 ± 26%	16,400 ± 28%	11,900 ± 30%	14.1 ± 47%	12.2 ± 34%
Oklahoma	421,200 ± 25%	417,900 ± 21%	23,300 ± 14%	19,100 ± 14%	69,400 ± 24%	56,900 ± 24%	18.1 ± 28%	21.9 ± 25%
South Dakota	118,300 ± 31%	106,800 ± 25%	6,200 ± 22%	6,400 ± 20%	17,500 ± 26%	17,500 ± 23%	19.0 ± 38%	16.7 ± 32%
Texas	3,506,700 ± 18%	5,199,400 ± 14%	178,900 ± 13%	276,800 ± 10%	677,900 ± 16%	934,300 ± 13%	19.6 ± 22%	18.8 ± 17%
Wyoming	34,200 ± 19%	21,100 ± 25%	3,100 ± 17%	1,500 ± 22%	7,200 ± 20%	3,500 ± 22%	10.9 ± 26%	13.6 ± 33%
Central Unit Total	6,236,000 ± 11%	7,654,700 ± 10%	353,000	427,100	1,185,300 ± 10%	1,333,600 ± 9%		
Arizona	774,800 ± 18%	370,000 ± 10%	36,300 ± 16%	24,200 ± 7%	134,300 ± 21%	65,600 ± 9%	21.3 ± 24%	15.3 ± 12%
California	828,300 ± 11%	677,100 ± 13%	63,600 ± 8%	52,600 ± 9%	163,200 ± 9%	136,000 ± 13%	13.0 ± 13%	12.9 ± 16%
Idaho	157,300 ± 42%	111,000 ± 28%	13,300 ± 21%	9,900 ± 19%	39,100 ± 32%	25,700 ± 24%	11.9 ± 47%	11.2 ± 34%
Nevada	31,900 ± 30%	24,800 ± 29%	3,800 ± 24%	2,700 ± 21%	9,900 ± 31%	6,600 ± 26%	8.4 ± 39%	9.1 ± 36%
Oregon	28,400 ± 43%	19,600 ± 31%	3,400 ± 35%	3,600 ± 30%	10,500 ± 43%	8,800 ± 36%	8.3 ± 55%	5.5 ± 43%
Utah	80,200 ± 80%	34,000 ± 25%	16,000 ± 33%	5,800 ± 19%	31,200 ± 45%	12,200 ± 32%	5.0 ± 87%	5.9 ± 31%
Washington	42,500 ± 41%	28,400 ± 28%	4,800 ± 29%	3,400 ± 23%	11,500 ± 43%	6,900 ± 25%	8.8 ± 50%	8.3 ± 36%
Western Unit Total	1,943,300 ± 10%	1,265,000 ± 8%	141,200	102,300	399,800 ± 9%	261,800 ± 8%		
U.S. Total	14,529,800 ± 7%	13,809,500 ± 6%	857,300	839,600	2,572,900 ± 6%	2,386,700 ± 6%		

¹ Variance estimates presented as 95% confidence interval as percent of the point estimate.

² Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.

Table 14. Preliminary estimates of white-winged dove harvest and hunter activity during the 2013 and 2014 hunting seasons¹.

State and Management Unit	White-winged Dove Harvest		Active Hunters ²		White-winged Dove Days Afield		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Alabama	4,900 ± 67%	3,700 ± 87%	1,700 ± 66%	1,200 ± 61%	5,000 ± 63%	3,000 ± 71%	2.9 ± 94%	3.1 ± 106%
Delaware	0	0	0	0	0	0	0	0
Florida	19,500 ± 50%	8,300 ± 105%	3,900 ± 70%	3,000 ± 75%	14,500 ± 69%	6,500 ± 62%	5.0 ± 86%	2.8 ± 129%
Georgia	4,300 ± 187%	1,800 ± 101%	1,600 ± 172%	1,100 ± 84%	4,300 ± 187%	2,100 ± 71%	2.7 ± 253%	1.6 ± 131%
Louisiana	0	12,500 ± 124%	0	3,100 ± 75%	0	13,900 ± 110%	0	4.0 ± 145%
Maryland	0	0	0	0	0	0	0	0
Mississippi	1,700 ± 110%	1,500 ± 125%	600 ± 104%	400 ± 75%	1,300 ± 93%	1,300 ± 81%	2.9 ± 151%	3.5 ± 146%
North Carolina	0	0	0	0	0	0	0	0
Pennsylvania	0	100 ± 194%	0	700 ± 147%	0	2,100 ± 152%	0	0.1 ± 244%
Rhode Island	0	0	0	0	0	0	0	0
South Carolina	<50 ± 194%	300 ± 118%	600 ± 183%	700 ± 138%	1,400 ± 160%	1,400 ± 105%	0.1 ± 266%	0.4 ± 182%
Virginia	300 ± 140%	0	100 ± 116%	0	500 ± 142%	0	2.6 ± 182%	0
Eastern Unit Total	30,600 ± 43%	28,200 ± 65%	8,400	10,300	27,000 ± 50%	30,400 ± 54%		
Colorado	2,300 ± 73%	1,500 ± 57%	1,700 ± 50%	1,900 ± 45%	2,800 ± 42%	4,200 ± 49%	1.3 ± 89%	0.8 ± 72%
Kansas	2,600 ± 93%	2,300 ± 76%	1,600 ± 69%	1,300 ± 62%	4,300 ± 80%	4,900 ± 80%	1.6 ± 115%	1.7 ± 98%
New Mexico	33,800 ± 20%	60,900 ± 24%	3,100 ± 14%	4,300 ± 14%	13,100 ± 19%	15,600 ± 20%	10.8 ± 24%	14.3 ± 28%
Oklahoma	5,300 ± 86%	7,200 ± 85%	3,900 ± 45%	1,900 ± 52%	11,400 ± 61%	9,900 ± 95%	1.4 ± 97%	3.9 ± 100%
Texas	1,299,700 ± 28%	1,767,900 ± 18%	93,800 ± 19%	130,400 ± 14%	360,000 ± 22%	472,800 ± 17%	13.8 ± 34%	13.6 ± 23%
Central Unit Total	1,343,700 ± 28%	1,839,700 ± 17%	104,300	139,700	391,500 ± 21%	507,500 ± 16%		
Arizona	100,000 ± 35%	83,800 ± 18%	18,400 ± 26%	13,300 ± 10%	60,500 ± 27%	34,800 ± 12%	5.4 ± 43%	6.3 ± 21%
California	48,900 ± 33%	54,400 ± 34%	12,700 ± 22%	13,000 ± 22%	31,800 ± 24%	36,700 ± 38%	3.8 ± 40%	4.2 ± 40%
Nevada	3,300 ± 111%	300 ± 91%	600 ± 78%	200 ± 73%	2,500 ± 108%	400 ± 60%	6.0 ± 135%	1.2 ± 117%
Utah	0	200 ± 79%	1,100 ± 181%	300 ± 76%	1,100 ± 181%	2,100 ± 159%	0	0.7 ± 109%
Western Unit Total	152,200 ± 25%	138,700 ± 17%	32,800	26,900	95,900 ± 19%	74,000 ± 20%		
U.S. Total	1,526,500 ± 24%	2,006,600 ± 16%	145,500	176,800	514,400 ± 16%	611,900 ± 14%		

¹ Variance estimates presented as 95% confidence interval as percent of the point estimate.² Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.Table 15. Preliminary estimates of band-tailed pigeon harvest and hunter activity during the 2012 and 2013 hunting seasons¹.

State and Management Unit	Band-tailed Pigeon Harvest		Active Hunters ²		Band-tailed Pigeon Days Afield		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Arizona	900 ± 125%	700 ± 83%	400 ± 137%	1,000 ± 43%	800 ± 126%	1,900 ± 49%	2.3 ± 185%	0.8 ± 93%
Colorado	<50 ± 140%	400 ± 96%	200 ± 39%	300 ± 35%	500 ± 48%	800 ± 45%	0.2 ± 145%	1.4 ± 102%
New Mexico	200 ± 30%	200 ± 67%	100 ± 16%	200 ± 32%	400 ± 26%	300 ± 36%	1.7 ± 34%	1.4 ± 75%
Utah	500 ± 196%	100 ± 172%	300 ± 196%	100 ± 75%	300 ± 196%	400 ± 104%	2.0 ± 277%	2.0 ± 188%
Interior Total	1,600 ± 92%	1,500 ± 52%	1,000	1,500	2,000 ± 60%	3,300 ± 32%		
California	4,700 ± 50%	10,700 ± 75%	2,700 ± 46%	2,400 ± 50%	4,600 ± 42%	7,500 ± 61%	1.7 ± 68%	4.4 ± 90%
Oregon	1,600 ± 40%	1,200 ± 34%	400 ± 19%	400 ± 14%	1,200 ± 29%	1,100 ± 22%	3.8 ± 45%	2.9 ± 37%
Washington	500 ± 166%	200 ± 52%	100 ± 0%	100 ± 31%	400 ± 107%	200 ± 41%	3.6 ± 166%	2.5 ± 61%
Pacific Coast Total	6,700 ± 38%	12,000 ± 66%	3,300	2,900	6,200 ± 33%	8,800 ± 52%		
U.S. Total	8,300 ± 35%	13,500 ± 59%	4,300	4,400	8,200 ± 29%	12,100 ± 39%		

¹ Variance estimates presented as 95% confidence interval as percent of the point estimate.² Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.

Table 16. Preliminary estimates of woodcock harvest and hunter activity during the 2013 and 2014 hunting seasons ¹.

State and Management Region	Woodcock Harvest		Active Hunters ²		Woodcock Days Afield		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Connecticut	1,200 ± 52%	1,000 ± 45%	800 ± 31%	600 ± 32%	3,600 ± 33%	2,600 ± 42%	1.5 ± 61%	1.6 ± 55%
Delaware	200 ± 103%	100 ± 105%	<50 ± 93%	200 ± 155%	200 ± 109%	300 ± 119%	4.3 ± 139%	0.4 ± 187%
Florida	1,000 ± 148%	500 ± 192%	1,800 ± 184%	<50 ± 192%	3,800 ± 119%	300 ± 192%	0.6 ± 236%	18.0 ± 272%
Georgia	800 ± 97%	1,900 ± 131%	800 ± 79%	3,700 ± 106%	2,500 ± 89%	8,100 ± 106%	1.0 ± 126%	0.5 ± 168%
Maine	5,800 ± 43%	10,400 ± 61%	2,200 ± 46%	2,300 ± 45%	8,800 ± 35%	9,600 ± 47%	2.6 ± 63%	4.6 ± 76%
Maryland	1,900 ± 107%	500 ± 48%	1,200 ± 96%	1,100 ± 99%	2,000 ± 81%	3,200 ± 94%	1.6 ± 143%	0.4 ± 110%
Massachusetts	2,400 ± 44%	2,100 ± 28%	900 ± 39%	1,100 ± 28%	4,800 ± 34%	5,400 ± 33%	2.6 ± 59%	1.9 ± 40%
New Hampshire	8,000 ± 29%	5,600 ± 40%	2,600 ± 29%	1,700 ± 35%	13,000 ± 25%	9,000 ± 40%	3.0 ± 41%	3.3 ± 53%
New Jersey	7,400 ± 71%	3,600 ± 119%	2,000 ± 37%	400 ± 94%	11,000 ± 48%	3,800 ± 137%	3.7 ± 80%	9.4 ± 151%
New York	11,700 ± 38%	8,400 ± 30%	3,900 ± 31%	4,700 ± 24%	15,300 ± 29%	22,300 ± 32%	3.0 ± 49%	1.8 ± 39%
North Carolina	1,400 ± 95%	8,200 ± 174%	1,900 ± 134%	3,200 ± 125%	8,200 ± 106%	11,500 ± 135%	0.7 ± 164%	2.6 ± 215%
Pennsylvania	8,200 ± 42%	6,600 ± 52%	6,400 ± 37%	5,000 ± 38%	29,600 ± 41%	20,000 ± 44%	1.3 ± 56%	1.3 ± 65%
Rhode Island	300 ± 58%	400 ± 118%	100 ± 27%	200 ± 70%	400 ± 40%	900 ± 70%	4.0 ± 64%	1.6 ± 137%
South Carolina	2,100 ± 177%	4,400 ± 130%	3,000 ± 109%	3,800 ± 93%	13,000 ± 127%	8,000 ± 94%	0.7 ± 208%	1.1 ± 160%
Vermont	4,100 ± 39%	3,000 ± 32%	1,400 ± 34%	1,200 ± 27%	8,600 ± 56%	5,800 ± 32%	3.0 ± 51%	2.4 ± 42%
Virginia	5,700 ± 80%	1,900 ± 67%	2,200 ± 65%	1,400 ± 80%	11,300 ± 112%	8,200 ± 91%	2.5 ± 103%	1.4 ± 105%
West Virginia	300 ± 58%	200 ± 84%	200 ± 92%	300 ± 74%	600 ± 60%	800 ± 85%	1.6 ± 109%	0.7 ± 112%
Eastern Region Total	62,500 ± 17%	58,600 ± 31%	31,400	31,000	136,700 ± 20%	119,700 ± 21%		
Alabama	1,400 ± 129%	800 ± 124%	1,000 ± 175%	100 ± 91%	1,500 ± 121%	400 ± 125%	1.4 ± 217%	15.0 ± 154%
Arkansas	100 ± 195%	200 ± 139%	100 ± 137%	200 ± 96%	300 ± 140%	400 ± 102%	0.5 ± 238%	1.3 ± 169%
Illinois	1,000 ± 142%	300 ± 132%	1,600 ± 128%	800 ± 169%	3,400 ± 119%	2,600 ± 162%	0.7 ± 191%	0.3 ± 214%
Indiana	1,400 ± 84%	700 ± 43%	700 ± 77%	300 ± 100%	1,600 ± 58%	900 ± 88%	2.0 ± 114%	2.5 ± 109%
Iowa	4,200 ± 80%	100 ± 92%	1,800 ± 85%	500 ± 137%	8,300 ± 118%	1,000 ± 134%	2.3 ± 117%	0.3 ± 165%
Kansas	<50 ± 183%	<50 ± 183%	400 ± 192%	1,000 ± 111%	1,100 ± 193%	1,000 ± 107%	<0.1 ± 265%	<0.1 ± 214%
Kentucky	2,800 ± 196%	100 ± 188%	1,000 ± 193%	<50 ± 188%	1,900 ± 194%	<50 ± 188%	3.0 ± 275%	5.0 ± 266%
Louisiana	7,400 ± 169%	9,400 ± 132%	2,500 ± 165%	2,700 ± 87%	2,500 ± 165%	5,800 ± 95%	2.9 ± 236%	3.5 ± 158%
Michigan	79,300 ± 28%	53,500 ± 29%	30,000 ± 19%	19,400 ± 21%	123,700 ± 24%	87,500 ± 19%	2.6 ± 34%	2.8 ± 36%
Minnesota	18,600 ± 57%	23,900 ± 45%	10,900 ± 37%	13,500 ± 34%	74,700 ± 62%	47,500 ± 32%	1.7 ± 68%	1.8 ± 56%
Mississippi	2,600 ± 164%	800 ± 113%	1,200 ± 127%	1,600 ± 109%	2,600 ± 131%	5,400 ± 135%	2.2 ± 207%	0.5 ± 157%
Missouri	7,700 ± 176%	600 ± 66%	2,900 ± 91%	1,300 ± 123%	8,500 ± 117%	2,200 ± 112%	2.6 ± 198%	0.5 ± 139%
Nebraska	0	1,400 ± 196%	600 ± 196%	400 ± 196%	600 ± 196%	1,100 ± 196%	0	4.0 ± 277%
Ohio	8,600 ± 85%	300 ± 90%	3,000 ± 63%	1,600 ± 85%	8,600 ± 64%	4,500 ± 94%	2.9 ± 106%	0.2 ± 124%
Oklahoma	300 ± 129%	100 ± 88%	<50 ± 68%	<50 ± 64%	200 ± 121%	100 ± 78%	8.4 ± 146%	2.8 ± 109%
Tennessee	1,300 ± 185%	100 ± 192%	1,200 ± 192%	100 ± 94%	1,300 ± 179%	400 ± 117%	1.0 ± 267%	0.5 ± 214%
Texas	5,500 ± 174%	<50 ± 192%	4,900 ± 194%	100 ± 73%	5,200 ± 182%	200 ± 99%	1.1 ± 260%	0.4 ± 205%
Wisconsin	38,400 ± 24%	49,300 ± 45%	14,500 ± 27%	16,200 ± 25%	60,000 ± 31%	66,400 ± 27%	2.6 ± 36%	3.1 ± 52%
Central Region Total	180,600 ± 20%	141,500 ± 23%	78,400	59,600	306,100 ± 20%	227,600 ± 14%		
U.S. Total	243,100 ± 15%	200,100 ± 18%	109,800	90,600	442,800 ± 15%	347,400 ± 12%		

¹ Variance estimates presented as 95% confidence interval as percent of the point estimate.

² Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.

Table 17. Preliminary estimates of snipe harvest and hunter activity during the 2013 and 2014 hunting seasons¹.

State and Management Unit	Snipe Harvest		Active Hunters ²		Snipe Days Afield		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Connecticut	<50 ± 176%	100 ± 194%	100 ± 168%	<50 ± 194%	300 ± 180%	200 ± 194%	0.4 ± 243%	2.0 ± 274%
Delaware	100 ± 112%	100 ± 164%	<50 ± 68%	100 ± 163%	400 ± 82%	300 ± 153%	1.4 ± 131%	1.0 ± 231%
Florida	26,100 ± 66%	44,300 ± 90%	3,400 ± 80%	3,200 ± 80%	8,200 ± 55%	25,800 ± 142%	7.6 ± 104%	13.9 ± 120%
Georgia	0	1,300 ± 188%	0	100 ± 110%	0	300 ± 126%	0.0	11.0 ± 218%
Maine	<50 ± 193%	600 ± 160%	<50 ± 193%	600 ± 179%	<50 ± 193%	3,600 ± 192%	1.0 ± 272%	1.1 ± 240%
Maryland	100 ± 138%	500 ± 196%	100 ± 109%	500 ± 196%	400 ± 128%	1,000 ± 196%	2.7 ± 176%	1.0 ± 277%
Massachusetts	100 ± 87%	100 ± 171%	200 ± 67%	<50 ± 119%	600 ± 81%	100 ± 126%	0.6 ± 110%	10.5 ± 208%
New Hampshire	<50 ± 186%	100 ± 195%	<50 ± 186%	100 ± 195%	<50 ± 186%	100 ± 195%	1.0 ± 263%	1.0 ± 276%
New Jersey	0	0	<50 ± 185%	0	<50 ± 185%	0	0.0	0.0
New York	100 ± 135%	100 ± 191%	100 ± 110%	300 ± 141%	200 ± 114%	900 ± 156%	0.7 ± 175%	0.2 ± 238%
North Carolina	1,200 ± 196%	1,500 ± 196%	400 ± 196%	500 ± 196%	1,600 ± 196%	1,000 ± 196%	3.0 ± 277%	3.0 ± 277%
Pennsylvania	0	3,200 ± 196%	0	800 ± 190%	0	2,400 ± 194%	0.0	3.9 ± 273%
Rhode Island	0	0	0	<50 ± 193%	0	<50 ± 193%	0.0	0.0
South Carolina	3,500 ± 112%	2,000 ± 94%	700 ± 167%	1,300 ± 126%	1,600 ± 151%	1,500 ± 117%	5.0 ± 201%	1.5 ± 157%
Vermont	<50 ± 127%	500 ± 177%	200 ± 180%	300 ± 109%	400 ± 175%	800 ± 121%	0.2 ± 220%	1.8 ± 208%
Virginia	1,700 ± 158%	1,000 ± 160%	300 ± 149%	300 ± 123%	1,500 ± 131%	900 ± 136%	6.6 ± 218%	2.8 ± 202%
West Virginia	0	0	<50 ± 186%	0	<50 ± 186%	0	0.0	0.0
Atlantic Flyway Total	33,000 ± 54%	55,200 ± 74%	5,500	8,300	15,200 ± 42%	39,000 ± 97%		
Alabama	1,300 ± 162%	500 ± 165%	2,800 ± 132%	<50 ± 133%	3,200 ± 118%	100 ± 136%	0.5 ± 209%	10.0 ± 212%
Arkansas	3,300 ± 196%	0	1,600 ± 196%	0	1,600 ± 196%	0	2.0 ± 277%	0.0
Illinois	0	0	0	0	0	0	0.0	0.0
Indiana	200 ± 59%	1,300 ± 171%	100 ± 36%	1,200 ± 93%	300 ± 48%	7,000 ± 126%	2.8 ± 69%	1.1 ± 194%
Iowa	600 ± 171%	200 ± 84%	1,100 ± 132%	100 ± 46%	2,500 ± 134%	300 ± 59%	0.6 ± 216%	2.9 ± 96%
Kentucky	0	0	0	0	0	0	0.0	0.0
Louisiana	5,000 ± 127%	6,900 ± 105%	1,000 ± 138%	2,000 ± 106%	2,600 ± 109%	4,100 ± 94%	5.1 ± 187%	3.5 ± 149%
Michigan	2,500 ± 147%	1,200 ± 164%	2,100 ± 160%	300 ± 81%	18,300 ± 183%	900 ± 123%	1.2 ± 217%	3.6 ± 183%
Minnesota	5,200 ± 95%	0	2,800 ± 88%	1,400 ± 123%	6,100 ± 92%	2,100 ± 126%	1.9 ± 129%	0.0
Mississippi	0	0	0	700 ± 196%	0	1,500 ± 196%	0.0	0.0
Missouri	0	0	0	600 ± 196%	0	1,700 ± 196%	0.0	0.0
Ohio	0	500 ± 194%	0	<50 ± 194%	0	200 ± 194%	0.0	10.0 ± 274%
Tennessee	0	0	0	0	0	0	0.0	0.0
Wisconsin	3,000 ± 163%	100 ± 193%	1,400 ± 175%	1,100 ± 186%	11,400 ± 171%	10,800 ± 193%	2.2 ± 239%	0.1 ± 268%
Mississippi Flyway Total	21,200 ± 58%	10,700 ± 74%	13,000	7,500	46,000 ± 86%	28,800 ± 82%		

¹ Variance estimates presented as 95% confidence interval as percent of the point estimate.² Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.

Table 17 (continued). Preliminary estimates of snipe harvest and hunter activity during the 2013 and 2014 hunting seasons ¹.

State and Management Unit	Snipe Harvest		Active Hunters ²		Snipe Days Afield		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Colorado	0	1,400 ± 195%	0	100 ± 195%	0	700 ± 195%	0.0	20.0 ± 275%
Kansas	<50 ± 131%	0	<50 ± 124%	<50 ± 171%	<50 ± 139%	<50 ± 171%	1.5 ± 180%	0.0
Nebraska	500 ± 196%	2,200 ± 145%	500 ± 196%	800 ± 129%	500 ± 196%	2,000 ± 130%	1.0 ± 277%	2.8 ± 194%
New Mexico	400 ± 194%	0	200 ± 192%	<50 ± 179%	400 ± 194%	<50 ± 179%	2.0 ± 273%	0.0
North Dakota	200 ± 56%	200 ± 58%	600 ± 161%	500 ± 165%	1,800 ± 164%	3,000 ± 177%	0.3 ± 170%	0.3 ± 175%
Oklahoma	500 ± 131%	<50 ± 188%	900 ± 179%	<50 ± 129%	2,600 ± 181%	300 ± 158%	0.5 ± 222%	1.0 ± 228%
South Dakota	100 ± 126%	200 ± 129%	<50 ± 101%	<50 ± 69%	100 ± 109%	200 ± 131%	4.0 ± 161%	6.3 ± 147%
Texas	200 ± 137%	900 ± 119%	100 ± 133%	200 ± 63%	100 ± 141%	600 ± 83%	4.0 ± 191%	3.9 ± 135%
Wyoming	100 ± 84%	100 ± 72%	<50 ± 53%	100 ± 111%	100 ± 62%	200 ± 87%	2.9 ± 99%	0.5 ± 132%
Central Flyway Total	1,900 ± 72%	5,100 ± 87%	2,300	1,800	5,600 ± 103%	7,000 ± 87%		
Arizona	100 ± 189%	200 ± 126%	<50 ± 134%	100 ± 94%	300 ± 180%	100 ± 104%	3.5 ± 232%	4.5 ± 158%
California	2,400 ± 77%	15,800 ± 190%	700 ± 133%	600 ± 150%	1,400 ± 77%	2,500 ± 165%	3.3 ± 154%	28.3 ± 243%
Idaho	7,900 ± 188%	4,700 ± 196%	800 ± 185%	400 ± 196%	3,900 ± 140%	900 ± 196%	9.8 ± 264%	11.0 ± 277%
Montana	300 ± 141%	100 ± 116%	100 ± 72%	400 ± 185%	200 ± 83%	1,700 ± 192%	3.7 ± 158%	0.3 ± 218%
Nevada	<50 ± 102%	200 ± 114%	100 ± 171%	200 ± 128%	100 ± 171%	800 ± 165%	0.2 ± 199%	1.3 ± 171%
Oregon	500 ± 180%	1,000 ± 162%	800 ± 126%	200 ± 85%	1,000 ± 107%	700 ± 111%	0.6 ± 220%	5.8 ± 182%
Utah	700 ± 112%	500 ± 113%	300 ± 96%	1,200 ± 69%	900 ± 151%	5,000 ± 86%	2.5 ± 148%	0.5 ± 132%
Washington	500 ± 70%	600 ± 67%	200 ± 35%	400 ± 133%	800 ± 86%	1,100 ± 112%	3.1 ± 78%	1.4 ± 149%
Pacific Flyway Total	12,400 ± 122%	23,300 ± 136%	3,000	3,500	8,600 ± 69%	12,800 ± 57%		
Alaska	600 ± 143%	600 ± 180%	1,000 ± 121%	600 ± 184%	1,500 ± 127%	5,700 ± 192%	0.6 ± 188%	1.0 ± 258%
U.S. Total	69,100 ± 38%	94,900 ± 55%	24,700	21,600	76,900 ± 53%	93,200 ± 50%		

¹ Variance estimates presented as 95% confidence interval as percent of the point estimate.

² Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.

Table 18. Preliminary estimates of coot harvest and hunter activity during the 2013 and 2014 hunting seasons¹.

State and Management Unit	Coot Harvest		Active Hunters ²		Coot Days Afield		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Connecticut	0	0	100 ± 194%	0	100 ± 194%	0	0	0.0
Delaware	100 ± 125%	1,600 ± 162%	100 ± 60%	100 ± 117%	300 ± 91%	2,400 ± 181%	1.7 ± 139%	16.3 ± 200%
Florida	2,800 ± 144%	42,100 ± 92%	200 ± 137%	3,700 ± 79%	600 ± 144%	18,400 ± 123%	15.0 ± 199%	11.5 ± 121%
Georgia	500 ± 145%	0	200 ± 137%	0	400 ± 160%	0	3.0 ± 200%	0.0
Maine	0	100 ± 192%	<50 ± 193%	<50 ± 192%	<50 ± 193%	<50 ± 192%	0.0	5.0 ± 271%
Maryland	200 ± 174%	500 ± 196%	100 ± 93%	500 ± 196%	400 ± 122%	500 ± 196%	2.8 ± 197%	1.0 ± 277%
Massachusetts	100 ± 81%	200 ± 136%	<50 ± 70%	<50 ± 72%	100 ± 76%	100 ± 120%	1.3 ± 107%	10.6 ± 154%
New Hampshire	100 ± 157%	0	<50 ± 124%	0	100 ± 124%	0	6.5 ± 200%	0.0
New Jersey	100 ± 158%	500 ± 192%	100 ± 167%	<50 ± 192%	300 ± 131%	<50 ± 192%	1.0 ± 230%	21.0 ± 271%
New York	2,100 ± 120%	700 ± 125%	1,000 ± 92%	400 ± 121%	4,200 ± 117%	1,300 ± 115%	2.2 ± 151%	1.7 ± 174%
North Carolina	11,700 ± 130%	1,500 ± 196%	3,400 ± 111%	500 ± 196%	6,900 ± 122%	500 ± 196%	3.4 ± 171%	3.0 ± 277%
Pennsylvania	0	5,000 ± 185%	0	900 ± 180%	0	1,900 ± 164%	0.0	5.8 ± 258%
Rhode Island	0	100 ± 137%	0	<50 ± 144%	0	<50 ± 144%	0.0	2.3 ± 199%
South Carolina	2,500 ± 192%	4,000 ± 115%	600 ± 190%	1,300 ± 133%	2,800 ± 173%	1,400 ± 122%	4.0 ± 270%	3.1 ± 176%
Vermont	<50 ± 176%	<50 ± 175%	200 ± 190%	<50 ± 175%	400 ± 185%	<50 ± 175%	0.1 ± 259%	2.0 ± 247%
Virginia	3,400 ± 177%	800 ± 103%	300 ± 128%	200 ± 138%	1,500 ± 108%	1,100 ± 121%	11.5 ± 219%	3.8 ± 173%
West Virginia	0	0	<50 ± 186%	0	<50 ± 186%	0	0.0	0.0
Atlantic Flyway Total	23,600 ± 75%	57,200 ± 71%	6,300	7,700	18,100 ± 61%	27,800 ± 84%	2.3 ± 148%	7.4 ± 196%
Alabama	300 ± 116%	18,000 ± 143%	100 ± 92%	2,400 ± 134%	100 ± 92%	4,800 ± 151%	0.9 ± 264%	2.0 ± 276%
Arkansas	1,600 ± 196%	0	1,800 ± 177%	0	10,300 ± 194%	100 ± 195%	8.2 ± 250%	9.2 ± 218%
Illinois	100 ± 195%	200 ± 195%	1,100 ± 181%	100 ± 195%	3,100 ± 183%	500 ± 123%	3.4 ± 63%	0.0
Indiana	4,600 ± 185%	800 ± 85%	600 ± 168%	400 ± 160%	500 ± 59%	1,800 ± 142%	0.0	20.1 ± 104%
Iowa	500 ± 52%	5,300 ± 160%	100 ± 36%	600 ± 148%	0	13,600 ± 63%	5.5 ± 237%	6.8 ± 228%
Kentucky	0	0	0	0	24,600 ± 81%	3,900 ± 179%	4.7 ± 157%	4.6 ± 158%
Louisiana	151,700 ± 66%	110,400 ± 82%	5,100 ± 59%	5,500 ± 65%	2,100 ± 145%	33,600 ± 147%	2.0 ± 277%	0.0
Michigan	2,300 ± 196%	9,600 ± 155%	400 ± 134%	1,400 ± 168%	2,900 ± 196%	600 ± 196%	5.0 ± 277%	0.0
Minnesota	7,300 ± 109%	11,400 ± 126%	1,500 ± 113%	2,500 ± 94%	4,000 ± 121%	1,300 ± 130%	2.2 ± 174%	0.9 ± 238%
Mississippi	1,400 ± 196%	0	700 ± 196%	0	0	0	0.0	0.0
Missouri	2,900 ± 196%	0	600 ± 196%	0	2,900 ± 196%	600 ± 196%	5.5 ± 179%	4.5 ± 160%
Ohio	5,200 ± 117%	800 ± 173%	2,300 ± 129%	800 ± 164%	4,000 ± 121%	1,300 ± 130%	0.0	0.0
Tennessee	0	0	0	0	0	0	0.0	0.0
Wisconsin	8,700 ± 90%	15,900 ± 124%	1,600 ± 155%	3,500 ± 102%	12,600 ± 154%	16,300 ± 134%	5.5 ± 179%	4.5 ± 160%
Mississippi Flyway Total	186,500 ± 55%	172,300 ± 57%	16,000	17,800	66,900 ± 54%	76,400 ± 73%		

¹Variance estimates presented as 95% confidence interval as percent of the point estimate.² Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.

Table 18 (continued). Preliminary estimates of coot harvest and hunter activity during the 2013 and 2014 hunting seasons¹.

State and Management Unit	Coot Harvest		Active Hunters ²		Coot Days Afield		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Colorado	2,800 ± 137%	1,600 ± 133%	1,300 ± 91%	600 ± 123%	6,500 ± 126%	1,900 ± 140%	2.1 ± 165%	2.8 ± 181%
Kansas	1,000 ± 196%	400 ± 186%	500 ± 196%	400 ± 192%	500 ± 196%	2,500 ± 195%	2.0 ± 277%	1.0 ± 267%
Nebraska	1,400 ± 196%	0	500 ± 196%	0	500 ± 196%	0	3.0 ± 277%	0.0
New Mexico	100 ± 110%	<50 ± 114%	<50 ± 67%	<50 ± 79%	<50 ± 84%	100 ± 87%	2.8 ± 129%	1.6 ± 139%
North Dakota	1,900 ± 106%	1,200 ± 78%	700 ± 148%	600 ± 143%	1,600 ± 129%	2,800 ± 156%	2.9 ± 182%	2.0 ± 162%
Oklahoma	3,800 ± 102%	5,700 ± 145%	2,500 ± 109%	1,300 ± 135%	5,000 ± 133%	3,200 ± 158%	1.6 ± 149%	4.4 ± 198%
South Dakota	1,300 ± 120%	300 ± 75%	700 ± 133%	100 ± 49%	1,100 ± 138%	300 ± 98%	1.8 ± 179%	5.0 ± 89%
Texas	600 ± 133%	1,800 ± 85%	100 ± 89%	200 ± 70%	300 ± 117%	900 ± 96%	6.0 ± 160%	8.7 ± 110%
Wyoming	600 ± 120%	300 ± 123%	100 ± 108%	100 ± 128%	300 ± 98%	400 ± 132%	4.0 ± 161%	3.2 ± 178%
Central Flyway Total	13,500 ± 52%	11,500 ± 77%	6,400	3,300	15,800 ± 70%	12,100 ± 72%		
Arizona	300 ± 136%	1,300 ± 148%	100 ± 94%	1,200 ± 167%	500 ± 160%	1,400 ± 143%	5.0 ± 165%	1.1 ± 223%
California	13,200 ± 58%	11,100 ± 93%	2,500 ± 77%	1,900 ± 87%	4,600 ± 49%	4,000 ± 77%	5.3 ± 97%	5.8 ± 127%
Idaho	6,100 ± 194%	1,700 ± 154%	800 ± 185%	900 ± 138%	4,700 ± 144%	900 ± 138%	7.6 ± 268%	2.0 ± 207%
Montana	100 ± 148%	300 ± 92%	<50 ± 106%	<50 ± 73%	200 ± 115%	300 ± 111%	2.7 ± 182%	6.0 ± 117%
Nevada	700 ± 80%	3,300 ± 177%	200 ± 106%	200 ± 101%	400 ± 98%	1,000 ± 144%	3.2 ± 132%	13.6 ± 204%
Oregon	800 ± 117%	7,500 ± 115%	500 ± 144%	800 ± 117%	800 ± 108%	3,300 ± 119%	1.6 ± 185%	8.9 ± 164%
Utah	6,400 ± 80%	23,300 ± 76%	1,500 ± 61%	3,800 ± 37%	2,600 ± 63%	13,200 ± 53%	4.4 ± 100%	6.2 ± 85%
Washington	3,700 ± 76%	4,600 ± 165%	600 ± 122%	800 ± 109%	2,100 ± 78%	5,400 ± 164%	6.2 ± 144%	6.1 ± 198%
Pacific Flyway Total	31,300 ± 49%	53,100 ± 46%	6,200	9,600	15,800 ± 48%	29,400 ± 43%		
U.S. Total	254,900 ± 41%	294,100 ± 37%	34,800	38,400	116,700 ± 34%	145,700 ± 43%		

¹ Variance estimates presented as 95% confidence interval as percent of the point estimate.

² Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.

Table 19. Preliminary estimates of gallinule harvest and hunter activity during the 2013 and 2014 hunting seasons¹.

State and Management Unit	Gallinule Harvest		Active Hunters ²		Gallinule Days Afield		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Delaware	0	<50 ± 179%	<50 ± 105%	100 ± 177%	200 ± 121%	200 ± 141%	0.0	0.1 ± 251%
Florida	2,100 ± 195%	2,700 ± 150%	100 ± 195%	700 ± 171%	100 ± 195%	900 ± 142%	30.0 ± 275%	3.6 ± 228%
Georgia	0	0	0	0	0	0	0.0	0.0
New Jersey	0	0	0	0	0	0	0.0	0.0
New York	0	800 ± 187%	0	500 ± 128%	0	3,100 ± 144%	0.0	1.6 ± 226%
North Carolina	0	0	0	0	0	0	0.0	0.0
Pennsylvania	0	0	0	700 ± 196%	0	700 ± 196%	0.0	0.0
South Carolina	600 ± 191%	0	<50 ± 191%	0	200 ± 191%	0	30.0 ± 270%	0.0
Virginia	100 ± 183%	0	<50 ± 183%	<50 ± 181%	100 ± 183%	100 ± 181%	11.0 ± 258%	0.0
West Virginia	0	0	<50 ± 186%	0	<50 ± 186%	0	0.0	0.0
Atlantic Flyway Total	2,800 ± 153%	3,500 ± 122%	100	2,000	700 ± 84%	4,900 ± 98%	0.0	0.0
Alabama	0	0	0	0	0	0	0.0	0.0
Arkansas	0	0	0	0	0	0	0.0	0.0
Kentucky	0	0	0	0	0	0	0.0	0.0
Louisiana	13,200 ± 110%	1,500 ± 138%	1,300 ± 104%	200 ± 110%	4,600 ± 77%	1,100 ± 128%	10.2 ± 151%	6.7 ± 176%
Michigan	0	0	0	100 ± 195%	0	100 ± 195%	0.0	0.0
Minnesota	100 ± 195%	0	100 ± 195%	100 ± 195%	100 ± 195%	100 ± 195%	1.0 ± 275%	0.0
Mississippi	0	0	0	0	0	0	0.0	0.0
Ohio	0	0	0	0	0	0	0.0	0.0
Tennessee	0	0	0	0	0	0	0.0	0.0
Wisconsin	2,100 ± 196%	0	1,100 ± 191%	800 ± 196%	1,200 ± 179%	8,500 ± 196%	2.0 ± 274%	0.0
Mississippi Flyway Total	15,400 ± 98%	1,500 ± 138%	2,400	1,200	5,800 ± 71%	9,800 ± 170%	0.0	0.0
New Mexico	0	<50 ± 178%	0	<50 ± 125%	0	<50 ± 140%	0.0	1.0 ± 218%
Oklahoma	0	0	800 ± 196%	600 ± 196%	800 ± 196%	2,900 ± 196%	0.0	0.0
Texas	2,800 ± 196%	0	2,800 ± 196%	2,600 ± 196%	2,800 ± 196%	10,500 ± 196%	1.0 ± 277%	0.0
Central Flyway Total	2,800 ± 196%	<50 ± 178%	3,600	3,200	3,600 ± 160%	13,400 ± 159%	0.0	0.0
Arizona	0	200 ± 160%	0	800 ± 183%	0	5,100 ± 192%	0.0	0.2 ± 243%
California	200 ± 121%	<50 ± 185%	<50 ± 105%	<50 ± 130%	200 ± 123%	<50 ± 133%	8.3 ± 161%	1.5 ± 226%
Nevada	100 ± 194%	0	100 ± 137%	100 ± 194%	100 ± 137%	300 ± 194%	0.5 ± 238%	0.0
Pacific Flyway Total	300 ± 104%	200 ± 139%	200	800	300 ± 92%	5,500 ± 179%	0.0	0.0
U.S. Total	21,300 ± 78%	5,200 ± 92%	6,300	7,300	10,300 ± 68%	33,700 ± 87%	0.0	0.0

¹Variance estimates presented as 95% confidence interval as percent of the point estimate.² Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.

Table 20. Preliminary estimates of rail harvest and hunter activity during the 2013 and 2014 hunting seasons¹.

State and Management Unit	Rail Harvest		Active Hunters ²		Rail Days Afield		Seasonal Harvest Per Hunter	
	2013	2014	2013	2014	2013	2014	2013	2014
Connecticut	<50 ± 173%	<50 ± 154%	100 ± 182%	<50 ± 154%	100 ± 188%	<50 ± 154%	0.1 ± 251%	19.0 ± 217%
Delaware	0	<50 ± 147%	<50 ± 105%	<50 ± 126%	200 ± 121%	100 ± 152%	0.0	2.5 ± 194%
Florida	1,100 ± 148%	<50 ± 194%	200 ± 108%	<50 ± 194%	500 ± 142%	<50 ± 194%	5.3 ± 183%	1.0 ± 274%
Georgia	0	1,600 ± 171%	0	1,400 ± 192%	0	1,400 ± 188%	0.0	1.1 ± 257%
Maine	0	1,000 ± 196%	0	500 ± 196%	0	3,600 ± 196%	0.0	2.0 ± 277%
Maryland	1,900 ± 194%	0	500 ± 187%	0	1,200 ± 164%	0	3.9 ± 269%	0.0
Massachusetts	<50 ± 120%	0	<50 ± 152%	<50 ± 194%	100 ± 137%	400 ± 194%	0.5 ± 194%	0.0
New Jersey	1,500 ± 87%	400 ± 190%	200 ± 115%	<50 ± 190%	400 ± 113%	<50 ± 190%	7.3 ± 144%	21.0 ± 269%
New York	0	200 ± 191%	200 ± 196%	500 ± 128%	900 ± 196%	1,800 ± 131%	0.0	0.4 ± 230%
North Carolina	0	0	0	0	0	0	0.0	0.0
Pennsylvania	0	0	0	700 ± 196%	0	700 ± 196%	0.0	0.0
Rhode Island	0	0	0	0	0	0	0.0	0.0
South Carolina	3,000 ± 70%	800 ± 134%	800 ± 155%	100 ± 107%	1,000 ± 125%	100 ± 124%	3.9 ± 170%	12.0 ± 171%
Virginia	2,000 ± 79%	4,100 ± 49%	300 ± 131%	500 ± 89%	400 ± 105%	800 ± 63%	6.9 ± 153%	7.9 ± 102%
West Virginia	0	0	<50 ± 186%	0	<50 ± 186%	0	0.0	0.0
Atlantic Flyway Total	9,600 ± 53%	8,200 ± 51%	2,300	3,800	4,800 ± 63%	9,000 ± 90%	0.0	0.0
Alabama	0	0	0	0	0	0	0.0	0.0
Arkansas	0	0	0	0	0	0	0.0	0.0
Illinois	0	0	0	0	0	0	0.0	0.0
Indiana	200 ± 160%	400 ± 141%	400 ± 131%	200 ± 166%	500 ± 116%	300 ± 151%	0.6 ± 207%	2.5 ± 217%
Iowa	0	0	0	0	0	0	0.0	0.0
Kentucky	0	0	0	0	0	0	0.0	0.0
Louisiana	7,600 ± 145%	4,700 ± 175%	500 ± 76%	800 ± 178%	3,000 ± 85%	1,300 ± 139%	15.8 ± 164%	6.1 ± 250%
Michigan	400 ± 134%	3,600 ± 196%	400 ± 134%	1,300 ± 186%	1,200 ± 134%	2,500 ± 186%	1.0 ± 189%	2.8 ± 270%
Minnesota	0	0	100 ± 195%	700 ± 177%	100 ± 195%	1,300 ± 177%	0.0	0.0
Mississippi	0	0	0	0	0	0	0.0	0.0
Missouri	1,100 ± 196%	0	600 ± 196%	0	600 ± 196%	0	2.0 ± 277%	0.0
Ohio	900 ± 196%	0	900 ± 196%	<50 ± 193%	900 ± 196%	<50 ± 193%	1.0 ± 277%	0.0
Tennessee	0	0	0	0	0	0	0.0	0.0
Wisconsin	100 ± 192%	0	100 ± 136%	900 ± 190%	400 ± 148%	8,600 ± 194%	1.5 ± 235%	0.0
Mississippi Flyway Total	10,400 ± 110%	8,600 ± 125%	2,900	3,800	6,500 ± 57%	14,100 ± 124%	0.0	0.0
Colorado	0	300 ± 194%	0	100 ± 194%	0	500 ± 194%	0.0	5.0 ± 275%
Kansas	200 ± 171%	<50 ± 166%	<50 ± 171%	<50 ± 166%	<50 ± 171%	<50 ± 166%	55.0 ± 242%	3.0 ± 234%
Nebraska	0	600 ± 194%	0	100 ± 136%	0	400 ± 137%	0.0	5.5 ± 237%
New Mexico	200 ± 195%	<50 ± 178%	200 ± 195%	<50 ± 125%	200 ± 195%	<50 ± 140%	1.0 ± 276%	0.5 ± 218%
Oklahoma	3,100 ± 135%	<50 ± 181%	1,500 ± 136%	600 ± 194%	3,000 ± 154%	2,900 ± 194%	2.0 ± 192%	<0.1 ± 265%
Texas	0	300 ± 192%	<50 ± 191%	2,700 ± 194%	<50 ± 191%	15,800 ± 195%	0.0	0.1 ± 273%
Wyoming	<50 ± 167%	0	<50 ± 117%	<50 ± 168%	<50 ± 128%	<50 ± 168%	1.5 ± 204%	0.0
Central Flyway Total	3,500 ± 119%	1,200 ± 116%	1,700	3,400	3,300 ± 143%	19,700 ± 160%	0.0	0.0
U.S. Total	23,500 ± 56%	18,000 ± 65%	6,900	11,000	14,600 ± 46%	42,700 ± 86%	0.0	0.0

¹ Variance estimates presented as 95% confidence interval as percent of the point estimate.

² Hunter number estimates at the management unit and national levels may be biased high, because the HIP sample frames are state specific; therefore hunters are counted more than once if they hunt in >1 state. Variance inestimable.

Table 21. Preliminary estimates of rail harvest during the 2013 and 2014 hunting seasons. Species-specific estimates were derived from 5-year running averages of species composition estimates from the Migratory Bird Wing Collection Survey.

Flyway	Sora		Virginia		Clapper		King	
	2013	2014	2013	2014	2013	2014	2013	2014
Atlantic	1,700	1,400	100	<50	7,800	6,900	0	0
Mississippi	9,500	8,000	100	<50	800	600	<50	<50
Central	3,400	1,100	100	<50	0	0	0	0
U.S. Total	14,500	10,500	300	100	8,600	7,500	<50	<50

Appendix A. Names and affiliations of people who coordinate the Harvest Information Program or help provide hunter name and address data to the USFWS.

Jim Robertson, Alabama Department of Conservation and Natural Resources
Robert Bowles, Alaska Department of Fish and Game
Anis Aoude, Arizona Game and Fish Department
Susan Porter, Arkansas Game and Fish Commission
Tony Straw, California Department of Fish and Game
Ed Gorman, Colorado Parks and Wildlife
Min Huang, Connecticut Department of Environmental Protection
Matthew DiBona, Delaware Department of Natural Resources and Environmental Control
Jamie Feddersen, Florida Fish and Wildlife Conservation Commission
Michael Spencer, Georgia Department of Natural Resources
Craig Weidmeier, Idaho Department of Fish and Game
Don Bricker, Illinois Department of Natural Resources
Adam Phelps, Indiana Department of Natural Resources
Matthew VanGundy, Iowa Department of Natural Resources
Mary Becker, Kansas Department of Wildlife, Parks, and Tourism
Denise Boebinger, Kentucky Department of Fish and Wildlife Resources
Michelle Rayburn, Louisiana Department of Wildlife and Fisheries
Bill Swan, Maine Department of Inland Fisheries and Wildlife
Brent Evans, Maryland Wildlife and Heritage Service
Rick Kennedy and H Heussman, Massachusetts Division of Fisheries and Wildlife
Kristen Shuler, Michigan Department of Natural Resources
Margaret Dexter, Minnesota Department of Natural Resources
Jason Thompson, Mississippi Department of Wildlife, Fisheries and Parks
Julie Fleming, Missouri Department of Conservation
Hank Worsech, Montana Fish, Wildlife and Parks
Mark Vrtiska, Nebraska Game and Parks Commission
Paula Lannen, Nevada Department of Wildlife
Susan Perry, New Hampshire Fish and Game Department
Barbara Stoff, New Jersey Division of Fish and Wildlife
Kristin Madden, New Mexico Department of Game and Fish
Vicky Wagenbaugh, New York Department of Environmental Conservation
Bobby Dunn, North Carolina Wildlife Resources Commission
Jerry Gulke, North Dakota Game and Fish Department
Andrew Burt, Ohio Department of Natural Resources
Rodney Derrick, Oklahoma Department of Wildlife Conservation
Brandon Reishus, Oregon Department of Fish and Wildlife
Terry Heckrote, Pennsylvania Game Commission
Ed Ferris, Rhode Island Division of Fish and Wildlife
Boyd Braxton, South Carolina Department of Natural Resources
Corey Huxoll, South Dakota Game, Fish, and Parks
Gary Clouse, Tennessee Wildlife Resources Agency
Kevin Kraii, Texas Parks and Wildlife Department
Heather Bernales, Utah Division of Wildlife Resources

Kris Nolan, Vermont Fish and Wildlife Department
Bob Ellis and Gary Costanzo, Virginia Department of Game and Inland Fisheries
Andrew Duff, Washington Department of Fish and Wildlife
Michael Peters, West Virginia Division of Natural Resources
Brian Dhuey, Wisconsin Department of Natural Resources
Matthew Barnes, Wyoming Game and Fish Department

Appendix B. Names and affiliations of waterfowl wingbee participants.

Atlantic Flyway Wingbee, Laure, MD January 26 to 30, 2015

B. Bales, MD DNR; J. Bennett, MD DNR; A. Bessler, USFWS; P. Bosco, USFWS; A. Burdette, MD DNR; S. Cass, WV DNR; S. Chandler, USFWS; D. Collins, USFWS-OLE; L. Fenstermacher, PA Game Commission; C. Ferguson, Retired FWS ; E. Holmes, USFWS-OLE; A. Hunter, NC WRC; M. McBride, FWC; K. McCargo, NC WRC; F. McGilvery, Retired FWS; L. Ortiz, USFWS; P. Padding, USFWS; T. Pittman, University of MD; B. Raftovich, USFWS; B. Rau, USFWS; T. Roberts, USFWS; F. Rodnsuez, USFWS; B. Rosamond, USFWS; N. Sagwitz, MD DNR; B. Sharick, Retired NY DEC; J. Stempka, PA Game Commission; A. Stewart, USFWS; T. Sutter, NY DEC; M. Szymanski, ND Game & Fish; R. Trimbath, University of Akron; C. Tucker, AACRI; Walt Rhodes, USFWS; B. West, USFWS; C. Wicker, USFWS; K. Wilkins, USFWS; S. Yates, USFWS; Pam Garrettson, USFWS

Mississippi Flyway Wingbee, Carbondale, IL; February 2 to 6, 2015

J. Ballard, USFWS; C. Bryan, USFWS; J. Carbaugh, AR Game and Fish; S. Chandler, USFWS; J. Coffman, OH Division of Wildlife; R. Colvis, KY DFW; J. Elbert, IA DNR; M. Ervin, OH Division of Wildlife; S. Ferrell, KY DFW; G. Fretueg, IL DNR; D. Fronczak, USFWS; D. Fuqua, TWRA; W. Futch, USFWS; C. Gaspard, LDWF; J. Hanks, LDWF; J. Hartleb, USFWS; H. Havens, MS DWFP; J. Hayer, MO DOC; J. Heise, MI DNR; M. Kapsch, USFWS; G. Knutsen, USFWS; A. Landon, OH Division of Wildlife; C. Light, MO DOC; A. Novarra, Retired USFWS; S. Pariseau, USFWS; D. Paulus, IA DNR; R. Peak, MN DNR; T. Perfer, USFWS; D. Rave, MN DNR; M. Richardson, MI DNR; L. Shupert, USFWS; A. Stetter, USFWS; S. Stoneski, AMERICORPS/USFWS; R. Vinson, USDA; J. Whitaker, LDWF; K. Wilkins, USFWS

Central Flyway Wingbee, Emporia, KS; February 17 to 20, 2015

J. Andreasen, NE Game & Parks; L. Baker, TX P&W; Kevin Kraii, TX P&W; T. Bidrowski, KDWP; J. Black, KDWP; J. Bruffy, USFWS; S. Chandler, USFWS; V. Cikanek, KDWP; D. Collins, USFWS; J. Dehoux, KDWP; J. Dubovsky, USFWS; M. Ealy, TPWD; B. Ferguson, NM DGF; A. Friesen, KDWP; J. Gammomley, CO P&W; M. Grovijahn, SD GFP; L. Hancock, USFWS; D. Haneke, KDWP&T; A. Heyer, NE Game & Parks; A. Jackson, KDWP; J. Job, ND GFD; M. Johnson, ND GFD; J. Jones, USFWS; K. Kreigel, TX P&W; K. Kruse, USFWS; J. Laing, TX P&W; T. Liddick, USFWS; K. Madden, NM DGF; M. McGinnis, KDWP; T. Menard, USFWS; R. Murano, SD GFP; J. Neal, OK Dept. of Wildlife; J. Richardson, OK Dept. of Wildlife; L. Roberts, WY G&F; N. Saake, Retired NV Dept of Wildlife; P. Schmidt, USFWS; K. Schoonover, OK Dept. of Wildlife; R. Schultheis, KDWP; R. Stutheit, NE Game & Parks; M. Szymanski, ND GFD; P. Thorpe, USFWS; M. Vrtiska, NE Game & Parks; B. Walker, OK Dept. of Wildlife; R. Warhurst, Ducks Unlimited

Pacific Flyway Wingbee, Anderson, CA; February 23 to 27, 2015

A. Anderson, USFWS; D. Base, WA DFW; C. Cain, USFWS; S. Chandler, USFWS; B. Czulinski, USFWS; C. Dau, USFWS; O. Duvuvuei, WA DFW; G. Gerstenberg, CA F&W; B. Gullett, IDFG; L. Haller, USFWS; J. Hunter, USFWS; J. Juarez, CA F&W; J. Kohl, USGS; J. Krueger, USFWS; J. Laughlin, USDA-APHIS-WS; B. Lowe, IDFG; B. Melton, USFWS; K. Neill, NV Dept. of Wildlife; S. Olson, USFWS; R. Prince, OR DFW; D. Rehse, CA F&W; B. Reishus, OR DFW; W. Rhodes, USFWS; K. Rogers, CA F&W; N. Saake, Retired NV Dept. of Wildlife; T. Sanders, USFWS; B. Sedinger, University of NV-Reno; B. Shults, USFWS; K. Smith, AK Dept. of Fish and Game; L. Souza, CA F&W; C. Terry, UNR; T. Thornton, OR DFW; A. Vande Voort, UT Division of Wildlife; K. Walton, OR DFW; M. Wilson, WA DFW

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