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Appendix A. Harvest Information Program waterfowl survey form.



Waterfowl Hunting Record

1. IF YOU DID NOT HUNT DUCKS, GEESE, OR BRANT THIS SEASON, please check the box to the right and mail this form.
2. Please record your personal hunting activity for each day you hunted ducks, geese, or brant in the State specified in the attached letter. Record the number of birds you personally bagged; DO NOT include birds shot by other people. Please include ALL of your hunts for the birds listed; if you did not bag any birds during a hunt, record zero (0) for the birds you hunted that day.
3. IF YOU HUNTED DUCKS, GEESE, OR BRANT BUT DO NOT HAVE DETAILED RECORDS, check the box to the right and go to question number 6 to record your Season Totals.
4. Please include additional comments on a **SEPARATE SHEET** of paper. 2 2

Please print all characters in **BLACK** ink using CAPITAL LETTERS ONLY as shown below.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

	Date of Hunt		County of Hunt	State of Hunt	Ducks	Number of Birds Killed and Retrieved		
	Month	Day				Sea Ducks	Geese	Brant
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								

5. IF YOU RUN OUT OF SPACE ON THIS FORM, please call 1-800-419-2965 from 7:30 am to 5:00 pm EST to receive an additional form. We will ask you for the serial number located at the bottom of this form.

6. SEASON TOTALS:

	Days Hunted	Birds Killed and Retrieved	Birds Downed but Lost
Ducks			
Sea Ducks			
Geese			
Brant			

Please call 1-800-327-BAND to report banded birds.

Appendix B. Hunter activity and harvest parameters and estimators.

N_h = total number of HIP-certified hunters (population size) in stratum h

$N = \sum_h N_h$ = total number of HIP-certified hunters in state

n_h = sample size in stratum h (number of returned questionnaires)

n_{ha} = number of active hunters in stratum h

Stratum level estimates:

y_{hi} = response (season days hunted, season birds bagged) for hunter i within stratum h

$$\bar{y}_h = \sum_i y_{hi} / n_h = \text{mean response for stratum h} \quad (1)$$

$$v(\bar{y}_h) = (s_h^2 / n_h) (1 - (n_h / N_h)) = \text{variance of mean response for stratum h} \quad (2)$$

$$\text{where } s_h^2 = \sum_i (y_{hi} - \bar{y}_h)^2 / (n_h - 1)$$

$$p_{ha} = n_{ha} / n_h = \text{proportion of active hunters} \quad (3)$$

$$v(p_{ha}) = (p_{ha} (1 - p_{ha}) (1 - (n_h / N_h))) / (n_h - 1) = \text{variance of proportion of active hunters} \quad (4)$$

State level estimates:

$$\hat{Y} = \sum_h N_h \bar{y}_h = \text{state total} \quad (5)$$

$$v(\hat{Y}) = \sum_h N_h^2 v(y_h) = \text{variance of state total} \quad (6)$$

$$p_a = \sum_h N_h p_{ha} / N = \text{state proportion of active hunters} \quad (7)$$

$$v(p_a) = \sum_h N_h^2 v(p_{ha}) / N^2 = \text{variance of state proportion of active hunters} \quad (8)$$

Appendix C1. Number of HIP name and address records from which the 1999 and 2000 HIP survey samples were selected.

State	1999	2000
Alabama	90,262	80,595
Alaska	8,368	8,829
Arizona	40,162	45,023
Arkansas	147,132	172,564
California	148,051	123,709
Colorado	47,642	42,793
Connecticut	6,127	7,139
Delaware	8,821	8,705
Florida	81,623	10,528
Georgia	101,082	95,691
Idaho	27,229	26,345
Illinois	69,134	72,306
Indiana	33,880	34,057
Iowa	30,285	27,313
Kansas	57,266	58,689
Kentucky	14,528	13,980
Louisiana	140,658	136,256
Maine	67,220	57,968
Maryland	24,731	25,441
Massachusetts	5,582	5,659
Michigan	103,675	105,361
Minnesota	107,995	183,692
Mississippi	56,790	56,194
Missouri	68,070	60,999
Montana	15,751	13,585
Nebraska	46,514	43,151
Nevada	10,295	9,854
New Hampshire	14,453	6,078
New Jersey	13,163	11,784
New Mexico	14,804	20,399
New York	37,287	35,698
North Carolina	209,076	230,206
North Dakota	51,444	41,097
Ohio	111,715	374,492
Oklahoma	41,671	23,078
Oregon	56,659	56,134
Pennsylvania	108,358	105,058
Rhode Island	2,018	1,870
South Carolina	92,883	85,290
South Dakota	45,828	35,595
Tennessee	120,542	299,613
Texas	763,361	810,533
Utah	32,369	31,643
Vermont	7,458	6,997
Virginia	45,160	44,768
Washington	42,067	33,261
West Virginia	2,888	2,807
Wisconsin	160,062	173,258
Wyoming	11,882	10,286
Total	3,544,021	3,966,371

Appendix C2. Expansion factors applied to the 1999 and 2000 HIP survey responses to estimate total hunter activity and harvest. Bold indicates that the expansion factor was determined by examining 6-year trends in HIP certifications (See Appendix D.)

State	1999	2000
Alabama	96,378	97,997
Alaska	9,333	9,789
Arizona	56,000	56,157
Arkansas	147,132	172,564
California	157,775	157,657
Colorado	48,300	46,427
Connecticut	7,787	7,342
Delaware	8,937	8,705
Florida	81,623	80,000
Georgia	148,898	150,000
Idaho	46,621	49,329
Illinois	69,134	72,306
Indiana	33,880	34,061
Iowa	30,285	31,244
Kansas	57,266	58,689
Kentucky	45,165	50,751
Louisiana	144,610	137,677
Maine	67,220	58,841
Maryland	50,164	49,231
Massachusetts	5,582	5,659
Michigan	103,675	105,361
Minnesota	180,000	183,692
Mississippi	59,542	61,917
Missouri	68,070	66,477
Montana	20,000	20,000
Nebraska	47,467	43,477
Nevada	10,423	9,854
New Hampshire	14,453	6,078
New Jersey	13,262	11,784
New Mexico	19,307	22,001
New York	37,291	35,698
North Carolina	209,076	230,206
North Dakota	52,546	50,000
Ohio	111,715	374,492
Oklahoma	66,862	58,632
Oregon	56,659	56,134
Pennsylvania	119,831	120,621
Rhode Island	2,222	1,984
South Carolina	94,951	87,830
South Dakota	49,103	45,961
Tennessee	230,000	299,613
Texas	763,361	810,533
Utah	32,709	31,643
Vermont	7,458	6,997
Virginia	45,841	44,768
Washington	47,097	45,207
West Virginia	3,259	3,485
Wisconsin	162,420	173,258
Wyoming	12,565	11,697
Total	3,953,255	4,353,826

Appendix D. Number of HIP certifications issued by each State during the 1999-2004 hunting seasons. (Blanks indicate unknown.)

State	1999	2000	2001	2002	2003	2004
Alabama	96,378	97,997	94,416	95,075	110,891	91,389
Alaska	9,333	9,789	9,421	8,942	9,086	8,240
Arizona	40,440	56,157	55,602	58,201	58,068	51,036
Arkansas	147,132	172,564	185,607	182,400	170,276	176,060
California	157,775	157,657	179,104	131,869		141,400
Colorado	48,300	46,427	47,621	41,565	43,422	41,568
Connecticut	7,787	7,342	7,337	7,065	6,841	6,729
Delaware	8,937	8,705	8,902	8,960	8,082	8,460
Florida	81,623	10,528	44,714	61,728	80,398	100,246
Georgia	148,898	95,691	167,141	151,176	95,728	177,388
Idaho	46,621	49,329	48,344	40,178	47,018	48,180
Illinois	69,134	72,306	75,809	75,391	57,294	78,285
Indiana	33,880	34,061	36,035	35,358	34,945	34,919
Iowa	30,285	31,244	40,209	37,326	35,428	35,358
Kansas	57,266	58,689	58,567	59,167	58,944	46,384
Kentucky	45,165	50,751	55,018	54,666	52,943	57,645
Louisiana	144,610	137,677	133,292	129,660	138,701	139,782
Maine	67,220	58,841	57,551		26,234	37,327
Maryland	50,164	49,231	55,800	37,056	44,824	47,476
Massachusetts	5,582	5,659	5,856	5,949	6,650	6,669
Michigan	103,675	105,361	89,320	120,212	152,340	149,003
Minnesota	107,995	183,692	179,685	183,879	185,822	189,069
Mississippi	59,542	61,917	59,693	17,940	58,717	113,796
Missouri	68,070	66,477	68,044	66,868	71,125	68,108
Montana	16,004	15,890	20,145	38,194	38,399	41,066
Nebraska	47,467	43,477	41,824	39,000	40,708	39,247
Nevada	10,423	9,854	9,900	10,384	9,744	9,057
New Hampshire	14,453	6,078	5,527	5,638	3,761	4,379
New Jersey	13,262	11,784	11,288	10,998	10,935	10,806
New Mexico	19,307	22,001	21,785	20,389	20,054	22,442
New York	37,291	35,698	35,902	32,895	33,476	34,229
North Carolina	209,076	230,206	239,251	194,608	198,031	220,782
North Dakota	52,546	41,097	49,641	48,354	54,534	52,554
Ohio	111,715	374,492	86,448	99,999	98,785	95,970
Oklahoma	66,862	58,632	50,862	55,331	50,313	52,554
Oregon	56,659	56,134	54,491	54,078	52,991	53,267
Pennsylvania	119,831	120,621	119,330	121,083	117,709	114,709
Rhode Island	2,222	1,984	2,058	1,493	862	1,756
South Carolina	94,951	87,830	85,985	99,020	55,882	108,930
South Dakota	49,103	45,961	48,297	46,817	44,557	43,201
Tennessee	120,542	299,613	223,809	302,765	138,226	176,792
Texas	763,361	810,533	796,667	779,128	679,148	862,634
Utah	32,709	31,643	30,187	21,663	28,067	29,190
Vermont	7,458	6,997	7,328	4,778	6,028	7,439
Virginia	45,841	44,768	45,598	48,451	43,015	44,058
Washington	47,097	45,207	47,284	45,032	45,168	45,335
West Virginia	3,259	3,485	3,632	3,459	3,568	4,479
Wisconsin	162,420	173,258	163,397	168,579	171,523	163,774
Wyoming	12,565	11,697	10,920	10,491	10,410	11,758
Total	3,752,236	4,217,032	3,974,644	3,873,258	3,509,671	4,104,925

Appendix E1. Summary of migratory bird hunters' answers to the HIP screening questions about prior-year duck hunting.

State	1999			Sea ducks	2000			Sea ducks	
	None	1-10	> 10		None	1-10	> 10	No	Yes
	Alabama	87,926	5,281		3,171		89,438	5,529	3,030
Alaska	5,041	1,811	1,617	864	5,704	2,006	2,079	7,741	2,048
Arizona	46,704	4,814	7,522		5,357	2,140	1,522		
Arkansas	90,948	19,921	36,263		109,982	23,074	39,508		
California	107,368	20,186	30,221		105,281	20,354	32,022		
Colorado	37,582	7,658	3,060		35,693	7,773	2,961		
Connecticut	7,221	393	173		4,616	2,111	615		
Delaware	5,473	1,810	1,266	388	5,351	1,973	1,381	8,368	337
Florida	77,074	2,310	2,239		72,713	4,086	3,201		
Georgia	136,467	8,016	4,415		134,792	10,087	5,121		
Idaho	30,930	7,866	7,825		35,032	7,369	6,928		
Illinois	48,174	11,585	9,375		47,840	14,881	9,585		
Indiana	24,524	6,042	3,314		24,017	6,913	3,131		
Iowa	14,448	9,185	6,652		14,623	10,599	6,022		
Kansas	39,528	8,115	9,623		40,611	8,744	9,334		
Kentucky	37,047	4,150	3,968		41,628	4,664	4,459		
Louisiana	71,153	10,813	62,644		74,739	25,720	37,218		
Maine	58,831	3,386	986	4,017	54,426	3,339	1,076	47,453	11,388
Maryland	33,710	6,353	4,998	5,103	34,950	7,715	6,566	44,260	4,971
Massachusetts	3,171	1,368	298	745	3,406	1,737	516	4,906	753
Michigan	73,760	19,738	10,177		75,762	19,310	10,289		
Minnesota	86,838	57,372	35,790		84,507	59,597	39,588		
Mississippi	47,089	5,957	6,495		47,584	6,737	7,596		
Missouri	51,003	8,261	8,806		49,962	8,327	8,188		
Montana	11,938	4,185	3,877		11,840	4,705	3,455		
Nebraska	30,874	10,383	6,210		27,343	10,021	6,113		
Nevada	6,941	1,678	1,804		6,287	1,916	1,651		
New Hampshire	10,789	1,938	625	1,101	4,066	1,561	451	5,704	374
New Jersey	8,076	2,888	1,302	996	7,114	3,135	1,535	10,841	943
New Mexico	18,009	858	440		19,792	1,337	872		
New York	22,287	8,906	3,632	2,466	21,472	9,740	4,486	33,384	2,314
North Carolina	165,661	32,191	11,224		182,440	34,964	12,802		
North Dakota	26,484	13,941	12,120		23,705	12,421	13,874		
Ohio	87,927	16,861	6,927		349,255	17,865	7,372		
Oklahoma	54,829	5,220	6,813		48,079	4,578	5,975		
Oregon	35,753	8,173	12,733		34,814	8,929	12,391		
Pennsylvania	97,947	17,399	4,485		102,878	13,011	4,732		
Rhode Island	1,103	310	124	685	1,132	575	277	1,396	588
South Carolina	78,700	9,418	6,833		72,666	8,471	6,693		
South Dakota	26,512	11,666	10,925		25,531	10,209	10,221		
Tennessee	208,219	11,362	10,419		276,086	9,415	14,112		
Texas	668,643	48,273	46,445		706,283	51,802	52,448		
Utah	18,630	7,422	6,657		17,810	7,664	6,169		
Vermont	5,671	1,093	694		5,340	1,034	623		
Virginia	37,219	5,049	2,072	1,501	36,360	5,759	2,649	43,609	1,159
Washington	22,058	9,465	15,574		21,470	9,289	14,448		
West Virginia	2,590	485	184		2,806	522	157		
Wisconsin	104,815	41,483	16,122		111,788	43,358	18,112		
Wyoming	8,925	2,335	1,305		8,249	2,212	1,236		

Appendix E2. Summary of migratory bird hunters' answers to the HIP screening questions about prior-year goose hunting.

State	1999			Brant	2000			Brant	
	None	1-10	> 10		None	1-10	> 10	No	Yes
Alabama	94,420	1,555	403		95,975	1,573	449		
Alaska	6,246	1,339	313	1,435	7,860	1,485	444	8,159	1,630
Arizona	57,017	1,552	471		7,850	1,003	166		
Arkansas	125,030	11,668	10,434		146,288	14,424	11,852		
California	131,372	21,022	5,381		128,457	22,641	6,559	148,446	9,211
Colorado	38,590	7,665	2,045		37,108	7,460	1,859		
Connecticut	6,552	194	1,041		5,431	1,521	390		
Delaware	7,959	105	61	812	7,657	794	254	7,974	731
Florida									
Georgia	145,609	2,868	421		143,276	4,943	1,781		
Idaho	33,594	7,410	5,617		41,184	6,682	1,463		
Illinois	56,114	10,973	2,047		55,792	13,738	2,776		
Indiana	26,085	6,398	1,397		26,082	6,604	1,375		
Iowa	20,286	8,597	1,402		20,755	8,868	1,621		
Kansas	44,533	8,502	4,231		46,180	8,548	3,961		
Kentucky	39,847	3,874	1,444		44,776	4,353	1,622		
Louisiana	81,432	59,465	3,713		110,788	17,148	9,741		
Maine	65,577	1,476	167		57,169	1,496	176		
Maryland	40,919	3,351	1,404	4,491	44,115	3,570	1,546	44,786	4,445
Massachusetts	3,346	774	124	1,338	4,253	1,154	252	4,382	1,277
Michigan	79,058	19,618	4,999		82,028	18,528	4,805		
Minnesota	112,891	53,654	13,455		113,719	55,329	14,644		
Mississippi	57,153	1,863	526		59,018	2,257	642		
Missouri	58,638	6,498	2,934		57,366	6,158	2,953		
Montana	14,452	4,447	1,101		13,315	4,417	2,268		
Nebraska	33,259	10,909	3,299		28,509	9,962	5,006		
Nevada	9,101	1,099	223		8,523	1,124	207		
New Hampshire	12,954	1,320	179		4,949	1,007	122	5,221	857
New Jersey	8,079	1,123	320	3,740	9,247	1,989	548	8,689	3,095
New Mexico	18,714	463	130		20,842	890	269		
New York	24,905	4,692	1,043	6,651	27,057	7,060	1,581	29,839	5,859
North Carolina	146,680	9,717	1,536	51,143	200,453	24,886	4,867	167,740	62,466
North Dakota	32,678	14,732	5,136		31,704	13,680	4,616		
Ohio	91,679	15,714	4,322		353,376	16,666	4,450		
Oklahoma	60,055	4,583	2,224		52,663	4,019	1,950		
Oregon	40,507	6,184	2,866	7,102	44,800	7,613	3,721	48,577	7,557
Pennsylvania	99,729	16,869	3,233		99,562	17,660	3,399		
Rhode Island	1,283	0	0	939	1,421	452	111	1,108	876
South Carolina	91,583	3,044	324		84,647	2,847	336		
South Dakota	28,941	15,208	4,954		26,664	13,731	5,566		
Tennessee	216,315	8,027	5,658		283,897	6,916	8,800		
Texas	717,243	29,426	16,692		747,641	41,680	21,212		
Utah	27,825	4,315	569		27,219	3,912	512		
Vermont	6,704	608	146		6,219	661	117		
Virginia	39,142	3,150	764	2,785	39,826	3,989	953	42,295	2,473
Washington	33,895	9,591	3,611		32,675	9,103	3,429		
West Virginia	2,728	422	109		2,846	497	142		
Wisconsin	136,333	25,366	721		137,962	33,839	1,457		
Wyoming	9,456	2,538	571		8,916	2,266	515		

Appendix E3. Summary of migratory bird hunters' answers to the HIP screening questions about prior-year dove and band-tailed pigeon (BTP) hunting.

State	1999				2000			BTP	
	None	1-30	> 30	BTP	None	1-30	> 30	No	Yes
	Alabama	64,799	22,800	8,779		67,798	20,685	9,514	
Arizona	25,658	16,308	5,338	11,736	23,292	23,364	9,501	37,612	18,545
Arkansas	106,413	25,474	15,245		128,667	28,151	15,746		
California	89,035	47,157	10,571	11,012	87,632	55,291	14,734	128,101	29,556
Colorado	34,225	9,579	774	3,722	34,131	10,847	1,449	45,382	1,045
Delaware	5,486	2,862	589		5,194	2,784	727		
Florida	73,405	5,694	2,524		64,507	12,356	3,137		
Georgia	90,870	57,671	356		93,331	42,595	14,074		
Idaho	39,805	6,720	96		42,311	6,343	675		
Illinois	45,992	19,551	3,591		48,768	19,093	4,445		
Indiana	23,628	8,609	1,643		22,962	8,795	2,304		
Kansas	25,401	21,005	10,860		26,182	21,625	10,882		
Kentucky	29,601	10,585	4,979		29,792	14,030	6,929		
Louisiana	96,762	16,283	31,565		90,638	36,648	10,391		
Maryland	36,659	10,554	2,951		37,061	9,349	2,821		
Mississippi	34,375	19,209	5,958		34,859	20,888	6,170		
Missouri	49,464	13,319	5,287		49,367	12,185	4,925		
Montana	18,605	1,113	282		18,671	1,071	258		
Nebraska	29,351	15,345	2,771		25,939	13,405	4,133		
Nevada	7,714	2,516	193		7,212	2,415	227		
New Mexico	16,537	1,878	318	574	15,201	4,692	2,108	20,948	1,053
North Carolina	117,795	88,576	2,705		134,842	92,212	3,152		
North Dakota	46,038	5,442	1,066		44,207	5,015	778		
Ohio	86,976	20,859	3,880		348,828	21,378	4,286		
Oklahoma	45,884	14,617	6,361		40,237	12,817	5,578		
Oregon	43,717	2,813	652	9,477	51,291	3,856	987	46,099	10,035
Pennsylvania	85,029	29,501	5,301		81,761	32,627	6,233		
Rhode Island	1,821	364	37		1,660	290	34		
South Carolina	54,440	28,578	11,933		51,140	25,489	11,201		
South Dakota	37,059	10,040	2,004		35,296	8,800	1,865		
Tennessee	190,992	25,668	13,340		260,972	22,257	16,384		
Texas	463,628	186,866	112,867		476,617	208,420	125,496		
Utah	20,827	6,044	413	5,425	23,755	7,379	509	29,768	1,875
Virginia	25,807	17,566	2,468		24,587	17,199	2,982		
Washington	42,234	3,956	907		40,312	3,994	901		
West Virginia	2,374	711	175		2,238	1,006	241		
Wyoming	10,568	1,702	295		9,663	1,726	308		

Appendix E4. Summary of migratory bird hunters' answers to the HIP screening questions about prior-year woodcock hunting.

State	1999		2000	
	No	Yes	No	Yes
Alabama	95,656	722	97,167	830
Arkansas	145,116	2,016	168,929	2,751
Connecticut	7,355	432	6,513	829
Delaware	8,778	159	8,579	126
Florida	79,527	2,096	78,050	1,950
Georgia	148,192	706	143,228	6,772
Illinois	68,567	567	71,737	569
Indiana	33,172	708	33,354	707
Iowa	30,260	25	30,827	417
Kansas	57,120	146	58,531	158
Kentucky	44,538	627	50,047	704
Louisiana	142,758	1,852	129,652	8,025
Maine	63,282	3,938	55,345	3,496
Maryland	48,971	1,193	48,236	995
Massachusetts	4,888	694	4,971	688
Michigan	126,819	23,181	126,819	23,181
Minnesota	167,628	12,372	170,046	13,646
Mississippi	59,239	303	61,518	399
Missouri	67,275	795	65,823	654
Nebraska	47,255	212	43,294	183
New Hampshire	11,801	2,652	4,873	1,205
New Jersey	12,650	612	11,163	621
New York	34,736	2,555	33,183	2,515
North Carolina	188,117	20,959	206,829	23,377
Ohio	105,916	5,799	369,251	5,241
Oklahoma	66,276	586	58,118	514
Pennsylvania	112,214	7,617	112,208	8,413
Rhode Island	2,029	193	1,848	136
South Carolina	93,823	1,128	86,873	957
Tennessee	224,664	5,336	291,081	8,532
Texas	752,368	10,993	784,053	26,480
Vermont	6,503	955	6,184	813
Virginia	45,113	728	44,036	732
West Virginia	3,114	145	3,328	157
Wisconsin	148,444	13,976	159,481	13,777

Appendix E5. Summary of migratory bird hunters' answers to the HIP screening questions about prior-year snipe, rail, gallinule, and coot hunting.

State	1999				2000			
	Snipe/coots		Rails/gallinules		Snipe/coots		Rails/gallinules	
	No	Yes	No	Yes	No	Yes	No	Yes
Alabama	93,111	3,267	93,054	3,324	72,565	25,432	73,297	24,700
Alaska	8,831	502			8,003	1,786		
Arizona	58,685	355	58,766	274	58,818	596	58,595	819
Arkansas	143,001	4,131	145,118	2,014	167,050	5,514	169,018	3,546
California	147,694	10,081	154,992	2,783	146,330	11,327	153,391	4,266
Colorado	47,156	1,144	47,751	549	45,465	962	46,016	411
Connecticut	7,409	378	7,782	5	7,243	99	7,243	99
Delaware	8,757	180	8,865	72	8,564	141	8,634	71
Florida	79,193	2,430	78,784	2,839	76,600	3,400	77,488	2,512
Georgia	147,756	1,142	148,871	27	144,210	5,790	150,000	0
Idaho	41,669	4,952			48,578	751		
Illinois	68,309	825	68,870	264	71,567	739	72,106	200
Indiana	33,100	780	33,653	227	33,340	721	33,870	191
Iowa	28,827	1,458	29,709	576	30,050	1,194	30,851	393
Kansas	56,501	765	56,795	471	58,005	684	58,253	436
Kentucky	44,687	478	45,068	97	50,214	537	50,642	109
Louisiana	136,788	7,822	136,788	7,822	126,849	10,828	128,846	8,831
Maine	55,567	11,653	55,560	11,660	48,504	10,337	48,474	10,367
Maryland	48,651	1,513	49,020	1,144	47,507	1,724	47,828	1,403
Massachusetts	5,387	195	5,461	121	5,530	129	5,610	49
Michigan	95,558	8,117	95,558	8,117	96,128	9,233	96,128	9,233
Minnesota	175,883	4,117	177,927	2,073	178,972	4,720	181,726	1,966
Mississippi	58,902	640	59,274	268	61,179	738	61,553	364
Missouri	67,449	621	68,070	0	65,912	565	66,475	2
Montana	19,562	438			19,677	323		
Nebraska	46,797	670	47,238	229	43,173	304	43,297	180
Nevada	10,227	196	10,367	56	9,702	152	9,818	36
New Hampshire	13,577	876			5,803	275		
New Jersey	12,971	291	12,842	420	11,517	267	11,442	342
New Mexico	19,240	67	19,273	34	21,849	152	21,954	47
New York	35,889	1,402	36,645	646	34,436	1,262	35,157	541
North Carolina	205,480	3,596	207,743	1,333	227,084	3,122	229,192	1,014
North Dakota	51,607	939			49,713	287		
Ohio	103,289	8,426	104,471	7,244	365,348	9,144	366,106	8,386
Oklahoma	64,130	2,732	64,336	2,526	56,237	2,395	56,417	2,215
Oregon	56,659	0			56,134	0		
Pennsylvania	119,089	742	119,557	274	119,571	1,050	120,132	489
Rhode Island	1,831	391	1,848	374	1,661	323	1,680	304
South Carolina	89,839	5,112	89,918	5,033	84,101	3,729	84,129	3,701
South Dakota	46,825	2,278			43,866	2,095		
Tennessee	224,779	5,221	225,216	4,784	291,161	8,452	291,772	7,841
Texas	745,257	18,104	751,548	11,813	774,781	35,752	783,373	27,160
Utah	31,804	905			30,847	796		
Vermont	5,047	2,411			5,136	1,861		
Virginia	44,807	1,034	45,139	702	43,933	835	44,198	570
Washington	45,636	1,461			44,039	1,168		
West Virginia	3,215	44	3,246	13	3,444	41	3,470	15
Wisconsin	155,834	6,586	159,035	3,385	166,445	6,813	168,386	4,872
Wyoming	12,371	194	12,527	38	11,510	187	11,645	52

Appendix F1. Stratum-specific sample sizes for the 1999 and 2000 HIP waterfowl harvest surveys: duck strata.

State	1999			Sea ducks	2000			Sea ducks	
	None	1-10	> 10		None	1-10	> 10	No	Yes
	Alabama	632	45		234		349	78	69
Alaska	155	99	114	102	392	225	368	414	571
Arizona	279	93	244		308	19	20		
Arkansas	769	521	1,814		880	558	1,902		
California	1,206	412	941		901	276	661		
Colorado	326	205	151		295	204	139		
Connecticut	209	33	42		117	267	135		
Delaware	186	160	281	82	185	269	320	688	86
Florida	634	156	267		65	17	25		
Georgia	715	179	186		601	191	177		
Idaho	86	225	448		89	204	360		
Illinois	421	298	432		403	369	445		
Indiana	175	188	202		167	207	170		
Iowa	321	277	343		279	245	223		
Kansas	81	40	154		292	258	564		
Kentucky	306	258	602		54	23	38		
Louisiana	521	246	1,584		675	562	1,196		
Maine	1,128	86	33	82	1,212	220	72	425	1,079
Maryland	617	193	249	489	409	205	265	592	287
Massachusetts	291	155	45	244	156	140	73	251	118
Michigan	665	502	486		538	427	439		
Minnesota	384	782	727		739	1,360	1,265		
Mississippi	280	144	287		285	167	375		
Missouri	354	233	503		314	222	448		
Montana	67	95	175		184	367	374		
Nebraska	438	534	381		476	499	489		
Nevada	106	96	139		143	211	350		
New Hampshire	1,760	341	58	154	80	126	65	222	50
New Jersey	243	151	102	229	229	211	163	406	197
New Mexico	326	69	44		376	148	183		
New York	477	394	249	336	209	309	231	617	132
North Carolina	357	375	237		422	412	289		
North Dakota	258	369	613		129	309	610		
Ohio	617	522	406		2,228	517	437		
Oklahoma	452	270	649		135	43	115		
Oregon	811	351	933		545	293	727		
Pennsylvania	616	487	244		672	375	261		
Rhode Island	87	147	65	384	111	202	115	190	238
South Carolina	508	282	364		350	177	236		
South Dakota	253	305	502		170	196	362		
Tennessee	879	141	371		1,372	230	700		
Texas	2,696	1,017	1,428		2,559	944	1,460		
Utah	128	214	360		108	234	348		
Vermont	112	87	142		125	139	145		
Virginia	377	184	125	302	270	230	182	522	160
Washington	148	181	945		162	194	598		
West Virginia	10	1	363		55	34	24		
Wisconsin	742	865	628		828	914	665		
Wyoming	49	52	39		249	290	296		

Appendix F2. Stratum-specific sample sizes for the 1999 and 2000 HIP waterfowl harvest surveys: goose strata.

State	1999				2000					
	None	1-10	> 10	Brant	None	1-10	> 10	Brant		
								No	Yes	
Alabama	783	11	117		465	22	9			
Alaska	98	73	20	279	661	237	87	490	495	
Arizona	567	36	13		334	10	3			
Arkansas	1,992	443	669		2,182	511	647			
California	1,741	606	212		1,263	441	134	1,645	193	
Colorado	395	197	90		366	183	89			
Connecticut	163	6	115		191	228	100			
Delaware	472	14	14	209	532	164	78	619	155	
Florida										
Georgia	964	93	23		836	93	40			
Idaho	343	304	112		320	248	85			
Illinois	696	343	112		694	383	140			
Indiana	270	213	82		247	218	79			
Iowa	491	429	121		391	275	81			
Kansas	195	41	39		521	350	243			
Kentucky	522	357	287		74	29	12			
Louisiana	882	1,347	122		1,599	471	363			
Maine	1,298	29	2		1,383	110	11			
Maryland	335	62	44	1,107	709	103	67	447	432	
Massachusetts	67	30	2	636	254	81	34	116	253	
Michigan	855	549	249		725	462	217			
Minnesota	764	959	170		1,440	1,435	489			
Mississippi	615	76	20		686	104	37			
Missouri	649	277	164		583	236	165			
Montana	143	147	47		789	85	51			
Nebraska	640	484	229		597	482	385			
Nevada	245	71	25		419	225	60			
New Hampshire	2,137	162	14		128	117	27	245	27	
New Jersey	160	45	19	501	387	155	61	222	381	
New Mexico	384	39	16		509	131	67			
New York	429	161	49	817	407	254	88	448	301	
North Carolina	452	129	40	348	673	335	115	724	399	
North Dakota	463	509	268		355	448	245			
Ohio	803	481	261		2,407	518	257			
Oklahoma	882	293	196		201	66	26			
Oregon	613	273	185	1,024	980	346	239			
Pennsylvania	799	407	141		773	388	147			
Rhode Island	129	0	0	554	183	194	51	76	352	
South Carolina	1,015	125	14		676	69	18			
South Dakota	360	453	247		220	304	204			
Tennessee	1,084	144	163		1,598	229	475			
Texas	3,851	705	585		3,567	776	620			
Utah	488	182	32		484	177	29			
Vermont	233	78	30		232	146	31			
Virginia	530	110	35	313	467	155	60	504	178	
Washington	539	436	299		495	311	148			
West Virginia	39	334	1		55	38	20			
Wisconsin	1,620	584	31		1,539	811	57			
Wyoming	68	50	22		317	384	134			

Appendix F3. Stratum-specific sample sizes for the 1999 and 2000 HIP dove and band-tailed pigeon (BTP) harvest surveys.

State	1999				2000				
	None	1-30	> 30	BTP	None	1-30	> 30	BTP	
								No	Yes
Alabama	429	601	380		234	351	254		
Arizona	138	357	178	156	131	512	294	589	348
Arkansas	698	836	749		862	877	763		
California	370	535	446	630	232	414	408	802	252
Colorado	202	279	32	176	171	385	127	661	22
Delaware	47	164	48		41	223	108		
Florida	665	428	282		67	44	28		
Georgia	529	1,433	11		400	1,036	668		
Idaho	158	409	9		170	521	112		
Illinois	276	584	188		267	560	199		
Indiana	134	325	150		118	313	209		
Kansas	96	4	0		136	615	475		
Kentucky	143	651	528		41	164	152		
Louisiana	314	269	894		433	700	398		
Maryland	105	189	127		106	170	127		
Mississippi	216	544	243		217	623	270		
Missouri	312	402	235		288	349	211		
Montana	76	30	19		72	54	21		
Nebraska	296	589	146		234	780	360		
Nevada	83	118	23		53	190	33		
New Mexico	80	66	41	110	138	357	342	762	75
North Carolina	218	819	46		260	893	121		
North Dakota	297	210	102		202	187	73		
Ohio	548	605	168		1,679	575	184		
Oklahoma	324	991	639		140	115	67		
Oregon	283	164	56	750	343	309	160	610	202
Pennsylvania	589	854	234		561	940	261		
Rhode Island	4	5	1		14	16	7		
South Carolina	398	881	551		263	527	336		
South Dakota	197	349	175		138	213	111		
Tennessee	446	324	313		510	429	590		
Texas	2,255	1,818	2,184		1,996	1,766	2,137		
Utah	121	219	37	1,926	214	694	96	901	103
Virginia	182	535	112		98	447	123		
Washington	241	107	21		162	268	123		
West Virginia	4	11	102		24	134	79		
Wyoming	38	80	22		42	112	38		

Appendix F4. Stratum-specific sample sizes for the 1999 and 2000 HIP woodcock harvest surveys.

State	1999		2000	
	No	Yes	No	Yes
Alabama	34	948	115	205
Arkansas	280	222	402	735
Connecticut	15	41	48	123
Delaware	19	17	79	23
Florida	177	0	26	0
Georgia	278	4	240	0
Illinois	142	64	138	93
Indiana	74	86	70	128
Iowa	272	0	43	55
Kansas	124	13	115	22
Kentucky	31	15	16	0
Louisiana	288	65	375	854
Maine	1,858	2,572	154	249
Maryland	58	72	55	94
Massachusetts	11	34	43	127
Michigan	278	663	287	485
Minnesota	217	473	478	671
Mississippi	126	57	134	68
Missouri	140	91	129	113
Nebraska	148	34	172	32
New Hampshire	7	421	31	147
New Jersey	28	29	99	111
New York	88	123	49	164
North Carolina	172	379	204	461
Ohio	219	247	576	210
Oklahoma	211	151	56	31
Pennsylvania	168	236	169	269
Rhode Island	10	66	22	42
South Carolina	213	133	147	138
Tennessee	263	104	288	421
Texas	374	0	349	0
Vermont	12	97	44	127
Virginia	98	82	72	122
West Virginia	6	0	45	38
Wisconsin	487	571	263	573

Appendix F5. Stratum-specific sample sizes for the 1999 and 2000 HIP snipe, rail, gallinule, and coot harvest surveys.

State	1999				2000			
	Snipe/coots		Rails/gallinules		Snipe/coots		Rails/gallinules	
	No	Yes	No	Yes	No	Yes	No	Yes
Alabama	576	262	435	403	535	1,748	378	1,905
Alaska	28	37			31	344		
Arizona	172	45	171	46	216	101	183	134
Arkansas	314	320	377	257	404	532	467	469
California	216	314	365	165	234	401	382	253
Colorado	101	77	113	65	101	67	119	49
Connecticut	12	17	28	1	122	20	129	13
Delaware	101	48	112	37	169	41	176	34
Florida	490	562	325	727	21	138	40	119
Georgia	217	46	261	2	180	321		
Idaho	53	14			96	66		
Illinois	132	49	152	29	142	45	165	22
Indiana	69	50	91	28	68	44	87	25
Iowa	69	112	105	76	38	51	61	28
Kansas	207	123	230	100	247	126	263	110
Kentucky	23	80	99	4	17	4	20	1
Louisiana	162	265	166	261	314	359	269	404
Maine	7,926	115	7,945	96	168	178	170	176
Maryland	91	72	120	43	107	195	115	187
Massachusetts	68	74	70	72	111	38	123	26
Michigan	155	900	155	900	153	136	153	136
Minnesota	135	893	162	866	293	33	309	17
Mississippi	181	12	182	11	93	15	94	14
Missouri	122	27	149	0	117	24	141	0
Montana	46	131			46	159		
Nebraska	163	138	259	42	84	23	90	17
Nevada	41	47	69	19	185	32	200	17
New Hampshire	55	133			73	32		
New Jersey	95	56	61	90	78	43	53	68
New Mexico	66	9	70	5	344	34	358	20
New York	80	106	112	74	50	48	64	34
North Carolina	197	53	218	32	227	50	250	27
North Dakota	87	23			62	7		
Ohio	244	1,033	289	988	672	152	680	144
Oklahoma	233	948	207	974	45	68	49	64
Oregon	109	0			95	0		
Pennsylvania	304	50	321	33	448	128	488	89
Rhode Island	16	155	16	155	24	123	27	120
South Carolina	166	319	155	330	108	192	102	198
South Dakota	82	106			59	74		
Tennessee	194	171	201	164	303	549	308	544
Texas	633	587	666	554	604	1,191	617	1,178
Utah	122	89			119	84		
Vermont	40	267			94	177		
Virginia	124	70	118	76	77	48	80	45
Washington	710	0			62	0		
West Virginia	31	3	23	11	46	7	49	4
Wisconsin	256	232	304	184	243	193	274	162
Wyoming	27	14	36	5	187	46	207	26

Appendix G1. Sample sizes and response rates for the 1999 and 2000 HIP waterfowl harvest surveys.

State	1999				2000			
	Surveys			Response rate (%)	Surveys			Response rate (%)
	Mailed	Delivered	Returned		Mailed	Delivered	Returned	
Alabama	911	866	385	44	496	474	211	45
Alaska	470	458	242	53	985	957	652	68
Arizona	616	585	298	51	347	327	183	56
Arkansas	3,104	2,794	1,325	47	3,340	3,048	1,536	50
California	2,559	2,416	1,238	51	1,838	1,772	1,034	58
Colorado	682	610	377	62	638	585	360	62
Connecticut	284	274	191	70	519	500	306	61
Delaware	709	635	334	53	774	706	334	47
Florida	1,057	611	253	41	107	75	40	53
Georgia	1,080	973	350	36	969	864	382	44
Idaho	759	712	434	61	653	617	375	61
Illinois	1,151	1,079	620	57	1,217	1,138	725	64
Indiana	565	523	279	53	544	512	309	60
Iowa	941	863	509	59	747	694	426	61
Kansas	1,166	1,096	655	60	1,114	1,817	580	32
Kentucky	275	262	120	46	115	114	52	46
Louisiana	2,351	2,211	1,040	47	2,433	2,121	881	42
Maine	1,329	1,225	510	42	1,504	1,387	692	50
Maryland	1,548	1,414	721	51	879	784	409	52
Massachusetts	735	683	506	74	369	355	252	71
Michigan	1,653	1,588	837	53	1,404	1,364	742	54
Minnesota	1,893	1,817	928	51	3,364	3,254	2,004	62
Mississippi	711	679	356	52	827	807	387	48
Missouri	1,090	960	503	52	984	851	435	51
Montana	337	326	187	57	925	889	570	64
Nebraska	1,353	1,273	760	60	1,464	2,406	862	36
Nevada	341	301	196	65	704	612	429	70
New Hampshire	2,313	2,236	1,064	48	271	247	166	67
New Jersey	725	679	374	55	603	836	324	39
New Mexico	439	409	252	62	707	662	395	60
New York	1,456	1,325	810	61	749	697	436	63
North Carolina	969	899	414	46	1,123	1,028	458	45
North Dakota	1,240	1,172	657	56	1,048	1,034	646	62
Ohio	1,545	1,449	812	56	3,182	2,984	1,392	47
Oklahoma	1,371	1,236	637	52	293	252	109	43
Oregon	2,095	1,989	1,140	57	1,565	1,493	861	58
Pennsylvania	1,347	1,314	785	60	1,308	1,282	732	57
Rhode Island	683	669	458	68	428	418	249	60
South Carolina	1,154	1,054	398	38	763	716	325	45
South Dakota	1,060	986	650	66	728	684	427	62
Tennessee	1,391	1,251	455	36	2,302	2,090	710	34
Texas	5,141	4,627	2,048	44	4,963	4,422	1,872	42
Utah	702	626	343	55	690	627	359	57
Vermont	341	320	188	59	409	388	220	57
Virginia	988	881	512	58	682	622	359	58
Washington	1,274	1,161	685	59	954	871	532	61
West Virginia	374	359	207	58	113	112	74	66
Wisconsin	2,235	2,150	1,291	60	2,407	2,362	1,569	66
Wyoming	140	134	86	64	835	813	523	64
Total	58,653	54,160	28,420	52	55,383	53,670	27,906	52

Appendix G2. Sample sizes and response rates for the 1999 and 2000 HIP dove and band-tailed pigeon harvest surveys.

State	1999				2000			
	Surveys			Response rate (%)	Surveys			Response rate (%)
	Mailed	Delivered	Returned		Mailed	Delivered	Returned	
Alabama	1,410	1,351	616	46	839	792	378	48
Arizona	829	802	483	60	937	881	525	60
Arkansas	2,283	2,077	1,052	51	2,502	2,273	1,128	50
California	1,981	1,879	1,056	56	1,054	1,006	602	60
Colorado	689	632	452	72	683	611	425	70
Delaware	259	231	120	52	372	341	179	52
Florida	1,375	731	377	52	139	85	51	60
Georgia	1,973	1,752	820	47	2,104	1,894	860	45
Idaho	576	537	378	70	803	743	510	69
Illinois	1,048	972	684	70	1,026	949	627	66
Indiana	609	553	349	63	640	599	366	61
Kansas	1,322	1,274	860	68	1,226	1,170	707	60
Kentucky	100	97	46	47	357	342	171	50
Louisiana	1,477	1,398	646	46	1,531	1,353	623	46
Maryland	421	391	228	58	403	369	212	57
Mississippi	1,003	966	490	51	1,110	1,070	508	47
Missouri	949	852	483	57	848	752	404	54
Montana	125	123	82	67	147	139	100	72
Nebraska	1,031	972	653	67	1,374	1,350	886	66
Nevada	224	192	134	70	276	246	180	73
New Mexico	297	272	161	59	837	788	429	54
North Carolina	1,083	1,016	488	48	1,274	1,190	584	49
North Dakota	609	569	403	71	462	454	310	68
Ohio	1,321	1,241	709	57	2,438	2,302	1,224	53
Oklahoma	1,954	1,788	1,007	56	322	288	138	48
Oregon	1,253	1,206	780	65	812	775	483	62
Pennsylvania	1,677	1,637	940	57	1,762	1,727	972	56
Rhode Island	10	10	8	80	37	35	25	71
South Carolina	1,830	1,696	833	49	1,126	1,042	524	50
South Dakota	721	685	480	70	462	441	302	68
Tennessee	1,083	984	384	39	1,529	1,375	579	42
Texas	6,257	5,667	2,627	46	5,899	5,209	2,333	45
Utah	2,303	2,184	1,684	77	1,004	928	564	61
Virginia	829	754	460	61	668	626	404	65
Washington	369	335	243	73	553	503	349	69
West Virginia	117	114	76	67	237	228	134	59
Wyoming	140	138	106	77	192	190	126	66
Total	41,537	38,078	21,398	56	37,985	35,066	18,922	54

Appendix G3. Sample sizes and response rates for the 1999 and 2000 HIP woodcock harvest surveys.

State	1999				2000			
	Surveys			Response rate (%)	Surveys			Response rate (%)
	Mailed	Delivered	Returned		Mailed	Delivered	Returned	
Alabama	982	922	499	54	320	303	165	54
Arkansas	502	443	218	49	1,137	999	456	46
Connecticut	56	53	38	72	171	166	123	74
Delaware	36	33	14	42	102	87	50	57
Florida	177	111	62	56	26	17	7	41
Georgia	282	253	128	51	240	214	94	44
Illinois	206	191	115	60	231	217	144	66
Indiana	160	153	99	65	198	175	101	58
Iowa	272	261	196	75	98	91	64	70
Kansas	137	131	95	73	137	132	85	64
Kentucky	46	43	18	42	16	16	5	31
Louisiana	353	332	177	53	1,229	1,068	509	48
Maine	4,430	4,139	2,510	61	403	378	250	66
Maryland	130	119	70	59	149	132	72	55
Massachusetts	45	43	38	88	170	159	125	79
Michigan	941	909	530	58	772	750	455	61
Minnesota	690	665	465	70	1,149	1,105	732	66
Mississippi	183	174	106	61	202	189	87	46
Missouri	231	210	65	31	242	209	127	61
Nebraska	182	166	117	70	204	198	143	72
New Hampshire	428	411	261	64	178	167	130	78
New Jersey	57	52	33	63	210	186	125	67
New York	211	192	148	77	213	200	153	77
North Carolina	551	499	243	49	665	601	262	44
Ohio	466	437	247	57	786	737	361	49
Oklahoma	362	326	177	54	87	68	40	59
Pennsylvania	404	396	259	65	438	432	275	64
Rhode Island	76	75	50	67	64	64	45	70
South Carolina	346	320	159	50	285	269	155	58
Tennessee	367	330	141	43	709	622	243	39
Texas	374	322	159	49	349	300	139	46
Vermont	109	106	74	70	171	170	106	62
Virginia	180	164	110	67	194	180	123	68
West Virginia	6	6	4	67	83	78	48	62
Wisconsin	1,058	1,014	751	74	836	817	586	72
Total	15,036	14,001	8,376	60	12,464	11,496	6,585	57

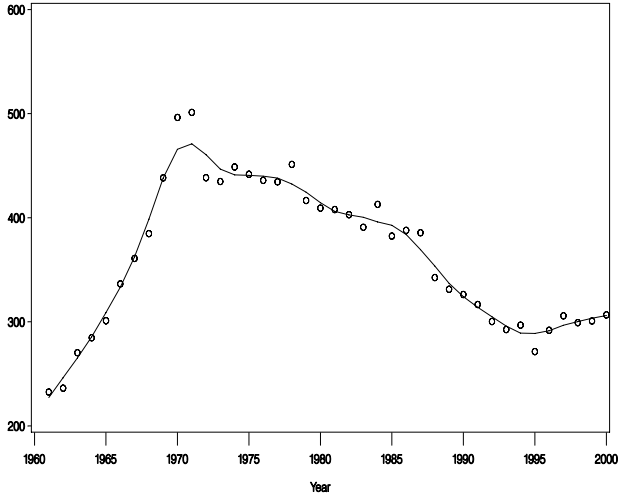
Appendix G4. Sample sizes and response rates for the 1999 and 2000 HIP snipe, rail, gallinule, and coot harvest surveys.

State	1999				2000			
	Surveys			Response rate (%)	Surveys			Response rate (%)
	Mailed	Delivered	Returned		Mailed	Delivered	Returned	
Alabama	838	798	407	51	2,283	2,164	1,024	47
Alaska	65	65	46	71	375	356	240	67
Arizona	217	204	121	59	317	295	162	55
Arkansas	634	551	287	52	936	835	358	43
California	530	493	295	60	635	609	342	56
Colorado	178	155	95	61	168	154	101	66
Connecticut	29	28	21	75	142	137	99	72
Delaware	149	129	77	60	210	185	100	54
Florida	1,052	664	345	52	159	93	57	61
Georgia	263	235	116	49	501	450	212	47
Idaho	67	62	37	60	162	148	86	58
Illinois	181	164	98	60	187	178	119	67
Indiana	119	112	64	57	112	101	63	62
Iowa	181	171	112	65	89	81	52	64
Kansas	330	311	200	64	373	353	210	59
Kentucky	103	100	54	54	21	20	7	35
Louisiana	427	398	213	54	673	585	243	42
Maine	8,041	7,511	4,002	53	346	317	164	52
Maryland	163	147	88	60	302	262	138	53
Massachusetts	142	136	100	74	149	138	103	75
Michigan	1,055	1,024	507	50	289	281	159	57
Minnesota	1,028	972	632	65	326	314	190	61
Mississippi	193	183	86	47	108	104	39	38
Missouri	149	137	80	58	141	123	61	50
Montana	177	167	117	70	205	191	122	64
Nebraska	301	287	166	58	107	104	72	69
Nevada	88	78	50	64	217	183	121	66
New Hampshire	188	180	112	62	105	97	63	65
New Jersey	151	130	82	63	121	111	65	59
New Mexico	75	71	48	68	378	355	187	53
New York	186	163	107	66	98	92	64	70
North Carolina	250	229	124	54	277	266	136	51
North Dakota	110	98	61	62	69	69	45	65
Ohio	1,277	1,204	656	54	824	761	313	41
Oklahoma	1,181	1,053	545	52	113	97	49	51
Oregon	109	105	67	64	95	85	46	54
Pennsylvania	354	341	217	64	576	555	348	63
Rhode Island	171	165	102	62	147	142	96	68
South Carolina	485	464	288	62	300	279	137	49
South Dakota	188	174	131	75	133	127	87	69
Tennessee	365	313	111	35	852	744	244	33
Texas	1,220	1,094	498	46	1,795	1,579	670	42
Utah	211	201	128	64	203	183	118	64
Vermont	307	285	164	58	271	254	161	63
Virginia	194	171	116	68	125	112	67	60
Washington	710	635	469	74	62	59	32	54
West Virginia	34	32	16	50	53	51	33	65
Wisconsin	488	477	333	70	436	425	296	70
Wyoming	41	39	23	59	233	222	151	68
Total	24,995	22,906	12,814	56	16,799	15,426	8,052	52

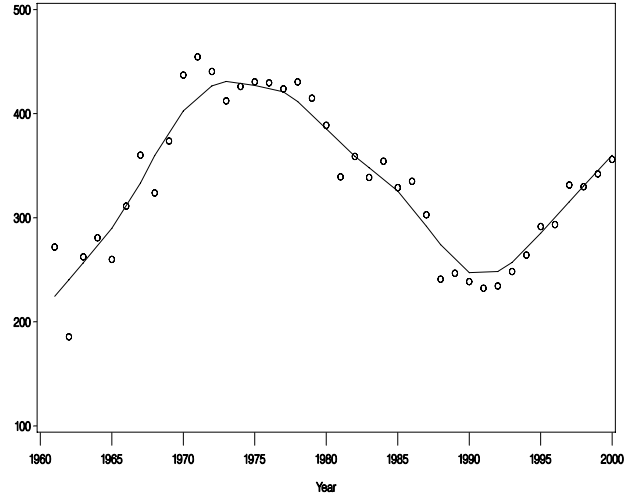
Appendix H. Number of Federal Duck Stamps sold in 1999 and 2000 by state and flyway.

State / Flyway	Duck Stamp Sales		State / Flyway	Duck Stamp Sales	
	1999	2000		1999	2000
Connecticut	6,730	4,292	Colorado	34,327	35,605
Delaware	6,700	6,832	Kansas	26,484	29,195
Washington D.C.	1,221	1,510	Montana	7,279	7,265
Florida	22,295	20,097	Nebraska	34,322	37,072
Georgia	22,510	23,771	New Mexico	4,216	4,214
Maine	10,733	10,810	North Dakota	36,455	34,926
Maryland	24,111	24,813	Oklahoma	20,263	21,362
Massachusetts	11,053	9,382	South Dakota	33,596	32,445
New Hampshire	5,490	5,132	Texas	136,093	144,369
New Jersey	13,848	12,632	Wyoming	9,147	9,644
New York	39,306	42,024	Central Flyway	342,182	356,095
North Carolina	31,534	34,393			
Pennsylvania	51,279	52,602	Arizona	7,273	7,085
Rhode Island	1,777	1,618	California	78,886	79,288
South Carolina	22,322	25,056	Colorado	8,708	6,289
Vermont	4,542	4,741	Idaho	25,802	27,408
Virginia	23,382	24,928	Montana	14,706	13,067
West Virginia	2,014	2,107	Nevada	8,777	7,997
Atlantic Flyway	300,847	306,740	New Mexico	630	1,038
			Oregon	35,108	34,354
Alabama	16,652	16,955	Utah	27,577	27,885
Arkansas	62,301	67,023	Washington	38,034	37,084
Illinois	55,915	60,720	Wyoming	1,915	1,108
Indiana	25,239	26,224	Pacific Flyway	247,416	242,604
Iowa	34,981	30,951			
Kentucky	18,277	18,874	Alaska	9,807	10,134
Louisiana	106,879	103,763			
Michigan	71,140	69,410	U.S. Total	1,646,876	1,662,667
Minnesota	149,911	141,340			
Mississippi	24,286	28,718			
Missouri	38,883	40,351			
Ohio	35,791	32,705			
Tennessee	30,954	33,666			
Wisconsin	75,415	76,393			
Mississippi Flyway	746,624	747,094			

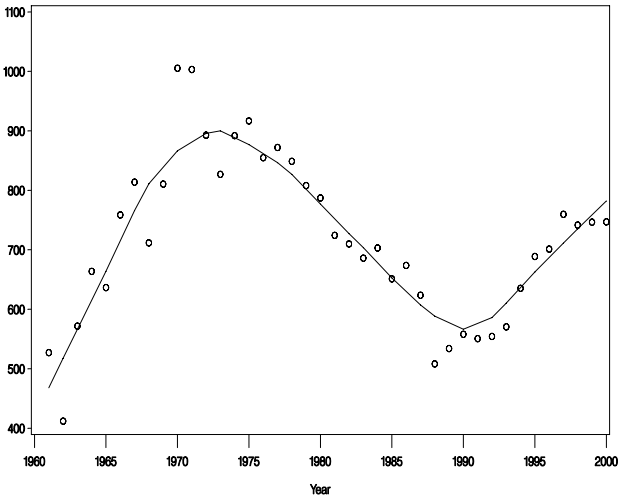
Atlantic Flyway



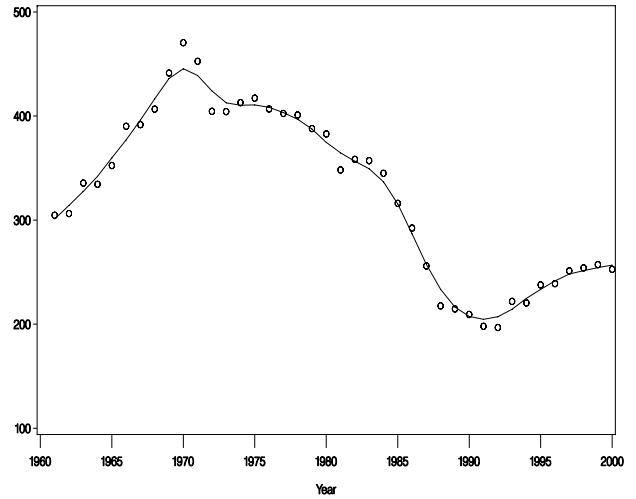
Central Flyway



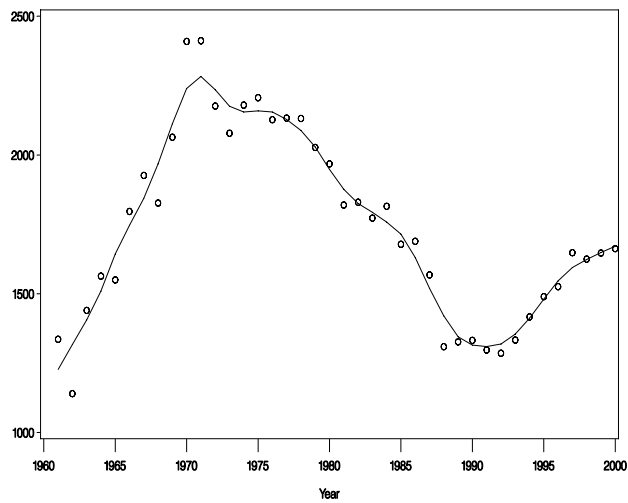
Mississippi Flyway



Pacific Flyway and Alaska



United States



Appendix I. Number of Federal Duck Stamps sold (in thousands) in the United States, 1961-2000.