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Waterfowl Hunting Record

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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 Month	Day	County of Hunt	State of Hunt	Number of Birds Killed and Retrieved: Ducks	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

$N = \Sigma_h N_h$ = 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

n_{hs} = number of successful hunters in stratum h

<u>Stratum level estimates:</u>

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

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

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

where $s^2_h = \Sigma_i (y_{hi}-\bar{y}_h)^2 / (n_h-1)$

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

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

$p_{hs} = n_{hs} / n_h$ = proportion of successful hunters (3)

$v(p_{hs}) = (p_{hs}(1-p_{hs})(1-(n_h/N_h))) / (n_h-1)$ = variance of proportion of successful hunters (4)

<u>State level estimates:</u>

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

$v(\hat{Y}) = \Sigma_h N^2_h v(y_h)$ = variance of state total (6)

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

$v(p_a) = \Sigma_h N^2_h v(p_{ha}) / N^2$ = variance of state proportion of active hunters (8)

$p_s = \Sigma_h N_h p_{hs} / N$ = state proportion of successful hunters (7)

$v(p_s) = \Sigma_h N^2_h v(p_{hs}) / N^2$ = variance of state proportion of successful hunters (8)

Appendix C1. Number of HIP name and address records from which the 2001 and 2002 HIP survey samples were selected.

State	2001	2002
Alabama	80,873	91,762
Alaska	8,266	8,146
Arizona	48,579	49,637
Arkansas	185,607	182,400
California	170,062	117,107
Colorado	44,796	41,565
Connecticut	6,766	6,527
Delaware	8,618	8,960
Florida	40,920	61,671
Georgia	167,141	151,176
Idaho	48,344	40,178
Illinois	75,809	75,391
Indiana	35,570	35,358
Iowa	40,209	37,326
Kansas	55,788	59,167
Kentucky	17,074	20,319
Louisiana	131,484	126,565
Maine	43,162	0
Maryland	55,800	37,056
Massachusetts	5,856	5,808
Michigan	71,367	120,212
Minnesota	179,685	183,879
Mississippi	59,600	17,940
Missouri	67,088	66,868
Montana	17,330	38,194
Nebraska	41,589	39,000
Nevada	9,771	10,384
New Hampshire	5,527	5,638
New Jersey	10,626	10,998
New Mexico	19,706	19,284
New York	35,199	32,895
North Carolina	238,551	173,967
North Dakota	49,641	48,354
Ohio	86,448	99,999
Oklahoma	41,928	47,051
Oregon	53,793	54,078
Pennsylvania	107,080	106,016
Rhode Island	1,036	1,020
South Carolina	83,852	93,807
South Dakota	39,305	43,049
Tennessee	222,777	302,765
Texas	766,873	779,128
Utah	29,913	21,695
Vermont	5,268	5,281
Virginia	43,984	48,451
Washington	22,660	44,965
West Virginia	2,982	2,572
Wisconsin	163,397	168,579
Wyoming	8,900	8,818
Total	3,756,600	3,751,006

Appendix C2. Expansion factors applied to the 2001 and 2002 HIP survey responses to estimate total hunter activity and harvest. Bold indicates that the exapnsion factor was determined by examining 6-year trends in HIP certifications (See Appendix D.)

State	2001	2002
Alabama	94,416	95,075
Alaska	9,421	8,942
Arizona	55,602	58,201
Arkansas	185,607	182,400
California	179,104	**150,000**
Colorado	47,621	**44,000**
Connecticut	7,337	7,065
Delaware	8,902	8,960
Florida	**80,000**	**80,000**
Georgia	167,141	151,176
Idaho	48,344	**48,000**
Illinois	75,809	75,391
Indiana	36,035	35,358
Iowa	40,209	37,326
Kansas	58,567	59,167
Kentucky	55,018	54,666
Louisiana	133,292	129,660
Maine	57,551	57,551
Maryland	55,800	37,056
Massachusetts	5,856	5,949
Michigan	**120,000**	120,212
Minnesota	179,685	183,879
Mississippi	59,693	**60,000**
Missouri	68,044	66,868
Montana	20,145	38,194
Nebraska	41,824	39,000
Nevada	9,900	10,384
New Hampshire	5,527	5,638
New Jersey	11,288	10,998
New Mexico	21,785	20,389
New York	35,902	32,895
North Carolina	239,251	194,608
North Dakota	49,641	48,354
Ohio	86,448	99,999
Oklahoma	50,862	55,331
Oregon	54,491	54,078
Pennsylvania	119,330	121,083
Rhode Island	2,058	1,493
South Carolina	85,985	99,020
South Dakota	48,297	46,817
Tennessee	223,809	302,765
Texas	796,667	779,128
Utah	30,187	**29,000**
Vermont	7,328	6,680
Virginia	45,598	48,451
Washington	47,284	45,032
West Virginia	3,632	3,459
Wisconsin	163,397	168,579
Wyoming	10,920	10,491
Total	4,040,610	4,028,768

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		141,552
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	6,680	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	3,579	4,508
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	3,875,160	3,509,682	4,105,106

Appendix E-1. Summary of migratory bird hunters' answers to the HIP screening questions about prior-year duck hunting.

	2001					2002				
				Sea ducks					Sea ducks	
State	None	1-10	> 10	No	Yes	None	1-10	> 10	No	Yes
Alabama	85,194	5,453	3,769			85,381	6,321	3,373		
Alaska	5,118	2,217	2,086	7,276	2,145	4,918	2,100	1,924	6,660	2,282
Arizona	4,592	1,440	1,105			3,792	1,727	1,257		
Arkansas	120,887	26,129	38,591			118,314	30,882	33,204		
California	121,323	24,861	32,920			103,870	20,234	25,896		
Colorado	36,340	8,138	3,143			33,775	7,276	2,949		
Connecticut	4,761	2,009	567			4,635	1,917	513		
Delaware	5,499	1,998	1,405	8,570	332	5,680	2,042	1,238	8,637	323
Florida	72,713	4,086	3,201			72,188	4,268	3,545		
Georgia	147,576	12,749	6,816			135,313	10,731	5,132		
Idaho	35,021	6,919	6,404			33,929	7,609	6,462		
Illinois	50,473	14,893	10,443			51,847	14,360	9,184		
Indiana	25,657	7,105	3,273			25,370	6,969	3,019		
Iowa	18,345	12,278	9,586			16,327	12,212	8,787		
Kansas	40,229	8,715	9,623			40,900	9,220	9,047		
Kentucky	45,128	5,056	4,834			45,587	4,819	4,259		
Louisiana	75,818	23,946	33,528			78,760	24,512	26,388		
Maine	53,427	3,146	978	47,051	10,500	53,427	3,146	978	47,051	10,500
Maryland	42,399	7,376	6,025	50,463	5,337	24,916	7,169	4,971	33,108	3,948
Massachusetts	3,718	1,704	434	5,160	696	3,705	1,718	526	5,144	805
Michigan	87,378	21,790	10,832			87,903	21,929	10,380		
Minnesota	87,810	56,958	34,917			89,777	58,198	35,904		
Mississippi	44,661	6,803	8,229			43,542	9,993	6,465		
Missouri	49,452	9,460	9,132			49,695	8,968	8,205		
Montana	12,229	5,100	2,816			27,456	6,150	4,588		
Nebraska	25,584	9,306	6,934			23,404	8,927	6,669		
Nevada	6,912	1,812	1,176			7,947	1,508	929		
New Hampshire	3,717	1,408	402	5,197	330	3,779	1,481	378	5,276	362
New Jersey	6,945	2,948	1,395	10,471	817	6,837	2,896	1,265	10,254	744
New Mexico	19,621	1,330	834			18,667	1,148	574		
New York	22,174	9,436	4,292	33,688	2,214	19,787	9,091	4,017	30,866	2,029
North Carolina	193,346	34,643	11,262			158,261	28,223	8,124		
North Dakota	25,910	12,268	11,463			27,490	10,885	9,979		
Ohio	64,678	15,019	6,751			75,331	17,247	7,421		
Oklahoma	42,805	3,326	4,731			47,831	3,305	4,195		
Oregon	34,534	8,705	11,252			35,428	8,571	10,079		
Pennsylvania	100,926	12,278	6,126			102,929	14,356	3,798		
Rhode Island	1,224	561	273	1,485	573	846	445	202	1,059	434
South Carolina	70,650	8,489	6,846			86,112	7,634	5,274		
South Dakota	27,816	10,327	10,154			26,111	9,961	10,745		
Tennessee	195,716	15,707	12,386			278,806	12,270	11,689		
Texas	699,185	48,584	48,898			700,581	41,509	37,038		
Utah	17,664	7,464	5,059			18,226	6,822	3,952		
Vermont	5,609	1,035	684			4,844	1,123	713		
Virginia	36,870	5,876	2,852	44,423	1,175	39,736	6,167	2,548	47,132	1,319
Washington	22,875	9,875	14,534			24,500	9,012	11,520		
West Virginia	3,072	388	172			2,817	497	146		
Wisconsin	105,938	40,843	16,616			111,605	40,721	16,253		
Wyoming	7,901	1,992	1,027			7,449	2,053	989		

Appendix E-2. Summary of migratory bird hunters' answers to the HIP screening questions about prior-year goose hunting.

	2001					2002				
				Brant					Brant	
State	None	1-10	> 10	No	Yes	None	1-10	> 10	No	Yes
Alabama	92,401	1,585	430			92,591	1,992	491		
Alaska	7,418	1,549	454	7,772	1,649	7,163	1,419	360	7,299	1,643
Arizona	6,365	659	113			5,800	816	158		
Arkansas	157,191	16,459	11,957			155,440	16,755	10,205		
California	148,291	24,345	6,468	169,100	10,004	124,720	20,189	5,090	141,646	8,354
Colorado	36,900	8,295	2,426			34,393	7,460	2,147		
Connecticut	5,405	1,576	356			5,155	1,559	351		
Delaware	7,429	1,085	388	8,055	847	6,035	2,386	539	8,249	711
Florida										
Georgia	157,961	6,477	2,703			143,027	6,001	2,148		
Idaho	40,027	6,636	1,681			39,472	6,895	1,633		
Illinois	58,040	14,432	3,337			61,813	12,111	1,467		
Indiana	26,939	7,282	1,814			26,717	7,217	1,424		
Iowa	25,205	11,200	3,804			23,162	10,900	3,264		
Kansas	44,820	8,758	4,989			45,923	8,771	4,473		
Kentucky	48,540	4,719	1,759			49,129	4,305	1,232		
Louisiana	107,586	17,048	8,658			107,683	15,328	6,649		
Maine	55,887	1,442	222			55,887	1,442	222		
Maryland	50,209	4,001	1,590	50,382	5,418	22,738	10,458	3,860	33,952	3,104
Massachusetts	4,481	1,137	238	4,563	1,293	4,380	1,260	309	4,651	1,298
Michigan	94,377	20,410	5,213			94,601	20,491	5,120		
Minnesota	113,416	53,268	13,001			114,959	54,866	14,054		
Mississippi	56,465	2,496	732			57,010	2,411	579		
Missouri	55,410	8,053	4,581			55,694	7,362	3,812		
Montana	14,007	4,883	1,255			29,999	6,097	2,098		
Nebraska	26,341	10,064	5,419			24,707	9,277	5,016		
Nevada	8,738	995	167			9,224	975	185		
New Hampshire	4,448	969	110	4,817	710	4,571	963	104	5,054	584
New Jersey	8,691	2,052	545	8,381	2,907	8,076	2,174	748	8,004	2,994
New Mexico	20,609	938	238			19,524	689	176		
New York	26,471	7,645	1,786	30,062	5,840	22,743	7,882	2,270	28,162	4,733
North Carolina	210,920	24,253	4,078	167,172	72,079	171,940	19,666	3,002	133,257	61,351
North Dakota	32,440	13,155	4,046			33,262	11,518	3,574		
Ohio	67,171	14,666	4,611			78,307	16,482	5,210		
Oklahoma	46,041	3,140	1,681			50,797	3,052	1,482		
Oregon	43,301	7,417	3,773	45,036	9,455	43,261	7,284	3,533	42,280	11,798
Pennsylvania	101,909	11,527	5,894			103,954	12,211	4,918		
Rhode Island	1,536	399	123	1,226	832	988	373	132	780	713
South Carolina	82,713	2,892	380			96,304	2,399	317		
South Dakota	28,563	13,610	6,124			26,649	13,716	6,452		
Tennessee	205,821	11,496	6,492			287,859	8,682	6,224		
Texas	737,031	42,112	17,524			739,905	25,438	13,785		
Utah	25,851	3,836	500			25,327	3,207	466		
Vermont	6,386	770	172			5,529	926	225		
Virginia	39,365	5,098	1,135	43,142	2,456	41,036	6,119	1,296	46,347	2,104
Washington	34,138	9,177	3,969			33,988	8,135	2,909		
West Virginia	3,072	418	142			2,854	469	136		
Wisconsin	132,462	29,409	1,526			139,879	27,464	1,236		
Wyoming	8,140	2,145	635			7,887	2,156	448		

Appendix E-3. Summary of migratory bird hunters' answers to the HIP screening questions about prior-year dove and band-tailed pigeon (BTP) hunting.

	2001					2002				
				BTP					BTP	
State	None	1-30	> 30	No	Yes	None	1-30	> 30	No	Yes
Alabama	60,119	23,539	10,758			59,286	25,145	10,644		
Arizona	25,425	21,985	8,192	37,306	18,296	23,148	24,191	10,862	38,933	19,268
Arkansas	141,501	27,355	16,751			137,673	29,855	14,872		
California	97,605	64,770	16,729	147,183	31,921	77,761	57,175	15,064	121,546	28,454
Colorado	34,682	11,328	1,611	46,101	1,520	31,171	11,135	1,694	40,535	3,465
Delaware	5,499	2,777	626			5,551	2,795	614		
Florida	64,508	12,355	3,137			62,237	15,531	2,232		
Georgia	108,940	37,838	20,363			93,364	41,460	16,352		
Idaho	41,562	6,113	669			40,281	6,949	769		
Illinois	50,945	20,078	4,786			51,537	19,753	4,101		
Indiana	24,098	9,496	2,441			23,315	9,624	2,419		
Kansas	25,272	21,877	11,418			26,807	22,042	10,318		
Kentucky	32,296	15,210	7,512			30,066	16,665	7,935		
Louisiana	88,803	35,082	9,407			90,069	32,338	7,253		
Maryland	44,754	8,830	2,216			28,287	7,010	1,759		
Mississippi	34,678	18,614	6,401			21,291	30,268	8,441		
Missouri	49,201	13,427	5,416			49,906	12,435	4,527		
Montana	18,660	1,223	262			36,612	1,318	264		
Nebraska	24,991	12,829	4,004			23,345	11,941	3,714		
Nevada	6,952	2,703	245			7,365	2,801	218		
New Mexico	15,268	4,393	2,124	20,744	1,041	14,965	4,044	1,381	20,271	118
North Carolina	146,160	70,888	22,203			117,886	59,122	17,599		
North Dakota	44,279	4,870	492			44,151	3,895	308		
Ohio	64,935	17,764	3,749			74,218	20,920	4,861		
Oklahoma	37,761	8,754	4,347			44,466	7,749	3,116		
Oregon	49,128	4,343	1,020	42,531	11,960	48,443	4,607	1,028	39,841	14,237
Pennsylvania	84,931	30,111	4,288			83,405	31,896	5,783		
Rhode Island	1,746	292	20			1,251	218	24		
South Carolina	49,567	25,220	11,198			62,350	26,531	10,139		
South Dakota	36,651	8,995	2,651			36,317	7,548	2,952		
Tennessee	174,097	34,021	15,691			258,936	28,528	15,301		
Texas	475,270	203,776	117,621			510,274	175,504	93,350		
Utah	22,158	7,437	592	30,187	0	20,710	7,726	565	26,001	2,999
Virginia	24,880	17,752	2,966			26,148	19,183	3,120		
Washington	41,946	4,498	840			40,347	4,685	0		
West Virginia	2,318	1,076	238			2,110	1,137	212		
Wyoming	8,997	1,567	356			8,760	1,466	264		

Appendix E-4. Summary of migratory bird hunters' answers to the HIP screening questions about prior-year woodcock hunting.

	2001		2002	
State	No	Yes	No	Yes
Alabama	93,589	827	94,360	715
Arkansas	180,579	5,028	177,385	5,015
Connecticut	6,584	753	6,326	739
Delaware	8,771	131	8,830	130
Florida	71,365	8,635	78,324	1,676
Georgia	159,059	8,082	145,693	5,483
Illinois	75,168	641	74,827	564
Indiana	35,288	747	34,676	682
Iowa	38,806	1,403	36,397	929
Kansas	58,358	209	59,044	123
Kentucky	54,255	763	53,866	800
Louisiana	125,842	7,450	122,849	6,811
Maine	54,446	3,105	54,446	3,105
Maryland	54,720	1,080	36,470	586
Massachusetts	5,169	687	5,279	670
Michigan	126,818	23,182	122,717	27,283
Minnesota	167,012	12,673	171,171	12,708
Mississippi	59,338	355	59,428	572
Missouri	66,459	1,585	65,108	1,760
Nebraska	41,626	198	38,818	182
New Hampshire	4,485	1,042	4,493	1,145
New Jersey	10,727	561	10,527	471
New York	33,760	2,142	30,989	1,906
North Carolina	217,732	21,519	178,623	15,985
Ohio	82,147	4,301	95,506	4,493
Oklahoma	50,567	295	54,980	351
Pennsylvania	112,366	6,964	113,171	7,912
Rhode Island	1,913	145	1,388	105
South Carolina	85,142	843	98,384	636
Tennessee	218,016	5,793	296,954	5,811
Texas	777,409	19,258	775,844	3,284
Vermont	6,456	872	5,940	740
Virginia	44,828	770	47,797	654
West Virginia	3,437	195	3,282	177
Wisconsin	151,273	12,124	157,583	10,996

Appendix E-5. Summary of migratory bird hunters' answers to the HIP screening questions about prior-year snipe, rail, gallinule, and coot hunting.

	2001				2002			
	Snipe/coots		Rails/gallinules		Snipe/coots		Rails/gallinules	
State	No	Yes	No	Yes	No	Yes	No	Yes
Alabama	93,253	1,163	93,839	577	94,067	1,008	94,620	455
Alaska	7,579	1,842			6,909	2,033		
Arizona	54,989	613	54,873	729	57,707	494	57,523	678
Arkansas	179,045	6,562	180,318	5,289	175,683	6,717	177,022	5,378
California	166,595	12,509	174,650	4,454	139,776	10,224	145,615	4,385
Colorado	45,975	1,646	46,663	958	34,625	9,375	37,392	6,608
Connecticut	7,274	63	7,302	35	7,022	43	7,036	29
Delaware	8,801	101	8,850	52	8,854	106	8,892	68
Florida	76,600	3,400	77,488	2,512	76,668	3,332	78,456	1,544
Georgia	159,096	8,045	167,141	0	145,853	5,323	151,176	0
Idaho	47,674	670			47,347	653		
Illinois	75,190	619	75,622	187	74,670	721	75,168	223
Indiana	35,440	595	35,861	174	34,732	626	35,162	196
Iowa	38,981	1,228	39,526	683	36,385	941	36,821	505
Kansas	57,932	635	58,146	421	58,604	563	58,784	383
Kentucky	54,436	582	54,900	118	54,057	609	54,532	134
Louisiana	124,088	9,204	125,307	7,985	120,944	8,716	121,800	7,860
Maine	50,483	7,068	47,984	9,567	50,483	7,068	47,984	9,567
Maryland	53,525	2,275	53,910	1,890	35,359	1,697	35,540	1,516
Massachusetts	5,716	140	5,806	50	5,823	126	5,893	56
Michigan	109,742	10,258	109,742	10,258	109,894	10,318	109,894	10,318
Minnesota	175,624	4,061	177,693	1,992	179,899	3,980	181,756	2,123
Mississippi	58,883	810	59,168	525	59,144	856	59,672	328
Missouri	65,886	2,158	67,217	827	64,827	2,041	65,905	963
Montana	19,809	336			37,765	429		
Nebraska	41,463	361	41,560	264	38,773	227	38,850	150
Nevada	9,758	142	9,855	45	10,234	150	10,333	51
New Hampshire	5,347	180			5,405	233		
New Jersey	11,074	214	10,965	323	10,787	211	10,670	328
New Mexico	21,686	99	21,739	46	20,309	80	20,363	26
New York	34,757	1,145	35,358	544	31,983	912	32,486	409
North Carolina	236,190	3,061	238,247	1,004	191,979	2,629	193,671	937
North Dakota	49,042	599			47,726	628		
Ohio	79,657	6,791	80,059	6,389	94,446	5,553	95,140	4,859
Oklahoma	49,778	1,084	49,911	951	54,398	933	54,525	806
Oregon	54,491	0			52,532	1,546		
Pennsylvania	118,321	1,009	118,659	671	119,618	1,465	120,158	925
Rhode Island	1,752	306	1,770	288	1,269	224	1,280	213
South Carolina	82,858	3,127	82,895	3,090	94,644	4,376	94,610	4,410
South Dakota	46,767	1,530			46,242	575		
Tennessee	218,377	5,432	218,852	4,957	296,713	6,052	297,203	5,562
Texas	772,220	24,447	777,874	18,793	774,962	4,166	775,910	3,218
Utah	29,477	710	30,187	0	24,353	4,647	26,376	2,624
Vermont	5,246	2,082			4,649	2,031		
Virginia	44,838	760	45,027	571	47,719	732	47,856	595
Washington	35,413	11,871			34,033	10,999		
West Virginia	3,533	99	3,582	50	3,439	20	3,450	9
Wisconsin	157,457	5,940	158,929	4,468	158,272	10,307	159,533	9,046
Wyoming	10,769	151	10,866	54	10,332	159	10,450	41

Appendix F-1. Stratum-specific sample sizes for the 2001 and 2002 HIP waterfowl harvest surveys: duck strata.

	2001					2002				
				Sea ducks					Sea ducks	
State	None	1-10	> 10	No	Yes	None	1-10	> 10	No	Yes
Alabama	411	246	361			403	294	352		
Alaska	464	306	396	494	672	692	391	501	580	1,004
Arizona	125	95	129			103	113	153		
Arkansas	581	675	1,381			563	764	1,181		
California	923	595	1,098			617	409	687		
Colorado	359	472	439			355	382	394		
Connecticut	151	258	135			146	243	108		
Delaware	217	307	399	756	167	292	358	373	868	155
Florida	194	97	129			315	163	270		
Georgia	312	661	905			331	770	721		
Idaho	74	214	409			177	204	337		
Illinois	408	391	565			409	365	452		
Indiana	159	345	378			170	329	346		
Iowa	145	323	574			133	328	504		
Kansas	279	254	559			290	279	532		
Kentucky	134	120	260			142	117	202		
Louisiana	225	486	753			227	481	598		
Maine	470	123	98	267	424	647	228	140	399	616
Maryland	790	516	566	1,223	649	697	687	648	1,384	648
Massachusetts	211	204	79	317	177	194	216	110	314	206
Michigan	252	389	353			443	684	633		
Minnesota	302	969	813			304	985	840		
Mississippi	252	353	518			83	168	124		
Missouri	207	368	600			73	384	630		
Montana	189	637	643			394	930	1,309		
Nebraska	264	547	646			240	535	612		
Nevada	126	254	321			159	229	256		
New Hampshire	205	243	139	458	129	198	254	125	414	163
New Jersey	243	286	208	538	199	271	295	187	560	193
New Mexico	274	373	274			212	232	160		
New York	537	744	622	1,420	483	466	731	583	1,318	462
North Carolina	275	794	601			212	589	387		
North Dakota	210	314	535			233	272	454		
Ohio	159	475	412			189	570	459		
Oklahoma	148	171	457			172	166	429		
Oregon	704	390	897			893	444	817		
Pennsylvania	444	676	635			448	769	406		
Rhode Island	59	100	62	110	111	80	119	80	142	137
South Carolina	184	479	812			240	476	641		
South Dakota	234	371	566			253	405	690		
Tennessee	201	375	625			290	283	595		
Texas	759	969	1,554			680	979	1,366		
Utah	106	443	611			75	305	358		
Vermont	83	195	201			89	221	195		
Virginia	593	578	492	1,287	376	688	667	428	1,309	474
Washington	63	249	497			148	444	654		
West Virginia	87	56	49			104	79	35		
Wisconsin	340	1,142	856			368	1,129	779		
Wyoming	166	252	237			156	252	211		

Appendix F-2. Stratum-specific sample sizes for the 2001 and 2002 HIP waterfowl harvest surveys: goose strata.

	2001					2002				
				Brant					Brant	
State	None	1-10	> 10	No	Yes	None	1-10	> 10	No	Yes
Alabama	815	139	64			811	169	69		
Alaska	795	280	91	535	631	1,132	350	102	762	822
Arizona	266	69	14			255	89	25		
Arkansas	1,547	508	582			1,517	511	480		
California	1,607	731	278	2,141	475	1,046	484	183	1,408	305
Colorado	442	481	347			447	371	313		
Connecticut	200	247	97			173	237	87		
Delaware	554	224	145	689	234	349	469	205	822	201
Florida										
Georgia	1,052	358	468			860	591	371		
Idaho	278	276	143			369	236	113		
Illinois	660	484	220			710	397	119		
Indiana	284	376	222			317	373	155		
Iowa	341	389	312			333	368	264		
Kansas	502	311	279			524	326	251		
Kentucky	188	178	148			232	156	73		
Louisiana	786	393	285			718	352	236		
Maine	598	58	35			767	194	54		
Maryland	1,345	293	234	1,047	825	687	767	578	1,384	648
Massachusetts	310	148	36	198	296	311	160	49	219	301
Michigan	475	360	159			732	694	334		
Minnesota	713	1,002	369			721	1,035	373		
Mississippi	816	216	91			284	66	25		
Missouri	464	365	346			410	329	348		
Montana	390	781	298			739	1,236	658		
Nebraska	391	572	494			369	549	469		
Nevada	361	290	50			308	276	60		
New Hampshire	324	220	43	414	173	330	216	31	415	162
New Jersey	443	225	69	339	398	427	214	112	310	443
New Mexico	491	298	132			352	169	83		
New York	1,027	633	243	1,100	803	846	634	300	1,069	711
North Carolina	820	630	220	968	702	582	450	156	698	490
North Dakota	458	410	191			423	377	159		
Ohio	303	466	277			348	557	313		
Oklahoma	356	241	179			348	251	168		
Oregon	1,124	503	364	935	1,056	1,350	443	361	830	1,324
Pennsylvania	712	564	479			705	528	390		
Rhode Island	89	96	36	45	176	84	140	55	31	248
South Carolina	993	390	92			911	364	82		
South Dakota	337	473	361			339	541	468		
Tennessee	489	353	359			562	275	331		
Texas	1,718	882	682			1,648	745	632		
Utah	650	426	84			405	274	59		
Vermont	204	189	86			180	233	92		
Virginia	875	583	205	1,127	536	871	671	241	1,258	525
Washington	307	288	214			561	446	239		
West Virginia	84	71	37			98	91	29		
Wisconsin	1,052	1,164	122			1,106	1,073	97		
Wyoming	212	294	149			192	322	105		

Appendix F-3. Stratum-specifc sample sizes for the 2001 and 2002 HIP dove and band-tailed pigeon (BTP) harvest surveys.

	2001					2002				
				BTP					BTP	
State	None	1-30	> 30	No	Yes	None	1-30	> 30	No	Yes
Alabama	376	795	603			381	867	608		
Arizona	394	506	302	529	673	352	540	453	620	725
Arkansas	459	886	814			520	1,027	779		
California	782	1,064	727	1,510	1,063	661	815	545	1,150	871
Colorado	239	570	269	906	172	604	697	306	748	859
Delaware	83	277	112			93	285	111		
Florida	130	382	79			199	527	158		
Georgia	320	765	678			479	835	651		
Idaho	162	556	118			305	550	120		
Illinois	259	600	217			381	635	193		
Indiana	132	436	432			139	453	442		
Kansas	130	635	508			167	667	469		
Kentucky	72	380	411			102	554	512		
Louisiana	199	801	442			208	746	340		
Maryland	197	698	354			165	637	301		
Mississippi	167	555	559			40	292	236		
Missouri	186	600	321			64	672	336		
Montana	75	142	65			324	207	89		
Nebraska	227	765	356			238	727	332		
Nevada	48	447	92			65	490	81		
New Mexico	228	411	372	972	39	132	349	233	691	23
North Carolina	270	668	423			204	512	304		
North Dakota	177	420	74			201	364	57		
Ohio	96	503	339			142	673	465		
Oklahoma	117	325	316			126	291	230		
Oregon	893	592	168	749	904	1,163	677	182	823	1,199
Pennsylvania	179	877	180			179	928	248		
Rhode Island	15	42	6			19	35	3		
South Carolina	214	1,130	663			249	1,176	599		
South Dakota	103	519	270			163	607	476		
Tennessee	84	660	587			128	558	579		
Texas	424	1,979	2,306			512	1,932	2,124		
Utah	107	645	99	851	0	187	527	66	638	142
Virginia	163	820	262			185	901	277		
Washington	88	347	171			179	435	0		
West Virginia	45	185	56			53	230	62		
Wyoming	59	186	102			102	205	90		

Appendix F-4. Stratum-specific sample sizes for the 2001 and 2002 HIP woodcock harvest surveys.

	2001		2002	
State	No	Yes	No	Yes
Alabama	191	171	198	148
Arkansas	195	489	219	536
Connecticut	60	187	79	11
Delaware	99	65	108	64
Florida	85	117	132	235
Georgia	115	328	151	288
Illinois	139	185	180	185
Indiana	79	239	81	223
Iowa	121	268	121	186
Kansas	117	95	130	55
Kentucky	67	64	95	93
Louisiana	116	471	115	430
Maine	149	431	218	621
Maryland	160	283	139	190
Massachusetts	92	222	99	220
Michigan	220	593	379	1,081
Minnesota	165	630	170	632
Mississippi	97	148	35	93
Missouri	137	475	79	638
Nebraska	84	89	83	83
New Hampshire	34	211	44	279
New Jersey	92	180	100	155
New York	147	412	140	370
North Carolina	103	406	78	279
Ohio	65	232	93	293
Oklahoma	82	121	81	125
Pennsylvania	168	353	195	458
Rhode Island	23	29	36	40
South Carolina	191	189	210	143
Tennessee	107	110	146	113
Texas	144	231	163	40
Vermont	93	209	94	186
Virginia	103	246	114	214
West Virginia	42	62	48	62
Wisconsin	297	600	313	545

Appendix F-5. Stratum-specific sample sizes for the 2001 and 2002 HIP snipe, rail, gallinule, and coot harvest surveys.

	2001				2002			
	Snipe/coots		Rails/gallinules		Snipe/coots		Rails/gallinules	
State	No	Yes	No	Yes	No	Yes	No	Yes
Alabama	152	108	161	99	126	102	148	80
Alaska	23	258			24	384		
Arizona	108	167	103	172	135	159	110	184
Arkansas	155	149	205	99	294	599	243	650
California	172	401	313	260	142	323	237	228
Colorado	115	137	148	104	66	567	170	463
Connecticut	132	26	140	18	455	10	451	14
Delaware	128	39	142	25	144	46	152	38
Florida	40	32	46	26	612	98	653	57
Georgia	227	321	548	0	303	271	574	0
Idaho	94	133			159	110		
Illinois	157	135	229	63	176	173	268	81
Indiana	145	76	178	43	156	84	187	53
Iowa	149	197	200	146	151	156	197	110
Kansas	217	96	230	83	225	135	250	110
Kentucky	67	35	96	6	74	40	111	3
Louisiana	200	287	144	343	203	284	150	337
Maine	142	116	132	126	218	138	191	165
Maryland	174	370	199	345	155	389	165	379
Massachusetts	107	68	149	26	115	64	144	35
Michigan	122	140	122	140	217	201	217	201
Minnesota	182	228	278	132	193	219	259	153
Mississippi	86	163	119	130	31	62	63	30
Missouri	159	663	390	432	78	243	154	167
Montana	56	140			150	44		
Nebraska	112	167	131	148	115	92	129	78
Nevada	106	72	151	27	118	79	166	31
New Hampshire	99	81			102	109		
New Jersey	139	69	55	153	149	74	61	162
New Mexico	163	47	189	21	148	36	170	14
New York	139	148	167	120	120	131	156	95
North Carolina	126	86	159	53	94	70	116	48
North Dakota	129	151			127	146		
Ohio	65	223	66	222	63	191	74	180
Oklahoma	88	33	93	28	91	27	95	23
Oregon	203	0			210	75		
Pennsylvania	242	155	248	149	245	245	278	212
Rhode Island	13	75	14	74	16	81	16	81
South Carolina	139	199	136	202	145	277	137	285
South Dakota	96	125			128	55		
Tennessee	114	184	126	172	151	224	165	210
Texas	297	286	317	266	136	52	141	47
Utah	113	139	252	0	80	999	403	676
Vermont	73	150			72	162		
Virginia	174	97	129	142	196	101	146	151
Washington	51	6			109	4		
West Virginia	81	0	81	0	96	0	96	0
Wisconsin	171	186	201	156	173	361	196	338
Wyoming	157	69	199	27	198	72	250	20

Appendix G1. Sample sizes and response rates for the 2001 and 2002 HIP waterfowl harvest surveys.

	2001				2002			
	Surveys			Response	Surveys			Response
State	Mailed	Delivered	Returned	rate (%)	Mailed	Delivered	Returned	rate (%)
Alabama	1,018	990	566	57	1,049	996	545	55
Alaska	1,166	1,131	803	71	1,584	1,508	1,047	69
Arizona	349	330	226	68	369	344	223	65
Arkansas	2,637	2,367	1,291	55	2,508	2,256	1,108	49
California	2,616	2,445	1,550	63	1,713	1,577	1,144	73
Colorado	1,270	1,153	766	66	1,131	1,046	686	66
Connecticut	544	529	391	74	497	476	340	71
Delaware	923	835	470	56	1,023	909	487	54
Florida	420	382	207	54	748	677	394	58
Georgia	1,878	1,546	806	52	1,822	1,455	889	61
Idaho	697	646	482	75	718	672	493	73
Illinois	1,364	1,254	812	65	1,226	1,154	750	65
Indiana	882	794	521	66	845	763	535	70
Iowa	1,042	996	735	74	965	912	559	61
Kansas	1,092	1,034	673	65	1,101	1,041	656	63
Kentucky	514	499	275	55	461	445	222	50
Louisiana	1,464	1,268	648	51	1,306	1,141	555	49
Maine	691	657	424	65	1,015	895	511	57
Maryland	1,872	1,629	972	60	2,032	1,767	1,016	57
Massachusetts	494	447	332	74	520	474	362	76
Michigan	994	953	547	57	1,760	1,709	1,006	59
Minnesota	2,084	1,983	1,314	66	2,129	2,037	1,285	63
Mississippi	1,123	1,082	615	57	375	371	237	64
Missouri	1,175	1,056	623	59	1,087	1,036	602	58
Montana	1,469	1,422	984	69	2,633	2,523	1,643	65
Nebraska	1,457	1,424	926	65	1,387	1,362	901	66
Nevada	701	592	446	75	644	555	411	74
New Hampshire	587	524	364	69	577	514	329	64
New Jersey	737	670	441	66	753	703	431	61
New Mexico	921	874	664	76	604	560	359	64
New York	1,903	1,744	1,165	67	1,780	1,606	1,056	66
North Carolina	1,670	1,544	1,047	68	1,188	1,075	625	58
North Dakota	1,059	1,043	725	70	959	939	714	76
Ohio	1,046	972	635	65	1,218	1,152	684	59
Oklahoma	776	683	379	55	767	669	446	67
Oregon	1,991	1,881	1,382	73	2,154	2,022	1,308	65
Pennsylvania	1,755	1,724	1,339	78	1,623	1,576	1,007	64
Rhode Island	221	215	143	67	279	271	191	70
South Carolina	1,475	1,368	703	51	1,357	1,269	618	49
South Dakota	1,171	1,120	894	80	1,348	1,264	873	69
Tennessee	1,201	1,068	501	47	1,168	1,030	503	49
Texas	3,282	2,880	1,383	48	3,025	2,682	1,280	48
Utah	1,160	1,054	707	67	738	719	507	71
Vermont	479	461	292	63	505	485	325	67
Virginia	1,663	1,510	977	65	1,783	1,616	1,041	64
Washington	809	751	570	76	1,246	1,147	833	73
West Virginia	192	187	130	70	218	211	141	67
Wisconsin	2,338	2,255	1,602	71	2,276	2,200	1,533	70
Wyoming	655	631	424	67	619	605	403	67
Total	59,027	54,603	34,872	64	58,833	54,416	33,814	62

Appendix G2. Sample sizes and response rates for the 2001 and 2002 HIP dove and band-tailed pigeon harvest surveys.

	2001				2002			
	Surveys			Response	Surveys			Response
State	Mailed	Delivered	Returned	rate (%)	Mailed	Delivered	Returned	rate (%)
Alabama	1,774	1,704	936	55	1,856	1,765	1,127	64
Arizona	1,202	1,135	714	63	1,345	1,234	726	59
Arkansas	2,159	1,907	1,058	55	2,326	2,107	1,092	52
California	2,573	2,421	1,614	67	2,021	1,861	1,242	67
Colorado	1,078	984	748	76	1,607	1,487	1,168	79
Delaware	472	434	269	62	489	441	265	60
Florida	591	505	259	51	884	798	409	51
Georgia	1,763	1,503	776	52	1,965	1,574	762	48
Idaho	836	792	613	77	975	914	700	77
Illinois	1,076	987	729	74	1,209	1,138	918	81
Indiana	1,000	911	636	70	1,034	933	618	66
Kansas	1,273	1,220	970	80	1,303	1,235	840	68
Kentucky	863	851	488	57	1,168	1,126	627	56
Louisiana	1,442	1,233	673	55	1,294	1,125	568	50
Maryland	1,249	1,091	727	67	1,103	954	605	63
Mississippi	1,281	1,239	686	55	568	562	365	65
Missouri	1,107	1,011	594	59	1,072	1,011	620	61
Montana	282	279	210	75	620	593	461	78
Nebraska	1,348	1,326	906	68	1,297	1,273	866	68
Nevada	587	522	418	80	636	559	420	75
New Mexico	1,011	938	548	58	714	669	443	66
North Carolina	1,361	1,278	742	58	1,020	952	529	56
North Dakota	671	664	477	72	622	606	430	71
Ohio	938	886	517	58	1,280	1,191	693	58
Oklahoma	758	672	472	70	647	557	325	58
Oregon	1,653	1,587	1,150	72	2,022	1,907	1,322	69
Pennsylvania	1,236	1,205	796	66	1,355	1,318	821	62
Rhode Island	63	61	44	72	57	55	37	67
South Carolina	2,007	1,893	1,239	65	2,024	1,896	1,003	53
South Dakota	892	852	640	75	1,246	1,187	884	74
Tennessee	1,331	1,202	617	51	1,265	1,132	562	50
Texas	4,709	4,140	2,117	51	4,568	4,047	1,939	48
Utah	851	791	620	78	780	743	519	70
Virginia	1,245	1,136	727	64	1,363	1,257	782	62
Washington	606	565	471	83	614	574	480	84
West Virginia	286	278	185	67	345	339	215	63
Wyoming	347	336	244	73	397	387	261	67
Total	43,921	40,539	25,630	63	45,091	41,507	25,644	62

Appendix G3. Sample sizes and response rates for the 2001 and 2002 HIP woodcock harvest surveys.

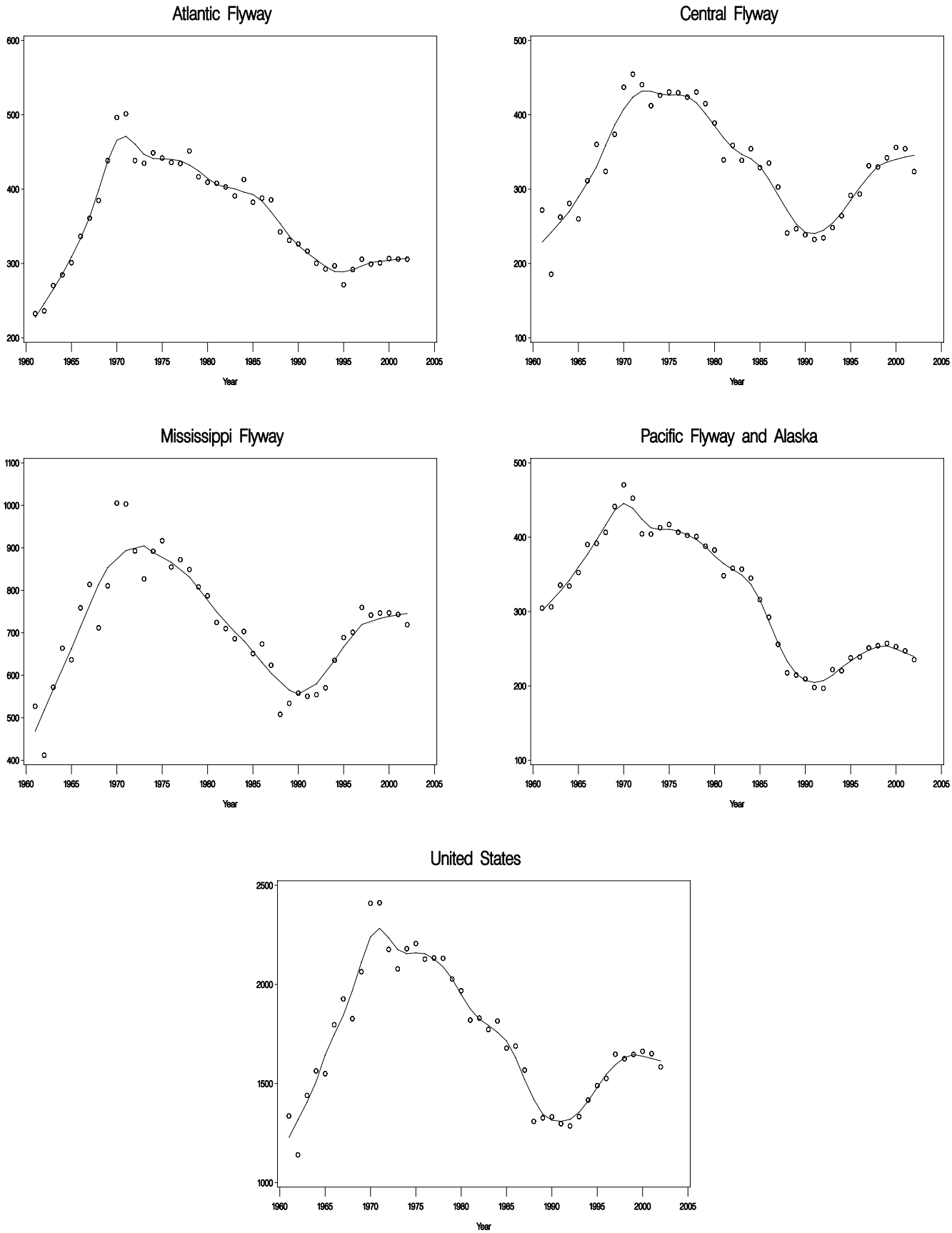
	2001				2002			
	Surveys			Response	Surveys			Response
State	Mailed	Delivered	Returned	rate (%)	Mailed	Delivered	Returned	rate (%)
Alabama	362	336	183	54	346	337	187	55
Arkansas	684	577	310	54	755	667	332	50
Connecticut	247	236	208	88	90	87	70	80
Delaware	164	150	102	68	172	152	87	57
Florida	202	180	106	59	367	341	186	55
Georgia	443	360	202	56	439	346	187	54
Illinois	324	297	226	76	365	340	237	70
Indiana	318	284	209	74	304	274	184	67
Iowa	389	372	271	73	307	294	180	61
Kansas	212	195	135	69	185	177	121	68
Kentucky	131	129	68	53	188	179	101	56
Louisiana	587	502	273	54	545	470	225	48
Maine	580	543	370	68	839	711	425	60
Maryland	443	396	289	73	329	308	183	59
Massachusetts	314	294	248	84	319	302	235	78
Michigan	813	787	512	65	1,460	1,409	911	65
Minnesota	795	757	623	82	802	753	496	66
Mississippi	245	239	163	68	128	127	89	70
Missouri	612	550	376	68	717	657	402	61
Nebraska	173	173	124	72	166	158	105	66
New Hampshire	245	225	166	74	323	301	251	83
New Jersey	272	253	168	66	255	230	169	73
New York	559	530	447	84	510	471	378	80
North Carolina	509	461	242	52	357	323	178	55
Ohio	297	276	176	64	386	358	212	59
Oklahoma	203	173	97	56	206	178	92	52
Pennsylvania	521	513	371	72	653	633	433	68
Rhode Island	52	52	43	83	76	73	51	70
South Carolina	380	359	202	56	353	336	165	49
Tennessee	217	193	84	44	259	227	135	59
Texas	375	321	166	52	203	183	103	56
Vermont	302	292	211	72	280	271	190	70
Virginia	349	315	232	74	328	296	248	84
West Virginia	104	101	79	78	110	104	75	72
Wisconsin	897	874	670	77	858	837	682	81
Total	13,320	12,295	8,352	68	13,980	12,910	8,305	64

Appendix G4. Sample sizes and response rates for the 2001 and 2002 HIP snipe, rail, gallinule, and coot harvest surveys.

	2001				2002			
	Surveys			Response	Surveys			Response
State	Mailed	Delivered	Returned	rate (%)	Mailed	Delivered	Returned	rate (%)
Alabama	260	248	141	57	228	216	129	60
Alaska	281	267	196	73	408	390	284	73
Arizona	275	251	164	65	294	266	156	59
Arkansas	304	267	122	46	893	783	378	48
California	573	530	327	62	465	419	257	61
Colorado	252	228	164	72	633	571	408	71
Connecticut	158	155	115	74	465	455	336	74
Delaware	167	144	90	63	190	174	99	57
Florida	72	63	33	52	710	624	355	57
Georgia	548	467	247	53	574	462	246	53
Idaho	227	204	132	65	269	254	183	72
Illinois	292	267	177	66	349	322	228	71
Indiana	221	204	162	79	240	213	155	73
Iowa	346	327	226	69	307	294	201	68
Kansas	313	298	205	69	360	348	240	69
Kentucky	102	95	48	51	114	109	57	52
Louisiana	487	413	264	64	487	422	200	47
Maine	258	243	160	66	356	321	183	57
Maryland	544	466	293	63	544	463	280	60
Massachusetts	175	165	130	79	179	156	115	74
Michigan	262	250	143	57	418	406	258	64
Minnesota	410	379	247	65	412	389	248	64
Mississippi	249	243	136	56	93	92	63	68
Missouri	822	715	439	61	321	309	206	67
Montana	196	194	154	79	194	183	122	67
Nebraska	279	274	204	74	207	205	162	79
Nevada	178	155	120	77	197	174	129	74
New Hampshire	180	157	108	69	211	185	128	69
New Jersey	208	190	131	69	223	200	133	67
New Mexico	210	197	120	61	184	170	119	70
New York	287	260	206	79	251	230	162	70
North Carolina	212	199	124	62	164	159	95	60
North Dakota	280	277	190	69	273	266	197	74
Ohio	288	268	139	52	254	239	117	49
Oklahoma	121	105	66	63	118	100	62	62
Oregon	203	192	133	69	285	264	184	70
Pennsylvania	397	388	252	65	490	473	360	76
Rhode Island	88	84	55	65	97	95	54	57
South Carolina	338	317	174	55	422	395	204	52
South Dakota	221	211	165	78	183	173	129	75
Tennessee	298	264	110	42	375	326	139	43
Texas	583	504	235	47	188	169	95	56
Utah	252	233	154	66	1,079	990	629	64
Vermont	223	215	139	65	234	225	146	65
Virginia	271	239	145	61	297	271	172	63
Washington	57	52	41	79	113	107	88	82
West Virginia	81	79	48	61	96	92	52	57
Wisconsin	357	345	263	76	534	526	382	73
Wyoming	226	221	161	73	270	259	210	81
Total	13,632	12,509	7,998	64	16,248	14,934	9,535	64

Appendix H. Number of Federal Duck Stamps sold in 2001 and 2002 by state and flyway.

	Duck Stamp sales			Duck Stamp sales	
State / Flyway	2001	2002	State / Flyway	2001	2002
Connecticut	5,472	6,106	Colorado	28,433	25,460
Delaware	7,051	7,200	Kansas	26,337	26,367
Washington D.C.	1,516	3,106	Montana	7,559	7,268
Florida	18,923	20,469	Nebraska	33,825	31,886
Georgia	23,726	23,240	New Mexico	4,549	4,229
Maine	11,041	10,331	North Dakota	35,439	31,549
Maryland	31,569	31,328	Oklahoma	22,418	21,811
Massachusetts	9,157	8,850	South Dakota	33,463	30,881
New Hampshire	5,150	4,794	Texas	148,638	137,355
New Jersey	12,374	11,870	Wyoming	9,154	6,990
New York	42,318	39,036	Central Flyway	349,815	323,796
North Carolina	30,863	34,641			
Pennsylvania	52,522	51,361	Arizona	6,217	5,574
Rhode Island	1,645	1,622	California	77,541	71,955
South Carolina	23,497	23,352	Colorado	6,097	5,460
Vermont	4,824	5,201	Idaho	26,173	24,937
Virginia	23,418	24,049	Montana	14,435	13,880
West Virginia	2,029	1,735	Nevada	7,293	6,687
Atlantic Flyway	307,095	308,291	New Mexico	900	837
			Oregon	33,056	31,307
Alabama	17,818	16,274	Utah	27,815	27,341
Arkansas	66,117	61,740	Washington	36,547	34,769
Illinois	56,679	51,841	Wyoming	1,472	1,124
Indiana	29,203	30,441	Pacific Flyway	237,546	223,871
Iowa	31,765	31,799			
Kentucky	20,099	18,367	Alaska	10,068	10,173
Louisiana	106,295	95,664			
Michigan	62,720	60,653	U.S. Total	1,641,420	1,576,545
Minnesota	121,895	125,077			
Mississippi	25,598	24,805			
Missouri	40,353	39,495			
Ohio	36,973	33,111			
Tennessee	34,737	33,407			
Wisconsin	86,644	87,740			
Mississippi Flyway	736,896	710,414			



Appendix I. Number of Federal Duck Stamps sold (in thousands) in the United States, 1961-2002.