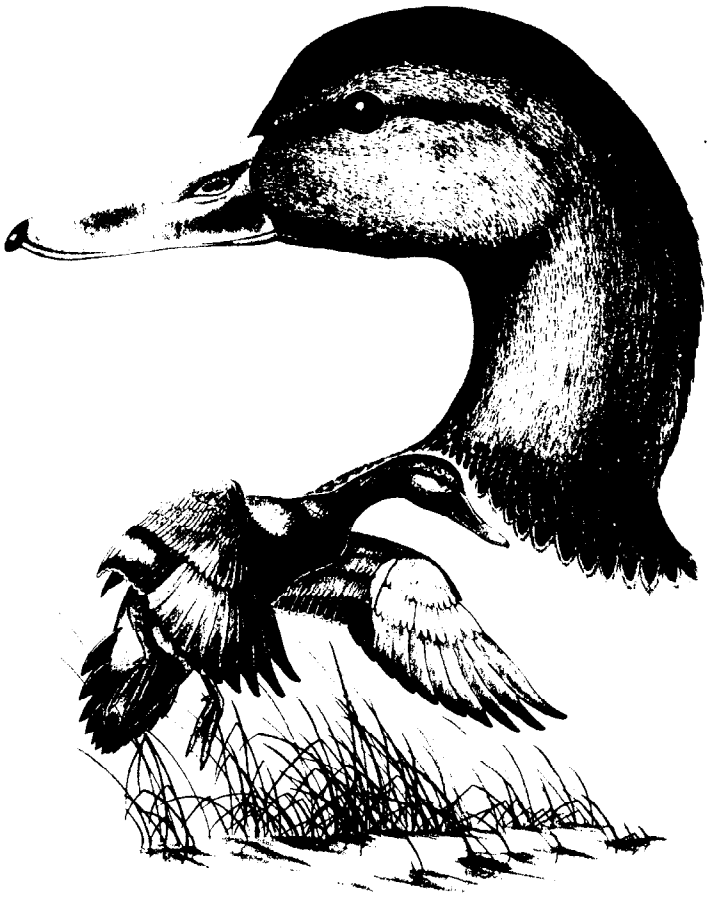
ATLANTIC FLYWAY

WATERFOWL HARVEST AND POPULATION SURVEY DATA

JULY 2008



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Note To Users

Since1961, estimates of waterfowl harvest, hunting activity, and success in the United States have been derived from the U.S. Fish and Wildlife Service's Waterfowl Harvest Survey. This was a two-part survey including: 1) a mail-questionnaire survey (MQS) of individuals who purchased duck stamps with the intention of hunting waterfowl, and 2) a waterfowl parts-collection survey used to determine harvest by species, age, and sex. Problems with using duck stamp purchasers as a sampling frame for harvest estimation led to the complete phasing out of the MQS in 2001 and beginning of a new survey design in the mid-1990s.

The new survey, called the Harvest Information Program (HIP), was fully implemented in 1999. In this program, the harvest sampling frame is derived from lists of those who have registered with State Wildlife Agencies as migratory bird hunters. The new questionnaire portion of the survey includes some species and groups of migratory game birds other than waterfowl (e.g. woodcock and doves). The parts-collection portion of the survey was expanded to include these species and groups as well.

Since the source of participants and the mail-questionnaire survey in the Harvest Information Program are different from those in the previously used survey, the estimates of waterfowl harvest, hunting activity, and hunter success derived from the two surveys ***are not comparable.***

For this reason, the harvest estimates (1961-2001) based on the discontinued MQS were removed from our annually-updated compilation of Atlantic Flyway data entitled "Waterfowl Harvest and Population Survey Data" and placed in a separate compilation entitled "Estimates of Waterfowl Harvest, Hunting Activity, and Success, 1961-2001."

Copies of the final MQS report are available upon request from:
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ATLANTIC FLYWAY

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DUCK STAMP SALES IN THE ATLANTIC FLYWAY

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1961	7,213	3,616	4,220	17,411	6,204	2,057	53,731	25,684	1,218	15,226	6,336	17,919	12,787	17,946	10,657	6,651	23,702	232,578
1962	8,020	3,637	4,333	17,162	7,497	1,625	50,014	27,621	1,454	18,734	5,664	18,977	14,037	20,457	10,541	5,882	20,656	236,311
1963	10,080	3,564	3,598	16,607	7,838	2,326	44,726	34,259	1,491	23,165	7,347	22,872	18,196	24,052	13,429	10,612	26,220	270,382
1964	10,997	4,292	4,721	18,255	7,834	2,196	53,917	37,855	1,263	22,312	7,815	25,588	17,332	23,579	13,039	7,732	26,029	284,756
1965	11,969	4,789	5,809	20,202	8,341	2,203	57,363	41,598	1,607	26,350	8,380	25,685	16,161	21,931	14,916	8,963	24,821	301,088
1966	13,641	5,115	6,563	22,452	9,548	2,500	67,549	43,662	1,641	26,928	9,179	28,040	19,082	24,982	16,576	10,500	28,514	336,472
1967	13,223	5,725	6,726	21,119	9,479	2,507	77,586	52,084	1,876	28,935	9,695	30,309	19,950	22,616	18,107	10,719	30,281	360,937
1968	14,696	5,884	7,656	23,758	12,005	2,961	86,492	58,055	1,799	30,384	11,055	31,629	19,003	22,204	18,896	11,228	27,057	384,762
1969	15,939	6,317	8,938	25,630	12,889	3,313	98,403	67,224	1,898	32,974	11,657	39,185	21,100	26,891	19,737	13,094	33,183	438,372
1970	18,182	7,435	9,880	29,993	15,779	3,509	108,582	81,074	2,103	35,002	12,503	37,539	22,769	31,830	21,659	14,005	44,543	496,387
1971	18,534	8,758	9,973	26,106	14,069	4,354	116,709	87,661	1,858	43,673	12,987	34,825	20,848	30,877	20,731	15,750	33,576	501,289
1972	15,750	7,982	9,094	26,070	13,165	3,618	103,526	70,657	2,066	35,980	11,549	32,320	21,480	25,341	18,224	13,059	28,383	438,264
1973	16,923	8,720	9,608	25,407	13,673	3,598	104,871	63,842	1,871	35,225	13,066	34,897	19,541	24,471	18,346	12,177	28,615	434,851
1974	18,200	8,762	10,878	26,001	14,943	3,688	95,716	69,111	1,910	36,090	13,778	39,710	20,626	29,100	20,744	13,207	26,385	448,849
1975	18,152	8,851	11,198	25,298	15,403	3,553	90,214	70,877	2,112	35,205	13,238	40,808	20,320	26,855	21,029	13,143	25,582	441,838
1976	17,458	8,067	10,879	22,934	15,005	3,583	79,882	72,686	2,081	31,888	12,429	41,559	21,544	28,224	21,861	13,513	32,340	435,933
1977	17,664	8,155	10,483	22,070	15,023	3,112	79,293	74,213	2,358	31,550	12,661	42,131	22,567	29,697	22,637	13,800	27,144	434,558
1978	18,650	8,600	10,577	21,875	16,539	3,338	83,388	76,154	2,354	31,597	12,779	45,551	23,441	29,203	23,669	14,792	28,814	451,321
1979	16,974	7,688	9,935	21,524	14,473	3,348	78,627	70,233	2,291	30,559	11,185	40,380	21,887	26,130	22,911	14,325	24,104	416,574
1980	16,473	7,683	10,186	21,291	15,188	2,481	78,335	66,115	2,337	28,288	10,293	41,270	20,458	27,306	23,303	14,901	23,373	409,281
1981	16,657	7,105	10,106	22,061	15,244	2,805	72,856	65,750	2,350	29,398	10,850	43,174	21,805	29,254	19,525	15,143	23,823	407,906
1982	14,470	7,039	9,815	20,684	14,839	2,944	71,441	65,813	2,445	27,320	10,081	43,482	21,822	30,827	20,348	16,191	23,368	402,929
1983	14,685	7,104	8,407	19,146	13,853	2,730	65,185	65,393	2,191	25,382	10,313	45,127	21,255	30,225	20,101	17,059	22,740	390,896
1984	13,634	7,763	8,976	20,222	14,589	2,845	68,857	68,785	2,143	25,845	10,962	49,224	22,845	31,412	20,726	19,024	25,014	412,866
1985	13,280	7,507	9,144	19,916	14,525	2,684	61,340	63,336	1,740	23,400	9,165	47,317	21,469	29,939	18,650	16,943	22,191	382,546
1986	13,185	7,022	9,726	21,296	14,908	2,705	66,733	61,940	2,028	23,159	9,189	44,294	21,246	30,314	19,598	18,185	22,216	387,744
1987	12,274	6,527	9,054	20,578	14,480	2,831	60,192	56,278	1,598	21,960	8,638	43,365	21,387	28,962	19,303	17,929	21,693	367,049
1988	10,461	6,091	8,256	27,577	13,087	2,931	50,557	50,931	1,298	21,357	9,493	36,252	25,525	23,179	16,148	15,098	23,595	341,836
1989	10,850	6,221	7,310	24,434	13,380	2,759	48,974	49,948	1,156	20,535	8,902	35,042	24,881	24,402	15,482	14,604	22,700	331,580
1990	11,244	6,741	7,322	22,056	13,277	2,582	49,663	49,821	1,328	20,024	8,015	34,958	24,430	23,467	15,832	15,261	20,382	326,403
1991	11,298	6,253	6,537	19,470	12,234	2,428	46,035	47,354	1,137	18,275	7,523	33,501	22,954	21,609	15,139	13,412	31,309	316,468
1992	10,128	5,216	6,175	17,363	10,598	2,126	42,521	48,777	1,055	17,255	7,380	37,564	21,203	22,119	16,182	13,586	21,084	300,332
1993	9,553	4,655	5,977	15,799	9,488	2,173	40,899	47,697	1,104	21,313	6,874	30,575	20,990	21,890	20,185	14,856	18,572	292,601
1994	9,855	4,821	5,879	15,360	10,758	2,064	42,138	48,071	1,606	16,222	8,371	31,319	22,375	24,070	17,659	16,570	19,704	296,841
1995	8,784	4,695	4,959	14,032	7,116	1,983	36,678	42,615	1,403	13,541	6,133	22,871	21,051	26,394	20,952	18,039	20,193	271,439
1996	9,251	4,812	5,239	13,793	7,436	2,016	40,558	47,922	1,603	14,096	6,591	23,196	22,838	27,903	22,331	19,357	22,887	291,829
1997	9,568	3,791	5,113	10,426	7,109	1,576	38,024	55,337	1,881	13,535	6,531	24,239	25,525	31,975	25,806	22,522	22,739	305,696
1998	10,324	4,345	5,719	10,622	4,749	1,793	40,573	52,733	1,828	13,275	3,945	26,074	23,826	29,665	24,099	20,887	21,633	296,090
1999	10,712	4,542	5,490	10,072	6,755	1,777	39,274	51,264	2,014	13,234	6,700	25,135	23,041	31,575	22,525	23,090	21,411	298,611
2000	10,790	4,741	5,132	9,105	4,293	1,603	42,184	52,492	2,107	12,313	6,568	25,965	24,944	34,413	25,110	24,231	19,802	305,793
2001	11,041	4,824	5,150	9,157	5,472	1,645	42,790	52,522	2,029	12,374	7,051	32,771	24,138	30,930	23,497	24,434	18,923	308,748
2002	10,331	5,201	4,794	9,077	6,106	1,622	39,491	51,361	1,735	11,870	7,200	33,534	25,267	34,777	23,352	23,923	20,469	310,110
2003	10,042	5,242	4,762	9,672	6,061	1,713	40,075	49,681	2,027	12,966	7,469	34,828	25,321	34,553	24,580	25,265	18,781	313,038
2004	9,167	4,723	4,581	7,903	5,782	1,669	40,029	48,371	1,674	12,206	7,282	35,114	27,595	37,856	24,289	23,520	17,123	308,884
2005	8,710	4,956	4,159	8,039	5,390	1,613	40,469	47,549	1,695	11,804	7,335	33,900	29,405	36,724	23,740	23,036	18,090	308,619
2006	6,228	3,391	3,258	5,612	3,507	1,018	32,042	46,000	1,411	8,903	6,015	31,013	23,440	36,141	25,154	22,635	18,330	276,104
2007*	7,912	3,193	3,109	5,471	3,665	1,148	31,637	45,415	1,575	9,476	6,485	34,324	22,315	37,485	25,183	23,502	20,590	284,492
AVERAGES:																		
61-65	9,656	3,980	4,536	17,927	7,543	2,081	51,950	33,403	1,407	21,157	7,108	22,208	15,703	21,593	12,516	7,968	24,286	265,023
66-70	15,136	6,095	7,953	24,590	11,940	2,958	87,722	60,420	1,863	30,845	10,818	33,340	20,381	25,705	18,995	11,909	32,716	403,386
71-75	17,512	8,615	10,150	25,776	14,251	3,762	102,207	72,430	1,963	37,235	12,924	36,512	20,563	27,329	19,815	13,467	28,508	453,018
76-80	17,444	8,039	10,412	21,939	15,246	3,172	79,905	71,880	2,284	30,776	11,869	42,178	21,979	28,112	22,876	14,266	27,155	429,533
81-85	14,545	7,304	9,290	20,406	14,610	2,802	67,936	65,815	2,174	26,269	10,274	45,665	21,839	30,331	19,870	16,872	23,427	399,429
86-90	11,603	6,520	8,334	23,188	13,826	2,762	55,224	53,784	1,482	21,407	8,847	38,782	23,494	26,065	17,273	16,215	22,117	350,922
91-95	9,924	5,128	5,905	16,405	10,039	2,155	41,654	46,903	1,261	17,321	7,256	31,166	21,714	23,216	18,023	15,293	22,172	295,536
96-2000	10,129	4,446	5,339	10,804	6,068	1,753	40,123	51,950	1,887	13,291	6,067	24,922	24,035	31,106	23,974	22,017	21,694	299,604
2001-05	9,858	4,989	4,689	8,770	5,762	1,652	40,571	49,897	1,832	12,244	7,267	34,029	26,345	34,968	23,892	24,036	18,677	309,880
2006-2007	7,070	3,292	3,184	5,542	3,586	1,083	31,840	45,708	1,493	9,190	6,250	32,669	22,878	36,813	25,169	23,069	19,460	280,298

*-Preliminary

C:\Data book\Atlantic\Hunter stats.xls Sheet: Stamp Sales Revision JDK 07/16/08

Estimtates of Active Duck Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	8,300	1,600	3,100	2,900	4,200	1,100	20,000	30,600	1,100	8,400	4,400	18,500	15,300	27,000	16,800	21,000	14,000	
2000	8,500	1,700	3,000	3,300	3,400	900	17,700	31,800	1,000	7,900	4,200	17,900	15,200	33,900	15,800	18,900	6,900	
2001	6,900	1,700	2,900	3,300	3,200	1,000	20,100	35,200	600	7,100	4,500	21,400	18,100	29,700	15,200	14,300	12,600	
2002	6,000	2,600	2,600	3,100	2,800	700	20,500	32,000	700	7,300	4,700	17,300	18,900	23,700	15,600	10,700	13,100	
2003*	6,100	1,300	3,000	3,300	3,000	900	19,600	32,100	900	6,800	5,000	19,700	14,300	20,900	15,600	18,500	12,900	
2004*	5,700	2,600	1,900	3,100	2,900	800	19,500	23,500	1,100	6,400	4,500	20,600	16,900	11,200	15,400	13,200	12,400	
2005*	6,200	2,400	2,300	3,300	3,000	1,000	21,500	28,600	800	6,600	4,500	17,900	18,600	24,800	19,400	12,300	11,200	
2006*	6,449	1,981	2,788	3,826	2,968	486	20,605	25,200	655	5,673	4,125	18,151	16,335	21,898	19,880	13,032	12,491	
2007*	5,480	1,803	2,340	2,690	2,990	940	20,979	29,749	993	6,287	3,735	16,910	17,334	21,724	17,388	11,993	12,240	
Averages																		
1999-2000	8,400	1,650	3,050	3,100	3,800	1,000	18,850	31,200	1,050	8,150	4,300	18,200	15,250	30,450	16,300	19,950	10,450	
2001-05	6,180	2,120	2,540	3,220	2,980	880	20,240	30,280	820	6,840	4,640	19,380	17,360	22,060	16,240	13,800	12,440	
2006-07	5,964	1,892	2,564	3,258	2,979	713	20,792	27,474	824	5,980	3,930	17,531	16,834	21,811	18,634	12,512	12,365	

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Ducks Revision: 07/17/08 JDK

Estimtates of Days Hunted by Active Duck Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	45,400	11,400	19,100	17,800	32,400	6,900	133,400	156,300	2,200	51,800	36,100	105,400	76,800	149,500	100,500	120,500	83,300	1,145,900
2000	42,200	12,400	17,300	19,400	25,000	7,000	121,800	161,300	5,600	51,500	29,000	107,500	97,500	182,100	112,400	101,700	71,200	1,164,900
2001	34,400	13,300	17,600	18,600	20,100	7,300	128,300	249,400	2,300	44,500	33,100	138,500	90,300	169,600	108,700	106,200	93,100	1,275,500
2002	36,300	19,800	17,200	21,800	18,800	4,700	134,200	178,900	5,300	48,000	35,800	107,300	98,000	159,200	111,400	49,400	103,800	1,149,800
2003*	27,500	10,000	19,600	19,200	16,800	5,800	123,800	158,200	3,900	42,400	37,700	112,400	91,000	138,200	116,800	113,100	70,500	1,106,900
2004*	26,600	17,100	12,400	18,900	16,700	5,400	123,200	138,900	5,200	35,700	32,400	110,900	88,600	74,200	89,300	67,500	75,600	938,400
2005*	26,700	20,200	14,400	20,200	20,700	6,000	134,700	128,600	4,100	42,800	33,000	100,500	98,700	155,300	111,000	77,000	73,400	1,067,300
2006*	28,453	13,814	20,071	22,378	19,139	4,477	128,577	125,957	3,175	39,418	28,060	100,304	91,059	149,437	128,757	76,318	66,787	1,046,183
2007*	30,325	10,601	15,491	17,743	20,083	6,154	139,641	160,999	6,682	45,088	28,215	90,945	94,100	145,373	117,377	66,952	80,487	1,076,254
Averages																		
1999-2000	43,800	11,900	18,200	18,600	28,700	6,950	127,600	158,800	3,900	51,650	32,550	106,450	87,150	165,800	106,450	111,100	77,250	1,155,400
2001-05	30,300	16,080	16,240	19,740	18,620	5,840	128,840	170,800	4,160	42,680	34,400	113,920	93,320	139,300	107,440	82,640	83,280	1,107,580
2006-07	29,389	12,208	17,781	20,060	19,611	5,315	134,109	143,478	4,928	42,253	28,138	95,625	92,579	147,405	123,067	71,635	73,637	1,061,218

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Ducks Revision: 07/17/08 JDK

Estimtates of Seasonal Duck Harvest per Active Duck Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	6.4	12.1	4.8	7.0	8.8	7.9	10.0	4.7	3.1	10.3	14.5	10.1	8.8	11.6	8.4	8.3	15.6	
2000	6.0	10.1	4.4	6.9	7.5	9.8	11.3	4.9	6.7	10.1	13.1	10.9	9.5	7.8	11.4	8.6	25.1	
2001	4.7	10.1	4.8	5.7	7.7	6.0	8.4	7.1	4.8	8.4	10.0	8.1	6.5	9.0	10.9	8.0	14.7	
2002	7.3	9.8	6.6	6.8	8.8	9.1	11.2	7.8	9.3	10.4	11.9	10.1	7.8	10.3	10.9	5.6	12.7	
2003*	5.3	12.6	5.4	5.5	8.0	9.9	10.4	3.9	5.2	9.4	12.9	9.1	9.9	9.6	11.8	6.9	8.7	
2004*	5.5	9.3	5.5	6.6	7.2	7.0	9.0	5.9	4.9	8.7	10.2	8.5	7.4	11.7	9.0	6.2	11.9	
2005*	7.2	10.6	5.7	6.4	8.0	6.5	8.7	4.6	4.9	9.3	9.8	7.4	7.1	10.9	8.5	7.9	15.6	
2006*	5.8	9.9	6.6	6.6	6.7	12.0	8.9	4.9	5.5	9.8	10.4	7.6	7.4	11.0	11.1	9.2	13.1	
2007*	7.0	9.2	6.0	7.0	10.0	10.0	10.0	7.0	9.0	11.0	13.0	8.0	8.0	10.0	9.0	9.0	16.0	
Averages																		
1999-2000	6.2	11.1	4.6	7.0	8.2	8.9	10.7	4.8	4.9	10.2	13.8	10.5	9.2	9.7	9.9	8.5	20.4	
2001-05	6.0	10.5	5.6	6.2	7.9	7.7	9.5	5.9	5.8	9.2	11.0	8.6	7.7	10.3	10.2	6.9	12.7	
2006-07	6.4	9.6	6.3	6.8	8.3	11.0	9.4	5.9	7.3	10.4	11.7	7.8	7.7	10.5	10.1	9.1	14.5	

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Ducks Revision: 07/17/08 JDK

Estimtates of Active Sea Duck Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	1,900	0	100	900	600	200	1,300	0	0	700	400	2,500	1,300	0	0	0	0	
2000	4,000	0	200	900	600	200	700	0	0	500	200	1,900	1,800	0	0	0	0	
2001	2,000	0	200	900	400	300	1,500	0	0	400	200	2,900	2,100	0	0	0	0	
2002	2,500	0	300	700	400	100	1,300	0	0	600	300	2,400	2,100	0	0	0	0	
2003*	2,800	0	300	1,000	1,000	300	1,500	0	0	800	300	3,100	2,600	0	0	0	0	
2004*	2,200	0	100	1,300	800	200	1,700	0	0	700	200	3,400	2,700	0	0	0	0	
2005*	1,200	0	200	1,400	400	400	1,200	0	0	700	200	4,200	2,900	0	0	0	0	
2006*	2,761	0	224	1,238	209	233	1,441	0	0	479	196	4,087	2,391	0	0	0	0	
2007*	1,846	0	166	823	280	315	1,997	0	0	773	341	3,225	2,467	0	0	0	0	
Averages																		
1999-2000	2,950	0	150	900	600	200	1,000	0	0	600	300	2,200	1,550	0	0	0	0	
2001-05	2,140	0	220	1,060	600	260	1,440	0	0	640	240	3,200	2,480	0	0	0	0	
2006-07	2,304	0	195	1,031	244	274	1,719	0	0	626	269	3,656	2,429	0	0	0	0	

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Sea ducks Revision: 07/17/08 JDK

Estimtates of Days Hunted by Active Sea Duck Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	6,200	0	300	2,800	2,500	800	6,600	0	0	2,200	600	5,100	2,600	0	0	0	0	29,800
2000	12,900	0	900	2,900	3,400	1,100	4,800	0	0	1,200	300	3,500	5,100	0	0	0	0	36,000
2001	5,500	0	1,100	3,500	1,800	1,300	6,700	0	0	1,300	200	7,500	4,700	0	0	0	0	33,600
2002	13,600	0	800	2,200	1,800	600	7,100	0	0	1,400	800	6,000	4,800	0	0	0	0	38,900
2003*	11,100	0	1,200	3,200	4,700	1,200	5,000	0	0	1,900	900	7,600	6,800	0	0	0	0	43,700
2004*	7,100	0	300	4,200	4,000	900	7,900	0	0	1,800	500	8,300	6,200	0	0	0	0	41,300
2005*	4,000	0	600	4,500	1,600	2,300	4,900	0	0	1,900	400	9,600	7,600	0	0	0	0	37,500
2006*	8,494	0	769	4,723	627	958	7,049	0	0	1,046	453	12,094	6,801	0	0	0	0	43,013
2007*	6,243	0	935	3,183	560	1,116	9,311	0	0	1,834	2,257	9,748	7,331	0	0	0	0	42,520
Averages																		
1999-2000	9,550	0	600	2,850	2,950	950	5,700	0	0	1,700	450	4,300	3,850	0	0	0	0	32,900
2001-05	8,260	0	800	3,520	2,780	1,260	6,320	0	0	1,660	560	7,800	6,020	0	0	0	0	39,000
2006-07	7,368	0	852	3,953	593	1,037	8,180	0	0	1,440	1,355	10,921	7,066	0	0	0	0	42,766

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Sea ducks Revision: 07/17/08 JDK

Estimtates of Seasonal Sea Duck Harvest per Active Sea Duck Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	8.1	0.0	6.2	5.7	4.9	8.0	2.8	0.0	0.0	3.4	3.2	4.9	2.9	0.0	0.0	0.0	0.0	
2000	8.4	0.0	6.2	8.1	4.1	6.3	4.3	0.0	0.0	5.0	3.8	5.3	2.2	0.0	0.0	0.0	0.0	
2001	7.4	0.0	6.8	8.6	5.0	7.7	5.4	0.0	0.0	5.7	2.5	5.8	3.2	0.0	0.0	0.0	0.0	
2002	6.5	0.0	6.1	5.7	7.2	7.5	6.4	0.0	0.0	4.6	4.7	5.5	3.8	0.0	0.0	0.0	0.0	
2003*	16.5	0.0	8.8	6.7	4.4	9.3	5.0	0.0	0.0	4.3	2.4	6.1	4.6	0.0	0.0	0.0	0.0	
2004*	9.6	0.0	2.3	7.6	8.2	8.1	6.4	0.0	0.0	4.3	3.6	6.0	4.2	0.0	0.0	0.0	0.0	
2005*	11.3	0.0	4.0	8.6	4.7	12.1	6.8	0.0	0.0	5.6	4.8	4.9	2.7	0.0	0.0	0.0	0.0	
2006*	8.0	0.0	4.7	7.5	1.5	11.8	6.3	0.0	0.0	3.5	5.0	6.7	4.6	0.0	0.0	0.0	0.0	
2007*	9.0	0.0	6.0	7.0	4.0	7.0	7.0	0.0	0.0	5.0	8.0	6.0	4.0	0.0	0.0	0.0	0.0	
Averages																		
1999-2000	8.3	0.0	6.2	6.9	4.5	7.2	3.6	0.0	0.0	4.2	3.5	5.1	2.6	0.0	0.0	0.0	0.0	
2001-05	10.3	0.0	5.6	7.4	5.9	8.9	6.0	0.0	0.0	4.9	3.6	5.7	3.7	0.0	0.0	0.0	0.0	
2006-07	8.5	0.0	5.3	7.2	2.8	9.4	6.6	0.0	0.0	4.3	6.5	6.4	4.3	0.0	0.0	0.0	0.0	

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Sea ducks Revision: 07/17/08 JDK

Estimtates of Active Goose Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	3,300	2,000	2,100	2,100	3,900	800	16,700	38,600	700	4,600	2,400	5,600	9,100	10,500	6,000	10,300	600	
2000	4,500	2,000	2,500	2,000	3,400	700	14,700	33,700	1,000	4,600	3,100	6,200	14,700	13,400	5,200	8,900	0	
2001	4,100	2,100	1,800	2,300	2,900	800	15,700	45,400	1,100	4,400	4,800	28,600	16,700	16,500	4,800	11,200	800	
2002	3,800	2,200	2,200	2,300	3,000	600	15,500	47,000	800	4,500	4,500	21,800	16,800	16,000	9,800	8,700	200	
2003*	4,700	1,700	2,100	2,400	2,800	900	15,700	41,300	900	4,500	4,700	23,400	12,700	14,000	6,800	12,000	1,000	
2004*	3,900	2,200	1,400	2,400	3,000	800	16,900	32,500	1,100	3,900	4,300	24,600	12,900	6,600	6,500	6,600	200	
2005*	3,400	2,200	1,900	2,300	2,900	900	17,500	37,000	500	4,000	4,300	25,600	14,500	19,800	8,000	8,500	100	
2006*	3,977	1,778	2,188	2,437	2,388	567	17,218	34,093	628	3,700	3,612	23,422	13,825	15,185	8,749	6,206	422	
2007*	4,632	1,771	1,968	2,056	2,117	853	17,699	37,540	1,060	4,774	4,053	26,510	15,217	15,712	8,337	6,090	729	
Averages																		
1999-2000	3,900	2,000	2,300	2,050	3,650	750	15,700	36,150	850	4,600	2,750	5,900	11,900	11,950	5,600	9,600	300	
2001-05	3,980	2,080	1,880	2,340	2,920	800	16,260	40,640	880	4,260	4,520	24,800	14,720	14,580	7,180	9,400	460	
2006-07	4,304	1,774	2,078	2,247	2,253	710	17,459	35,817	844	4,237	3,833	24,966	14,521	15,448	8,543	6,148	575	

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Geese Revision: 07/17/08 JDK

Estimtates of Days Hunted by Active Goose Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	11,000	9,400	12,000	14,000	19,900	3,900	86,700	195,700	2,400	21,300	13,000	16,500	33,800	30,600	17,000	28,300	1,000	516,300
2000	19,000	9,600	12,600	9,700	20,000	3,900	75,100	165,200	5,100	24,800	14,000	27,300	56,300	30,300	17,700	29,300	0	519,800
2001	17,800	9,400	8,800	13,200	17,700	5,400	85,900	273,100	5,000	22,900	28,100	187,500	75,700	55,100	20,300	47,700	1,500	875,000
2002	18,600	8,100	13,600	14,100	19,000	4,300	97,600	258,100	5,800	25,400	28,900	141,300	75,600	58,800	41,600	43,500	400	854,700
2003*	14,000	10,000	13,800	14,900	15,300	5,400	94,500	260,900	5,200	23,200	25,600	149,000	69,200	55,300	23,600	47,600	3,300	830,800
2004*	14,700	11,300	7,800	14,300	17,500	5,300	95,000	180,800	7,100	19,500	28,700	136,300	63,400	17,000	20,300	32,000	1,100	672,100
2005*	15,100	13,300	12,600	14,000	17,000	4,700	104,400	189,800	3,400	20,500	25,900	143,900	70,400	81,700	32,900	46,500	300	796,300
2006*	16,757	8,211	16,400	14,124	14,261	4,451	95,396	168,345	2,874	21,620	22,183	135,483	63,511	51,412	41,194	14,440	843	691,505
2007*	17,133	6,924	10,670	13,202	14,387	5,347	106,068	244,784	6,721	29,037	25,394	131,937	70,143	62,313	27,787	28,038	1,749	801,635
Averages																		
1999-2000	15,000	9,500	12,300	11,850	19,950	3,900	80,900	180,450	3,750	23,050	13,500	21,900	45,050	30,450	17,350	28,800	500	518,050
2001-05	16,040	10,420	11,320	14,100	17,300	5,020	95,480	232,540	5,300	22,300	27,440	151,600	70,860	53,580	27,740	43,460	1,320	805,780
2006-07	16,945	7,567	13,535	13,663	14,324	4,899	100,732	206,564	4,798	25,329	23,789	133,710	66,827	56,863	34,490	21,239	1,296	746,570

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Geese Revision: 07/17/08 JDK

Estimtates of Seasonal Goose Harvest per Active Goose Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	1.0	2.4	2.1	5.7	5.2	4.3	4.9	4.1	8.2	5.1	13.0	6.5	4.0	3.2	1.6	1.2	2.0	
2000	2.5	4.1	2.1	5.7	5.9	4.8	6.2	3.6	3.5	7.4	12.1	6.6	3.3	2.2	2.1	1.4	0.0	
2001	1.3	3.2	2.2	5.0	6.1	4.8	6.1	5.0	4.7	6.7	6.5	6.6	3.3	2.8	3.3	2.3	1.5	
2002	2.8	3.5	2.8	5.5	7.2	5.8	7.2	4.6	6.3	7.9	7.9	5.8	4.1	2.4	2.8	2.4	1.0	
2003*	2.1	4.3	2.6	5.3	6.7	5.6	6.4	4.7	4.7	6.8	5.1	5.9	5.0	3.1	2.2	2.1	3.6	
2004*	1.8	4.0	2.2	6.2	6.9	5.7	6.8	5.3	6.8	7.1	6.1	6.0	4.3	2.8	2.6	3.2	1.5	
2005*	2.3	4.4	2.8	5.6	7.2	3.6	7.4	5.1	7.1	7.0	6.0	6.9	4.2	3.8	3.4	4.1	0.0	
2006*	2.5	4.4	3.1	5.4	5.8	9.3	7.0	5.0	4.0	8.8	5.5	6.6	3.5	2.8	3.1	2.4	6.7	
2007*	2.0	4.0	3.0	5.0	9.0	6.0	8.0	8.0	6.0	9.0	7.0	7.0	4.0	4.0	3.0	4.0	2.0	
Averages																		
1999-2000	1.8	3.3	2.1	5.7	5.6	4.6	5.6	3.9	5.9	6.3	12.6	6.6	3.7	2.7	1.9	1.3	1.0	
2001-05	2.1	3.9	2.5	5.5	6.8	5.1	6.8	4.9	5.9	7.1	6.3	6.2	4.2	3.0	2.9	2.8	1.5	
2006-07	2.2	4.2	3.0	5.2	7.4	7.6	7.5	6.5	5.0	8.9	6.2	6.8	3.8	3.4	3.0	3.2	4.3	

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Geese Revision: 07/17/08 JDK

Estimtates of Active Brant Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	0	0	0	200	100	100	1,000	0	0	1,700	300	100	1,000	2,300	0	0	0	
2000	0	0	0	300	200	100	1,500	0	0	1,500	300	300	2,300	2,800	0	0	0	
2001	0	0	0	400	200	200	1,400	0	0	1,700	100	200	1,700	1,200	0	0	0	
2002	0	0	0	300	300	100	1,700	0	0	1,700	400	400	1,800	1,400	0	0	0	
2003*	0	0	100	300	800	300	1,900	0	0	1,900	500	500	2,300	1,600	0	0	0	
2004*	0	0	25	300	300	100	1,400	0	0	1,600	200	300	1,400	400	0	0	0	
2005*	0	0	0	400	300	200	1,400	0	0	2,100	300	600	2,400	2,700	0	0	0	
2006*	0	0	0	257	139	125	1,261	0	0	1,358	301	477	1,353	1,847	0	0	0	
2007*	0	0	63.26	430.96	113	344	1,627	0	0	1,530	302	329	1,454	2,359	0	0	0	
Averages																		
1999-2000	0	0	0	250	150	100	1,250	0	0	1,600	300	200	1,650	2,550	0	0	0	
2001-05	0	0	25	340	380	180	1,560	0	0	1,800	300	400	1,920	1,460	0	0	0	
2006-07	0	0	32	344	126	234	1,444	0	0	1,444	301	403	1,403	2,103	0	0	0	

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Geese Revision: 07/17/08 JDK

Estimtates of Days Hunted by Active Brant Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	0	0	0	400	200	400	5,200	0	0	6,300	1,100	500	1,900	3,400	0	0	0	19,400
2000	0	0	0	1,000	700	600	12,400	0	0	4,800	1,300	600	5,900	5,400	0	0	0	32,600
2001	0	0	0	1,200	400	700	10,600	0	0	6,100	400	700	4,900	9,600	0	0	0	34,600
2002	0	0	0	700	1,000	500	9,700	0	0	6,800	1,000	2,300	5,200	6,300	0	0	0	33,400
2003*	0	0	500	1,200	2,400	2,000	11,000	0	0	7,000	1,300	1,600	8,800	3,500	0	0	0	39,400
2004*	0	0	100	900	1,800	800	5,400	0	0	6,100	1,000	3,500	4,800	700	0	0	0	25,100
2005*	0	0	0	1,300	1,500	800	6,700	0	0	6,800	900	2,000	5,300	7,100	0	0	0	32,200
2006*	0	0	0	830	554	521	5,146	0	0	4,469	881	1,956	3,826	3,955	0	0	0	22,138
2007*	0	0	253	1,271	113	1,335	6,314	0	0	7,740	1,444	1,329	4,787	6,672	0	0	0	31,256
Averages																		
1999-2000	0	0	0	700	450	500	8,800	0	0	5,550	1,200	550	3,900	4,400	0	0	0	26,000
2001-05	0	0	120	1,060	1,420	960	8,680	0	0	6,560	920	2,020	5,800	5,440	0	0	0	32,940
2006-07	0	0	127	1,050	334	928	5,730	0	0	6,105	1,162	1,643	4,306	5,313	0	0	0	26,697

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Geese Revision: 07/17/08 JDK

Estimtates of Seasonal Brant Harvest per Active Brant Hunters in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	0.0	0.0	0.0	0.9	0.0	2.3	2.8	0.0	0.0	3.9	5.1	1.8	1.8	2.2	0.0	0.0	0.0	
2000	0.0	0.0	0.0	2.4	1.7	3.1	4.5	0.0	0.0	4.0	5.2	0.4	3.4	0.5	0.0	0.0	0.0	
2001	0.0	0.0	0.0	2.1	1.9	2.7	4.6	0.0	0.0	4.0	2.5	3.3	2.0	3.9	0.0	0.0	0.0	
2002	0.0	0.0	0.0	2.8	2.8	4.2	4.3	0.0	0.0	5.9	4.1	1.6	3.2	4.4	0.0	0.0	0.0	
2003*	0.0	0.0	1.1	4.8	3.4	3.8	5.3	0.0	0.0	5.3	3.4	3.5	4.0	4.0	0.0	0.0	0.0	
2004*	0.0	0.0	1.7	1.0	3.1	2.3	2.7	0.0	0.0	3.1	2.4	2.3	2.1	2.0	0.0	0.0	0.0	
2005*	0.0	0.0	0.0	1.4	2.6	3.0	3.3	0.0	0.0	4.0	4.3	2.9	2.5	2.3	0.0	0.0	0.0	
2006*	0.0	0.0	0.0	1.5	0.0	3.5	2.7	0.0	0.0	3.8	2.6	4.8	1.8	1.9	0.0	0.0	0.0	
2007*	0.0	0.0	1.3	2.0	2.0	3.0	3.0	0.0	0.0	5.0	3.0	3.0	1.0	2.0	0.0	0.0	0.0	
Averages																		
1999-2000	0.0	0.0	0.0	1.7	0.9	2.7	3.7	0.0	0.0	4.0	5.2	1.1	2.6	1.4	0.0	0.0	0.0	
2001-05	0.0	0.0	0.6	2.4	2.8	3.2	4.0	0.0	0.0	4.5	3.3	2.7	2.8	3.3	0.0	0.0	0.0	
2006-07	0.0	0.0	0.6	1.7	1.0	3.3	2.9	0.0	0.0	4.4	2.8	3.9	1.4	2.0	0.0	0.0	0.0	

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Geese Revision: 07/17/08 JDK

Estimates of Regular-Season All-duck Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	69,300	20,000	15,600	25,500	40,200	10,300	204,200	144,600	3,200	88,600	59,000	190,600	138,000	307,500	139,600	170,200	202,500	1,829,000
2000	85,300	17,300	14,500	29,800	28,400	10,500	203,300	157,500	6,900	82,200	51,900	199,100	146,800	262,200	178,900	160,500	156,700	1,791,900
2001	47,400	17,500	15,600	26,300	26,400	8,500	176,500	250,800	3,000	61,900	42,600	182,800	123,700	264,700	164,000	109,400	173,500	1,694,600
2002	60,400	25,900	19,300	24,700	26,900	7,100	238,000	250,400	6,300	79,000	56,700	185,600	156,300	242,400	169,400	57,900	153,800	1,760,100
2003*	78,300	16,300	18,700	24,900	28,200	11,200	211,500	124,300	4,800	66,900	62,800	195,700	152,500	199,000	182,700	124,400	106,000	1,608,100
2004*	51,800	24,300	11,000	30,100	27,400	7,400	185,700	138,100	5,600	58,400	45,400	194,200	136,400	130,500	137,000	79,800	144,600	1,407,700
2005*	58,600	25,400	14,300	33,300	26,000	11,000	194,700	132,300	4,000	65,000	44,300	151,100	138,300	270,600	163,200	93,800	165,100	1,591,000
2006*	59,400	19,600	19,400	34,600	20,200	8,500	191,800	123,400	3,600	57,300	41,600	163,300	130,800	237,900	219,600	112,900	154,000	1,597,800
2007*	54,100	16,700	14,900	23,700	32,000	11,200	228,600	195,400	8,600	73,200	50,100	145,700	149,900	217,700	152,200	96,600	188,000	1,658,600
Averages																		
1999-2000	77,300	18,700	15,000	27,700	34,300	10,400	203,800	151,100	5,100	85,400	55,500	194,900	142,400	284,900	159,250	165,400	179,600	1,810,500
2001-05	59,300	21,900	157,900	27,900	27,000	900	201,000	179,200	4,700	66,200	50,400	181,900	141,400	221,400	163,260	93,000	148,600	1,612,300
2006-07	56,800	18,200	17,200	29,200	26,100	9,900	210,200	159,400	6,100	65,300	45,900	154,500	140,400	227,800	185,900	104,800	171,000	1,628,200

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: TOTDU-MALL-MBDH Revision: 07/18/06 RVR

Estimates of Regular-Season Mallard Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	11,100	6,500	6,800	7,900	17,300	2,300	87,900	69,900	1,400	23,400	10,300	51,000	49,500	38,500	34,100	25,700	700	444,100
2000	11,000	8,300	6,300	9,900	12,000	3,600	100,100	86,900	2,700	27,000	12,800	72,200	55,900	63,500	29,500	20,900	500	523,000
2001	8,200	9,200	5,900	6,700	11,800	1,400	81,700	127,000	1,500	16,100	15,200	69,500	43,300	39,900	21,400	12,300	1,500	472,700
2002	13,700	14,100	7,400	9,300	13,600	1,000	108,500	125,700	3,300	20,900	19,900	62,800	59,600	44,300	23,600	10,500	700	538,800
2003*	12,000	6,800	7,000	7,400	11,700	2,100	88,900	60,300	2,500	13,700	21,500	77,400	43,000	25,300	32,500	15,000	100	427,300
2004*	12,200	10,900	5,200	9,200	11,900	1,400	85,400	71,600	3,100	15,800	21,100	69,800	41,000	30,500	22,500	10,200	300	422,000
2005*	16,900	10,700	5,900	10,700	13,900	2,200	79,600	66,500	1,400	20,100	18,500	50,700	53,500	63,000	24,800	5,000	800	444,300
2006*	12,200	8,000	6,200	10,300	10,100	2,100	83,400	65,500	1,500	15,800	13,700	54,300	39,900	32,500	35,900	6,600	1,700	399,700
2007*	12,700	7,600	6,000	7,200	15,700	2,600	92,000	92,300	4,200	20,300	16,200	41,200	47,500	32,900	26,800	3,200	1,400	429,900
Averages																		
1999-2000	11,050	7,400	6,550	8,900	14,650	2,950	94,000	78,400	2,050	25,200	11,550	61,600	52,700	51,000	31,800	23,300	600	483,600
2001-05	12,600	10,340	6,280	8,660	12,580	1,620	88,820	90,220	2,360	17,320	19,240	66,040	48,080	40,600	24,960	10,600	680	461,100
2006-07	12,450	7,800	6,100	8,750	12,900	2,350	87,700	78,900	2,850	18,050	14,950	47,750	43,700	32,700	31,350	4,900	1,550	414,800

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: TOTDU-MALL-MBDH Revision: 07/18/06 RVR

Estimates of Regular-Season Mallard X Black Duck Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	800	200	500	300	500	0	1,600	600	0	800	300	900	700	500	300	300	0	8,400
2000	1,900	300	500	400	300	400	3,000	2,400	0	1,100	1,100	2,600	2,100	900	300	100	0	17,200
2001	400	500	200	500	300	200	2,200	1,600	0	1,100	100	1,700	1,700	700	300	0	0	11,500
2002	700	300	500	300	200	100	2,000	1,700	100	1,200	500	1,600	1,900	400	500	0	0	12,100
2003*	500	100	200	200	500	100	1,300	300	0	700	300	1,000	1,100	300	400	0	0	7,000
2004*	300	0	100	200	300	200	2,200	500	100	900	800	1,700	800	200	100	200	200	8,700
2005*	1,000	200	300	300	300	200	2,400	200	0	1,200	1,000	1,900	1,200	1,600	1,600	0	200	13,700
2006*	2,006	100	300	300	400	400	100	1,700	1,100	0	400	300	1,500	600	400	700	200	100 #
2007*	500	200	300	400	500	100	1,200	1,400	0	600	600	1,300	900	400	1,300	0	100	9,800
Averages																		
1999-2000	1,400	200	500	400	400	200	2,000	2,000	0	1,000	700	1,800	1,400	700	300	200	0	12,800
2001-05	600	200	260	300	300	200	2,000	900	40	1,000	500	1,600	1,300	600	600	40	80	10,600
2006-07	1,300	200	300	350	500	300	700	2,000	600	300	500	800	1,200	500	850	400	200	5,000

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: TOTDU-MALL-MBDH Revision: 07/17/08 JDK

Estimates of Regular-Season Black Duck Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	11,900	1,900	1,700	4,000	5,700	2,200	18,600	7,100	0	16,500	4,500	8,500	10,300	6,000	1,400	1,600	100	102,000
2000	9,100	2,100	2,400	5,300	3,800	2,100	23,400	9,600	700	13,100	7,200	18,100	10,700	6,200	1,700	600	100	116,100
2001	6,200	1,900	1,700	4,000	3,200	1,000	18,200	13,900	100	13,600	3,200	14,000	9,100	3,500	1,900	200	100	95,900
2002	8,400	3,100	2,500	4,400	2,600	900	26,400	15,300	500	12,700	6,300	20,800	15,200	4,800	1,300	200	100	125,500
2003*	5,000	1,800	2,600	2,700	4,500	1,200	20,000	7,000	400	12,800	5,700	15,800	9,700	4,900	500	500	0	95,100
2004*	5,800	1,900	1,100	1,800	3,100	1,100	15,400	5,600	600	8,200	4,200	16,000	7,100	2,400	700	0	0	74,900
2005*	7,600	2,300	1,600	3,100	3,600	1,500	23,700	7,100	200	11,000	5,400	11,400	9,300	4,300	1,000	300	0	93,400
2006*	5,400	1,500	1,900	4,700	3,000	1,500	21,000	8,000	200	12,100	6,300	14,000	7,200	5,500	1,100	0	0	93,400
2007*	5,000	1,200	1,500	3,900	3,400	2,300	22,700	12,100	600	12,800	5,800	10,500	10,900	4,100	2,000	0	0	98,700
Averages																		
1999-2000	10,500	2,000	2,050	4,700	4,800	2,200	21,000	8,400	400	14,800	5,900	13,300	10,500	6,100	1,600	1,100	100	109,100
2001-05	6,600	2,200	1,900	3,200	3,400	1,100	20,700	9,800	400	11,700	5,000	15,600	10,100	4,000	1,100	200	40	97,000
2006-07	5,200	1,400	1,700	4,300	3,200	1,900	21,900	10,000	400	12,500	6,100	12,250	9,100	4,800	1,600	0	0	96,100

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: ABDU-MODU-GADW Revision: 07/18/06 RVR

Estimates of Regular-Season Mottled Duck Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	300	5,200	5,600
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	300	7,800	9,100
2001	0	0	0	0	0	0	0	0	0	0	0	0	0	400	1,400	200	13,100	15,100
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	700	200	12,100	13,000
2003*	0	0	0	0	0	0	0	0	0	0	0	0	100	0	1,800	200	8,300	10,400
2004*	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	15,100	15,300
2005*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	10,400	10,600
2006*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	200	13,100	13,800
2007*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,100	200	11,500	12,900
Averages																		
1999-2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	600	300	6,500	7,400
2001-05	0	0	0	0	0	0	0	0	0	0	0	0	20	100	800	100	11,800	12,900
2006-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	800	200	12,300	13,400

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: ABDU-MODU-GADW Revision: 07/18/06 RVR

Estimates of Regular-Season Gadwall Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	0	0	0	800	500	1,100	3,300	1,400	100	800	3,800	11,100	5,900	14,000	11,300	3,700	4,500	62,200
2000	0	0	100	200	900	200	2,300	800	100	1,500	2,500	8,000	14,700	16,100	6,600	9,000	4,400	67,500
2001	0	0	0	100	300	100	1,800	1,100	0	500	1,500	3,800	6,000	7,100	7,200	3,900	400	33,800
2002	0	100	0	100	200	0	2,600	1,600	0	1,300	2,900	3,700	11,000	10,500	2,000	3,300	500	39,800
2003*	100	100	0	100	200	300	2,100	2,500	0	600	1,400	4,700	8,100	9,900	2,400	5,800	200	38,500
2004*	200	200	0	0	200	200	1,500	800	0	700	600	2,200	5,900	5,800	2,200	3,400	300	24,300
2005*	100	100	0	0	300	300	2,100	2,600	0	600	3,600	2,800	5,100	11,100	800	2,800	2,100	34,300
2006*	0	100	0	0	0	100	2,200	2,400	0	100	900	3,700	7,100	8,700	5,200	2,400	400	33,300
2007*	0	0	0	200	200	100	1,600	4,100	200	300	2,700	2,000	10,800	5,500	7,000	3,000	1,200	38,900
Averages																		
1999-2000	0	0	50	500	700	700	2,800	1,100	100	1,200	3,200	19,600	10,300	15,100	900	6,400	4,500	64,900
2001-05	80	100	0	60	200	200	2,000	1,700	0	700	2,000	3,400	7,200	8,900	2,900	3,800	700	34,100
2006-07	0	50	0	100	100	100	1,900	3,300	100	200	1,800	2,900	9,000	7,100	6,100	2,700	800	36,100

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: ABDU-MODU-GADW Revision: 07/17/08 JDK

Estimates of Entire-Season Green-winged Teal Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	12,900	5,100	1,600	1,400	4,900	400	22,500	9,300	100	15,200	28,400	41,200	11,400	37,300	16,900	8,200	24,700	241,600
2000	8,800	2,400	800	1,300	1,600	200	12,200	6,000	100	16,000	19,500	25,300	9,300	29,700	25,400	11,000	21,500	190,800
2001	2,900	1,200	700	1,300	1,200	300	12,600	7,500	0	11,900	12,900	25,900	11,000	23,200	18,100	6,700	11,500	149,100
2002	8,100	1,900	1,300	1,300	600	300	15,100	11,900	300	13,200	10,500	17,300	5,600	28,900	15,500	4,700	22,200	158,600
2003*	5,200	2,100	1,200	2,000	500	300	14,200	7,100	100	9,900	18,400	16,300	10,900	22,100	12,500	4,600	9,400	137,200
2004*	2,800	2,500	800	1,200	1,100	100	10,700	5,000	100	7,700	7,700	22,700	11,600	9,000	17,400	3,800	11,000	115,000
2005*	3,100	2,700	1,200	1,100	1,100	100	11,600	6,100	0	5,400	4,900	13,400	8,200	25,400	15,400	4,300	16,700	120,700
2006*	4,300	3,300	1,200	2,500	800	200	14,300	6,400	100	7,500	9,500	12,000	11,300	28,600	21,100	9,600	21,800	154,600
2007*	6,100	2,500	1,100	1,400	2,400	300	17,200	11,400	300	10,700	9,700	13,100	5,400	20,500	21,700	7,700	25,500	157,000
Averages																		
1999-2000	10,900	3,800	1,200	1,400	3,300	300	17,400	7,700	100	15,600	24,000	33,300	10,400	33,500	21,200	9,600	23,100	216,200
2001-05	4,400	2,000	1,000	1,400	900	200	12,800	7,500	100	9,600	10,900	19,100	9,500	21,700	15,800	4,800	14,200	136,200
2006-07	5,200	2,900	1,200	2,000	1,600	300	15,800	8,900	200	9,100	9,600	12,600	8,400	24,600	21,400	8,700	23,700	155,800

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: AGWT-BCTE-AMWI Revision: 07/18/06 RVR

Estimates of Entire-Season Blue-winged Teal\ Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	900	400	100	0	100	100	2,700	900	100	200	2,000	5,800	500	5,600	8,900	4,200	49,400	81,900
2000	200	100	100	0	0	0	1,500	300	300	100	1,800	2,000	1,200	3,700	10,300	2,700	54,000	78,200
2001	500	0	0	0	0	0	1,400	1,900	100	200	700	6,100	1,000	6,700	6,100	6,000	41,600	72,400
2002	200	100	0	0	0	0	800	1,300	100	100	400	1,900	400	3,000	4,500	1,600	47,000	61,300
2003*	500	0	0	0	0	0	1,000	700	100	100	500	1,200	500	2,100	4,800	3,800	30,500	45,900
2004*	0	200	0	0	0	0	1,100	100	0	0	400	1,000	200	1,600	8,500	3,800	56,000	73,000
2005*	900	700	100	100	0	0	2,000	1,900	100	300	100	1,900	1,200	3,200	14,300	3,800	46,700	77,100
2006*	300	200	100	0	0	0	400	300	100	0	300	1,800	700	2,300	8,200	8,200	47,600	70,600
2007*	300	100	0	0	0	0	1,200	1,000	300	100	200	700	400	2,100	11,400	5,400	66,400	89,700
Averages																		
1999-2000	600	300	100	0	50	50	2,100	600	200	200	1,900	3,900	900	4,700	9,600	3,500	51,700	80,100
2001-05	400	200	20	20	0	0	1,300	1,200	80	100	400	2,400	700	3,300	7,600	3,800	44,400	65,900
2006-07	300	200	50	0	0	0	800	700	200	50	300	1,300	600	2,200	9,800	6,800	57,000	80,200

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: AGWT-BCTE-AMWI Revision: 07/18/06 RVR

Estimates of Regular-Season Wigeon Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	300	100	0	500	200	300	5,000	1,000	0	2,200	1,600	12,100	1,700	15,200	2,100	1,900	5,200	49,600
2000	100	0	0	200	800	500	2,700	700	200	800	500	6,800	3,100	8,900	9,800	600	3,300	39,000
2001	0	100	0	100	700	200	3,300	1,400	0	400	800	5,700	3,500	12,200	5,400	2,100	1,600	37,600
2002	200	200	200	0	700	100	3,700	1,600	0	1,400	1,700	3,700	4,300	10,700	3,200	500	400	32,500
2003*	300	300	0	300	100	200	3,300	500	0	600	1,600	5,700	5,800	12,800	2,100	800	5,000	39,500
2004*	300	200	100	100	100	400	2,600	400	0	600	700	1,200	1,700	4,000	2,100	900	4,100	19,400
2005*	100	200	0	100	100	300	2,800	1,700	0	800	1,300	2,400	2,000	4,100	600	0	4,200	20,700
2006*	100	100	100	100	200	500	6,600	1,800	100	300	1,800	3,900	1,600	17,000	1,800	1,200	2,900	40,000
2007*	200	300	100	200	300	900	4,800	1,000	0	400	600	2,000	2,400	6,800	2,900	200	2,200	25,500
Averages																		
1999-2000	200	50	0	400	500	400	3,900	900	100	1,500	1,100	9,500	2,400	12,100	6,000	1,300	4,300	44,300
2001-05	200	200	60	100	300	200	3,100	1,100	0	800	1,200	3,700	3,500	8,800	2,700	900	3,100	29,000
2006-07	200	200	100	200	300	700	5,700	1,400	50	400	1,200	3,000	2,000	11,900	2,400	700	2,600	32,800

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: AGWT-BCTE-AMWI Revision: 07/17/08 JDK

Estimates of green-winged teal harvest during the Special September Teal Season in the Atlantic Flyway and September Duck Season in Florida, based on the Mail Questionnaire Survey (1981-2001) and the Harvest Information Program (1999-2007).

Year	DE	MD	VA	NC	SC	GA	FL	Total
Mail Questionnaire Survey								
1981							300	300
1982							0	0
1983							0	0
1984							300	300
1985							300	300
1986							100	100
1987							200	200
1988							0	0
1989							0	0
1990							0	0
1991							0	0
1992							100	100
1993							0	0
1994							0	0
1995							100	100
1996							200	200
1997							400	400
1998	0	2,200	1,300	1,900	500	0	200	3,800
1999	3,600	4,600	2,500	1,300	0	0	100	7,400
2000	2,500	4,600	1,400	1,600	0	1,400	0	6,900
2001	1,800	4,300	900	0	0	1,000	0	3,800
Harvest Information Program								
1999	3,400	4,200	400	900	0	0	100	8,900
2000	2,600	3,500	700	400	0	400	0	7,700
2001	1,900	3,400	200	0	0	2,100	0	7,600
2002	900	800	100	300	0	0	0	2,100
2003*	1,800	900	200	200	100	0	0	2,300
2004*	800	1,200	300	0	0	0	0	1,200
2005*	300	900	100	1,100	0	0	0	2,400
2006*	2,200	500	100	1,500	700	0	0	4,900
2007*	400	500	100	0	100	200	0	1,300
Averages								
Mail Questionnaire Survey								
81-85							180	180
86-90							60	60
91-95							40	40
95-2000	2,033		1,733	1,600	167	467	167	3,133
Harvest Information Program								
1999-2000	3,000	3,850	550	650	0	200	50	8,300
2001-05	1,140	1,440	180	320	20	420	0	3,120
2006-07	1,300	500	100	750	400	100	0	3,100

* Preliminary estimates

C:\Data Book\Atlantic\Harvest Estimates\September duck seasons.xls

Sheet: AGWT

Revision: 07/17/08 JDK

Estimates of blue-winged/cinnamon teal harvest during the Special September Teal season in the Atlantic Flyway and September Duck Season in Florida, based on the Mail Questionnaire Survey (1981-2001) and the Harvest Information Program (1999-2007).

Year	DE	MD	VA	NC	SC	GA	FL	Total
Mail Questionnaire Survey								
1981							5,700	5,700
1982							0	0
1983							11,600	11,600
1984							14,100	14,100
1985							12,900	12,900
1986							7,700	7,700
1987							7,800	7,800
1988							0	0
1989							0	0
1990							0	0
1991							0	0
1992							3,000	3,000
1993							3,400	3,400
1994							4,200	4,200
1995							7,800	7,800
1996							14,700	14,700
1997							19,700	19,700
1998	3,600	6,000	600	4,600	2,900	300	8,000	20,100
1999	1,400	5,500	800	4,000	4,200	3,000	9,400	22,900
2000	1,100	2,400	2,000	4,700	3,400	6,900	10,200	28,200
2001	400	4,800	1,400	4,100	2,200	1,600	7,800	17,400
Harvest Information Program								
1999	1,300	5,000	100	2,900	2,000	4,000	9,500	24,800
2000	1,200	1,800	900	1,300	1,500	2,100	12,500	21,400
2001	400	3,800	300	1,500	1,900	3,300	8,000	19,200
2002	100	1,300	200	300	800	1,300	9,200	13,100
2003*	400	900	200	1,100	500	2,800	5,100	10,000
2004*	0	100	0	800	1,700	1,800	2,600	6,800
2005*	0	400	600	0	2,900	3,500	7,900	15,400
2006*	300	1,100	300	600	1,400	6,400	7,800	17,800
2007*	100	300	100	500	7,600	5,200	8,200	22,000
Averages								
Mail Questionnaire Survey								
81-85							8860	8860
86-90							3100	3100
91-95							3680	3680
95-2000	2,033		1,133	4,433	3,500	3,400	11,633	18,900
Harvest Information Program								
1999-2000	1,250	3,400	500	2,100	1,750	3,050	11,000	23,100
2001-05	180	1,300	260	740	1,560	2,540	6,560	12,900
2006-07	200	700	200	550	4,500	5,800	8,000	19,900

* Preliminary estimates

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Sheet: BCTE

Revision: 07/17/08 JDK

Estimates of Regular-Season Shoveler Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	0	100	0	0	0	0	600	300	0	500	1,400	1,500	1,100	2,400	2,100	1,100	6,200	17,400
2000	0	100	0	0	0	0	300	400	0	100	2,300	1,500	1,300	3,000	2,600	1,100	5,300	17,900
2001	0	0	0	0	0	0	400	600	0	1,100	1,000	800	600	3,800	3,500	600	9,000	21,500
2002	100	100	0	0	0	0	900	500	0	500	1,800	900	500	2,700	1,700	500	4,500	14,700
2003*	0	60	0	40	0	0	711	185	0	517	3,057	624	465	1,359	2,528	990	2,212	12,748
2004*	0	100	0	100	0	0	300	0	0	300	1,600	400	600	2,100	900	1,100	2,500	9,900
2005*	100	100	0	0	0	0	1,000	200	0	300	1,300	600	700	3,900	1,800	500	8,100	18,700
2006*	0	0	0	0	0	0	400	200	0	200	1,200	200	800	1,700	2,000	0	5,700	12,500
2007*	0	0	0	0	0	0	900	300	0	500	900	400	800	2,000	2,900	500	5,800	15,000
Averages																		
1999-2000	0	90	0	0	0	20	400	400	0	300	1,800	1,500	1,200	2,700	2,400	900	6,000	17,800
2001-05	40	70	0	30	0	0	700	300	0	500	1,800	700	600	2,800	2,100	700	5,000	15,500
2006-07	0	0	0	0	0	0	700	300	0	400	1,100	300	800	1,900	2,500	300	5,800	13,800

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: NSHO-NOPI-WODU-REDH Revision: 07/17/08 JDK

Estimates of Regular-Season Pintail Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	500	400	100	100	200	0	3,500	300	0	1,200	2,800	3,200	1,100	6,700	300	300	4,200	25,100
2000	400	200	100	0	0	0	2,100	500	0	1,500	1,000	4,000	1,400	4,900	1,900	100	1,900	20,000
2001	100	300	0	100	100	100	2,100	600	0	1,400	1,300	3,400	1,400	6,000	400	600	2,700	20,600
2002	500	300	100	100	100	0	4,200	800	0	600	2,400	1,600	1,100	3,500	500	200	1,500	17,200
2003*	400	100	100	0	100	0	2,600	200	0	600	2,000	3,200	1,300	4,400	1,400	500	1,100	18,100
2004*	200	400	0	0	0	0	1,900	500	0	500	1,600	1,200	900	1,700	300	0	900	10,300
2005*	400	100	0	200	100	0	2,200	400	0	900	1,600	1,400	500	3,900	200	0	5,500	17,300
2006*	100	200	100	100	200	0	3,000	200	0	500	1,900	1,500	500	7,600	1,100	200	3,000	20,300
2007*	300	200	100	100	0	0	2,600	2,000	0	900	1,200	1,000	800	4,100	1,800	0	3,900	19,100
Averages																		
1999-2000	500	300	100	50	100	0	2,800	400	0	1,400	1,900	3,600	1,300	5,800	1,100	200	3,100	22,600
2001-05	300	200	40	80	80	20	2,600	500	0	800	1,800	2,200	1,000	3,900	600	260	2,300	16,700
2006-07	200	200	100	100	100	0	2,800	1,100	0	700	1,600	1,300	700	5,900	1,500	100	3,500	19,700

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: NSHO-NOPI-WODU-REDH Revision: 07/17/08 JDK

Estimates of Regular-Season Wood Duck Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	6,500	2,700	2,900	2,600	4,700	900	25,700	36,300	1,400	5,900	5,900	17,400	15,400	98,500	49,800	98,000	16,900	391,500
2000	11,000	2,400	1,900	2,300	1,800	500	24,000	38,900	2,500	4,800	3,500	10,900	16,200	80,500	64,900	90,400	21,500	378,100
2001	7,700	2,500	4,200	3,000	4,800	300	27,500	73,200	1,100	5,000	5,200	18,400	21,300	84,600	62,300	62,800	16,000	400,000
2002	6,400	1,700	4,200	2,900	4,300	100	26,700	61,500	1,900	4,200	6,200	14,000	19,400	71,200	87,000	26,300	9,400	347,200
2003*	3,800	1,800	3,800	2,700	3,600	700	21,300	27,400	1,600	4,600	7,200	14,800	20,100	55,600	89,400	74,100	4,500	336,900
2004*	4,200	4,300	2,800	3,200	2,500	400	20,400	27,700	1,500	3,600	3,900	11,800	19,000	31,800	68,200	51,500	7,400	264,400
2005*	6,200	3,800	3,400	2,900	2,500	300	21,400	28,600	2,200	4,200	1,500	10,600	16,900	66,700	78,800	65,500	6,500	321,800
2006*	5,600	3,800	6,300	4,100	2,500	200	16,500	21,600	1,500	3,900	2,800	10,800	13,500	73,400	101,900	54,600	7,800	330,700
2007*	5,400	3,100	3,700	1,800	2,600	200	25,500	37,400	2,800	6,600	5,100	10,500	27,300	76,300	58,900	61,700	6,100	335,000
Averages																		
1999-2000	8,800	2,600	2,400	2,500	3,300	700	24,900	37,600	2,000	5,400	4,700	14,200	15,800	89,500	57,400	94,200	19,200	384,800
2001-05	5,700	2,800	3,700	2,900	3,500	360	23,500	43,700	1,700	4,300	4,800	13,900	19,300	62,000	77,100	56,000	8,800	334,100
2006-07	5,500	3,500	5,000	3,000	2,600	200	21,000	29,500	2,200	5,300	4,000	10,700	20,400	74,900	80,400	58,200	7,000	332,900

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: NSHO-NOPI-WODU-REDH Revision: 07/17/08 RVR

Estimates of Regular-Season Redhead Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	0	0	0	0	0	0	100	0	0	0	0	500	100	900	100	0	2,000	3,800
2000	0	0	0	0	0	0	2,500	0	0	0	0	1,100	900	1,300	600	100	900	7,500
2001	0	0	0	0	0	0	1,200	200	0	0	0	100	0	2,600	400	400	2,400	7,300
2002	0	0	0	0	100	0	900	0	0	200	100	200	200	500	0	0	100	2,300
2003*	0	0	0	0	0	0	400	400	0	0	0	600	1,200	1,600	900	200	400	5,600
2004*	0	0	0	0	0	0	900	200	0	200	0	900	1,000	1,200	300	0	500	5,200
2005*	0	0	0	0	0	0	1,800	900	0	200	100	400	500	900	200	1,800	2,600	9,300
2006*	0	0	0	0	0	0	700	100	0	0	100	0	0	800	0	0	300	2,000
2007*	0	0	0	0	0	0	3,200	300	0	0	0	400	200	2,500	0	0	700	7,200
Averages																		
1999-2000	0	0	0	0	0	0	1,300	0	0	0	0	800	500	1,100	400	50	1,500	5,700
2001-05	0	0	0	0	20	0	1,000	300	0	100	40	400	580	1,400	400	500	1,200	5,900
2006-07	0	0	0	0	0	0	2,000	200	0	0	50	200	100	1,700	0	0	500	4,600 #

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: NSHO-NOPI-WODU-REDH Revision: 07/17/08 JDK

Estimates of Regular-Season Canvasback Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	0	0	0	100	100	0	600	200	0	200	0	2,500	200	1,100	0	300	300	5,600
2000	0	0	0	100	300	100	1,600	100	0	400	0	8,200	2,400	1,800	400	600	600	16,500
2001	0	0	0	0	100	0	100	0	0	0	0	500	300	200	100	200	0	1,600
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003*	0	0	0	0	100	0	600	100	0	0	0	2,600	900	100	0	200	100	4,700
2004*	0	0	0	0	0	0	600	0	0	100	0	7,500	1,100	300	100	0	0	9,800
2005*	0	0	0	0	0	0	300	0	0	0	100	1,900	800	200	0	800	400	4,400
2006*	0	0	0	0	0	0	100	0	0	0	0	100	600	200	0	0	200	1,200
2007*	0	0	0	0	0	0	400	100	0	0	100	1,900	900	700	400	200	2,100	7,000
Averages																		
1999-2000	0	0	0	100	200	50	1,100	200	0	300	0	5,400	1,300	1,500	200	500	500	11,100
2001-05	0	0	0	0	40	0	300	20	0	20	20	2,500	600	200	40	200	100	4,100
2006-07	0	0	0	0	0	0	300	50	0	0	50	1,000	800	500	200	100	1,200	4,100

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: CANV-GRSC-LESC Revision: 07/18/06 RVR

Estimates of Regular-Season Greater Scaup Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	100	0	0	0	0	0	2,500	100	0	600	0	4,000	0	700	0	0	200	8,300
2000	100	0	0	0	100	500	2,300	100	0	800	0	6,100	500	1,200	700	100	300	12,800
2001	0	200	100	0	0	200	1,600	900	0	200	300	800	200	1,800	100	200	1,900	8,500
2002	100	0	0	200	0	600	6,600	1,800	0	700	100	3,100	1,300	1,600	700	200	500	17,600
2003*	0	0	0	100	700	400	6,300	800	0	3,600	0	3,700	500	1,000	0	200	100	17,300
2004*	0	100	0	0	300	100	2,400	2,800	0	6,200	100	2,300	1,100	700	100	0	600	16,800
2005*	0	200	0	0	200	100	2,900	2,100	0	2,100	100	6,100	700	3,400	200	0	200	18,200
2006*	200	100	0	0	0	0	3,800	500	0	800	0	1,900	1,500	1,100	0	400	300	10,500
2007*	0	100	0	100	0	400	4,200	1,600	0	1,300	100	3,100	500	700	400	0	700	13,200
Averages																		
1999-2000	100	0	0	0	50	250	2,400	100	0	700	0	5,100	300	1,000	350	50	300	10,600
2001-05	20	100	20	60	200	280	4,000	1,700	0	2,600	100	3,200	800	1,700	220	100	700	15,700
2006-07	100	100	0	50	0	200	4,000	1,100	0	1,100	50	2,500	1,000	900	200	200	500	11,900

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: CANV-GRSC-LESC Revision: 07/18/06 RVR

Estimates of Regular-Season Lesser Scaup Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	200	200	0	0	0	0	2,500	2,400	0	200	100	17,100	4,200	34,700	600	300	1,800	64,300
2000	100	0	0	0	0	100	1,500	400	0	200	200	10,300	2,900	7,400	700	2,600	6,100	32,300
2001	0	100	0	0	0	100	900	2,200	0	100	100	2,600	5,100	49,600	15,300	5,400	29,700	111,200
2002	100	200	100	300	0	200	3,700	3,500	0	500	400	18,700	5,100	31,400	6,000	3,700	11,600	85,500
2003*	0	100	0	0	100	100	4,300	4,500	0	800	0	10,400	5,000	22,500	2,800	2,300	8,100	60,900
2004*	0	100	0	0	0	100	2,000	3,100	0	1,000	300	14,800	3,400	20,000	2,800	400	7,000	54,900
2005*	0	400	0	0	100	100	2,300	2,700	0	1,300	600	9,800	6,400	27,900	2,000	1,000	9,300	63,700
2006*	200	300	100	100	0	100	3,400	700	0	600	500	9,800	5,400	16,300	1,100	1,200	6,900	46,600
2007*	200	200	0	100	0	100	4,000	2,900	0	500	100	10,900	3,200	6,000	2,900	3,200	12,100	46,600
Averages																		
1999-2000	200	100	0	0	0	50	2,000	1,400	0	200	200	13,700	3,600	21,000	700	1,500	4,000	48,300
2001-05	20	200	20	60	40	100	2,600	3,200	0	700	300	11,300	5,000	30,300	5,800	2,600	13,100	75,200
2006-07	200	250	50	100	0	100	3,700	1,800	0	600	300	10,400	4,300	11,200	2,000	2,200	9,500	46,600

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: CANV-GRSC-LESC Revision: 07/17/08 JDK

Estimates of Regular-Season Ring-necked Duck Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	800	600	0	200	0	0	3,900	2,100	0	1,900	400	600	8,600	14,600	10,700	24,400	78,800	147,500
2000	800	400	0	200	100	0	1,900	600	200	400	200	900	8,900	17,000	17,100	17,300	29,500	95,500
2001	600	200	100	100	200	0	2,700	2,300	0	300	100	1,200	4,400	8,800	13,500	9,400	45,500	89,500
2002	1,600	500	0	200	200	0	4,500	1,200	0	1,100	100	4,100	9,100	11,900	13,200	4,600	44,400	96,600
2003*	500	500	100	200	100	0	4,300	900	0	200	600	2,900	16,900	16,300	20,200	11,900	37,100	112,800
2004*	500	700	100	300	0	100	4,900	2,200	0	200	300	4,900	10,800	5,700	6,100	3,600	34,100	74,300
2005*	700	700	200	300	400	0	3,400	1,800	0	300	1,300	700	10,300	17,200	12,700	8,000	50,900	109,000
2006*	1,300	300	1,000	300	200	100	4,600	3,100	0	200	1,200	800	9,500	22,500	30,700	23,600	45,100	144,500
2007*	300	300	300	100	700	0	2,900	3,800	0	200	800	3,800	15,300	22,600	10,900	9,600	49,000	120,800
Averages																		
1999-2000	800	500	0	200	50	0	2,900	1,400	100	1,200	300	800	8,800	15,800	13,900	20,900	54,200	121,500
2001-05	800	500	100	200	180	20	400	1,700	0	400	500	2,800	10,300	12,000	13,100	7,500	42,400	96,400
2006-07	800	300	650	200	500	50	3,800	3,500	0	200	1,000	2,300	12,400	22,600	20,800	16,600	47,100	132,700

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: RNDU-COGO-BUFF Revision: 07/18/06 RVR

Estimates of Regular-Season Common Goldeneye Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	1,000	1,000	0	200	100	200	5,700	200	0	100	0	600	0	100	0	0	300	9,700
2000	1,100	200	200	200	100	100	6,300	700	0	900	0	1,200	400	0	0	0	100	11,500
2001	700	600	0	100	100	200	3,500	300	0	100	0	400	100	0	0	0	0	6,000
2002	400	2,200	200	100	300	300	6,000	900	0	300	100	1,000	400	0	0	0	0	12,200
2003*	400	900	200	200	700	300	9,700	400	0	200	0	100	200	0	0	200	0	13,400
2004*	1,700	1,400	100	500	300	400	5,600	1,200	0	200	100	1,000	400	200	0	0	0	13,000
2005*	3,800	1,900	100	100	400	100	8,500	800	0	0	0	2,100	900	0	0	0	100	18,800
2006*	2,000	600	0	100	100	0	6,200	1,500	0	100	0	1,000	1,000	0	0	0	0	12,500
2007*	1,600	300	100	200	700	200	7,800	2,500	0	100	200	900	0	100	0	0	0	14,700
Averages																		
1999-2000	1,100	600	100	200	100	200	6,000	500	0	500	0	900	200	50	0	0	200	10,600
2001-05	1,400	1,400	100	200	400	300	6,700	700	0	200	40	900	400	40	0	40	20	12,700
2006-07	1,800	500	50	200	400	100	7,000	2,000	0	100	100	1,000	500	50	0	0	0	13,600

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Estimates of Regular-Season Bufflehead Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	3,100	200	200	1,200	1,000	800	7,600	1,800	0	7,300	700	5,000	16,500	13,800	400	0	1,600	61,300
2000	3,600	400	100	2,200	1,500	700	6,400	2,200	0	6,000	1,400	10,100	6,500	5,800	800	400	300	48,300
2001	2,000	100	300	1,800	400	800	3,300	4,700	0	3,800	1,500	11,500	3,600	5,100	1,000	0	400	40,400
2002	1,400	300	200	700	500	400	11,100	6,400	0	9,800	2,000	9,100	6,500	9,800	1,100	800	600	60,800
2003*	800	200	100	800	500	1,100	13,400	3,000	0	8,400	700	10,200	7,700	5,200	1,600	500	100	54,600
2004*	1,800	100	0	2,100	200	300	8,100	5,200	0	6,500	900	8,700	12,200	3,700	600	500	1,200	52,300
2005*	1,600	200	200	1,200	500	400	9,100	2,100	0	8,800	900	9,000	8,100	10,000	2,000	1,300	800	55,900
2006*	800	300	100	1,300	900	200	7,600	4,700	0	8,200	900	14,300	10,500	7,900	1,600	1,200	500	60,900
2007*	1,700	100	200	1,000	1,800	800	13,500	9,700	100	10,800	2,400	17,500	5,900	9,200	1,300	3,000	500	79,300
Averages																		
1999-2000	3,400	300	200	1,700	1,300	8	7,000	2,000	0	6,700	1,100	7,600	11,500	9,800	600	200	100	54,800
2001-05	1,500	200	200	1,300	400	600	9,000	4,300	0	7,500	1,200	9,700	7,600	6,800	1,300	600	600	52,800
2006-07	1,300	200	200	1,200	1,400	500	10,600	7,200	50	9,500	1,700	15,900	8,200	8,600	1,500	2,100	500	70,100

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: RNDU-COGO-BUFF Revision: 07/17/08 JDK

Estimates of Regular-Season Common Merganser Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	700	200	100	200	0	0	1,400	2,900	0	400	0	300	0	0	0	0	0	6,300
2000	1,400	100	400	100	200	100	2,700	2,400	0	800	200	700	0	100	0	0	0	9,100
2001	700	200	100	100	200	0	800	1,600	0	0	0	100	0	0	0	0	0	3,900
2002	1,000	600	200	300	200	0	1,300	6,300	0	300	100	1,200	500	300	0	0	0	12,200
2003*	1,600	600	200	100	100	100	3,800	4,400	0	0	0	900	300	0	0	0	0	12,000
2004*	100	400	100	900	100	0	2,700	3,900	0	200	100	900	100	0	0	0	0	9,400
2005*	600	200	200	300	400	0	1,400	2,100	0	200	300	500	100	0	0	0	0	6,300
2006*	1,600	200	400	200	300	0	1,800	1,400	0	100	0	700	0	0	0	0	0	6,700
2007*	900	200	100	300	400	100	2,300	3,100	0	0	100	800	300	100	0	0	0	8,800
Averages																		
1999-2000	1,100	200	300	200	100	50	2,100	2,700	0	600	100	500	0	50	0	0	0	7,700
2001-05	800	400	200	300	200	20	2,000	3,700	0	100	100	720	200	60	0	0	0	8,800
2006-07	1,300	200	300	300	400	50	2,100	2,300	0	50	50	750	150	50	0	0	0	7,800

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: COME-RBME-HOME Revision: 07/18/06 RVR

Estimates of Regular-Season Red-breasted Merganser Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	1,200	0	400	600	600	0	1,600	0	0	1,500	400	0	1,700	400	0	0	300	8,800
2000	0	0	100	0	1,300	200	1,000	100	0	700	200	700	1,000	100	0	0	0	5,600
2001	100	0	100	300	600	1,100	1,400	300	0	900	600	100	400	0	100	200	100	6,400
2002	200	200	0	400	400	1,800	1,900	100	0	2,000	0	500	900	100	200	0	100	8,900
2003*	200	200	100	300	300	1,400	1,800	400	0	1,100	0	500	2,600	600	1,000	0	400	10,800
2004*	200	200	0	700	700	700	3,000	100	0	1,000	0	800	1,900	700	0	0	400	10,300
2005*	1,200	0	100	600	600	400	3,600	200	0	900	100	200	200	3,600	0	0	100	11,800
2006*	1,300	0	0	700	800	300	2,100	100	0	1,900	400	600	2,000	1,900	700	200	0	13,100
2007*	700	0	0	200	1,000	400	2,100	400	0	1,000	300	500	100	700	300	0	0	7,600
Averages																		
1999-2000	600	0	300	300	1,000	100	1,300	50	0	1,100	300	400	1,400	300	0	0	200	7,200
2001-05	400	120	60	500	500	1,100	2,300	200	0	1,200	100	400	1,200	1,000	300	40	200	9,600
2006-07	1,000	0	0	500	900	400	2,100	300	0	1,500	400	600	1,100	1,300	500	100	0	10,400

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Estimates of Regular-Season Hooded Merganser Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	1,600	100	100	100	300	100	2,000	3,100	100	2,300	800	1,400	3,800	6,300	1,400	2,900	2,900	29,300
2000	1,400	200	200	0	400	200	1,800	1,900	0	2,400	400	1,500	3,900	8,000	5,700	3,300	4,700	36,000
2001	1,700	100	600	300	200	300	700	4,700	0	2,100	100	800	3,300	2,900	5,400	2,700	2,300	28,100
2002	1,200	100	400	300	200	200	2,100	4,300	0	4,200	600	1,800	4,000	4,100	5,100	1,200	1,700	31,800
2003*	800	100	300	600	100	300	3,100	2,100	0	4,700	500	1,100	4,500	3,000	3,700	3,100	1,300	29,200
2004*	700	200	200	400	100	100	2,000	3,600	0	1,400	700	1,900	3,200	3,100	3,100	2,100	2,500	25,700
2005*	600	100	200	300	100	300	3,000	2,500	100	1,700	400	1,400	3,700	8,600	6,300	2,000	3,000	34,000
2006*	1,400	200	500	400	400	400	2,100	2,500	0	2,400	900	1,800	4,800	4,900	6,400	7,400	900	37,200
2007*	2,000	300	400	300	1,100	400	2,500	4,900	100	2,300	500	2,500	5,900	8,100	3,500	2,200	1,200	38,100
Averages																		
1999-2000	1,500	200	200	50	400	200	1,900	2,500	50	2,400	600	1,500	3,900	7,200	3,600	3,100	3,800	32,700
2001-05	1,000	100	300	400	400	200	2,200	3,400	20	2,800	500	1,400	3,700	4,300	4,700	2,000	2,100	29,800
2006-07	1,700	300	500	400	800	400	2,300	3,700	50	2,400	700	2,200	5,400	6,500	5,000	4,800	1,100	37,700

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: COME-RBME-HOME Revision: 07/17/08 JDK

Estimates of Regular-Season Long-tailed Duck Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	900	0	0	400	3,100	0	1,300	0	0	800	0	7,500	500	100	0	0	100	14,700
2000	2,000	100	0	200	2,700	0	1,900	100	0	1,100	600	2,600	1,500	100	0	0	0	12,900
2001	900	100	200	300	2,200	0	1,600	200	0	1,400	0	6,500	6,700	0	0	0	0	20,000
2002	1,500	0	0	0	2,400	0	4,300	300	0	0	0	5,900	500	0	0	0	0	14,900
2003*	2,600	100	100	100	4,300	0	3,200	100	0	1,400	0	2,100	3,400	0	300	0	0	17,600
2004*	1,800	0	0	500	4,700	0	6,200	100	0	2,000	0	1,500	3,900	0	0	0	0	20,900
2005*	700	300	0	300	400	0	4,600	100	0	1,300	0	5,200	1,600	200	200	0	0	15,000
2006*	1,800	0	0	500	100	0	5,500	0	0	600	0	8,500	1,000	200	0	0	0	18,200
2007*	1,000	0	0	100	800	0	10,600	300	0	3,200	700	8,300	1,000	400	0	0	0	26,500
Averages																		
1999-2000	1,500	50	0	300	2,900	0	1,600	50	0	1,000	300	5,100	1,000	100	0	0	50	13,800
2001-05	1,500	100	60	200	2,800	0	4,000	200	0	1,200	0	4,200	3,200	40	100	0	0	17,700
2006-07	1,400	0	0	300	500	0	8,100	200	0	1,900	400	8,400	1,000	300	0	0	0	22,400

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Estimates of Regular-Season Common Eider Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	11,400	0	400	4,300	0	1,500	0	0	0	0	0	0	0	0	0	0	0	17,500
2000	26,900	0	300	4,300	0	0	0	0	0	0	0	0	0	0	0	0	0	31,500
2001	10,900	0	400	6,100	0	1,400	0	0	0	0	0	0	0	0	0	0	0	18,800
2002	11,300	0	1,300	2,300	0	700	200	0	0	0	0	0	0	0	0	0	0	15,800
2003*	28,700	0	600	3,100	0	1,100	600	0	0	200	0	0	0	0	0	0	0	34,400
2004*	14,700	0	200	5,700	0	800	0	0	0	0	0	200	0	0	0	0	0	21,600
2005*	10,800	0	200	8,300	0	3,100	500	0	0	0	0	0	0	0	0	0	0	22,800
2006*	18,100	0	0	5,400	0	1,600	400	0	0	0	0	0	0	0	0	0	0	25,500
2007*	13,100	0	500	3,400	100	1,300	0	0	0	0	200	0	0	0	0	0	0	18,500
Averages																		
1999-2000	19,200	0	400	4,300	0	800	0	0	0	0	0	0	0	0	0	0	0	24,500
2001-05	15,300	0	500	5,100	0	1,400	300	0	0	40	0	40	0	0	0	0	0	22,700
2006-07	15,600	0	300	4,400	50	1,400	200	0	0	0	100	0	0	0	0	0	0	22,000

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Estimates of Regular-Season Black Scoter Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	900	0	100	0	0	0	1,000	100	0	800	0	2,900	0	800	0	0	100	6,800
2000	400	0	200	500	0	600	400	0	0	1,100	0	900	400	100	0	0	0	4,700
2001	1,200	0	400	200	0	100	0	200	0	0	0	1,000	0	500	0	0	0	3,700
2002	1,200	0	400	300	0	200	1,800	300	0	2,600	0	500	1,100	300	0	0	0	8,500
2003*	7,400	0	800	600	0	800	900	200	0	700	0	2,400	700	2,900	400	0	0	17,800
2004*	1,500	0	0	900	0	400	300	200	0	600	0	5,300	400	1,800	0	0	0	11,400
2005*	1,200	100	100	1,100	200	600	600	0	0	1,400	0	6,500	800	3,400	800	0	0	16,900
2006*	400	0	600	800	100	600	200	0	0	300	0	3,600	0	1,900	0	0	0	8,500
2007*	500	0	0	400	0	500	0	100	0	300	400	0	0	4,500	400	200	0	7,500
Averages																		
1999-2000	700	0	200	300	0	300	700	50	0	100	0	1,900	200	500	0	0	50	5,800
2001-05	2,500	20	300	600	40	400	700	200	0	1,100	0	3,100	600	1,800	200	0	0	11,700
2006-07	500	0	300	600	50	600	100	50	0	300	200	1,800	0	3,200	200	100	0	8,000

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: LTDU-COEI-BLSC Revision: 07/17/08 JDK

Estimates of Regular-Season White-winged Scoter Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	600	0	100	300	0	0	500	0	0	0	0	0	500	0	0	0	0	2,000
2000	1,800	0	500	1,900	0	0	200	0	0	0	0	200	0	0	0	0	0	4,600
2001	1,200	0	400	600	0	500	3,200	600	0	0	0	1,000	0	0	0	0	0	7,700
2002	500	0	200	1,100	0	0	1,200	100	0	0	1,300	1,300	500	0	0	0	0	6,300
2003*	1,400	100	600	1,700	0	300	1,400	0	0	0	0	300	1,000	100	0	0	0	6,800
2004*	1,100	0	0	1,500	0	400	2,800	0	0	0	0	200	0	100	0	0	0	6,100
2005*	400	100	200	1,000	0	500	1,100	0	0	100	0	500	0	200	0	0	0	4,200
2006*	1,500	100	0	1,600	0	400	2,000	0	0	400	200	2,300	300	0	0	0	0	8,700
2007*	500	0	0	900	100	0	2,100	300	0	100	0	200	0	100	0	0	0	4,300
Averages																		
1999-2000	1,200	0	300	1,100	0	0	400	0	0	0	0	100	300	0	0	0	0	3,300
2001-05	900	40	300	1,200	0	300	1,900	100	0	20	300	700	300	80	0	0	0	6,200
2006-07	1,000	50	0	1,300	50	200	2,100	200	0	300	100	1,300	200	50	0	0	0	6,500

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Estimates of Regular-Season Surf Scoter Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	1,900	0	100	300	0	0	500	0	0	800	0	1,600	2,600	700	0	0	100	8,600
2000	3,000	0	300	300	0	600	200	0	0	400	0	6,100	1,900	0	0	0	0	12,800
2001	1,000	0	0	200	0	200	3,100	200	0	1,100	0	8,500	0	900	0	0	0	15,000
2002	1,800	0	0	200	100	100	600	0	0	0	0	5,400	6,000	300	0	0	100	14,500
2003*	5,900	100	400	1,500	100	100	1,500	0	0	900	600	14,000	6,700	6,400	100	0	0	38,500
2004*	1,700	0	0	1,000	1,800	100	1,800	700	0	300	900	13,300	7,000	2,200	0	0	0	30,800
2005*	500	100	200	1,100	1,100	500	1,400	100	0	1,000	900	8,200	5,300	700	0	0	0	21,100
2006*	300	0	400	1,000	200	200	1,100	0	0	300	800	13,100	9,800	1,900	0	0	0	29,100
2007*	700	0	500	1,000	100	300	2,100	0	0	200	1,400	9,400	8,500	4,600	0	200	0	29,000
Averages																		
1999-2000	2,500	0	200	300	0	300	400	0	0	600	0	3,900	2,300	400	0	0	50	10,700
2001-05	2,200	40	100	800	600	200	1,700	200	0	700	500	10,000	5,000	2,100	20	0	20	24,000
2006-07	500	0	500	1,000	200	300	1,600	0	0	300	1,100	11,300	9,200	3,300	0	100	0	29,100

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: WWSC-SUSC-RUDU Revision: 07/18/06 RVR

Estimates of Regular-Season Ruddy Duck Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	0	0	0	0	500	0	500	2,700	0	4,600	100	1,000	1,600	11,400	0	800	5,900	29,200
2000	0	0	0	0	100	0	100	500	0	700	300	300	300	2,100	100	600	5,900	11,000
2001	0	100	0	0	0	0	200	500	0	400	100	1,200	0	2,900	0	800	1,100	7,200
2002	0	0	0	0	0	0	100	1,200	0	500	0	2,200	700	900	100	300	1,200	7,300
2003*	0	0	0	0	0	0	100	300	0	300	100	700	200	500	0	0	400	2,500
2004*	100	0	0	0	0	0	100	1,000	0	200	300	600	1,000	1,000	0	0	100	4,300
2005*	0	200	0	0	0	0	400	800	0	300	300	800	300	6,600	200	500	1,300	11,700
2006*	100	0	0	0	0	0	100	200	0	300	100	1,000	800	1,700	0	2,200	500	7,000
2007*	100	0	0	100	0	100	400	1,600	0	200	100	1,400	700	2,400	0	1,200	500	8,700
Averages																		
1999-2000	0	0	0	0	300	0	300	1,600	0	2,700	200	700	1,000	6,800	50	700	5,900	20,100
2001-05	20	60	0	0	0	0	200	800	0	300	200	1,100	400	2,400	60	300	800	6,600
2006-07	100	0	0	50	0	50	300	900	0	300	100	1,200	800	2,100	0	1,700	500	7,900

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: WWSC-SUSC-RUDU Revision: 07/17/08 JDK

Estimates of harvest of selected duck species during the September Duck Season in Florida, based on the Mail Questionnaire Survey (1981-2001) and the Harvest Information Program (1999-2007).

Year	Mottled duck	Green-winged teal	Blue-winged/ cinnamon teal	Wood duck	Ring-necked duck
Mail Questionnaire Survey					
1981	3,000	300	5,700	4,900	500
1982	0	0	0	0	0
1983	2,200	0	11,600	8,200	100
1984	5,900	300	14,100	12,500	300
1985	2,100	300	12,900	5,100	100
1986	2,600	100	7,700	8,200	100
1987	3,700	200	7,800	9,100	400
1988	0	0	0	4,000	0
1989	0	0	0	1,700	0
1990	0	0	0	4,200	0
1991	0	0	0	8,500	0
1992	0	100	3,000	3,100	0
1993	0	0	3,400	11,800	0
1994	0	0	4,200	2,200	0
1995	0	100	7,800	7,600	100
1996	0	200	14,700	7,500	0
1997	0	400	19,700	11,200	100
1998	0	200	8,000	10,300	0
1999	0	100	9,400	7,700	0
2000	0	0	10,200	4,500	0
2001	0	0	7,800	3,200	500
Harvest Information Program					
1999	0	100	9,600	7,100	0
2000	0	0	13,600	4,700	0
2001	0	0	8,000	3,200	400
2002	0	0	9,200	3,600	0
2003*	0	0	5,100	1,100	0
2004*	0	0	2,600	1,100	0
2005*	100	0	7,900	1,700	0
2006*	0	0	7,800	1,700	0
2007* .		0	8,200	2,300	0
Averages					
Mail Questionnaire Survey					
81-85	2,640	180	8,860	6,140	200
86-90	1,260	60	3,100	5,440	100
91-95	0	40	3,680	6,640	20
95-2000	0	167	11,633	8,133	33
Harvest Information Program					
1999-2000	0	50	11,600	5,900	0
2001-05	20	0	6,560	2,140	80
2006-07	0	0	8,000	2,000	0

* Preliminary estimates

C:\Data Book\Atlantic\Harvest Estimates\September duck seasons.xls

Sheet: Florida

Revision: 07/17/08 JDK

Estimates of Canada Goose Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	3,300	3,300	4,500	11,900	20,300	3,300	80,400	151,600	5,500	18,600	5,000	27,800	34,700	29,100	10,000	12,500	1,000	422,900
2000	10,500	3,700	5,200	11,300	20,100	3,200	89,600	111,200	3,700	25,600	2,800	29,900	47,300	29,500	11,100	12,200	0	416,800
2001	5,200	4,400	3,800	11,800	18,100	3,700	91,500	219,700	4,900	22,600	10,900	152,400	53,900	46,000	16,000	26,100	1,200	692,100
2002	10,600	6,400	6,300	12,800	21,400	3,600	108,700	214,000	5,100	29,900	21,100	115,300	67,800	38,300	27,600	21,100	200	710,000
2003*	9,600	3,600	5,300	12,900	18,700	5,000	96,800	188,200	4,200	26,000	11,700	131,400	62,600	41,900	14,800	25,300	0	657,900
2004*	7,000	7,100	3,200	15,200	20,400	4,400	109,300	167,600	7,400	24,600	14,000	142,000	55,000	18,000	17,000	21,200	0	633,300
2005*	7,800	9,300	5,300	12,600	20,900	3,100	120,000	180,900	3,900	24,200	19,000	170,000	61,400	73,200	27,600	35,100	0	774,500
2006*	9,800	7,800	6,700	13,100	14,000	5,300	113,900	160,600	2,500	27,500	12,800	152,700	47,800	43,300	27,100	14,900	2,800	662,400
2007*	9,100	6,300	6,500	11,000	18,600	5,100	138,100	276,000	6,700	34,600	22,000	161,900	63,300	54,400	24,800	22,400	0	860,700
Averages																		
1999-2000	6,900	3,500	4,850	11,600	20,200	3,250	85,000	131,400	4,600	22,100	3,900	28,850	41,000	29,300	10,550	12,350	500	419,850
2001-05	8,040	6,160	4,780	13,060	19,900	3,960	105,260	194,080	5,100	25,460	15,340	142,220	60,140	43,480	20,600	25,760	280	693,560
2006-07	9,450	7,050	6,600	12,050	16,300	5,200	126,000	218,300	4,600	31,050	17,400	157,300	55,550	48,850	25,950	18,650	1,400	761,550

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\Geese.xls Sheet: CAGO-SGRG-ATBR Revision: 07/17/08 JDK

Estimates of Snow/Ross' Goose Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	0	1,400	0	0	100	0	1,600	4,700	0	5,000	26,100	8,900	1,700	4,900	0	0	300	54,700
2000	600	4,400	0	0	0	0	1,400	10,500	0	8,600	34,400	10,700	1,000	400	0	300	0	72,300
2001	0	2,200	100	0	0	0	4,900	5,900	0	6,700	20,400	35,200	1,400	400	0	0	0	77,100
2002	0	1,200	0	0	0	0	3,100	1,900	0	5,400	14,800	11,800	1,000	300	0	0	0	39,400
2003*	500	3,400	0	0	0	0	3,900	5,700	0	4,400	12,200	5,300	100	600	0	0	0	36,100
2004*	0	1,700	0	0	0	0	4,500	3,600	0	2,900	12,400	5,400	800	0	200	0	0	31,500
2005*	100	400	0	0	0	0	8,800	8,300	0	3,700	6,500	5,800	100	2,400	0	0	0	36,100
2006*	0	100	0	0	0	0	7,100	11,400	0	5,000	7,000	1,800	1,000	0	0	0	0	33,300
2007*	0	500	0	0	0	0	10,100	12,000	0	6,900	8,100	10,800	1,000	1,300	0	0	1,500	52,200
Averages																		
1999-2000	300	2,900	0	0	50	0	1,500	7,600	0	6,800	30,250	9,800	1,350	2,650	0	150	150	63,500
2001-05	120	1,780	20	0	0	0	5,040	5,080	0	4,620	13,260	12,700	680	740	40	0	0	44,040
2006-07	0	300	0	0	0	0	8,600	11,700	0	5,950	7,550	6,300	1,000	650	0	0	750	42,750

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\Geese.xls Sheet: CAGO-SGRG-ATBR Revision: 07/17/08 JDK

Estimates of Atlantic Brant Harvest in the Atlantic Flyway (Based on the Harvest Information Program)

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	0	0	0	100	0	300	2,900	0	0	6,700	1,500	200	1,700	4,900	0	0	0	18,300
2000	0	0	0	800	300	300	6,600	0	0	5,800	1,700	100	7,700	1,600	0	0	0	24,900
2001	0	200	0	900	300	600	6,600	100	0	6,800	300	800	3,500	4,700	0	0	0	24,900
2002	0	0	0	700	800	600	7,200	100	0	9,800	1,600	700	5,900	6,000	0	0	0	33,400
2003*	0	200	0	1,600	2,500	1,200	10,400	100	0	9,900	1,500	1,700	9,200	6,500	0	0	0	44,900
2004*	0	0	100	300	1,000	300	5,800	800	0	5,000	600	800	2,800	0	0	0	0	17,600
2005*	0	0	0	500	700	700	4,700	0	0	8,300	1,500	1,700	6,100	6,200	0	0	0	30,400
2006*	0	0	0	400	0	400	3,400	0	0	5,200	800	2,300	2,400	3,600	0	0	0	18,500
2007*	0	0	0	700	200	1,200	4,800	0	0	7,600	900	1,000	1,700	4,200	0	0	0	22,300
Averages																		
1999-2000	0	0	0	450	150	300	4,750	0	0	6,250	1,600	150	4,700	3,250	0	0	0	21,600
2001-05	0	80	20	800	1,060	680	6,940	220	0	7,960	1,100	1,140	5,500	4,680	0	0	0	30,240
2006-07	0	0	0	550	100	800	4,100	0	0	6,400	850	1,650	2,050	3,900	0	0	0	20,400

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Geese.xls Sheet: CAGO-SGRG-ATBR Revision: 07/17/08 JDK

Estimated harvest of Canada geese in the Atlantic Flyway during early September, regular, and special late seasons (State totals include unknown

Season	Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
September	1999	1,300	2,200	1,300	4,700	6,100	1,200	59,300	94,900	3,900	10,500	4,700	18,300	11,400	20,100	0	NS[a]	NS[a]	239,900
	2000	5,200	2,900	1,700	2,800	4,400	500	63,100	67,500	1,600	18,200	2,600	14,200	10,800	20,500	0	NS[a]	NS[a]	216,000
	2001	2,100	3,100	1,400	2,300	4,800	1,300	49,300	111,900	2,000	10,000	4,300	27,100	14,100	30,300	5,800	NS[a]	NS[a]	269,800
	2002	3,000	3,700	1,500	2,800	4,000	1,000	48,200	92,500	2,000	11,800	6,200	14,800	13,600	20,100	4,800	6,600	0	236,600
	2003*	3,300	1,500	1,400	3,800	4,200	800	32,100	69,400	1,100	7,600	2,900	11,600	14,800	19,300	1,000	6,400	NS[a]	181,200
	2004*	2,500	3,900	500	4,100	5,300	700	35,800	65,900	2,300	9,800	3,300	18,600	17,000	11,100	3,100	6,600	0	190,500
	2005*	2,400	4,700	1,700	4,300	6,600	200	42,500	71,200	2,000	4,000	2,000	10,400	10,100	26,400	6,900	12,200	0	207,600
	2006*	2,100	3,400	2,400	3,800	5,900	400	52,300	67,600	1,100	7,500	1,100	12,700	11,100	23,600	6,800	2,700	0	204,300
	2007*	3,400	2,900	2,400	2,600	3,700	200	56,900	93,700	2,800	2,800	2,100	10,500	13,600	22,200	13,600	5,100	0	238,500
Regular	1999	2,100	1,100	3,200	5,500	10,100	1,700	19,900	38,500	1,600	2,900	300	9,500	9,000	9,000	10,000	12,500	1,000	137,900
	2000	5,300	800	3,500	5,300	10,000	2,000	25,600	27,500	2,100	3,900	200	15,700	16,100	9,000	11,100	12,200	0	150,300
	2001	3,100	1,300	2,400	6,500	13,100	2,000	41,500	75,100	2,900	10,000	6,600	112,800	22,400	15,700	10,200	26,100	1,200	352,900
	2002	7,600	2,700	4,800	8,700	16,000	2,400	60,500	102,000	3,100	16,200	14,900	100,500	38,200	18,200	22,800	14,500	0	433,100
	2003*	6,300	2,200	3,800	5,200	14,000	3,400	64,700	93,700	3,100	16,300	8,800	119,800	30,800	22,600	13,800	18,900	3,800	431,200
	2004*	4,500	3,200	2,700	7,100	14,300	3,500	73,500	80,300	5,100	12,800	10,700	123,400	23,900	17,000	13,900	14,600	300	410,800
	2005*	5,400	4,600	3,600	4,400	13,700	2,800	77,500	78,400	1,900	19,200	17,000	159,600	42,100	46,800	20,700	22,900	0	520,600
	2006*	7,700	4,400	4,300	6,200	7,400	4,500	61,500	76,200	1,400	19,400	11,700	140,000	21,000	19,700	20,300	12,200	2,800	420,800
	2007*	5,700	3,400	4,100	6,100	13,400	4,800	81,200	180,800	3,800	27,900	19,900	151,500	37,800	32,200	11,200	17,300	0	602,600
Late	1999	NS[a]	NS[a]	NS[a]	1,700	4,100	400	1,200	18,200	NS[a]	5,200	NS[a]	NS[a]	14,300	NS[a]	NS[a]	NS[a]	NS[a]	45,100
	2000	NS[a]	NS[a]	NS[a]	3,200	5,700	700	900	16,200	NS[a]	3,500	NS[a]	NS[a]	20,400	NS[a]	NS[a]	NS[a]	NS[a]	50,600
	2001	NS[a]	NS[a]	NS[a]	3,000	200	400	700	32,700	NS[a]	2,600	NS[a]	12,500	17,400	NS[a]	NS[a]	NS[a]	NS[a]	69,500
	2002	NS[a]	NS[a]	NS[a]	1,300	1,400	200	0	19,500	NS[a]	1,900	NS[a]	---	16,000	NS[a]	NS[a]	NS[a]	NS[a]	40,300
	2003*	NS[a]	NS[a]	NS[a]	3,900	500	800	0	25,200	NS[a]	2,000	NS[a]	NS[a]	17,000	NS[a]	NS[a]	NS[a]	NS[a]	49,400
	2004*	NS[a]	NS[a]	NS[a]	4,000	800	200	0	21,400	NS[a]	2,000	0	0	14,100	NS[a]	NS[a]	NS[a]	NS[a]	42,500
	2005*	NS[a]	NS[a]	NS[a]	3,900	600	100	0	31,300	NS[a]	1,000	0	0	9,200	NS[a]	NS[a]	NS[a]	NS[a]	46,100
	2006*	NS[a]	NS[a]	NS[a]	3,100	700	400	0	16,800	0	600	0	0	15,700	NS[a]	NS[a]	NS[a]	NS[a]	37,300
	2007*	---	---	---	2,300	1,400	100	---	1,500	---	3,900	---	---	11,800	---	---	---	---	19,600
Total	1999	3,400	3,300	4,500	11,900	20,300	3,300	80,400	151,600	5,500	18,600	5,000	27,800	34,700	29,100	10,000	12,500	1,000	422,900
	2000	10,500	3,700	5,200	11,300	20,100	3,200	89,600	111,200	3,700	25,600	2,800	29,900	47,300	29,500	11,100	12,200	0	416,900
	2001	5,200	4,400	3,800	11,800	18,100	3,700	91,500	219,700	4,900	22,600	10,900	152,400	53,900	46,000	16,000	26,100	1,200	692,200
	2002	10,600	6,400	6,300	12,800	21,400	3,600	108,700	214,000	5,100	29,900	21,100	115,300	67,800	38,300	27,600	21,100	0	710,000
	2003*	9,600	3,600	5,300	12,900	18,700	5,000	96,800	188,200	4,200	26,000	11,700	131,400	62,600	41,900	14,800	25,300	3,800	661,800
	2004*	7,000	7,100	3,200	15,200	20,400	4,400	109,300	167,600	7,400	24,600	14,000	142,000	55,000	28,100	17,000	21,200	300	643,800
	2005*	7,800	9,300	5,300	12,600	20,900	3,100	120,000	180,900	3,900	24,200	19,000	170,000	61,400	28,100	27,600	35,100	0	774,300
	2006*	9,800	7,800	6,700	13,100	14,000	5,300	113,900	160,600	2,500	27,500	12,800	152,700	47,800	43,300	27,100	14,900	2,800	662,500
	2007*	9,100	6,300	6,500	11,000	18,600	5,100	138,100	276,000	6,700	34,600	22,000	161,900	63,300	54,400	24,800	22,400	0	860,700

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Geese.xls Sheet: CAGO by season Revision: 7/17/2008 JDK

[a] No season

September resident Canada goose hunting seasons and daily bag limits (in parentheses) in the Atlantic Flyway. Dates indicated are for all or portions of each state.

Season	ME	VT	NH	MA	CT	RI	NY	PA	NJ	WV	DE	MD	VA	NC	SC	GA	FL	No. of States
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	9/1-9 (2)	-	-	-	1
1990	-	-	-	9/4-10 (5)	-	-	9/1-10 (3)	-	-	-	-	-	-	9/4-10 (2)	-	-	-	3
1991	-	-	-	9/3-10 (5)	-	-	9/1-10 (3)	-	-	-	-	-	-		-	-	-	3
1992	-	-	-	9/8-10 (5)	-	-	9/1-10 (3)	9/1-10 (3/5)	-	-	-	-	-	9/8-10 (2)	-	-	-	4
1993	-	-	-	9/7-15 (5)	-	-	9/7-15 (3)	9/1-15 (3/5)	9/8-15 (5)	-	-	9/7-15 (3)	-	9/16-30 (3)	-	-	-	6
1994	-	-	-	9/6-15 (5)	-	-	9/6-15 (3)	9/1-10 (3) 9/1-15 (5)	9/7-15 (5)	9/1-15 (3)	-	9/6-15 (3)	9/6-15 (5)	9/16-30 (3)	-	-	-	8
1995	-	-	-	9/5-15 (5)	-	9/6-15 (5)	9/5-15 (5)	9/1-15 (3)	9/6-15 (5)	9/1-9 (3)	9/1-15 (5)	9/5-15 (3)	9/5-15 (5)	9/6-20 (3) 9/16-30 (3)	-	-	-	10
1996	9/9-25 (5)	-	9/3-25 (5)	9/3-25 (3/5)	9/3-25 (5)	9/11-25 (5)	9/1-25* (5) 9/3-25 (5)	9/2-25 (3)	9/3-30 (5)	9/2-11 (3)	9/2-14 (5)	9/3-14 (5) 9/3-25 (5)	9/3-21 (5)	9/3-20 (3) 9/3-30 (3)	9/14-28 (5)	-	-	14
1997	9/8-25 (5)	-	9/2-25 (5)	9/2-25 (3/5)	9/2-25 (5)	9/11-25 (5)	9/1-25* (5) 9/2-30 (5)	9/1-25 (3/5)	9/2-30 (5)	9/4-13 (3)	9/1-15 (5)	9/2-15 (5) 9/2-25 (5)	9/2-25 (5)	9/2-20 (3) 9/2-30 (3)	9/13-27 (4)	-	-	14
1998	9/8-25 (3)	9/8-15 (2/5)	9/8-25 (3)	9/8-25 (3/5)	9/1-4 & 9/8-25 (5)	9/11-25 (5)	9/1-25* (5) 9/1-30 (5) 9/8-15 (2)	9/1-25 (3/5)	9/1-30 (5)	9/1-12 (3)	9/1-15 (5)	9/1-15 (5) 9/1-25 (5)	9/1-4 & 9/8-25 (5)	9/1-20 (3) 9/8-30 (3)	9/12-26 (4)	-	-	15
1999	9/7-25 (3)	9/7-15 (2/5)	9/7-25 (3)	9/7-25 (3/5)	9/1-3 & 9/7-25 (5)	9/11-25 (5)	9/1-25* (5) 9/7-30 (5) 9/7-15 (2)	9/1-25 (3/5)	9/1-30 (5)	9/1-15 (3)	9/1-15 (5)	9/1-15 (5) 9/1-25 (5)	9/1-3 & 9/7-25 (5)	9/1-20 (3) 9/7-30 (3)	9/11-25 (4)	-	-	15
2000	9/5-25 (3)	9/5-15 (2/5)	9/5-25 (3)	9/5-25 (3/5)	9/1&5-25 (5) 9/18-25 (5)	9/11-25 (5)	9/1-25* (5) 9/5-30 (5) 9/5-15 (2)	9/1-25 (3/5)	9/1-30 (5)	9/1-16 (3)	9/1-15 (5)	9/1-15 (5) 9/1-25 (5)	9/1-25 (5)	9/1-20 (3) 9/5-30 (3)	9/16-30 (5)	-	-	15
2001	9/4-25 (3)	9/4-25 (2/5)	9/4-25 (3)	9/4-25 (5)	9/4-25 (5) 9/17-25 (5)	9/1-30 (5)	9/4-25 (2) 9/1-25 (5) 9/4-30 (5)	9/1-25 (5)	9/1-29 (5)	9/1-9/16 (5)	9/1-15 (5)	9/1-15 (5) 9/1-25 (5)	9/1-25 (5)	9/1-20 (3) 9/4-29 (3)	9/15-30 (5)	-	-	15
2002	9/3-25 (3)	9/3-25 (3)	9/3-25 (3)	9/3-25 (5)	9/3-30 (5) 9/17-30 (5)	9/1-30 (5)	9/3-25 (3) 9/1-25 (5) 9/3-30 (5)	9/2-25 (5)	9/2-30 (5)	9/2-14 (5)	9/2-14 (5)	9/2-14 (5) 9/2-25 (5)	9/2-25 (5)	9/2-20 (5) 9/3-30 (5)	9/13-28 (5)	9/21-29 (5)	9/21-25 (5)	17
2003	9/2-9/25 (3)	9/2-9/25 (3)	9/2-9/25 (3)	9/2-9/25 (5)	9/2-9/30(8) 9/17-9/30 (8)	9/1-9/30 (8)	9/2-25 (3) 9/1-25 (8) 9/2-30 (8)	9/1-9/25 (8) 9/1-9/25 (8)	9/1-9/30 (8)	9/1-9/13 (5)	9/1-9/15 (8)	9/1-9/15 (5) 9/1-9/25 (5)	9/1-9/25 (5)	9/1-9/30 (5)	9/12-9/27 (8)	9/20-9/28 (5)	9/20-9/24 (5)	17
2004	9/7-9/25 (4)	9/7-9/25(3) 9/7-9/25(5)	9/7-9/25 (5)	9/7-9/25 (5)	9/1-9/3 & 9/7-9/30(8) 9/16-9/30 (8)	9/1-9/30 (8)	9/7-9/25(3) 9/1-9/25(8) 9/7-9/30(8)	9/1-9/25 (8)	9/1-9/30 (8)	9/1-9/18 (5)	9/1-9/15 (8)	9/1-9/15 (8) 9/1-9/25 (8)	9/1-9/25 (5)	9/1-9/30 (5)	9/10-9/25 (8)	9/4-9/26 (5)	9/1-9/29 (5)	17
2005	9/6-9/24 (4)	9/6-9/25 (5)	9/6-9/25 (5)	9/6-9/25 (5)	9/1-9/2 & 9/6-9/30 (8) 9/15-9/30 (8)	9/1-9/30 (8)	9/6-9/25(5) 9/1-9/25(8) 9/6-9/30 (8)	9/1-9/24 (8)	9/1-9/30 (8)	9/1-9/17 (5)	9/1-9/15 (8)	9/1-9/15 (8) 9/1-9/24 (8)	9/1-9/24 (5)	9/1-9/30 (5)	9/9-9/24 (8)	9/3-9/25 (5)	9/3-9/28 (5)	17
2006	9/5-9/25 (4)	9/5-9/25 (5)	9/6-9/25 (5)	9/5-9/25 (5)	9/1-9/30 (15) 9/15-9/30 (15)	9/1-9/30 (8)	9/5-9/25(5) 9/1-9/25(8) 9/5-9/30 (8)	9/1-9/25 (8)	9/1-9/30 (15)	9/1-9/16 (5)	9/1-9/15 (15)	9/1-9/15 (8) 9/1-9/25 (8)	9/1-9/25 (5)	9/1-9/30 (8) 9/1-9/30(2)	9/1-9/30 (15)	9/2-9/24 (5)	9/2-9/27 (5)	17
2007	9/4-9/25 (6) 9/4-9/25 (8)	9/4-9/25 (5)	9/4-9/25 (5)	9/4-9/25 (5)	9/4-9/29 (15) 9/15-9/29 (15)	9/1-9/30 (15)	9/4-9/25 (5) 9/1-9/25 (8) 9/4-9/30 (8)	9/1-9/25 (8)	9/1-9/29 (15)	9/1-9/15 (5)	9/1-9/15 (15)	9/1-9/15 (8) 9/1-9/25) (8)	9/1-9/25 (5)	9/1-9/30 (8)	9/1-9/30 (15)	9/1-9/30 (5)	9/1-9/26 (5)	17

C:\Data book\Atlantic\AF CAGO seasons.xls Sheet: September

Compiled B. L. Swift 01/02/01
Revision R. Raftovich 04/16/07

Special, late winter, and regular season resident Canada goose hunting seasons and daily bag limits (in parentheses) for in the Atlantic Flyway. Dates indicated are for all or portions of each state.

Season	ME	VT	NH	MA	CT	RI	NY	PA	NJ	WV	DE	MD	VA	NC	SC	GA	FL	No. of States
1986	-	-	-	-	1/16-2/5 (5)	-	-	-	-	-	-	-	-	-	-	-	-	1
1987	-	-	-	1/21-2/5 (5)	1/16-2/5 (5)	-	-	-	-	-	-	-	-	-	-	-	-	2
1988	-	-	-	1/21-2/5 (5)	1/16-2/5 (5)	-	-	-	-	-	-	-	-	-	-	-	-	2
1989	-	-	-	1/21-2/5 (5)	1/15-2/5 (5)	-	-	-	-	-	-	-	-	-	-	1/13-20 (1)	-	3
1990	-	-	-	1/21-2/5 (5)	1/15-2/5 (5)	-	-	-	-	-	-	-	-	-	-	1/10-13 & 1/17-20 (1)	-	3
1991	-	-	-	1/21-2/5 (5)	1/15-2/5 (5)	-	-	-	-	-	-	-	-	-	1/29-2/1 (1)	1/9-12 & 1/16-19 (1)	-	4
1992	-	-	-	1/21-2/5 (5)	1/15-2/15 (5)	-	-	1/20-2/5 (5)	-	-	-	-	-	-	1/21-23 (1)		-	4
1993	-	-	-	1/21-2/5 (5)	1/15-2/15 (5)	-	2/1-14 (5)	1/20-2/5 (5)	-	-	-	-	-	-	1/21-22 & 1/26-29 (2)		-	5
1994	-	-	-	1/21-2/4 (5)	1/15-2/15 (5)	-	-	1/20-2/4 (5)	1/28-2/11 (5)	10/1-8 & 11/14-1/14 (3) 10/1-11/12 & 12/19-1/14 (3)	-	-	-	-	12/7-10 & 1/25-28 (2)	1/5-8 & 1/19-22 (2)	-	7
1995	-	-	-	1/22-2/5 (5)	1/15-2/15 (5)	-	1/21-2/15 (5)	1/20-2/5 (5)	1/27-2/10 (5)	10/2-14 & 11/25-1/20 (3) 10/2-11/11 & 12/23-1/20 (3)	-	-	-	-	12/27-30 & 1/17-24 (5?)	1/17-31 (2?)	-	8
1996	-	-	-	1/15-2/5 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	10/1-12 & 11/22-1/18 (3) 10/1-11/2 & 12/13-1/18 (3)	-	1/15-2/15 (3)	1/15-2/8 (3)	-	11/27-30 & 12/21-1/4 & 1/18-24 & 1/26-2/1 (5?)	11/27-12/1 & 1/11-31 (2?)	-	11
1997	-	-	-	1/15-2/5 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/14 (5)	1/15-2/14 (5)	10/1-18 & 11/17-1/17 (3) 10/1-11/1 & 12/1-1/17 (3)	-	1/15-2/14 (3)	1/15-2/7 (3)	10/1-11/15 (2)	11/19-29 & 12/8-1/24 (4)	11/15-30 & 1/10-31 (2?)	11/22-30 & 1/10-31 (2)	13
1998	-	-	-	1/15-2/6 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	10/1-17 & 11/28-1/30 (3) 10/1-31 & 12/12-1/30 (3)	-	1/15-2/15 (3)	1/15-2/15 (4)	10/1-11/15 (2)	11/14-28 & 12/7-1/30 (4)	11/21-1/29 (2?)	11/21-29 & 1/9-30 (2)	13
1999	-	-	-	1/15-2/5 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	10/1-16 & 11/27-1/31 (3) 10/1-30 & 12/11-1/31 (3)	-	1/15-2/15 (3)	1/15-2/15 (4)	10/1-11/15 (2)	11/15-27 & 12/4-1/29 (5)	11/20-1/28 (2?)	11/20-1/28 (2)	13
2000	-	-	-	1/15-2/10 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	10/2-14 & 11/25-1/31 (3) 10/2-28 & 12/9-1/31 (3)	-	1/15-2/15 (3)	1/15-2/15 (4)	10/2-11/15 (2)	11/22-1/20 & 2/3-2/12 (5)	11/22-1/28 (3)	11/18-1/26 (3)	13
2001	-	-	-	1/15-2/9 (5)	1/15-2/15 (5)	1/21-2/15 (5)	1/15-2/15 (5)	1/15-2/15 (5)	1/21-2/15 (5)	10/1-10/14 & 12/17-1/31 (3) 10/1-10/28 & 12/21-1/31 (3)	-	1/15-2/15 (3)	1/15-2/15 (4)	11/3-12/31 (2)	11/21-24 & 11/26-1/30 (5)	11/17-25 & 12/1-1/30 (3)	11/17-1/25 (3)	13
2002	-	-	-	1/26-2-15 (5)	1/15-2/15 (5)	1/30-2/15 (5)	10/26-1/3 (5) 2/8-2/14 (5)	11/15-11/30 & 12/13-2/15 (5) 1/15-2/15 (5)	1/20-2/15 (5)	10/1-10/12 & 12/5 - 1/31 (3) 10/1-10/26 & 12/19-1/31 (3)	-	11/15-11/29 & 12/12-1/14 (5)	11/16-11/30 &12/14 - 1/14 (2) 1/15-2/15 (4)	11/9 - 11/30 & 12/14-1/25 (5)	11/27-11/30 & 12/12-2/15 (5)	11/23-12/1 & 12/7-1/31 (3)	11/23-1/30 (5)	13
2003	-	-	-	1/19-2/14 (2) 1/19-2/14 (5)	1/15-2/14 (5)	1/30-2/15 (5)	2/7-2/12 (5) 10/25-1/2 (5)[a]	1/15-2/14 (5) 11/15-11/29 & 12/11-2/14 (5)[a] 11/15-11/29 & 12/15-1/14 (5)[b]	1/26-2/14 (5)	10/1-10/11 & 12/4-1/31 (3) 10/1-10/25 & 12/18-1/31 (3)	-	11/15-11/28 & 12/10-2/14 (5)[a]	11/24-12/6 & 12/13-1/14 (2)[a] 1/15-2/15 (5)	11/8-11/29 & 12/13-1/24 (5)[a]	11/26-11/30 & 12/12-2/14 (5)	11/22-11/30 & 12/6-1/31 (3)	11/22-1/30 (5)	13
2004	-	-	-	1/15-2/15 (2) 1/24-2/15 (5)	1/15-2/15 (5)	1/28-2/13 (5)	2/7-2/12 (5) 10/23-12/31 (5)[a] 10/23-11/28 & 12/15-1/16 (5)[a]	1/15-2/15 (5) 11/15-11/27 & 12/10-2/15 (5)[a] 11/15-11/27 & 12/8-1/14 (3)[b]	1/24-2/15 (5)	10/1-10/16 & 12/9-1/31 (6) 10/1-10/30 & 12/23-1/31 (3)	-	11/15-11/26 & 12/9-2/15 (5)[a]	1/15-2/15 (5) 11/20-12/4 (2)[a] & 12/15-1/14 (2)[a] & 1/15-2/15 (5)[a]	11/13-12/4 & 12/18-1/29 (5)[a]	11/24-11/28 & 12/17-2/21 (5)	11/20-11/28 & 12/11-1/30 (5)	11/20-11/28 & 12/1-1/30 (5)	13
2005	-	-	-	1/16-2/15 (2) 1/23-2/15(5)	1/16-2/15 (5)	1/27-2/12 (5)	2/3-2/12 (5) 10/22-12/10 & 12/26-1/14 (5)[a]	1/16-2/15 (5) 11/15-11/26 & 12/9-2/15 (5)[a]	1/23-2/15 (5)	10/1-10/15 & 12/8-1/31 (3) 10/1-10/29 & 12/22-1/31 (3)	-	11/15-11/25 & 12/8-2/15 (5)[a]	1/16-2/15 (5) 11/19-12/3 (2)[a] & 12/15-1/14 (2)[a] & 1/16-2/15 (5)[a]	10/5-10/8 & 11/12-12/3 & 12/17-1/28 (5)[a]	11/23-11/27 & 12/16-2/15 (5)	11/19-11/27 & 12/10-1/29 (5)	11/19-11/27 & 12/1-1/30 (5)	13
2006	-	-	-	1/15-2/14 (5) 1/18-2/15 (5)	1/15-2/15 (5)	1/26-2/11 (5)	2/8-2/15 (5) 10/28-12/16 & 12/26-1/14 (5)[a]	1/15-2/15 (5) 11/15-11/25 & 12/8-2/15 (5)[a]	1/22-2/15 (5)	10/2-10/14 & 12/6-1/31 (3) 10/2-10/28 & 12/20-1/31 (3)	-	11/15-11/24 & 12/7-2/15 (5)[a]	1/15-2/15 (5) 11/18-12/2 & 12/14-1/13 (2)[a]	11/11-12/2 & 12/16-1/27 (5)[a]	11/22-11/26 & 12/15-2/15 (5)	11/18-11/26 & 12/9-1/28 (5)	11/18-11/26 & 12/1-1/30 (5)	13
2007				1/15-2/13) (5)	1/15-2/15 (5)	1/25-2/10 (5)	10/27-12/16 (5) 12/26-1/13 (5) 3/1-3/10 (5) 2/7-2/14 (5)	11/15-2/15 (5) 1/15-1/30 (5)	1/21-2/15 (5)	10/1-10-13 (5) 11/26-1/31 (5) 10/1-10/27 (5) 12/10-1/31 (5)		11/15-11/23 (5) 11/26-2/2/15 (5)	1/15-2/15 (5) 11/17-12/1 (2) 12/15-1/14 (2)	10/3-10/27 (5) 11/10-12/1 (5) 12/15-1/26 (5)	11/21-11/25 (5) 12/14-2/15 (5)	11/17-11/25 (5) 12/8-1/27 (5)	11/17-11/25 (5) 12/1-1/30 (5)	13

C:\Data book\Atlantic\AF CAGO seasons.xls Sheet: Late Compiled B. L. Swift 01/02/01
Revision J. Klimstra 07/18/08

[a] RP Zone seasons
[b] Late season area of AP Zone

NUMBERS OF MALLARDS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	9	0	0	45	62	12	3,678	19,815	1,098	8,779	12,829	92,583	27,550	44,380	75,000	3,650	51,246	340,736
1956	6	0	6	78	298	135	6,478	9,953	3,393	7,829	9,586	150,377	31,868	23,933	88,805	2,186	40,584	375,515
1957	0	0	0	532	285	37	2,634	7,382	1,953	7,727	4,458	93,100	42,000	23,300	134,600	3,700	43,300	365,008
1958	1	0	2	154	273	328	3,411	7,333	1,077	5,398	6,779	24,445	10,875	25,815	64,695	7,028	12,102	169,716
1959	0	0	0	241	161	76	2,648	8,459	3,061	8,154	1,544	31,000	18,900	17,200	183,100	7,700	16,600	298,844
1960	5	0	4	99	393	193	6,303	10,168	593	6,191	11,621	22,700	9,700	12,300	139,100	2,100	4,300	225,770
1961	0	0	0	368	1,030	74	5,948	8,653	609	4,861	17,961	25,000	15,500	19,200	117,800	4,700	4,200	225,904
1962	0	0	0	100	400	400	7,200	8,100	900	7,300	14,100	10,500	8,000	9,300	73,500	4,200	4,800	148,800
1963	0	0	100	300	1,100	200	4,950	6,100	4,200	5,700	6,800	11,700	9,020	20,260	165,750	11,200	5,300	252,680
1964	0	0	0	100	600	300	7,400	9,000	6,800	7,600	9,100	56,800	15,500	21,000	117,900	7,200	2,600	261,900
1965	0	0	0	900	1,900	300	7,200	10,400	500	4,000	14,700	20,800	8,100	10,300	89,900	4,200	1,900	175,100
1966	0	100	0	200	800	300	12,400	9,300	600	6,000	15,100	54,800	8,200	9,100	86,300	1,700	2,600	207,500
1967	0	0	0	800	1,000	200	6,400	5,800	1,600	5,400	17,800	23,500	11,000	8,900	83,300	1,100	3,000	169,800
1968	0	0	0	100	300	4,300	7,600	4,400	600	4,400	900	30,100	7,600	14,700	73,400	1,900	200	150,500
1969	0	0	0	700	700	800	8,500	8,800	1,700	7,800	2,700	52,300	11,800	21,200	83,800	11,200	4,700	216,700
1970	0	0	0	400	1,000	700	6,500	7,200	400	5,600	5,000	46,400	4,100	13,500	122,800	11,900	5,500	231,000
1971	0	0	0	400	2,200	300	12,700	16,000	400	7,500	5,300	18,200	8,500	20,300	127,800	10,300	900	230,800
1972	100	100	300	700	900	800	8,600	17,400	1,300	8,000	11,400	22,700	11,300	10,300	77,600	12,700	2,400	186,600
1973	100	0	100	400	1,400	500	7,000	11,000	1,900	14,400	13,000	28,000	12,100	13,600	66,500	4,600	1,100	175,700
1974	200	0	100	1,200	1,900	500	11,100	5,100	2,300	19,200	6,200	30,100	14,500	17,800	44,300	1,100	700	156,300
1975	351	17	0	1,170	418	88	6,274	17,332	973	19,800	6,035	14,600	13,400	15,700	62,200	1,400	1,200	160,958
1976	64	20	200	1,237	725	325	6,340	10,510	1,163	18,065	22,725	25,300	14,927	16,500	77,200	3,000	1,900	200,201
1977	32	0	50	1,009	297	140	7,103	7,215	720	8,695	23,385	35,600	45,321	33,300	112,600	2,200	800	278,467
1978	83	0	0	2,142	1,362	125	4,606	9,444	0	20,835	24,674	26,600	33,597	36,300	103,400	3,500	900	267,568
1979	60	26	8	1,278	1,966	25	6,418	6,219	826	16,570	16,390	46,900	23,924	36,100	103,400	3,200	900	264,210
1980	239	0	428	1,730	1,775	1,020	8,995	11,471	1,467	14,430	3,064	29,100	34,512	10,700	93,100	2,300	300	214,631
1981	68	0	7	790	1,245	10	2,782	19,171	8,800	16,925	6,504	43,600	41,903	37,600	112,800	7,900	1,250	301,355
1982	0	0	0	900	2,100	100	11,500	16,600	3,200	18,500	2,400	24,000	27,200	28,400	71,500	10,600	600	217,600
1983	100	400	100	700	2,200	700	35,000	11,000	1,500	26,600	8,100	21,600	27,400	7,000	24,600	2,500	700	170,200
1984	200	0	100	1,800	1,600	300	13,400	4,300	6,200	19,700	6,800	26,000	24,700	19,500	38,000	1,900	1,200	165,700
1985	100	0	100	1,600	3,000	600	13,200	5,600	2,000	25,700	9,200	17,400	24,200	15,900	21,100	5,600	600	145,900
1986	0	100	0	2,600	2,700	1,300	9,800	7,700	2,800	20,600	10,900	29,000	25,900	15,600	29,000	1,600	500	160,100
1987	200	0	0	1,700	1,300	800	12,700	1,900	1,600	27,000	7,400	38,100	19,900	14,100	18,900	3,300	400	149,300
1988	300	0	300	1,600	2,400	0	14,400	2,300	1,900	34,500	4,700	27,900	16,283	18,400	23,300	9,300	600	158,183
1989	123	30	500	2,100	1,244	275	25,950	5,458	1,089	29,600	8,074	34,777	14,911	22,923	32,609	2,742	382	182,787
1990	117	22	159	3,217	847	786	14,546	7,244	2,188	35,000	8,583	41,166	16,352	16,704	36,213	2,021	261	185,426
1991	260	2	409	1,950	2,339	929	22,289	4,830	1,706	44,200	7,600	48,729	24,333	14,609	22,357	871	387	197,800
1992	268	47	463	2,675	2,034	640	25,520	8,620	1,885	21,530	8,685	53,028	12,585	9,631	11,122	1,235	415	160,383
1993	611	151	256	2,076	944	354	31,001	5,456	2,781	17,529	5,729	40,403	14,876	17,226	19,196	944	679	160,212
1994	383	185	648	2,160	2,013	710	16,059	3,244	6,554	29,525	9,896	52,482	18,335	29,421	19,859	1,046	562	193,082
1995	1,248	46	511	3,040	1,394	634	27,661	5,923	3,438	35,064	5,906	43,633	24,191	12,574	4,884	4,448	455	175,050
1996	480	125	1,077	3,375	451	170	20,918	3,452	5,857	22,049	5,660	35,891	18,716	13,403	9,836	765	912	143,137
1997*	556	398	292	3,250	877	870	20,775	6,049	1,840	30,296	3,714	48,850	18,950	6,102	5,985	827	528	150,159
1998	995	276	652	3,229	839	1,610	16,258	5,921	3,229	23,480	10,377	40,247	16,935	14,422	5,271	292	559	144,592
1999	1,849	829	812	3,750	745	1,593	17,077	6,274	4,464	36,881	10,349	48,047	26,982	17,995	4,539	2,443	236	184,865
2000**	892	2,804	963	4,485	1,020	2,031	17,033	7,184	2,677	27,225	4,532	50,120	16,064	9,789	3,978	1,802	936	153,535

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NUMBERS OF MALLARDS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	1,162	746	720	3,148	312	1,125	10,112	4,306	14,163	28,945	11,683	58,773	22,711	11,951	4,019	6,763	475	181,114
2002	3,224	2,062	554	4,930	499	1,015	20,613	3,136	4,680	39,010	7,987	36,697	19,666	12,424	1,990	2,624	254	161,365
2003**	2,857	1,206	383	3,128	1,026	1,689	13,164	2,527	1,820	34,950	12,104	38,978	9,250	6,063	2,714	849	529	133,237
2004**	2,055	325	252	3,373	1,013	320	13,675	3,477	1,172	28,445	13,054	48,182	12,502	9,193	2,317	476	555	140,386
2005**	2,198	334	251	3,871	1,042	838	7,592	1,920	4,058	28,337	11,130	52,803	10,406	4,244	2,303	475	NS**	131,802
2006**	4,025	431	538	4,249	924	1,879	11,324	2,506	1,759	26,970	10,126	32,525	12,336	3,471	2,275	810	NS**	116,148
2007**	2,960	NS**	390	5,468		724	565	2,228	1,775	23,155	11,966	39,681	9,137	4,029	2,235	745	NS**	105,058
2008**	2,142	45	125	5,903	1,205	1,110	746	2,842	1,174	35,725	13,105	55,507	14,644	9,777 NS		659	NS**	144,709
AVERAGES:																		
55-60	4	0	2	192	245	130	4,192	10,518	1,863	7,346	7,803	69,034	23,482	24,488	114,217	4,394	28,022	295,932
61-65	0	0	20	354	1,006	255	6,540	8,451	2,602	5,892	12,532	24,960	11,224	16,012	112,970	6,300	3,760	212,877
66-70	0	20	0	440	760	1,260	8,280	7,100	980	5,840	8,300	41,420	8,540	13,480	89,920	5,560	3,200	195,100
71-75	150	23	100	774	1,364	438	9,135	13,366	1,375	13,780	8,387	22,720	11,960	15,540	75,680	6,020	1,260	182,072
76-80	96	9	137	1,479	1,225	327	6,692	8,972	835	15,719	18,048	32,700	30,456	26,580	97,940	2,840	960	245,015
81-85	94	80	61	1,158	2,029	342	15,176	11,334	4,340	21,485	6,601	26,520	29,081	21,680	53,600	5,700	870	200,151
86-90	148	30	192	2,243	1,698	632	15,479	4,920	1,915	29,340	7,931	34,189	18,669	17,545	28,004	3,793	429	167,159
91-95	554	86	457	2,380	1,745	653	24,506	5,615	3,273	29,570	7,563	47,655	18,864	16,692	15,484	1,709	500	177,305
96-2000	954	886	759	3,618	786	1,255	18,412	5,776	3,613	27,986	6,926	44,631	19,529	12,342	5,922	1,226	634	155,258
2001-05	2,299	935	432	3,690	778	997	13,031	3,073	5,179	31,937	11,192	47,087	14,907	8,775	2,669	2,237	453	149,581
2006-08	3,042	238	351	5,207	1,065	1,238	4,212	2,535	1,569	28,617	11,732	42,571	12,039	5,759	2,255	738	#DIV/0!	121,972

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997. C:\Data book\Atlantic\Midwinter indices\ducks.xls Sheet: MALL Revision JDK 7/17/2008

** Estimates for some states and the Flyway are not comparable with other years.

2000: Estimates for portions of some states (CT, NY) based on previous 3-year average.

2001: Estimates for portions of FL based on previous 3-year average.

2003: Florida data are incomplete. Data from the USFWS Redhead Survey areas are unavailable.

2004: No survey conducted in Florida. Estimates for Florida based on 2000-2002 average.

2005, 2006: No survey conducted in Florida.

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Connecticut conducted a ground-based survey of black duck and brant concentration areas *only* .

New York survey data from Long Island only. Counts for black ducks and brant are probably reasonable, but are likely too small for other species, especially mallards, canvasbacks, Canada geese and, mute swans.

NUMBERS OF BLACK DUCKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	11,293	0	1,387	18,754	3,762	5,908	32,017	29,426	776	97,010	25,364	223,729	58,300	40,585	17,500	1,030	15,612	582,453
1956	7,893	0	523	19,064	4,797	5,496	33,920	15,809	3,880	64,654	27,591	149,070	41,965	21,994	18,290	1,113	8,784	424,843
1957	8,426	0	1,148	25,514	4,001	10,129	31,075	8,062	2,419	95,617	18,818	133,300	47,600	13,800	11,100	1,500	7,400	419,909
1958	6,249	0	1,754	19,412	4,780	9,137	39,601	8,508	3,260	59,041	11,849	49,515	19,838	26,406	10,500	2,895	5,122	277,867
1959	10,836	0	329	14,466	2,887	5,911	28,928	5,280	6,675	47,821	12,612	58,000	20,600	21,800	64,100	4,000	5,500	309,745
1960	20,921	0	1,385	23,042	10,288	7,550	49,945	14,243	1,093	76,204	23,775	62,800	33,400	16,000	27,800	1,100	4,500	374,046
1961	20,791	0	1,449	23,272	7,217	3,889	36,730	3,715	1,239	45,635	31,015	63,000	28,100	13,300	32,800	3,800	4,900	320,852
1962	23,000	0	3,700	29,800	8,500	10,200	45,800	5,200	1,500	41,100	25,700	67,300	26,600	13,300	30,600	1,700	3,500	337,500
1963	19,900	0	2,000	25,100	8,300	10,800	29,530	6,700	5,200	44,600	10,100	46,000	21,690	16,080	75,100	2,600	1,500	325,200
1964	17,400	0	2,900	28,400	10,900	9,500	32,700	5,200	4,100	70,000	24,600	61,700	28,200	25,300	41,400	1,900	2,100	366,300
1965	20,100	400	2,300	32,300	4,900	4,300	30,600	6,700	800	81,700	32,500	45,800	13,200	19,200	31,900	400	2,700	329,800
1966	18,500	400	1,800	22,400	2,700	6,600	24,000	7,900	2,200	56,900	19,200	82,300	14,800	11,000	31,000	400	2,700	304,800
1967	22,300	400	1,400	25,800	4,700	4,600	29,700	2,900	1,900	55,300	16,000	57,600	18,500	13,400	31,100	600	1,000	287,200
1968	23,300	200	1,300	29,500	4,200	5,900	33,600	2,800	2,200	59,300	17,200	80,600	20,700	22,000	32,300	600	900	336,600
1969	26,200	200	3,200	30,600	7,100	5,500	32,500	4,700	1,200	62,200	9,600	67,600	26,100	30,400	18,800	2,000	2,800	330,700
1970	26,300	200	3,000	17,200	8,000	4,400	26,400	4,800	700	68,700	5,800	54,300	16,100	23,400	22,800	1,400	1,100	284,600
1971	21,000	300	2,000	9,000	9,300	6,400	29,900	8,700	300	78,300	4,400	32,300	12,500	19,200	22,800	1,800	1,000	259,200
1972	23,500	300	2,800	24,600	5,800	3,800	23,100	10,100	1,100	81,700	14,300	30,800	15,300	17,500	13,000	1,100	1,000	269,800
1973	24,200	200	2,400	19,200	3,500	4,200	28,700	9,300	1,400	67,100	16,900	40,700	24,800	20,600	11,200	700	500	275,600
1974	30,700	0	2,800	22,300	3,300	3,400	25,000	3,100	1,300	60,000	12,100	28,900	24,900	20,500	7,400	300	700	246,700
1975	30,770	159	784	15,979	2,579	1,364	19,026	6,314	590	81,910	9,355	18,800	17,100	23,400	9,700	400	600	238,830
1976	17,404	22	1,250	17,800	7,232	1,798	20,747	7,555	773	97,705	16,660	23,100	21,905	29,900	15,900	600	1,500	281,851
1977	10,601	9	383	19,690	4,238	3,585	25,558	3,365	824	44,070	25,105	35,200	36,844	33,100	18,000	800	500	261,872
1978	17,534	39	122	30,711	4,138	2,031	18,815	6,661	0	60,750	27,525	22,800	38,509	26,700	12,200	300	700	269,535
1979	13,283	246	240	13,931	7,647	3,251	13,045	4,554	920	80,935	17,992	26,700	24,624	18,800	8,700	900	500	236,268
1980	13,561	265	1,132	20,467	4,502	2,950	17,500	7,028	932	61,720	9,177	18,900	31,146	8,500	5,200	400	400	203,780
1981	6,920	26	305	24,736	5,274	2,357	17,872	3,194	5,189	69,275	9,926	30,100	38,087	21,100	4,600	1,100	800	240,861
1982	16,400	0	2,100	23,000	6,700	2,100	19,700	7,400	2,300	61,100	6,300	19,300	38,600	24,700	5,200	3,600	200	238,700
1983	11,500	700	1,900	16,300	3,400	2,700	20,500	3,500	1,000	78,000	13,900	14,400	22,500	7,400	2,400	800	400	201,300
1984	11,800	200	800	20,400	6,300	3,000	18,900	4,400	2,000	84,100	11,000	16,900	26,700	10,000	9,500	400	100	226,500
1985	7,600	0	1,100	23,100	8,100	3,100	21,700	3,700	1,000	82,000	13,900	17,200	23,600	8,900	5,700	300	200	221,200
1986	9,000	200	300	21,800	3,100	3,200	14,600	9,100	1,400	75,900	9,700	21,500	36,700	12,400	6,700	100	200	225,900
1987	12,300	0	800	20,600	2,000	3,800	12,700	2,200	700	81,800	5,900	20,600	19,600	7,700	3,000	300	100	194,100
1988	8,100	100	1,000	19,000	4,400	1,700	28,900	900	1,100	84,700	8,500	21,100	27,474	12,100	4,500	400	300	224,274
1989	11,899	51	1,466	21,165	4,388	2,001	29,606	6,537	413	89,100	9,865	23,908	19,081	16,965	3,706	310	125	240,586
1990	9,825	55	506	18,433	2,763	1,399	24,852	5,914	750	82,800	11,331	15,761	25,203	16,016	11,423	205	103	227,339
1991	16,316	47	786	19,033	3,331	1,769	23,709	2,847	352	91,700	12,200	22,290	25,204	8,837	4,032	27	22	232,502
1992	15,022	50	655	23,830	3,909	1,745	22,775	4,127	343	77,210	8,942	19,285	13,761	6,816	2,975	45	65	201,555
1993	17,776	168	1,062	22,608	3,685	2,079	27,642	5,351	664	60,082	13,722	18,751	23,850	12,961	1,584	114	76	212,175
1994	9,796	92	2,075	26,315	4,204	1,109	16,160	1,923	1,048	75,819	12,964	21,566	21,751	18,613	2,199	24	51	215,709
1995	20,379	214	1,846	23,330	3,933	1,107	17,513	5,204	639	80,124	11,594	20,766	22,346	8,201	1,782	171	13	219,162
1996	15,848	33	2,075	20,965	2,870	1,295	19,377	1,236	2,831	83,914	9,370	22,292	21,681	7,635	1,452	8	58	212,940
1997*	14,597	117	573	26,365	3,017	1,091	19,694	2,365	539	77,678	9,037	25,330	15,797	6,742	1,323	27	5	204,297
1998	24,027	215	2,352	18,138	950	1,293	18,924	5,098	810	73,660	9,937	20,737	18,199	7,047	1,071	6	0	202,464
1999	32,600	847	264	21,345	3,280	1,849	22,717	2,185	2,053	95,610	14,049	30,268	34,453	9,062	709	57	0	271,348
2000**	20,666	853	1,529	21,520	3,070	3,842	23,063	3,878	773	81,075	9,480	25,936	18,753	8,068	1,070	26	17	223,619

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NUMBERS OF BLACK DUCKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	12,971	392	882	15,120	2,277	2,917	20,555	1,570	6,245	86,025	12,175	33,359	22,965	11,336	775	109	8	229,681
2002	21,368	1,373	2,292	21,343	884	3,385	28,529	2,436	1,615	115,280	9,301	22,389	17,217	6,855	961	64	6	255,298
2003**	17,283	693	883	22,162	1,038	2,770	16,100	1,770	492	108,333	12,284	22,523	11,333	5,976	894	34	6	224,574
2004**	10,799	142	829	9,954	2,150	640	16,804	1,834	393	92,775	7,974	31,682	22,414	7,378	580	70	10	206,428
2005**	14,027	144	234	16,790	1,155	1,926	11,794	2,668	1,112	79,245	8,588	23,563	16,598	5,369	804	38	NS**	184,055
2006**	16,631	46	408	17,465	1,983	3,776	11,127	1,825	420	91,270	8,254	13,279	18,385	4,757	998	29	NS**	190,653
2007**	20,303	NS**	275	20,886	1,141	1,543	14,555	826	125	88,750	4,984	13,825	13,114	7,199	545	0	NS**	188,071
2008**	19,099	6	265	18,491	2,041	1,757	15,060	1,660	322	136,520	8,547	22,952	15,355	8,551	NS	0	NS**	250,626
AVERAGES:																		
55-60	10,936	0	1,088	20,042	5,086	7,355	35,914	13,555	3,017	73,391	20,002	112,736	36,951	23,431	24,882	1,940	7,820	398,144
61-65	20,238	80	2,470	27,774	7,963	7,738	35,072	5,503	2,568	56,607	24,783	56,760	23,558	17,436	42,360	2,080	2,940	335,930
66-70	23,320	280	2,140	25,100	5,340	5,400	29,240	4,620	1,640	60,480	13,560	68,480	19,240	20,040	27,200	1,000	1,700	308,780
71-75	26,034	192	2,157	18,216	4,896	3,833	25,145	7,503	938	73,802	11,411	30,300	18,920	20,240	12,820	860	760	258,026
76-80	14,477	116	625	20,520	5,551	2,723	19,133	5,833	690	69,036	19,292	25,340	30,606	23,400	12,000	600	720	250,661
81-85	10,844	185	1,241	21,507	5,955	2,651	19,734	4,439	2,298	74,895	11,005	19,580	29,897	14,420	5,480	1,240	340	225,712
86-90	10,225	81	814	20,200	3,330	2,420	22,132	4,930	873	82,860	9,059	20,574	25,612	13,036	5,866	263	166	222,440
91-95	15,858	114	1,285	23,023	3,812	1,562	21,560	3,890	609	76,987	11,884	20,532	21,382	11,086	2,514	76	45	216,221
96-2000	21,548	413	1,359	21,667	2,637	1,874	20,755	2,952	1,401	82,387	10,375	24,913	21,777	7,711	1,125	25	16	222,934
2001-05	15,290	549	1,024	17,074	1,501	2,328	18,756	2,056	1,971	96,332	10,064	26,703	18,105	7,383	803	63	8	220,007
2006-08	18,678	26	316	18,947	1,722	2,359	13,581	1,437	289	105,513	7,262	16,685	15,618	6,836	772	10	#DIV/0!	209,783

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997. C:\Data book\Atlantic\Midwinter indices\ducks.xls Sheet: ABDU Revision JDK 7/17/2008

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NUMBERS OF MOTTLED DUCKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	1,700	1,730
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,800	1,800
1962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,400	3,400
1963	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,400	5,400
1964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,900	4,900
1965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,700	3,700
1967	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,900	1,900
1968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,700	1,700
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	800	800
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	600	600
1971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	300
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,100	1,100
1973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	200
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	400
1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	400
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	400
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	300
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	0	200	500
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	600	800
1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	0	2,700	3,100
1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	1,200	1,300
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	0	400	700
1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	0	1,700	2,100
1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	0	1,300	1,600
1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	800	1,000
1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100	200
1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	800	1,000
1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	151	0	663	814
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	1,727	1,741
1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1,438	1,442
1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,785	1,785
1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	730	736
1994	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,324	2,324
1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1,573	1,585
1996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	1,272
1997*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	2	1,540	1,563
1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0	671	694
1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	13	1,020	1,048
2000**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,182	1,182

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NUMBERS OF MOTTLED DUCKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	9	1,579	1,620
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	668	699
2003**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	3	675	737
2004**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	11	1,143	1,216
2005**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	NS**	15
2006**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	NS**	14
2007**	0	NS**	0	0		0	0	0	0	0	0	0	0	0	0	37	NS**	37
2008**	0	0	0	0	0	0	0	0	0	0	0	0	0	0 NS		40	NS**	40
AVERAGES:																		
55-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	283	288
61-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,100	3,100
66-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,740	1,740
71-75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	480	480
76-80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	320	420
81-85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	0	1,460	1,760
86-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	0	818	951
91-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1,570	1,574
96-2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	3	1,137	1,152
2001-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	14	1,016	857
2006-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	#DIV/0!	30

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997. C:\Data book\Atlantic\Midwinter indices\ducks.xls Sheet: MODU Revision JDK 7/17/2008

** Estimates for some states and the Flyway are not comparable with other years.

2000: Estimates for portions of some states (CT, NY) based on previous 3-year average.

2001: Estimates for portions of FL based on previous 3-year average.

2003: Florida data are incomplete. Data from the USFWS Redhead Survey areas are unavailable.

2004: No survey conducted in Florida. Estimates for Florida based on 2000-2002 average.

2005, 2006: No survey conducted in Florida.

2007: No survey conducted in Vermont or Florida (Totals for mottled ducks, whistling ducks, blue-winged teal, redheads, scaup, ring-necked ducks, and to a lesser extent, wigeon and shovelers are especially suspect.).

Connecticut conducted a ground-based survey of black duck and brant concentration areas *only*.

New York survey data from Long Island only. Counts for black ducks and brant are probably reasonable, but are likely too small for other species, especially mallards, canvasbacks, Canada geese and, mute swans.

NUMBERS OF PINTAILS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	0	0	0	5	0	0	207	12,036	1	23,511	1,792	55,978	4,700	36,605	90,000	325	215,160	440,320
1956	6	0	0	1	0	0	212	1,781	14	5,030	3,929	60,111	18,100	25,494	113,135	110	228,393	456,316
1957	0	0	0	13	16	0	218	103	100	3,765	463	46,400	6,200	14,700	107,300	100	36,900	216,278
1958	0	0	0	29	0	0	0	368	100	5,294	1,661	13,900	2,461	39,660	77,825	250	39,558	181,106
1959	0	0	0	0	0	9	350	175	0	3,310	131	7,800	2,400	15,000	99,300	1,600	59,300	189,375
1960	0	0	0	0	0	17	58	427	0	4,162	13,089	13,800	3,300	25,200	115,000	200	22,200	197,453
1961	3	0	0	0	0	0	172	69	0	284	9,809	10,800	5,700	29,100	112,100	400	46,900	215,337
1962	0	0	0	0	0	0	300	200	0	600	21,800	9,700	3,400	22,300	74,200	500	43,500	176,500
1963	0	0	0	0	0	0	0	0	0	800	500	3,200	11,150	45,900	99,400	350	20,400	181,700
1964	0	0	0	0	0	0	0	100	0	500	3,600	2,000	3,200	29,800	101,800	500	29,200	170,700
1965	0	0	0	0	0	0	0	2,000	0	700	3,500	6,700	2,700	24,600	74,200	200	17,800	132,400
1966	0	0	0	0	0	0	0	1,500	0	2,600	4,400	0	1,700	19,200	111,900	200	20,600	162,100
1967	0	0	0	0	0	0	0	700	0	2,300	4,800	11,100	21,200	39,900	74,500	400	16,100	171,000
1968	0	0	0	0	0	0	0	300	0	800	100	2,100	7,400	46,200	70,800	200	6,200	134,100
1969	0	0	0	0	0	0	0	0	0	800	100	13,100	9,500	45,800	43,200	600	18,400	131,500
1970	0	0	0	0	0	0	0	100	0	1,700	0	400	0	45,100	82,500	200	12,300	142,300
1971	0	0	0	0	0	0	0	0	0	1,100	300	2,200	600	40,600	81,800	300	6,700	133,600
1972	0	0	0	0	0	0	0	300	0	1,600	100	1,400	4,900	22,800	62,600	0	14,100	107,800
1973	0	0	0	0	0	0	0	100	0	400	0	400	3,100	24,100	41,000	200	8,700	78,000
1974	0	0	0	0	0	0	0	0	0	900	2,900	1,200	3,700	41,200	14,700	0	6,200	70,800
1975	0	0	0	0	8	0	26	25	2	2,200	1,785	200	4,200	31,800	20,300	100	11,600	72,246
1976	0	0	0	0	0	0	2	2,084	0	1,700	3,780	700	7,825	53,500	13,500	800	8,600	92,491
1977	0	0	0	0	15	0	0	219	0	400	210	600	1,250	61,400	21,800	100	20,400	106,394
1978	0	0	0	0	60	0	0	1,014	0	700	133	100	2,700	49,800	17,500	200	13,400	85,607
1979	0	0	0	0	0	0	35	283	0	1,450	663	1,100	5,340	33,200	15,700	200	14,100	72,071
1980	0	0	0	0	15	0	65	314	0	3,755	793	800	5,950	21,800	10,600	100	10,300	54,492
1981	0	0	0	0	5	0	0	115	0	950	38	400	2,504	36,800	11,800	1,300	14,050	67,962
1982	0	0	0	0	0	0	0	400	0	5,200	0	0	6,200	32,400	18,300	100	6,300	68,900
1983	0	0	0	0	100	0	0	200	0	3,900	1,200	200	4,400	15,200	14,000	100	8,800	48,100
1984	0	0	0	0	0	0	0	300	0	800	0	0	1,500	15,700	17,700	0	10,200	46,200
1985	0	0	0	0	0	0	0	100	0	2,200	1,800	100	2,300	15,700	7,200	0	4,600	34,000
1986	0	0	0	0	0	0	0	0	0	600	800	0	1,000	21,000	17,900	0	6,100	47,400
1987	0	0	0	0	0	0	0	100	0	2,100	400	300	1,200	13,400	17,400	100	1,900	36,900
1988	0	0	0	0	0	0	100	0	0	2,000	0	100	335	12,400	13,500	300	7,500	36,235
1989	0	0	0	5	0	0	1	300	0	3,200	1,080	41	3,119	21,382	16,024	220	9,721	55,093
1990	0	0	0	0	0	0	0	100	0	2,100	50	462	711	18,162	13,882	160	8,368	43,995
1991	0	0	0	0	0	0	66	5	0	6,600	15,600	885	1,685	18,093	13,896	60	12,047	68,937
1992	0	0	0	66	1	0	10	2	0	2,030	820	2,588	1,028	15,338	14,689	59	6,074	42,705
1993	0	0	0	10	0	0	0	3	38	915	3,275	837	3,028	27,205	11,187	55	4,821	51,374
1994	0	0	0	0	0	0	0	0	0	300	1,055	148	1,539	32,531	21,095	0	4,842	61,510
1995	0	0	0	0	0	0	15	0	6	930	2,965	1,997	697	34,973	3,167	90	5,786	50,626
1996	0	0	0	0	0	0	14	0	0	660	0	880	1,719	18,764	6,848	1	5,720	34,606
1997*	0	0	0	0	0	0	32	12	0	2,040	11,057	2,340	1,540	17,369	5,888	0	2,887	43,165
1998	0	0	0	0	0	0	39	13	6	2,390	6,184	1,805	1,137	26,104	5,046	32	2,663	45,419
1999	0	0	0	0	0	0	1	2	30	2,725	942	3,781	1,930	42,583	5,738	73	7,454	65,259
2000**	0	1	0	0	0	0	0	12	0	2,350	2,700	5,422	1,775	16,744	3,583	0	5,303	37,890

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NUMBERS OF PINTAILS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	2	0	0	0	0	0	0	0	1	1,595	52	2,837	894	33,345	5,605	31	3,540	47,902
2002	0	0	0	35	0	0	2	6	43	8,245	1,330	1,777	2,050	24,785	4,037	1	5,828	48,139
2003**	0	0	0	0	0	0	0	0	0	3,600	2,050	1,349	820	17,418	8,140	210	2,737	36,324
2004**	10	0	0	1	0	0	0	1	24	1,920	12,462	4,602	1,700	21,452	8,458	3	4,890	55,523
2005**	0	0	0	0	0	0	0	1	20	5,035	806	1,913	1,125	19,661	7,573	9	NS**	36,143
2006**	0	0	0	95	0	0	6	10	50	2,565	7,359	2,546	1,727	32,443	24,179	0	NS**	70,980
2007**	1	NS**	0	2		0	670	0	12	3,820	7,071	535	2,353	67,920	5,124	1	NS**	87,509
2008**	0	0	0	0	0	0	100	6	0	5,570	5,470	1,963	2,158	43,813	NS	20	NS**	59,100
AVERAGES:																		
55-60	1	0	0	8	3	4	174	2,482	36	7,512	3,511	32,998	6,194	26,110	100,427	431	100,252	280,141
61-65	1	0	0	0	0	0	94	474	0	577	7,842	6,480	5,230	30,340	92,340	390	31,560	175,327
66-70	0	0	0	0	0	0	0	520	0	1,640	1,880	5,340	7,960	39,240	76,580	320	14,720	148,200
71-75	0	0	0	0	2	0	5	85	0	1,240	1,017	1,080	3,300	32,100	44,080	120	9,460	92,489
76-80	0	0	0	0	18	0	20	783	0	1,601	1,116	660	4,613	43,940	15,820	280	13,360	82,211
81-85	0	0	0	0	21	0	0	223	0	2,610	608	140	3,381	23,160	13,800	300	8,790	53,032
86-90	0	0	0	1	0	0	20	100	0	2,000	466	181	1,273	17,269	15,741	156	6,718	43,925
91-95	0	0	0	15	0	0	18	2	9	2,155	4,743	1,291	1,595	25,628	12,807	53	6,714	55,030
96-2000	0	0	0	0	0	0	17	8	7	2,033	4,177	2,846	1,620	24,313	5,421	21	4,805	45,268
2001-05	2	0	0	7	0	0	0	2	18	4,079	3,340	2,496	1,318	23,332	6,763	51	4,249	44,806
2006-08	0	0	0	32	0	0	259	5	21	3,985	6,633	1,681	2,079	48,059	12,292	7	#DIV/0!	72,530

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Connecticut conducted a ground-based survey of black duck and brant concentration areas *only* .

New York survey data from Long Island only. Counts for black ducks and brant are probably reasonable, but are likely too small for other species, especially mallards, canvasbacks, Canada geese and, mute swans.

NUMBERS OF WIGEON OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	0	0	0	88	0	307	1,247	85	33	7,855	45	117,900	26,450	20,635	15,000	200	40,870	230,715
1956	0	0	0	404	255	1,076	4,015	452	0	3,546	54	43,431	21,800	20,372	18,700	85	38,196	152,386
1957	0	0	0	1,059	6	1,230	6,058	193	46	17,835	135	27,600	5,600	5,400	22,900	100	18,100	106,262
1958	0	0	0	880	75	5,372	12,414	513	0	4,870	93	11,480	5,455	22,325	40,235	175	15,041	118,928
1959	0	0	0	204	15	2,292	6,032	629	0	4,457	4	14,500	3,900	6,800	41,600	400	11,700	92,533
1960	0	0	0	832	679	1,626	3,499	462	0	5,511	551	13,800	2,100	5,000	49,400	700	14,700	98,860
1961	0	0	0	160	190	1,537	3,535	15	0	3,956	677	16,700	4,400	15,300	37,700	1,700	17,600	103,470
1962	0	0	0	200	300	1,200	9,100	100	0	2,500	600	19,700	3,300	3,300	47,500	1,300	25,100	114,200
1963	0	0	0	100	0	1,000	5,750	100	0	1,500	0	13,600	11,020	6,010	59,500	730	15,300	114,610
1964	0	0	0	200	100	900	1,200	100	100	3,000	3,300	6,900	1,900	10,100	74,200	1,400	19,100	122,500
1965	0	0	0	0	100	200	2,700	0	0	3,800	800	14,600	2,300	3,800	49,400	3,400	10,800	91,900
1966	0	0	0	0	0	700	1,800	0	0	6,300	400	27,400	4,600	5,600	60,200	1,600	33,000	141,600
1967	0	0	0	0	0	100	3,000	0	0	4,800	700	21,600	7,300	32,500	40,600	2,200	10,600	123,400
1968	0	0	0	0	0	100	2,600	0	0	4,200	0	0	4,500	44,000	33,100	400	5,100	94,000
1969	0	0	0	0	0	400	1,300	0	100	4,300	100	6,600	4,800	39,400	22,200	1,100	17,800	98,100
1970	0	0	0	0	400	100	1,200	0	0	4,100	200	4,100	400	12,400	30,300	500	8,200	61,900
1971	0	0	0	0	400	0	1,400	0	0	4,500	100	800	7,500	14,600	24,400	4,200	8,800	66,700
1972	0	0	0	0	100	300	500	100	0	2,400	300	4,100	5,100	17,600	28,000	2,600	10,400	71,500
1973	0	0	0	0	0	100	0	0	0	1,600	0	2,600	2,100	19,600	17,500	700	9,700	53,900
1974	0	0	0	0	0	0	400	0	0	3,200	100	100	10,000	20,700	12,000	400	10,000	56,900
1975	0	0	0	100	40	40	610	150	5	3,170	375	2,000	5,000	36,700	9,100	500	15,800	73,590
1976	0	0	0	0	360	0	355	80	0	6,410	167	700	10,751	40,900	17,500	500	13,300	91,023
1977	0	0	0	0	495	15	239	130	0	1,575	30	300	10,500	28,000	37,300	400	15,800	94,784
1978	0	0	0	75	260	0	116	46	0	750	336	900	9,403	21,300	22,200	500	13,800	69,686
1979	0	0	0	25	485	0	844	50	0	2,695	197	1,600	2,324	4,900	21,400	600	13,700	48,820
1980	0	0	0	25	455	0	479	52	0	2,300	97	1,900	8,423	9,600	30,300	1,700	19,400	74,731
1981	0	0	0	50	175	0	54	6	2	1,320	4	100	2,549	11,900	20,600	2,600	15,100	54,460
1982	0	0	0	0	300	0	0	0	0	3,900	0	700	4,100	7,200	13,500	3,200	7,500	40,400
1983	0	0	0	0	200	0	100	0	0	5,900	1,400	4,200	5,200	3,500	14,600	1,700	10,100	46,900
1984	0	0	0	0	0	0	0	0	0	3,800	0	200	700	4,100	10,900	800	12,600	33,100
1985	0	0	0	0	100	300	0	0	0	6,200	300	1,900	2,500	5,000	4,000	1,900	7,100	29,300
1986	0	0	0	0	0	0	100	0	0	1,900	400	100	900	10,200	11,400	400	9,600	35,000
1987	0	0	0	0	100	300	200	0	0	3,000	0	3,800	2,000	8,900	12,200	1,000	8,800	40,300
1988	0	0	0	100	100	0	100	0	0	4,300	0	300	975	29,200	9,400	1,600	14,800	60,875
1989	0	0	0	65	60	40	210	11	0	1,200	0	8	1,094	12,677	10,513	650	30,495	57,023
1990	0	0	0	0	30	0	0	0	0	2,400	0	422	954	9,927	15,682	312	24,525	54,252
1991	0	0	0	0	234	15	164	3	0	2,800	680	3,543	2,194	11,388	20,887	1,617	26,033	69,558
1992	0	0	0	0	174	75	89	4	0	1,650	150	3,733	2,222	13,482	17,838	2,649	9,900	51,966
1993	0	0	0	0	90	0	330	0	0	1,898	1,428	4,323	4,629	15,302	13,020	1,935	9,401	52,356
1994	0	0	0	0	25	30	97	0	0	1,660	271	530	2,849	18,457	16,869	3,970	16,205	60,963
1995	0	0	0	0	45	0	322	3	0	2,740	514	2,757	4,732	13,192	23,601	304	12,180	60,390
1996	0	0	0	0	0	60	84	0	2	1,465	20	671	9,179	7,421	19,673	201	12,734	51,510
1997*	0	0	0	5	0	240	290	3	30	1,650	515	2,305	3,392	6,128	10,229	122	12,866	37,775
1998	0	0	0	0	63	835	38	0	0	1,375	312	1,983	1,946	5,050	4,715	290	11,891	28,498
1999	0	0	0	0	0	320	120	0	2	1,155	412	2,112	3,506	14,197	8,729	796	10,422	41,771
2000**	0	0	0	0	89	50	40	1	0	650	755	4,620	3,392	10,588	6,499	348	17,197	44,229

Continued on next page

NUMBERS OF WIGEON OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	0	0	0	0	18	75	111	0	0	1,130	20	1,823	2,696	14,451	8,803	1,159	10,139	40,425
2002	0	0	0	0	0	580	622	11	12	2,470	65	2,878	2,317	13,523	7,328	634	15,657	46,097
2003**	0	0	0	0	50	465	246	0	0	1,065	245	797	3,740	13,448	7,653	582	6,542	34,833
2004**	0	0	0	0	8	120	48	0	3	1,065	1,869	5,982	2,833	13,397	8,232	457	14,331	48,345
2005**	0	0	0	0	0	115	313	0	0	695	30	1,964	2,196	7,581	4,345	561	NS**	17,800
2006**	1	0	0	16	126	230	121	1	31	1,555	85	305	5,117	12,619	1,852	592	NS**	22,651
2007**	0	NS**	0	0		135	1,300	0	2	1,450	170	407	3,243	9,754	1,070	348	NS**	17,879
2008**	0	0	0	0	101	210	70	1	2	1,320	1,002	752	4,283	16,518	NS	348	NS**	24,607
AVERAGES:																		
55-60	0	0	0	578	172	1,984	5,544	389	13	7,346	147	38,119	10,884	13,422	31,306	277	23,101	133,281
61-65	0	0	0	132	138	967	4,457	63	20	2,951	1,075	14,300	4,584	7,702	53,660	1,706	17,580	109,336
66-70	0	0	0	0	80	280	1,980	0	20	4,740	280	11,940	4,320	26,780	37,280	1,160	14,940	103,800
71-75	0	0	0	20	108	88	582	50	1	2,974	175	1,920	5,940	21,840	18,200	1,680	10,940	64,518
76-80	0	0	0	25	411	3	407	72	0	2,746	165	1,080	8,280	20,940	25,740	740	15,200	75,809
81-85	0	0	0	10	155	60	31	1	0	4,224	341	1,420	3,010	6,340	12,720	2,040	10,480	40,832
86-90	0	0	0	33	58	68	122	2	0	2,560	80	926	1,185	14,181	11,839	792	17,644	49,490
91-95	0	0	0	0	114	24	200	2	0	2,150	609	2,977	3,325	14,364	18,443	2,095	14,744	59,047
96-2000	0	0	0	1	30	301	114	1	7	1,259	403	2,338	4,283	8,677	9,969	351	13,022	40,757
2001-05	0	0	0	0	15	271	268	2	3	1,285	446	2,689	2,756	12,480	7,272	679	11,667	37,500
2006-08	0	0	0	5	114	192	497	1	12	1,442	419	488	4,214	12,964	1,461	429	#DIV/0!	21,712

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997. C:\Data book\Atlantic\Midwinter indices\ducks.xls Sheet: AMWI Revision JDK 7/17/2008

** Estimates for some states and the Flyway are not comparable with other years.

2000: Estimates for portions of some states (CT, NY) based on previous 3-year average.

2001: Estimates for portions of FL based on previous 3-year average.

2003: Florida data are incomplete. Data from the USFWS Redhead Survey areas are unavailable.

2004: No survey conducted in Florida. Estimates for Florida based on 2000-2002 average.

2005, 2006: No survey conducted in Florida.

2007: No survey conducted in Vermont or Florida (Totals for mottled ducks, whistling ducks, blue-winged teal, redheads, scaup, ring-necked ducks, and to a lesser extent, wigeon and shovelers are especially suspect.).

Connecticut conducted a ground-based survey of black duck and brant concentration areas *only* .

New York survey data from Long Island only. Counts for black ducks and brant are probably reasonable, but are likely too small for other species, especially mallards, canvasbacks, Canada geese and, mute swans.

NUMBERS OF DABBLERS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	11,302	0	1,400	18,892	3,824	6,227	37,419	61,806	2,086	137,855	40,096	491,290	120,225	239,390	294,000	17,362	390,389	1,873,563
1956	7,905	0	529	19,559	5,350	6,707	44,926	28,278	7,316	81,214	41,162	403,489	114,733	108,965	314,305	4,331	360,589	1,549,358
1957	8,426	0	1,148	27,132	4,308	11,396	40,025	15,787	4,880	126,414	23,979	302,000	103,800	61,300	357,500	6,400	133,100	1,227,595
1958	6,250	0	1,756	20,475	5,128	14,837	55,456	16,984	4,437	74,878	20,660	102,690	39,941	133,954	269,460	12,121	89,098	868,125
1959	10,836	0	329	14,911	3,063	8,299	37,963	14,549	9,736	64,763	14,291	111,400	46,000	71,900	516,500	16,100	108,200	1,048,840
1960	20,926	0	1,389	23,973	11,360	9,391	59,835	25,321	1,686	93,155	49,916	114,600	49,657	64,000	486,060	11,300	58,000	1,080,569
1961	20,794	0	1,449	23,800	8,437	5,500	46,440	12,511	1,848	56,381	59,474	116,200	55,900	88,300	428,400	29,300	110,600	1,065,334
1962	23,000	0	3,700	30,100	9,200	11,800	62,400	13,700	2,400	53,000	63,000	108,000	45,500	60,300	326,700	26,600	108,300	947,700
1963	19,900	0	2,100	25,500	9,400	12,000	40,230	12,900	9,500	53,900	17,400	75,800	55,700	95,930	558,650	26,890	86,400	1,102,200
1964	17,400	0	2,900	28,700	11,600	10,700	41,300	14,400	11,000	82,600	41,900	128,400	49,400	101,300	426,800	19,300	77,800	1,065,500
1965	20,100	400	2,300	33,200	6,900	4,800	40,500	19,200	1,300	94,800	56,300	89,300	26,800	64,600	314,200	10,600	40,500	825,800
1966	18,500	500	1,800	22,600	3,500	7,600	38,300	18,700	3,000	76,900	43,900	174,200	30,500	50,200	385,500	5,800	85,800	967,300
1967	22,300	400	1,400	26,600	5,700	4,900	39,102	9,400	3,550	72,900	44,200	117,300	65,900	105,350	326,300	10,200	54,600	910,102
1968	23,300	200	1,300	29,600	4,500	10,300	43,800	7,500	2,800	70,300	18,800	118,000	41,100	140,800	303,100	6,900	20,500	842,800
1969	26,200	200	3,200	31,300	7,800	6,700	42,300	13,500	3,000	76,500	12,800	139,700	52,400	150,200	247,500	22,400	73,700	909,400
1970	26,300	200	3,000	17,600	9,400	5,200	34,100	12,400	1,100	80,900	11,400	105,200	20,600	107,100	338,900	21,500	35,000	829,900
1971	21,000	300	2,000	9,400	12,000	6,700	44,000	24,700	700	94,200	10,600	53,600	29,700	129,000	346,000	24,800	33,300	842,000
1972	23,600	400	3,100	25,300	6,800	4,900	32,300	27,900	2,400	97,500	27,000	59,900	37,700	92,800	238,000	21,000	45,500	746,100
1973	24,300	200	2,500	19,600	4,900	4,800	35,700	20,400	3,300	85,600	29,900	72,100	43,400	92,400	190,600	11,000	26,700	667,400
1974	30,900	0	2,900	23,800	5,200	3,900	36,600	8,400	3,600	91,100	23,200	60,600	60,300	124,300	114,300	2,900	26,500	618,500
1975	31,121	176	784	17,314	3,057	1,492	26,282	24,008	1,584	112,380	20,970	37,700	52,300	123,500	131,200	4,800	41,500	630,168
1976	17,468	42	1,450	19,297	8,317	2,123	27,455	20,434	1,945	126,230	44,067	52,000	63,258	173,100	154,200	9,600	35,200	756,186
1977	10,633	9	433	20,699	5,047	3,740	32,951	11,249	1,544	55,140	48,880	72,000	105,915	186,800	246,400	5,600	66,200	873,240
1978	17,617	39	122	32,928	5,870	2,181	23,537	17,192	0	85,235	53,568	50,800	91,390	166,000	175,200	5,600	51,300	778,579
1979	13,343	272	248	15,234	10,147	3,276	20,433	11,771	1,752	104,000	35,575	76,800	69,887	117,600	195,500	7,400	46,600	729,838
1980	13,800	265	1,560	22,222	6,747	3,970	27,041	19,584	2,399	84,705	14,260	52,000	97,908	69,200	156,200	7,900	45,800	625,561
1981	6,988	26	312	25,601	6,725	2,367	20,708	22,512	14,009	88,645	16,502	74,300	88,976	138,300	167,000	17,700	48,050	738,721
1982	16,400	0	2,100	23,900	9,100	2,200	31,400	24,600	5,500	91,200	8,700	44,500	79,100	111,900	158,300	26,900	39,400	675,200
1983	11,600	1,100	2,000	17,000	5,900	3,400	55,600	15,000	2,500	118,400	27,900	41,600	63,700	45,700	100,300	9,900	44,500	566,100
1984	12,000	200	900	22,200	7,900	3,300	32,300	9,000	8,200	109,200	17,800	43,100	54,500	66,100	122,900	5,500	56,200	571,300
1985	7,700	0	1,200	24,700	11,300	4,000	35,000	9,500	3,000	120,000	28,400	36,900	54,700	55,900	64,900	14,700	38,900	510,800
1986	9,000	300	300	24,400	5,800	4,800	24,500	16,900	4,200	99,900	21,800	51,100	64,600	85,600	119,300	3,900	45,500	581,900
1987	12,500	0	800	22,300	3,400	4,900	25,900	4,200	2,300	122,300	15,400	65,000	43,800	58,100	101,500	8,400	24,200	515,000
1988	8,400	100	1,300	20,700	7,000	1,700	43,500	3,200	3,000	128,500	13,200	49,900	45,247	91,700	102,800	13,600	51,100	584,947
1989	12,022	81	1,966	23,345	5,692	2,316	55,767	12,319	1,503	125,700	19,209	59,208	39,362	100,251	137,371	6,376	80,914	683,402
1990	9,942	77	665	21,670	3,744	2,185	39,498	13,258	2,939	123,400	20,219	57,880	43,972	71,515	125,619	4,564	87,281	628,428
1991	16,576	49	1,196	20,993	5,982	2,713	46,297	7,759	2,058	157,300	62,840	78,013	56,613	81,419	132,152	5,135	84,373	761,468
1992	15,290	97	1,118	26,606	6,214	2,460	48,532	12,862	2,234	106,285	21,662	81,898	31,308	70,285	97,924	5,724	48,821	579,320
1993	18,392	319	1,318	24,704	4,739	2,433	59,071	10,848	3,499	81,823	28,815	66,870	48,511	107,400	88,592	4,933	30,032	582,299
1994	10,179	277	2,723	28,475	6,267	1,849	32,331	5,171	7,602	108,009	26,410	75,489	46,044	143,143	139,092	11,222	55,667	699,950
1995	21,627	260	2,357	26,370	5,417	1,861	45,779	11,183	4,083	125,343	22,450	72,886	55,455	110,059	105,260	6,254	46,303	662,947
1996	16,328	158	3,152	24,340	3,347	1,525	40,498	4,692	8,690	109,618	15,134	60,162	56,950	85,002	88,055	2,027	49,044	568,722
1997*	15,153	515	865	29,635	3,914	2,201	40,923	8,475	2,418	114,834	34,300	83,724	45,661	66,828	39,394	2,146	39,558	530,544
1998	25,022	491	3,004	21,482	1,903	3,738	35,519	11,149	4,094	104,835	33,733	71,740	44,254	90,351	35,656	1,712	28,191	516,874
1999	34,449	1,676	1,076	25,095	4,025	3,762	39,988	8,512	6,551	140,516	26,424	92,994	76,407	134,837	45,099	7,597	71,708	720,716
2000**	21,558	3,658	2,492	26,045	4,204	5,923	40,161	11,154	3,472	119,895	29,223	93,277	47,567	87,840	28,982	6,355	77,094	608,900

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NUMBERS OF DABBLERS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	14,135	1,138	1,602	18,268	2,607	4,117	30,823	5,887	20,409	118,270	24,012	99,385	58,075	120,002	45,356	16,050	41,570	621,706
2002	24,662	3,435	2,846	26,392	1,385	5,055	49,942	5,709	6,350	170,342	20,509	68,714	47,733	103,366	41,821	5,458	54,200	637,919
2003**	20,140	1,899	1,266	25,300	2,118	5,024	29,910	4,299	2,319	151,158	32,446	68,354	30,733	79,717	40,802	6,211	33,290	534,986
2004**	12,864	467	1,081	13,328	3,179	1,286	30,527	5,355	1,653	126,310	43,901	94,125	46,920	90,669	64,969	4,177	59,622	600,433
2005**	16,225	478	485	20,662	2,197	2,929	19,769	4,615	5,191	117,332	22,910	82,658	39,056	74,025	48,876	4,045	NS**	461,453
2006**	20,659	477	946	21,825	3,053	5,913	22,593	4,360	2,356	124,485	29,051	50,318	53,584	100,021	60,402	5,712	NS**	505,755
2007**	23,264	NS**	665	26,356		2,413	18,140	3,128	2,029	129,855	31,739	59,234	44,015	202,545	33,617	3,463	NS**	580,463
2008**	21,241	51	390	24,419	3,459	3,112	16,056	4,518	1,523	186,235	32,580	89,322	50,604	114,705	NS	4,582	NS**	552,797
AVERAGES:																		
55-60	10,941	0	1,092	20,824	5,506	9,476	45,937	27,121	5,024	96,380	31,684	254,245	79,059	113,252	372,971	11,269	189,896	1,274,675
61-65	20,239	80	2,490	28,260	9,107	8,960	46,174	14,542	5,210	68,136	47,615	103,540	46,660	82,086	410,950	22,538	84,720	1,001,307
66-70	23,320	300	2,140	25,540	6,180	6,940	39,520	12,300	2,690	75,500	26,220	130,880	42,100	110,730	320,260	13,360	53,920	891,900
71-75	26,184	215	2,257	19,083	6,391	4,358	34,976	21,082	2,317	96,156	22,334	56,780	44,680	112,400	204,020	12,900	34,700	700,834
76-80	14,572	125	763	22,076	7,226	3,058	26,283	16,046	1,528	91,062	39,270	60,720	85,672	142,540	185,500	7,220	49,020	752,681
81-85	10,938	265	1,302	22,680	8,185	3,053	35,002	16,122	6,642	105,489	19,860	48,080	68,195	83,580	122,680	14,940	45,410	612,424
86-90	10,373	112	1,006	22,483	5,127	3,180	37,833	9,975	2,788	119,960	17,966	56,618	47,396	81,433	117,318	7,368	57,799	598,735
91-95	16,413	200	1,742	25,430	5,724	2,263	46,402	9,565	3,895	115,752	32,435	75,031	47,586	102,461	112,604	6,654	53,039	657,197
96-2000	22,502	1,300	2,118	25,319	3,479	3,430	39,418	8,796	5,045	117,940	27,763	80,379	54,168	92,972	47,437	3,967	53,119	589,151
2001-05	17,605	1,483	1,456	20,790	2,297	3,682	32,194	5,173	7,184	136,682	28,756	82,647	44,503	93,556	48,365	7,188	47,171	571,299
2006-08	21,721	264	667	24,200	3,256	3,813	18,930	4,002	1,969	146,858	31,123	66,291	49,401	139,090	47,010	4,586	#DIV/0!	546,338

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997. C:\Data book\Atlantic\Midwinter indices\ducks.xls Sheet: DABBLERS Revision JDK 7/17/2008

** Estimates for some states and the Flyway are not comparable with other years.

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New York survey data from Long Island only. Counts for black ducks and brant are probably reasonable, but are likely too small for other species, especially mallards, canvasbacks, Canada geese and, mute swans.

NUMBERS OF CANVASBACKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	0	0	0	1	0	150	15,780	3,859	250	1,469	5,282	225,450	22,675	21,791	2,000	308	3,020	302,035
1956	0	0	0	200	40	181	15,095	550	9	1,942	2,007	172,535	12,275	14,168	0	0	0	219,002
1957	0	0	0	101	9	0	27,582	3,000	100	5,903	169	109,300	5,600	7,900	1,600	200	19,100	180,564
1958	0	0	0	200	0	475	26,913	20	4	2,088	815	44,031	4,090	10,850	2,000	225	9,317	101,028
1959	0	0	0	0	120	100	14,667	152	65	5,669	420	52,700	1,400	6,200	2,100	600	8,000	92,193
1960	0	0	0	0	635	264	20,363	1,562	0	4,595	1,808	50,900	12,900	7,100	800	800	7,100	108,827
1961	0	0	0	0	292	84	18,893	66	32	430	1,509	91,600	15,100	16,400	500	1,000	11,900	157,806
1962	0	0	0	0	0	100	20,300	300	0	900	6,300	73,400	7,700	11,500	1,300	800	15,000	137,600
1963	0	0	0	0	100	0	9,100	0	0	7,700	400	117,900	6,830	2,700	4,900	1,120	13,300	164,050
1964	0	0	0	0	400	100	11,600	0	100	1,300	700	136,400	5,900	13,500	5,100	1,300	13,600	190,000
1965	0	0	0	0	300	0	7,800	300	0	8,100	1,500	100,000	9,100	20,200	5,600	400	5,400	158,700
1966	0	0	0	0	300	0	9,600	200	300	11,400	2,000	67,800	18,400	22,900	3,800	300	11,100	148,100
1967	0	300	0	0	100	0	7,000	200	0	11,500	4,900	133,100	9,700	48,200	7,200	400	3,600	226,200
1968	0	0	0	400	0	0	4,700	0	0	4,600	5,900	50,200	10,400	13,500	3,800	0	600	94,100
1969	0	0	0	0	200	100	7,700	0	0	2,100	600	98,200	9,000	6,800	2,900	500	5,200	133,300
1970	0	600	0	200	700	100	9,100	0	0	6,500	1,000	39,100	22,800	10,300	4,600	300	3,100	98,400
1971	0	300	0	100	200	0	8,300	100	0	7,600	800	54,900	1,300	5,700	2,600	5,500	600	88,000
1972	0	300	0	200	0	300	6,100	4,000	0	5,100	1,200	41,700	11,700	12,600	2,300	2,000	3,400	90,900
1973	0	100	0	200	0	800	2,100	1,300	0	15,900	300	63,200	11,100	6,100	2,300	2,800	3,300	109,500
1974	0	0	0	0	100	300	6,700	500	0	12,300	1,300	50,400	9,500	25,600	1,600	200	4,400	112,900
1975	0	2,280	0	160	15	0	8,935	8,419	1	12,200	1,420	54,000	6,100	19,800	700	800	3,000	117,830
1976	0	2,400	0	1,213	785	1,190	13,830	1,237	4	28,765	1,025	49,300	10,028	30,800	1,800	900	5,900	149,177
1977	0	167	0	2,554	685	25	8,427	1,201	0	15,630	2,620	54,000	18,594	23,600	3,400	1,000	9,600	141,503
1978	0	1,600	0	1,030	1,370	125	4,810	858	0	5,645	1,927	49,200	15,646	28,200	2,000	0	4,600	117,011
1979	0	604	0	825	1,745	75	4,225	2,181	0	8,450	1,534	60,300	8,666	50,700	1,700	100	2,200	143,305
1980	0	3,850	0	1,303	1,980	150	5,388	2,740	0	13,835	1,054	30,100	18,863	61,100	900	100	2,700	144,063
1981	3,045	0	0	140	988	50	10,787	75	0	18,560	1,271	36,400	18,312	39,500	300	700	1,400	131,528
1982	0	100	0	1,100	2,100	1,700	11,300	1,000	0	22,300	2,100	26,700	22,800	21,800	2,700	1,000	8,300	125,000
1983	0	0	0	400	2,600	700	8,300	0	0	13,900	1,000	44,400	13,300	15,300	700	1,000	1,100	102,700
1984	0	0	0	1,100	2,500	0	8,900	900	0	18,800	100	56,800	17,400	32,200	2,700	600	4,800	146,800
1985	0	300	0	600	1,200	400	9,500	100	0	13,600	1,500	32,700	18,400	52,300	200	700	2,000	133,500
1986	0	0	0	2,200	1,600	600	7,100	200	0	10,800	500	23,200	11,100	37,400	1,000	300	100	96,100
1987	0	0	0	1,900	1,800	500	10,300	3,200	0	16,100	0	44,100	9,200	25,300	300	1,300	14,000	128,000
1988	0	0	0	1,000	2,500	200	13,400	0	0	21,400	700	43,700	17,188	11,200	300	1,900	4,300	117,788
1989	0	0	0	1,860	3,875	200	10,250	552	0	5,500	344	35,651	14,858	13,533	1,553	911	4,105	93,192
1990	0	25	0	1,075	1,499	608	6,928	0	0	11,900	955	33,596	22,791	24,384	1,137	1,821	8,067	114,786
1991	0	0	1	750	988	135	12,803	294	0	4,900	0	26,451	20,237	9,131	256	2,482	1,419	79,847
1992	0	0	0	880	1,283	415	9,775	1,200	0	3,925	3,600	35,570	17,386	27,028	164	4,095	1,264	106,585
1993	0	60	0	405	566	155	12,509	5	0	3,470	110	37,669	21,636	9,092	221	4,256	162	90,316
1994	0	0	0	315	1,236	250	8,967	0	0	6,749	339	46,708	15,127	21,445	70	6,122	513	107,841
1995	0	0	0	205	976	60	8,480	40	0	5,005	325	47,666	18,710	7,367	218	1,073	1,357	91,482
1996	0	0	0	395	1,615	160	8,977	2	5	5,400	3	50,531	16,997	7,770	602	2,800	1,687	96,944
1997*	0	10	0	285	2,000	1,375	10,863	5	0	10,125	3,250	51,359	10,210	7,289	1,269	1,177	863	100,080
1998	0	0	0	437	726	875	4,286	164	0	6,165	600	46,848	15,682	9,517	251	983	675	87,209
1999	0	0	0	240	1,500	622	10,514	66	1	6,685	2,215	52,644	13,596	9,042	52	2,101	2,023	101,301
2000**	0	0	0	370	1,473	30	1,376	13	0	2,050	1,100	49,894	21,792	1,684	206	1,819	4,133	85,940

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NUMBERS OF CANVASBACKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	0	0	0	0	10	535	9,985	0	0	2,020	180	52,767	20,412	3,390	1,113	2,885	947	94,244
2002	0	0	0	0	0	85	1,749	0	0	1,385	500	32,918	13,931	1,750	20	1,350	926	54,614
2003**	0	0	0	0	85	200	1,862	0	0	3,240	1,052	40,031	16,513	1,075	205	3,018	3,369	70,650
2004**	0	0	0	0	0	25	61	10	1	1,795	200	30,774	13,109	1,235	425	705	2,002	50,342
2005**	0	0	0	0	105	15	661	91	4	2,340	600	39,413	12,404	573	914	1,860	NS**	58,980
2006**	0	0	0	0	70	45	2,005	0	10	2,745	0	33,759	14,534	843	1,067	2,698	NS**	57,776
2007**	0	NS**	0	0		10	140	0	0	620	500	13,683	11,594	1,242	7	1,777	NS**	29,573
2008**	0	0	0	0	96	4	0	1	0	1,210	1,285	40,092	16,717	2,538		2,039		63,982
AVERAGES:																		
55-60	0	0	0	84	134	195	20,067	1,524	71	3,611	1,750	109,153	9,823	11,335	1,417	356	7,756	167,275
61-65	0	0	0	0	218	57	13,539	133	26	3,686	2,082	103,860	8,926	12,860	3,480	924	11,840	161,631
66-70	0	180	0	120	260	40	7,620	80	60	7,220	2,880	77,680	14,060	20,340	4,460	300	4,720	140,020
71-75	0	596	0	132	63	280	6,427	2,864	0	10,620	1,004	52,840	7,940	13,960	1,900	2,260	2,940	103,826
76-80	0	1,724	0	1,385	1,313	313	7,336	1,643	1	14,465	1,632	48,580	14,359	38,880	1,960	420	5,000	139,012
81-85	609	80	0	668	1,878	570	9,757	415	0	17,432	1,194	39,400	18,042	32,220	1,320	800	3,520	127,906
86-90	0	5	0	1,607	2,255	422	9,596	790	0	13,140	500	36,049	15,027	22,363	858	1,246	6,114	109,973
91-95	0	12	0	511	1,010	203	10,507	308	0	4,810	875	38,813	18,619	14,813	186	3,606	943	95,214
96-2000	0	2	0	345	1,463	612	7,203	50	1	6,085	1,434	50,255	15,655	7,060	476	1,776	1,876	94,295
2001-05	0	0	0	0	40	172	2,864	20	1	2,156	506	39,181	15,274	1,605	535	1,964	1,811	65,766
2006-08	0	0	0	0	83	20	715	0	3	1,525	595	29,178	14,282	1,541	537	2,171	#DIV/0!	50,444

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NUMBERS OF SCAUP OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	4,082	0	5	24,992	34,190	11,093	73,347	37,026	55	59,753	2,366	62,610	11,000	76,350	20,000	8,750	462,414	888,033
1956	2,435	0	17	21,382	44,765	12,765	107,239	67	5	67,751	64	74,670	21,600	13,177	0	0	0	365,937
1957	925	0	24	17,280	25,330	11,509	79,696	1,500	10	99,011	281	27,200	5,400	20,400	7,500	1,800	306,200	604,066
1958	1,460	0	225	13,787	53,208	12,217	110,884	0	610	56,555	0	14,335	483	27,305	19,700	14,327	264,082	589,178
1959	3,170	0	0	14,869	42,597	9,978	69,733	0	33	51,237	301	5,000	500	4,500	7,400	41,200	312,500	563,018
1960	4,156	0	29	25,399	42,553	20,882	91,652	953	30	91,794	897	78,300	3,300	14,400	11,800	23,900	209,000	619,045
1961	2,675	0	200	15,335	43,055	10,709	98,448	4,000	164	73,068	1,189	24,100	5,400	19,100	2,700	8,600	390,900	699,643
1962	2,900	0	700	18,900	38,700	7,100	133,000	2,900	100	82,700	1,200	56,000	3,000	12,000	10,400	6,100	330,900	706,600
1963	2,800	0	200	13,800	36,500	7,400	81,635	400	100	53,100	0	40,800	6,940	4,000	25,500	4,650	332,200	610,025
1964	2,700	0	300	25,400	45,000	12,100	73,200	2,000	500	50,000	2,300	91,800	7,200	2,900	11,800	8,200	521,500	856,900
1965	3,300	800	200	18,600	18,600	9,700	120,500	1,800	100	52,200	20,500	27,200	10,500	3,000	49,400	16,100	341,800	694,300
1966	1,300	900	0	25,300	11,500	11,500	42,300	2,400	200	81,300	20,800	41,800	28,800	1,100	7,100	79,400	571,000	926,700
1967	1,900	1,400	600	16,400	46,200	10,400	71,800	2,400	200	126,400	600	90,000	3,600	9,600	44,700	24,600	119,400	570,200
1968	3,100	0	0	12,300	15,600	9,500	72,500	1,200	200	42,100	3,400	94,800	16,300	11,200	9,000	41,000	193,800	526,000
1969	900	100	0	15,000	17,300	14,000	67,300	2,500	100	52,700	500	65,300	21,000	4,700	9,600	1,600	470,700	743,300
1970	2,300	200	100	15,300	25,100	19,000	51,000	1,000	100	81,700	2,200	33,800	23,100	17,200	17,000	8,800	98,600	396,500
1971	2,600	1,000	0	6,200	18,200	19,500	78,000	2,400	0	88,300	100	98,000	3,200	1,100	9,600	3,500	354,500	686,200
1972	3,300	1,800	0	19,400	18,900	18,500	67,800	11,200	0	19,300	0	48,900	5,600	3,900	5,700	8,500	196,300	429,100
1973	3,400	0	0	10,300	18,000	19,900	57,600	2,800	100	58,100	500	31,400	2,900	7,600	1,900	11,000	163,400	388,900
1974	2,900	1,500	900	14,300	11,900	29,000	61,800	1,800	0	40,400	0	97,800	3,200	44,200	800	21,700	131,200	463,400
1975	4,313	1,030	0	18,460	7,100	33,565	74,312	15	20	100,150	210	92,300	1,300	8,700	1,100	9,600	294,000	646,175
1976	6,865	740	0	14,753	18,370	19,872	37,103	2,925	1	65,920	1,970	13,200	1,477	40,000	1,300	10,800	67,800	303,096
1977	4,508	200	0	13,087	17,895	43,470	35,812	1,477	1	74,010	1,025	23,000	2,300	29,800	7,900	39,400	145,300	439,185
1978	2,945	1,400	0	16,759	12,567	28,060	36,711	9,215	0	26,205	1,782	21,900	6,891	41,500	6,400	2,800	99,000	314,135
1979	2,210	500	0	25,736	19,100	17,700	22,776	1,012	14	114,750	2,075	26,500	2,227	105,900	5,800	5,200	37,300	388,800
1980	3,015	501	800	15,767	935	6,037	20,464	5,815	0	84,805	5,505	3,000	20,265	18,700	1,100	47,000	173,300	407,009
1981	0	0	0	19,290	15,790	22,608	56,983	28	42	48,000	1,795	8,100	13,043	36,400	1,000	34,200	64,800	322,079
1982	2,300	0	800	18,600	17,300	14,400	40,300	2,000	0	35,400	100	3,800	6,900	20,400	2,100	1,900	280,900	447,200
1983	700	0	0	14,600	3,800	8,600	30,000	500	0	86,400	100	24,400	7,900	10,400	600	1,100	180,300	369,400
1984	1,500	0	0	6,800	10,800	5,500	38,400	100	0	87,700	3,500	36,500	21,600	40,000	1,800	1,600	123,300	379,100
1985	600	0	0	11,700	2,900	8,300	39,700	900	0	102,400	1,500	26,200	3,000	7,100	1,400	900	104,700	311,300
1986	500	0	0	11,200	38,100	2,500	16,300	200	0	73,000	200	25,400	2,600	17,400	6,900	5,500	211,100	410,900
1987	700	0	800	15,000	8,600	3,500	27,300	900	0	36,600	200	33,400	11,200	24,100	800	8,000	170,100	341,200
1988	1,200	0	600	11,400	1,800	8,800	36,200	0	0	39,000	1,100	6,100	7,895	12,200	3,400	34,600	94,200	258,495
1989	375	15	602	7,615	3,215	1,575	32,707	150	1	69,800	10	38,662	15,345	14,715	35,085	83,363	140,645	443,880
1990	830	0	465	9,525	9,215	2,120	33,094	100	3	35,700	360	26,390	6,920	22,921	2,069	11,187	295,963	456,862
1991	978	0	556	4,200	15,942	3,925	44,642	843	4	105,200	490	107,527	10,953	16,736	12,369	114,250	237,188	675,803
1992	0	312	20	3,720	3,265	1,550	30,728	4,056	0	88,740	300	31,808	4,980	17,432	6,446	6,340	263,213	462,910
1993	690	1	150	13,245	9,510	1,645	45,392	425	33	26,190	390	78,138	6,339	13,875	76,947	4,408	372,227	649,605
1994	1,102	0	400	10,225	1,520	1,780	65,191	55	5	87,310	183	50,405	6,086	5,235	30,389	35,604	419,144	714,634
1995	860	1	550	9,350	1,305	14,875	37,439	40	13	70,755	996	40,048	9,732	27,382	5,108	15,033	910,095	1,143,582
1996	1,052	0	582	3,625	10,270	23,515	27,628	25	38	24,763	730	33,704	11,930	33,136	34,088	780	198,930	404,796
1997*	1,175	0	0	3,795	4,806	8,200	43,149	230	3	43,355	2,901	30,908	2,043	5,850	18,400	35,065	162,073	361,953
1998	581	0	1,300	3,640	643	11,120	68,748	287	65	35,260	0	74,952	2,230	24,411	15,150	5,257	268,977	512,621
1999	1,830	0	0	4,810	10,830	1,930	54,819	400	29	72,700	135	68,276	10,866	52,398	1,111	5,421	152,644	438,199
2000**	1,790	0	1,100	12,135	1,502	8,590	59,514	357	106	16,835	40	96,053	15,945	14,462	4,780	3,768	181,045	418,022

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NUMBERS OF SCAUP OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	1,080	0	1,250	3,161	903	3,136	49,036	34	96	47,295	0	85,588	9,291	53,657	11,948	8,480	217,253	492,208
2002	370	300	1,625	11,175	308	1,565	29,410	0	35	47,155	5,245	163,444	4,023	73,327	2,307	1,605	82,141	424,035
2003**	450	500	0	3,450	2,350	7,345	25,272	0	36	29,620	7,830	66,563	6,161	82,441	9,011	2,811	93,076	336,916
2004**	0	130	0	1,978	1,900	3,280	37,161	260	2	26,355	100	106,289	19,410	34,494	5,708	1,950	160,146	399,163
2005**	160	0	100	5,157	350	5,600	28,048	2,379	5	65,940	722	189,751	5,280	29,456	1,520	4,403	NS**	338,871
2006**	73	250	1,500	3,247	4,183	7,010	70,138	302	26	51,520	51	79,491	3,882	22,916	566	3,920	NS**	249,075
2007**	72	NS**	0	2,721		7,060	25,015	80	4	26,310	600	25,657	3,040	22,194	243	751	NS**	113,747
2008**	175	0	1,800	4,732	2,880	7,285	16,120	290	3	76,930	2,185	139,959	15,664	35,029 NS		910	NS**	303,962
AVERAGES:																		
55-60	2,705	0	50	19,618	40,441	13,074	88,759	6,591	124	71,017	652	43,686	7,047	26,022	11,067	14,996	259,033	604,880
61-65	2,875	160	320	18,407	36,371	9,402	101,357	2,220	193	62,214	5,038	47,980	6,608	8,200	19,960	8,730	383,460	713,494
66-70	1,900	520	140	16,860	23,140	12,880	60,980	1,900	160	76,840	5,500	65,140	18,560	8,760	17,480	31,080	290,700	632,540
71-75	3,303	1,066	180	13,732	14,820	24,093	67,902	3,643	24	61,250	162	73,680	3,240	13,100	3,820	10,860	227,880	522,755
76-80	3,909	668	160	17,220	13,773	23,028	30,573	4,089	3	73,138	2,471	17,520	6,632	47,180	4,500	21,040	104,540	370,445
81-85	1,020	0	160	14,198	10,118	11,882	41,077	706	8	71,980	1,399	19,800	10,489	22,860	1,380	7,940	150,800	365,816
86-90	721	3	493	10,948	12,186	3,699	29,120	270	1	50,820	374	25,990	8,792	18,267	9,651	28,530	182,402	382,267
91-95	726	63	335	8,148	6,308	4,755	44,678	1,084	11	75,639	472	61,585	7,618	16,132	26,252	35,127	440,373	729,307
96-2000	1,286	0	596	5,601	5,610	10,671	50,772	260	48	38,583	761	60,779	8,603	26,051	14,706	10,058	192,734	427,118
2001-05	412	186	595	4,984	1,162	4,185	33,785	535	35	43,273	2,779	122,327	8,833	54,675	6,099	3,850	138,154	398,239
2006-08	107	125	1,100	3,567	3,532	7,118	37,091	224	11	51,587	945	81,702	7,529	26,713	405	1,860	#DIV/0!	222,261

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997. C:\Data book\Atlantic\Midwinter indices\ducks.xls Sheet: SCAUP Revision JDK 7/17/2008

** Estimates for some states and the Flyway are not comparable with other years.

2000: Estimates for portions of some states (CT, NY) based on previous 3-year average.

2001: Estimates for portions of FL based on previous 3-year average.

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2007: No survey conducted in Vermont or Florida (Totals for mottled ducks, whistling ducks, blue-winged teal, redheads, scaup, ring-necked ducks, and to a lesser extent, wigeon and shovelers are especially suspect.).

Connecticut conducted a ground-based survey of black duck and brant concentration areas *only* .

New York survey data from Long Island only. Counts for black ducks and brant are probably reasonable, but are likely too small for other species, especially mallards, canvasbacks, Canada geese and, mute swans.

NUMBERS OF DIVERS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	16,970	0	967	27,141	35,265	12,218	118,839	42,036	990	72,243	8,435	500,624	84,700	196,991	33,250	12,795	630,235	1,793,699
1956	12,139	0	659	28,262	45,528	14,977	147,763	682	150	82,744	2,654	417,483	68,185	63,066	5,045	597	169,372	1,059,306
1957	11,890	0	487	28,237	25,720	14,833	139,029	5,089	1,307	123,996	995	234,900	23,400	58,200	27,400	2,600	432,300	1,130,383
1958	7,805	0	577	23,069	53,390	17,659	192,975	232	1,168	69,481	1,689	143,691	11,509	77,475	27,290	18,441	413,235	1,059,686
1959	13,857	0	530	24,131	42,920	14,273	109,111	345	948	67,873	2,241	124,200	6,200	34,300	32,700	49,100	445,400	968,129
1960	15,768	0	453	31,036	44,442	24,048	142,544	3,507	52	104,123	3,171	184,700	37,300	74,300	43,205	25,718	320,400	1,054,767
1961	11,946	0	1,623	24,316	44,617	12,701	153,742	4,363	600	81,123	5,822	198,900	45,100	107,300	25,100	27,000	493,400	1,237,653
1962	13,900	0	1,100	29,700	39,500	9,900	186,400	3,700	300	96,500	8,500	185,400	55,700	66,700	46,200	10,700	458,500	1,212,700
1963	18,900	0	700	24,800	38,400	10,500	123,069	1,100	1,800	75,300	3,500	249,700	41,720	28,650	87,000	13,320	515,600	1,234,059
1964	15,900	0	1,600	37,600	46,400	16,400	118,500	2,300	1,900	69,000	9,000	315,500	18,100	46,000	60,100	23,600	747,300	1,529,200
1965	18,200	2,400	400	28,600	19,600	11,000	161,300	2,400	500	73,300	29,200	215,400	44,500	51,100	92,900	31,000	482,200	1,264,000
1966	12,500	3,200	600	31,500	13,000	15,400	87,300	3,000	3,900	106,900	28,700	202,000	90,800	38,300	49,000	83,300	903,700	1,673,100
1967	19,100	2,900	1,100	27,400	47,400	12,600	110,300	2,900	1,100	159,900	8,900	343,700	29,200	96,200	72,200	28,600	345,900	1,309,400
1968	14,500	2,600	700	18,700	16,800	10,700	96,000	2,100	1,300	68,300	19,700	189,300	44,900	58,900	44,400	41,500	356,800	987,200
1969	12,500	1,400	600	21,100	19,900	15,800	96,400	2,700	800	73,300	4,400	237,700	67,700	71,300	38,400	3,000	603,200	1,270,200
1970	12,000	1,900	600	22,500	28,100	20,500	88,700	1,500	600	109,500	6,400	126,900	71,200	53,500	44,000	10,800	222,800	821,500
1971	10,800	2,400	400	10,700	19,600	22,300	114,800	3,600	300	110,500	6,200	210,200	9,700	42,900	37,700	10,400	424,800	1,037,300
1972	11,200	3,900	400	28,700	20,300	19,700	88,900	17,000	200	43,200	13,800	148,400	29,400	33,300	31,800	13,900	355,100	859,200
1973	17,800	700	600	20,200	18,600	22,600	72,900	6,900	300	98,500	16,300	137,200	35,000	31,100	30,100	18,100	312,700	839,600
1974	11,400	2,300	1,400	24,900	12,600	30,000	82,900	3,100	500	75,600	2,200	180,400	48,400	108,300	22,200	22,400	305,300	933,900
1975	21,995	4,296	107	29,136	7,399	35,538	96,470	9,468	194	137,270	9,810	199,600	17,700	56,200	12,100	11,800	422,300	1,071,383
1976	16,328	4,837	344	33,882	19,625	21,333	69,468	9,015	205	161,415	5,289	86,100	24,772	120,200	16,100	13,700	147,100	749,713
1977	16,644	610	88	34,411	19,268	44,035	64,003	13,749	11	108,700	7,795	97,800	59,708	153,500	30,400	42,200	272,700	965,622
1978	13,936	3,309	65	31,628	14,793	29,332	53,639	19,062	0	48,850	4,596	114,200	56,239	155,600	18,300	4,600	199,800	767,949
1979	9,854	2,279	276	39,440	21,802	18,950	33,955	15,305	122	143,240	5,149	128,500	44,562	299,700	16,900	15,600	96,700	892,334
1980	11,795	8,169	1,295	29,486	3,458	6,609	35,542	18,552	356	111,520	7,957	45,900	79,138	194,400	8,000	51,400	283,200	896,777
1981	15,532	223	186	29,018	17,428	22,982	98,514	5,569	116	97,190	3,545	66,800	53,516	190,300	7,600	46,700	173,250	828,469
1982	8,100	900	900	30,700	19,800	16,300	68,700	4,700	100	81,100	2,400	55,700	74,300	100,900	11,400	23,400	344,900	844,300
1983	15,000	2,400	300	21,800	6,900	9,600	54,800	3,400	0	117,900	1,300	106,000	40,800	46,500	7,500	8,200	290,000	732,400
1984	12,200	300	200	21,900	13,600	6,600	63,800	5,400	200	125,900	5,700	129,200	65,000	95,400	21,000	5,000	263,500	834,900
1985	13,300	1,100	200	21,400	4,800	9,400	74,000	6,600	0	142,300	5,100	69,100	46,800	86,500	6,600	20,300	245,900	753,400
1986	9,500	5,100	0	29,600	40,000	3,600	33,600	11,800	100	92,000	1,000	72,000	28,500	109,500	23,100	11,600	277,200	748,200
1987	12,100	2,200	800	32,300	10,800	4,800	53,800	9,400	0	73,000	900	113,700	41,400	99,000	7,900	15,600	252,900	730,600
1988	12,700	400	700	28,200	5,200	9,400	72,500	3,700	0	86,700	4,400	62,500	55,984	56,500	27,600	43,100	202,400	671,984
1989	8,592	2,906	662	24,540	7,633	1,980	56,455	11,238	73	93,800	539	91,954	45,123	55,730	58,351	89,003	307,067	855,646
1990	13,893	297	505	34,272	11,311	3,502	55,535	6,410	49	77,200	1,630	81,337	47,997	60,287	18,665	20,817	498,055	931,762
1991	10,087	734	671	17,080	18,592	5,614	64,015	5,959	23	126,400	1,760	163,924	65,600	49,136	35,236	140,697	376,269	1,081,797
1992	9,157	1,877	110	18,890	6,045	2,534	53,596	8,521	41	99,355	4,767	94,047	40,808	88,512	21,540	19,876	381,161	850,837
1993	7,790	2,311	313	26,994	12,250	2,655	64,935	1,085	153	35,264	1,233	168,790	53,851	51,120	116,637	38,207	483,986	1,067,574
1994	8,096	300	443	18,490	3,561	2,580	90,284	1,460	21	111,004	2,046	129,007	34,966	65,711	55,961	66,809	586,026	1,176,765
1995	13,667	1,114	750	23,655	3,507	15,547	56,239	1,971	54	91,136	2,523	156,345	52,735	64,341	27,703	20,202	1,036,434	1,567,923
1996	7,441	270	594	13,515	12,977	24,106	53,057	109	97	36,938	2,686	120,800	70,201	104,091	84,221	12,792	350,594	894,489
1997*	9,779	2,107	156	16,465	7,327	10,446	71,368	1,258	156	73,975	7,344	140,117	46,646	36,136	32,300	41,241	405,235	902,056
1998	14,394	97	1,330	17,266	1,741	12,666	89,236	932	179	67,540	7,290	191,116	58,529	91,107	50,451	10,410	361,946	976,230
1999	16,345	762	65	18,569	13,470	3,704	100,106	737	127	106,715	6,234	229,735	58,390	98,477	11,739	13,504	260,621	939,300
2000**	8,434	1,305	1,165	25,700	3,432	9,419	79,161	1,097	271	39,710	9,449	241,068	97,609	40,534	16,853	11,831	355,508	942,546

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NUMBERS OF DIVERS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	8,262	662	1,312	12,600	1,593	4,516	76,433	313	283	72,480	1,266	219,576	55,754	98,524	56,389	19,919	341,690	971,572
2002	13,415	1,585	1,697	27,643	1,404	2,566	47,542	1,917	154	71,340	7,283	310,052	57,394	98,326	14,531	9,350	196,924	863,123
2003**	9,526	1,261	100	18,115	4,524	8,530	39,068	309	154	65,630	10,423	169,946	64,915	103,418	26,643	12,981	123,209	658,752
2004**	10,795	3,692	33	7,484	4,805	3,372	42,949	606	30	41,060	1,760	188,158	104,626	64,710	30,482	5,841	298,041	808,444
2005**	11,903	3,196	207	12,381	2,513	7,743	67,304	2,499	23	89,765	4,332	300,473	50,791	49,340	22,912	13,724	NS**	639,106
2006**	12,837	3,872	1,547	18,019	5,793	8,136	106,569	494	118	69,050	2,812	140,161	52,546	63,093	23,377	11,857	NS**	520,281
2007**	13,244	NS**	70	13,594		8,640	37,135	332	64	53,080	5,158	73,786	64,553	92,483	18,387	7,415	NS**	387,941
2008**	14,893	2,495	1,877	17,898	4,526	10,361	25,446	396	83	109,550	4,234	232,948	91,025	86,948		14,727		617,407
AVERAGES:																		
55-60	13,072	0	612	26,979	41,211	16,335	141,710	8,649	769	86,743	3,198	267,600	38,549	84,055	28,148	18,209	401,824	1,177,662
61-65	15,769	480	1,085	29,003	37,703	12,100	148,602	2,773	1,020	79,045	11,204	232,980	41,024	59,950	62,260	21,124	539,400	1,295,522
66-70	14,120	2,400	720	24,240	25,040	15,000	95,740	2,440	1,540	103,580	13,620	219,920	60,760	63,640	49,600	33,440	486,480	1,212,280
71-75	14,639	2,719	581	22,727	15,700	26,028	91,194	8,014	299	93,014	9,662	175,160	28,040	54,360	26,780	15,320	364,040	948,277
76-80	13,711	3,841	414	33,769	15,789	24,052	51,321	15,137	139	114,745	6,157	94,500	52,884	184,680	17,940	25,500	199,900	854,479
81-85	12,826	985	357	24,964	12,506	12,976	71,963	5,134	83	112,878	3,609	85,360	56,083	103,920	10,820	20,720	263,510	798,694
86-90	11,357	2,181	533	29,782	14,989	4,656	54,378	8,510	44	84,540	1,694	84,298	43,801	76,203	27,123	36,024	307,524	787,638
91-95	9,759	1,267	457	21,022	8,791	5,786	65,814	3,799	58	92,632	2,466	142,423	49,592	63,764	51,415	57,158	572,775	1,148,979
96-2000	11,279	908	662	18,303	7,789	12,068	78,586	827	166	64,976	6,601	184,567	66,275	74,069	39,113	17,956	346,781	930,924
2001-05	10,780	2,079	670	15,645	2,968	5,345	54,659	1,129	129	68,055	5,013	237,641	66,696	82,864	30,191	12,363	239,966	788,199
2006-08	13,658	3,184	1,165	16,504	5,160	9,046	56,383	407	88	77,227	4,068	148,965	69,375	80,841	20,882	11,333	#DIV/0!	508,543

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997. C:\Data book\Atlantic\Midwinter indices\ducks.xls Sheet: DIVERS Revision JDK 7/17/2008

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NUMBERS OF CANADA GEESE OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	130	0	1,331	4,486	0	13	3,099	1,687	46	2,468	2,756	260,333	55,235	155,700	3,200	950	19,145	510,579
1956	2	0	224	3,302	175	222	1,810	2,317	2	1,737	4,737	223,816	50,700	185,868	6,135	141	25,750	506,938
1957	0	0	1,050	4,914	105	35	2,856	2,546	136	3,238	6,842	180,800	30,600	103,100	7,600	0	18,600	362,422
1958	0	0	1,515	3,817	110	139	3,093	1,665	0	1,355	2,789	95,510	27,770	146,875	11,275	206	17,815	313,934
1959	166	0	265	3,240	190	77	1,819	3,020	0	1,235	11,949	69,200	27,000	152,000	11,800	0	13,000	294,961
1960	0	0	500	5,100	300	200	3,400	3,100	0	1,000	14,100	137,700	31,500	148,200	19,400	0	11,100	375,600
1961	200	0	1,100	5,900	300	100	1,900	1,200	0	1,400	22,200	241,300	49,900	189,100	15,800	200	8,200	538,800
1962	200	0	1,900	8,300	100	600	3,900	2,400	0	2,100	24,400	192,900	26,200	128,100	16,400	100	8,300	415,900
1963	200	0	100	6,600	500	300	1,900	3,300	0	3,100	23,900	196,600	49,700	149,500	33,600	200	7,000	476,500
1964	200	0	1,600	10,800	100	700	2,800	4,600	0	3,300	39,200	221,900	31,300	162,200	44,400	600	4,400	528,100
1965	100	0	2,500	8,000	400	300	3,100	3,800	0	3,400	48,500	242,000	36,600	99,500	26,800	500	7,000	482,500
1966	0	0	2,000	7,800	400	700	3,000	6,400	0	3,600	52,000	352,700	44,000	91,500	29,900	200	6,000	600,200
1967	500	0	2,600	11,700	600	200	2,700	6,800	0	4,900	83,500	356,900	35,600	65,900	25,300	500	6,300	604,000
1968	300	0	1,900	9,500	500	500	3,600	6,100	100	5,200	38,700	403,000	53,700	71,100	15,200	200	5,600	615,200
1969	700	0	1,200	9,300	500	1,000	5,200	8,600	0	4,600	60,500	408,800	68,100	92,500	12,400	500	4,900	678,800
1970	300	0	900	8,100	1,100	300	5,300	9,100	100	5,100	64,000	462,000	130,300	71,000	15,000	500	2,100	775,200
1971	400	0	1,700	7,600	1,500	1,700	4,700	17,600	300	5,500	64,100	437,300	45,600	76,900	7,900	300	1,900	675,000
1972	600	600	5,300	14,300	1,500	1,900	29,900	26,300	200	4,100	85,900	445,000	38,500	36,400	8,400	400	900	700,200
1973	370	50	2,493	5,955	1,659	1,852	11,126	27,904	239	6,770	90,410	463,300	41,151	49,410	7,267	230	1,500	711,686
1974	560	0	2,944	10,849	1,530	1,204	4,324	40,692	561	6,895	41,700	532,500	53,878	55,900	14,000	288	2,425	770,250
1975	903	4	647	15,032	1,510	1,845	9,244	71,085	553	10,855	38,750	551,600	36,450	65,810	13,700	217	1,525	819,730
1976	647	0	477	13,571	6,044	1,761	11,441	38,291	282	15,405	61,245	491,397	64,268	61,750	13,929	300	1,225	782,033
1977	676	200	147	7,957	2,298	1,102	8,450	42,341	364	16,860	134,435	535,800	90,931	67,900	2,714	261	1,175	913,611
1978	877	0	110	10,426	2,809	1,323	14,588	65,387	0	13,225	86,239	503,900	71,127	55,500	5,125	100	1,130	831,866
1979	710	583	840	12,985	5,417	1,291	14,085	27,561	580	22,885	47,677	573,000	47,890	42,100	6,020	603	1,325	805,552
1980	783	951	2,805	10,933	3,136	4,279	34,768	29,239	611	46,570	45,951	490,697	59,925	28,600	7,665	706	535	768,154
1981	197	0	628	6,588	4,687	1,501	36,540	32,573	1,132	23,185	76,073	607,700	93,770	47,700	10,884	275	780	944,213
1982	766	600	3,749	10,137	4,500	1,100	38,978	22,211	747	38,700	34,100	432,200	67,800	37,400	8,313	982	200	702,483
1983	1,141	2,860	2,762	10,087	3,707	3,200	83,900	19,000	538	52,900	43,500	567,200	56,600	35,800	4,781	783	500	889,259
1984	542	194	2,483	9,534	6,330	1,309	58,400	36,120	1,200	56,300	65,800	457,200	92,800	26,600	6,371	521	125	821,829
1985	982	85	3,108	10,497	6,274	3,187	52,565	57,900	920	56,105	31,700	486,000	81,747	19,100	2,512	928	500	814,110
1986	930	0	2,875	14,705	8,913	6,822	45,065	32,585	1,186	97,000	41,000	544,600	82,314	22,800	2,694	1,380	500	905,369
1987	1,408	1,713	1,708	13,365	6,950	5,575	76,907	37,225	1,231	90,200	52,200	377,900	62,661	20,131	2,580	2,090	500	754,344
1988	1,570	1,020	800	18,145	6,806	1,549	49,671	77,625	1,513	101,300	30,700	312,000	114,802	21,380	2,248	2,160	400	743,689
1989	1,106	1,940	794	12,455	4,510	5,526	115,574	34,574	1,339	108,500	33,266	263,389	56,517	13,194	1,257	2,221	0	656,162
1990	598	425	260	10,848	3,984	2,480	112,369	72,395	3,181	124,100	44,949	250,934	86,432	31,097	2,263	1,528	184	748,027
1991	1,469	455	1,321	9,555	4,256	4,562	75,546	43,178	2,219	129,700	40,300	331,923	56,105	17,879	1,603	2,275	50	722,396
1992	1,121	852	1,440	10,580	5,154	4,100	84,342	20,894	1,863	111,405	41,653	305,686	43,851	19,454	1,280	1,903	0	655,578
1993	1,077	1,968	1,454	10,803	3,376	4,858	90,841	22,215	2,818	107,044	27,371	234,428	45,107	12,990	1,196	1,685	4	569,235
1994	452	573	2,268	10,125	8,400	4,544	64,283	40,790	8,087	193,029	38,901	260,264	39,306	13,016	1,199	2,370	0	687,607
1995	2,280	607	3,110	9,450	4,767	5,314	71,187	24,195	4,392	161,145	54,306	259,169	42,180	7,654	1,310	1,617	0	652,683
1996	1,090	0	897	7,405	5,506	3,043	72,047	40,244	7,594	128,860	50,450	294,976	52,753	11,261	1,491	336	8	677,961
1997*	1,911	430	4,215	12,540	2,702	7,522	171,616	35,657	3,819	181,704	25,916	217,651	47,853	7,143	1,057	0	9	721,745
1998	1,986	935	4,736	16,057	2,225	11,480	67,382	33,350	4,459	174,344	51,602	275,091	63,588	11,046	848	263	0	719,392
1999	3,071	1,395	2,650	12,885	5,838	10,654	41,171	44,821	4,447	280,245	111,566	396,739	96,800	14,705	1,195	972	55	1,029,209
2000**	3,139	1,626	1,993	13,650	2,579	12,536	50,227	29,388	3,888	184,995	60,837	396,360	84,699	14,924	1,231	1,809	6	863,887

Continued on next page

NUMBERS OF CANADA GEESE OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	2,769	10	2,139	10,191	1,674	16,300	78,450	48,198	10,401	196,278	123,431	448,272	99,861	16,771	1,201	2,613	11	1,058,570
2002	3,377	1,821	3,382	11,520	2,135	8,357	109,039	52,910	7,666	241,328	62,154	426,847	97,478	19,702	1,499	1,470	13	1,050,698
2003**	2,603	684	1,413	13,545	2,562	14,009	46,231	49,456	3,743	275,995	105,197	452,911	93,462	13,685	2,012	636	0	1,078,144
2004**	2,290	5	2,713	7,377	4,642	3,860	127,126	40,681	2,934	152,597	89,472	355,244	108,960	12,692	1,524	830	10	912,957
2005**	3,489	185	2,736	11,090	3,023	7,517	67,456	32,411	1,145	196,395	68,555	383,379	82,745	10,646	1,468	1,030	NS**	873,270
2006**	3,338	25	3,413	10,858	3,025	10,045	93,205	42,479	3,800	160,185	117,657	305,373	110,376	14,228	1,469	1,002	NS**	880,478
2007**	3,961	NS**	2,473	12,452		5,569	6,750	34,341	5,572	116,160	57,005	285,659	116,684	13,179	1,454	698	NS**	661,957
2008**	4,487	2	4,203	12,243	2,469	6,825	3,408	36,457	3,466	144,400	67,795	373,057	109,882	16,517	NS	793	NS**	786,004
AVERAGES:																		
55-60	50	0	814	4,143	147	114	2,680	2,389	31	1,839	7,196	161,227	37,134	148,624	9,902	216	17,568	394,072
61-65	180	0	1,440	7,920	280	400	2,720	3,060	0	2,660	31,640	218,940	38,740	145,680	27,400	320	6,980	488,360
66-70	360	0	1,720	9,280	620	540	3,960	7,400	40	4,680	59,740	396,680	66,340	78,400	19,560	380	4,980	654,680
71-75	567	131	2,617	10,747	1,540	1,700	11,859	36,716	371	6,824	64,172	485,940	43,116	56,884	10,253	287	1,650	735,373
76-80	739	347	876	11,174	3,941	1,951	16,666	40,564	367	22,989	75,109	518,959	66,828	51,170	7,091	394	1,078	820,243
81-85	726	748	2,546	9,369	5,100	2,059	54,077	33,561	907	45,438	50,235	510,060	78,543	33,320	6,572	698	421	834,379
86-90	1,122	1,020	1,287	13,904	6,233	4,390	79,917	50,881	1,690	104,220	40,423	349,765	80,545	21,720	2,208	1,876	317	761,518
91-95	1,280	891	1,919	10,103	5,191	4,676	77,240	30,254	3,876	140,465	40,506	278,294	45,310	14,199	1,318	1,970	11	657,500
96-2000	2,239	877	2,898	12,507	3,770	9,047	80,489	36,692	4,841	190,030	60,074	316,163	69,139	11,816	1,164	676	16	802,439
2001-05	2,906	541	2,477	10,745	2,807	10,009	85,660	44,731	5,178	212,519	89,762	413,331	96,501	14,699	1,541	1,316	9	994,728
2006-08	3,929	14	3,363	11,851	2,747	7,480	34,454	37,759	4,279	140,248	80,819	321,363	112,314	14,641	1,462	831	#DIV/0!	776,146

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997. C:\Data book\Atlantic\Midwinter indices\Geese.xls Sheet: CAGO Revision JDK 7/17/2008

** Estimates for some states and the Flyway are not comparable with other years.

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Connecticut conducted a ground-based survey of black duck and brant concentration areas *only*.

New York survey data from Long Island only. Counts for black ducks and brant are probably reasonable, but are likely too small for other species, especially mallards, canvasbacks, Canada geese and, mute swans.

NUMBERS OF SNOW GEESE OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	0	0	0	1	0	0	1	0	0	15,000	0	17	0	31,175	10	0	22	46,226
1956	0	0	0	0	0	0	0	0	0	6,200	0	4,219	0	24,228	27	0	100	34,774
1957	0	0	0	0	0	0	0	0	3	485	0	4,000	4,000	26,300	0	0	0	34,788
1958	0	0	0	0	0	0	0	0	0	19	0	8	3,555	42,710	0	0	8	46,300
1959	0	0	0	0	0	0	0	0	0	273	0	0	18,700	18,500	0	0	0	37,473
1960	0	0	0	0	0	0	0	0	0	3,400	0	2,000	14,300	41,000	0	0	0	60,700
1961	0	0	0	0	0	0	0	0	0	1,700	0	2,100	22,400	40,900	0	0	0	67,100
1962	0	0	0	0	0	0	0	0	0	3,500	0	0	20,800	25,100	300	0	0	49,700
1963	0	0	0	0	0	0	0	0	0	0	0	0	3,700	61,200	0	0	0	64,900
1964	0	0	0	0	0	0	0	0	0	0	0	500	29,900	29,300	0	0	0	59,700
1965	0	0	0	0	0	0	0	0	0	3,100	1,100	0	33,000	9,300	0	0	0	46,500
1966	0	0	0	0	0	0	0	0	0	8,000	900	200	32,900	1,300	100	0	0	43,400
1967	0	0	0	0	0	0	0	0	0	1,200	200	3,800	16,900	37,500	300	0	0	59,900
1968	0	0	0	0	0	0	0	0	0	300	100	100	20,900	28,900	200	0	0	50,500
1969	0	0	0	0	0	0	0	0	0	500	0	100	33,500	28,700	0	0	0	62,800
1970	0	0	0	0	0	0	0	100	0	1,700	0	500	6,000	21,100	100	0	0	29,500
1971	0	0	0	0	0	0	0	0	0	4,500	1,000	1,100	12,800	29,000	100	0	0	48,500
1972	0	0	0	0	0	0	0	0	0	23,200	6,700	500	12,600	38,000	100	0	0	81,100
1973	0	0	0	0	0	3	0	10	2	14,650	0	194	2,937	41,700	300	4	25	59,825
1974	0	0	0	0	0	0	77	7	0	37,625	2,900	4,696	21,840	28,900	400	8	25	96,478
1975	0	0	0	0	0	4	0	27	0	28,330	3,405	6,399	12,500	20,500	1,100	23	100	72,388
1976	0	0	0	0	2	0	0	13	0	25,710	5,110	4,294	25,324	54,850	2,900	25	50	118,278
1977	0	0	0	0	0	0	4	1	0	2,400	1,660	22,794	52,319	52,300	178	21	50	131,727
1978	0	0	0	0	0	0	0	11	0	2,150	2,990	15,097	24,183	30,300	0	25	107	74,863
1979	0	0	0	0	0	0	0	12	0	6,285	1,052	21,189	27,410	34,900	1,100	51	50	92,049
1980	0	0	0	0	0	0	2	9	0	29,135	2,450	26,091	30,874	16,300	800	5	90	105,756
1981	0	0	49	0	0	0	2	24	0	640	0	13,699	21,535	45,900	0	0	50	81,899
1982	0	0	0	0	0	0	0	15	0	4,400	252	33,700	10,000	25,200	99	0	25	73,691
1983	0	0	0	0	0	0	0	0	0	2,200	8,062	46,300	13,200	13,400	1,010	0	50	84,222
1984	0	0	0	0	0	0	0	3	0	800	14,710	48,300	19,600	16,000	518	1	0	99,932
1985	0	0	0	0	0	0	4	8	0	32,250	6,755	86,200	40,941	26,900	800	0	75	193,933
1986	0	0	0	0	0	0	1	6	1	6,200	15,869	53,800	6,460	16,300	1,039	0	50	99,726
1987	0	0	0	0	0	0	0	1	0	27,900	9,270	50,300	2,157	12,551	530	0	0	102,709
1988	0	0	0	0	0	0	20	6	0	41,200	17,596	61,400	60,241	16,785	303	0	37	197,588
1989	0	0	0	0	0	0	71	7	0	34,000	7,615	104,960	14,070	24,545	993	0	0	186,261
1990	0	1	0	0	0	0	0	1	0	80,200	93,735	11,233	7,521	38,120	431	0	0	231,242
1991	0	0	0	0	0	0	4	8	0	67,000	25,700	78,285	10,342	17,329	350	0	0	199,018
1992	0	0	0	0	0	0	130	6	0	128,580	45,328	63,426	18,908	19,125	500	0	0	276,003
1993	0	0	0	0	0	0	461	1	2	50,037	64,222	43,288	3,900	19,460	352	5	0	181,728
1994	0	2	0	0	0	0	10	182	0	71,253	70,806	53,551	3,681	19,685	352	7	28	219,557
1995	0	0	0	0	0	0	602	12,202	2	41,046	149,665	124,745	7,855	16,827	506	1	1	353,452
1966	0	1	0	0	0	0	501	58	8	106,481	27,130	45,857	24,145	18,173	503	0	0	222,857
1997*	0	0	0	0	0	0	715	11,695	3	23,925	147,975	114,390	10,700	11,862	413	0	6	321,684
1998	0	0	0	0	0	0	756	10,463	0	92,525	134,525	93,025	11,987	16,080	2	0	0	359,363
1999	0	2	0	0	0	0	416	9,023	2	137,655	61,549	110,917	34,080	20,706	407	15	13	374,785
2000**	0	3	0	20	0	0	1,010	1,400	0	87,700	185,142	150,741	16,200	22,149	411	1	4	464,781

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NUMBERS OF SNOW GEESE OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	0	0	0	0	0	0	3	0	2	19,375	168,591	64,049	13,521	14,210	433	0	0	280,184
2002	0	0	0	85	0	0	1,414	4,347	0	122,450	116,134	92,458	17,327	22,883	668	0	3	377,769
2003**	0	0	0	4	0	0	1	8,002	0	110,310	166,630	75,582	13,470	27,832	506	0	5	402,342
2004**	0	0	35	0	0	0	1,358	11,100	23	61,340	332,890	93,895	25,004	25,805	634	0	1	552,085
2005**	0	0	0	0	0	0	2,352	9,909	0	172,590	52,186	54,880	23,900	22,201	648	0	NS**	338,666
2006**	0	0	0	5	0	40	1,060	10,314	0	102,050	155,048	49,150	12,871	53,538	649	0	NS**	384,725
2007**	0	NS**	0	0		0	1,700	20,846	0	139,875	193,123	46,580	35,950	52,101	0	0	NS**	490,175
2008**	0	0	0	0	8	0	1,380	13,402	3	139,310	91,652	107,996	15,780	37,655	NS	0	NS**	407,186
AVERAGES:																		
55-60	0	0	0	0	0	0	0	0	1	4,230	0	1,707	6,759	30,652	6	0	22	43,377
61-65	0	0	0	0	0	0	0	0	0	1,660	220	520	21,960	33,160	60	0	0	57,580
66-70	0	0	0	0	0	0	0	20	0	2,340	240	940	22,040	23,500	140	0	0	49,220
71-75	0	0	0	0	0	1	15	9	0	21,661	2,801	2,578	12,535	31,620	400	7	30	71,658
76-80	0	0	0	0	0	0	1	9	0	13,136	2,652	17,893	32,022	37,730	996	25	69	104,535
81-85	0	0	10	0	0	0	1	10	0	8,058	5,956	45,640	21,055	25,480	485	0	40	106,735
86-90	0	0	0	0	0	0	18	4	0	37,900	28,817	56,339	18,090	21,660	659	0	17	163,505
91-95	0	0	0	0	0	0	241	2,480	1	71,583	71,144	72,659	8,937	18,485	412	3	6	245,952
96-2000	0	1	0	4	0	0	680	6,528	3	89,657	111,264	102,986	19,422	17,794	347	3	5	348,694
2001-05	0	0	7	18	0	0	1,026	6,672	5	97,213	167,286	76,173	18,644	22,586	578	0	2	390,209
2006-08	0	0	0	2	4	13	1,380	14,854	1	127,078	146,608	67,909	21,534	47,765	325	0	#DIV/0!	427,362

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997. C:\Data book\Atlantic\Midwinter indices\Geese.xls Sheet: SNGO Revision JDK 7/17/2008

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Connecticut conducted a ground-based survey of black duck and brant concentration areas *only*.
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NUMBERS OF ATLANTIC BRANT OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	0	0	0	500	0	0	19,050	0	0	151,000	0	75	12,700	500	0	0	0	183,825
1956	0	0	0	0	0	0	25,350	0	0	108,100	0	11,300	18,750	435	0	0	0	163,935
1957	0	0	0	14	0	0	9,620	0	0	143,550	342	3,700	4,400	400	0	0	0	162,026
1958	0	0	0	50	0	0	14,550	0	0	184,500	946	7,350	3,486	175	0	0	0	211,057
1959	0	0	0	0	0	0	34,300	0	0	175,400	4,266	800	1,700	1,000	0	0	0	217,466
1960	0	0	0	100	0	0	33,400	0	0	183,200	3,800	1,000	16,400	500	0	0	0	238,400
1961	0	0	0	100	0	0	39,300	0	0	200,800	12,800	2,900	9,100	500	0	0	0	265,500
1962	0	0	0	500	0	0	28,700	100	0	88,800	800	800	4,700	200	0	0	0	124,600
1963	0	0	0	0	0	0	52,800	0	0	109,000	5,600	400	5,500	200	0	0	0	173,500
1964	0	0	0	1,000	0	0	23,900	0	0	143,600	9,200	1,900	2,900	400	0	0	0	182,900
1965	0	0	0	0	0	0	6,500	0	0	165,100	1,200	1,400	7,400	0	0	0	0	181,600
1966	0	0	0	300	0	0	11,000	0	0	151,600	1,100	0	1,400	0	0	0	0	165,400
1967	0	0	0	100	0	0	23,300	0	0	189,100	2,400	100	4,200	0	0	0	0	219,200
1968	0	0	0	100	0	0	15,400	0	0	182,000	1,500	600	13,500	300	100	0	0	213,500
1969	0	0	0	400	0	0	20,000	0	0	78,200	3,100	1,500	27,400	300	0	0	0	130,900
1970	0	0	0	0	0	0	6,700	0	0	96,100	800	300	1,900	700	0	0	0	106,500
1971	0	0	0	100	0	0	12,800	0	0	129,400	1,400	400	6,900	0	0	0	0	151,000
1972	0	0	0	2,900	0	0	14,900	0	0	48,600	700	3,200	2,800	200	0	0	0	73,300
1973	0	0	0	325	0	0	10,581	0	0	22,600	275	400	6,454	160	0	0	0	40,795
1974	0	0	0	797	0	0	21,436	0	0	46,350	1,435	1,200	16,674	200	0	0	0	88,092
1975	0	0	0	523	40	0	24,045	0	0	55,200	500	1	7,700	400	0	0	0	88,409
1976	0	0	0	1,128	0	0	17,040	0	0	99,000	1,135	1,600	6,900	200	0	25	0	127,028
1977	0	0	0	2,549	0	0	13,607	0	0	26,900	6,335	2,200	21,700	500	0	0	0	73,791
1978	0	0	0	3,845	135	136	9,286	0	0	14,600	2,278	1,600	10,810	4,000	0	0	0	46,690
1979	0	0	0	800	0	8	7,035	0	0	31,890	885	100	1,300	0	0	0	0	42,018
1980	0	0	0	3,287	3	0	9,307	0	0	31,570	3,269	2,300	7,958	1,500	0	1	0	59,195
1981	0	0	0	3,992	80	212	16,653	0	0	53,605	2,817	400	11,769	7,500	0	0	0	97,028
1982	0	0	0	1,707	300	0	14,925	0	0	63,000	2,600	1,000	17,500	3,400	0	0	100	104,532
1983	0	0	0	1,415	50	0	12,600	0	0	76,100	100	3,800	28,400	1,000	0	0	0	123,465
1984	0	0	0	2,407	200	310	2,500	0	0	89,800	1,400	1,400	29,000	300	0	0	0	127,317
1985	0	0	0	1,130	0	360	8,715	0	0	91,500	3,200	2,000	37,020	2,400	0	0	0	146,325
1986	0	0	0	935	720	100	4,503	0	0	69,400	400	0	33,810	500	0	0	0	110,368
1987	0	0	0	2,290	4	0	16,144	0	0	80,800	0	0	10,155	50	0	0	0	109,443
1988	0	0	0	935	2	227	15,710	0	0	89,400	1,000	100	23,330	479	0	0	0	131,183
1989	0	0	0	2,265	370	0	10,873	0	0	90,300	1,800	3,819	26,765	1,745	2	0	0	137,939
1990	0	0	0	985	175	500	18,950	0	0	89,000	1,965	2,853	18,511	2,420	85	0	0	135,444
1991	0	0	0	1,355	35	0	21,925	0	0	98,200	300	1,450	22,774	1,705	0	0	0	147,744
1992	0	0	0	920	160	100	22,321	0	0	144,315	357	581	12,988	3,038	0	0	0	184,780
1993	12	0	0	2,305	70	900	24,937	0	0	49,774	350	890	21,338	27	24	0	0	100,627
1994	10	0	0	1,715	0	0	12,919	0	0	122,260	1,300	1,460	16,357	1,138	0	0	0	157,159
1995	0	0	0	655	0	825	22,659	0	0	116,310	1,320	1,150	5,253	0	0	0	0	148,172
1996	13	0	0	1,035	185	1,500	13,941	0	0	75,065	4,050	1,272	8,036	806	0	0	0	105,903
1997*	15	0	0	1,365	375	2,025	23,572	0	0	87,240	1,350	650	12,470	0	0	0	0	129,062
1998	0	0	0	1,856	6	2,740	37,782	0	0	67,285	0	1,980	26,325	0	0	0	0	137,974
1999	21	0	0	1,280	0	0	29,397	0	0	120,865	1,970	537	17,550	8	0	0	0	171,628
2000**	0	0	0	2,365	132	1,010	17,874	0	0	120,225	0	400	15,150	0	0	0	0	157,156

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NUMBERS OF ATLANTIC BRANT OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	0	0	0	2,204	465	1,445	25,201	2	0	96,685	3,657	925	14,677	0	0	0	0	145,261
2002	0	0	0	3,025	500	940	37,675	0	0	124,590	0	535	14,355	0	0	0	11	181,631
2003**	0	0	0	1,821	77	3,165	22,222	0	0	118,005	601	1,510	17,125	0	0	0	0	164,526
2004**	4	0	0	1,989	1,548	401	20,748	0	0	83,850	2,271	1,295	17,480	0	0	0	4	129,590
2005**	0	0	0	875	1,415	634	24,759	0	0	73,805	1,400	1,723	18,635	2	0	0	NS**	123,248
2006**	0	0	0	1,760	1,002	1,750	60,324	0	0	63,815	2,145	2,353	13,122	368	0	0	NS**	146,639
2007**	0	NS**	0	2,018	1,328	1,500	65,745	0	0	67,305	1,378	505	8,906	1,874	0	0	NS**	150,559
2008**	6	0	0	2,916	1,214	1,257	56,115	0	0	88,190	1,300	1,400	7,760	1,460	NS	0	NS**	161,618
AVERAGES:																		
55-60	0	0	0	111	0	0	22,712	0	0	157,625	1,559	4,038	9,573	502	0	0	0	196,118
61-65	0	0	0	320	0	0	30,240	20	0	141,460	5,920	1,480	5,920	260	0	0	0	185,620
66-70	0	0	0	180	0	0	15,280	0	0	139,400	1,780	500	9,680	260	20	0	0	167,100
71-75	0	0	0	929	8	0	16,752	0	0	60,430	862	1,040	8,106	192	0	0	0	88,319
76-80	0	0	0	2,322	28	29	11,255	0	0	40,792	2,780	1,560	9,734	1,240	0	5	0	69,744
81-85	0	0	0	2,130	126	176	11,079	0	0	74,801	2,023	1,720	24,738	2,920	0	0	20	119,733
86-90	0	0	0	1,482	254	165	13,236	0	0	83,780	1,033	1,354	22,514	1,039	17	0	0	124,875
91-95	4	0	0	1,390	53	365	20,952	0	0	106,172	725	1,106	15,742	1,182	5	0	0	147,696
96-2000	8	0	0	1,684	194	1,453	24,628	0	0	94,561	1,838	961	15,701	136	0	0	0	141,164
2001-05	1	0	0	1,983	801	1,317	26,121	0	0	99,387	1,586	1,198	16,454	0	0	0	4	148,851
2006-08	2	0	0	2,231	1,181	1,502	60,728	0	0	73,103	1,608	1,419	9,929	1,234	0	0	#DIV/0!	152,939

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997. C:\Data book\Atlantic\Midwinter indices\Geese.xls Sheet: ATBR Revision JDK 7/17/2008

** Estimates for some states and the Flyway are not comparable with other years.

2000: Estimates for portions of some states (CT, NY) based on previous 3-year average.

2001: Estimates for portions of FL based on previous 3-year average.

2003: Florida data are incomplete. Data from the USFWS Redhead Survey areas are unavailable.

2004: No survey conducted in Florida. Estimates for Florida based on 2000-2002 average.

2005, 2006: No survey conducted in Florida.

2007: No survey conducted in Vermont or Florida (Totals for mottled ducks, whistling ducks, blue-winged teal, redheads, scaup, ring-necked ducks, and to a lesser extent, wigeon and shovelers are especially suspect.).
Connecticut conducted a ground-based survey of black duck and brant concentration areas *only*.
New York survey data from Long Island only. Counts for black ducks and brant are probably reasonable, but are likely too small for other species, especially mallards, canvasbacks, Canada geese and, mute swans.

NUMBERS OF TUNDRA OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	0	0	0	0	0	0	0	118	0	7	1	71,604	4,250	13,686	15	0	0	89,681
1956	0	0	0	0	0	0	0	18	0	0	4	20,002	7,325	11,347	3	0	0	38,699
1957	0	0	0	6	0	0	0	0	3	8	7	35,200	600	4,400	0	0	0	40,224
1958	0	0	0	0	0	0	365	4	0	14	0	17,012	1,387	9,389	10	0	0	28,181
1959	0	0	0	0	0	0	6	0	0	11	0	15,200	3,500	9,000	0	0	0	27,717
1960	0	0	0	0	0	0	0	0	0	0	0	23,200	5,100	12,800	0	0	0	41,100
1961	0	0	0	0	0	0	0	0	0	0	0	36,200	9,500	16,800	0	0	0	62,500
1962	0	0	0	0	0	0	0	100	0	0	0	25,600	4,500	9,200	0	0	0	39,400
1963	0	0	0	0	0	0	0	0	0	100	0	35,800	12,500	13,000	0	0	0	61,400
1964	0	0	0	100	0	0	0	0	0	100	0	37,300	100	24,500	0	0	0	62,100
1965	0	0	0	0	0	0	0	0	0	100	0	45,400	600	7,900	0	0	0	54,000
1966	0	0	0	0	0	0	0	100	0	100	0	45,300	1,400	10,900	0	0	0	57,800
1967	0	0	0	0	0	0	0	0	0	0	100	52,200	1,200	18,500	0	0	0	72,000
1968	0	0	0	0	0	0	0	0	0	100	0	26,000	2,300	17,200	0	0	0	45,600
1969	0	0	0	0	0	0	0	0	0	0	0	36,400	0	25,800	0	0	0	62,200
1970	0	0	0	0	0	0	0	0	0	100	0	34,100	5,800	15,000	0	0	0	55,000
1971	0	0	0	0	0	0	0	0	0	0	0	38,800	3,400	16,000	0	0	0	58,200
1972	0	0	0	0	0	0	0	100	0	400	2,500	39,700	3,100	17,000	0	0	0	62,800
1973	0	0	0	417	0	0	1	263	0	166	51	34,399	2,207	19,000	13	0	0	56,517
1974	0	0	0	0	0	0	1	284	0	162	1,210	32,398	4,659	25,100	13	0	0	63,827
1975	0	0	0	0	0	0	2	322	0	570	395	36,095	2,097	26,600	0	2	0	66,083
1976	0	0	0	0	0	0	7	614	0	300	395	28,492	7,109	30,800	11	0	0	67,728
1977	0	0	0	0	0	0	0	70	0	315	435	27,597	4,485	43,300	36	0	0	76,238
1978	0	0	0	0	0	0	0	1,576	0	1,300	1,715	34,996	6,857	23,800	0	0	0	70,244
1979	0	0	0	0	0	0	4	599	0	2,710	61	34,495	8,405	30,500	52	0	0	76,826
1980	0	0	0	0	0	0	37	217	0	527	1,566	29,994	8,350	19,100	66	0	0	59,857
1981	0	0	0	0	0	0	3	1,260	0	725	959	29,996	13,122	46,600	100	0	0	92,765
1982	0	0	0	0	0	0	0	242	0	900	0	19,600	9,800	42,200	165	0	0	72,907
1983	0	0	0	0	0	0	0	800	0	1,800	3,000	23,000	5,600	52,200	64	0	0	86,464
1984	0	0	0	209	0	0	0	100	0	600	0	29,002	7,000	44,100	199	0	25	81,235
1985	0	0	0	0	0	0	0	340	0	1,230	100	23,500	6,965	61,500	269	5	0	93,909
1986	0	0	0	0	0	0	0	756	0	800	400	30,020	6,378	52,300	86	1	25	90,766
1987	0	0	0	0	0	0	0	5,105	1	4,000	1,400	25,700	4,685	53,543	70	0	0	94,504
1988	0	0	0	0	0	0	13	5	0	2,800	0	22,100	5,291	46,805	96	0	0	77,110
1989	0	0	0	0	0	0	0	502	0	2,300	175	28,542	5,927	52,656	45	3	0	90,150
1990	0	0	0	0	0	0	0	340	0	3,600	90	20,078	6,092	60,238	155	0	0	90,593
1991	0	0	0	0	0	0	0	1,856	0	2,800	121	23,104	4,491	64,999	53	0	0	97,424
1992	0	0	0	0	0	0	35	3,058	0	724	144	22,976	7,207	75,607	37	0	0	109,788
1993	0	0	0	0	0	0	83	4,868	0	305	72	18,248	7,046	45,930	41	0	0	76,593
1994	0	0	0	0	0	0	8	686	1	1,044	126	18,780	9,132	54,664	86	0	0	84,527
1995	0	0	0	0	0	0	206	2,012	1	770	64	15,578	7,605	53,870	116	0	0	80,222
1996	0	0	0	0	0	0	0	115	4	512	197	16,344	10,945	50,716	188	0	0	79,021
1997*	0	0	0	0	0	0	0	3,515	0	667	594	12,238	11,211	57,730	165	0	0	86,120
1998	0	0	0	0	0	0	139	1,949	0	495	1,171	21,563	7,186	63,761	280	0	0	96,544
1999	0	0	0	0	0	0	0	553	0	935	76	15,557	8,814	83,106	0	0	0	109,041
2000**	0	0	0	0	0	0	0	1,106	0	130	1,497	15,609	7,596	77,044	100	0	0	103,082

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NUMBERS OF TUNDRA OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2008

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
Continued from previous page																		
2001**	0	0	0	0	0	0	99	363	24	197	72	20,798	9,428	66,966	220	0	0	98,167
2002	0	4	0	0	0	0	116	1,098	3	473	920	16,610	5,994	78,394	222	0	0	103,834
2003**	0	0	0	0	0	0	205	548	0	105	802	15,112	7,725	83,351	339	0	0	108,187
2004**	0	0	0	0	0	0	8	1,261	0	495	667	17,891	7,173	67,188	292	0	0	94,975
2005**	0	0	0	0	0	0	132	786	0	205	387	13,248	6,488	47,364	125	0	NS**	68,735
2006**	0	0	0	0	0	0	399	2,464	2	165	147	8,239	4,576	54,064	398	0	NS**	70,454
2007**	0	NS**	0	0		0	0	363	0	290	520	8,656	4,979	72,653	379	0	NS**	87,840
2008**	0	0	0	0	0	0	0	1,178	4	332	651	10,580	6,738	69,023	NS	0	NS**	88,506
AVERAGES:																		
55-60	0	0	0	1	0	0	62	23	1	7	2	30,370	3,694	10,104	5	0	0	44,267
61-65	0	0	0	20	0	0	0	20	0	60	0	36,060	5,440	14,280	0	0	0	55,880
66-70	0	0	0	0	0	0	0	20	0	60	20	38,800	2,140	17,480	0	0	0	58,520
71-75	0	0	0	83	0	0	1	194	0	260	831	36,278	3,093	20,740	5	0	0	61,485
76-80	0	0	0	0	0	0	10	615	0	1,030	834	31,115	7,041	29,500	33	0	0	70,179
81-85	0	0	0	42	0	0	1	548	0	1,051	812	25,020	8,497	49,320	159	1	5	85,456
86-90	0	0	0	0	0	0	3	1,342	0	2,700	413	25,288	5,675	53,108	90	1	5	88,625
91-95	0	0	0	0	0	0	66	2,496	0	1,129	105	19,737	7,096	59,014	67	0	0	89,711
96-2000	0	0	0	0	0	0	28	1,448	1	548	707	16,262	9,150	66,471	147	0	0	94,762
2001-05	0	1	0	0	0	0	112	811	5	295	570	16,732	7,362	68,653	240	0	0	94,780
2006-08	0	0	0	0	0	0	133	1,335	2	262	439	9,158	5,431	65,247	389	0		82,267

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997. C:\Data book\Atlantic\Midwinter indices\Geese.xls Sheet: TUSW Revision JDK 7/17/2008

** Estimates for some states and the Flyway are not comparable with other years.

2000: Estimates for portions of some states (CT, NY) based on previous 3-year average.

2001: Estimates for portions of FL based on previous 3-year average.

2003: Florida data are incomplete. Data from the USFWS Redhead Survey areas are unavailable.

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Connecticut conducted a ground-based survey of black duck and brant concentration areas *only*.

New York survey data from Long Island only. Counts for black ducks and brant are probably reasonable, but are likely too small for other species, especially mallards, canvasbacks, Canada geese and, mute swans.

Population estimates (SE) for mallards from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	12,775 (4,297)	45,110 (14,993)	24,315 (4,654)	27,803 (6,163)	8,099 (3,566)	185,616 (20,454)	171,326 (26,278)	46,063 (10,037)	4,795 (2,889)	97,698 (30,619)	38,601 (12,286)	686,562 (49,870)
1994	18,337 (5,543)	37,450 (7,770)	28,421 (5,987)	36,062 (8,130)	2,283 (1,263)	206,872 (23,264)	270,778 (51,384)	48,474 (6,521)	3,460 (1,621)	108,019 (21,680)	85,246 (28,146)	856,313 (62,774)
1995	28,139 (11,207)	35,195 (9,160)	42,957 (5,902)	31,639 (8,016)	3,372 (1,262)	237,910 (35,880)	257,338 (49,393)	56,285 (8,415)	896 (481)	69,171 (18,945)	61,442 (21,995)	864,120 (70,395)
1996	9,154 (3,233)	41,115 (9,690)	38,678 (7,275)	26,806 (4,969)	4,729 (1,560)	241,608 (32,927)	220,148 (33,230)	56,088 (8,753)	407 (288)	78,704 (22,318)	93,437 (31,410)	848,645 (61,074)
1997	26,301 (7,293)	32,120 (8,103)	51,302 (8,940)	28,697 (6,742)	6,165 (2,020)	214,950 (22,671)	223,017 (31,517)	50,757 (9,381)	2,556 (1,554)	57,531 (11,877)	56,425 (15,239)	795,176 (49,596)
1998	15,027 (5,030)	26,166 (5,603)	49,043 (7,328)	26,364 (6,596)	3,692 (1,542)	213,372 (25,960)	191,082 (23,089)	50,416 (6,696)	2,088 (985)	84,390 (21,509)	71,600 (24,987)	775,213 (49,718)
1999	19,315 (6,234)	38,271 (9,340)	53,249 (7,841)	36,053 (9,362)	3,307 (2,210)	223,692 (32,239)	246,359 (35,614)	57,277 (8,009)	4,252 (2,463)	94,877 (26,761)	72,228 (26,846)	879,953 (60,173)
2000	18,036 (5,210)	33,448 (7,483)	44,489 (8,221)	34,276 (8,677)	4,371 (2,043)	228,791 (29,367)	185,318 (28,992)	51,547 (6,138)	2,790 (1,558)	57,989 (15,706)	54,838 (13,534)	762,555 (48,701)
2001	31,290 (8,627)	21,317 (5,976)	50,432 (7,727)	34,121 (6,530)	1,474 (635)	237,501 (32,949)	190,137 (23,647)	50,402 (7,241)	3,543 (1,637)	80,359 (15,570)	69,075 (20,103)	809,438 (51,572)
2002	21,074 (9,420)	33,353 (8,445)	55,150 (9,336)	38,856 (8,202)	3,045 (1,467)	235,999 (30,922)	171,752 (24,458)	61,601 (10,360)	4,351 (3,102)	90,053 (20,221)	81,872 (26,032)	833,514 (56,235)
2003	27,480 (7,703)	25,140 (7,529)	59,764 (9,943)	27,066 (5,471)	2,538 (887)	206,404 (28,009)	170,067 (25,758)	50,656 (6,720)	2,511 (1,538)	49,334 (9,752)	72,799 (29,882)	731,907 (47,025)
2004	38,215 (11,196)	50,812 (14,912)	53,949 (10,807)	39,991 (7,551)	7,728 (3,015)	185,350 (22,579)	177,715 (25,183)	61,517 (10,303)	4,698 (3,555)	56,593 (11,831)	64,383 (20,470)	806,554 (51,747)
2005	19,971 (4,852)	50,781 (14,848)	52,110 (11,191)	29,811 (6,993)	3,268 (1,022)	214,270 (30,979)	197,975 (31,726)	45,237 (8,275)	2,426 (1,462)	43,954 (12,918)	61,613 (21,277)	753,622 (53,619)
2006	25,041 (9,282)	38,277 (9,759)	58,142 (10,582)	34,741 (6,982)	2,538 (1,269)	151,788 (23,478)	174,374 (27,282)	56,134 (8,310)	NS[a]	50,696 (9,052)	70,760 (18,467)	721,402 (47,639)
2007	13,945 (3,988)	38,703 (11,094)	53,786 (10,132)	35,445 (8,098)	4,012 (1,225)	179,102 (22,029)	181,540 (29,509)	52,336 (7,743)	1,153 (726)	35,433 (7,275)	38,060 (13,300)	687,578 (46,724)
2008	21,034 (8,604)	33,294 12,421	48,452 (10,145)	37,633 (7,596)	2,538 (1,269)	184,292 (28,500)	131,477 (18,909)	45,029 (5,936)	5,135 (1,790)	42,610 (7,031)	34,107 (12,161)	619,095 (40,682)

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Breeding pairs estimates (SE) for mallards from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	6,388 (2,149)	22,555 (7,496)	12,137 (2,327)	13,901 (3,082)	4,050 (1,783)	85,188 (9,138)	80,718 (12,462)	22,157 (4,561)	2,398 (1,445)	43,898 (13,536)	15,511 (4,362)	324,020 (23,075)
1994	9,169 (2,771)	18,725 (3,885)	14,211 (2,994)	17,003 (3,743)	1,141 (632)	103,436 (11,632)	135,389 (25,692)	24,237 (3,261)	1,730 (810)	54,010 (10,840)	42,623 (14,073)	427,254 (31,354)
1995	11,614 (3,605)	17,598 (4,580)	21,478 (2,951)	15,065 (3,696)	1,686 (631)	106,384 (12,415)	120,118 (22,611)	27,552 (4,144)	448 (241)	33,206 (9,428)	30,721 (10,997)	404,837 (30,111)
1996	4,577 (1,617)	20,557 (4,845)	19,339 (3,637)	13,403 (2,485)	1,827 (676)	106,960 (12,539)	108,731 (16,612)	27,233 (4,247)	203 (144)	36,448 (10,342)	43,512 (13,535)	403,919 (28,367)
1997	12,424 (3,585)	16,060 (4,052)	24,955 (4,355)	13,091 (3,211)	3,082 (1,010)	101,325 (10,335)	109,767 (15,593)	24,674 (4,280)	1,278 (777)	27,810 (5,872)	27,752 (7,517)	383,296 (23,653)
1998	7,514 (2,515)	13,083 (2,801)	24,522 (3,664)	13,182 (3,298)	1,846 (771)	101,794 (12,286)	92,453 (10,692)	24,492 (3,321)	1,044 (492)	39,364 (10,475)	30,122 (9,570)	374,612 (24,079)
1999	9,658 (3,117)	18,576 (4,680)	24,555 (3,500)	17,397 (4,473)	1,654 (1,105)	95,972 (11,973)	121,515 (17,768)	28,639 (4,004)	2,126 (1,231)	44,717 (12,158)	34,322 (13,087)	421,492 (28,771)
2000	8,728 (2,604)	16,724 (3,742)	22,244 (4,110)	17,014 (4,352)	2,185 (1,021)	102,039 (12,735)	88,443 (12,907)	25,032 (2,823)	1,320 (776)	28,597 (7,844)	20,057 (4,736)	359,398 (22,288)
2001	15,645 (4,313)	11,063 (2,987)	25,216 (3,864)	17,029 (3,265)	737 (318)	110,485 (14,399)	89,243 (10,836)	23,941 (3,251)	1,772 (818)	40,180 (7,785)	29,973 (9,211)	385,824 (23,400)
2002	10,537 (4,710)	16,677 (4,223)	25,084 (3,518)	19,428 (4,101)	1,522 (734)	114,983 (15,141)	84,534 (11,648)	28,933 (4,404)	2,101 (1,549)	43,575 (9,371)	33,911 (11,623)	400,730 (26,599)
2003	13,740 (3,852)	12,570 (3,764)	29,096 (4,759)	13,495 (2,735)	1,269 (443)	96,292 (12,818)	82,302 (12,498)	25,208 (3,360)	1,255 (769)	18,749 (4,124)	32,713 (14,617)	347,309 (22,299)
2004	19,108 (5,598)	25,406 (7,456)	23,566 (4,438)	19,366 (3,613)	3,864 (1,508)	90,629 (10,964)	84,806 (12,051)	30,633 (5,143)	576 (363)	21,086 (4,331)	32,192 (10,235)	387,141 (25,135)
2005	9,986 (2,426)	24,693 (6,997)	26,055 (5,595)	13,271 (2,334)	1,634 (511)	102,809 (14,403)	95,685 (15,016)	22,178 (4,130)	1,123 (729)	15,945 (2,802)	26,331 (9,781)	358,214 (25,213)
2006	12,521 (4,641)	17,788 (4,251)	26,368 (4,438)	16,742 (3,211)	1,269 (634)	73,875 (11,409)	80,667 (12,604)	27,569 (3,993)	NS[a]	24,789 (4,423)	34,064 (8,697)	345,742 (22,568)
2007	6,973 (1,994)	19,351 (5,547)	23,353 (4,434)	16,716 (3,461)	2,006 (613)	85,664 (10,773)	90,238 (14,672)	25,426 (3,722)	576 (363)	17,452 (3,625)	18,223 (6,575)	332,549 (22,778)
2008	10,517 (4,302)	16,647 (6,211)	23,570 (4,976)	17,936 (3,540)	1,269 (634)	86,169 (13,155)	65,739 (9,455)	21,879 (2,873)	2,568 (895)	21,305 (3,515)	17,054 (6,080)	301,700 (19,728)

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Population estimates (SE) for black ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	1,132 (1,130)	15,025 (3,217)	5,901 (1,661)	1,965 (1,176)	1,009 (1,006)	11,954 (6,066)	2,529 (1,933)	12,397 (2,129)	4,507 (2,016)	8,372 (3,353)	10,860 (6,102)	80,158 (11,033)
1994	1,403 (1,402)	6,237 (2,769)	2,869 (1,073)	1,120 (720)	39 (23)	12,980 (4,152)	994 (766)	16,564 (3,737)	2,668 (2,149)	5,539 (3,013)	8,557 (3,724)	60,930 (8,667)
1995	10,904 (8,498)	15,706 (10,607)	5,894 (2,714)	858 (551)	26 (24)	12,696 (3,945)	3,776 (1,886)	14,243 (3,847)	301 (137)	4,937 (1,741)	2,859 (1,574)	72,507 (13,169)
1996	1,403 (1,402)	11,568 (4,700)	7,215 (2,391)	355 (257)	26 (14)	3,580 (1,950)	1,299 (959)	25,950 (7,897)	1,598 (1,427)	6,448 (1,935)	2,757 (1,547)	77,316 (17,521)
1997	1,403 (1,402)	6,925 (2,646)	12,012 (3,881)	3,048 (1,553)	13 (12)	8,643 (2,917)	2,889 (1,565)	15,778 (4,677)	1,070 (732)	2,433 (908)	12,609 (6,543)	65,578 (9,050)
1998	0 ()	9,164 (3,270)	9,713 (3,846)	456 (357)	26 (14)	12,667 (5,130)	2,749 (1,511)	26,200 (9,359)	1,250 (766)	2,433 (656)	1,976 (1,161)	81,689 (20,458)
1999	1,270 (879)	7,671 (3,320)	6,815 (2,075)	1,158 (1,015)	33 (30)	10,173 (3,499)	2,889 (1,743)	34,592 (10,965)	1,371 (747)	2,222 (588)	4,336 (2,019)	82,421 (14,392)
2000	581 (580)	7,342 (2,589)	6,548 (1,905)	1,864 (1,143)	39 (23)	11,839 (3,662)	709 (510)	30,225 (8,904)	4,761 (1,816)	5,026 (1,128)	5,420 (2,177)	87,009 (15,421)
2001	635 (634)	2,660 (1,325)	5,907 (2,159)	2,407 (1,245)	52 (48)	15,030 (5,247)	4,052 (2,845)	20,622 (5,680)	4,567 (2,024)	3,808 (912)	4,974 (2,524)	69,627 (11,263)
2002	3,667 (1,948)	8,301 (2,870)	7,838 (2,564)	228 (163)	0 ()	6,679 (2,467)	4,020 (2,883)	19,597 (5,022)	4,592 (2,423)	3,406 (1,434)	1,903 (1,084)	68,637 (12,211)
2003	1,132 (788)	4,887 (2,423)	6,118 (2,868)	722 (271)	0 ()	12,050 (4,128)	1,245 (887)	18,859 (4,725)	3,618 (1,641)	899 (423)	4,579 (3,303)	64,898 (11,357)
2004	2,806 (1,773)	8,814 (3,409)	5,214 (2,223)	405 (305)	0 ()	4,754 (2,396)	0 ()	15,593 (3,186)	6,634 (4,251)	6,672 (2,996)	2,950 (2,128)	53,891 (7,713)
2005	566 (565)	9,212 (3,355)	2,507 (1,490)	583 (265)	0 ()	10,770 (3,584)	0 ()	12,743 (3,222)	1,959 (971)	3,568 (1,117)	2,634 (1,487)	49,745 (8,469)
2006	0 ()	7,606 (2,781)	853 (539)	507 (431)	13 (12)	12,223 (3,942)	0 ()	14,908 (3,324)	NS[a]	4,242 (1,280)	2,575 (2,115)	51,924 (8,880)
2007	0 ()	3,808 (2,156)	3,681 (1,789)	1,741 (1,093)	0 ()	14,743 (8,059)	3,433 (2,052)	17,991 (3,765)	4,748 (2,009)	3,861 (1,125)	1,447 (1,081)	62,355 (11,608)
2008	1,403 (1,402)	1,456 (997)	2,325 (1,190)	456 (192)	0 ()	16,674 (7,798)	537 (536)	22,398 (6,534)	3,317 (2,190)	2,116 (851)	234 (107)	65,121 (16,838)

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Breeding pairs estimates (SE) for black ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	566 (565)	7,513 (1,608)	2,889 (810)	945 (577)	505 (503)	5,977 (3,033)	1,264 (967)	5,803 (990)	2,254 (1,008)	4,186 (1,676)	5,430 (3,051)	39,464 (5,485)
1994	702 (701)	3,118 (1,385)	1,434 (536)	560 (360)	20 (11)	6,490 (2,076)	497 (383)	7,587 (1,735)	1,184 (1,066)	2,769 (1,507)	4,161 (1,854)	29,472 (4,255)
1995	3,348 (2,187)	7,853 (5,303)	2,772 (1,325)	429 (276)	13 (12)	5,533 (1,804)	1,888 (943)	6,330 (1,574)	150 (69)	2,310 (839)	1,429 (787)	32,670 (5,919)
1996	702 (701)	5,784 (2,350)	3,542 (1,190)	177 (129)	13 (7)	1,694 (970)	649 (480)	9,599 (2,388)	799 (713)	2,827 (917)	1,379 (774)	31,674 (5,042)
1997	702 (701)	3,463 (1,323)	4,500 (1,191)	1,524 (777)	7 (6)	4,059 (1,426)	1,444 (783)	7,112 (2,040)	535 (366)	1,217 (454)	5,830 (3,216)	29,792 (4,079)
1998	0 ()	4,582 (1,635)	4,856 (1,923)	228 (179)	13 (7)	6,334 (2,565)	1,375 (755)	8,692 (2,572)	625 (383)	1,217 (328)	988 (580)	31,833 (4,885)
1999	635 (440)	3,836 (1,660)	3,346 (1,035)	579 (507)	0 ()	5,087 (1,749)	1,444 (871)	15,008 (4,827)	685 (374)	1,111 (294)	2,168 (1,010)	38,693 (6,620)
2000	291 (290)	3,671 (1,295)	2,997 (889)	932 (572)	20 (11)	5,423 (1,800)	354 (255)	11,983 (2,873)	1,779 (814)	2,275 (489)	2,285 (1,041)	36,006 (4,902)
2001	318 (317)	1,330 (663)	2,954 (1,079)	1,204 (622)	26 (24)	7,489 (2,623)	2,026 (1,422)	8,969 (2,330)	2,284 (1,012)	1,904 (456)	2,487 (1,262)	31,942 (4,544)
2002	1,834 (974)	4,151 (1,435)	3,919 (1,282)	114 (82)	0 ()	2,568 (1,148)	2,010 (1,442)	7,997 (1,493)	2,221 (1,203)	1,703 (717)	878 (539)	29,026 (3,645)
2003	566 (394)	2,443 (1,212)	3,059 (1,434)	253 (94)	0 ()	5,472 (2,038)	622 (444)	8,370 (1,769)	1,809 (820)	264 (128)	2,290 (1,651)	28,863 (4,186)
2004	1,403 (887)	4,407 (1,704)	2,607 (1,111)	203 (153)	0 ()	2,377 (1,198)	0 ()	7,344 (1,467)	1,545 (585)	2,959 (1,481)	1,475 (1,064)	25,028 (3,499)
2005	283 (282)	4,606 (1,677)	1,254 (745)	291 (132)	0 ()	4,668 (1,666)	0 ()	5,312 (1,136)	980 (485)	1,731 (560)	1,317 (743)	21,471 (3,127)
2006	0 ()	3,803 (1,391)	426 (270)	253 (215)	7 (6)	6,111 (1,971)	0 ()	7,083 (1,578)	NS[a]	2,121 (640)	1,200 (1,055)	24,907 (4,225)
2007	0 ()	925 (535)	1,840 (895)	870 (547)	0 ()	7,100 (4,027)	1,717 (1,026)	6,654 (943)	2,374 (1,004)	1,269 (348)	611 (530)	24,714 (4,253)
2008	702 (701)	728 (498)	1,163 (595)	228 (96)	0 ()	8,337 (3,899)	269 (268)	7,628 (1,382)	1,659 (1,095)	793 (291)	117 (54)	24,204 (4,360)

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Population estimates (SE) for wood ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	12,627 (7,121)	24,378 (9,850)	7,727 (2,975)	9,376 (2,642)	336 (335)	75,604 (18,333)	81,499 (16,816)	11,223 (2,909)	1,538 (1,421)	43,392 (17,056)	42,689 (10,415)	311,924 (32,660)
1994	6,558 (5,652)	19,071 (6,535)	11,325 (3,341)	11,447 (4,781)	718 (716)	71,799 (13,721)	98,843 (23,433)	8,333 (2,002)	1,538 (1,421)	52,964 (22,874)	44,533 (12,929)	323,285 (34,730)
1995	13,386 (4,905)	23,462 (8,319)	18,987 (5,709)	9,056 (3,086)	359 (358)	98,796 (16,042)	95,397 (14,928)	13,542 (3,245)	709 (708)	17,278 (5,923)	68,575 (23,729)	367,019 (35,473)
1996	7,169 (3,145)	33,325 (15,989)	17,984 (4,712)	16,923 (7,064)	359 (358)	75,565 (16,345)	87,659 (13,003)	19,177 (4,414)	1,418 (1,416)	14,112 (6,166)	48,773 (12,129)	344,659 (32,139)
1997	5,225 (2,141)	15,105 (6,175)	21,096 (5,015)	14,026 (5,343)	1,435 (1,431)	88,738 (14,641)	123,140 (18,308)	15,511 (3,331)	301 (185)	13,274 (4,984)	58,383 (19,257)	385,644 (33,863)
1998	10,713 (5,098)	16,277 (5,633)	20,233 (4,704)	13,370 (4,483)	1,435 (975)	101,011 (15,803)	112,629 (15,509)	18,997 (3,716)	2,247 (2,125)	10,482 (3,408)	68,637 (16,808)	382,778 (28,585)
1999	15,113 (6,165)	16,280 (5,266)	27,632 (6,183)	3,872 (2,506)	1,794 (1,450)	97,010 (16,982)	122,783 (21,882)	20,475 (4,459)	2,956 (2,834)	15,702 (6,099)	57,013 (14,529)	402,170 (34,542)
2000	13,092 (6,845)	21,232 (7,157)	18,623 (5,357)	11,541 (4,258)	1,794 (1,450)	85,140 (13,732)	92,648 (14,268)	17,232 (4,196)	1,010 (737)	13,527 (3,848)	93,165 (34,725)	376,212 (35,008)
2001	4,468 (1,996)	8,814 (3,637)	15,636 (4,144)	14,499 (5,287)	1,076 (574)	89,922 (15,584)	116,298 (16,905)	18,534 (4,212)	1,418 (959)	10,685 (4,368)	74,680 (25,694)	388,204 (37,891)
2002	9,077 (4,031)	35,435 (12,473)	21,248 (5,478)	7,897 (2,494)	336 (335)	94,675 (16,697)	132,858 (21,639)	21,305 (5,203)	1,536 (1,534)	19,132 (5,423)	53,293 (18,841)	420,000 (37,804)
2003	8,984 (4,381)	22,043 (7,430)	19,797 (4,619)	10,504 (3,235)	359 (358)	89,158 (14,883)	93,711 (15,376)	19,510 (4,714)	0 ()	13,005 (3,550)	36,027 (12,734)	341,945 (29,497)
2004	8,256 (3,994)	43,458 (19,847)	19,184 (5,178)	14,499 (3,218)	769 (521)	74,408 (13,971)	94,736 (18,242)	19,712 (5,285)	769 (710)	16,703 (6,564)	45,646 (14,411)	360,185 (36,035)
2005	3,441 (1,883)	39,615 (14,358)	15,394 (4,493)	11,511 (3,621)	2,153 (1,554)	90,456 (14,987)	132,552 (28,116)	15,220 (3,171)	709 (708)	17,429 (5,615)	56,422 (17,448)	413,558 (38,981)
2006	4,318 (2,946)	18,948 (6,133)	22,578 (6,090)	13,081 (3,183)	718 (488)	91,206 (15,520)	128,009 (23,639)	20,689 (4,203)	NS[a]	20,718 (6,546)	41,470 (11,501)	400,967 (34,124)
2007	6,273 (3,134)	25,985 (13,436)	31,067 (8,671)	22,076 (7,943)	359 (358)	102,129 (18,959)	127,848 (21,006)	19,258 (4,343)	1,538 (1,421)	11,411 (3,251)	40,155 (11,660)	420,574 (36,086)
2008	10,953 (6,402)	21,879 (8,400)	48,889 (20,098)	21,101 (7,755)	718 (716)	105,303 (16,846)	87,924 (13,865)	18,466 (3,604)	4,774 (3,216)	11,260 (4,320)	29,848 (10,696)	386,127 (34,468)

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Breeding pairs estimates (SE) for wood ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	6,314 (3,561)	11,514 (4,697)	3,864 (1,487)	4,688 (1,321)	168 (168)	35,620 (8,821)	33,895 (5,787)	5,386 (1,424)	769 (710)	16,668 (5,562)	19,412 (4,550)	140,506 (14,229)
1994	3,279 (2,826)	7,646 (2,695)	5,663 (1,670)	4,823 (1,786)	359 (358)	32,405 (5,741)	43,165 (7,983)	4,167 (1,001)	769 (710)	24,014 (9,780)	22,266 (6,464)	148,298 (14,448)
1995	6,693 (2,452)	11,731 (4,160)	9,494 (2,854)	4,528 (1,543)	179 (179)	45,054 (7,308)	41,605 (6,584)	6,506 (1,460)	354 (354)	7,985 (2,683)	34,287 (11,864)	172,944 (16,949)
1996	3,585 (1,573)	13,220 (6,008)	8,992 (2,356)	8,461 (3,532)	179 (179)	31,796 (6,745)	42,375 (6,164)	7,310 (1,547)	709 (708)	7,056 (3,083)	24,387 (6,065)	156,201 (14,023)
1997	2,612 (1,071)	7,553 (3,088)	10,548 (2,507)	7,013 (2,671)	718 (716)	42,859 (7,077)	57,733 (8,852)	7,067 (1,500)	150 (92)	6,637 (2,492)	28,912 (9,613)	186,127 (16,610)
1998	5,356 (2,549)	8,139 (2,817)	10,117 (2,352)	5,176 (1,411)	718 (488)	48,226 (7,466)	52,368 (7,371)	9,499 (1,858)	1,124 (1,063)	5,241 (1,704)	34,319 (8,404)	184,725 (13,938)
1999	7,557 (3,083)	8,140 (2,633)	13,816 (3,091)	1,936 (1,253)	897 (725)	46,988 (8,062)	59,011 (10,253)	10,237 (2,230)	1,478 (1,417)	7,851 (3,049)	26,137 (6,546)	195,197 (16,512)
2000	4,441 (1,604)	10,616 (3,578)	9,311 (2,678)	5,771 (2,129)	897 (725)	42,334 (6,800)	43,296 (6,427)	8,491 (2,078)	505 (368)	6,764 (1,924)	31,312 (8,754)	174,417 (15,066)
2001	2,011 (985)	4,407 (1,818)	7,818 (2,072)	7,249 (2,644)	538 (287)	43,904 (7,712)	56,276 (8,271)	8,275 (1,738)	709 (479)	5,343 (2,184)	37,340 (12,847)	187,322 (18,336)
2002	4,539 (2,015)	16,503 (6,107)	10,624 (2,739)	3,948 (1,247)	168 (168)	45,145 (8,091)	65,684 (10,688)	10,490 (2,572)	768 (767)	9,566 (2,711)	20,064 (6,939)	202,090 (18,298)
2003	4,492 (2,190)	11,022 (3,715)	9,898 (2,310)	5,252 (1,617)	179 (179)	41,733 (7,323)	46,855 (7,688)	9,663 (2,353)	0 ()	6,503 (1,775)	16,697 (6,134)	167,135 (14,664)
2004	3,279 (1,808)	20,054 (8,545)	9,592 (2,589)	7,249 (1,609)	384 (260)	37,204 (6,986)	47,368 (9,121)	9,856 (2,643)	385 (355)	7,953 (3,182)	17,898 (5,680)	173,292 (16,971)
2005	1,721 (942)	17,575 (6,665)	7,697 (2,247)	5,755 (1,810)	1,076 (777)	44,331 (7,442)	60,536 (11,653)	7,610 (1,585)	354 (354)	7,538 (2,171)	26,105 (7,521)	195,916 (17,690)
2006	2,159 (1,473)	9,474 (3,067)	11,289 (3,045)	6,541 (1,591)	359 (244)	45,603 (7,760)	61,014 (11,650)	10,344 (2,102)	NS[a]	8,137 (2,425)	19,155 (4,932)	194,578 (16,713)
2007	3,137 (1,567)	12,993 (6,718)	15,533 (4,336)	11,038 (3,972)	179 (179)	44,145 (6,893)	56,671 (7,538)	9,629 (2,172)	769 (710)	5,706 (1,625)	20,077 (5,830)	196,717 (15,616)
2008	5,477 (3,201)	7,597 (2,724)	24,445 (10,049)	10,550 (3,877)	359 (358)	51,134 (7,980)	42,791 (6,792)	9,233 (1,802)	792 (486)	5,630 (2,160)	14,924 (5,348)	185,867 (16,642)

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Population estimates (SE) for gadwall from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	1,403 (1,402)	0 ()	248 (247)	51 (49)	0 ()	2,110 (1,170)	848 (845)	927 (715)	1,010 (747)	0 ()	0 ()	8,933 (3,494)
2004	0 ()	0 ()	0 ()	25 (24)	0 ()	6,353 (3,192)	2,403 (2,128)	438 (274)	60 (59)	188 (187)	0 ()	11,247 (5,272)
2005	0 ()	0 ()	0 ()	51 (31)	0 ()	70 (43)	6,362 (6,339)	501 (496)	0 ()	212 (144)	0 ()	16,062 (14,012)
2006	0 ()	0 ()	1,090 (1,048)	51 (49)	0 ()	70 (43)	1,272 (896)	1,055 (954)	NS[a]	582 (477)	0 ()	7,199 (3,320)
2007	0 ()	0 ()	2,261 (1,698)	0 ()	0 ()	2,293 (1,313)	0 ()	326 (146)	0 ()	212 (144)	2,106 (2,104)	6,230 (2,321)
2008	0 0	0 0	0 0	0 0	0	0 585.3333 543.8791	3251.543 2967.6	269.6449 136.3552	180.5 127.3808	211.5789 209.5694	0 0	8438.205 6539.852

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Breeding pairs estimates (SE) for gadwall from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	702 (701)	0 ()	124 (123)	25 (24)	0 ()	1,055 (585)	424 (423)	464 (358)	505 (374)	0 ()	0 ()	4,466 (1,747)
2004	0 ()	0 ()	0 ()	13 (12)	0 ()	3,177 (1,596)	141 (141)	219 (137)	30 (30)	0 ()	0 ()	3,259 (1,265)
2005	0 ()	0 ()	0 ()	25 (15)	0 ()	35 (21)	0 ()	250 (248)	0 ()	106 (72)	0 ()	1,071 (897)
2006	0 ()	0 ()	545 (524)	25 (24)	0 ()	35 (21)	283 (282)	157 (117)	NS[a]	106 (72)	0 ()	1,754 (839)
2007	0 ()	0 ()	1,131 (849)	0 ()	0 ()	1,146 (656)	0 ()	163 (73)	0 ()	106 (72)	1,053 (1,052)	3,115 (1,160)
2008	0 0	0 0	0 0	0 0	0	0 292.6667 271.9395	141.3714 140.8705	134.8225 68.17759	90.25 63.69038	105.7895 104.7847	0 0	971.3992 429.666

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[a] Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Population estimates (SE) for American green-winged teal from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	5,612 (5,608)	2,161 (1,284)	524 (523)	1,032 (1,005)	0 ()	11,062 (5,425)	5,803 (3,467)	14,716 (5,450)	0 ()	17,082 (8,003)	306 (301)	60,173 (13,237)
2004	2,806 (1,773)	1,005 (714)	648 (531)	25 (24)	0 ()	13,613 (7,349)	9,138 (4,441)	8,274 (2,976)	1,805 (1,197)	31,142 (16,425)	1,053 (1,052)	55,016 (13,356)
2005	0 ()	558 (557)	1,049 (733)	152 (146)	0 ()	3,587 (2,319)	7,089 (3,953)	5,804 (1,775)	7,847 (4,182)	12,505 (9,702)	0 ()	36,321 (9,097)
2006	0 ()	647 (549)	1,614 (888)	51 (49)	0 ()	10,544 (6,118)	7,172 (3,960)	13,025 (4,531)	NS[a]	29,304 (19,365)	1,409 (1,408)	64,402 (17,330)
2007	0 ()	0 ()	4,196 (2,406)	0 ()	0 ()	9,393 (3,182)	5,064 (3,037)	10,567 (3,099)	3,276 (2,306)	16,344 (7,594)	6,319 (6,313)	55,108 (11,019)
2008	1,403 (1,402)	836 (835)	1,898 (1,087)	380 (180)	0 ()	17,557 (9,368)	1,979 (1,146)	10,004 (3,908)	602 (418)	846 (596)	556 (555)	43,995 (12,720)

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Breeding pairs estimates (SE) for American green-winged teal from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	702 (701)	1,080 (642)	262 (262)	516 (502)	0 ()	3,570 (2,209)	2,902 (1,733)	1,598 (706)	0 ()	423 (256)	0 ()	12,622 (3,510)
2004	1,403 (887)	503 (357)	324 (265)	13 (12)	0 ()	4,870 (3,256)	2,240 (1,121)	288 (182)	0 ()	0 ()	527 (526)	8,690 (2,743)
2005	0 ()	279 (279)	524 (366)	76 (73)	0 ()	1,794 (1,160)	2,520 (1,377)	1,122 (455)	0 ()	106 (72)	0 ()	7,389 (2,106)
2006	0 ()	323 (274)	807 (444)	25 (24)	0 ()	5,062 (3,052)	3,586 (1,980)	1,137 (505)	NS[a]	106 (72)	705 (704)	13,665 (4,194)
2007	0 ()	0 ()	2,098 (1,203)	0 ()	0 ()	3,669 (1,430)	2,532 (1,519)	1,455 (424)	0 ()	1,428 (1,093)	0 ()	13,155 (3,851)
2008	702 (701)	418 (417)	546 (367)	190 (90)	0 ()	7,523 (3,779)	990 (573)	226 (150)	120 (67)	0 ()	278 (278)	12,172 (4,315)

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Population estimates (SE) for blue-winged teal from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	0 ()	0 ()	0 ()	0 ()	0 ()	8,303 (4,166)	1,273 (810)	1,753 (1,295)	15,242 (9,154)	0 ()	6,845 (6,840)	33,948 (11,397)
2004	0 ()	558 (557)	1,049 (733)	0 ()	0 ()	10,177 (5,439)	8,041 (3,820)	1,584 (1,096)	9,072 (8,850)	377 (374)	3,872 (2,226)	39,344 (11,862)
2005	0 ()	0 ()	524 (523)	25 (24)	0 ()	14,089 (7,730)	2,746 (1,764)	57 (55)	1,418 (959)	529 (426)	1,966 (1,514)	19,066 (6,467)
2006	0 ()	0 ()	0 ()	0 ()	0 ()	3,614 (2,960)	1,979 (1,972)	212 (211)	NS[a]	0 ()	0 ()	8,988 (5,556)
2007	0 ()	0 ()	524 (523)	0 ()	0 ()	7,440 (5,976)	12,650 (8,208)	1,060 (757)	602 (592)	6,426 (4,195)	6,675 (5,446)	42,505 (19,342)
2008	0 ()	0 ()	687 (686)	0 ()	0 ()	6,457 (6,448)	1,840 (1,233)	0 ()	3,949 (2,177)	0 ()	0 ()	15,116 (8,203)

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Breeding pairs estimates (SE) for blue-winged teal from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	0 ()	0 ()	0 ()	0 ()	0 ()	4,151 (2,083)	637 (405)	877 (648)	30 (30)	0 ()	0 ()	7,445 (2,891)
2004	0 ()	279 (279)	524 (366)	0 ()	0 ()	5,088 (2,719)	4,021 (1,910)	792 (548)	30 (30)	0 ()	1,936 (1,113)	16,342 (5,024)
2005	0 ()	0 ()	262 (262)	13 (12)	0 ()	3,948 (1,624)	1,373 (882)	28 (28)	709 (479)	53 (52)	983 (757)	7,251 (2,110)
2006	0 ()	0 ()	0 ()	0 ()	0 ()	1,807 (1,480)	990 (986)	106 (105)	NS[a]	0 ()	0 ()	4,494 (2,778)
2007	0 ()	0 ()	262 (262)	0 ()	0 ()	2,604 (1,900)	4,911 (2,778)	530 (378)	0 ()	370 (266)	705 (704)	13,444 (6,211)
2008	0 ()	0 ()	344 (343)	0 ()	0 ()	3,228 (3,224)	920 617	0 ()	1,448 (959)	0 ()	0 ()	7,041 (4,070)

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Population estimates (SE) for common mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	3,106 (2,061)	10,418 (5,643)	1,922 (993)	2,485 (1,646)	0 ()	11,280 (4,239)	17,831 (5,011)	544 (257)	0 ()	212 (210)	0 ()	45,653 (8,306)
2004	1,201 (849)	2,510 (1,485)	1,818 (1,394)	1,479 (1,109)	0 ()	25,218 (14,003)	14,671 (4,199)	754 (600)	0 ()	0 ()	0 ()	49,163 (14,923)
2005	6,478 (3,523)	3,294 (1,866)	0 ()	2,424 (1,579)	0 ()	10,652 (3,884)	12,916 (3,296)	603 (509)	0 ()	0 ()	1,053 (1,052)	40,420 (7,027)
2006	4,445 (4,438)	8,373 (6,746)	0 ()	473 (471)	0 ()	7,076 (3,126)	15,167 (5,198)	849 (435)	NS[a]	370 (367)	0 ()	43,214 (12,409)
2007	4,585 (2,557)	6,481 (2,606)	1,573 (1,570)	9,124 (4,933)	0 ()	7,738 (3,570)	17,429 (7,062)	663 (417)	0 ()	0 ()	0 ()	49,230 (9,710)
2008	2471.111 1505.785	5452.71 2565.159	687.375 686.3743	503.1304 502.1294	0 0	8532.413 3273.765	18772.64 4949.1872	568.0464 353.7373	0 0	0 0	0 0	39515.249 7084.1235

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Breeding pair estimates (SE) for common mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	1,553 (1,030)	2,983 (1,180)	868 (489)	1,243 (823)	0 ()	4,484 (1,809)	8,915 (2,505)	112 (88)	0 ()	0 ()	0 ()	19,561 (3,432)
2004	601 (425)	1,255 (743)	909 (697)	739 (555)	0 ()	10,377 (6,637)	5,951 (1,800)	84 (83)	0 ()	0 ()	0 ()	19,544 (6,891)
2005	2,287 (1,490)	1,647 (933)	0 ()	1,212 (790)	0 ()	5,326 (1,942)	5,389 (1,234)	50 (50)	0 ()	0 ()	527 (526)	17,369 (2,961)
2006	2,223 (2,219)	810 (451)	0 ()	236 (236)	0 ()	3,315 (1,550)	7,583 (2,599)	247 (129)	NS[a]	0 ()	0 ()	17,233 (5,117)
2007	1,585 (864)	3,240 (1,303)	787 (785)	724 (370)	0 ()	3,869 (1,785)	6,768 (2,143)	156 (117)	0 ()	0 ()	0 ()	17,620 (3,119)
2008	1235.556 752.8923	2726.355 1282.58	343.6875 343.1871	251.5652 251.0647	0 0	4266.206 1636.883	8534.583 2338.3223	284.0232 176.8687	0 0	0 0	0 0	18520.404 3328.8058

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Population estimates (SE) for hooded mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	1,969 (1,512)	7,561 (2,967)	1,171 (831)	0 ()	0 ()	12,491 (4,285)	4,247 (1,528)	224 (175)	0 ()	318 (317)	504 (503)	28,878 (5,518)
2004	1,201 (849)	4,182 (1,860)	4,284 (2,307)	0 ()	0 ()	29,803 (10,534)	1,272 (896)	1,054 (954)	0 ()	0 ()	56 (55)	44,143 (11,366)
2005	0 ()	11,696 (4,933)	2,745 (1,416)	1,890 (1,886)	0 ()	13,347 (4,936)	9,625 (4,305)	547 (394)	0 ()	0 ()	1,669 (1,666)	43,035 (8,921)
2006	0 ()	6,938 (2,172)	524 (523)	473 (471)	359 (358)	17,684 (8,519)	7,646 (5,075)	314 (234)	NS[a]	0 ()	0 ()	34,355 (9,931)
2007	2,899 (1,882)	12,756 (4,370)	2,343 (1,485)	498 (472)	0 ()	17,398 (6,690)	2,972 (2,175)	0 ()	0 ()	6,125 (5,808)	538 (537)	43,121 (9,356)
2008	5,652 (4,366)	7,774 (2,552)	3,111 (1,327)	0 ()	0 ()	14,198 (5,731)	3,031 (1,615)	0 ()	0 ()	0 ()	0 ()	31,197 (6,878)

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Breeding pair estimates (SE) for hooded mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	985 (756)	3,781 (1,484)	586 (416)	0 ()	0 ()	4,117 (1,605)	2,123 (764)	112 (88)	0 ()	159 (159)	252 (252)	12,783 (2,555)
2004	601 (425)	2,091 (930)	2,142 (1,153)	0 ()	0 ()	14,901 (5,267)	283 (282)	50 (50)	0 ()	0 ()	28 (28)	20,158 (5,514)
2005	0 ()	5,848 (2,466)	1,372 (708)	945 (943)	0 ()	6,674 (2,468)	4,388 (2,026)	273 (197)	0 ()	0 ()	0 ()	20,051 (4,130)
2006	0 ()	3,469 (1,086)	262 (262)	236 (236)	179 (179)	4,710 (1,954)	2,053 (917)	157 (117)	NS[a]	0 ()	0 ()	11,563 (2,463)
2007	1,450 (941)	5,366 (1,766)	1,171 (743)	249 (236)	0 ()	8,699 (3,345)	1,486 (1,087)	0 ()	0 ()	159 (157)	269 (268)	18,673 (4,069)
2008	2,826 (2,183)	3,887 (1,276)	1,556 (664)	0 ()	0 ()	5,330 (2,573)	1,516 (807)	0 ()	0 ()	0 ()	0 ()	14,361 (3,322)

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[a] Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Population estimates (SE) for total ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	27,937 (8,254)	89,370 (26,752)	39,141 (6,187)	39,182 (7,427)	9,445 (3,682)	289,550 (35,978)	271,308 39268.293	74,003 (11,805)	29,303 (18,654)	152,272 (39,301)	94,185 (18,466)	1,157,431 (77,386)
1994	27,701 (8,395)	65,141 (14,236)	43,253 (7,745)	48,629 (10,745)	3,039 (1,881)	308,416 (32,723)	376,844 (61,014)	80,723 (9,575)	7,667 (3,544)	171,825 (38,194)	146,064 (36,700)	1,297,308 (83,971)
1995	64,990 (33,903)	89,722 (26,375)	74,282 (13,254)	41,630 (9,013)	3,757 (1,354)	372,600 (49,406)	372,427 (55,686)	97,538 (12,697)	1,966 (897)	105,589 (23,704)	140,112 (33,909)	1,408,462 (95,237)
1996	24,554 (8,188)	90,141 (26,998)	75,655 (12,809)	45,618 (10,383)	5,652 (1,707)	348,983 (44,643)	340,004 (42,178)	122,483 (17,957)	3,423 (1,945)	118,925 (29,137)	173,120 (36,771)	1,430,907 (89,097)
1997	32,929 (8,654)	54,151 (12,091)	100,209 (16,228)	46,299 (8,841)	8,510 (2,950)	320,308 (32,462)	410,875 (51,513)	92,993 (12,914)	4,108 (1,673)	88,936 (17,075)	176,981 (45,334)	1,423,481 (86,489)
1998	27,143 (7,553)	56,644 (12,089)	82,362 (11,964)	40,240 (9,790)	5,691 (2,070)	339,783 (36,184)	407,306 (81,096)	104,832 (14,109)	37,424 (19,631)	102,968 (22,598)	188,013 (49,506)	1,443,980 (105,488)
1999	39,086 (10,871)	70,997 (16,937)	93,551 (12,292)	44,353 (11,521)	11,413 (8,381)	357,063 (45,262)	422,037 (54,193)	127,458 (16,308)	10,792 (6,634)	123,464 (29,649)	137,673 (33,121)	1,522,687 (92,069)
2000	41,876 (12,932)	74,708 (20,360)	75,197 (12,500)	48,197 (10,013)	6,204 (2,450)	341,615 (37,632)	859,305 (558,824)	130,901 (17,166)	17,970 (8,202)	91,609 (17,218)	153,422 (41,170)	1,933,520 (563,002)
2001	39,199 (10,365)	36,840 (9,925)	79,886 (10,582)	51,179 (10,123)	2,609 (888)	355,508 (41,107)	358,666 (43,961)	104,728 (12,187)	9,528 (3,485)	106,331 (17,052)	149,960 (36,122)	1,397,361 (84,256)
2002	35,233 (12,186)	79,925 (22,636)	98,787 (15,927)	47,006 (8,988)	3,549 (1,563)	351,069 (43,100)	376,533 (51,465)	107,985 (13,753)	10,480 (5,566)	132,963 (23,583)	140,147 (38,152)	1,465,779 (92,127)
2003	44,611 (14,029)	54,231 (16,193)	98,498 (16,507)	40,633 (6,700)	3,255 (1,021)	329,086 (38,129)	272,948 (36,862)	106,420 (14,046)	22,380 (11,521)	102,337 (24,274)	120,556 (35,876)	1,266,174 (73,737)
2004	53,486 (15,570)	106,472 (35,309)	83,919 (15,961)	54,946 (8,645)	8,496 (2,962)	324,510 (41,436)	314,787 (40,629)	109,326 (14,950)	23,038 (17,255)	143,025 (40,373)	117,904 (29,922)	1,417,399 (89,677)
2005	54,067 (25,731)	117,180 (37,044)	76,134 (15,438)	42,133 (8,230)	5,421 (1,737)	354,918 (45,029)	387,079 (65,493)	81,034 (10,037)	14,359 (4,590)	80,840 (16,482)	122,912 (28,730)	1,416,238 (108,937)
2006	39,830 (14,376)	81,474 (22,990)	87,148 (15,103)	48,431 (8,066)	3,275 (1,366)	280,615 (34,505)	354,801 (50,662)	107,864 (15,046)	NS[a]	138,835 (28,008)	116,215 (24,621)	1,384,178 (90,087)
2007	30,123 (12,872)	68,495 (23,663)	97,598 (16,913)	59,263 (12,794)	4,729 (1,269)	339,409 (41,977)	451,347 (115,896)	115,352 (14,651)	11,558 (4,854)	113,571 (32,837)	96,868 (22,577)	1,500,419 (142,006)
2008	44,957 (17,992)	57,464 (18,270)	107,366 (24,658)	59,570 (13,773)	3,255 (1,554)	330,868 (47,246)	259,803 (42,574)	100,352 (11,700)	17,957 (5,326)	57,150 (8,337)	64,746 (15,842)	1,197,151 (78,945)

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Population estimates (SE) for Canada geese from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	0 ()	7,584 (4,980)	16,265 (6,053)	16,478 (3,796)	2,240 (1,124)	169,044 (81,179)	162,777 (34,178)	37,792 (7,841)	4,054 (2,159)	33,247 (21,278)	115,835 (52,990)	647,509 (111,770)
1994	2,806 (1,773)	3,092 (1,786)	13,217 (4,413)	23,140 (5,970)	359 (358)	92,283 (33,948)	151,426 (27,201)	61,230 (9,204)	1,294 (1,192)	75,720 (29,373)	129,409 (47,212)	648,684 (72,971)
1995	1,403 (1,402)	13,500 (5,677)	16,128 (5,232)	23,192 (5,821)	2,512 (887)	80,270 (29,747)	180,710 (36,313)	68,841 (11,304)	4,651 (3,387)	76,849 (28,208)	207,885 (77,362)	780,027 (98,816)
1996	318 (317)	36,016 (19,158)	25,694 (6,332)	23,255 (8,512)	1,615 (631)	199,544 (56,169)	189,860 (33,276)	69,549 (11,523)	1,845 (1,764)	66,880 (19,162)	208,146 (74,284)	932,656 (107,423)
1997	18,159 (15,155)	16,603 (8,942)	16,794 (4,360)	31,125 (8,037)	3,409 (1,241)	119,519 (28,640)	194,607 (29,135)	85,338 (23,314)	4,787 (4,554)	69,876 (23,447)	332,806 (104,935)	1,013,324 (132,539)
1998	3,023 (1,531)	24,219 (7,790)	19,769 (4,252)	30,800 (8,179)	2,877 (1,469)	133,391 (28,066)	210,798 (33,580)	85,970 (21,370)	7,175 (4,477)	93,379 (24,018)	253,648 (96,292)	970,092 (115,663)
1999	3,663 (2,288)	23,137 (11,505)	18,262 (4,187)	23,662 (6,390)	3,422 (1,213)	158,823 (49,507)	261,965 (40,862)	82,283 (18,835)	5,473 (3,119)	58,853 (15,120)	198,208 (63,727)	999,517 (120,811)
2000	7,015 (4,565)	21,326 (7,142)	21,359 (5,686)	36,265 (9,594)	1,435 (823)	157,532 (27,057)	225,472 (35,874)	106,279 (20,580)	9,076 (5,110)	63,254 (17,687)	229,635 (60,049)	1,022,299 (101,930)
2001	13,005 (7,273)	12,626 (4,252)	31,175 (6,587)	44,383 (12,808)	2,166 (987)	163,235 (30,365)	246,859 (34,135)	83,418 (13,784)	8,203 (3,348)	65,305 (15,969)	227,310 (51,638)	1,016,629 (89,337)
2002	3,113 (3,107)	8,730 (3,710)	36,062 (11,044)	21,090 (4,689)	2,523 (1,352)	148,237 (23,840)	234,754 (33,690)	96,828 (20,992)	5,380 (2,779)	79,842 (20,147)	199,212 (48,315)	965,657 (86,932)
2003	12,482 (6,119)	15,543 (6,582)	42,413 (10,540)	28,640 (6,611)	3,595 (1,450)	231,718 (42,398)	252,226 (33,756)	93,222 (17,026)	8,099 (3,786)	103,017 (41,645)	133,737 (31,585)	1,040,474 (89,820)
2004	10,402 (4,093)	13,647 (3,818)	43,923 (12,929)	22,561 (5,877)	3,082 (837)	164,399 (24,502)	299,269 (40,747)	92,562 (17,733)	4,308 (2,815)	74,821 (21,144)	98,273 (26,997)	978,554 (89,813)
2005	7,318 (3,142)	36,940 (17,448)	33,553 (6,847)	32,405 (9,919)	3,947 (1,455)	182,012 (29,032)	282,237 (41,666)	91,245 (18,878)	20,307 (9,132)	83,379 (19,590)	156,448 (41,905)	1,064,696 (96,415)
2006	12,713 (7,267)	57,202 (29,604)	34,671 (7,435)	22,851 (5,536)	2,345 (686)	230,637 (65,298)	229,321 (36,272)	94,387 (13,185)	NS[a]	70,456 (15,144)	155,379 (42,462)	1,057,251 (103,397)
2007	16,282 (6,332)	35,497 (19,924)	42,913 (19,190)	28,215 (11,066)	2,870 (1,269)	249,702 (48,437)	235,292 (34,627)	80,325 (10,686)	28,157 (22,889)	82,128 (27,298)	150,264 (42,358)	1,046,067 (90,513)
2008	18,953 (7,121)	26,154 (8,454)	29,200 (9,309)	22,973 (6,380)	3,242 (1,177)	213,758 (34,825)	227,351 (30,084)	75,814 (10,966)	16,628 (6,397)	48,456 (18,032)	159,309 (51,311)	951,501 (79,003)

Estimates based on the 1993-2002 method of calculating total indicated birds [TIB = (2×pairs) + singles + groups].

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Population estimates (SE) for Canada geese from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2002	7,957 (3,687)	11,665 (4,420)	42,680 (12,650)	23,103 (5,157)	4,373 (1,566)	171,132 (26,698)	259,614 (35,219)	101,145 (21,156)	5,500 (2,793)	98,943 (22,478)	270,315 (73,168)	1,097,135 (95,091)
2003	14,641 (6,888)	17,399 (6,856)	47,238 (11,531)	31,895 (7,159)	3,601 (1,450)	241,865 (42,893)	275,207 (35,775)	99,575 (17,547)	9,418 (4,320)	110,450 (42,468)	151,819 (37,276)	1,126,731 (94,540)
2004	10,685 (4,120)	15,919 (4,283)	46,591 (13,286)	25,341 (6,681)	3,857 (877)	190,172 (29,051)	338,230 (44,135)	97,661 (17,987)	4,825 (2,870)	78,630 (21,827)	105,013 (28,127)	1,073,096 (93,828)
2005	8,654 (3,709)	38,768 (17,437)	38,048 (7,502)	34,903 (10,408)	4,306 (1,500)	209,223 (33,251)	311,171 (44,218)	98,506 (19,319)	21,091 (9,476)	86,500 (19,680)	167,299 (43,192)	1,167,075 (102,279)
2006	13,666 (7,570)	59,490 (29,611)	42,266 (8,856)	24,863 (5,951)	2,525 (716)	250,063 (66,078)	245,689 (37,191)	104,360 (14,638)	NS[a]	73,862 (15,454)	163,655 (43,357)	1,143,951 (106,242)
2007	16,565 (6,350)	37,712 (19,953)	48,283 (19,416)	29,234 (11,187)	3,050 (1,407)	274,856 (50,706)	255,924 (36,603)	86,429 (11,322)	29,311 (23,192)	85,164 (27,293)	160,966 (45,725)	1,127,987 (94,528)
2008	19,236 (7,137)	27,678 (8,737)	31,558 (9,570)	24,230 (6,473)	3,242 (1,177)	238,290 (36,749)	246,499 (32,411)	81,052 (11,324)	17,918 (7,115)	51,438 (18,084)	167,492 (52,549)	1,024,914 (82,157)

Estimates based on the post-2002 method of calculating total indicated birds [TIB = 2×(pairs + singles) + groups].

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Breeding pair estimates (SE) for Canada geese from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993												
1994	1,403 (887)	898 (535)	4,664 (1,441)	10,511 (2,613)	718 (411)	28,135 (6,394)	57,554 (9,577)	19,418 (2,522)	683 (618)	14,141 (4,172)	32,704 (13,936)	202,281 (19,827)
1995	702 (701)	4,264 (1,527)	6,798 (1,780)	9,808 (2,291)	1,256 (443)	26,540 (5,092)	72,511 (13,385)	24,197 (3,156)	1,558 (1,054)	13,091 (4,853)	41,282 (13,132)	245,233 (23,023)
1996	1,019 (769)	6,368 (2,978)	12,323 (2,745)	7,816 (2,074)	1,076 (351)	48,034 (10,215)	71,120 (11,038)	22,871 (2,899)	902 (861)	21,799 (6,453)	44,641 (15,874)	277,608 (25,468)
1997	2,415 (1,470)	3,408 (1,729)	8,793 (1,921)	14,674 (3,740)	1,435 (634)	30,655 (6,109)	87,849 (12,137)	23,091 (3,442)	920 (825)	20,044 (4,619)	98,955 (36,382)	326,982 (40,080)
1998	2,167 (997)	6,790 (2,388)	10,659 (2,013)	12,850 (3,607)	1,801 (1,069)	36,693 (5,588)	88,975 (12,849)	24,900 (3,522)	1,984 (951)	35,374 (9,076)	69,580 (21,654)	324,648 (29,188)
1999	2,895 (1,578)	4,985 (1,500)	9,781 (1,940)	9,567 (2,399)	1,980 (716)	48,375 (8,084)	104,343 (14,888)	30,862 (3,937)	1,938 (1,236)	20,751 (4,690)	95,418 (31,319)	379,479 (38,088)
2000	3,508 (2,282)	7,591 (2,255)	10,723 (2,484)	12,136 (2,709)	718 (411)	53,306 (9,006)	85,379 (10,661)	36,243 (5,519)	4,242 (2,488)	18,839 (4,932)	55,313 (12,104)	339,936 (26,316)
2001	5,162 (2,712)	5,166 (1,605)	12,802 (2,523)	14,387 (4,834)	1,262 (515)	76,063 (11,992)	96,468 (10,490)	33,783 (4,204)	3,548 (1,593)	25,763 (6,948)	65,855 (14,586)	392,055 (27,777)
2002	2,422 (992)	5,630 (2,136)	14,491 (3,601)	10,042 (2,300)	1,346 (548)	77,864 (12,769)	85,192 (10,142)	31,908 (3,915)	2,468 (1,233)	36,638 (8,108)	123,455 (35,076)	405,898 (32,094)
2003	7,320 (3,444)	5,728 (1,735)	16,928 (3,490)	11,079 (2,800)	1,801 (725)	65,100 (9,156)	101,564 (11,705)	37,872 (5,185)	4,574 (2,157)	22,157 (7,785)	60,931 (15,628)	389,793 (28,280)
2004	3,724 (1,496)	5,938 (1,837)	15,466 (3,413)	11,897 (3,179)	1,929 (439)	91,132 (13,880)	123,126 (15,256)	34,182 (4,134)	1,633 (1,041)	17,038 (4,955)	32,625 (8,772)	394,626 (28,065)
2005	4,327 (1,855)	6,686 (1,924)	17,063 (3,371)	10,514 (2,042)	1,794 (501)	88,648 (14,575)	115,291 (14,969)	34,867 (4,342)	5,270 (2,208)	22,380 (4,157)	47,880 (12,420)	410,544 (30,402)
2006	3,658 (1,581)	10,112 (3,053)	20,430 (4,360)	10,362 (2,615)	1,262 (358)	78,989 (11,056)	88,478 (11,799)	38,746 (5,224)	NS[a]	17,601 (3,683)	51,544 (11,420)	384,715 (27,397)
2007	5,477 (1,734)	8,129 (1,990)	12,866 (2,601)	10,364 (2,438)	1,256 (515)	97,355 (13,739)	100,741 (13,930)	33,016 (4,114)	3,423 (1,444)	23,731 (11,315)	53,899 (12,348)	390,630 (27,454)
2008	7,163 (2,156)	10,797 (3,462)	10,068 (2,137)	9,851 (2,256)	1,442 (515)	91,128 (12,397)	100,174 (13,702)	29,483 (3,383)	4,166 (1,851)	14,536 (3,028)	52,564 (14,821)	377,762 (26,780)

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Population estimates (SE) for mute swans from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	0 ()	0 ()	2,680 (1,334)	1,019 (604)	6,391 (5,847)	6,369 (2,852)	267 (266)	191 (135)	0 ()	2,827 (1,444)	0 ()	21,766 (8,476)
1994	0 ()	0 ()	1,145 (533)	514 (513)	6,731 (4,719)	6,423 (2,594)	0 ()	2,530 (2,016)	0 ()	2,278 (1,518)	0 ()	24,780 (8,403)
1995	0 ()	0 ()	744 (431)	0 ()	551 (389)	10,338 (8,106)	0 ()	593 (276)	0 ()	1,505 (1,013)	558 (558)	12,761 (6,391)
1996	0 ()	0 ()	1,392 (747)	0 ()	538 (388)	5,632 (3,219)	0 ()	800 (391)	0 ()	779 (508)	78 (77)	9,665 (3,136)
1997	0 ()	0 ()	1,900 (906)	0 ()	1,262 (578)	15,022 (12,863)	551 (389)	1,976 (1,501)	0 ()	2,075 (1,333)	78 (77)	18,843 (6,721)
1998	0 ()	13 (13)	1,115 (557)	528 (503)	577 (389)	8,527 (5,731)	551 (389)	1,472 (525)	132 (98)	2,646 (1,790)	78 (77)	15,117 (3,631)
1999	0 ()	67 (64)	2,520 (1,867)	503 (502)	1,256 (578)	16,199 (14,745)	0 ()	1,121 (418)	0 ()	2,178 (1,603)	29 (29)	16,356 (6,171)
2000	0 ()	0 ()	2,038 (1,021)	1,535 (923)	910 (502)	11,641 (10,083)	1,335 (944)	928 (394)	0 ()	2,541 (1,789)	29 (29)	16,883 (5,006)
2001	0 ()	0 ()	2,027 (1,222)	1,006 (702)	910 (502)	5,014 (3,438)	354 (255)	890 (424)	90 (89)	1,300 (829)	59 (58)	11,832 (2,974)
2002	0 ()	0 ()	1,687 (813)	2,528 (1,827)	336 (229)	5,206 (1,981)	426 (425)	668 (440)	0 ()	1,675 (1,016)	264 (259)	13,850 (3,265)
2003	0 ()	0 ()	1,032 (762)	579 (503)	1,102 (574)	7,889 (2,458)	709 (510)	337 (191)	203 (144)	2,167 (1,099)	122 (120)	14,368 (2,999)
2004	0 ()	0 ()	1,528 (782)	604 (504)	397 (384)	6,538 (2,846)	2,528 (1,540)	4,110 (3,389)	83 (82)	1,703 (1,025)	169 (121)	22,706 (8,653)
2005	0 ()	0 ()	2,478 (1,099)	1,032 (703)	731 (488)	0 ()	2,245 (1,514)	1,454 (595)	181 (177)	1,217 (786)	0 ()	12,614 (3,051)
2006	0 ()	0 ()	2,891 (2,105)	1,032 (703)	1,461 (823)	11,987 (6,559)	2,102 (1,483)	1,340 (526)	NS[a]	1,914 (1,056)	59 (58)	24,902 (6,825)
2007	0 ()	0 ()	2,813 (1,178)	528 (503)	359 (358)	3,631 (1,535)	6,064 (2,654)	1,394 (456)	120 (118)	212 (144)	0 ()	17,064 (3,591)
2008	0 ()	0 ()	1,343 (735)	503 (502)	757 (412)	3,654 (2,360)	3,921 (2,142)	4,093 (2,998)	120 (118)	1,111 (1,100)	88 (86)	21,251 (7,893)

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[a] Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Breeding pair estimates (SE) for hooded mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2008.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	0 ()	0 ()	516 (381)	290 (252)	551 (287)	3,945 (1,229)	354 (255)	168 (95)	102 (72)	1,084 (550)	61 (60)	7,184 (1,499)
2004	0 ()	0 ()	764 (391)	302 (252)	199 (192)	3,269 (1,423)	1,264 (770)	1,151 (853)	42 (41)	852 (513)	84 (61)	9,267 (2,538)
2005	0 ()	0 ()	1,239 (550)	516 (351)	365 (244)	0 ()	1,123 (757)	671 (282)	90 (89)	212 (96)	0 ()	6,031 (1,508)
2006	0 ()	0 ()	268 (248)	516 (351)	731 (411)	5,994 (3,279)	1,051 (741)	594 (220)	NS[a]	957 (528)	29 (29)	10,184 (2,938)
2007	0 ()	0 ()	1,406 (589)	264 (251)	179 (179)	1,816 (767)	2,713 (1,235)	654 (225)	60 (59)	106 (72)	0 ()	8,023 (1,649)
2008	0 ()	0 ()	671 (367)	252 (251)	558 (287)	1,973 (1,200)	1,535 (983)	2,047 (1,499)	60 (59)	0 ()	0 ()	10,001 (3,898)

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[a] Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Productivity data for greater snow geese, Atlantic brant, and tundra swans wintering in the Atlantic Flyway

	Greater snow geese			Atlantic brant			Tundra swans		
Year	Birds surveyed	Percent immature	Avg. young per family	Birds surveyed	Percent immature	Avg. young per family	Birds surveyed	Percent immature	Avg. young per family
1976	34,892	9.8	2.4	7,159	8.9	2.4	7,913	7.1	1.2
1977	7,531	23.8	2.3	12,067	29.5	2.3	3,684	19.7	2.2
1978	16,159	14.7	1.9	11,315	5.9	2.1	627	29.3	1.3
1979	7,031	26.4	2.4	14,593	41.0	2.8	1,433	8.8	1.6
1980	12,572	36.5	2.7	24,849	33.7	2.6	2,060	10.5	1.8
1981	17,229	17.1	2.0	15,857	21.3	2.4	1,479	30.2	2.3
1982	11,873	18.0	2.6	20,727	23.5	2.4	5,576	11.5	2.0
1983	19,206	48.9	3.3	18,826	32.3	2.7	7,537	19.8	2.0
1984	11,133	27.4	2.7	15,210	21.3	2.4	8,913	19.8	2.2
1985	14,972	31.0	2.6	18,114	15.8	2.4	11,394	23.6	2.0
1986	13,109	2.3	2.1	20,669	3.7	2.5	11,903	8.7	1.3
1987	17,467	37.9	2.9	16,635	26.5	2.6	8,210	9.8	1.6
1988	14,290	31.2	2.6	17,133	26.4	2.4	10,260	14.8	1.9
1989	17,735	30.1	2.0	17,550	21.0	2.5	13,836	15.2	1.7
1990	24,880	18.7	2.3	18,523	10.9	2.2	11,604	10.3	1.9
1991	27,805	26.2	2.3	9,417	24.5	2.0	3,719	12.3	1.6
1992	11,762	4.5	0.9	20,194	2.2	1.7	11,800	4.1	1.6
1993	23,082	44.6	2.6	23,194	21.2	2.0	13,320	15.0	1.0
1994	19,752	13.4	1.4	21,410	10.2	2.0	5,214	19.2	1.3
1995	15,261	16.7	1.9	17,885	21.6	2.2	9,720	8.1	1.1
1996	23,728	30.5	2.0	24,997	15.3	2.2	15,290	10.0	1.2
1997	30,904	28.7	2.5	27,349	17.5	2.2	11,552	7.5	0.8
1998	43,321	26.5	2.3	23,098	24.1	2.6	13,042	15.7	1.2
1999	21,619	2.8	1.0	37,558	1.5	1.7	13,660	10.4	1.6
2000	25,022	34.6	1.6	23,564	25.1	2.1	7,229	10.2	0.9
2001	12,646	21.2	1.3	22,404	24.7	2.1	13,386	9.8	1.2
2002	20,444	2.8	0.5	60,463	6.9	1.8	25,212	8.0	0.9
2003	9,201	15.8	1.6	25,903	17.2	2.1	35,019	5.2	1.3
2004	33,748	12.1	1.7	27,622	13.1	2.0	12,981	16.1	2.4
2005	11,969	15.5	1.2	26,699	15.0	2.1	6,961	9.6	1.1
2006*	8,823	27.1	1.9	20,659	24.2	2.8	6,559	22.6	1.7
2007*	No survey			20,818	31.1	2.2	7,929	13.7	1.7
Averages:									
76-80	15,637	22.2	2.3	13,997	23.8	2.5	3,143	15.1	1.6
81-85	14,883	28.5	2.6	17,747	22.8	2.4	6,980	21.0	2.1
86-90	17,496	24.0	2.4	18,102	17.7	2.4	11,163	11.8	1.7
91-95	19,532	21.1	1.8	18,420	15.9	2.0	8,755	11.7	1.3
96-2000	28,919	24.6	1.9	27,313	16.7	2.2	12,155	10.8	1.1
2001-05	19,010	13	1.3	34,098	15	2.0	21,650	10	1.5
2006-07	No survey			20,739	28	3	7,244	18	2

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* No Atlantic brant data from East Bay on Long Island were included because numbers of young in family groups were not recorded.

Estimtates of Regular-Season All-duck Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	831,600	456,000	314,300	209,900	350,400	93,600	114,900	348,200	172,900	1,800,800	484,900	1,908,300	354,200	159,800	7,599,900
2000	824,800	439,600	300,700	220,200	408,800	112,800	161,000	404,000	262,600	1,742,000	341,700	1,785,200	299,500	307,700	7,610,600
2001	852,200	370,700	248,300	297,300	393,300	117,400	129,800	513,000	174,900	1,430,500	368,900	1,106,500	225,900	182,100	6,410,700
2002	880,500	509,800	406,000	273,800	349,400	129,100	178,400	208,000	161,200	1,118,200	293,400	768,100	233,800	171,300	5,681,100
2003*	884,500	677,400	367,100	248,900	455,900	120,800	154,400	433,700	198,300	1,089,800	258,200	1,139,500	230,200	150,000	6,408,700
2004*	683,600	429,900	333,000	184,500	313,000	105,700	133,800	322,700	183,400	1,111,200	340,700	749,700	288,800	173,300	5,353,300
2005*	531,500	375,100	284,400	205,200	368,000	124,900	116,100	447,700	177,400	1,056,600	178,900	849,600	302,900	131,900	5,150,400
2006*	641,100	401,900	384,500	203,300	504,300	112,800	134,400	383,500	128,300	1,104,400	281,400	1,157,200	327,300	165,500	5,930,000
2007*	563,900	431,200	355,500	232,800	458,100	129,600	161,100	414,200	158,100	1,103,900	512,000	1,318,400	377,100	150,700	6,366,700
Averages															
1999-2000	828,200	447,800	307,500	215,100	379,600	103,200	138,000	376,100	217,800	1,771,400	413,300	1,846,800	326,900	233,800	7,605,300
2001-05	766,500	472,600	327,800	241,900	375,900	119,600	142,500	385,000	179,000	1,161,300	288,000	922,700	256,300	161,700	5,800,800
2006-07	602,500	416,600	370,000	218,100	481,200	121,200	147,800	398,900	143,200	1,104,200	396,700	1,237,800	352,200	158,100	6,148,400

* Preliminary estimates C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls Sheet: TODU-MALL-ABDU Revision: 07/17/08 JDK

Estimtates of Regular-Season Mallard Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	272,300	166,300	127,200	68,400	186,000	53,300	50,600	197,200	102,600	1,125,700	254,100	354,400	145,800	33,000	3,136,900
2000	270,000	176,300	143,000	73,900	197,600	66,500	80,500	213,500	176,800	1,022,800	196,900	425,800	123,800	105,100	3,272,700
2001	327,000	147,900	122,800	117,500	232,600	74,000	68,800	322,300	116,100	770,800	207,100	127,400	107,400	54,400	2,796,000
2002	259,500	218,100	195,300	92,600	215,700	81,700	92,500	124,700	105,000	570,800	169,700	107,200	94,500	46,900	2,374,300
2003*	304,000	252,000	183,000	101,700	284,300	76,700	76,400	249,800	138,200	510,600	130,800	133,100	95,000	34,900	2,570,500
2004*	179,300	173,400	158,900	54,700	194,100	71,600	77,500	175,500	130,300	556,500	191,200	80,400	127,000	29,400	2,199,900
2005*	169,600	118,800	135,500	77,900	209,000	76,100	59,800	242,100	115,200	475,100	92,900	101,300	156,000	20,100	2,049,400
2006*	215,700	144,000	173,200	73,200	311,900	60,700	75,700	221,700	81,600	547,100	127,400	86,800	131,900	35,400	2,286,300
2007*	179,000	171,000	168,500	72,700	272,400	76,100	101,000	232,400	89,300	578,100	284,400	142,500	119,600	27,000	2,514,100
Averages															
1999-2000	271,200	171,300	135,100	71,200	191,800	59,900	65,600	205,400	139,700	1,074,300	225,500	390,100	134,800	69,100	3,204,800
2001-05	247,900	182,000	159,100	88,900	227,100	76,000	75,000	222,900	121,000	576,800	158,300	109,900	116,000	37,100	2,398,000
2006-07	197,400	157,500	170,900	73,000	292,200	68,400	88,400	227,100	85,500	562,600	205,900	114,700	125,800	31,200	2,400,200

* Preliminary estimates C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls Sheet: TODU-MALL-ABDU Revision: 07/17/08 JDK

Estimtates of Regular-Season Black Duck Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	300	4,600	10,600	0	2,800	1,800	4,500	400	14,700	3,400	11,900	1,600	900	400	57,700
2000	1,300	3,300	10,600	0	2,500	2,600	6,700	200	12,100	1,400	9,700	1,200	0	6,800	58,400
2001	300	2,700	6,600	300	800	3,500	5,000	0	5,000	1,200	5,900	0	0	600	31,800
2002	1,700	6,000	9,500	0	3,300	3,200	11,100	200	6,700	500	5,100	400	100	0	47,800
2003*	800	2,400	9,200	0	2,600	900	5,500	0	5,300	300	5,000	600	300	1,200	34,000
2004*	300	2,900	9,700	200	2,100	2,000	3,000	0	5,300	300	7,400	400	500	1,700	35,700
2005*	700	2,300	9,400	200	2,900	2,200	3,300	600	9,100	800	2,900	0	500	1,500	36,400
2006*	1,200	2,600	9,900	300	3,900	2,600	4,900	800	2,300	800	4,100	400	400	1,800	35,800
2007*	500	1,900	10,300	0	2,900	2,700	8,200	200	3,500	0	7,000	0	1,100	300	38,700
Averages															
1999-2000	800	4,000	10,600	0	2,700	2,200	5,600	300	13,400	2,400	10,800	1,400	500	3,600	58,100
2001-05	800	3,300	8,900	100	2,300	2,400	5,600	200	6,300	600	5,300	300	300	1,000	37,100
2006-07	900	2,300	10,100	200	3,400	2,700	6,600	500	2,900	400	5,600	200	800	1,100	37,300

* Preliminary estimates C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls Sheet: TODU-MALL-ABDU Revision: 07/17/08 JDK

Estimtates of Regular-Season Pintail Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	8,300	5,100	5,300	3,800	3,200	500	1,400	8,500	500	29,600	10,800	69,700	5,600	1,100	153,300
2000	15,700	9,100	4,600	4,200	7,300	900	1,100	10,200	0	22,500	5,000	66,300	4,100	1,900	153,000
2001	10,600	4,400	5,200	6,700	6,700	1,000	700	16,800	2,100	24,700	11,900	30,500	3,400	600	125,100
2002	17,400	9,300	13,100	5,700	500	200	2,200	4,600	800	20,600	4,300	15,400	4,400	1,100	99,800
2003*	18,300	12,300	8,900	5,200	10,200	1,500	3,100	6,100	1,800	17,500	5,900	27,300	5,000	0	123,300
2004*	14,200	11,500	9,900	3,100	3,900	700	800	4,100	4,400	16,600	2,300	15,500	3,500	0	90,500
2005*	9,800	3,500	3,100	4,300	6,300	1,100	1,000	11,000	1,700	23,000	3,900	33,700	3,900	900	107,300
2006*	7,800	3,400	3,900	3,900	9,700	1,800	2,200	8,600	1,000	21,600	6,800	26,700	6,100	800	104,300
2007*	13,200	11,700	6,000	7,200	10,500	2,200	4,200	9,800	4,200	23,400	16,400	46,500	5,800	1,300	162,400
Averages															
1999-2000	12,000	7,100	5,000	4,000	5,300	700	1,300	9,400	300	26,100	7,900	68,000	49,000	1,500	153,200
2001-05	14,100	8,200	8,000	5,000	5,500	900	1,600	8,500	2,200	20,500	5,700	24,500	4,000	500	109,200
2006-07	10,500	7,600	5,000	5,600	10,100	2,000	3,200	9,200	2,600	22,500	11,600	36,600	6,000	1,100	133,400

* Preliminary estimates C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls Sheet: NOPI-WODU-REDH Revision: 07/17/08 JDK

Estimtates of Regular-Season Wood Duck Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	151,600	78,300	45,900	36,900	52,200	17,000	24,200	28,200	8,100	119,400	55,600	196,700	49,100	61,400	924,500
2000	126,700	69,700	50,500	28,700	45,300	11,900	30,300	14,900	13,200	81,500	19,700	160,900	29,400	78,500	761,300
2001	105,900	52,400	27,600	45,600	44,300	13,400	21,100	14,500	13,700	58,800	33,200	70,000	44,000	52,700	597,200
2002	125,800	68,700	39,500	42,400	36,200	20,900	24,300	6,600	7,600	87,600	25,500	68,100	51,000	56,500	660,800
2003*	129,900	124,000	32,600	38,600	32,000	15,100	28,300	20,500	15,400	80,800	30,700	116,800	44,100	46,000	754,800
2004*	127,600	79,800	39,700	52,900	28,300	14,400	27,000	18,300	5,300	91,700	18,100	78,000	40,300	75,900	697,300
2005*	98,200	77,600	32,100	38,100	31,000	17,100	17,400	25,500	13,500	119,800	22,900	109,600	26,800	34,100	663,700
2006*	81,700	72,300	44,000	26,700	21,700	15,400	11,000	12,100	10,500	82,000	39,500	131,800	19,000	34,200	601,800
2007*	81,000	67,900	48,200	34,200	19,300	15,500	11,400	13,800	12,600	68,100	24,000	114,900	44,300	37,900	593,100
Averages															
1999-2000	139,200	74,000	48,200	32,800	48,800	14,500	27,300	21,600	10,700	100,500	37,700	178,800	39,300	70,000	842,900
2001-05	117,500	80,500	34,300	43,500	34,400	16,200	23,600	17,100	11,100	87,700	26,100	88,500	41,200	53,000	674,800
2006-07	81,400	70,100	46,100	30,500	20,500	15,500	11,200	13,000	11,600	75,100	31,800	123,400	31,700	36,100	597,500

* Preliminary estimates C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls Sheet: NOPI-WODU-REDH Revision: 07/17/08 JDK

Estimtates of Regular-Season Redhead Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	19,600	7,300	8,600	1,500	2,800	500	600	2,100	0	2,400	0	15,700	300	400	61,700
2000	16,600	4,500	10,000	600	3,500	200	300	1,900	3,200	1,000	0	6,400	300	0	48,600
2001	20,600	9,100	8,700	3,200	1,300	1,000	500	1,600	0	1,600	700	3,800	700	0	52,700
2002	13,000	4,800	3,600	2,100	1,000	500	400	800	0	0	400	700	100	0	27,600
2003*	11,700	9,400	2,300	700	2,400	200	500	1,600	1,300	1,600	1,600	4,000	100	500	37,800
2004*	9,500	4,900	3,300	900	1,500	500	1,100	400	1,800	1,600	5,600	3,300	800	300	35,300
2005*	16,800	8,700	12,200	1,300	3,300	100	1,200	3,200	1,700	2,500	2,000	7,300	1,600	100	62,100
2006*	24,600	7,400	12,000	1,400	4,200	100	1,200	2,600	0	3,100	1,400	9,900	800	800	69,500
2007*	18,900	5,300	12,100	1,300	3,400	600	1,200	2,300	700	4,300	1,800	9,600	300	1,300	63,000
Averages															
1999-2000	18,100	5,900	9,300	1,100	3,200	400	500	2,000	1,600	1,700	0	11,100	300	200	55,200
2001-05	14,300	7,400	6,000	1,600	1,900	500	800	1,500	1,000	1,500	2,100	3,800	700	200	43,100
2006-07	21,800	6,400	12,100	1,400	3,800	400	1,200	2,500	400	3,700	1,600	10,000	600	1,100	66,300

* Preliminary estimates C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls Sheet: NOPI-WODU-REDH Revision: 07/17/08 JDK

Estimtates of Regular-Season Canvasback Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	10,000	5,600	3,500	300	4,100	0	600	700	500	300	2,200	12,800	0	0	40,500
2000	8,800	7,200	4,100	200	5,300	0	2,000	700	500	1,000	1,300	17,000	600	500	49,200
2001	4,300	2,700	1,000	1,500	0	0	200	0	0	400	300	600	0	600	11,600
2002	400	0	0	0	0	0	0	0	0	0	0	100	0	0	600
2003*	2,900	4,100	1,100	400	600	200	0	200	0	300	900	200	400	0	11,300
2004*	4,700	1,600	0	400	900	0	0	0	900	0	500	1,500	300	0	10,800
2005*	8,600	4,800	1,500	200	4,700	400	400	900	400	800	1,300	7,000	0	1,600	32,800
2006*	13,000	7,400	2,300	700	10,300	100	200	800	0	2,400	0	7,000	0	1,600	45,600
2007*	8,100	8,500	2,000	600	8,600	100	500	1,200	400	1,300	5,900	18,300	0	1,000	56,400
Averages															
1999-2000	9,400	6,400	3,800	300	4,700	0	1,300	700	500	700	1,800	14,900	300	300	44,900
2001-05	4,200	2,600	700	500	1,200	100	100	200	300	300	600	1,900	100	400	13,400
2006-07	10,600	8,000	2,200	700	9,500	100	400	1,000	200	1,900	3,000	12,700	0	1,300	51,000

* Preliminary estimates C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls Sheet: CANV-LESC Revision: 07/17/08 JDK

Estimtates of Regular-Season Lesser Scaup Harvest in the Mississippi Flyway (Based on the Harvest Information Program)

Year	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MFTOT
1999	21,700	14,500	6,600	4,800	14,500	0	3,300	2,800	0	2,000	500	8,500	1,200	400	80,800
2000	25,400	6,600	5,200	2,400	11,100	200	7,300	2,800	1,600	19,700	2,900	92,500	5,200	1,000	184,000
2001	36,900	6,000	8,500	8,200	7,500	600	5,900	7,400	1,200	18,900	7,000	59,400	2,700	600	170,800
2002	46,400	20,100	16,200	6,100	9,700	1,700	3,500	1,000	7,600	6,400	4,700	53,500	4,100	1,100	182,100
2003*	34,100	22,900	13,800	2,800	5,300	500	3,600	4,100	1,800	16,500	3,800	34,600	5,400	4,500	153,600
2004*	12,000	10,800	13,000	1,300	5,400	500	1,500	2,300	5,700	8,300	4,600	25,900	11,200	5,800	108,400
2005*	12,900	9,000	7,000	900	13,200	500	2,500	3,700	4,300	12,900	3,900	36,700	2,700	900	111,400
2006*	21,700	10,200	10,500	2,000	6,900	200	1,500	2,900	700	9,400	1,400	29,300	4,200	200	101,200
2007*	12,100	5,800	6,800	1,600	14,400	600	3,500	2,600	3,500	10,700	5,900	11,200	4,100	1,900	84,800
Averages															
1999-2000	23,600	10,600	5,900	3,600	12,800	100	5,300	2,800	800	10,900	1,700	50,500	3,200	700	132,400
2001-05	28,500	13,800	11,700	3,900	8,200	800	3,400	3,700	4,100	12,600	4,800	42,000	5,200	2,600	145,300
2006-07	16,900	8,000	8,700	1,800	10,700	400	2,500	2,800	2,100	10,100	3,700	20,300	4,200	1,100	93,000

* Preliminary estimates C:\Data Book\Mississippi\Harvest Estimates\HIP Ducks.xls Sheet: CANV-LESC Revision: 07/17/08 JDK

NUMBERS OF BLACK DUCKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE MISSISSIPPI FLYWAY

YEAR	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MF TOTAL
1955	400	3,700	23,200	0	26,700	32,700	48,500	1,700	6,000	700	11,200	15,000	4,000	4,600	178,400
1956	400	3,200	34,600	TR*	32,000	29,500	63,700	1,500	21,000	1,000	9,300	6,700	4,200	6,200	213,300
1957	400	5,000	30,300	100	44,500	33,800	62,800	200	12,300	1,000	20,000	17,000	1,300	3,200	231,900
1958	300	2,400	17,400	TR	14,000	143,400	22,900	6,400	9,200	1,000	18,900	22,300	2,600	3,600	264,400
1959	100	4,500	12,800	TR	6,000	28,600	24,700	1,000	14,500	11,200	32,700	36,700	400	3,700	176,900
1960	100	3,900	15,600	100	15,600	24,100	31,500	600	11,700	8,300	15,300	32,300	1,000	5,000	165,100
1961	100	5,800	12,200	TR	15,800	5,000	52,200	700	5,100	2,200	32,200	14,300	2,600	10,500	158,700
1962	100	2,400	2,500	0	2,800	5,500	26,500	300	15,500	2,900	16,900	14,800	4,900	15,600	110,700
1963	200	3,000	4,000	TR	18,000	9,400	37,500	2,300	15,000	4,000	20,000	13,900	4,900	9,000	141,200
1964	100	3,700	14,200	200	28,000	7,200	63,900	5,000	17,400	3,900	48,700	12,700	2,900	10,200	218,100
1965	100	2,600	13,200	TR	14,700	5,200	66,100	1,300	5,600	3,200	33,100	7,100	1,600	5,000	158,800
1966	300	4,000	18,400	TR	9,100	9,600	34,300	900	4,900	2,200	45,700	7,100	8,600	7,100	152,200
1967	300	3,000	3,300	TR	15,400	4,400	70,300	1,100	900	2,800	73,200	14,100	8,200	10,400	207,400
1968	TR	1,700	3,300	TR	15,400	1,700	19,300	900	3,800	6,100	38,700	8,100	21,800	14,700	135,500
1969	300	1,400	5,300	0	14,200	2,000	54,600	1,300	3,600	10,600	40,300	500	4,700	10,300	149,100
1970	300	1,400	3,600	1,000	13,000	400	34,300	4,300	10,200	11,200	39,500	1,600	11,500	5,400	137,700
1971	800	1,300	4,000	0	17,900	7,700	30,900	1,900	5,200	3,700	51,200	600	2,500	7,000	134,700
1972	500	1,100	3,300	100	6,600	5,400	80,000	800	2,900	5,400	29,300	100	2,000	6,400	143,900
1973	500	1,000	2,700	0	20,800	3,900	21,800	9,800	13,500	3,500	64,100	300	3,000	9,100	154,000
1974	700	1,100	3,500	0	4,100	2,800	10,400	3,100	1,500	0	43,600	0	1,700	6,300	78,800
1975	400	1,100	3,600	100	14,200	9,800	41,000	900	2,300	800	34,300	0	300	7,200	116,000
1976	300	800	3,700	400	24,400	10,600	16,500	6,300	7,000	1,400	69,400	TR	2,000	9,600	152,400
1977	600	800	1,400	600	10,200	3,400	12,300	800	4,400	3,000	57,500	100	300	5,200	100,600
1978	400	700	2,400	200	6,700	2,300	7,300	1,700	3,300	3,400	50,700	0	2,300	10,000	91,400
1979	500	1,000	1,100	TR	5,700	3,200	7,800	300	6,900	2,700	42,900	300	900	5,200	78,500
1980	100	600	2,600	400	12,600	4,600	11,900	800	10,100	1,700	27,600	0	100	4,600	77,700
1981	200	800	2,200	300	13,700	6,700	9,400	200	10,100	1,500	35,100	100	700	8,600	89,600
1982	100	700	1,000	200	8,600	6,900	13,100	TR	3,500	5,100	24,300	0	200	7,200	70,900
1983	100	800	2,900	100	4,400	4,100	27,400	100	6,900	1,700	39,400	0	600	4,000	92,500
1984	TR	800	1,400	TR	2,500	2,200	8,100	TR	7,500	700	32,800	0	3,000	2,300	61,300
1985	100	1,000	500	TR	3,000	3,800	7,300	TR	4,200	2,600	31,000	100	200	3,900	57,700
1986	300	1,000	400	TR	7,600	5,700	13,600	100	3,900	6,600	49,900	100	1,700	5,700	96,600
1987	TR	1,200	1,200	TR	7,900	2,600	32,000	300	2,100	3,400	18,600	100	1,600	3,100	74,100
1988	TR	900	1,400	TR	4,800	3,600	22,500	TR	6,600	8,100	56,200	TR	300	4,900	109,300
1989	TR	1,200	2,600	TR	2,900	3,300	15,300	TR	2,200	3,900	32,000	TR	500	5,600	69,500
1990	106	1,807	2,068	109	5,816	4,357	10,155	96	2,828	1,856	52,159	50	2,200	3,200	86,807
1991	36	890	724	112	108	848	16,544	0	5,773	4,143	14,830	0	124	4,849	48,981
1992	211	2,305	3,182	12	3,725	2,364	41,398	0	3,047	597	16,502	112	1,638	1,183	76,276
1993***	20	1,373	1,870	48	7,225	3,061	38,915	944	2,544	715	18,847	35	1,538	1,274	78,409
1994	27	1,208	NS**	18	5,021	3,730	27,142	583	8,606	790	33,071	0	612	1,994	82,802
1995	2	1,267	10,302	10	8,230	2,703	41,465	50	4,521	97	22,971	0	68	1,719	93,405
1996	8	774	7,014	202	2,100	2,389	23,441	579	11,163	203	36,945	0	29	5,922	90,769
1997***	3	181	1,090	41	2,769	2,015	9,347	974	2,380	161	16,066	0	13	2,404	37,444
1998	22	3,768	5,230	8	2,325	1,777	11,152	1,806	856	355	9,504	0	35	4,051	40,889
1999	0	810	3,896	17	25	4,660	13,807	387	2,676	75	16,837	0	28	3,448	46,666
2000	8	1,148	7,771	17	4,254	2,723	10,778	14	1,284	0	7,665	0	23	1,068	36,753

Continued on next page

NUMBERS OF BLACK DUCKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE MISSISSIPPI FLYWAY

YEAR	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MF TOTAL
Continued from previous page															
2001	6	537	1,535	0	93	2,242	12,512	92	10,676	4	16,972	154	21	1,577	46,421
2002	8	1,037	5,211	1	335	1,327	13,961	20	2,471	12	10,121	0	24	4,839	39,367
2003	19	727	2,855	55	1,245	626	4,691	29	861	36	12,318	0	8	847	24,317
2004	9	NS**	7,677	27	966	535	5,376	16	739	0	3,803	0	2	1,121	20,271
2005	30	884	649	72	2,075	232	3,240	20	1,179	6	9,847	1	0	1,617	19,852
2006	87	400	2692	4	2,081	801	6,942	17	868	6	7,661		7	2,611	24,177
2007	60	631	2136	556	366	638	3,871	963	422	0	5,013	0	2	1,342	16,000
2008	9	649	3,158		1,707	304	5,644	559	786	36	6,300			1,404	20,583
AVERAGES:															
55-60	283	3,783	22,317	67	23,133	48,683	42,350	1,900	12,450	3,867	17,900	21,667	2,250	4,383	205,000
61-65	120	3,500	9,220	100	15,860	6,460	49,240	1,920	11,720	3,240	30,180	12,560	3,380	10,060	157,500
66-70	300	2,300	6,780	500	13,420	3,620	42,560	1,700	4,680	6,580	47,480	6,280	10,960	9,580	156,380
71-75	580	1,120	3,420	40	12,720	5,920	36,820	3,300	5,080	2,680	44,500	200	1,900	7,200	125,480
76-80	380	780	2,240	400	11,920	4,820	11,160	1,980	6,340	2,440	49,620	100	1,120	6,920	100,120
81-85	125	820	1,600	200	6,440	4,740	13,060	150	6,440	2,320	32,520	40	940	5,200	74,400
86-90	203	1,221	1,534	109	5,803	3,911	18,711	165	3,526	4,771	41,772	83	1,260	4,500	87,261
91-95	59	1,409	4,020	40	4,862	2,541	33,093	315	4,898	1,268	21,244	29	796	2,204	75,975
96-2000	8	1,336	5,000	57	2,295	2,713	13,705	752	3,672	159	17,403	0	26	3,379	50,504
2001-05	14	796	3,585	31	943	992	7,956	35	3,185	12	10,612	31	11	2,000	30,046
2006-08	52	560	2,662	280	1,385	581	5,486	513	692	14	6,325	0	5	1,786	20,253

* - TRace = Fewer than 50 **- NS = No Survey C:\Data book\Mississippi\Midwinter indices\ABDU.xls Revision JDK 07/17/2008

*** - INCOMPLETE SURVEY. ESTIMATES FOR THE FLYWAY AND SOME STATES (IL, LA, 93; LA, MS, 97), ARE NOT COMPARABLE WITH OTHER YEARS.

Estimtates of Regular-Season All Duck Harvest in the Central Flyway (Based on HIP)

Year	MT [a]	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	44,900	538,500	302,900	28,500	189,300	68,100	203,200	21,600	266,000	1,232,500	2,895,500
2000	40,500	427,300	218,400	32,400	207,700	91,100	195,600	52,800	219,400	1,550,700	3,035,900
2001	37,700	491,200	294,300	36,400	206,300	118,600	168,300	52,000	153,500	1,449,100	3,007,300
2002	34,500	514,600	251,700	41,300	216,000	82,300	202,100	40,100	228,600	907,200	2,518,500
2003*	46,500	496,800	254,400	35,700	214,500	115,400	203,200	52,400	207,500	703,200	2,329,500
2004*	42,800	541,900	215,300	39,700	158,800	93,200	249,100	32,300	346,000	841,500	2,560,600
2005*	36,400	519,400	179,200	25,900	158,400	69,500	145,400	27,300	276,900	1,158,300	2,596,800
2006*	29,300	378,700	193,500	31,200	155,500	87,000	133,700	41,100	288,000	896,400	2,234,400
2007*	33,500	373,000	182,900	37,000	175,500	84,400	135,500	27,400	433,300	914,600	2,397,100
Averages											
1999-2000	42,700	482,900	260,700	30,500	198,500	79,600	199,400	37,200	242,700	1,391,600	2,965,700
2001-05	39,600	512,800	239,000	35,800	190,800	95,800	193,700	40,800	242,500	1,011,900	2,602,500
2006-07	31,400	375,900	188,200	34,100	165,500	85,700	134,600	34,300	360,700	905,500	2,315,800

* Preliminary estimate C:\Data Book\Central\Harvest Estimates\HIP Ducks.xls Revision: 07/17/08 JDK

[a] For 2001-2002, harvest from Montana assigned to the Pacific Flyway pending further analysis Sheet: TOTDU-MALL-NOPI

Estimtates of Regular-Season Mallard Harvest in the Central Flyway (Based on HIP)

Year	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	29,700	254,300	145,200	17,700	91,000	38,300	114,200	7,900	114,600	182,800	995,500
2000	29,200	182,500	110,600	21,400	118,500	49,400	102,800	21,900	116,400	283,100	1,036,000
2001	27,200	242,100	155,000	24,900	133,900	80,900	97,700	22,900	92,800	300,900	1,178,400
2002	22,300	227,000	117,100	23,700	112,600	43,000	93,100	20,700	121,500	232,700	1,013,600
2003*	38,200	231,300	124,600	19,400	128,000	59,600	95,700	25,100	110,000	130,100	962,100
2004*	32,600	223,900	94,000	22,200	95,900	47,900	133,600	15,600	186,800	117,000	969,400
2005*	26,900	233,100	81,700	17,000	89,400	31,100	84,200	8,100	125,400	171,200	868,100
2006*	18,200	162,300	72,700	19,300	86,800	44,800	55,800	12,400	126,400	111,200	710,000
2007*	19,200	171,200	83,600	25,300	91,000	39,400	61,000	9,300	219,600	86,900	806,700
Averages											
1999-2000	29,500	218,400	127,900	19,600	104,800	43,900	108,500	14,900	115,500	233,000	1,015,800
2001-05	29,400	231,500	114,500	21,400	112,000	52,500	100,900	18,500	127,300	190,400	998,300
2006-07	18,700	166,800	78,200	22,300	88,900	42,100	58,400	10,900	173,000	99,100	758,400

* Preliminary estimate C:\Data Book\Central\Harvest Estimates\HIP Ducks.xls Revision: 07/17/08 JDK

Sheet: TOTDU-MALL-NOPI

Estimtates of Regular-Season Pintail Harvest in the Central Flyway (Based on HIP)

Year	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	1,000	26,700	13,000	900	5,200	900	5,400	1,100	6,300	69,400	129,900
2000	900	18,600	8,200	300	7,500	2,300	7,500	3,000	5,600	82,000	135,900
2001	600	21,300	12,500	400	6,800	1,800	7,300	2,400	3,800	79,100	136,100
2002	800	17,200	9,300	600	4,200	1,700	4,600	600	2,100	19,600	60,700
2003*	700	17,800	6,100	100	3,000	2,200	4,200	2,100	1,100	18,400	55,600
2004*	700	21,000	4,800	500	3,000	1,300	3,300	700	5,700	22,300	63,300
2005*	700	20,700	5,100	400	3,100	800	3,700	1,100	5,600	37,800	78,900
2006*	300	10,600	4,800	300	1,500	700	2,700	1,700	2,300	41,400	66,400
2007*	300	11,600	5,800	500	4,300	1,800	2,600	1,000	5,400	54,800	88,200
Averages											
1999-2000	1,000	22,700	10,600	600	6,400	1,600	6,500	2,100	6,000	75,700	132,900
2001-05	700	19,600	7,600	400	4,000	1,600	4,600	1,400	3,700	35,400	78,900
2006-07	300	11,100	5,300	400	2,900	1,300	2,700	1,400	3,900	48,100	77,300

* Preliminary estimate C:\Data Book\Central\Harvest Estimates\HIP Ducks.xls Revision: 07/17/08 JDK

Sheet: TOTDU-MALL-NOPI

Estimtates of Regular-Season Redhead Harvest in the Central Flyway (Based on HIP)

Year	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	600	18,700	7,100	900	2,300	1,100	3,500	100	2,700	63,000	99,900
2000	600	9,900	4,900	900	2,400	800	2,800	500	3,500	60,200	86,700
2001	0	14,000	7,300	100	2,000	400	2,900	800	2,000	63,700	93,200
2002	200	5,800	1,000	500	1,800	600	2,800	100	2,600	14,100	29,600
2003*	300	12,200	3,200	400	2,200	1,200	1,200	300	900	12,500	34,400
2004*	700	7,900	2,200	100	1,000	500	2,000	100	2,200	18,400	35,100
2005*	400	20,800	3,900	300	3,400	1,500	3,800	400	2,000	40,100	76,700
2006*	1,100	20,100	9,700	100	3,800	2,000	4,200	400	2,500	35,500	79,300
2007*	700	21,400	9,400	400	2,400	2,800	1,600	300	3,600	42,100	84,800
Averages											
1999-2000	600	14,300	6,000	900	3,400	1,000	3,200	300	3,100	61,600	93,300
2001-05	300	12,100	3,500	300	2,100	800	2,500	300	1,900	29,800	53,800
2006-07	900	20,800	10,000	300	3,100	2,400	2,900	400	3,100	38,800	82,100

* Preliminary estimate C:\Data Book\Central\Harvest Estimates\HIP Ducks.xls Revision: 07/17/08 JDK

Sheet: REDH-CANV-LESC

Estimtates of Regular-Season Canvasback Harvest in the Central Flyway (Based on HIP)

Year	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	600	7,600	1,700	100	900	100	800	100	1,400	20,300	33,600
2000	200	4,900	1,600	0	0	100	100	100	1,500	18,300	27,000
2001	200	5,000	400	100	300	100	500	0	200	7,200	14,000
2002	0	100	0	0	0	0	0	0	0	1,100	1,200
2003*	200	2,700	900	0	600	100	100	0	800	2,600	8,000
2004*	0	4,800	600	0	0	0	300	100	300	2,800	8,900
2005*	100	7,600	600	0	500	200	500	0	1,500	6,500	17,500
2006*	200	8,200	2,000	100	800	0	300	200	300	5,900	18,000
2007*	0	6,100	600	0	200	300	300	200	1,500	6,000	15,300
Averages											
1999-2000	400	6,300	1,700	50	500	100	500	100	1,500	19,300	30,300
2001-05	100	4,000	500	20	300	80	300	20	600	4,000	9,900
2006-07	100	7,200	1,300	50	500	200	300	200	900	6,000	16,700

* Preliminary estimate C:\Data Book\Central\Harvest Estimates\HIP Ducks.xls Revision: 07/17/08 JDK

Sheet: REDH-CANV-LESC

Estimtates of Regular-Season Lesser Scaup Harvest in the Central Flyway (Based on HIP)

Year	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CFTOT
1999	600	18,200	3,500	300	1,400	200	300	0	500	12,900	37,700
2000	800	23,000	4,200	100	800	800	100	300	900	52,400	83,300
2001	100	23,500	3,600	100	900	400	900	200	400	41,800	71,900
2002	800	25,500	4,500	400	3,500	1,600	2,000	300	4,100	44,800	87,400
2003*	200	17,100	3,200	400	2,600	900	900	100	1,600	17,900	45,000
2004*	200	20,200	8,100	500	800	800	1,800	0	1,400	33,100	66,800
2005*	100	21,700	4,200	200	300	400	200	0	2,400	24,800	54,400
2006*	100	20,600	7,100	100	800	500	800	300	2,100	18,700	50,900
2007*	300	16,200	4,200	0	600	200	600	300	2,500	15,800	40,700
Averages											
1999-2000	700	20,600	3,900	200	1,100	500	200	200	700	32,700	60,500
2001-05	300	21,600	4,700	300	1,600	800	1,200	100	2,000	32,500	65,100
2006-07	200	18,400	5,700	50	700	400	700	300	2,300	17,300	45,800

* Preliminary estimate C:\Data Book\Central\Harvest Estimates\HIP Ducks.xls Revision: 07/17/08 JDK

Sheet: REDH-CANV-LESC

Estimtates of Regular-Season All Duck Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY [a]	CA	NV	UT	CO [a]	AZ	NM [a]	AK	PFTOT
1999	641,600	427,500	251,500	78,300	19,300	1,214,500	88,500	252,800	20,000	53,100	2,700	77,400	3,127,300
2000	568,200	423,800	235,000	100,500	10,900	953,000	47,400	209,000	23,500	57,600	4,700	77,800	2,711,300
2001	430,700	313,500	141,800	85,800	6,400	1,067,000	36,700	170,300	16,200	39,400	6,800	77,600	2,392,200
2002	389,500	357,700	191,800	92,600	2,600	826,600	44,900	172,600	16,300	33,900	8,000	74,100	2,210,500
2003*	350,800	276,200	262,900	87,100	3,900	1,013,100	50,200	325,600	17,000	40,700	5,700	5,700	2,504,400
2004*	353,300	256,800	188,500	78,100	3,100	1,480,700	37,100	198,700	25,000	34,100	2,100	63,000	2,720,500
2005*	396,200	357,600	258,300	78,900	10,000	1,327,200	49,600	269,900	24,500	51,900	5,100	74,500	2,829,154 #
2006*	496,400	630,600	278,000	83,500	14,100	1,480,800	55,400	310,400	17,300	45,700	2,500	65,200	3,480,000
2007*	452,600	684,200	229,100	86,100	12,900	1,632,900	43,800	230,600	20,000	48,200	10,200	67,900	3,450,654 #
Averages													
1999-2000	604,900	425,600	243,300	89,400		1,083,800	68,000	230,900		55,400		77,600	2,919,300
2001-05	384,100	312,400	208,700	84,500	5,200	1,142,900	43,700	227,400	19,800	40,000	5,500	59,000	2,531,400
2006-07	474,500	657,400	253,600	84,800	13,500	1,556,900	49,600	270,500	18,700	47,000	6,400	66,600	3,465,300

All estimates are preliminary C:\Data Book\Pacific\Harvest Estimates\HIP Ducks.xls Revision: 07/17/08 JDK
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[a] For 2001-2002, harvest from Wyoming, Colorado, and New Mexico assigned to the Central Flyway pending further analysis.

Estimtates of Regular-Season Mallard Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY	CA	NV	UT	CO	AZ	NM	AK	PFTOT
1999	371,500	203,000	187,000	59,600	13,400	328,200	29,200	72,000	15,200	14,500	1,500	23,400	1,318,500
2000	332,400	203,000	171,000	78,000	8,000	309,500	15,300	66,000	15,400	17,200	2,700	19,100	1,237,500
2001	256,100	145,100	106,700	67,700	4,300	307,900	13,100	72,800	12,800	13,800	3,600	27,700	1,031,600
2002	229,300	180,200	131,600	54,900	1,200	191,300	18,700	55,800	11,500	8,700	4,000	19,500	906,800
2003*	189,700	121,100	195,900	68,600	3,300	288,100	17,800	123,400	11,800	10,700	3,200	3,200	1,058,300
2004*	178,100	89,800	122,100	55,500	2,800	359,700	12,400	67,900	17,700	11,300	1,400	21,500	940,200
2005*	212,200	142,800	172,700	58,900	5,500	349,800	12,600	85,000	17,300	14,900	3,200	30,300	1,074,807 #
2006*	269,900	261,400	167,500	58,800	5,800	349,100	22,100	97,000	10,300	6,300	1,400	22,600	1,272,200
2007*	235,400	271,000	155,500	55,300	7,100	270,300	12,900	72,200	12,600	10,300	5,000	20,000	1,107,485 #
Averages													
1999-2000	352,000	203,000	179,000	68,800	10,700	318,900	22,300	69,000	15,300	15,900	2,100	21,300	1,278,000
2001-05	213,100	135,800	145,800	61,100	3,400	299,400	14,900	81,000	14,200	11,900	3,100	20,400	1,002,300
2006-07	252,700	266,200	161,500	57,100	6,500	309,700	17,500	84,600	11,500	8,300	3,200	21,300	1,189,800

All estimates are preliminary C:\Data Book\Pacific\Harvest Estimates\HIP Ducks.xls Revision: 07/17/08 JDK
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Estimtates of Regular-Season Pintail Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY	CA	NV	UT	CO	AZ	NM	AK	PFTOT
1999	34,700	27,100	6,200	900	700	120,500	6,600	21,100	200	1,800	0	10,700	230,400
2000	40,600	30,400	6,000	1,300	300	82,200	3,300	19,100	200	2,400	0	17,100	203,000
2001	16,500	18,500	2,800	1,000	300	91,200	2,400	12,900	100	2,400	300	11,600	159,800
2002	13,400	18,000	3,200	3,000	0	67,900	2,100	10,200	100	600	400	11,200	130,200
2003*	11,000	15,700	5,900	1,200	0	79,300	1,800	18,800	0	1,200	0	0	144,000
2004*	9,300	16,600	3,400	1,100	0	98,800	800	10,200	100	500	0	6,100	147,000
2005*	21,500	27,900	6,500	1,500	100	115,700	3,400	23,400	200	2,600	0	5,800	202,728 #
2006*	21,100	47,500	5,800	2,000	100	123,200	2,600	26,900	200	2,300	0	7,600	239,400
2007*	24,900	57,400	4,600	2,100	400	137,900	3,000	19,000	200	2,600	300	7,200	252,277 #
Averages													
1999-2000	37,700	28,800	6,100	1,100	500	101,400	5,000	20,100	200	2,100	0	13,900	216,700
2001-05	14,300	19,300	4,400	1,600	80	90,600	2,100	15,100	100	1,500	100	6,900	156,700
2006-07	23,000	52,500	5,200	2,100	300	130,600	2,800	22,300	200	2,500	200	7,400	245,800

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Estimtates of Regular-Season Redhead Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY	CA	NV	UT	CO	AZ	NM	AK	PFTOT
1999	1,600	2,100	500	600	0	4,900	1,300	4,000	0	1,800	0	0	16,800
2000	1,700	2,600	1,100	500	0	4,100	400	2,800	100	1,500	0	200	15,000
2001	4,500	100	100	400	0	4,400	100	2,100	0	0	0	0	11,700
2002	1,400	400	700	1,200	0	4,200	400	1,900	0	500	0	200	10,900
2003*	1,800	200	2,500	1,100	0	8,200	700	7,900	0	300	0	0	22,900
2004*	3,100	0	2,000	400	0	9,600	1,200	4,800	100	900	0	100	22,200
2005*	2,100	600	1,000	900	0	7,800	1,800	5,900	200	400	0	300	20,630 #
2006*	2,300	1,600	1,300	700	400	9,100	1,300	7,800	200	1,600	100	0	26,300
2007*	1,500	400	900	500	300	9,500	400	4,200	200	800	300	0	18,957 #
Averages													
1999-2000	1,700	2,400	800	600	0	4,500	900	3,400	50	1,700	0	100	15,900
2001-05	2,600	300	1,300	800	0	6,800	800	4,500	60	400	0	100	17,700
2006-07	1,900	1,000	1,100	600	400	9,300	900	6,000	200	1,200	200	0	22,600

All estimates are preliminary C:\Data Book\Pacific\Harvest Estimates\HIP Ducks.xls Revision: 07/17/08 JDK
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Estimtates of Regular-Season Canvasback Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY	CA	NV	UT	CO	AZ	NM	AK	PFTOT
1999	2,100	2,300	0	500	0	12,700	1,000	1,300	0	200	0	0	20,100
2000	1,000	3,100	300	500	100	10,600	200	3,000	0	900	0	200	20,000
2001	800	600	0	100	0	6,700	100	1,000	0	200	0	0	9,500
2002	100	100	0	100	0	600	0	0	0	0	0	300	1,200
2003*	800	500	400	300	0	7,000	300	1,600	0	300	0	0	11,400
2004*	1,300	300	200	200	0	11,500	300	1,000	0	100	0	100	15,000
2005*	900	300	300	600	100	4,800	500	1,500	100	500	0	400	9,378 #
2006*	1,900	1,800	600	700	100	17,500	300	3,500	200	300	0	100	27,000
2007*	2,000	2,900	200	500	100	32,600	1,400	4,700	0	1,300	300	400	46,104 #
Averages													
1999-2000	1,600	2,700	200	500	50	11,700	600	2,200	0	600	0	100	20,100
2001-05	800	400	200	300	20	6,100	200	1,000	20	200	0	200	9,300
2006-07	2,000	2,400	400	600	100	25,100	900	4,100	100	800	200	300	36,600

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Estimtates of Regular-Season Lesser Scaup Harvest in the Pacific Flyway (Based on the Harvest Information Program)

Year	WA	OR	ID	MT	WY	CA	NV	UT	CO	AZ	NM	AK	PFTOT
1999	6,500	7,900	500	700	0	9,600	0	3,300	0	100	0	600	29,300
2000	3,900	8,200	900	2,400	0	12,600	100	2,100	200	200	0	700	31,400
2001	5,800	5,500	300	2,300	0	13,900	100	1,600	0	200	0	500	30,200
2002	3,600	8,500	800	2,300	0	11,900	300	3,500	100	500	0	1,300	32,900
2003*	5,300	7,000	1,600	700	0	13,000	200	10,100	0	200	0	0	39,000
2004*	10,700	7,900	2,400	1,300	0	26,000	200	2,600	100	300	0	900	52,300
2005*	5,100	5,800	3,200	1,000	0	8,400	200	3,800	100	700	0	1,400	28,067 #
2006*	12,200	10,800	1,800	500	200	4,700	100	3,800	100	100	0	600	34,700
2007*	9,600	15,700	700	700	200	18,400	200	5,000	200	400	300	600	51,393 #
Averages													
1999-2000	5,200	8,100	700	1,600	0	11,100	50	3,000	100	200	0	700	30,400
2001-05	6,100	6,900	1,700	1,500	0	14,600	200	4,300	60	400	0	800	36,500
2006-07	10,900	13,300	1,300	600	200	15,600	200	4,400	200	300	200	600	43,000

All estimates are preliminary C:\Data Book\Pacific\Harvest Estimates\HIP Ducks.xls Revision: 07/17/08 JDK
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DUCK STAMP SALES IN THE UNITED STATES

				P F			
YEAR	AF	MF	CF	LWR STS	AK	TOTAL	US TOTAL
1961	232,578	527,145	271,865	294,178	10,157	304,335	1,335,923
1962	236,311	411,981	185,633	295,920	10,371	306,291	1,140,216
1963	270,382	571,667	262,470	325,127	10,456	335,583	1,440,102
1964	284,756	663,791	280,810	325,119	9,244	334,363	1,563,720
1965	301,088	636,470	260,027	343,056	9,406	352,462	1,550,047
1966	336,472	758,768	311,216	379,551	10,640	390,191	1,796,647
1967	360,937	813,797	360,157	381,364	10,358	391,722	1,926,613
1968	384,762	711,745	323,885	394,208	12,411	406,619	1,827,011
1969	438,372	810,588	373,751	428,020	13,281	441,301	2,064,012
1970	496,387	1,005,265	437,120	457,545	12,936	470,481	2,409,253
1971	501,289	1,003,218	454,635	438,146	14,423	452,569	2,411,711
1972	438,264	892,774	425,003	389,586	14,918	404,504	2,160,545
1973	434,851	826,911	412,320	387,156	17,068	404,224	2,078,306
1974	448,849	892,017	426,135	396,860	16,018	412,878	2,179,879
1975	441,838	916,734	430,618	400,864	16,310	417,174	2,206,364
1976	435,933	854,924	429,661	388,340	18,455	406,795	2,127,313
1977	434,558	872,064	423,871	383,195	19,253	402,448	2,132,941
1978	451,321	848,856	430,590	381,302	19,689	400,991	2,131,758
1979	416,574	808,051	414,970	368,850	19,046	387,896	2,027,491
1980	409,281	787,236	388,865	362,690	20,110	382,800	1,968,182
1981	407,905	724,334	339,358	332,455	15,814	348,269	1,819,866
1982	402,927	709,923	358,908	340,339	18,000	358,339	1,830,097
1983	390,894	686,016	338,735	339,640	18,388	358,028	1,773,673
1984	412,865	703,159	354,306	326,461	18,475	344,936	1,815,266
1985	382,544	651,194	329,010	300,512	15,592	316,104	1,678,852
1986	387,742	673,864	335,644	272,935	19,424	292,359	1,689,609
1987	367,047	621,666	302,335	241,053	14,162	255,215	1,546,263
1988	342,527	508,198	240,976	202,641	14,973	217,614	1,309,315
1989	331,578	528,299	245,309	199,302	12,945	212,247	1,317,433
1990	326,404	557,549	238,921	196,009	13,872	209,881	1,332,755
1991	316,468	550,688	232,259	184,892	12,508	197,400	1,296,815
1992	300,332	554,396	234,489	185,744	11,041	196,785	1,286,002
1993	292,601	570,538	248,347	210,695	11,214	221,909	1,333,395
1994	296,841	635,327	264,170	209,096	11,340	220,436	1,416,774
1995	271,439	684,671	295,505	225,982	12,035	238,017	1,489,632
1996	291,829	695,871	298,751	226,292	12,856	239,148	1,525,599
1997	305,696	752,280	338,937	238,326	13,114	251,440	1,648,353
1998	296,090	735,443	327,126	235,828	11,580	247,408	1,606,067
1999	297,210	748,363	335,304	248,392	9,784	258,176	1,639,053
2000	304,325	747,734	347,201	245,434	10,134	255,568	1,654,828
2001	307,095	736,896	350,725	236,636	10,068	246,704	1,641,420
2002	308,291	710,414	323,949	223,718	10,173	233,891	1,576,545
2003	310,894	699,141	321,018	221,114	9,978	231,092	1,562,145
2004	306,956	670,534	300,334	216,000	9,692	225,692	1,503,516
2005	313,967	616,720	288,336	213,546	9,198	222,744	1,441,767
2006	275,069	636,687	294,210	208,357	8,873	217,215	1,455,899
2007*	282,879	651,725	317,095	219,438	9,927	229,365	1,481,064
AVERAGES:							
61-65	265,023	562,211	252,161	316,680	9,927	326,607	1,406,002
66-70	403,386	820,033	361,226	408,138	11,925	420,063	2,004,707
71-75	453,018	906,331	429,742	402,522	15,747	418,270	2,207,361
76-80	429,533	834,226	417,591	376,875	19,311	396,186	2,077,537
81-85	399,427	694,925	344,063	327,881	17,254	345,135	1,783,551
86-90	351,060	577,915	272,637	222,388	15,075	237,463	1,439,075
91-95	295,536	599,124	254,954	203,282	11,628	214,909	1,364,524
96-2000	299,030	735,938	329,464	238,854	11,494	250,348	1,614,780
2001-05	309,441	686,741	316,872	222,203	9,822	232,025	1,545,079
2006-07	278,974	644,206	305,653	213,898	9,400	223,290	1,468,482

* - Preliminary C:\Data book\United States\Stamp Sales.xls Revision: JDK 07/17/08

Estimtates of Regular-Season All Duck Harvest in the United States (Based on HIP)

				Pacific			
Year	Atlantic	Mississippi	Central	Lower states	Alaska	Total	U.S. Total
1999	1,829,000	7,599,900	2,895,500	3,049,900	77,400	3,127,300	15,451,700
2000	1,791,900	7,610,600	3,035,900	2,633,500	77,800	2,711,300	15,149,700
2001	1,694,600	6,410,700	3,007,300	2,314,600	77,600	2,392,200	13,504,800
2002	1,760,100	5,681,100	2,518,500	2,136,400	74,100	2,210,500	12,170,100
2003*	1,608,100	6,408,700	2,329,500	2,433,200	71,200	2,504,400	12,850,700
2004*	1,407,700	5,353,300	2,560,600	2,657,500	63,000	2,720,500	12,042,100
2005*	1,591,000	5,150,400	2,596,800	2,829,200	74,500	2,903,700	12,241,800
2006*	1,597,800	5,930,000	2,234,400	3,414,800	65,200	3,480,000	13,242,200
2007*	1,658,600	6,366,700	2,397,100	3,450,700	67,900	3,518,600	13,940,900
Averages							
1999-2000	1,810,500	7,605,300	2,965,700	2,841,700	77,600	2,919,300	15,300,700
2001-05	1,612,300	5,800,800	2,602,500	2,474,200	72,100	2,546,300	12,561,900
2006-07	1,628,200	6,148,400	2,315,800	3,432,800	66,600	3,499,300	13,591,600

* Preliminary estimates C:\Data Book\United States\HIP harvest estimates.xls

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Estimtates of Regular-Season Mallard Harvest in the United States (Based on HIP)

				Pacific			
Year	Atlantic	Mississippi	Central	Lower states	Alaska	Total	U.S. Total
1999	444,100	3,136,900	995,500	1,295,100	23,400	1,318,500	5,894,900
2000	523,000	3,272,700	1,036,000	1,218,400	19,100	1,237,500	6,069,100
2001	472,700	2,796,000	1,178,400	1,003,900	27,700	1,031,600	5,478,700
2002	538,800	2,374,300	1,013,600	887,200	19,500	906,800	4,833,600
2003*	427,300	2,570,500	962,100	1,033,500	24,800	1,058,300	5,018,200
2004*	422,000	2,199,900	969,400	918,700	21,500	940,200	4,531,500
2005*	444,300	2,049,400	868,100	1,074,800	30,300	1,105,100	4,466,900
2006*	399,700	2,286,300	710,000	1,249,500	22,600	1,272,200	4,668,000
2007*	429,900	2,514,100	806,700	1,107,500	20,000	1,127,500	4,878,300
Averages							
1999-2000	483,600	3,204,800	1,015,800	1,256,800	21,300	1,278,000	5,982,000
2001-05	461,000	2,398,000	998,300	983,600	24,800	1,008,400	4,865,800
2006-07	414,800	2,400,200	758,400	1,178,500	21,300	1,199,900	4,773,200

* Preliminary estimates C:\Data Book\United States\HIP harvest estimates.xls

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Estimtates of Regular-Season Pintail Harvest in the United States (Based on HIP)

				Pacific			
Year	Atlantic	Mississippi	Central	Lower states	Alaska	Total	U.S. Total
1999	25,100	153,300	129,900	219,800	10,700	230,400	538,700
2000	20,000	153,000	135,900	185,900	17,100	203,000	512,000
2001	20,600	125,100	136,100	148,200	11,600	159,800	441,600
2002	17,200	99,800	60,700	119,000	11,200	130,200	307,900
2003*	18,100	123,300	55,600	134,900	9,100	144,000	341,100
2004*	10,300	90,500	63,300	141,000	6,100	147,000	311,100
2005*	17,300	107,300	78,900	202,700	5,800	208,500	412,000
2006*	20,300	104,300	66,400	231,800	7,600	239,400	430,300
2007*	19,100	162,400	88,200	252,300	7,200	259,400	529,200
Averages							
1999-2000	22,600	153,200	132,900	202,900	13,900	216,700	525,400
2001-05	16,700	109,200	78,900	149,200	8,800	157,900	362,700
2006-07	19,700	133,400	77,300	242,100	7,400	249,400	479,800

* Preliminary estimates C:\Data Book\United States\HIP harvest estimates.xls

Revision: 07/17/08 JDK

Estimtates of Regular-Season Canvasback Harvest in the United States (Based on the HIP)

				Pacific			
Year	Atlantic	Mississippi	Central	Lower states	Alaska	Total	U.S. Total
1999	5,600	40,500	33,600	20,100	0	20,100	99,800
2000	16,500	49,200	27,000	19,800	200	20,000	112,600
2001	1,600	11,600	14,000	9,500	0	9,500	36,600
2002	0	600	1,200	800	300	1,200	3,000
2003*	4,700	11,300	8,000	11,200	200	11,400	35,400
2004*	9,800	10,800	8,900	14,900	100	15,000	44,500
2005*	4,400	32,800	17,500	9,400	400	9,700	64,400
2006*	1,200	45,600	18,000	26,900	100	27,000	91,900
2007*	7,000	56,400	15,300	46,100	400	46,500	125,200
Averages							
1999-2000	11,100	44,900	30,300	20,000	100	20,100	106,200
2001-05	4,100	13,400	9,900	9,200	200	9,400	36,800
2006-07	4,100	51,000	16,700	36,500	300	36,800	108,600

* Preliminary estimates C:\Data Book\United States\HIP harvest estimates.xls

Revision: 07/17/08 JDK

HARVEST AGE RATIOS (IMM./AD.) FOR MALLARDS AND BLACK DUCKS

	MALLARD						BLACK DUCK		
YEAR	A.F.	M.F.	C.F.	P.F.	AK	U.S.	A.F.	M.F.	U.S.
1961	1.97	1.09	0.62	1.24		1.05	1.68	2.00	1.74
1962	1.55	1.46	0.91	1.27		1.29	1.32	1.60	1.37
1963	1.66	1.34	0.93	1.59		1.36	1.48	1.12	1.39
1964	1.77	1.17	0.65	1.22		1.10	1.49	1.21	1.41
1965	1.83	1.63	0.89	1.88		1.60	1.38	1.69	1.46
1966	1.72	1.50	0.94	1.54	14.42	1.40	1.51	1.11	1.37
1967	1.91	1.48	0.88	1.73	4.50	1.43	1.85	1.62	1.79
1968	2.08	1.10	0.46	1.04	3.91	0.97	1.89	1.44	1.80
1969	1.62	1.81	1.01	2.02	4.51	1.63	1.32	1.12	1.27
1970	1.93	1.19	0.73	1.46	2.20	1.18	1.72	0.99	1.46
1971	1.48	0.99	0.81	1.44	2.71	1.07	1.40	1.42	1.40
1972	1.58	0.96	0.58	1.10	3.65	0.91	1.35	0.94	1.19
1973	2.17	1.32	0.67	1.13	8.35	1.13	1.82	1.26	1.62
1974	2.15	1.92	1.19	1.90	3.15	1.77	1.81		1.72
1975	1.84	1.36	0.92	1.60	4.01	1.35	1.87	1.27	1.70
1976	1.88	1.26	0.90	1.69	3.89	1.32	1.38	1.09	1.30
1977	1.57	0.84	0.46	1.13	2.43	0.86	1.81	1.32	1.64
1978	1.64	1.15	1.00	1.80	4.94	1.30	1.60	1.49	1.58
1979	2.27	1.43	0.97	1.53	4.37	1.41	1.54	1.51	1.53
1980	1.72	0.92	0.68	1.12	3.72	0.98	1.50	1.19	1.42
1981	1.36	0.77	0.52	1.00	1.92	0.82	1.67	1.24	1.56
1982	1.73	1.13	0.71	1.26	5.68	1.13	1.85	1.11	1.65
1983	1.66	1.42	0.82	1.64	4.61	1.37	1.61	1.21	1.49
1984	1.68	1.26	0.75	1.25	4.61	1.18	2.00	2.12	2.03
1985	1.50	1.09	0.78	1.20	4.01	1.11	1.82	1.23	1.67
1986	1.57	1.34	1.02	1.47	4.05	1.34	1.04	1.00	1.03
1987	1.81	1.31	0.94	1.08	3.48	1.22	1.29	1.24	1.28
1988	1.64	0.96	0.49	0.82	2.42	0.90	1.57	1.24	1.51
1989	1.75	1.12	0.67	1.31	3.64	1.16	1.41	1.08	1.32
1990	1.41	0.95	0.57	1.13	3.14	0.98	1.24	1.08	1.20
1991	1.12	0.99	0.61	0.84	2.58	0.92	1.23	0.87	1.13
1992	1.02	0.82	0.50	0.93	2.99	0.82	0.95	0.97	0.95
1993	1.36	1.17	0.67	1.47	4.98	1.17	1.42	1.11	1.32
1994	1.20	1.07	0.91	1.25	4.91	1.10	1.16	1.04	1.13
1995	1.09	0.92	0.90	1.01	3.74	0.95	1.14	0.96	1.09
1996	1.16	1.02	0.86	1.28	2.29	1.06	1.00	0.65	0.88
1997	1.26	1.16	0.91	1.52	4.74	1.20	1.39	1.75	1.48
1998	1.03	0.81	0.67	1.33	3.27	0.91	1.24	1.64	1.36
1999	0.91	0.89	0.73	0.96	5.28	0.88	0.99	1.35	1.11
2000	0.92	0.68	0.54	1.02	2.43	0.74	0.83	0.63	0.76
2001	1.14	1.33	0.71	1.22	4.56	1.13	1.10	1.19	1.26
2002	0.96	0.90	0.58	1.17	2.99	0.87	1.02	0.88	0.94
2003*	1.26	1.40	0.87	1.51	4.07	1.29	1.12	1.13	1.12
2004*	1.37	1.03	0.74	1.43	4.82	1.06	0.87	1.20	0.97
2005*	1.54	1.63	1.26	1.98	5.47	1.62	1.56	1.63	1.58
2006*	1.35	1.44	1.05	1.82	2.19	1.45	1.39	1.69	1.47
2007*	1.31	1.20	1.07	1.23	2.69	1.20	1.31	1.02	1.22
AVERAGES:									
61-65	1.76	1.34	0.80	1.44		1.28	1.47	1.52	1.47
66-70	1.85	1.42	0.80	1.56	5.91	1.32	1.66	1.26	1.54
71-75	1.84	1.31	0.83	1.43	4.37	1.25	1.65	1.22	1.53
76-80	1.82	1.12	0.80	1.45	3.87	1.17	1.57	1.32	1.49
81-85	1.59	1.13	0.72	1.27	4.17	1.12	1.79	1.38	1.68
86-90	1.64	1.14	0.74	1.16	3.35	1.12	1.31	1.13	1.27
91-95	1.16	0.99	0.72	1.10	3.84	0.99	1.18	0.99	1.12
96-2000	1.06	0.91	0.74	1.22	3.60	0.96	1.09	1.21	1.12
2001-05	1.25	1.26	0.83	1.46	4.38	1.20	1.13	1.21	1.17
2006-07	1.33	1.32	1.06	1.52	2.44	1.33	1.35	1.36	1.34

* - Preliminary C:\Data book\United States\MALL ABDU harv age ratios.xls Revision JDK 07/17/07

TUNDRA SWAN HUNTING PERMITS ISSUED FOR THE EASTERN AND WESTERN POPULATIONS

	EASTERN POPULATION						WESTERN POPULATION					
Year	MT	ND	SD	NC	VA	TOTAL	UT	NV	MT	AK	TOTAL	TOTAL
1962							1,000				1,000	1,000
1963							1,000				1,000	1,000
1964							1,000				1,000	1,000
1965							995				995	995
1966							1,000				1,000	1,000
1967							1,000				1,000	1,000
1968							1,000				1,000	1,000
1969							2,500	500			3,000	3,000
1970							2,500	500	500		3,500	3,500
1971							2,495	500	500		3,495	3,495
1972							2,500	500	500		3,500	3,500
1973							2,500	500	500		3,500	3,500
1974							2,500	500	500		3,500	3,500
1975							2,500	500	500		3,500	3,500
1976							2,500	500	500		3,500	3,500
1977							2,488	500	500		3,488	3,488
1978							2,500	500	500		3,500	3,500
1979							2,500	500	500		3,500	3,500
1980							2,500	500	500		3,500	3,500
1981							2,500	500	500		3,500	3,500
1982							2,500	500	500		3,500	3,500
1983	109					109	2,500	650	500		3,650	3,759
1984	108			1,000		1,108	2,500	650	500		3,650	4,758
1985	120			6,000		6,120	2,488	650	500		3,638	9,758
1986	170			6,000		6,170	2,500	608	500		3,608	9,778
1987	171			5,968		6,139	2,499	594	500		3,593	9,732
1988	99	400		5,995	600	7,094	2,500	260	500	112	3,372	10,466
1989	167	1,000		5,444	600	7,211	2,500	324	500	130	3,454	10,665
1990	173	1,000	500	5,989	600	8,262	2,500	297	500	81	3,378	11,640
1991	204	2,000	1,000	6,000	600	9,804	2,500	258	500	84	3,342	13,146
1992	217	2,000	1,502	5,961	600	10,280	2,500	100	500	89	3,189	13,469
1993	212	2,000	1,500	6,000	400	10,112	2,500	205	500	170	3,375	13,487
1994	232	2,000	1,500	6,000	600	10,332	2,500	206	500	216	3,422	13,754
1995	291	2,000	1,500	6,000	600	10,391	2,750	383	500	210	3,843	14,234
1996	372	2,000	1,235	5,000	600	9,207	2,750	376	500	192	3,818	13,025
1997	364	2,000	1,077	5,000	600	9,041	2,750	381	500	201	3,832	12,873
1998	429	2,000	1,216	5,000	600	9,245	2,750	492	500	192	3,934	13,179
1999	432	2,000	863	5,000	600	8,895	2,750	518	500	227	3,995	12,890
2000	434	2,000	850	5,000	600	8,884	2,000	493	500	164	3,157	12,041
2001	398	2,000	983	5,000	600	8,981	2,000	308	500	255	3,063	12,044
2002	393	2,000	1,060	5,000	600	9,053	1,998	264	500	252	3,014	12,067
2003	423	2,200	1,002	5,000	600	9,225	2,000	298	500	215	3,013	12,238
2004	320	2,200	820	5,000	600	8,940	2,000	330	500	175	3,005	11,945
2005	348	2,200	811	5,000	600	8,959	1,997	370	500	176	3,043	11,945
2006	340	2,200	811	5,000	600	8,951	1,994	605	500	168	3,267	12,218
2007	323	2,200	1,064	5,000	600	9,187	2,000	650	500	162	3,312	12,499
AVERAGES:												
1962-69							1,187	500			1,249	1,249
1970-79							2,498	500	500		3,498	3,498
1980-89	135	700		5,068	600	4,850	2,499	524	500	121	3,547	6,942
1990-99	293	1,900	1,189	5,595	580	9,557	2,625	322	500	166	3,613	13,170
2000-04	386	2,100	921	5,000	600	9,007	1,999	344	500	206	3,049	12,047
Start-2007	274	1,870	1,072	5,265	590	8,068	2,389	411	500	174	3,439	11,504

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[a] Not reported as of 7/19/2007.

NUMBER OF ACTIVE TUNDRA SWAN HUNTERS FOR THE EASTERN AND WESTERN POPULATIONS

	EASTERN POPULATION						WESTERN POPULATION					
Year	MT	ND	SD	NC	VA	TOTAL	UT	NV	MT	AK	TOTAL	TOTAL
1962												
1963												
1964							940				940	940
1965							915				915	915
1966							950				950	950
1967							910				910	910
1968							930				930	930
1969							2,225				2,225	2,225
1970							2,200		275		2,475	2,475
1971							2,146	415	245		2,806	2,806
1972							2,100	400	265		2,765	2,765
1973							2,175	375	230		2,780	2,780
1974							2,200	385	350		2,935	2,935
1975							2,175	390	350		2,915	2,915
1976							2,150	410	380		2,940	2,940
1977							2,264	380			2,644	2,644
1978							2,150	370	350		2,870	2,870
1979							2,150	390	390		2,930	2,930
1980							2,100	395	400		2,895	2,895
1981							2,225	445	330		3,000	3,000
1982							2,200	400	340		2,940	2,940
1983	70					70	2,125	507	375		3,007	3,077
1984	58			867		925	2,150	494	305		2,949	3,874
1985	60			5,080		5,140	2,021	436	275		2,732	7,872
1986	51			4,888		4,939	2,075	480	270		2,825	7,764
1987	106			5,014		5,120	1,924	404	395		2,723	7,843
1988	60	301		4,729	519	5,609	1,875	195	355	71	2,496	8,105
1989	117	865		4,446	517	5,945	1,925	262	400	81	2,668	8,613
1990	121	816	485	4,859	499	6,780	2,050	232	370	46	2,698	9,478
1991	131	1,565	850	4,849	488	7,883	1,950	181	185	53	2,369	10,251
1992	139	1,648	1,352	4,675	516	8,330	1,875	71	365	58	2,369	10,699
1993	119	1,603	1,350	4,802	334	8,208	2,025	135	380	83	2,623	10,831
1994	145	1,616	1,260	4,790	489	8,300	2,100	161	405	119	2,785	11,085
1995	175	1,638	900	4,776	495	7,984	2,172	287	340	118	2,917	10,901
1996	219	1,549	840	3,773	476	6,857	2,392	331	415	81	3,219	10,076
1997	262	1,671	872	3,892	503	7,200	2,392	328	395	125	3,240	10,440
1998	308	1,559	851	3,762	481	6,961	2,420	418	415	108	3,361	10,322
1999	282	1,675	690	3,836	445	6,928	2,338	435	390	148	3,311	10,239
2000	260	1,566	606	4,047	513	6,992	1,680	360	301	59	2,400	9,392
2001	233	1,553	827	3,997	510	7,120	1,560	240	340	151	2,291	9,411
2002	500	1,550	693	3,951	485	7,179	1,658	182	305	151	2,296	9,475
2003	199	1,436	587	4,257	520	6,999	1,740	221	250	131	2,342	9,341
2004	230	1,564	579	3,958	526	6,857	1,600	221	400	91	2,312	9,169
2005	240	1,715	539	4,180	527	7,201	1,618	270	380	83	2,351	9,552
2006	211	1,650	715	4,074	520	7,170	1775	442	325	82	1775	8,945
2007	213	1672	700	4126	509	7220	1800	501	400	70	2771	9,991
AVERAGES:												
1962-69							1,145				1,145	1,145
1970-79							2,171	391	315		2,806	2,806
1980-89	75	583		4,171	518	3,964	2,062	402	345	76	2,823	5,598
1990-99	190	1,534	945	4,401	473	7,543	2,171	258	366	94	2,889	10,432
2000-04	277	1,564	639	4,065	514	7,058	1,643	249	329	111	2,332	9,390
Start-2007	180	1,461	816	4,235	494	6,397	1,970	312	349	95	2,673	9,070

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[a] Not reported as of 7/19/2007.

ESTIMATED RETRIEVED HARVESTS OF EASTERN AND WESTERN POPULATION TUNDRA SWANS

	EASTERN POPULATION						WESTERN POPULATION					
Year	MT	ND	SD	NC	VA	TOTAL	UT	NV	MT	AK	TOTAL	TOTAL
1962							320				320	320
1963							392				392	392
1964							335				335	335
1965							336				336	336
1966							491				491	491
1967							246				246	246
1968							520				520	520
1969							1,290	87			1,377	1,377
1970							812	208	179		1,199	1,199
1971							916	102	91		1,109	1,109
1972							754	124	150		1,028	1,028
1973							981	109	101		1,191	1,191
1974							928	190	259		1,377	1,377
1975							929	188	266		1,383	1,383
1976							764	206	139		1,109	1,109
1977							1,277	84	214		1,575	1,575
1978							916	90	146		1,152	1,152
1979							804	214	275		1,293	1,293
1980							803	103	250		1,156	1,156
1981							1,141	301	177		1,619	1,619
1982							944	161	139		1,244	1,244
1983	34					34	781	169	218		1,168	1,202
1984	22			313		335	744	229	221		1,194	1,529
1985	19			2,523		2,542	343	145	185		673	3,215
1986	41			2,302		2,343	551	196	200		947	3,290
1987	27			2,684	117	2,828	226	94	280		600	3,428
1988	25	191		2,488	117	2,821	501	78	260	16	855	3,676
1989	41	511		2,128	133	2,813	694	81	302	17	1,094	3,907
1990	59	474	339	2,855	128	3,855	874	67	275	16	1,232	5,087
1991	52	704	444	2,940	205	4,345	774	62	79	8	923	5,268
1992	37	833	814	2,609	187	4,480	450	29	221	17	717	5,197
1993	18	712	545	2,773	130	4,178	337	46	290	26	699	4,877
1994	62	690	483	3,750	194	5,179	768	88	326	40	1,222	6,401
1995	56	805	172	2,833	217	4,083	348	72	182	57	659	4,742
1996	61	663	233	2,177	195	3,329	897	119	302	50	1,368	4,697
1997	101	870	403	2,325	217	3,916	704	131	300	58	1,193	5,109
1998	81	618	233	2,363	248	3,543	1,142	185	276	51	1,654	5,197
1999	93	867	223	2,290	128	3,601	858	213	226	91	1,388	4,989
2000	115	751	151	2,515	179	3,711	550	78	217	112	957	4,668
2001	93	561	337	2,322	144	3,457	249	62	289	113	713	4,170
2002	51	688	193	2,363	177	3,472	480	45	167	51	743	4,215
2003	56	235	41	2,355	174	2,861	761	77	119	77	1,034	3,895
2004	105	719	134	1,745	159	2,862	612	82	254	51	999	3,861
2005	93	772	137	2,436	195	3,633	779	100	284	41	1,204	4,837
2006	64	611	163	2,291	163	3,292	814	155	169	71	395	3,687
2007	64	652	144	2,313	193	3,366	780	217	306	64	1,367	4,733
AVERAGES:												
1962-69							491	87			502	502
1970-79							908	152	182		1,242	1,242
1980-89	30	351		2,073	122	1,959	673	156	223	17	1,055	2,427
1990-99	62	724	389	2,692	185	4,051	715	101	248	41	1,106	5,156
2000-04	86	621	166	2,289	171	3,333	572	74	222	74	942	4,274
Start-2007	59	646	288	2,404	171	3,235	641	113	238	51	1,000	4,235

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[a] Not reported as of 7/19/2007.

AVERAGE SEASONAL TUNDRA SWAN BAG (RETRIEVED & UNRETRIEVED) PER ACTIVE HUNTER

	EASTERN POPULATION						WESTERN POPULATION						
Year	MT	ND	SD	NC	VA	TOTAL	UT	NV	MT	AK	TOTAL	TOTAL	
1962													
1963													
1964							0.45				0.45	0.45	
1965							0.43				0.43	0.43	
1966							0.60				0.60	0.60	
1967							0.37				0.37	0.37	
1968							0.67				0.67	0.67	
1969							0.70				0.75	0.75	
1970							0.45		0.65		0.56	0.56	
1971							0.51	0.29	0.37		0.46	0.46	
1972							0.42	0.35	0.57		0.42	0.42	
1973							0.56	0.32	0.49		0.52	0.52	
1974							0.52	0.56	0.90		0.57	0.57	
1975							0.50	0.57	0.87		0.56	0.56	
1976							0.42	0.55	0.40		0.43	0.43	
1977							0.70	0.25			0.73	0.73	
1978							0.59	0.25	0.47		0.53	0.53	
1979							0.49	0.66	0.86		0.56	0.56	
1980							0.47	0.30	0.68		0.48	0.48	
1981							0.65	0.79	0.59		0.67	0.67	
1982							0.56	0.46	0.44		0.53	0.53	
1983	0.49					0.49	0.48	0.38	0.63		0.48	0.48	
1984	0.39			0.39		0.39	0.39	0.51	0.74		0.45	0.43	
1985	0.32			0.55		0.55	0.21	0.36	0.72		0.28	0.45	
1986	0.80			0.53		0.53	0.32	0.53	0.80		0.40	0.48	
1987	0.26			0.60		0.62	0.13	0.26	0.77		0.24	0.49	
1988	0.45	0.72		0.58	0.24	0.55	0.32	0.42	0.79	0.23	0.39	0.50	
1989	0.39	0.68		0.53	0.29	0.53	0.44	0.32	0.85	0.27	0.48	0.52	
1990	0.51	0.70	0.84	0.64	0.29	0.63	0.50	0.31	0.80	0.35	0.52	0.60	
1991	0.41	0.52	0.61	0.65	0.45	0.61	0.48	0.35	0.46	0.15	0.46	0.57	
1992	0.27	0.59	0.71	0.62	0.40	0.61	0.26	0.44	0.62	0.29	0.32	0.54	
1993	0.18	0.49	0.51	0.62	0.41	0.56	0.19	0.36	0.84	0.36	0.30	0.50	
1994	0.44	0.48	0.47	0.82	0.41	0.67	0.42	0.59	0.86	0.35	0.49	0.63	
1995	0.34	0.55	0.22	0.67	0.45	0.57	0.19	0.32	0.57	0.49	0.26	0.49	
1996	0.30	0.48	0.30	0.61	0.42	0.52	0.48	0.41	0.78	0.65	0.51	0.52	
1997	0.44	0.56	0.51	0.64	0.45	0.59	0.38	0.45	0.90	0.52	0.45	0.55	
1998	0.29	0.43	0.29	0.65	0.52	0.53	0.59	0.50	0.78	0.48	0.60	0.55	
1999	0.34	0.57	0.36	0.61	0.30	0.55	0.46	0.53	0.61	0.65	0.49	0.53	
2000	0.50	0.52	0.30	0.67	0.36	0.57	0.39	0.24	0.82	1.95	0.46	0.54	
2001	0.40	0.36	0.41	0.63	0.30	0.49	0.20	0.27	0.94	0.77	0.35	0.45	
2002	0.11	0.48	0.32	0.63	0.38	0.51	0.34	0.28	0.60	0.36	0.37	0.48	
2003	0.29	0.18	0.07	0.58	0.35	0.43	0.50	0.37	0.53	0.63	0.50	0.45	
2004	0.48	0.50	0.25	0.46	0.32	0.44	0.45	0.44	0.67	0.60	0.49	0.45	
2005	0.42	0.49	0.29	0.62	0.40	0.54	0.54	0.39	0.83	0.55	0.57	0.55	
2006	0.30	0.40	0.25	0.59	0.33	0.48	0.53	0.36	0.53	0.88	0.30		NR[a]
2007	0.31	0.44	0.23	0.57	0.39	0.49	0.50	0.45	0.82	0.93	0.54	0.50	
AVERAGES:													
1962-69							0.54				0.54	0.54	
1970-79							0.51	0.42	0.62		0.53	0.53	
1980-89	0.44	0.70		0.53	0.27	0.52	0.40	0.43	0.70	0.25	0.44	0.50	
1990-99	0.35	0.54	0.48	0.65	0.41	0.58	0.39	0.43	0.72	0.43	0.44	0.55	
2000-04	0.36	0.42	0.27	0.60	0.35	0.50	0.40	0.33	0.73	0.81	0.46	0.49	
Start-2007	0.38	0.51	0.39	0.60	0.37	0.54	0.39	0.39	0.73	0.57	0.43	0.51	

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[a] Not reported as of 7/19/2007.

SALES OF MIGRATORY GAME BIRD HUNTING PERMITS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1966	13,269	3,271	7,220	8,535	35,868	144,063	37,784	44,744	52,911	32,394				380,059
1967	14,863	3,094	7,883	7,739	32,491	146,493	35,620	44,651	55,892	33,195				381,921
1968	17,645	3,649	9,022	9,558	37,110	139,182	38,712	43,596	53,623	33,301				385,398
1969	19,089	3,794	8,848	10,110	39,477	134,037	41,611	45,347	53,602	32,764				388,679
1970	21,347	3,926	9,926	10,293	46,009	135,231	39,230	47,722	59,986	31,350				405,020
1971	23,460	4,513	11,381	11,146	50,276	133,563	40,960	49,448	62,902	30,225				417,874
1972	23,682	4,492	12,158	11,336	53,082	131,427	41,133	50,004	63,309	31,032				421,655
1973	27,919	4,972	15,071	12,869	57,247	141,277	41,711	51,307	67,012	33,456				452,841
1974	25,127	5,038	13,791	11,916	58,345	136,469	37,167	51,504	66,127	27,764	591	323		434,162
1975	30,115	4,963	13,990	12,930	63,768	148,670	42,846	57,723	69,191	25,918	721	485		471,320
1976	29,621	5,756	13,326	13,743	66,453	143,816	46,816	61,669	75,739	26,561	893	513		484,906
1977	36,188	6,158	15,744	14,209	72,828	156,895	46,438	60,029	82,175	28,357	902	607		520,530
1978	37,297	6,396	16,297	15,249	74,745	159,698	50,169	57,958	77,117	28,561	821	638		524,946
1979	35,490	5,888	14,098	13,409	73,209	150,224	49,344	56,174	77,021	28,263	755	584		504,459
1980	31,362	5,802	14,257	12,471	76,133	147,952	48,340	54,081	79,318	27,943	732	525		498,916
1981	31,406	5,611	14,130	12,287	75,178	141,677	46,528	42,856	66,163	28,243	764	514		465,357
1982	31,215	5,461	13,728	12,759	72,850	144,436	45,273	47,236	64,968	26,522	800	572		465,820
1983	30,977	5,898	13,468	12,758	67,700	139,569	40,443	45,383	61,742	24,170	750	474		443,332
1984	31,309	5,525	12,896	11,486	65,308	140,521	35,238	37,720	51,717	21,892	850	496		414,958
1985	25,652	5,171	10,749	10,354	60,823	130,089	31,753	36,445	44,880	18,753	713	361		375,743
1986	25,498	5,300	11,047	11,083	59,685	131,930	33,570	37,692	45,042	17,924	692	358		379,821
1987	21,080	4,959	10,299	9,897	55,124	122,472	30,207	29,930	40,122	16,259	523	391		341,263
1988	23,655	4,906	10,264	10,646	57,206	117,310	25,108	23,258	34,513	15,595	496	367		323,324
1989	24,707	4,838	10,092	9,971	54,605	114,292	23,898	22,916	34,559	14,694	420	308		315,300
1990	24,831	4,625	10,115	9,974	54,700	115,130	22,641	22,964	32,212	13,851	431	240		311,714
1991	20,738	4,209	10,104	9,997	53,739	108,802	22,122	22,414	29,399	13,601	352	300		295,777
1992	20,310	3,753	9,192	9,337	49,262	103,395	20,048	20,620	28,056	12,429	348	256		277,006
1993	20,585	3,609	8,988	9,008	47,675	95,824	19,199	19,771	26,787	11,818	327	287		263,878
1994	20,399	3,380	9,314	9,468	46,537	92,344	18,838	20,254	26,211	11,037	320	294		258,396
1995	20,231	3,479	9,176	8,674	38,955	83,720	19,630	20,554	25,747	9,855	342	318		240,681
1996	16,312	3,303	8,652	8,536	36,004	80,194	19,702	20,475	27,299	10,069	318	306		231,170
1997	14,289	3,051	7,731	7,546	31,435	72,521	18,918	20,109	26,847	10,185	278	268		213,178
1998	13,101	2,946	7,681	7,095	30,113	70,407	18,445	21,822	22,238	9,816	286	231		204,181
1999	13,111	2,671	7,410	6,821	30,124	67,077	17,433	21,685	21,415	9,314	292	231		197,584
2000	12,217	2,805	7,072	6,399	30,271	63,672	15,810	21,908	21,792	9,007	267	224	0	191,444
2001	16,998	2,416	6,645	5,975	29,138	58,458	15,038	18,387	19,527	8,185	223	251	20	181,261
2002	16,056	2,341	6,316	5,942	28,702	56,645	14,832	16,958	17,814	7,464	244	217	24	173,555
2003	15,626	2,316	5,926	6,065	29,376	56,911	15,124	18,155	18,372	6,509	243	159	12	174,794
2004	14,810	1,724	5,727	5,705	28,872	55,523	14,244	18,273	18,768	6,402	192	180	19	170,439
2005	13,569	1,512	5,485	5,556	28,095	53,151	13,834	18,558	19,322	6,181	192	204	23	165,682
2006*	14,217	1,470	5,381	5,329	27,058	54,363	14,229	18,556	19,379	5,826	202	167	19	166,196
2007*	15,662	1,563	5,461	5,399	27,871	53,594	13,805	19,275	20,395	6,112	184	207	19	169,681
AVERAGES:														
66-70	17,243	3,971	9,794	10,277	43,218	135,503	40,128	46,528	57,528	31,910				399,243
71-75	26,061	4,866	13,753	12,263	58,111	139,461	40,714	52,635	66,410	29,543	656	404		444,995
76-80	33,992	6,000	14,744	13,816	72,674	151,717	48,221	57,982	78,274	27,937	821	573		506,751
81-85	30,112	5,533	12,994	11,929	68,372	139,258	39,847	41,928	57,894	23,916	775	483		433,042
86-90	23,954	4,926	10,363	10,314	56,264	120,227	27,085	27,352	37,290	15,665	512	333		334,284
91-95	20,453	3,686	9,355	9,297	47,234	96,817	19,967	20,723	27,240	11,748	338	291		267,148
96-00	13,806	2,955	7,709	7,279	31,589	70,774	18,062	21,200	23,918	9,678	288	252		207,511
01-05	15,412	2,062	6,020	5,849	28,837	56,138	14,614	18,066	18,761	6,948	219	202	20	176,537
06-10	14,940	1,517	5,421	5,364	27,465	53,979	14,017	18,916	19,887	5,969	193	187	19	167,939

* - PRELIMINARY C:\Data book\Atlantic\Canada\Permit sales.xls Sheet: ALL Revision JDK 07/17/08

** Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF ALL-DUCK HARVESTS IN CANADA, 1968-2007

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*	44,300	19,400	54,800	59,600	333,300	794,000	295,700	292,700	459,100	362,600				2,715,500
1969*	62,700	25,300	50,100	62,900	465,700	928,100	467,300	557,700	778,200	270,100				3,668,100
1970*	66,500	28,900	59,200	61,000	464,900	872,300	518,100	930,500	904,700	283,900				4,190,000
1971*	53,300	30,500	71,100	56,600	454,500	739,000	332,200	690,200	848,000	228,600				3,504,000
1972	56,200	18,200	55,700	51,100	414,900	815,700	356,200	615,100	800,200	260,700				3,444,000
1973	111,500	18,000	117,400	51,900	493,100	752,700	251,900	471,900	831,600	255,400				3,355,400
1974	103,800	31,400	105,500	58,700	569,500	811,500	249,600	699,700	1,014,300	210,900				3,854,900
1975	101,700	28,400	118,000	59,100	467,900	938,300	299,200	807,300	850,700	236,200	9,500	5,000		3,921,300
1976	98,400	37,400	117,900	68,600	602,900	976,400	352,300	807,800	886,600	231,200	29,200	3,900		4,212,600
1977	132,900	30,200	134,500	53,800	631,200	913,300	259,400	508,800	781,100	259,600	20,800	3,100		3,728,700
1978	142,700	30,000	109,500	65,800	529,100	943,200	361,200	527,300	581,700	210,500	18,100	3,000		3,522,100
1979	122,200	20,900	88,400	49,100	460,400	845,400	383,400	582,700	679,300	204,400	9,400	3,000		3,448,600
1980	106,000	31,900	124,700	59,900	500,200	912,100	335,100	443,600	688,800	186,300	11,500	3,000		3,403,100
1981	114,400	26,200	113,600	59,000	507,900	850,100	293,900	273,300	525,600	188,300	5,000	1,500		2,958,800
1982	111,500	39,600	87,700	60,600	512,500	862,000	280,900	324,100	458,200	163,100	3,100	1,100		2,904,400
1983	119,500	36,100	117,300	72,900	454,000	888,400	284,400	381,700	515,700	193,500	13,000	3,000		3,079,500
1984	115,500	35,000	95,600	68,900	439,800	832,800	215,300	258,300	438,500	173,700	11,500	3,200		2,688,100
1985	110,300	31,100	92,300	69,600	494,900	871,500	174,500	210,900	282,800	145,400	15,500	3,000		2,501,800
1986	124,300	29,600	99,800	71,000	434,100	821,800	207,800	226,500	273,600	124,300	5,400	2,900		2,421,100
1987	59,200	28,700	86,100	59,900	468,900	772,400	213,200	207,200	305,300	133,000	4,400	1,500		2,339,800
1988	83,800	34,300	84,800	63,600	446,900	661,300	126,000	104,800	183,100	115,500	5,100	1,300		1,910,500
1989	92,700	21,600	120,700	64,400	433,800	682,800	121,000	104,100	254,800	102,900	1,200	800		2,000,800
1990	91,500	20,100	104,000	70,500	456,300	684,500	111,800	115,700	231,900	96,200	2,100	500		1,985,100
1991	55,800	28,500	76,700	47,600	357,400	618,000	106,700	102,800	164,600	79,800	800	1,100		1,639,800
1992	63,490	14,995	90,203	52,749	345,468	539,960	119,146	90,093	129,381	80,352	1,237	864		1,527,938
1993	63,384	21,069	90,346	49,239	385,095	564,701	91,892	76,017	119,744	69,688	1,746	1,319		1,534,240
1994	78,453	17,530	87,322	51,273	342,454	502,989	113,788	128,611	163,664	76,716	1,999	882		1,565,681
1995	67,360	27,892	93,199	74,272	298,999	512,934	135,147	149,321	152,792	62,222	2,156	1,392		1,577,686
1996	56,532	19,257	79,992	56,202	255,647	460,414	168,503	190,133	183,079	72,241	1,988	597		1,544,585
1997	57,709	21,371	74,203	50,635	261,923	461,372	183,468	204,211	229,746	81,180	1,667	392		1,627,877
1998	61,367	15,361	82,094	59,803	256,382	425,275	175,742	205,545	170,071	87,429	1,985	1,102		1,542,156
1999	51,464	19,923	86,556	56,641	270,264	385,577	162,355	233,178	157,613	70,934	1,431	308		1,496,244
2000	63,617	13,540	69,188	52,476	244,486	367,333	148,147	242,275	160,684	73,409	1,055	460	114	1,436,784
2001	50,206	17,815	58,477	41,656	215,780	364,497	168,274	153,503	135,353	55,594	1,021	409	0	1,262,585
2002	50,457	15,651	62,118	43,051	189,473	351,891	155,537	173,087	125,532	58,736	3,344	1,131	0	1,230,008
2003	41,648	14,637	55,788	44,613	177,880	313,728	128,550	185,457	124,369	51,992	1,815	548	710	1,141,735
2004	44,272	9,944	47,771	32,306	171,618	289,678	146,093	195,058	136,064	43,430	1,927	184	0	1,118,345
2005	42,897	12,410	44,881	34,810	182,650	273,663	161,893	225,848	152,716	52,576	2,063	2,293	0	1,188,700
2006**	48,138	12,680	44,651	37,114	186,036	303,982	173,737	243,088	153,467	41,048	524	167	0	1,244,632
2007**	63,554	12,373	57,347	40,065	172,585	273,613	143,709	242,541	159,477	44,313	1,569	1,855	0	1,212,174
AVERAGES:														
68-71	56,700	26,025	58,800	60,025	429,600	833,350	403,325	617,775	747,500	286,300				3,519,400
72-75	93,300	24,000	99,150	55,200	486,350	829,550	289,225	648,500	874,200	240,800	9,500	5,000		3,643,900
76-80	120,440	30,080	115,000	59,440	544,760	918,080	338,280	574,040	723,500	218,400	17,800	3,200		3,663,020
81-85	114,240	33,600	101,300	66,200	481,820	860,960	249,800	289,660	444,160	172,800	9,620	2,360		2,826,520
86-90	90,300	26,860	99,080	65,880	448,000	724,560	155,960	151,660	249,740	114,380	3,640	1,400		2,131,460
91-95	65,697	21,997	87,554	55,027	345,883	547,717	113,335	109,368	146,036	73,756	1,588	1,111		1,569,069
96-00	58,138	17,890	78,407	55,151	257,740	419,994	167,643	215,068	180,239	77,039	1,625	572	114	1,529,529
01-05	45,896	14,091	53,807	39,287	187,480	318,691	152,069	186,591	134,807	52,466	2,034	913	142	1,188,275
06-10	55,846	12,527	50,999	38,590	179,311	288,798	158,723	242,815	156,472	42,681	1,047	1,011	0	1,228,403

* - 1968-71 ESTIMATES ARE USEFUL ONLY FOR DISTRIBUTION OF HARVEST AMONG PROVINCES. THEY ARE NOT COMPARABLE WITH ESTIMATES IN SUBSEQUENT YEARS BECAUSE DIFFERENT SURVEY PROCEDURES WERE USED.

*** Represents the new (2000) province/territory of Nunavut.

**PRELIMINARY

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Sheet: All ducks
Revision JDK 07/17/08

ESTIMATES OF MALLARD HARVESTS IN CANADA, 1968-2007

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*					41,800	231,700	148,600	191,500	275,000	138,300				1,026,900
1969*	100	200	900	500	38,400	228,900	281,300	386,300	541,800	131,900				1,610,300
1970*			700	1,000	42,200	213,900	310,300	687,200	634,300	133,800				2,023,400
1971*		400	700	800	42,400	223,800	198,000	531,700	568,000	113,700				1,679,500
1972	400	100	800	800	61,500	254,200	214,500	477,800	557,600	114,800				1,682,500
1973	100	400	1,200	1,200	72,300	255,400	137,500	349,100	546,900	106,000				1,470,100
1974	300	200	500	1,300	74,100	257,200	145,000	499,600	714,100	108,600				1,800,900
1975	700	400	900	700	58,200	296,200	154,300	572,100	531,500	122,700	4,700	1,300		1,743,700
1976	700	300	1,500	800	73,700	318,200	205,100	608,700	612,300	116,200	13,800	1,000		1,952,300
1977	1,100	200	2,300	700	83,600	264,900	163,100	392,400	515,600	129,300	10,700	800		1,564,700
1978	800	300	1,200	1,500	62,400	322,400	239,600	396,700	379,600	116,800	6,700	1,300		1,529,300
1979	500	500	800	1,600	68,300	265,600	245,100	422,700	486,500	116,500	2,700	1,900		1,612,700
1980	0	1,000	3,200	1,400	81,300	290,500	210,000	354,600	482,400	103,400	5,000	1,400		1,534,200
1981	2,400	1,400	2,400	2,500	92,800	281,400	174,600	230,200	388,200	115,000	2,400	900		1,294,200
1982	500	400	1,400	1,800	94,800	333,700	150,300	241,100	295,000	91,500	3,100	0		1,213,600
1983	1,100	1,000	4,100	2,500	87,100	297,800	159,800	285,800	363,700	121,600	4,000	900		1,329,400
1984	800	700	2,100	1,600	66,800	283,600	118,100	181,700	304,800	89,900	7,500	1,700		1,059,300
1985	400	1,300	3,200	3,300	97,200	290,500	84,500	158,400	180,900	81,800	5,800	1,200		908,500
1986	2,500	700	3,200	2,500	84,400	265,400	113,500	151,100	182,000	72,200	800	900		879,200
1987	1,100	1,100	4,200	3,200	116,800	319,100	137,000	163,600	215,300	78,300	500	300		1,040,500
1988	0	1,000	2,400	1,600	82,300	233,700	59,800	73,500	138,000	64,000	4,700	400		661,400
1989	1,300	1,000	4,300	2,200	74,100	261,800	68,000	75,700	187,000	56,500	1,600	800		734,300
1990	1,000	900	3,500	3,200	86,500	262,700	56,700	78,800	173,900	60,100	2,000	400		729,700
1991	1,000	1,100	3,800	4,700	77,700	218,300	60,200	70,300	121,000	51,700	100	700		610,600
1992	967	198	6,343	5,260	89,551	196,776	66,189	66,902	95,405	51,840	668	244		580,343
1993	1,063	1,071	5,110	3,585	97,625	197,754	41,191	49,752	80,268	43,430	1,158	547		522,554
1994	830	828	3,172	2,755	103,446	192,356	56,301	87,448	108,951	49,233	1,999	201		607,520
1995	532	751	4,822	5,131	83,307	176,680	74,206	104,296	111,048	40,782	1,509	278		603,342
1996	351	1,024	4,286	4,044	82,201	176,869	91,266	121,608	115,668	42,447	1,326	0		641,090
1997	1,461	417	8,047	5,371	77,594	178,169	107,379	133,017	151,167	55,513	437	126		718,698
1998	1,628	1,011	5,440	7,512	76,320	164,431	104,470	129,461	119,826	52,663	881	276		663,919
1999	1,188	667	6,305	4,866	69,568	131,901	82,639	182,714	105,126	48,002	0	220		633,196
2000	1,511	1,915	5,481	5,999	81,655	162,352	67,467	197,400	110,163	51,925	512	72	0	686,452
2001	601	1,192	5,721	7,047	79,896	166,629	92,115	107,413	94,699	35,575	643	229	0	591,760
2002	300	2,176	6,498	6,002	66,533	147,847	77,992	118,857	80,707	37,371	1,702	609	0	546,594
2003	696	804	4,711	6,511	58,873	138,099	66,403	126,397	73,088	35,384	410	110	0	511,486
2004	1,985	1,100	5,245	5,228	65,284	132,188	75,970	129,630	78,270	28,516	275	37	0	523,728
2005	754	1,681	4,544	4,732	72,231	115,284	87,315	144,393	78,798	33,586	688	0	0	544,006
2006**	753	1,122	5,490	6,389	72,245	124,751	111,026	174,174	88,533	28,928	215	0	0	613,626
2007**	1,837	1,289	5,711	7,030	65,187	119,403	68,121	163,912	82,133	30,167	897	265	0	545,952
AVERAGES:														
68-71	100	300	767	767	41,200	224,575	234,550	449,175	504,775	129,425				1,585,025
72-75	375	275	850	1,000	66,525	265,750	162,825	474,650	587,525	113,025	4,700	1,300		1,674,300
76-80	620	460	1,800	1,200	73,860	292,320	212,580	435,020	495,280	116,440	7,780	1,280		1,638,640
81-85	1,040	960	2,640	2,340	87,740	297,400	137,460	219,440	306,520	99,960	4,560	940		1,161,000
86-90	1,180	940	3,520	2,540	88,820	268,540	87,000	108,540	179,240	66,220	1,920	560		809,020
91-95	878	790	4,649	4,286	90,326	196,373	59,617	75,740	103,334	47,397	1,087	394		584,872
96-00	1,228	1,007	5,912	5,558	77,468	162,744	90,644	152,840	120,390	50,110	631	139	0	668,671
01-05	867	1,391	5,344	5,904	68,563	140,009	79,959	125,338	81,112	34,086	744	197	0	543,515
06-10	1,295	1,206	5,601	6,710	68,716	122,077	89,574	169,043	85,333	29,548	556	133	0	579,789

* - 1968-71 ESTIMATES ARE USEFUL ONLY FOR DISTRIBUTION OF HARVEST AMONG PROVINCES. THEY ARE NOT COMPARABLE WITH ESTIMATES IN SUBSEQUENT YEARS BECAUSE DIFFERENT SURVEY PROCEDURES WERE USED.

*** Represents the new (2000) province/territory of Nunavut.

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ESTIMATES OF BLACK DUCK HARVESTS IN CANADA, 1968-2007

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*	14,800	4,600	24,000	23,900	87,800	118,900					0	0		274,000
1969*	24,500	9,300	30,400	25,400	85,500	106,700	1,400				0	0		283,200
1970*	23,000	8,800	30,200	22,900	104,600	116,500	1,000				0	0		307,000
1971*	17,800	16,400	43,000	22,400	113,000	97,600	700				0	0		310,900
1972	22,900	9,700	35,700	17,800	103,200	100,800	300				0	0		290,400
1973	21,400	6,900	50,800	22,400	120,700	95,000	400	400			0	0		318,000
1974	29,700	16,600	44,400	22,500	110,100	83,800	700				0	0		307,800
1975	32,900	14,200	57,300	22,900	91,400	83,900	200	100			0	0		302,900
1976	23,200	22,100	57,300	26,200	118,400	95,800	200	700			0	0		343,900
1977	41,100	17,700	67,900	19,600	131,500	81,500	800	500			0	0		360,600
1978	46,200	20,000	64,700	26,300	130,800	90,200	400			100	0	0		378,700
1979	41,700	12,700	43,900	17,400	113,100	86,800	300	400	300	300	0	0		316,900
1980	31,300	21,500	68,700	28,300	120,400	92,700	2,100	300			0	0		365,300
1981	41,200	16,000	57,900	26,900	105,500	77,600	400	200			0	0		325,700
1982	28,400	25,300	47,200	31,200	117,800	86,700	200	500			0	0		337,300
1983	29,700	24,100	57,000	31,000	101,900	61,100	300				0	0		305,100
1984	26,800	23,200	51,600	33,400	107,600	64,400	400		500		0	0		307,900
1985	28,900	18,700	44,000	32,800	110,500	64,700	500	200		0	0	0		300,300
1986	26,600	18,700	46,000	27,700	114,700	59,600	400	300	0	0	0	0		294,000
1987	16,800	17,600	43,600	26,700	129,900	62,400	0	0	0	0	0	0		297,000
1988	19,900	20,900	44,700	31,100	126,100	59,800	0	100	100	0	0	0		302,700
1989	28,600	11,800	47,000	25,800	101,500	47,900	200	0	0	0	0	0		262,800
1990	23,600	11,600	37,800	26,700	105,800	38,800	100	700	300	100	0	0		245,500
1991	16,600	14,900	39,600	20,200	91,800	50,700	1,200	300	1,400	300	0	0		237,000
1992	14,364	8,053	38,715	23,287	83,069	38,328	136	237	76	0	0	0		206,265
1993	13,483	9,785	35,679	18,772	85,531	33,226	1,275	0	0	0	0	0		197,751
1994	16,908	9,811	31,034	22,256	64,913	24,099	243	163	0	0	0	34		169,461
1995	15,461	13,355	40,546	29,332	54,776	33,470	0	204	0	17	0	0		187,161
1996	19,447	9,469	39,759	20,418	49,219	25,289	0	0	0	0	0	0		163,601
1997	18,816	12,982	32,666	17,966	56,103	26,309	265	147	215	0	0	0		165,469
1998	22,410	6,789	33,852	22,802	49,065	23,091	165	0	81	124	0	0		158,379
1999	19,058	10,782	44,658	22,445	51,385	26,579	36	0	0	0	0	0		174,943
2000	21,605	6,980	43,922	18,083	43,476	19,995	222	653	0	0	0	0	0	154,936
2001	16,802	9,465	26,730	12,879	38,719	19,187	293	0	0	0	0	0	0	124,075
2002	18,022	6,214	28,310	14,449	36,348	19,133	0	77	89	0	0	0	0	122,642
2003	10,175	7,229	26,010	15,219	35,078	15,178	0	334	0	0	0	0	0	109,223
2004	12,888	4,828	16,971	9,776	30,590	16,711	0	0	0	0	0	0	0	91,764
2005	9,333	4,560	16,717	9,031	34,472	15,276	191	0	0	0	0	0	0	89,580
2006**	16,529	5,168	20,630	11,159	33,900	16,644	0	0	0	0	0	0	0	104,030
2007**	20,485	7,054	24,180	10,391	27,596	13,462	140	503	0	0	0	0	0	103,811
AVERAGES:														
68-71	20,025	9,775	31,900	23,650	97,725	109,925	1,033							293,775
72-75	26,725	11,850	47,050	21,400	106,350	90,875	400	250						304,775
76-80	36,700	18,800	60,500	23,560	122,840	89,400	760	475	300	200				353,080
81-85	31,000	21,460	51,540	31,060	108,660	70,900	360	300						315,260
86-90	23,100	16,120	43,820	27,600	115,600	53,700	140	220	80	20				280,400
91-95	15,363	11,181	37,115	22,769	76,018	35,965	571	181	295	63	0	7		199,528
96-00	20,267	9,400	38,971	20,343	49,850	24,253	138	160	59	25	0	0	0	163,466
01-05	13,444	6,459	22,948	12,271	35,041	17,097	97	82	18	0	0	0	0	107,457
06-10	18,507	6,111	22,405	10,775	30,748	15,053	70	252	0	0	0	0	0	103,921

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*** Represents the new (2000) province/territory of Nunavut.

** PRELIMINARY

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ESTIMATES OF PINTAIL HARVESTS IN CANADA, 1968-2007

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*					21,300		25,800	16,300	51,200	55,500				170,100
1969*	2,200	800	500	1,000	20,500	10,900	21,100	33,800	48,700	23,700				163,200
1970*	900	1,300	1,400	1,900	26,600	14,900	30,700	66,400	78,100	36,500				258,700
1971*	1,000	700	600	1,500	25,800	10,400	20,300	46,000	71,600	28,400				206,300
1972	1,000	400	400	400	16,900	9,700	16,700	29,100	68,900	48,700				192,200
1973	2,600	500	1,100	1,000	19,400	10,500	18,300	31,000	94,700	48,900				228,000
1974	1,100	1,100	1,300	1,300	21,000	10,800	10,700	51,900	98,700	25,700				223,600
1975	900	400	500	800	22,000	9,700	20,400	56,300	82,500	23,200	200	700		217,600
1976	1,300	700	1,000	1,700	29,000	17,300	17,600	34,300	60,800	35,200	2,600	300		201,800
1977	2,400	1,800	1,200	1,000	40,600	14,500	11,600	19,900	71,300	30,400	600	400		195,700
1978	900	800	700	1,400	20,600	13,200	20,700	13,700	38,100	23,000	2,200	200		135,500
1979	1,800	600	500	1,100	15,300	9,100	20,300	29,600	48,300	17,900	1,700	200		146,400
1980	900	500	700	1,300	17,100	13,300	12,700	17,900	43,900	20,900	0	100		129,300
1981	1,100	800	1,000	1,200	17,500	11,600	15,100	2,300	41,000	19,200	100	400		111,300
1982	0	1,600	1,100	1,500	20,300	10,200	14,300	12,700	28,700	14,000	0	0		104,400
1983	2,300	600	700	300	16,300	10,600	11,800	16,800	27,800	13,200	3,700	300		104,400
1984	1,700	1,100	700	900	9,500	35,500	13,200	13,000	32,500	18,700	500	500		127,800
1985	1,600	1,000	1,400	1,800	16,500	15,300	10,900	7,700	23,700	11,500	0	900		92,300
1986	700	600	800	1,700	13,000	9,300	6,700	9,000	9,000	8,800	0	800		60,400
1987	1,100	1,800	600	1,100	11,900	6,300	5,400	8,800	21,200	11,600	0	700		70,500
1988	2,200	1,300	500	800	12,600	8,000	14,000	6,000	15,300	11,000	0	0		71,700
1989	1,500	700	300	1,400	15,600	11,500	8,000	4,900	12,000	8,300	200	0		64,400
1990	4,400	500	700	1,700	19,800	8,300	5,600	10,200	13,600	7,700	600	100		73,200
1991	400	600	900	800	7,600	4,300	4,500	4,600	5,700	4,000	100	100		33,600
1992	0	904	84	473	6,327	4,857	5,214	2,076	6,930	6,521	169	67		33,622
1993	1,133	1,228	911	682	11,113	4,946	5,103	3,263	3,907	4,447	65	0		36,798
1994	946	707	1,093	1,084	10,887	4,526	4,769	7,229	7,252	4,727	0	63		43,283
1995	1,727	454	965	1,240	7,831	4,552	8,974	6,521	7,573	4,476	0	0		44,313
1996	1,246	478	897	1,234	5,043	4,011	10,323	14,477	9,621	5,367	0	0		52,697
1997	785	139	116	493	7,423	5,560	13,248	13,656	13,883	5,422	37	0		60,762
1998	1,026	0	653	757	7,735	6,361	14,347	11,099	11,119	6,462	19	276		59,854
1999	390	1,137	755	1,790	8,956	6,457	9,830	10,610	10,304	5,464	0	0		55,693
2000	470	509	499	581	6,480	5,397	2,633	13,468	9,448	2,240	38	0	0	41,763
2001	137	0	401	611	4,911	3,709	9,207	7,051	8,732	4,807	19	60	0	39,645
2002	1,153	78	543	702	5,527	9,910	13,879	13,055	7,640	4,551	0	0	0	57,038
2003	572	598	228	1,270	6,795	10,422	8,999	8,688	8,205	1,948	234	0	0	47,959
2004	30	317	129	702	6,394	5,208	12,624	23,803	8,380	2,363	0	0	0	59,950
2005	256	313	308	536	4,677	3,178	6,653	13,450	10,769	3,675	0	0	0	43,815
2006**	176	939	90	382	5,067	4,861	8,579	11,853	12,527	2,004	39	0	0	46,517
2007**	228	584	660	634	5,533	5,059	13,329	18,054	10,085	2,410	224	0	0	56,800
AVERAGES:														
68-71	1,367	933	833	1,467	23,550	12,067	24,475	40,625	62,400	36,025				199,575
72-75	1,400	600	825	875	19,825	10,175	16,525	42,075	86,200	36,625	200	700		215,350
76-80	1,460	880	820	1,300	24,520	13,480	16,580	23,080	52,480	25,480	1,420	240		161,740
81-85	1,340	1,020	980	1,140	16,020	16,640	13,060	10,500	30,740	15,320	860	420		108,040
86-90	1,980	980	580	1,340	14,580	8,680	7,940	7,780	14,220	9,480	160	320		68,040
91-95	841	779	791	856	8,752	4,636	5,712	4,738	6,272	4,834	67	46		38,323
96-00	783	453	584	971	7,127	5,557	10,076	12,662	10,875	4,991	19	55	0	54,154
01-05	430	261	322	764	5,661	6,485	10,272	13,209	8,745	3,469	51	12	0	49,681
06-10	202	762	375	508	5,300	4,960	10,954	14,954	11,306	2,207	132	0	0	51,659

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ESTIMATES OF CANADA GOOSE HARVESTS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	8,185	6,382	8,836	2,182	12,791	33,441	94,330	96,197	85,708	8,913	0	142		357,107
1976	8,443	17,961	11,024	6,699	25,242	37,595	65,152	70,643	67,964	6,848	36	165		317,772
1977	12,578	18,788	8,563	2,451	52,300	57,626	44,236	66,429	59,302	8,758	218	127		331,376
1978	12,743	11,972	6,571	3,412	66,437	53,019	83,032	70,426	78,647	10,800	0	338		397,397
1979	13,401	10,827	5,261	2,614	50,012	64,249	94,496	79,544	79,636	12,931	0	289		413,260
1980	10,938	19,137	8,230	2,594	52,076	73,794	73,810	96,446	100,045	16,656	435	525		454,686
1981	10,202	14,264	7,384	3,744	25,291	49,902	57,927	84,914	95,051	15,843	0	233		364,755
1982	11,186	13,296	5,409	2,584	29,680	69,828	73,828	87,249	97,569	14,479	0	0		405,108
1983	13,652	15,768	9,534	7,370	37,429	69,648	71,671	127,184	108,097	14,877	0	397		475,627
1984	14,086	13,963	6,465	3,019	22,906	63,187	88,745	95,993	87,065	15,841	0	267		411,537
1985	9,669	17,226	6,829	4,071	28,132	76,234	103,441	88,407	103,077	18,510	0	96		455,692
1986	16,770	21,912	8,794	5,660	39,193	83,746	91,603	80,714	88,943	14,853	0	190		452,378
1987	12,509	21,387	10,942	3,015	80,270	87,481	78,007	106,528	124,796	14,830	550	165		540,480
1988	9,379	24,906	9,676	3,377	20,454	76,537	56,025	80,044	99,376	15,266	0	174		395,214
1989	8,845	23,143	15,666	6,629	55,852	101,591	77,752	84,582	121,589	16,418	367	0		512,434
1990	6,379	25,177	6,570	7,285	54,740	97,556	73,645	92,272	125,398	14,835	96	0		503,953
1991	5,885	21,459	9,845	5,229	51,940	83,736	72,591	91,033	111,919	18,211	275	510		472,633
1992	6,427	11,565	4,160	5,368	28,089	79,357	58,043	78,542	90,594	16,130	0	164		378,439
1993	9,266	17,809	12,390	6,520	39,741	80,768	71,407	77,787	90,177	12,943	0	90		418,898
1994	6,645	25,846	6,660	5,555	15,206	83,787	59,405	81,175	103,266	13,116	22	138		400,821
1995	9,527	16,968	8,306	5,467	9,560	88,135	49,639	82,155	114,818	11,297	0	128		396,000
1996	7,503	22,451	8,758	4,470	10,822	87,775	93,438	111,467	137,440	15,477	417	82		500,100
1997	5,165	16,769	7,542	6,105	11,748	89,680	107,304	104,934	125,629	14,602	0	0		489,478
1998	9,746	23,781	10,802	6,225	16,882	109,731	94,033	136,736	104,831	18,586	0	0		531,353
1999	5,464	32,944	12,633	6,079	38,702	100,751	68,822	146,112	137,527	16,093	25	90		565,242
2000	8,223	25,932	13,507	8,418	38,941	125,308	206,378	167,929	132,609	16,544	0	0	0	743,789
2001	5,553	25,136	10,554	5,615	67,763	148,705	102,034	146,829	111,751	13,076	0	0	0	637,016
2002	6,744	22,126	10,831	4,962	87,177	160,474	108,306	125,588	108,758	15,098	0	239	0	650,303
2003	5,004	20,983	4,915	11,245	112,807	160,197	90,183	135,123	116,844	14,353	0	0	0	671,654
2004	4,481	15,028	5,996	6,100	75,316	148,893	92,512	135,759	134,551	8,165	0	0	0	626,801
2005	5,516	16,109	5,240	6,866	103,490	155,736	118,545	139,825	149,148	904	0	0	0	701,379
2006*	4,364	11,245	4,769	6,940	79,569	174,538	105,039	157,414	124,785	9,348	0	0	0	678,011
2007*	5,848	13,586	7,544	9,098	100,811	179,024	97,069	169,206	110,830	9,892	0	514	0	703,857
AVERAGES:														
76-80	11,621	15,737	7,930	3,554	49,213	57,257	72,145	76,698	77,119	11,199	138	289		382,898
81-85	11,759	14,903	7,124	4,158	28,688	65,760	79,122	96,749	98,172	15,910	0	199		422,544
86-90	10,776	23,305	10,330	5,193	50,102	89,382	75,406	88,828	112,020	15,240	203	106		480,892
91-95	7,550	18,729	8,272	5,628	28,907	83,157	62,217	82,138	102,155	14,339	59	206		413,358
96-2000	7,220	24,375	10,648	6,259	23,419	102,649	113,995	133,436	127,607	16,260	88	34	0	565,992
2001-05	5,460	19,876	7,507	6,958	89,311	154,801	102,316	136,625	124,210	10,319	0	48	0	657,431
2006-10	5,106	12,416	6,157	8,019	90,190	176,781	101,054	163,310	117,808	9,620	0	257	0	690,934

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** Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF BRANT (ATL.) HARVESTS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	0	0	0	0	0	545	0	0	0	0	0	0		545
1976	0	0	0	0	0	118	0	0	0	0	0	0		118
1977	0	0	0	3	0	0	0	0	0	0	0	0		3
1978	0	0	0	0	0	0	0	0	0	0	0	0		0
1979	0	0	0	0	423	90	0	0	0	0	0	0		513
1980	0	0	0	0	3,060	405	0	0	0	0	0	0		3,465
1981	0	0	0	0	0	615	0	0	0	0	0	0		615
1982	0	0	0	0	351	0	0	0	0	0	0	0		351
1983	0	0	0	0	0	0	0	0	0	0	0	0		0
1984	778	0	0	0	550	639	0	637	0	31	0	0		2,635
1985	0	0	0	0	276	357	0	0	0	0	0	0		633
1986	97	0	0	0	596	646	0	0	0	0	0	0		1,339
1987	0	0	0	0	1,463	0	0	0	0	0	0	0		1,463
1988	0	0	0	0	0	283	0	0	0	0	0	0		283
1989	0	100	0	0	0	0	0	0	0	0	0	0		100
1990	0	0	0	0	0	307	0	0	0	0	0	0		307
1991	0	0	0	0	323	539	0	0	0	0	0	0		862
1992	0	0	0	0	1,566	0	0	0	0	0	0	0		1,566
1993	0	0	0	0	876	162	0	0	0	0	0	0		1,038
1994	0	0	0	0	0	0	0	0	0	0	0	0		0
1995	0	0	0	0	0	0	0	0	0	0	0	0		0
1996	0	0	0	0	195	0	0	0	0	0	0	0		195
1997	0	0	0	0	258	227	0	0	0	0	0	0		485
1998	0	0	0	0	183	430	0	0	0	0	0	0		613
1999	0	0	0	0	200	0	0	0	0	0	0	0		200
2000	0	0	0	0	114	487	0	0	0	0	0	0	0	601
2001	0	0	0	0	618	186	0	0	0	0	0	0	0	804
2002	0	0	0	0	404	231	0	0	0	0	0	0	0	635
2003	0	0	0	0	387	185	0	0	0	0	0	0	0	572
2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	92	94	0	0	0	0	0	0	0	186
2006*	0	0	0	0	128	0	0	0	0	0	0	0	0	128
2007*	0	0	0	0	524	133	0	0	0	0	0	0	0	657
AVERAGES:														
76-80	0	0	0	1	697	123	0	0	0	0	0	0		820
81-85	156	0	0	0	235	322	0	127	0	6	0	0		847
86-90	19	20	0	0	412	247	0	0	0	0	0	0		698
91-95	0	0	0	0	553	140	0	0	0	0	0	0		693
96-2000	0	0	0	0	190	229	0	0	0	0	0	0	0	419
2001-05	0	0	0	0	300	139	0	0	0	0	0	0	0	439
2006-10	0	0	0	0	326	67	0	0	0	0	0	0	0	393

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** Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF LESSER SNOW GOOSE HARVESTS IN CANADA

YEAR	NFL	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	0	0	0	5,578	15,742	51,708	12,692	16,339	2,972	324	0		105,355
1976	0	0	0	192	11,519	31,449	20,721	30,741	1,102	177	0		95,901
1977	0	0	0	19,653	8,000	31,850	12,151	30,731	576	0	0		102,961
1978	0	30	0	542	6,201	39,770	11,619	16,819	401	0	0		75,382
1979	0	0	0	5,379	10,576	99,151	12,981	10,752	1,917	552	0		141,308
1980	0	50	0	12,762	8,710	91,968	16,172	9,498	1,725	0	0		140,885
1981	0	0	0	408	6,576	88,124	15,339	13,780	3,378	0	0		127,605
1982	0	0	0	1,712	2,666	82,094	22,845	6,010	2,666	0	0		117,993
1983	0	0	0	45,351	1,820	82,602	33,377	6,802	0	0	0		169,952
1984	0	0	0	2,503	1,205	76,472	31,919	8,265	2,700	0	0		123,064
1985	0	49	0	497	1,913	105,719	33,311	11,362	3,972	0	0		156,823
1986	0	0	0	0	2,335	49,587	32,129	9,679	0	0	0		93,730
1987	0	0	0	19,137	6,169	70,849	22,976	3,980	2,329	0	0		125,440
1988	0	0	0	3,864	2,231	71,733	24,321	9,583	1,556	0	0		113,288
1989	0	0	0	1,169	5,654	92,720	27,321	11,274	926	0	0		139,064
1990	0	0	448	2,293	2,742	54,027	32,541	10,504	137	339	407		103,438
1991	0	0	0	2,645	2,799	66,254	22,224	5,600	2,619	0	0		102,141
1992	0	0	58	592	590	26,778	21,240	9,123	467	0	0		58,848
1993	0	0	0	7,641	2,543	51,301	19,674	5,303	2,094	0	0		88,556
1994	0	0	0	5,855	657	56,221	30,258	6,987	2,174	105	0		102,257
1995	0	0	0	855	1,286	61,603	31,323	8,680	1,589	306	0		105,642
1996	0	0	0	3,486	1,028	46,163	34,546	4,185	2,863	0	0		92,271
1997	0	0	0	8,853	336	69,683	62,635	9,261	0	0	0		150,768
1998	0	0	16	16,732	954	52,121	68,985	14,890	1,797	0	0		155,495
1999	0	0	0	6,747	115	14,150	116,313	15,416	1,990	0	0		154,731
2000	0	0	0	5,686	1,350	31,699	68,377	12,881	2,559	0	128	45	122,725
2001	0	0	0	4,427	982	25,335	100,525	13,367	2,354	0	0	0	146,990
2002	0	0	0	2,699	697	24,252	85,933	9,612	2,536	0	0	0	125,729
2003	0	0	0	3,941	901	26,970	108,457	10,539	1,312	0	0	0	152,120
2004	0	0	0	82	642	23,158	76,709	3,654	1,188	0	0	0	105,433
2005	0	0	0	1,122	391	14,039	82,143	6,207	6,906	0	0	0	110,808
2006*	131	0	0	1,349	1,122	31,936	116,278	11,430	3,170	0	0	0	165,416
2007*	0	0	0	703	254	19,452	66,934	14,976	4,626	0	0	0	106,945
AVERAGES:													
76-80	0	16	0	7,706	9,001	58,838	14,729	19,708	1,144	146	0		111,287
81-85	0	10	0	10,094	2,836	87,002	27,358	9,244	2,543	0	0		139,087
86-90	0	0	90	5,293	3,826	67,783	27,858	9,004	990	68	81		114,992
91-95	0	0	12	3,518	1,575	52,431	24,944	7,139	1,789	82	0		91,489
96-2000	0	0	3	8,301	757	42,763	70,171	11,327	1,842	0	26	45	135,198
2001-05	0	0	0	2,454	723	22,751	90,753	8,676	2,859	0	0	0	128,216
2006-10	26	0	0	1,839	751	24,071	93,904	8,288	3,022	0	0	0	131,901

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** Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF GREATER SNOW GOOSE HARVESTS IN CANADA

YEAR	NFL	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	0	0	0	30,708	0	154	0	0	0	0	0		30,862
1976	0	0	0	27,854	108	0	0	0	0	0	0		27,962
1977	0	0	0	0	0	0	0	0	0	0	0		0
1978	0	0	0	41,748	1,263	0	276	295	0	0	0		43,582
1979	0	0	0	23,619	0	0	0	0	0	0	0		23,619
1980	0	0	0	55,847	151	0	0	0	0	0	0		55,998
1981	0	25	0	24,170	110	0	0	0	0	0	0		24,305
1982	0	47	0	40,462	655	148	352	0	0	0	0		41,664
1983	0	0	0	0	0	0	0	0	0	0	0		0
1984	166	0	0	44,983	589	3,111	784	0	0	0	0		49,633
1985	0	0	0	24,370	0	0	0	0	0	0	0		24,370
1986	0	0	72	10,536	0	0	0	0	0	0	0		10,608
1987	0	0	0	756	0	0	0	0	0	0	0		756
1988	0	0	0	41,365	0	0	93	0	0	0	0		41,458
1989	0	0	0	43,529	249	0	0	0	0	0	0		43,778
1990	287	0	0	60,647	0	0	0	204	0	0	0		61,138
1991	0	0	0	47,697	0	724	0	0	0	0	0		48,421
1992	0	0	295	26,984	926	759	215	0	0	0	0		29,179
1993	0	0	0	97,534	429	1,938	2,282	0	0	0	0		102,183
1994	0	0	0	35,903	112	0	0	0	0	0	0		36,015
1995	0	21	0	50,267	252	391	0	0	0	0	0		50,931
1996	60	62	1,859	66,111	111	115	0	0	0	0	0		68,318
1997	0	0	0	55,056	164	0	0	0	0	0	0		55,220
1998	0	90	412	86,791	64	0	0	118	0	0	0		87,475
1999	0	0	774	36,821	105	0	0	86	0	0	0		37,786
2000	0	0	0	103,615	0	0	554	334	0	0	0	0	104,503
2001	0	0	0	94,011	0	0	0	68	0	0	0	0	94,079
2002	0	0	225	45,890	0	0	531	220	0	0	0	0	46,866
2003	0	0	0	86,028	111	0	213	0	73	0	0	0	86,425
2004	0	0	433	66,326	1,394	0	1,610	83	0	0	0	0	69,846
2005	0	0	42	67,245	0	0	0	0	0	0	0	0	67,287
2006*	0	135	0	73,585	331	0	0	364	0	0	0	0	74,415
2007*	0	0	578	61,652	0	0	0	0	0	0	0	0	62,230
AVERAGES:													
76-80	0	0	0	29,814	304	0	55	59	0	0	0		30,232
81-85	33	14	0	26,797	271	652	227	0	0	0	0		27,994
86-90	57	0	14	31,367	50	0	19	41	0	0	0		31,548
91-95	0	4	59	51,677	344	762	499	0	0	0	0		53,346
96-2000	12	30	609	69,679	89	23	111	108	0	0	0	0	70,660
2001-05	0	0	140	71,900	301	0	471	74	15	0	0	0	72,901
2006-10	0	27	140	67,815	367	0	471	133	15	0	0	0	68,968

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** Represents the new (2000) province/territory of Nunavut.

HARVEST AGE RATIOS (IMM./AD.) FOR BLACK DUCKS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	CAN TOTAL*
1974	3.67	3.98	4.22	5.36	5.40	4.41	4.71
1975	9.75	3.40	4.23	7.86	6.43	10.88	6.20
1976	4.74	5.75	5.88	7.64	7.68	5.02	6.09
1977	8.75	4.08	4.61	8.44	11.71	6.83	6.58
1978	9.15	3.87	5.15	5.30	6.91	5.02	5.38
1979	6.62	4.80	6.28	5.81	8.72	6.06	6.59
1980	7.00	4.08	3.94	5.61	7.03	5.12	5.20
1981	5.67	3.91	5.86	9.33	4.13	3.70	5.01
1982	4.89	3.74	5.42	3.26	4.92	3.66	4.48
1983	4.52	4.27	5.27	6.11	7.49	4.52	5.59
1984	5.67	3.95	4.20	5.77	6.13	5.66	4.97
1985	6.11	3.71	4.47	6.59	7.14	6.44	5.86
1986	8.15	4.16	4.23	3.75	3.63	2.65	3.70
1987	2.85	4.68	3.55	5.11	5.86	4.05	4.52
1988	4.63	5.86	3.12	4.63	5.73	2.96	4.03
1989	5.92	3.50	3.24	4.51	4.92	2.46	3.96
1990	3.57	1.60	4.04	4.15	2.83	2.42	3.10
1991	3.74	2.55	3.91	3.28	4.51	4.64	4.07
1992	4.37	2.28	2.59	3.59	3.10	2.83	3.00
1993	5.47	2.88	3.27	4.29	5.32	3.05	4.17
1994	7.07	6.07	8.22	12.60	5.66	5.08	7.22
1995	4.75	6.06	5.40	6.33	4.96	4.66	5.33
1996	6.11	3.44	3.58	4.04	3.13	2.49	3.46
1997	7.15	4.20	4.78	5.12	5.00	6.61	5.38
1998	5.26	1.63	4.97	4.73	5.08	5.36	4.94
1999	3.36	1.54	2.91	2.41	2.90	4.06	3.00
2000	4.16	1.64	2.78	2.51	2.34	2.20	2.57
2001	3.83	IS**	4.02	3.94	4.07	4.15	3.99
2002	6.14	3.44	2.46	3.78	3.33	2.70	3.19
2003	10.77	6.38	3.44	3.40	3.73	7.07	4.06
2004	5.94	1.57	3.89	2.88	2.96	2.26	3.00
2005	4.89	3.25	3.54	4.65	3.29	3.06	3.61
2006	3.94	2.71	3.27	4.45	3.98	3.50	3.73
2007	8.27	3.62	2.93	4.21	3.53	2.23	3.46
AVERAGES:							
74-75	6.71	3.69	4.23	6.61	5.91	7.64	5.45
76-80	7.25	4.52	5.17	6.56	8.41	5.61	5.97
81-85	5.37	3.92	5.04	6.21	5.96	4.80	5.18
86-90	5.02	3.96	3.64	4.43	4.59	2.91	3.86
91-95	5.08	3.96	4.68	6.02	4.71	4.05	4.76
95-2000	5.21	2.49	3.80	3.76	3.69	4.14	3.87
2001-05	6.31	3.66	3.47	3.73	3.47	3.85	3.57
2006-10	6.10	3.17	3.10	4.33	3.75	2.87	3.59

* Total of these 6 provinces. Harvest from west of Ontario not included

** Insufficient sample

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Sheet: Sheet1 Revision JDK 07/17/08

Estimates of Black Duck Harvests in North America (U.S. data based on the Harvest Information Program)

Year	Atlantic	Mississippi	Central	US Total	Canada	NA Total
1999	102,000	57,700	0	159,679	174,943	334,622
2000	116,100	58,400	0	174,467	154,936	329,403
2001	95,900	31,800	0	127,700	124,075	251,775
2002	125,500	47,800	500	173,700	122,642	296,342
2003*	95,100	34,000	134	129,200	109,223	238,423
2004*	74,920	35,692	0	110,612	91,764	202,376
2005*	100,497	36,365	115	136,977	89,580	226,557
2006*	93,356	35,840	0	129,197	104,030	233,227
2007*	98,700	38,700	0	137,400		137,400
Averages						
1999-2000	109,050	58,050	0	167,073	164,940	332,013
2001-05	98,383	37,131	150	135,638	107,457	243,095
2006-07	96,028	37,270	0	133,298	104,030	185,313

*US estimates are preliminary

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BREEDING POPULATION ESTIMATES (000s) FOR 10 SPECIES OF DUCKS IN THE TRADITIONAL SURVEY AREA

YEAR	MALLARD	GADWALL	WIGEON	GWTEAL	BWTEAL	SHOVELER	PINTAIL	REDHEAD	CANV'SB'K	SCAUP
1955	8,777	652	3,217	1,807	5,305	1,643	9,775	540	589	5,620
1956	10,453	773	3,145	1,525	4,998	1,781	10,373	757	699	5,994
1957	9,297	667	2,920	1,103	4,300	1,476	6,607	509	626	5,767
1958	11,234	502	2,552	1,347	5,457	1,384	6,038	457	747	5,350
1959	9,024	590	3,788	2,653	5,099	1,578	5,873	499	489	7,038
1960	7,372	784	2,988	1,427	4,293	1,825	5,722	498	606	4,869
1961	7,330	655	3,048	1,729	3,655	1,383	4,218	323	435	5,380
1962	5,536	905	1,959	723	3,011	1,269	3,624	508	360	5,286
1963	6,749	1,055	1,831	1,242	3,724	1,398	3,846	413	506	5,438
1964	6,064	873	2,590	1,561	4,021	1,718	3,291	528	644	5,132
1965	5,132	1,260	2,301	1,282	3,595	1,424	3,592	599	522	4,640
1966	6,732	1,680	2,318	1,617	3,733	2,147	4,812	713	663	4,439
1967	7,510	1,385	2,326	1,594	4,492	2,315	5,278	736	503	4,928
1968	7,089	1,949	2,299	1,431	3,463	1,685	3,489	499	564	4,413
1969	7,532	1,573	2,941	1,491	4,139	2,157	5,904	633	504	5,140
1970	9,986	1,608	3,470	2,183	4,862	2,230	6,392	622	580	5,663
1971	9,416	1,606	3,273	1,889	4,610	2,011	5,847	534	451	5,143
1972	9,266	1,623	3,200	1,948	4,279	2,467	6,979	551	426	7,997
1973	8,079	1,246	2,878	1,949	3,333	1,619	4,356	501	621	6,257
1974	6,880	1,592	2,672	1,865	4,976	2,011	6,598	626	513	5,781
1975	7,727	1,644	2,778	1,665	5,885	1,981	5,900	832	595	6,460
1976	7,934	1,245	2,505	1,548	4,745	1,748	5,476	666	614	5,819
1977	7,397	1,299	2,575	1,286	4,463	1,452	3,926	634	664	6,260
1978	7,425	1,558	3,282	2,174	4,499	1,975	5,108	725	373	5,984
1979	7,883	1,758	3,107	2,072	4,876	2,407	5,376	698	582	7,658
1980	7,707	1,393	3,596	2,050	4,895	1,908	4,508	728	735	6,382
1981	6,410	1,395	2,946	1,911	3,721	2,334	3,480	595	621	5,991
1982	6,409	1,634	2,459	1,536	3,658	2,148	3,709	617	513	5,532
1983	6,456	1,519	2,636	1,875	3,367	1,876	3,511	712	527	7,174
1984	5,415	1,515	3,002	1,408	3,979	1,618	2,965	671	530	7,024
1985	4,961	1,303	2,051	1,475	3,502	1,702	2,516	578	376	5,098
1986	6,124	1,547	1,737	1,675	4,479	2,128	2,740	560	438	5,235
1987	5,790	1,306	2,013	2,006	3,529	1,950	2,628	502	450	4,863
1988	6,369	1,350	2,211	2,061	4,011	1,681	2,006	442	435	4,671
1989	5,645	1,415	1,973	1,842	3,125	1,538	2,112	511	477	4,342
1990	5,452	1,672	1,860	1,790	2,776	1,759	2,257	481	539	4,293
1991	5,445	1,584	2,254	1,558	3,764	1,716	1,803	446	491	5,255
1992	5,976	2,033	2,208	1,773	4,333	1,954	2,098	596	482	4,639
1993	5,708	1,755	2,053	1,695	3,193	2,047	2,053	485	472	4,080
1994	6,980	2,318	2,382	2,108	4,616	2,912	2,972	654	526	4,529
1995	8,269	2,836	2,615	2,301	5,140	2,855	2,758	889	771	4,446
1996	7,941	2,984	2,272	2,500	6,407	3,449	2,736	834	849	4,217
1997	9,940	3,897	3,118	2,507	6,124	4,120	3,558	918	689	4,112
1998	9,640	3,742	2,858	2,087	6,399	3,183	2,521	1,005	686	3,472
1999	10,806	3,236	2,920	2,631	7,150	3,890	3,058	973	716	4,412
2000	9,470	3,158	2,733	3,194	7,431	3,521	2,908	926	707	4,026
2001	7,904	2,679	2,494	2,509	5,757	3,314	3,296	712	580	3,694
2002	7,504	2,235	2,334	2,334	4,207	2,318	1,790	565	487	3,524
2003	7,950	2,549	2,551	2,679	5,518	3,620	2,558	637	558	3,734
2004	7,425	2,590	1,981	2,461	4,073	2,810	2,185	605	617	3,807
2005	6,755	2,179	2,225	2,157	4,586	3,592	2,561	592	521	3,387
2006	7,277	2,825	2,171	2,587	5,860	3,680	3,386	916	691	3,247
2007	8,032	3,355	2,803	2,911	6,694	4,553	3,335	1,009	865	3,452
2008	7,724	257	2,728	159	2,487	151	2,980	194	6,640	337
AVERAGES:										
55-60	9,360	661	3,101	1,644	4,909	1,614	7,398	543	626	5,773
61-65	6,162	950	2,346	1,308	3,601	1,438	3,714	474	493	5,175
66-70	7,770	1,639	2,671	1,663	4,138	2,107	5,175	641	563	4,916
71-75	8,274	1,542	2,960	1,863	4,617	2,018	5,936	609	521	6,328
76-80	7,669	1,451	3,013	1,826	4,695	1,898	4,879	690	594	6,421
81-85	5,930	1,473	2,619	1,641	3,645	1,935	3,236	635	513	6,164
86-90	5,876	1,458	1,959	1,875	3,584	1,811	2,348	499	468	4,681
91-95	6,476	2,105	2,302	1,887	4,209	2,297	2,337	614	548	4,590
96-2000	9,559	3,403	2,780	2,584	6,702	3,633	2,956	931	729	4,048
2001-05	7,508	2,446	2,317	2,428	4,828	3,131	2,478	622	552	3,629
55-2007	7,502	1,745	2,612	1,901	4,568	2,250	4,083	637	570	5,115
PERCENT CHANGE IN 2008 FROM:										
2007	-4%	-92%	-3%	-95%	-63%	-97%	-11%	-81%	668%	-90%
55-2007 AVG	3%	-85%	4%	-92%	-46%	-93%	-27%	-69%	1065%	-93%

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Breeding population estimates and 95% confidence intervals or credibility intervals (CIs; in thousands) for the 10 most abundant species of ducks in the eastern survey area, 1990-2006 [a].

	Mergansers[b]		Mallards		American black ducks		American wigeon		Green-winged teal		Scaup[c]		Ring-necked duck		Goldeneyes[d]		Bufflehead		Scoters[e]	
Year	$\hat{N}$	CI	$\hat{N}$	CI	$\hat{N}$	CI	$\hat{N}$	CI	$\hat{N}$	CI	$\hat{N}$	CI	$\hat{N}$	CI	$\hat{N}$	CI	$\hat{N}$	CI	$\hat{N}$	CI
1990	351.4	(299-421)	340	(219-575)	437.7	(388-498)	13.5	(1-25)	233.9	(182-307)	50.9	(4-97)	548.9	(432-716)	364	(285-480)	35.5	(23-47)	99.5	(0.1-199)
1991	428.4	(358-524)	385.1	(248-639)	440.1	(385-508)	15.2	(2-28)	222.6	(174-294)	38.8	(17- 60)	480.8	(381-625)	376.6	(296-496)	28.4	(14-41)	89.8	(24-154)
1992	427.7	(356-536)	385.1	(247-648)	418.5	(368-479)	5.1	(0.5- 9)	215.5	(166-285)	36.9	(3- 69)	492.4	(388-635)	391.1	(305-516)	45.3	(27-63)	85.2	(0.1-190)
1993	397.3	(331-490)	390.6	(251-655)	417.9	(366-480)	10.4	(3-17)	195.5	(149-261)	12	(3-21)	446.6	(353-576)	377	(293-499)	6.6	(3-10)	104.4	(18-190)
1994	422.5	(340-555)	405.4	(260-678)	384.4	(335-443)	10.2	(2-18)	203.6	(156-273)	36.7	(6- 66)	463.2	(363-603)	388.9	(303-514)	24.3	(7-41)	162.2	(38-285)
1995	449.5	(367-569)	339.5	(216-580)	436.8	(380-504)	9.5	(0-21)	207.6	(159-278)	16.5	(0- 34)	479	(376-626)	343.1	(266-457)	10.3	(4-16)	25.9	(7- 44)
1996	388.8	(330-466)	363.9	(234-616)	502	(447-566)	10	(3-16)	269.8	(212-350)	20.4	(2- 38)	583.8	(464-750)	401.5	(314-529)	36.1	(23-49)	31.6	(16-47)
1997	405.6	(343-490)	387.6	(247-652)	455.3	(407-511)	18.2	(10-26)	210.2	(165-274)	37.4	(5- 69)	526.5	(420-673)	400.9	(314-527)	15.3	(8-22)	52.6	(28-76)
1998	327.5	(279-393)	426.8	(276-702)	487.9	(436-547)	58.1	(21-94)	201.1	(158-261)	15.6	(1-30)	463.2	(368-595)	362.4	(284-475)	26.8	(19-34)	58.9	(35-82)
1999	386.9	(327-467)	434.7	(283-712)	544.5	(487-612)	14.1	(10-18)	241.5	(189-314)	22.3	(2- 42)	537.1	(428-686)	436.6	(338-581)	15	(9-20)	24.2	(8-39)
2000	398.5	(337-482)	390.3	(254-650)	507.1	(454-569)	38.1	(6-70)	263.7	(210-339)	37.9	(18-57)	570.7	(455-732)	423	(330-559)	15.9	(9-22)	51.7	(28-74)
2001	381.5	(325-458)	425	(279-702)	477	(426-535)	43.9	(24-63)	217.8	(171-281)	137.9	(0.3-286)	518.6	(414-665)	488.8	(380-649)	40.4	(24-56)	57.1	(28-85)
2002	501.5	(427-600)	418.7	(274-688)	527.9	(473-592)	13.1	(4-21)	255.6	(201-334)	68.8	(0.3-150)	523.2	(413-679)	571.9	(432-788)	53.2	(35-70)	202.1	(0.6-469)
2003	442.6	(374-537)	433.9	(282-717)	477.6	(427-535)	11.6	(3-19)	246.1	(194-321)	38.8	(12-65)	539.4	(431-689)	422.8	(331-558)	18.9	(11-26)	73.4	(27-119)
2004	468.3	(400-557)	457.1	(300-745)	491.4	(439-552)	22.8	(11-34)	285.1	(224-373)	22.8	(10-35)	580.8	(462-750)	407.7	(322-532)	17.3	(10-24)	103.3	(57-149)
2005	435.4	(369-527)	445.1	(288-736)	478	(427-539)	31.1	(17-44)	228.2	(180-296)	30	(14-46)	541.4	(435-691)	382	(301-501)	18.8	(8-28)	74.8	(45-104)
2006	398.3	(341-478)	413.4	(272-682)	500.7	(448-562)	11.5	(5-17)	230.8	(181-299)	36.9	(18-54)	557.9	(446-716)	388	(306-506)	15.1	(9-21)	78.8	(27-130)
2007	429.3	(364-520)	452.8	(295-748)	571.2	(508-647)	14	(5-23)	260.1	(205-336)	31.3	(18-43)	664	(529-855)	454.6	(356-601)	15.7	(8-22)	103.2	(40-165)
2008	411.9	(350-492)	450.1	(296-736)	495.8	(444-558)	8.4	(2-14)	261.2	(204-344)	32.5	(21-43)	551.2	(441-705)	423.8	(332-558)	30.2	(19-40)	85.6	(56-115)

[a] Estimates for mergansers, mallards, American black ducks, green-winged teal, ring-necked duck, and goldeneys from Bayesian hierarchical analysis using FWS and CWS data from strata 51, 52, 63, 64, 66-68, 70-72. All others were computed as harmonic means of FWS and CWS estimates for strata . 51, 52, 63, 64, 66-68,70-72.

[b] Common, red-breasted, and hooded.

[c] Greater and lesser.

[d] Common and Barrow's.

[e] Black and surf.

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Number of Canada goose breeding pairs estimated for the Ungava Peninsula (regions 1,2 and 3) of northern Quebec.

Year[a]	Total area (km^2)	Surveyed area (km^2)	*n* [b]	PAIRS/ km^2 (SE)	TOTAL PAIRS (SE)
1988	222,700	575	16	0.53 (0.068)	118,031 (15,144)
1993	222,700	838	35	0.41 (0.056)	91,307 (12,471)
1994	222,700	1,214	36	0.18 (0.020)	40,086 (4,454)
1995	222,700	1,211	36	0.13 (0.013)	29,302 (2,967)
1996	222,700	1,211	36	0.21 (0.023)	46,058 (5,052)
1997	222,700	1,239	36	0.28 (0.028)	63,216 (6,201)
1998	222,700	1,214	36	0.19 (0.023)	42,166 (5,009)
1999	222,700	1,208	35	0.35 (0.040)	77,451 (8,792)
2000	222,700	1,107	34	0.42 (0.044)	93,230 (9,850)
2001	222,700	1,029	31	0.66 (0.073)	146,662 (16,185)
2002	222,700	1,214	36	0.74 (0.068)	164,840 (15,169)
2003	222,700	1,208	36	0.71 (0.055)	156,937 (12,273)
2004	222,700	1,181	35	0.79 (0.068)	174,793 (15,049)
2005	222,700	1,214	36	0.73 (0.057)	162,395 (12,622)
2006	222,700	838	28	0.72 (0.074)	160,020 (16,419)
2007	222,700	1,162	34	0.89 (0.075)	195,709 (16,621)
2008	222,700	1,188	35	0.76 -(0.064)	169,699 -(14,331)

[a]1988 (Malecki and Trost 1990); 1993 (Bordage and Plante 1993); 1994 (Harvey 1994); 1995 (Harvey and Bourget 1995); 1996 (Harvey and Borget 1996); 1997 (Harvey and Bourget 1997); 1998-2005 (Harvey and Rodrigue 1998-2007).

[b] Number of transects.

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North Atlantic Population Canada goose breeding survey data, strata 66 (Newfoundland) and 67 (Labrador).

Stratum 66 (Newfoundland)

	Raw data					Expansion		Expanded data				
Year	Singles	Pairs	Grouped	TIP*	TIB**	factor	VCF***	Singles	Pairs	Grouped	TIP*	TIB**
1996	11	47	0	58	116	234.711	2.73	7,048	30,116	0	37,164	74,328
1997	14	32	4	46	96	223.5344	2.73	8,543	19,528	2,441	28,071	58,584
1998	28	62	71	90	251	132.2316	2.73	10,108	22,382	25,630	32,489	90,609
1999	59	46	45	105	255	132.2316	2.73	21,299	16,606	16,245	37,904	92,053
2000	36	45	38	81	200	132.2316	2.73	12,996	16,245	13,718	29,240	72,198
2001	39	32	17	71	159	132.2316	2.73	14,079	11,552	6,137	25,630	57,398
2002	27	50	63	77	217	132.2316	2.73	9,747	18,050	22,743	27,796	78,335
2003	33	50	4	83	170	132.3795	2.73	11,926	18,070	1,446	29,996	61,437
2004	34	42	19	76	171	132.2316	2.73	12,274	15,162	6,859	27,435	61,730
2005	19	37	41	56	153	134.1206	2.73	6,957	13,548	15,012	20,504	56,021
2006	29	52	31	81	193	132.2316	2.73	10,469	18,772	11,191	29,240	69,672
2007	43	48	9	91	191	134.2033	2.73	15,754	17,586	3,297	33,340	69,978
2008	28	25	11	53	117	134.397964	2.73	10,273	9,173	4,036	19,446	42,928

Stratum 67 (Labrador)

	Raw data					Expansion		Expanded data				
Year	Singles	Pairs	Grouped	TIP*	TIB**	factor	VCF***	Singles	Pairs	Grouped	TIP*	TIB**
1996	12	50	37	62	161	368.6623	2.73	12,077	50,322	37,239	62,400	162,038
1997	22	29	30	51	132	261.1358	2.73	15,684	20,674	21,387	36,358	94,103
1998	19	11	52	30	112	261.1358	2.73	13,545	7,842	37,071	21,387	79,845
1999	45	41	6	86	178	250.6904	2.73	30,797	28,060	4,106	58,857	121,820
2000	13	29	67	42	151	250.6904	2.73	8,897	19,847	45,854	28,744	103,342
2001	20	27	11	47	105	250.6904	2.73	13,688	18,478	7,528	32,166	71,860
2002	14	36	67	50	167	250.6904	2.73	9,581	24,638	45,854	34,219	114,292
2003	34	11	15	45	105	250.6904	2.73	23,269	7,528	10,266	30,797	71,860
2004	25	34	80	59	198	250.6904	2.73	17,110	23,269	54,751	40,379	135,508
2005	24	21	18	45	108	250.6904	2.73	16,425	14,372	12,319	30,797	73,914
2006	13	20	14	33	80	221.4289	2.73	7,859	12,090	8,463	19,949	48,360
2007	22	32	35	54	143	247.9313	2.73	14,891	21,659	23,690	36,550	96,790
2008	19	18	34	37	108	221.945909	2.73	11,512	10,906	20,601	22,419	65,439

Combined total, strata 66 and 67

	Raw data					Expanded data				
Year	Singles	Pairs	Grouped	TIP*	TIB**	Singles	Pairs	Grouped	TIP*	TIB**
1996	23	97	37	120	277	19,126	80,438	37,239	99,564	236,366
1997	36	61	34	97	228	24,227	40,202	23,828	64,429	152,687
1998	47	73	123	120	363	23,653	30,223	62,701	53,876	170,454
1999	104	87	51	191	433	52,096	44,665	20,351	96,761	213,874
2000	49	74	105	123	351	21,893	36,092	59,571	57,985	175,541
2001	59	59	28	118	264	27,766	30,030	13,665	57,797	129,258
2002	41	86	130	127	384	19,328	42,687	68,596	62,016	192,628
2003	67	61	19	128	275	35,195	25,598	11,711	60,793	133,298
2004	59	76	99	135	369	29,383	38,431	61,610	67,814	197,238
2005	43	58	59	101	261	23,382	27,920	27,331	51,302	129,934
2006	42	72	45	114	273	18,327	30,862	19,654	49,189	118,032
2007	65	80	44	145	334	30,645	39,245	26,987	69,890	166,768
2008	47	43	45	90	225	21,786	20,079	24,637	41,865	108,367

* Total indicated pairs = Singles + Pairs

** Total indicated birds = 2 x Singles + 2 x Pairs + Grouped

*** Visibility correction factor

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Breeding-ground survey estimates[1] of Southern James Bay Population Canada geese

	Spring Population			Observed as Breeding Pairs			Observed as Non-Breeders			
Year	Akimiski Is.	Mainland	Total	Akimiski Is.	Mainland	Total	Akimiski Is.	Mainland	Total	Spr. Pop.
1990	48,089	34,279	82,368	32,724	34,026	66,750	15,365	253	15,618	82,368
1991	32,234	75,835	108,069	21,086	55,498	76,584	11,147	20,336	31,483	108,067
1992	25,816	65,806	91,622	20,452	53,314	73,766	5,365	12,491	17,856	91,622
1993	20,665	56,680	77,345	14,090	38,872	52,962	6,576	17,808	24,384	77,346
1994	40,351	55,367	95,718	16,024	29,114	45,138	24,326	26,253	50,579	95,717
1995	25,060	68,897	93,957	15,962	57,980	73,942	9,097	10,917	20,014	93,956
1996	36,704	86,283	122,987	19,768	50,702	70,470	16,936	35,581	52,517	122,987
1997	28,872	66,230	95,102	22,372	62,944	85,316	6,500	3,286	9,786	95,102
1998	31,290	85,770	117,060	17,900	57,980	75,880	13,390	27,790	41,180	117,060
1999	31,356	105,267	136,623	22,876	85,188	108,064	8,480	20,080	28,560	136,624
2000	23,149	65,915	89,064	17,018	60,954	77,972	6,131	4,962	11,093	89,065
2001	26,977	75,693	102,670	18,464	49,836	68,300	8,513	25,857	34,370	102,670
2002	21,079	55,212	76,291	16,116	41,996	58,112	4,963	13,216	18,179	76,291
2003	17,323	89,188	106,511	15,374	74,866	90,240	1,949	14,322	16,271	106,511
2004	16,694	84,343	101,037	11,820	63,352	75,172	4,873	20,991	25,864	101,036
2005[2]	13,608	32,670	46,278	9,782	32,424	42,206	3,826	246	4,072	46,278
2006	22,038	138,392	160,430	16,980	111,900	128,880	5,057	26,492	31,549	160,429
2007[3]	23,658	74,334	97,992	13,948	50,836	64,784	9,711	23,500	33,211	97,995
2008[4]	15,770	94,640	110,409	13,794	78,540	92,332	1,977	16,100	18,077	110,409
Averages:										
1990-94	33,431	57,593	91,024	20,875	42,165	63,040	12,556	15,428	27,984	91,024
1995-99	30,656	82,489	113,146	19,776	62,959	82,734	10,881	19,531	30,411	113,146
2000-04	21,044	74,070	95,115	15,758	58,201	73,959	5,286	15,870	21,155	95,115
2005-08	18,769	85,009	103,777	13,626	68,425	82,051	5,143	16,585	21,727	103,778
1990-07	26,354	74,253	100,607	17,713	57,385	75,098	8,641	16,867	25,509	100,607
Percent change in 2008 from:										
2007	-33%	27%	13%	-1%	54%	43%	-80%	-31%	-46%	13%
1990-07	-40%	27%	10%	-22%	37%	23%	-77%	-5%	-29%	10%

[1] Estimates = geese observed X 1.4 visibility correction

[2] Survey flown with different aircraft (Aero Commander) and during late incubation and hatching. Estimates biased low due to visibility differences.

[3] The mainland survey area was reduced by 20,000 km2.

[4] Four transects were not flown in Stratum II

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Updated: *JDK* 7/17/2008

GREATER SNOW GOOSE POPULATION AND PRODUCTIVITY ESTIMATES FROM THE ST. LAWRENCE VALLEY, 1965-2008 (Austin Reed, CWS-Quebec Region)

		Percent young in fall flight[2]		Brood size[3] in fall	
Year	Estimated spring population[1]	Mean	No. geese	Mean	No. broods
1965	25,400				
1966	25,400				
1967	40,900				
1968	38,900				
1969	68,800				
1970	89,600				
1971	123,300				
1972	134,800				
1973	143,000	40.6	800	2.94	49
1974	165,000	6.4	7,282	2.19	119
1975	153,800	31.2	17,579	2.71	1,294
1976	165,600	12.6	20,847	2.46	419
1977	160,000	23.9	10,297	2.28	396
1978	192,600	17.9	9,679	2.34	309
1979	170,100	28.2	20,849	2.65	1,226
1980	180,000	35.3	12,120	2.76	651
1981	170,800	16.3	10,683	2.3	229
1982	163,000	25.1	9,577	2.48	661
1983	185,000	47.4	12,353	2.86	1,246
1984	225,400	30.4	39,781	2.63	2,434
1985	260,000	25.8	33,700	2.49	1,682
1986	303,500	2.3	22,998	1.89	74
1987	255,000	40.2	33,278	2.77	1,882
1988	363,800 [4]	33.1	40,246	2.76	2,444
1989	363,200	31.1	29,191	2.59	2,014
1990	368,300	23.6	20,313	2.54	830
1991	352,600	38.3	15,102	2.69	1,247
1992	448,100	5.4	32,252	2.06	404
1993	498,400	47.8	24,163	2.75	2,743
1994	591,400	9.2	16,444	2.44	242
1995	616,600	16.6	19,519	2.47	665
1996	669,100	25.1	22,595	2.34	1,247
1997	657,500	36.8	17,586	2.69	1,222
1998	(836,600)[5] 741,200	33.1	17,982	2.52	1,440
1999	803,400	2.1	20,394	2.09	91
2000	(813,900)[5] 577,300	22.7	20,468	2.54	1,302
2001	837,400	27.5	22,106	2.36	1,072
2002	639,300	6	18,930	1.91	274
2003	678,000	27	15,900	2.36	1,092
2004	957,600	17.8	26,206	2.44	1,031
2005	814,600	20.7	29,022	2.38	1,470
2006	1,017,000	19.7	23,378	2.34	1,143
2007	1,019,000	—	—	—	—
2008					

[1] From aerial photo counts

[2] From visual ground counts

[3] Broods accompanied by 2 parents

[4] No spring survey conducted - the value provided was derived from population model published in Gauvin & Reed (CWS Occas. Pap. No. 64. 1987)

[5] The estimates in parentheses for 1998 and 2000 have been corrected to account for flocks not observed during the survey, using a known sample of radio-marked birds.

[*] Preliminary

Source, 1965-2000:

Reed, A., G. Gauthier, J-F. Giroux, and A. Béchet. 2000. Population and productivity surveys of greater snow geese in 2000. Report to the USFWS and the Atlantic Flyway Council Technical Section, February 2000.

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NUMBERS OF LONG-TAILED DUCKS, EIDERS, AND HARLEQUIN DUCKS OBSERVED DURING THE SEA DUCK SURVEY IN THE ATLANTIC FLYWAY

		US														Canada			
Species	Year	GA	SC	NC	VA	MD	DE	NJ	NY	CT	RI	MA	NH	ME	Total	NB	NS	Total	Total
Long-tailed duck																			
	1991	4	0	14	147	457	10	83	52	7	4	76	0	631	1,485	105	2,129	2,234	3,719
	1992	0	0	4	395	1,086	2	256	178	60	75	458	1	837	3,352	250	1,165	1,415	4,767
	1993	No survey																	
	1994	0	0	67	2,320	4,682	536	1,145	1,720	736	2	188	46	428	11,870	52	876	928	12,798
	1995	0	0	15	287	713	1	319	1,361	83	36	645	41	1,455	4,956	104	2,078	2,182	7,138
	1996	No survey																	
	1997	0	0	0	107	687	10	574	1,041	33	34	390	0	855	3,731	98	555	653	4,384
	1998	0	0	75	530	2,016	11	150	454	42	0	277	4	1,596	5,155	70	1,427	1,497	6,652
	1999	12	0	35	223	1,260	0	1,183	1,011	112	19	509	14	1,030	5,408	296	2,114	2,410	7,818
	2000	0	0	0	213	1,619	23	416	707	289	159	1,099	73	1,915	6,513	342	741	1,083	7,596
	2001	0	0	0	783	2,756	9	259	656	87	75	1,016	48	1,662	7,351	253	1,746	1,999	9,350
	2002	0	0	0	280	2,655	5	1,878	415	140	57	910	32	1,372	7,744	92	1,609	1,701	9,445
	2003	No survey																	
	2004	No survey																	
	2005	No survey																	
Common eider																			
	1991	0	0	0	0	0	0	0	0	0	0	15,324	114	13,670	29,108	1,183	5,216	6,399	35,507
	1992	0	0	0	0	0	0	0	2	2	77	11,804	0	11,435	23,320	1,206	7,751	8,957	32,277
	1993	No survey																	
	1994	0	0	0	0	0	0	0	0	0	181	5,393	260	22,225	28,059	323	2,569	2,892	30,951
	1995	0	0	0	0	0	0	2	26	11	584	7,845	243	19,941	28,652	2,128	6,724	8,852	37,504
	1996	No survey																	
	1997	0	0	0	0	0	0	0	0	65	962	5,381	32	11,128	17,568	892	9,022	9,914	27,482
	1998	0	0	0	0	0	0	0	0	0	7,782	11,609	74	23,986	43,451	2,715	10,413	13,128	56,579
	1999	750	0	0	0	0	0	0	30	0	795	8,200	0	27,094	36,869	2,002	9,463	11,465	48,334
	2000	0	0	0	0	0	0	0	0	0	2,008	24,434	561	36,963	63,966	4,478	8,111	12,589	76,555
	2001	0	0	0	0	0	0	0	0	5	38	3,875	331	11,564	15,813	1,833	10,854	12,687	28,500
	2002	0	0	0	0	0	0	0	0	1	171	7,971	122	13,633	21,898	2,920	9,917	12,837	34,735
	2003	No survey																	
	2004	No survey																	
	2005	No survey																	
Harlequin ducks																			
	1991	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	7	7	8
	1992	0	0	0	0	0	0	0	0	0	0	0	0	15	15	3	6	9	24
	1993	No survey																	
	1994	0	0	0	0	0	0	0	0	0	26	0	0	7	33	5	4	9	42
	1995	0	0	0	0	0	0	0	0	0	0	0	0	21	21	23	4	27	48
	1996	No survey																	
	1997	0	0	0	0	0	0	0	0	0	0	0	0	1	1	15	7	22	23
	1998	0	0	0	0	0	0	0	0	0	0	0	0	16	16	11	6	17	33
	1999	0	0	0	0	0	0	0	0	0	0	0	0	32	32	4	18	22	54
	2000	0	0	0	0	0	0	0	0	0	28	20	7	39	94	0	0	0	94
	2001	0	0	0	0	0	0	0	0	0	8	0	0	25	33	7	7	14	47
	2002	0	0	0	0	0	0	0	0	0	2	0	0	35	37	2	3	5	42
	2003	No survey																	
	2004	No survey																	
	2005	No survey																	

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NUMBERS OF SCOTERS OBSERVED DURING THE SEA DUCK SURVEY IN THE ATLANTIC FLYWAY

		US														Canada			
Species	Year	GA	SC	NC	VA	MD	DE	NJ	NY	CT	RI	MA	NH	ME	Total	NB	NS	Total	Total
Black scoters																			
	1991	426	596	86	1,588	569	2	0	270	44	0	390	2	48	4,021	0	16	16	4,037
	1992	39	365	58	1,418	466	0	51	128	2	4	96	0	62	2,689	0	18	18	2,707
	1993	No survey																	
	1994	2	167	40	717	271	0	36	88	0	87	794	50	844	3,096	1	782	783	3,879
	1995	1	1,177	1,030	631	1,551	210	2	637	6	3	130	0	110	5,488	49	0	49	5,537
	1996	No survey																	
	1997	0	57	283	8,836	58	0	32	515	60	0	250	0	69	10,160	14	207	221	10,381
	1998	0	979	7	1,546	330	8	512	5,175	44	804	1,469	70	3,983	14,927	102	769	871	15,798
	1999	400	144	136	1,205	285	16	238	2,225	3	165	504	55	222	5,598	57	1,447	1,504	7,102
	2000	245	105	184	2,092	584	150	2,745	464	0	240	1,875	10	925	9,619	13	1,735	1,748	11,367
	2001	7	4	220	311	121	32	378	4,454	25	1	335	18	407	6,313	124	2,102	2,226	8,539
	2002	0	0	10	925	97	1	2,032	1,788	0	30	1,471	17	324	6,695	152	1,641	1,793	8,488
	2003	No survey																	
	2004	No survey																	
	2005	No survey																	
Surf scoters																			
	1991	0	4	6	1,658	340	8	14	17	2	8	34	0	296	2,387	9	127	136	2,523
	1992	0	0	12	554	807	0	3	8	0	34	1,986	0	222	3,626	186	741	927	4,553
	1993	No survey																	
	1994	0	0	122	1,258	1,590	49	0	1,533	0	0	12	0	11	4,575	22	95	117	4,692
	1995	0	30	119	4,764	986	70	107	1,180	4	37	885	41	656	8,879	134	1,226	1,360	10,239
	1996	No survey																	
	1997	50	6	840	6,587	156	14	7	289	1	13	465	0	149	8,577	0	847	847	9,424
	1998	25	2	128	19,985	1,980	0	2	568	11	0	0	0	10	22,711	0	0	0	22,711
	1999	150	74	0	666	912	9	83	473	31	192	771	16	282	3,659	8	551	559	4,218
	2000	33	30	646	3,066	579	1,221	110	166	1	988	7,309	115	596	14,860	35	325	360	15,220
	2001	0	0	233	2,269	1,715	19	135	2,194	8	5	543	33	333	7,487	121	555	676	8,163
	2002	0	0	2	1,304	81	0	3,007	378	0	0	1,126	81	87	6,066	130	805	935	7,001
	2003	No survey																	
	2004	No survey																	
	2005	No survey																	
White-winged scoters																			
	1991	0	0	0	78	267	0	0	124	1	9	344	1	332	1,156	78	537	615	1,771
	1992	0	9	0	2	52	0	1	238	2	5	163	0	88	560	12	138	150	710
	1993	No survey																	
	1994	0	0	35	29	4	0	0	53	0	0	146	31	102	400	2	132	134	534
	1995	0	0	0	13	106	6	6	623	37	17	720	275	813	2,616	1,500	703	2,203	4,819
	1996	No survey																	
	1997	0	24	120	0	0	0	0	2,085	2	14	58	0	188	2,491	0	951	951	3,442
	1998	0	0	0	9	0	3	35	1,007	0	0	109	14	79	1,256	0	134	134	1,390
	1999	0	0	0	0	0	0	276	4,202	0	0	194	3	154	4,829	35	371	406	5,235
	2000	10	0	3	3	37	0	0	222	0	20	0	0	97	392	2	200	202	594
	2001	0	0	0	0	224	0	0	1,886	63	14	253	22	19	2,481	4	233	237	2,718
	2002	0	0	0	6	0	0	2	1,134	0	4	2,095	43	215	3,499	58	129	187	3,686
	2003	No survey																	
	2004	No survey																	
	2005	No survey																	
Miscellaneous/unidentified scoters																			
	1991	550	125	0	28,904	476	0	0	11,243	0	63	2,907	0	296	44,564	0	41	41	44,605
	1992	5	607	74	1,185	522	0	168	2,878	0	15	428	0	317	6,199	21	705	726	6,925
	1993	No survey																	
	1994	0	6	0	137	0	0	0	2	0	0	0	0	0	145	23	27	50	195
	1995	0	0	0	75	200	0	0	0	0	0	0	0	75	350	0	0	0	350
	1996	No survey																	
	1997	0	0	0	0	0	0	0	0	0	70	5	0	2	77	22	2	24	101
	1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1999	75	1,900	0	54	0	0	100	276	55	0	116	0	119	2,695	0	148	148	2,843
	2000	0	28	0	5	168	0	24	0	0	0	0	0	40	265	3	260	263	528
	2001	0	0	0	0	0	0	30	314	5	0	1,013	42	73	1,477	0	53	53	1,530
	2002	0	952	83	121	28	5	114	354	0	2	3,045	8	135	4,847	20	162	182	5,029
	2003	No survey																	
	2004	No survey																	
	2005	No survey																	
Total Scoters																			
	1991	976	725	92	32,228	1,652	10	14	11,654	47	80	3,675	3	972	52,128	87	721	808	52,936
	1992	44	981	144	3,159	1,847	0	223	3,252	4	58	2,673	0	689	13,074	219	1,602	1,821	14,895
	1993	No survey																	
	1994	2	173	197	2,141	1,865	49	36	1,676	0	87	952	81	957	8,216	48	1,036	1,084	9,300
	1995	1	1,207	1,149	5,483	2,843	286	115	2,440	47	57	1,735	316	1,654	17,333	1,683	1,929	3,612	20,945
	1996	No survey																	
	1997	50	87	1,243	15,423	214	14	39	2,889	63	97	778	0	408	21,305	36	2,007	2,043	23,348
	1998	25	981	135	21,540	2,310	11	549	6,750	55	804	1,578	84	4,072	38,894	102	903	1,005	39,899
	1999	625	2,118	136	1,925	1,197	25	697	7,176	89	357	1,585	74	777	16,781	100	2,517	2,617	19,398
	2000	288	163	833	5,166	1,368	1,371	2,879	852	1	1,248	9,184	125	1,658	25,136	53	2,520	2,573	27,709
	2001	7	4	453	2,580	2,060	51	543	8,848	101	20	2,144	115	832	17,758	249	2,943	3,192	20,950
	2002	0	952	95	2,356	206	6	5,155	3,654	0	36	7,737	149	761	21,107	360	2,737	3,097	24,204
	2003	No survey																	
	2004	No survey																	
	2005	No survey																	

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Estimated mourning dove harvest in the Eastern Management Unit, 2003-2007.

Year	RI	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	2,100	306,600	17,900	38,800	172,100	255,400	762,500	526,000	730,800	333,300		877,100	361,500	308,000	555,700	737,300	767,300	348,700	977,400	8,078,500
2004	3,100	296,100	15,300	54,900	176,400	347,700	215,900	663,700	963,400	255,000	97,300	890,600	291,700	325,400	593,500	780,800	388,600	627,600	724,900	7,712,000
2005	900	430,300	22,300	54,200	241,700	424,400	741,800	1,447,700	757,200	341,800	180,600	798,800	371,900	488,800	703,100	633,200	445,900	455,900	1,252,600	9,793,000
2006	500	372,200	14,600	39,400	162,700	304,200	861,500	696,200	851,500	298,800	100,900	948,700	190,500	284,400	491,300	656,100	373,700	492,800	1,015,300	8,155,400
2007	2,009	509,143	20,161	50,894	212,865	418,103	853,976	865,914	1,107,458	372,589	201,991	912,341	258,375	307,672	278,107	682,687	412,894	611,997	829,252	8,908,428

All estimates are preliminary C:\Data Book\Webless species\Mourning doves.xls Sheet: EMU Revision: JDK 07/17/08

Estimated numbers of mourning dove hunters in the Eastern Management Unit, 2003-2007.

Year	RI	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	200	28,400	1,400	2,200	12,100	21,200	59,800	30,900	41,200	18,100		35,300	15,400	20,900	33,500	38,600	41,300	17,200	49,000	
2004	300	26,000	1,400	3,000	11,100	22,700	20,600	32,200	47,300	15,500	17,700	39,400	14,100	17,000	27,500	35,000	26,700	32,400	43,800	
2005	300	40,900	1,800	3,000	10,800	26,500	46,000	65,100	39,200	19,200	15,600	37,600	18,400	19,100	29,700	36,900	23,800	24,100	63,200	
2006	100	31,600	1,100	2,400	9,300	20,400	40,400	36,200	38,600	15,900	11,200	40,500	13,200	14,300	20,700	37,800	22,700	23,000	56,300	
2007	252	37,481	1,828	2,628	11,845	26,499	50,886	43,364	37,935	21,561	13,585	41,396	15,043	17,501	10,607	32,991	24,593	30,073	48,513	

All estimates are preliminary C:\Data Book\Webless species\Mourning doves.xls Sheet: EMU Revision: JDK 07/17/08

Estimated seasonal mourning dove harvest per hunter in the Eastern Management Unit, 2003-2007.

Year	RI	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	10.3	10.8	12.6	17.3	14.2	12.0	12.8	17.0	17.7	18.4		24.8	23.5	14.7	16.6	19.1	18.6	20.3	20.0	
2004	10.8	11.4	11.1	18.4	15.8	15.3	10.5	20.6	20.4	16.4	5.5	22.6	20.8	19.2	21.6	22.3	14.6	19.4	16.6	
2005	3.1	10.5	12.2	17.8	22.3	16.0	16.1	22.2	19.3	17.8	11.6	21.2	20.3	25.6	23.7	17.2	18.8	19.0	19.8	
2006	5.3	11.8	13.5	16.1	17.6	14.9	21.3	19.2	22.1	18.8	9.0	23.4	14.5	19.9	23.8	17.3	16.5	21.5	18.0	
2007	8	14	11	19	18	16	17	20	29	17	15	22	17	18	26	21	17	20	17	

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Estimated mourning dove hunter days in the Eastern Management Unit, 2003-2007.

Year	RI	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	1,000	104,700	4,100	6,600	34,600	52,200	128,500	100,500	131,300	65,200		114,900	57,000	73,000	79,600	173,700	149,800	41,200	138,900	1,456,900
2004	900	112,100	4,600	11,700	46,900	58,000	41,800	107,100	146,600	55,200	77,500	123,900	46,400	74,900	78,400	90,400	82,400	89,800	124,800	1,373,400
2005	1,100	160,000	5,600	8,700	41,900	76,900	130,400	222,400	116,500	63,000	62,700	121,300	66,600	85,700	89,400	93,900	88,400	66,400	168,800	1,669,800
2006	600	113,700	2,700	7,000	29,500	52,500	125,500	118,500	120,200	53,600	40,100	129,200	40,200	70,000	64,000	101,000	65,800	60,100	141,800	1,336,000
2007	1,117	158,995	4,254	8,093	36,605	78,611	144,815	139,427	145,621	66,005	61,566	137,249	45,977	60,627	34,067	85,475	63,715	82,005	127,474	1,481,697

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Estimated mourning dove harvest in the United States, 2003-2007.				
Year	**EMU**	**CMU**	**WMU**	**US**
2003	8,078,500	7,714,600	2,420,100	18,213,200
2004	7,712,000	9,807,700	2,470,600	19,990,200
2005	9,793,000	9,891,400	2,465,500	22,149,900
2006	8,155,400	8,887,000	2,202,900	19,245,300
2007	8,908,428	9,180,155	2,461,453	20,550,036

All estimates are preliminary Revision: JDK 07/17/08

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Estimated mourning dove hunter days in the United States, 2003-2007.				
Year	**EMU**	**CMU**	**WMU**	**US**
2003	1,456,900	1,442,600	459,700	3,359,100
2004	1,373,400	1,844,300	476,200	3,693,800
2005	1,669,800	1,729,800	446,200	3,845,700
2006	1,336,000	1,605,900	458,800	3,400,700
2007	1,481,697	1,803,864	487,341	3,772,901

All estimates are preliminary Revision: JDK 07/17/08

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Estimated American woodcock harvest in the Eastern Management Region, 2003-2007.

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	EMR
2003	31,000	2,700	3,900	4,000	2,400	100	14,500	8,400	400	4,000	400	3,500	4,700	4,700	1,800	1,900	900	89,200
2004	27,000	4,200	9,700	6,600	5,000	1,300	17,500	37,000	1,300	3,400	2,200	2,500	4,500	700	2,500	7,100	3,100	135,400
2005	9,100	6,500	5,200	2,300	4,000	200	10,700	19,200	1,000	2,400	300	500	4,100	1,800	3,000	1,800	300	72,200
2006	15,600	2,400	5,900	3,100	3,500	0	10,200	18,400	900	1,400	300	2,000	3,100	4,600	6,100	500	200	78,000
2007	13,700	2,000	5,400	2,100	1,700	200	9,800	11,100	1,700	1,600	1,600	400	2,600	7,500	1,200	7,800	5,600	75,900

All estimates are preliminary C:\Data Book\Webless species\Woodcock.xls Sheet: EMR Revision: JDK 07/17/08

Estimated numbers of American woodcock hunters in the Eastern Management Region, 2003-2007.

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	EMR
2003	6,600	800	1,900	1,200	1,400	100	5,700	9,500	200	1,000	400	1,600	3,000	900	2,100	400	800	
2004	4,300	800	1,500	1,000	900	200	4,400	9,000	400	1,100	400	700	2,000	200	1,700	2,600	1,000	
2005	5,800	1,500	2,200	1,300	1,300	200	4,300	11,300	400	1,400	100	500	1,400	1,800	1,700	400	1,000	
2006	7,800	800	1,600	1,300	1,300	200	4,400	10,100	200	700	200	800	1,600	1,600	2,300	1,400	1,100	
2007	5,200	700	2,300	900	800	100	5,000	10,600	400	800	400	1,000	500	2,400	700	1,600	2,900	

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Estimated seasonal American woodcock harvest per hunter in the Eastern Management Region, 2003-2007.

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL
2003	4.7	3.4	2.0	3.3	1.6	0.9	2.5	0.9	1.6	3.8	1.1	2.2	1.6	5.3	0.9	5.0	1.1
2004	3.6	4.9	2.7	2.7	2.3	1.0	2.1	1.4	2.3	2.1	1.3	1.0	1.0	3.7	0.8	0.6	1.1
2005	1.6	4.5	2.4	1.7	3.1	0.8	2.5	1.7	2.5	1.7	2.0	1.0	2.8	1.0	1.7	4.3	0.3
2006	2.0	3.0	3.8	2.3	2.8	0.0	2.3	1.8	3.5	2.0	1.6	2.6	1.9	2.8	2.7	0.3	0.2
2007	3	3	2	2	2	3	2	1	4	2	4	0	5	3	2	5	2

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Estimated American woodcock hunter days in the Eastern Management Region, 2003-2007.

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	EMR
2003	21,400	4,100	5,400	6,100	6,300	700	21,400	48,400	500	4,000	1,600	3,000	7,200	4,000	14,100	1,500	2,500	152,300
2004	27,000	4,200	9,700	6,600	5,000	1,300	17,500	37,000	1,300	3,400	2,200	2,500	4,500	700	2,500	7,100	3,100	135,400
2005	25,200	10,000	10,600	7,100	6,800	800	16,700	56,800	1,500	4,900	200	1,400	11,800	2,100	3,900	2,500	1,800	164,200
2006	33,200	3,400	6,800	5,900	5,500	500	18,700	36,600	800	2,800	500	1,800	5,300	6,400	8,400	5,600	2,200	144,200
2007	22,600	3,000	11,500	5,000	3,200	100	23,100	41,100	1,500	3,400	1,700	2,700	2,400	11,200	1,500	6,200	4,800	145,000

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Estimated Woodcock harvest in the United States, 2003-2007.

Year	EMR	CMR	US
2003	89,200	213,500	302,600
2004	135,400	366,100	501,500
2005	72,200	225,000	297,200
2006	78,000	232,600	310,600
2007	75,900	214,200	290,000

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Estimated Woodcock hunter days in the United States, 2003-2007.

Year	EMR	CMR	US
2003	152,300	369,900	522,200
2004	135,400	366,100	501,500
2005	164,200	356,100	520,300
2006	144,200	344,300	488,500
2007	145,000	358,500	503,500

All estimates are preliminary C:\Data Book\Webless species\Woodcock.xls

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