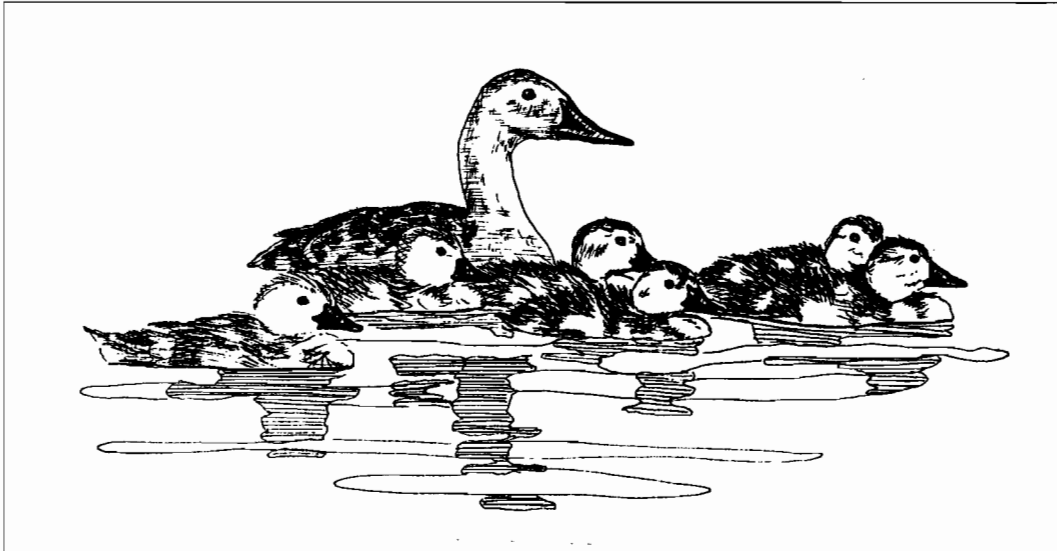

CENTRAL FLYWAY

WATERFOWL HUNTING AND HARVEST SURVEY INFORMATION

1961 - 2001



compiled by:

**Kammie L. Kruse, David E. Sharp, Wilbur N. Ladd,
Timothy J. Moser, and Elizabeth A. Bublitz**

**OFFICE OF THE CENTRAL FLYWAY REPRESENTATIVE
U.S. FISH AND WILDLIFE SERVICE**

DIVISION OF MIGRATORY BIRD MANAGEMENT

**P.O. Box 25486, DFC
Denver, Colorado 80225
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CENTRAL FLYWAY



Important Note to Users:

From 1961-2001, estimates of waterfowl harvest, waterfowl hunter participation, and waterfowl hunter success in the United States were derived from a combination of several sources: 1) sales of migratory bird conservation stamps (Duck Stamps), 2) a Mail Questionnaire Survey of individuals who purchased ducks stamps for hunting purposes, and 3) the Waterfowl Parts Collection Survey (PCS). This survey, which was based on duck stamp sales was discontinued after the 2001 hunting season.

Beginning in 1999, new survey methods were implemented that obtained estimates of waterfowl harvest, hunter participation, and hunter success from: 1) States' lists of migratory bird hunters identified through the Harvest Information Program (HIP), 2) a questionnaire (HIP Survey) sent to a sample of those hunters, and 3) the Waterfowl PCS. The basic difference is that during 1961 - 2001 waterfowl hunter activity and harvest estimates were derived from a Mail Questionnaire Survey (MQS) of duck stamp purchasers, whereas from 1999 to the present those estimates were derived from HIP surveys of people identified as migratory bird hunters by the States. Both survey systems relied on the Waterfowl PCS for species composition data.

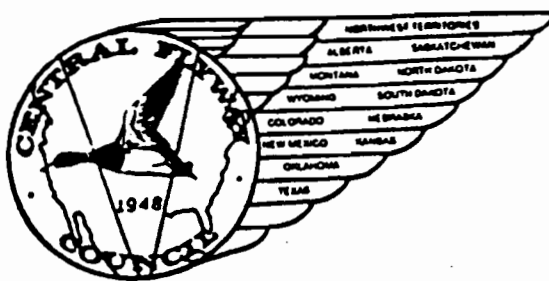
During 1989-2002, migratory game bird harvest and population survey information in the Central Flyway was presented in annually updated Data Books. Because of the recently implemented changes in survey design, historical harvest estimates will not be directly comparable to current estimates. Therefore, previous harvest survey information derived from the MQS are considered as final and compiled in the Central Flyway Waterfowl Hunting and Harvest Survey Information, 1961-2001.

For 1999 and subsequent years, waterfowl hunting and harvest estimates that are derived from HIP, along with the usual population survey information, will be compiled in annual updates of the Central Flyway Harvest and Population Survey Data Book. In the future, the annual Data Book will be expanded to also present annual hunter activity and harvest estimates for other migratory game bird species that are now derived from HIP surveys.

CENTRAL FLYWAY

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**UNITED STATES
DUCK STAMP SALES**

**CANADIAN MIGRATORY
BIRD PERMIT SALES**

D.E. SHARP S:\WKFILES\DATABOOK\STAMPS.123

DUCK STAMP SALES IN THE UNITED STATES: 1934-79 ¹

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1934	14,120	5,947	12,594	3,073	21,336	10,482	17,334	2,671	27,862	42,424	104,797	266,649	157,843	105,575	634,864
1935	10,474	6,581	9,461	2,660	17,818	6,695	17,353	1,681	8,824	28,150	53,763	205,967	109,697	78,680	448,107
1936	14,903	6,069	8,025	4,010	20,280	11,917	16,118	2,164	5,967	33,481	64,627	303,737	122,934	112,229	603,527
1937	15,884	9,513	17,639	4,607	22,939	10,517	18,868	2,173	21,005	45,357	90,525	383,433	168,502	140,424	782,884
1938	19,978	13,167	22,334	5,731	30,847	18,666	20,495	3,524	19,675	58,704	125,800	493,302	213,121	170,318	1,002,541
1939	24,836	15,148	21,849	6,896	26,588	22,663	18,536	4,187	19,740	63,460	152,926	536,951	223,903	197,722	1,111,502
1940	28,645	17,584	25,446	7,510	26,745	24,453	26,915	5,077	25,199	77,300	193,129	566,894	264,874	232,188	1,257,085
1941	30,778	28,087	28,977	8,510	30,134	27,384	37,276	4,732	28,769	83,593	218,767	632,227	308,240	277,963	1,437,197
1942	26,515	27,330	38,926	7,522	28,501	23,803	36,226	4,255	29,443	79,577	215,302	622,497	302,098	240,143	1,380,040
1943	22,147	20,713	25,483	6,447	21,181	19,969	25,278	4,614	19,974	70,441	180,320	510,339	236,247	237,032	1,163,938
1944	26,298	30,551	46,203	8,446	34,843	24,884	39,750	6,654	32,442	99,638	236,352	593,079	349,709	300,006	1,479,146
1945	30,605	37,108	66,012	9,599	37,535	30,837	42,016	7,018	37,851	115,008	275,819	692,573	413,589	332,197	1,714,178
1946	31,153	45,575	82,367	10,428	51,740	37,249	55,282	8,440	48,823	125,825	301,914	824,751	496,882	381,979	2,005,526
1947	31,460	47,750	53,513	8,658	49,604	28,217	39,754	6,357	33,935	121,156	213,884	719,566	420,404	357,724	1,711,578
1948	36,040	53,936	62,509	11,461	64,991	41,407	53,094	9,010	55,625	164,075	271,377	874,552	552,148	418,040	2,116,117
1949	31,725	50,533	47,208	9,022	64,993	31,584	61,563	8,803	49,417	130,732	231,314	824,693	485,580	405,238	1,946,825
1950	31,175	48,586	48,200	10,046	65,809	30,336	63,410	8,293	43,390	131,674	239,732	786,547	480,919	390,107	1,897,305
1951	34,686	47,957	59,125	12,125	75,562	33,495	77,171	8,577	50,843	157,510	259,316	919,239	557,051	426,047	2,161,653
1952	34,676	45,925	55,270	12,897	60,194	40,192	50,789	11,405	42,706	151,120	311,526	989,059	505,174	477,646	2,283,405
1953	31,608	43,409	49,679	11,437	52,472	39,048	49,133	10,497	52,611	172,016	340,806	945,857	511,910	459,782	2,258,355
1954	33,201	44,554	49,281	10,314	59,455	32,450	48,815	10,066	38,387	151,851	343,477	922,082	478,374	427,576	2,171,509
1955	35,107	44,861	40,375	10,885	58,335	39,107	62,694	10,464	52,573	169,229	386,866	1,019,145	523,630	430,594	2,360,235
1956	33,970	44,300	43,368	10,445	56,502	36,289	46,845	8,886	44,399	166,268	378,549	1,022,695	491,272	428,484	2,321,000
1957	36,841	47,070	49,832	11,312	67,218	42,541	73,086	10,207	50,033	167,385	356,502	1,004,478	555,525	427,785	2,344,290
1958	34,264	39,282	42,514	10,650	64,081	41,915	70,424	8,854	42,801	146,667	325,760	935,938	501,452	396,223	2,159,373
1959	24,709	26,394	30,831	7,655	49,813	31,487	53,693	5,681	31,562	105,450	239,872	703,744	367,275	309,161	1,620,052
1960	24,226	37,522	41,979	7,302	46,106	30,981	50,806	5,822	32,506	106,144	261,137	746,640	383,394	326,773	1,717,944
1961	13,768	25,597	30,549	5,147	33,409	25,625	40,275	3,789	24,844	68,862	232,578	527,145	271,865	304,695	1,336,283
1962	7,476	25,550	28,127	2,332	19,027	13,325	21,988	1,461	14,829	51,518	236,311	411,981	185,633	306,291	1,140,216
1963	11,920	36,502	36,359	3,491	26,531	20,232	28,797	4,838	19,877	73,923	270,382	571,667	262,470	335,583	1,440,102
1964	13,079	39,120	34,668	4,309	28,732	23,453	27,801	4,419	21,787	83,442	284,756	663,791	280,810	334,363	1,563,720
1965 ²	4,813	33,983	31,071	1,802	24,382	18,723	32,384	3,674	20,870	88,325	301,088	636,470	260,027	352,462	1,550,047
1966	6,100	39,070	35,695	4,178	32,284	27,037	35,264	4,704	25,723	101,161	336,472	758,768	311,216	390,191	1,796,647
1967	6,449	40,114	41,798	4,879	40,540	28,931	47,935	5,226	32,806	111,479	360,937	813,797	360,157	391,722	1,926,613
1968	6,462	39,993	38,280	4,979	34,090	28,718	44,601	5,552	25,179	96,031	384,762	711,745	323,885	406,619	1,827,011
1969	7,394	42,395	40,043	5,499	42,116	31,312	53,721	4,844	30,528	115,899	438,372	810,588	373,751	441,301	2,064,012
1970	7,744	50,015	41,220	6,502	48,774	37,316	60,633	5,800	34,184	144,932	496,387	1,005,265	437,120	470,481	2,409,253
1971	8,345	53,600	46,670	7,705	50,898	43,203	63,756	6,362	36,049	138,047	501,289	1,003,218	454,635	452,569	2,411,711
1972	8,054	50,946	45,757	6,553	48,684	37,332	61,472	5,600	31,177	129,462	438,264	892,774	425,037	404,504	2,160,545
1973	8,216	49,193	45,471	6,537	50,839	39,046	58,805	5,311	31,456	117,446	434,851	826,911	412,320	404,224	2,078,306
1974	7,930	54,917	41,476	6,803	48,195	39,062	64,440	6,474	34,019	122,819	448,849	892,017	426,135	412,878	2,179,879
1975	8,848	58,896	41,004	7,134	41,978	39,079	58,005	7,389	34,978	133,307	441,838	916,734	430,618	417,174	2,206,364
1976	8,748	57,105	30,101	8,006	44,000	40,953	58,220	6,793	33,895	141,840	435,933	854,924	429,661	406,795	2,127,313
1977	7,892	57,035	34,783	8,463	44,502	39,808	57,592	6,766	30,256	136,774	434,558	872,064	423,871	402,448	2,132,941
1978	8,588	60,147	43,415	9,231	43,177	42,138	50,724	7,321	25,642	140,207	451,321	848,856	430,590	400,991	2,131,758
1979	7,884	57,298	42,684	9,544	41,804	40,531	46,077	6,862	24,565	137,721	416,574	808,051	414,970	387,896	2,027,491

¹Sales for 1934-62 for MT, WY, CO, and NM are statewide, the more current years are only for the Central Flyway portion.

² The Flyway boundary in MT changed in 1965.

DUCK STAMP SALES IN THE UNITED STATES: 1980-2001

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1980	7,758	53,286	37,214	10,126	38,867	41,257	36,536	6,457	17,626	139,738	409,281	787,236	388,865	382,800	1,968,182
1981	5,076	48,141	32,872	9,209	31,960	38,400	34,296	5,719	18,176	115,509	407,906	724,334	339,358	348,269	1,819,866
1982	7,021	49,936	35,648	9,743	33,956	43,332	32,603	6,615	17,776	122,278	402,929	709,923	358,908	358,339	1,830,097
1983	7,782	45,389	35,447	9,136	33,835	40,215	30,835	6,238	18,346	111,512	390,896	686,016	338,735	358,028	1,773,673
1984	7,692	42,680	38,700	11,030	36,488	45,549	33,363	6,517	20,442	111,845	412,866	703,159	354,306	344,936	1,815,266
1985	6,960	40,466	34,878	9,122	34,510	44,336	33,663	6,375	18,980	99,720	382,546	651,194	329,010	316,104	1,678,730
1986	5,779	42,136	37,052	9,076	36,827	43,681	35,553	5,309	18,550	101,113	387,744	673,764	335,076	292,359	1,689,173
1987	5,188	38,584	32,826	8,079	33,775	38,536	26,806	5,086	16,888	97,141	367,049	623,596	302,909	255,958	1,568,123
1988	4,267	24,662	27,352	7,539	26,147	34,073	17,416	4,145	13,447	81,928	341,836	508,198	240,976	217,614	1,309,315
1989	6,579	27,875	27,967	6,525	26,991	32,804	17,289	4,103	13,507	83,105	331,580	534,007	246,745	214,643	1,326,740
1990	4,644	25,836	28,650	6,426	28,538	27,344	16,203	4,154	13,937	82,847	326,403	557,549	238,579	209,881	1,332,755
1991	4,490	25,023	28,607	6,915	24,724	28,035	14,781	7,121	12,807	79,756	316,468	550,688	232,259	197,400	1,296,815
1992	5,205	24,657	29,751	7,315	28,094	27,115	17,291	3,823	12,351	78,887	300,332	554,396	234,489	196,785	1,286,002
1993	4,876	29,439	31,037	7,512	31,185	26,694	16,194	3,861	12,055	82,494	292,601	570,538	248,347	221,909	1,33,395
1994	5,771	32,675	31,613	8,598	31,639	31,939	18,151	4,540	13,725	85,519	296,841	635,327	264,170	220,436	1,416,774
1995	6,327	34,489	34,841	9,386	33,977	34,904	20,541	5,186	15,043	100,812	271,439	684,671	295,505	238,017	1,489,632
1996	6,472	34,373	33,995	9,633	34,833	35,385	21,666	4,038	16,661	101,695	291,829	695,871	298,751	239,248	1,525,599
1997	7,210	36,463	35,316	10,806	40,724	39,211	26,036	4,131	18,664	120,376	305,696	752,280	338,937	251,440	1,648,353
1998	7,618	35,970	34,129	11,095	34,968	39,776	22,958	4,056	19,963	127,346	298,932	733,840	337,878	254,271	1,624,921
1999	7,279	36,455	33,596	9,147	34,322	34,327	26,484	4,216	20,263	136,093	300,847	746,624	342,182	257,223	1,646,876
2000	7,218	34,926	32,445	9,582	37,072	35,388	29,195	4,243	21,362	144,369	306,740	757,094	356,095	252,738	1,662,666
2001	7,905	34,516	33,466	9,653	33,829	29,269	25,590	4,329	22,419	149,898	306,021	743,157	350,874	247,093	1,650,609
AVERAGES:															
1934-39	16,699	9,404	15,317	4,496	23,301	13,490	18,117	2,733	17,179	45,263	98,740	365,007	166,000	134,158	763,904
1940-49	29,537	35,917	47,664	8,760	41,027	28,979	41,715	6,496	36,148	106,735	233,818	686,117	382,977	318,251	1,621,163
1950-59	33,024	43,234	46,848	10,777	60,944	36,686	59,606	9,293	44,931	151,917	318,241	924,878	497,258	417,341	2,157,718
1960-69	10,169	35,985	35,857	4,392	32,722	24,834	38,357	4,433	24,895	89,678	310,680	665,259	301,321	359,000	1,636,260
1970-79	8,225	54,915	41,258	7,648	46,285	39,847	57,972	6,468	31,622	134,256	449,986	892,081	428,496	415,996	2,186,556
1980-89	6,410	41,316	33,996	8,959	33,336	40,218	29,836	5,656	17,374	106,389	383,463	660,143	323,489	308,905	1,677,917
1990-99	5,989	31,538	32,154	8,683	32,300	32,473	20,031	4,513	15,547	99,583	300,139	648,178	283,110	228,661	1,340,112
2000-01	7,562	34,721	32,956	9,618	35,451	32,329	27,393	4,286	21,891	147,134	306,381	750,126	353,485	249,916	1,656,638

MIGRATORY GAME BIRD HUNTING PERMITS BY PROVINCE/TERRITORY OF PURCHASE IN CANADA

YR	NF	PE	NS	NB	PQ	ON	MB	SK	AB	BC	NT	YT	NU	TOTAL
1966	13,269	3,271	7,220	8,535	35,868	144,063	37,784	44,744	52,911	32,394	N/A	N/A		380,059
1967	14,863	3,094	7,883	7,739	32,491	146,493	35,620	44,651	55,892	33,195	N/A	N/A		381,921
1968	17,645	3,649	9,022	9,558	37,110	139,182	38,712	43,596	53,623	33,301	N/A	N/A		385,398
1969	19,089	3,794	8,848	10,110	39,477	134,037	41,611	45,347	53,602	32,764	N/A	N/A		388,679
1970	21,347	3,926	9,926	10,293	46,009	135,231	39,230	47,722	59,986	31,350	N/A	N/A		405,020
1971	23,460	4,513	11,381	11,146	50,276	133,563	40,960	49,448	62,902	30,225	N/A	N/A		417,874
1972	23,682	4,492	12,158	11,336	53,082	131,427	41,133	50,004	63,309	31,032	N/A	N/A		421,655
1973	27,919	4,972	15,071	12,869	57,247	141,277	41,711	51,307	67,012	33,456	N/A	N/A		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	20,464	3,425	8,866	8,614	46,281	87,288	14,959	15,388	24,762	11,560	304	270		242,181
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		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
AVERAGES:														
1966-69	16,217	3,452	8,243	8,986	36,237	140,944	38,432	44,585	54,007	32,914	N/A	N/A		384,014
1970-79	29,025	5,210	13,578	12,710	61,596	143,727	43,581	54,354	70,058	29,149	781	525		463,771
1980-89	27,686	5,347	12,093	11,371	64,461	133,025	36,036	37,752	52,302	21,200	674	437		402,383
1990-01	17,750	3,339	8,497	8,203	39,713	83,584	18,632	20,548	25,459	10,742	313	266	20	237,048

WATERFOWL HUNTER ACTIVITY AND SUCCESS

D.E. SHARP S:\WKFILES\DATA\BOOK\ACTIVITY.123

ESTIMATES OF POTENTIAL ADULT WATERFOWL HUNTERS BY STATE OF SALE (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	GEN FLYWAY	PAC FLYWAY	U.S.
1963	11,840	36,319	36,203	3,479	26,282	20,060	28,624	4,801	19,778	73,516	266,716	567,713	260,902	333,268	1,428,599
1964	13,006	38,979	34,571	4,183	28,560	23,310	27,609	4,419	21,695	82,941	280,832	660,027	279,273	331,648	1,551,780
1965 ¹	4,796	33,867	30,844	1,798	24,106	18,693	32,277	3,654	20,835	87,610	296,973	627,232	258,480	349,707	1,532,392
1966	6,059	38,804	35,499	4,144	31,942	26,718	34,770	4,632	25,582	99,785	330,325	750,300	307,935	386,068	1,774,630
1967	6,369	40,058	41,539	4,841	40,326	28,746	47,499	5,194	32,718	110,822	356,269	807,760	358,112	388,416	1,910,555
1968	6,449	39,725	38,211	4,953	33,800	28,503	44,316	5,543	25,116	94,773	377,848	705,710	321,389	403,301	1,808,247
1969	7,320	42,365	39,735	5,499	41,935	31,215	53,479	4,836	30,430	114,786	432,226	803,484	371,600	437,090	2,044,401
1970	7,719	49,945	41,100	6,483	48,676	37,178	60,306	5,768	34,027	144,323	489,011	998,975	435,525	467,263	2,390,774
1971	8,262	53,327	46,367	7,682	50,420	42,831	63,475	6,309	35,624	136,736	492,330	994,355	451,033	446,485	2,384,203
1972	7,997	50,808	45,299	6,425	48,402	36,944	61,048	5,542	30,875	128,297	429,423	900,282	421,637	398,189	2,149,626
1973	8,180	49,129	44,912	6,530	50,524	38,671	58,393	5,204	31,333	115,720	424,347	817,971	408,596	399,550	2,050,465
1974	7,753	54,692	41,235	6,695	47,650	38,605	63,692	6,359	33,682	120,928	436,456	878,485	421,291	401,393	2,137,627
1975	8,742	58,808	40,906	7,049	41,609	38,805	57,570	7,236	34,460	130,987	425,394	899,047	426,172	407,082	2,157,697
1976	8,584	56,751	29,505	7,822	43,085	40,281	57,585	6,681	33,580	138,549	418,081	834,076	422,423	397,712	2,072,293
1977	7,718	55,512	33,962	8,266	43,705	38,486	56,256	6,583	29,920	132,561	415,199	853,860	412,969	388,171	2,070,201
1978	8,440	59,383	42,529	9,085	42,210	41,506	49,502	7,046	24,439	135,440	429,401	826,675	419,580	384,799	2,060,455
1979	7,800	56,845	42,283	9,463	41,566	40,061	45,519	6,791	24,332	135,311	406,998	791,543	409,971	378,360	1,986,872
1980	7,629	52,551	36,507	9,948	38,241	40,403	35,824	6,295	17,192	135,741	389,260	765,607	380,331	368,881	1,904,078
1981	4,980	47,443	32,218	9,055	31,487	37,309	33,377	5,558	17,636	111,235	383,738	701,471	330,298	332,581	1,748,089
1982	6,860	49,297	34,967	9,570	33,426	42,166	31,618	6,420	16,997	116,922	374,574	684,959	348,243	341,543	1,749,318
1983	7,601	44,794	34,837	8,972	33,368	39,001	29,854	6,043	17,575	106,104	360,883	657,789	328,149	338,443	1,685,265
1984	7,469	41,967	37,972	10,803	35,674	43,982	31,902	6,247	19,363	104,530	374,009	667,211	339,909	324,190	1,705,319
1985	6,700	39,256	34,240	8,847	33,350	42,939	31,909	6,095	17,966	91,054	340,695	605,094	312,356	293,657	1,551,802
1986	5,502	41,205	36,118	8,731	35,833	41,921	33,619	5,035	17,218	92,650	340,508	629,194	317,832	270,172	1,557,705
1987	4,909	37,577	31,867	7,749	32,704	36,971	25,064	4,813	15,697	87,058	319,462	581,089	284,409	231,981	1,416,405
1988	3,976	23,975	26,277	7,195	25,028	32,486	16,237	3,829	12,267	73,106	295,797	469,567	224,376	194,953	1,183,826
1989	6,073	26,968	26,676	6,218	25,248	31,293	16,086	3,620	12,469	75,579	281,005	494,296	230,230	190,911	1,196,350
1990	4,305	24,941	27,295	6,079	26,740	25,856	15,239	3,595	13,040	76,740	278,786	520,234	223,830	186,313	1,209,162
1991	4,196	24,188	26,967	6,471	23,295	26,457	13,972	6,177	12,153	74,863	270,666	516,644	218,739	175,061	1,181,110
1992	4,858	23,696	28,080	6,918	26,704	25,769	16,416	2,951	11,604	74,900	260,109	524,137	222,321	175,088	1,181,654
1993	4,591	28,320	29,627	7,154	29,970	27,997	15,407	3,488	11,220	77,541	251,911	540,193	235,314	198,268	1,225,686
1994	5,492	31,454	30,508	8,243	29,825	30,447	17,080	3,725	12,886	79,517	257,600	602,542	249,177	199,910	1,309,229
1995	6,104	33,138	33,873	9,089	32,488	33,384	19,195	4,397	14,320	93,572	236,885	651,464	279,559	219,061	1,386,969
1996	6,220	33,282	33,290	9,394	33,724	34,072	20,460	3,587	15,842	95,582	258,626	666,233	285,453	224,150	1,434,463
1997	7,001	35,489	34,391	10,641	39,579	38,325	24,368	3,856	17,886	112,608	275,549	719,969	324,143	236,843	1,556,504
1998	7,435	35,140	33,336	11,035	34,126	39,039	21,714	3,896	19,057	119,332	271,223	701,844	324,110	239,744	1,536,921
1999	7,163	35,712	32,948	9,147	33,213	33,986	24,725	4,113	19,539	128,818	275,497	717,514	329,365	244,337	1,566,713
2000	7,217	34,204	31,702	9,644	36,123	35,228	27,644	4,158	20,842	136,416	280,380	720,532	343,178	240,715	1,584,804
2001	7,737	33,904	32,659	9,152	32,974	38,928	26,066	4,075	20,377	144,497	287,140	717,219	350,370	234,981	1,589,710
AVERAGES:															
1963-69	7,977	38,588	36,657	4,128	32,422	25,321	38,368	4,726	25,165	94,890	334,456	703,175	308,242	375,643	1,721,515
1970-79	8,120	54,520	40,810	7,550	45,785	39,337	57,335	6,352	31,227	131,885	436,664	879,527	422,920	406,900	2,146,021
1980-89	6,170	40,503	33,168	8,709	32,436	38,847	28,549	5,396	16,428	99,398	345,993	625,628	309,613	288,731	1,569,816
1990-99	5,737	30,536	31,032	8,417	30,966	31,533	18,858	3,979	14,755	93,347	263,685	616,077	269,201	209,878	1,358,841
2000-01	7,477	34,054	32,181	9,398	34,549	37,078	26,855	4,117	20,610	140,457	283,760	718,876	346,774	237,848	1,587,257
1963-01	6,950	40,867	35,155	7,550	35,588	34,579	35,120	5,092	21,579	107,473	342,875	706,982	329,964	311,802	1,691,587

¹ Flyway boundary in MT changed in 1965

ESTIMATES OF ACTIVE ADULT WATERFOWL HUNTERS BY STATE OF SALE (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	10,117	20,385	23,692	3,951	24,483	19,212	28,635	2,739	17,713	48,413	174,100	426,752	199,340	232,012	1,032,174
1962	5,044	20,646	21,944	1,740	13,308	10,019	14,796	1,147	10,782	38,172	179,200	329,830	137,598	229,529	875,250
1963	8,347	29,418	28,419	2,453	20,736	16,048	20,466	4,119	14,636	53,814	195,500	460,233	198,456	256,983	1,111,648
1964	10,314	32,703	27,311	3,183	22,762	19,371	22,639	3,849	17,313	64,611	224,600	558,243	224,056	260,687	1,261,321
1965	3,688	30,040	25,755	1,280	18,923	14,450	25,467	3,033	16,126	69,037	241,200	546,871	207,799	287,055	1,282,004
1966	4,841	35,661	31,310	3,489	26,767	21,748	28,303	4,122	21,054	81,325	270,000	657,187	258,620	316,194	1,501,886
1967	5,509	36,172	36,513	3,873	35,164	23,715	39,994	4,524	27,581	90,098	288,000	704,788	303,143	326,036	1,621,861
1968	4,688	33,290	31,792	3,799	28,595	21,805	34,744	4,601	19,013	75,155	304,000	611,186	257,482	341,384	1,514,230
1969	5,778	38,696	34,529	4,412	36,097	25,610	45,318	3,875	24,928	94,443	361,910	698,925	313,686	365,202	1,738,691
1970	6,231	44,042	35,053	5,384	41,238	32,283	51,671	4,696	28,171	120,009	405,367	864,384	368,778	386,518	2,025,045
1971	6,720	46,790	40,675	6,619	43,201	35,905	52,448	5,188	28,451	106,939	406,625	847,547	372,936	367,005	1,994,115
1972	6,395	45,633	38,531	5,164	41,085	30,517	50,790	4,672	24,625	104,387	358,531	761,741	351,799	333,809	1,805,882
1973	6,301	42,430	38,292	5,487	42,724	31,694	47,304	4,293	25,697	93,994	357,798	700,025	338,216	330,952	1,726,993
1974	5,695	48,720	34,665	5,439	38,578	32,104	50,409	5,518	27,718	97,789	368,039	764,028	346,635	334,909	1,813,613
1975	6,839	53,294	34,725	5,965	34,801	32,848	46,836	6,539	28,856	107,935	357,409	792,045	358,638	344,576	1,852,669
1976	6,679	51,333	24,172	6,447	36,223	34,297	46,088	5,526	27,701	112,389	352,386	722,082	350,855	335,567	1,760,891
1977	5,652	47,522	28,331	6,624	38,053	32,308	45,709	5,149	24,511	108,587	351,928	743,204	342,446	323,350	1,760,928
1978	6,140	52,610	37,519	7,513	36,254	34,605	39,224	5,941	19,267	109,630	364,831	722,532	348,703	322,660	1,758,728
1979	6,022	50,439	35,293	7,532	34,362	32,682	36,411	5,714	19,210	111,347	346,612	699,369	339,012	315,394	1,700,391
1980	5,862	45,052	29,914	7,905	31,392	33,235	26,864	5,139	14,096	110,439	328,369	669,913	309,898	305,580	1,613,761
1981	3,832	40,995	26,976	7,600	27,085	30,228	26,344	4,445	14,164	90,601	324,681	621,401	272,270	277,047	1,495,400
1982	5,182	42,030	29,047	7,446	27,684	33,303	24,134	5,267	13,646	94,871	311,166	589,179	282,610	279,056	1,462,003
1983	5,451	38,993	28,626	7,223	28,363	32,339	24,505	5,319	15,118	90,471	304,070	594,231	276,408	283,643	1,458,352
1984	5,780	36,604	32,053	8,985	30,609	37,350	25,550	5,007	16,092	85,056	316,769	601,901	283,086	268,518	1,470,273
1985	5,178	31,744	26,404	7,022	28,510	36,570	26,580	4,988	15,321	77,091	284,584	547,905	259,408	245,760	1,337,662
1986	3,952	34,391	29,593	7,144	30,293	34,384	26,887	4,093	14,419	76,573	285,375	565,122	261,729	228,354	1,340,583
1987	3,779	32,983	27,110	6,106	27,958	31,005	19,811	4,037	13,541	73,650	268,637	529,982	239,980	201,646	1,239,905
1988	3,132	20,519	23,691	5,775	21,302	28,560	12,698	3,205	10,573	60,705	242,128	419,216	190,160	167,729	1,019,043
1989	4,448	24,387	23,727	4,829	21,983	27,511	13,574	3,174	10,739	63,881	232,746	451,533	198,253	168,717	1,050,871
1990	3,611	21,180	23,786	5,041	24,078	23,193	13,381	3,064	11,313	65,835	230,214	476,613	194,482	165,868	1,074,904
1991	3,255	20,684	23,963	5,517	20,201	23,172	12,336	5,058	10,398	64,662	240,158	477,187	189,246	156,976	1,063,568
1992	3,770	19,207	24,710	5,460	23,462	22,155	14,465	2,951	10,632	61,031	224,307	479,643	187,843	156,030	1,047,823
1993	3,722	25,285	24,815	6,247	26,906	24,621	13,243	3,071	10,060	66,546	220,490	495,325	204,517	178,255	1,098,588
1994	4,517	28,946	25,924	7,279	26,454	27,685	14,981	3,725	11,290	69,002	225,809	556,757	219,804	179,654	1,182,024
1995	5,209	29,832	28,837	8,222	28,213	29,189	16,169	3,724	12,713	80,033	204,976	596,039	242,140	198,284	1,241,439
1996	4,939	27,486	27,491	8,470	30,013	30,613	17,655	2,995	14,088	79,725	222,604	609,933	243,476	202,511	1,278,524
1997	6,177	33,923	29,226	9,132	33,449	33,635	20,907	3,415	16,005	96,447	240,467	668,994	282,316	220,127	1,411,904
1998	6,103	30,673	29,830	9,400	31,353	34,319	19,525	3,115	16,335	101,443	236,908	644,909	282,093	214,619	1,378,529
1999	6,140	29,948	28,241	7,457	28,211	28,858	22,823	3,573	16,622	102,483	230,523	648,534	274,356	212,225	1,365,639
2000	5,742	26,603	26,383	7,501	30,087	30,004	23,230	3,700	16,988	110,523	233,146	644,654	280,763	209,229	1,367,791
2001	6,592	29,370	28,806	7,385	28,069	32,208	22,022	3,337	17,676	115,235	242,342	646,024	290,700	201,344	1,382,353
AVERAGES:															
1961-69	6,481	30,779	29,029	3,131	25,204	19,109	28,929	3,557	18,794	68,341	248,723	554,891	233,353	290,565	1,326,563
1970-79	6,267	48,281	34,726	6,217	38,652	32,924	46,689	5,324	25,421	107,301	366,953	761,696	351,802	339,474	1,819,926
1980-89	4,660	34,770	27,714	7,004	27,518	32,449	22,695	4,467	13,771	82,334	289,852	559,038	257,380	242,605	1,348,785
1990-99	4,744	26,716	26,682	7,223	27,234	27,744	16,549	3,469	12,946	78,721	227,646	565,393	232,027	188,455	1,214,294
2000-01	6,167	27,987	27,595	7,443	29,078	31,106	22,626	3,519	17,332	112,879	237,744	645,339	285,732	205,287	1,375,072
1961-01	5,546	34,894	29,455	6,037	29,732	28,423	28,413	4,187	17,687	85,960	281,915	613,316	270,335	261,732	1,427,299

¹ Figures for 1961 & 1962 for MT, WY, CO, NM are statewide, including western portions which later became part of the PF

² Flyway boundary in MT changed in 1965.

ESTIMATES OF TOTAL DAYS HUNTED by WATERFOWL HUNTERS BY STATE OF SALE (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	44,933	110,847	193,251	22,976	166,280	94,457	169,285	13,707	85,117	241,936	1,099,400	2,416,665	1,142,788	1,462,077	6,120,930
1962	26,081	132,821	150,605	9,216	104,239	64,113	89,064	5,839	61,328	258,349	1,160,000	2,015,354	901,654	1,641,638	5,718,646
1963	46,084	219,105	218,997	14,196	132,980	101,514	144,142	27,638	83,953	318,471	1,247,000	2,929,380	1,307,080	1,893,722	7,377,181
1964	53,715	256,563	219,598	17,769	151,392	106,467	160,437	20,688	116,982	403,346	1,481,800	3,781,006	1,506,958	1,873,607	8,643,371
1965	18,100	202,171	211,531	8,626	141,584	104,793	170,390	16,443	111,434	381,131	1,527,700	3,880,100	1,366,203	1,916,851	8,690,853
1966	30,986	284,493	289,749	25,195	253,034	155,653	212,912	25,777	171,954	601,937	1,800,100	4,717,747	2,051,690	2,238,821	10,808,358
1967	35,981	303,146	317,640	26,017	316,100	175,846	307,309	25,040	223,183	498,437	1,902,800	4,966,245	2,228,700	2,399,186	11,496,930
1968	30,160	234,826	203,172	30,540	224,082	128,393	238,369	21,177	114,918	399,771	1,978,300	3,826,036	1,625,408	2,286,155	9,715,899
1969	37,592	327,404	308,881	29,605	311,655	193,761	320,250	24,985	164,811	685,308	2,598,200	5,029,864	2,404,252	2,848,540	12,880,856
1970	50,713	356,247	326,872	46,754	364,708	266,362	466,511	31,562	235,955	848,794	2,895,100	7,038,932	2,994,477	3,057,661	15,986,169
1971	47,175	391,209	390,319	51,280	392,541	341,520	502,985	36,460	229,569	706,717	2,926,400	6,703,275	3,089,777	2,849,029	15,568,480
1972	45,280	372,456	361,616	37,989	364,044	237,771	463,474	33,099	199,594	696,718	2,645,600	6,104,674	2,812,042	2,641,519	14,203,835
1973	40,774	328,113	346,417	43,236	377,281	229,590	411,994	28,641	237,033	643,736	2,649,000	5,520,947	2,686,816	2,697,202	13,553,965
1974	34,420	381,792	279,832	32,065	307,645	270,493	427,013	38,433	222,730	706,265	2,819,300	6,174,011	2,700,689	2,675,842	14,369,842
1975	45,777	456,100	281,476	43,820	333,243	244,722	406,755	54,047	258,755	818,815	2,843,500	6,708,830	2,943,510	2,838,661	15,334,501
1976	40,997	370,975	222,660	54,063	310,990	300,922	372,324	44,909	217,973	838,749	2,885,400	5,957,024	2,774,561	2,702,484	14,319,469
1977	37,460	371,953	234,760	44,858	334,302	264,728	358,305	36,444	197,778	808,425	2,723,100	6,240,653	2,689,012	2,595,733	14,248,498
1978	37,465	409,245	348,995	47,360	329,000	313,876	316,879	42,491	141,709	769,691	2,935,800	6,301,308	2,756,712	2,610,555	14,604,375
1979	41,506	374,690	318,871	45,911	309,427	243,357	295,111	38,648	140,768	822,690	2,840,300	6,425,579	2,630,979	2,460,008	14,356,866
1980	38,391	295,818	248,853	52,700	293,204	268,942	202,629	33,900	122,582	783,690	2,673,300	5,972,141	2,340,710	2,382,740	13,368,891
1981	24,188	292,268	223,934	51,020	267,835	241,616	193,592	27,600	109,311	629,769	2,671,200	5,623,883	2,061,133	2,154,137	12,510,353
1982	37,018	268,525	238,242	50,247	264,211	281,954	183,083	38,807	122,635	731,430	2,631,200	5,472,731	2,216,152	2,266,524	12,586,606
1983	31,622	265,667	198,886	46,933	230,086	223,984	189,062	38,321	116,787	615,295	2,405,500	5,177,313	1,956,644	2,055,828	11,595,284
1984	37,765	232,209	256,121	53,959	251,408	281,499	199,338	35,712	146,845	697,447	2,582,200	5,230,061	2,192,302	2,014,771	12,019,333
1985	28,439	184,264	179,584	44,146	234,271	286,698	196,831	34,961	128,793	563,399	2,125,100	4,458,872	1,881,384	1,725,881	10,191,238
1986	31,047	204,800	211,249	46,364	262,675	268,045	212,929	24,431	114,833	513,929	2,144,700	4,682,528	1,890,301	1,760,540	10,478,069
1987	25,066	206,557	198,416	34,272	256,742	205,465	157,613	33,395	103,378	578,064	2,019,200	4,305,083	1,798,968	1,581,647	9,704,898
1988	20,806	135,551	170,109	32,217	180,848	189,461	93,536	23,082	78,607	392,412	1,600,561	3,329,635	1,316,629	1,330,869	7,577,694
1989	28,077	170,379	190,627	36,609	184,744	183,919	104,794	23,710	72,568	483,707	1,593,300	3,453,269	1,479,133	1,252,451	7,778,152
1990	26,887	128,659	186,965	34,649	215,721	110,630	101,018	21,359	74,255	456,778	1,700,000	3,736,947	1,356,921	1,241,380	8,035,247
1991	22,791	114,348	201,275	41,327	163,362	198,859	98,798	37,130	79,127	429,484	1,710,600	3,945,063	1,386,501	1,209,391	8,251,556
1992	31,268	111,054	185,502	33,176	188,232	149,736	123,101	16,156	70,833	412,132	1,484,353	4,069,264	1,334,294	1,261,141	8,149,052
1993	26,945	177,201	184,698	55,940	206,950	226,356	115,908	16,669	96,070	517,749	1,480,208	4,082,236	1,624,487	1,508,945	8,695,876
1994	33,803	215,867	211,930	46,609	242,430	254,667	146,171	56,929	95,524	571,917	1,701,434	5,121,876	1,875,846	1,529,128	10,228,284
1995	33,999	198,276	273,531	61,602	275,826	279,874	168,726	27,193	125,237	614,476	1,590,525	5,835,867	2,058,739	1,926,912	11,412,043
1996	29,492	194,638	269,077	75,863	291,712	303,365	173,727	16,836	130,516	707,333	1,737,489	6,363,824	2,192,559	2,038,581	12,332,453
1997	43,875	268,049	265,145	69,760	336,653	326,625	200,883	26,176	160,144	774,742	2,071,356	7,256,463	2,472,052	2,136,513	13,936,384
1998	41,200	212,008	319,700	82,936	314,398	332,786	235,149	21,486	154,050	924,844	2,027,186	6,666,734	2,638,557	2,157,004	13,489,481
1999	36,178	230,142	239,164	48,599	289,997	232,112	169,960	33,782	184,449	937,991	2,013,454	7,088,746	2,402,374	1,959,486	13,464,060
2000	34,319	210,254	260,211	48,848	404,436	302,531	229,121	24,497	181,231	960,568	1,970,507	7,103,008	2,656,014	2,037,852	13,879,768
2001	62,382	256,240	325,594	70,835	330,879	392,523	266,458	27,037	191,275	1,119,859	2,131,866	7,647,357	3,043,081	2,038,964	14,861,268
AVERAGES:															
1961-69	35,959	230,153	234,825	20,460	200,150	125,000	201,351	20,144	125,964	420,965	1,643,922	3,729,155	1,614,970	2,062,288	9,050,336
1970-79	42,157	381,278	311,182	44,734	342,318	271,334	402,135	38,473	208,186	766,060	2,816,350	6,317,523	2,807,858	2,712,869	14,654,600
1980-89	30,242	225,604	211,602	44,847	242,602	243,158	173,341	31,392	111,634	598,914	2,244,626	4,770,552	1,913,335	1,852,539	10,781,052
1990-99	32,644	185,024	233,699	55,046	252,528	241,501	153,344	27,372	117,021	634,745	1,751,661	5,416,702	1,934,233	1,696,848	10,799,444
2000-01	48,351	233,247	292,903	59,842	367,658	347,527	247,790	25,767	186,253	1,040,214	2,051,187	7,375,183	2,849,548	2,038,408	14,370,518
1961-01	35,872	255,047	250,343	42,685	266,126	228,780	234,047	29,395	143,283	630,885	2,122,538	5,203,915	2,116,783	2,079,512	11,525,488

¹ Figures for 1961 & 1962 for MT, WY, CO, NM are statewide, including western portions which later became part of the PF

² Flyway boundary in MT changed in 1965.

AVERAGE DAYS OF HUNTING PER ACTIVE ADULT WATERFOWL HUNTER BY STATE OF SALE (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	4.44	5.44	8.16	5.82	6.79	4.92	5.91	5.00	4.81	5.00	6.84	5.66	5.73	6.30	5.88
1962	5.17	6.43	6.86	5.30	7.83	6.40	6.02	5.09	5.69	6.77	6.14	6.11	6.55	7.15	6.47
1963	5.52	7.45	7.71	5.79	6.41	6.33	7.04	6.71	5.74	5.92	5.93	6.36	6.59	7.37	6.59
1964	5.21	7.85	8.04	5.58	6.65	5.50	7.09	5.37	6.76	6.24	5.55	6.77	6.73	7.19	6.80
1965	4.91	6.73	8.21	6.74	7.48	7.25	6.69	5.42	6.91	5.52	6.14	7.10	6.57	6.68	6.73
1966	6.40	7.98	9.25	7.22	9.45	7.16	7.52	6.25	8.17	7.40	5.66	7.18	7.93	7.08	7.14
1967	6.53	8.38	8.70	6.72	8.99	7.41	7.68	5.53	8.09	5.53	6.25	7.05	7.35	7.36	7.03
1968	6.43	7.05	6.39	8.04	7.84	5.89	6.86	4.60	6.04	5.32	6.26	6.26	6.31	6.70	6.36
1969	6.51	8.46	8.95	6.71	8.63	7.57	7.07	6.45	6.61	7.26	5.47	7.20	7.66	7.80	7.34
1970	8.14	8.09	9.33	8.68	8.84	8.25	9.03	6.72	8.38	7.07	6.41	8.14	8.12	7.91	7.83
1971	7.02	8.36	9.60	7.75	9.09	9.51	9.59	7.03	8.07	6.61	7.12	7.91	8.29	7.76	7.74
1972	7.08	8.16	9.39	7.36	8.86	7.79	9.13	7.08	8.11	6.67	8.16	8.01	7.99	7.91	7.80
1973	6.47	7.73	9.05	7.88	8.83	7.24	8.71	6.67	9.22	6.85	7.39	7.89	7.94	8.15	7.78
1974	6.04	7.84	8.07	5.90	7.97	8.43	8.47	6.97	8.04	7.22	7.20	8.08	7.79	7.99	7.86
1975	6.69	8.56	8.11	7.35	9.58	7.45	8.68	8.27	8.97	7.59	7.89	8.47	8.21	8.24	8.21
1976	6.14	7.23	9.21	8.39	8.59	8.77	8.08	8.13	7.87	7.46	8.07	8.25	7.91	8.05	8.06
1977	6.63	7.83	8.29	6.77	8.79	8.19	7.84	7.08	8.07	7.44	8.20	8.40	7.85	8.03	8.03
1978	6.10	7.78	9.30	6.30	9.07	9.07	8.08	7.15	7.36	7.02	7.46	8.72	7.91	8.09	8.23
1979	6.89	7.43	9.03	6.10	9.00	7.45	8.11	6.76	7.33	7.39	8.47	9.19	7.76	7.80	8.37
1980	6.55	6.57	8.32	6.67	9.34	8.09	7.54	6.60	8.70	7.10	8.65	8.91	7.55	7.80	8.21
1981	6.31	7.13	8.30	6.71	9.89	7.99	7.35	6.21	7.72	6.95	8.23	9.05	7.57	7.78	8.28
1982	7.14	6.39	8.20	6.75	9.54	8.47	7.59	7.37	8.99	7.71	8.58	9.29	7.84	8.12	8.52
1983	5.80	6.81	6.95	6.50	8.11	6.93	7.72	7.20	7.73	6.80	8.65	8.71	7.08	7.25	7.87
1984	6.53	6.34	7.99	6.01	8.21	7.54	7.80	7.13	9.13	8.20	7.59	8.69	7.74	7.50	8.09
1985	5.49	5.80	6.80	6.29	8.22	7.84	7.41	7.01	8.41	7.31	9.07	8.14	7.25	7.02	7.54
1986	7.86	5.95	7.14	6.49	8.67	7.80	7.92	5.97	7.96	6.71	7.45	8.29	7.22	7.71	7.74
1987	6.63	6.26	7.32	5.61	9.18	6.63	7.96	8.27	7.63	7.85	7.98	8.12	7.50	7.84	7.74
1988	6.64	6.61	7.18	5.58	8.49	6.63	7.37	7.20	7.43	6.46	6.96	7.42	6.92	12.99	7.12
1989	6.31	6.99	8.03	7.58	8.40	6.69	7.72	7.47	6.76	7.57	6.85	7.65	7.46	7.42	7.33
1990	7.45	6.07	7.86	6.87	8.96	4.77	7.55	6.97	6.56	6.94	6.78	7.84	6.98	7.48	7.39
1991	7.00	5.53	8.40	7.49	8.09	8.58	8.01	7.34	7.61	6.64	7.12	8.27	7.33	7.70	7.76
1992	8.29	5.78	7.51	6.08	8.02	6.76	8.51	5.48	7.89	6.75	6.62	8.48	7.10	8.17	7.78
1993	7.24	7.01	7.44	8.95	7.69	9.19	8.75	5.43	9.55	7.78	6.71	8.24	7.94	8.64	7.92
1994	7.48	7.46	8.17	6.40	9.16	9.20	9.76	15.28	8.46	8.29	7.53	9.20	8.53	8.65	8.65
1995	6.53	6.65	9.49	7.49	9.78	9.59	10.44	7.30	9.85	7.68	7.76	9.79	8.50	9.89	9.19
1996	5.97	7.08	9.79	8.96	9.72	9.91	9.84	5.62	9.26	8.87	7.81	10.43	9.01	10.27	9.65
1997	7.10	7.90	9.07	7.64	10.06	9.71	9.61	7.67	10.01	8.03	8.61	10.85	8.76	9.91	9.87
1998	6.75	6.91	10.72	8.82	10.03	9.70	12.04	6.90	9.43	9.12	8.56	10.34	9.35	10.23	9.79
1999	5.89	7.68	8.47	6.52	10.28	8.04	7.45	9.45	11.10	9.15	8.73	10.93	8.76	9.34	9.86
2000	5.51	7.28	9.09	6.00	12.38	9.29	9.09	6.10	9.83	8.01	8.45	10.30	8.71	9.07	9.45
2001	8.72	8.04	10.41	8.84	10.86	11.23	11.15	7.46	9.97	8.95	8.80	11.06	9.64	9.43	10.11
AVERAGES:															
1961-69	5.68	7.31	8.03	6.43	7.79	6.49	6.88	5.60	6.53	6.11	6.03	6.63	6.83	7.07	6.71
1970-79	6.72	7.90	8.94	7.25	8.86	8.22	8.57	7.19	8.14	7.13	7.64	8.31	7.98	7.99	7.99
1980-89	6.53	6.48	7.62	6.42	8.81	7.46	7.64	7.04	8.04	7.27	8.00	8.43	7.41	8.14	7.84
1990-99	6.97	6.81	8.69	7.52	9.18	8.55	9.20	7.74	8.97	7.93	7.62	9.44	8.23	9.03	8.79
2000-01	7.12	7.66	9.75	7.42	11.62	10.26	10.12	6.78	9.90	8.48	8.62	10.68	9.18	9.25	9.78
1961-01	6.53	7.15	8.40	6.94	8.82	7.83	8.20	6.92	8.05	7.20	7.42	8.36	7.71	8.14	7.95

¹ Figures for 1961 & 1962 for MT, WY, CO, NM are statewide, including western portions which later became part of the PF

² Flyway boundary in MT changed in 1965.

AVERAGE SEASONAL DUCK BAG PER ACTIVE ADULT WATERFOWL HUNTER BY STATE OF SALE (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	9.89	5.61	6.04	7.10	7.60	5.01	7.30	5.27	7.02	7.80	6.07	3.90	6.80	10.31	
1962	5.72	6.85	5.84	7.21	4.64	3.63	4.01	4.37	3.89	4.47	5.89	3.27	5.46	10.28	
1963	5.33	7.27	9.50	5.35	6.31	5.00	5.45	7.60	3.18	4.70	4.95	5.20	6.48	13.22	
1964	5.47	8.27	7.53	7.60	7.53	3.78	6.43	5.64	6.52	6.83	4.79	6.10	7.35	11.58	
1965	4.02	8.37	7.23	4.17	5.81	3.73	5.03	4.45	4.97	6.11	4.47	6.33	6.66	12.45	
1966	7.47	11.40	10.27	7.17	8.19	4.80	6.56	7.43	8.37	9.62	5.85	7.18	9.57	13.69	9.56
1967	5.95	11.13	9.12	7.94	9.22	6.52	8.63	7.50	8.45	6.36	5.22	6.49	8.56	16.56	9.26
1968	6.23	7.08	4.93	7.91	6.18	3.95	5.56	5.64	4.73	5.28	4.97	3.79	5.92	10.95	8.19
1969	7.61	12.97	10.28	7.85	9.70	5.22	7.43	7.66	7.14	10.86	5.61	6.23	10.25	13.71	9.09
1970	9.18	10.71	9.03	9.66	10.64	6.07	8.67	8.87	8.55	10.68	5.39	7.18	10.28	14.03	9.52
1971	7.28	7.88	8.58	6.33	6.76	5.81	8.01	6.20	7.01	4.50	6.74	6.15	6.89	10.59	6.66
1972	6.44	8.33	7.89	6.30	6.94	5.57	7.81	6.53	8.35	9.00	4.48	6.28	7.91	11.41	7.15
1973	5.21	4.96	7.48	5.95	6.85	4.37	7.02	3.59	8.63	7.82	4.19	6.27	6.79	9.60	6.57
1974	4.85	6.74	3.94	4.54	3.14	3.05	5.79	7.13	6.16	8.92	4.55	6.46	6.09	10.56	6.73
1975	7.24	6.60	5.47	7.37	6.92	3.23	5.65	7.75	8.49	11.32	5.03	7.95	7.71	11.50	7.97
1976	6.80	6.01	5.54	5.57	6.47	4.76	6.15	9.47	7.60	10.17	5.73	8.03	7.44	12.29	8.23
1977	5.46	3.50	5.00	5.29	6.81	3.14	7.38	5.79	7.39	9.13	5.14	7.70	6.64	9.46	7.30
1978	5.79	6.75	10.17	5.56	8.36	4.11	5.89	6.50	6.38	10.24	5.19	8.42	7.95	12.22	8.33
1979	5.50	6.81	7.12	5.14	6.60	3.38	6.11	5.16	5.76	10.24	5.21	8.76	7.41	10.56	8.09
1980	4.91	4.53	5.13	4.61	5.87	3.12	4.99	5.60	8.05	8.78	5.73	8.45	5.15	10.44	7.83
1981	6.04	5.60	4.67	4.78	7.71	4.09	6.14	4.94	8.18	9.40	5.71	8.43	6.98	9.63	7.79
1982	6.41	5.10	4.63	5.73	7.63	3.58	5.96	7.85	8.92	11.20	5.08	8.10	7.52	10.34	7.74
1983	6.02	5.51	6.38	6.52	8.21	4.08	6.59	7.21	7.89	9.17	5.40	9.57	7.21	10.68	8.45
1984	4.56	4.95	7.39	5.27	6.91	3.27	6.06	7.10	10.96	11.39	5.68	9.29	7.64	9.19	8.17
1985	3.83	3.53	4.70	3.92	5.12	2.47	5.18	5.17	8.32	7.72	4.86	7.44	5.42	9.21	6.81
1986	5.82	5.06	5.27	3.58	4.89	2.66	5.31	4.38	7.54	7.39	4.93	7.20	5.55	9.52	6.76
1987	4.37	5.24	4.43	3.99	5.10	2.66	5.79	7.87	8.44	10.28	5.06	6.93	6.57	10.51	7.08
1988	2.89	2.37	2.90	2.96	3.16	1.98	4.00	4.16	5.96	4.80	4.06	4.46	3.61	7.53	4.71
1989	1.87	2.74	3.25	3.74	3.41	2.23	3.87	3.84	5.09	6.40	4.88	5.64	4.21	8.87	5.70
1990	3.16	2.68	2.38	3.38	3.69	2.32	3.84	2.32	5.29	5.91	4.53	5.34	4.07	8.94	5.48
1991	2.20	2.08	3.30	2.04	3.39	1.72	3.96	3.82	5.10	4.49	4.93	5.75	3.49	8.90	5.61
1992	7.42	2.41	3.60	2.63	3.58	2.41	6.02	3.39	6.66	5.62	4.53	6.10	4.40	9.48	5.95
1993	3.22	3.75	3.78	3.06	3.21	2.15	4.31	3.85	7.04	6.18	5.07	5.99	4.45	9.60	6.08
1994	6.43	5.25	4.17	3.27	4.23	3.03	5.40	2.76	7.79	9.25	5.20	6.98	6.03	10.60	6.98
1995	4.65	5.99	5.87	4.00	6.14	4.37	6.39	5.71	10.78	9.98	8.47	10.68	7.29	12.84	9.96
1996	6.58	6.85	5.97	4.24	5.18	4.87	7.98	6.38	12.53	11.81	7.19	10.82	8.23	14.97	10.30
1997	7.42	7.51	6.44	5.36	6.50	4.84	8.91	9.58	14.26	12.66	7.85	11.30	9.16	14.50	10.74
1998	6.31	5.88	8.02	3.27	7.35	5.21	13.02	6.79	14.73	15.63	8.62	11.93	10.63	16.16	11.71
1999	4.28	5.92	6.05	3.88	4.31	3.84	8.87	10.30	13.63	12.45	9.05	12.51	8.66	12.61	11.15
2000	3.63	5.92	6.42	5.18	7.79	3.66	9.47	6.11	14.09	11.40	8.37	12.33	8.81	10.81	10.68
2001	4.89	7.70	7.13	4.10	6.85	4.84	9.81	6.57	11.21	12.22	7.05	10.41	9.24	10.77	9.61
AVERAGES:															
1961-69	6.41	8.77	7.86	6.92	7.24	4.63	6.27	6.17	6.03	6.89	5.31	5.39	7.45	12.53	9.02
1970-79	6.37	6.83	7.02	6.17	6.95	4.35	6.85	6.70	7.43	9.20	5.17	7.32	7.51	11.22	7.65
1980-89	4.67	4.46	4.88	4.51	5.80	3.01	5.39	5.81	7.93	8.65	5.14	7.55	5.98	9.59	7.10
1990-99	5.17	4.83	4.96	3.51	4.76	3.48	6.87	5.49	9.78	9.40	6.54	8.74	6.64	11.86	8.40
2000-01	4.26	6.81	6.78	4.64	7.32	4.25	9.64	6.34	12.65	11.81	7.71	11.37	9.03	10.79	10.15
1961-01	5.57	6.19	6.17	5.21	6.22	3.87	6.51	6.05	8.07	8.74	5.65	7.50	6.99	11.25	8.00

¹ Figures for 1961 & 1962 for MT, WY, CO, NM are statewide, including western portions which later became part of the PF

² Flyway boundary in MT changed in 1965.

AVERAGE SEASONAL GOOSE BAG PER ACTIVE ADULT WATERFOWL HUNTER BY STATE OF SALE (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	0.72	1.90	0.68	0.69	0.72	0.73	0.74	0.73	0.74	0.75	0.80	0.55	0.72	1.01	
1962	1.22	1.19	2.62	0.63	1.30	0.76	0.67	0.43	1.03	3.53	1.00	0.53	1.95	1.09	
1963	0.61	1.74	1.62	0.37	0.74	0.68	0.46	0.69	0.97	2.49	0.99	0.44	1.46	1.46	
1964	0.54	1.64	1.63	0.20	0.54	0.69	0.87	0.10	0.43	1.96	0.90	0.51	1.26	1.26	
1965	0.38	1.25	2.20	0.83	0.76	0.74	0.44	0.30	0.49	1.23	0.49	0.54	1.09	0.91	
1966	0.35	1.56	1.75	0.49	0.70	0.63	0.48	0.47	0.90	3.48	0.82	0.62	1.81	1.61	1.06
1967	0.65	1.63	1.18	0.21	0.61	0.46	0.42	0.24	0.42	1.54	0.82	0.54	1.02	1.13	0.80
1968	0.55	0.84	1.06	0.47	0.74	0.33	0.22	0.43	0.20	1.29	0.82	0.46	0.79	0.96	0.70
1969	0.95	1.85	2.38	0.39	0.69	0.39	1.85	0.17	0.50	1.41	0.91	0.75	1.17	1.15	0.95
1970	0.71	2.10	2.10	0.49	0.83	1.11	0.90	0.55	0.58	2.33	0.90	0.69	1.59	1.32	1.03
1971	0.69	2.27	1.46	0.41	1.06	0.81	0.80	0.61	0.35	0.83	0.81	0.43	1.03	0.88	0.72
1972	0.79	1.02	1.21	0.26	0.71	0.46	0.48	0.40	0.45	1.12	0.56	0.36	0.84	1.08	0.63
1973	0.68	2.32	1.48	0.69	0.84	0.78	0.79	0.42	0.39	1.90	0.95	0.58	1.34	1.06	0.90
1974	0.82	2.44	1.58	0.28	0.70	0.54	0.76	0.15	0.36	1.32	0.90	0.59	1.17	0.87	0.81
1975	0.42	3.19	1.77	0.35	0.93	0.78	0.50	0.50	0.76	2.01	1.08	0.64	1.56	0.93	0.96
1976	0.50	2.05	1.72	0.51	0.48	0.90	0.57	0.80	0.48	1.78	1.06	0.62	1.26	1.11	0.93
1977	0.61	3.18	1.38	0.51	0.74	0.98	0.57	0.95	0.48	1.75	1.37	0.65	1.42	0.98	1.01
1978	0.55	2.03	1.22	0.65	0.95	1.33	0.72	0.79	0.52	1.17	0.93	0.80	1.19	1.02	0.94
1979	0.78	3.19	1.53	0.43	0.97	0.82	0.63	0.48	0.46	1.98	0.93	0.75	1.58	0.80	0.96
1980	0.74	2.19	1.78	0.58	0.78	0.90	0.41	0.89	0.49	2.21	1.52	0.72	1.56	0.83	1.06
1981	0.94	3.59	2.63	0.83	0.88	0.98	0.75	0.95	0.56	2.46	1.13	0.84	1.97	1.04	1.15
1982	1.22	2.18	2.29	0.76	0.93	1.24	0.59	0.78	0.62	2.37	1.35	0.79	1.73	0.95	1.11
1983	1.10	3.37	1.79	0.86	0.94	1.25	1.21	1.58	1.66	1.97	1.82	0.89	1.82	1.07	1.29
1984	1.33	2.89	2.09	1.08	1.06	1.18	0.90	1.06	0.70	3.16	1.53	0.79	2.03	1.06	1.23
1985	1.43	2.82	1.88	1.41	1.56	1.73	0.98	1.92	1.35	2.55	1.39	0.89	2.00	1.26	1.28
1986	2.22	2.25	1.45	1.53	1.50	1.34	0.91	1.04	0.52	1.29	1.49	0.78	1.40	0.88	1.07
1987	1.88	2.58	1.89	0.93	1.15	1.29	0.88	1.45	0.47	2.08	1.44	0.75	1.68	1.06	1.14
1988	2.36	5.22	3.23	1.01	1.74	1.42	0.98	1.91	0.79	3.39	1.31	1.27	2.67	1.29	1.54
1989	1.65	4.30	3.09	1.89	1.47	1.77	1.43	3.63	1.41	4.04	1.55	1.65	2.92	1.21	1.80
1990	2.67	2.59	3.36	2.15	1.69	2.15	1.43	2.76	1.39	3.39	1.42	1.43	2.64	1.52	1.65
1991	4.15	4.68	3.48	2.06	1.66	2.24	1.51	1.61	1.33	2.77	1.45	1.55	1.78	1.50	1.71
1992	3.59	3.39	2.19	1.33	1.35	2.03	1.13	0.75	1.23	2.37	1.21	1.23	2.09	1.62	1.43
1993	3.41	3.77	2.16	4.48	1.80	3.11	1.82	1.43	1.67	3.50	1.46	1.46	2.90	1.74	1.77
1994	3.35	4.92	3.08	1.51	2.69	2.33	2.60	3.86	1.50	2.70	1.48	1.54	2.91	1.78	1.81
1995	2.60	4.16	3.89	3.08	2.09	3.66	2.42	2.19	2.53	3.10	0.90	1.83	3.17	1.51	1.89
1996	2.57	4.47	4.06	6.67	4.23	4.56	3.02	1.43	1.63	3.14	1.19	1.95	3.70	1.88	2.13
1997	5.76	6.40	3.49	2.05	2.32	3.31	2.21	1.95	1.37	2.67	1.42	1.85	3.17	1.50	1.98
1998	4.24	4.59	4.96	3.03	3.82	5.04	4.60	2.61	2.12	2.44	1.91	1.99	3.60	1.83	2.28
1999	1.78	4.24	4.75	2.06	3.17	3.09	2.01	3.76	2.01	5.55	1.69	2.11	4.11	1.61	2.36
2000	3.62	4.76	4.93	3.15	4.08	3.73	4.79	1.19	3.35	1.61	1.86	2.04	3.16	1.92	2.21
2001	6.70	6.36	6.29	6.28	2.48	4.18	3.51	1.82	2.40	2.74	2.44	1.80	3.80	1.77	2.33
AVERAGES:															
1961-69	0.66	1.51	1.68	0.47	0.76	0.60	0.54	0.40	0.63	1.96	0.84	0.55	1.25	1.18	0.88
1970-79	0.65	2.38	1.55	0.46	0.82	0.85	0.67	0.57	0.48	1.62	0.95	0.61	1.30	1.00	0.89
1980-89	1.49	3.14	2.21	1.09	1.20	1.31	0.90	1.52	0.86	2.55	1.45	0.94	1.98	1.06	1.27
1990-99	3.41	4.32	3.54	2.84	2.48	3.15	2.28	2.23	1.68	3.16	1.41	1.69	2.99	1.65	1.90
2000-01	5.16	5.56	5.61	4.72	3.28	3.96	4.15	1.51	2.88	2.18	2.15	1.92	3.48	1.85	2.27
1961-01	1.75	3.00	2.42	1.40	1.42	1.62	1.26	1.21	1.01	2.33	1.22	1.00	1.95	1.26	1.35

¹ Figures for 1961 & 1962 for MT, WY, CO, NM are statewide, including western portions which later became part of the PF

² Flyway boundary in MT changed in 1965.

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DUCK HARVESTS IN NORTH AMERICA

D.E. SHARP S:\WKFILES\DATABOOK\NAHARV.123

ESTIMATED REGULAR SEASON MALLARD HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	30,341	57,516	65,631	15,094	93,512	45,987	37,796	3,388	30,157	29,576	104,980	866,890	408,998	722,441	2,103,308
1962	3,881	58,786	40,953	2,890	18,549	11,912	10,432	1,803	9,251	32,038	116,037	437,683	190,495	647,910	1,392,126
1963	19,675	91,264	93,067	6,451	52,779	48,038	24,548	8,168	12,259	48,261	137,065	926,314	404,510	945,260	2,413,150
1964	24,630	115,218	89,156	12,431	74,511	40,831	35,238	5,573	38,330	74,162	162,953	1,320,968	510,080	963,526	2,957,527
1965	8,084	91,664	52,559	739	43,046	24,851	26,622	2,352	14,063	54,036	160,791	919,162	318,016	1,030,465	2,428,434
1966	20,050	166,521	123,597	10,294	102,485	48,277	57,220	7,859	52,804	98,341	223,050	1,649,955	687,448	1,186,334	3,746,786
1967	16,135	160,280	149,508	12,261	153,066	85,250	100,268	8,893	50,129	72,051	231,255	1,732,341	807,841	1,413,406	4,184,943
1968	19,675	98,251	70,621	18,344	80,130	65,112	78,328	11,765	43,994	60,013	257,777	830,947	546,233	1,029,641	2,664,597
1969	33,988	162,586	110,156	16,711	156,031	70,105	86,606	9,716	47,224	109,339	330,357	1,431,574	802,462	1,187,715	3,752,109
1970	42,681	202,787	136,764	25,049	191,476	102,644	116,775	11,611	68,473	156,971	356,214	2,529,499	1,055,231	1,357,903	5,298,847
1971	51,809	237,680	193,969	29,028	181,938	137,876	206,642	9,019	90,360	93,521	339,076	2,163,698	1,231,842	1,286,961	5,021,578
1972	36,518	260,012	176,599	25,316	172,524	113,198	212,818	9,652	105,181	143,587	357,951	1,950,066	1,255,405	1,337,531	4,900,954
1973	22,150	120,901	181,124	24,775	146,590	93,895	154,831	4,720	102,811	155,172	335,799	1,687,918	1,006,969	1,175,828	4,206,516
1974	22,001	192,504	64,572	18,197	66,207	56,089	123,813	14,131	102,707	149,248	383,605	2,244,880	809,469	1,181,947	4,619,903
1975	37,501	173,011	99,098	34,728	117,525	72,385	114,902	16,633	106,639	162,494	409,344	2,518,179	934,916	1,175,021	5,037,463
1976	33,984	172,411	59,705	22,708	139,902	83,863	119,088	21,500	101,941	220,603	478,399	2,409,565	975,705	1,259,829	5,123,496
1977	25,177	94,652	57,638	26,692	144,736	56,938	150,979	8,540	67,846	156,328	388,118	2,270,227	789,526	1,020,081	4,467,953
1978	29,955	224,437	177,390	29,256	184,475	77,521	129,375	13,223	55,732	138,389	442,375	2,257,106	1,059,753	1,306,342	5,065,575
1979	24,980	193,807	138,375	25,073	133,394	66,922	104,244	13,644	76,054	146,584	437,752	2,346,114	923,077	1,107,742	4,814,686
1980	21,559	145,593	83,232	24,502	128,078	52,234	78,605	12,076	64,569	176,390	435,042	2,347,397	786,838	1,112,960	4,682,238
1981	17,827	165,107	69,515	20,612	141,652	83,015	91,903	8,297	62,594	123,902	444,614	2,062,147	784,424	1,074,456	4,365,642
1982	28,436	134,728	68,644	27,944	118,448	65,695	71,520	14,836	62,611	90,204	396,087	1,781,527	683,066	1,076,085	3,936,674
1983	26,471	130,283	90,984	32,650	132,870	86,470	88,133	20,036	49,532	115,138	417,402	2,017,900	772,567	1,239,011	4,446,889
1984	22,584	128,886	123,350	27,284	135,503	61,304	54,338	13,612	86,258	89,671	382,695	1,796,228	742,790	1,030,170	3,951,882
1985	19,690	74,546	59,550	17,929	81,197	46,411	46,712	11,397	68,474	81,855	319,878	1,532,919	510,761	977,969	3,341,527
1986	20,866	134,059	72,348	18,951	87,131	46,642	63,868	7,919	66,910	67,925	362,636	1,549,870	586,619	900,205	3,399,330
1987	13,780	139,957	65,496	18,063	94,869	49,861	49,531	15,005	71,256	94,647	340,416	1,458,800	612,465	817,964	3,229,552
1988	7,914	43,700	43,154	11,781	51,290	37,831	35,439	6,503	42,678	44,420	257,062	874,640	324,709	558,604	2,015,016
1989	7,889	49,956	39,262	11,600	48,572	34,360	29,899	6,729	33,846	73,103	321,539	1,094,664	335,216	605,100	2,356,518
1990	11,832	39,963	30,694	12,366	61,660	33,302	32,703	4,126	38,322	62,016	266,849	1,091,129	326,984	635,071	2,320,035
1991	10,873	35,095	43,578	7,991	55,511	23,120	29,500	8,763	28,149	51,164	317,713	1,189,734	293,744	573,899	2,375,090
1992	25,956	39,192	54,429	9,798	66,401	35,818	40,608	5,060	41,504	52,198	294,247	1,249,427	370,964	651,394	2,566,033
1993	10,358	70,686	49,540	11,734	60,510	36,917	33,846	7,204	45,448	69,477	313,619	1,336,829	395,720	707,113	2,753,282
1994	28,357	107,277	54,549	14,052	62,741	44,211	45,690	5,615	54,039	100,582	328,495	1,524,083	517,113	757,411	3,127,102
1995	32,237	142,791	77,706	21,326	106,550	60,725	53,267	9,131	86,400	121,559	423,976	2,342,566	711,692	965,760	4,443,994
1996	27,778	165,149	101,698	18,327	92,723	73,942	77,763	6,305	110,191	108,889	407,176	2,483,720	782,765	1,215,807	4,889,468
1997	37,941	203,320	93,981	28,987	114,069	79,374	77,307	12,164	126,589	139,453	478,231	2,848,412	913,185	1,192,922	5,432,751
1998	34,099	152,305	127,222	19,827	115,949	89,785	111,261	9,623	130,559	189,533	440,711	2,760,767	980,163	1,458,401	5,640,040
1999	24,553	192,849	121,027	20,141	71,883	58,584	119,887	17,830	108,587	179,255	439,152	3,082,407	914,596	1,150,464	5,586,620
2000	23,036	235,678	118,380	26,328	145,893	51,954	123,237	13,656	167,193	207,288	498,994	3,041,196	1,112,643	1,043,273	5,696,107
2001	31,124	339,617	149,850	27,245	143,320	76,848	137,169	13,809	154,423	230,217	399,360	2,500,160	1,303,622	999,414	5,202,556
AVERAGES:															
1961-71	24,632	131,141	102,362	13,572	104,320	61,898	70,952	7,286	41,549	75,301	219,960	1,346,276	633,014	1,070,142	3,269,400
1972-81	27,165	174,244	110,725	25,186	137,508	75,606	128,056	12,242	84,607	157,270	411,300	2,209,360	932,608	1,175,174	4,728,443
1982-91	17,034	91,117	63,706	18,656	86,705	48,800	50,164	10,893	54,804	77,014	338,228	1,438,741	518,892	841,408	3,137,251
1992-01	27,544	164,886	94,838	19,777	98,004	60,816	82,004	10,040	102,493	139,845	402,396	2,316,957	800,246	1,014,196	4,533,795
1961-01	24,107	140,123	93,138	19,158	106,578	61,783	82,505	10,046	70,148	111,454	339,971	1,816,088	719,040	1,026,325	3,901,422

ESTIMATED REGULAR SEASON MALLARD HARVESTS IN THE CENTRAL FLYWAY (CF)--LOW PLAINS¹ (Mail Questionnaire Survey)

YR	ND	SD	NE	KS	OK	TX	LOW PLAINS	CF TOTAL	% LOW PLAINS
1963	91,157	81,279	14,267	19,410	12,259	42,084	260,456	404,510	64%
1964	114,451	72,703	38,571	29,289	38,330	65,399	358,743	510,080	70%
1965	91,083	42,376	28,569	23,990	13,883	49,423	249,324	318,016	78%
1966	166,144	95,599	76,427	49,038	52,698	88,064	527,970	687,448	77%
1967	159,900	115,208	124,173	92,920	50,129	63,455	605,785	807,841	75%
1968	97,465	60,437	48,793	72,481	43,994	52,285	375,455	546,233	69%
1969	162,215	97,353	75,668	82,013	47,224	94,521	558,994	802,462	70%
1970	202,336	109,682	125,478	104,532	68,473	134,448	744,949	1,055,231	71%
1971	237,493	175,396	138,477	196,813	90,360	81,789	920,328	1,231,842	75%
1972	259,556	146,987	119,441	202,460	105,029	122,203	955,676	1,255,405	76%
1973	119,150	148,844	97,566	148,733	100,908	95,759	710,960	1,006,969	71%
1974	190,924	52,650	45,185	120,204	101,855	115,059	625,877	809,469	77%
1975	170,465	57,467	79,016	106,976	106,639	138,372	658,935	934,916	70%
1976	171,350	27,555	97,946	107,733	101,009	183,715	689,308	975,705	71%
1977	94,168	46,887	115,042	148,061	67,390	118,995	590,543	789,526	75%
1978	221,782	139,368	125,438	123,905	55,732	111,122	777,347	1,059,753	73%
1979	192,142	118,338	103,172	99,167	75,652	111,863	700,334	923,077	76%
1980	143,601	70,697	96,243	77,462	64,256	143,500	595,759	786,838	76%
1981	164,248	51,342	103,163	88,726	62,594	98,331	568,404	784,424	72%
1982	133,988	48,230	91,111	67,151	62,611	73,632	476,723	683,066	70%
1983	129,310	69,185	91,712	85,565	49,532	89,138	514,442	742,567	67%
1984	128,886	100,463	113,807	48,324	86,258	57,132	534,870	742,790	72%
1985	74,546	48,337	60,204	43,539	68,474	68,991	364,091	510,761	71%
1986	134,059	59,621	65,962	59,732	66,868	55,260	441,502	586,619	75%
1987	139,957	50,878	58,775	46,876	71,256	70,831	438,573	612,465	72%
1988	43,700	35,205	30,581	32,162	42,678	35,235	219,561	324,709	68%
1989	49,956	33,889	32,598	26,468	33,846	59,134	235,891	335,216	70%
1990	39,963	25,310	46,057	29,469	38,322	54,518	233,639	326,984	71%
1991	35,095	35,867	37,593	27,457	28,149	45,776	209,937	293,744	71%
1992	39,192	43,248	39,817	39,086	41,504	40,509	243,356	370,964	66%
1993	70,686	40,587	37,627	33,384	45,448	62,085	289,817	395,720	73%
1994	107,277	43,299	44,747	45,218	54,039	91,293	385,873	517,113	75%
1995	142,791	59,966	79,419	51,394	86,400	103,832	523,802	711,692	74%
1996	165,149	84,847	73,024	75,964	110,191	99,974	609,149	782,765	78%
1997	203,320	74,573	80,883	71,674	126,589	108,292	665,331	913,185	73%
1998	152,305	102,900	91,766	109,459	130,559	179,044	766,033	980,163	78%
1999	192,849	103,575	46,286	117,584	108,587	149,388	718,269	914,596	79%
2000	235,678	98,743	119,162	119,854	167,193	196,219	936,849	1,112,643	84%
2001	339,617	133,585	113,256	135,898	154,423	203,800	1,080,579	1,303,622	83%
AVERAGES:									
1963-71	146,916	94,448	74,491	74,498	46,372	74,608	511,334	707,074	72%
1972-81	172,739	86,014	98,221	122,343	84,106	123,892	687,314	932,608	74%
1982-91	90,946	50,699	62,840	46,674	54,799	60,965	366,923	518,892	71%
1992-01	164,886	78,532	72,599	79,952	102,493	123,444	621,906	800,246	78%
1963-01	143,794	76,987	77,103	81,030	72,598	96,268	547,780	740,542	1 #

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¹Excludes a small % of the harvest for which area of harvest was unknown. Includes a small proportion of harvest (about 2% of State harvest) occurring in the High Plains area of Oklahoma.

ESTIMATED REGULAR SEASON MALLARD HARVESTS IN THE CENTRAL FLYWAY(CF)--HIGH PLAINS¹ (Mail Questionnaire Survey)

YR	MT	SD	WY	NE	CO	KS	NM	TX	HIGH PLAINS	CF TOTAL	% HIGH PLAINS
1963	19,675	11,404	6,451	14,502	48,038	5,138	8,168	6,177	119,553	404,510	30%
1964	24,630	16,417	12,431	35,914	40,831	5,949	5,573	8,336	150,081	510,080	29%
1965	8,084	10,183	739	14,477	24,851	2,631	2,352	4,402	67,719	318,016	21%
1966	20,050	26,822	10,294	24,983	48,277	8,182	7,859	9,248	155,715	687,448	23%
1967	16,135	33,715	12,261	28,418	85,250	7,107	8,893	7,951	199,730	807,841	25%
1968	19,675	10,184	18,344	31,337	65,112	5,847	11,765	6,735	168,999	546,233	31%
1969	33,988	12,614	16,711	79,452	70,105	4,592	9,716	13,266	240,444	802,462	30%
1970	42,681	27,082	25,049	65,870	102,644	12,243	11,611	22,189	309,369	1,055,231	29%
1971	51,809	18,573	29,028	43,015	137,876	9,829	9,019	11,275	310,424	1,231,842	25%
1972	36,518	28,936	25,316	52,807	113,198	10,357	9,652	21,010	297,794	1,255,405	24%
1973	22,150	30,673	24,775	48,524	93,895	5,953	4,720	58,887	289,577	1,006,969	29%
1974	22,001	11,217	18,197	21,022	56,089	3,192	14,131	33,571	179,420	809,469	22%
1975	37,501	40,334	34,728	37,795	72,385	7,141	16,633	23,536	270,053	934,916	29%
1976	33,984	30,969	22,708	41,956	83,863	10,480	21,500	35,821	281,281	975,705	29%
1977	25,177	10,751	26,692	28,833	56,938	2,463	8,540	36,778	196,172	789,526	25%
1978	29,955	38,021	29,256	58,845	77,521	5,256	13,223	26,679	278,756	1,059,753	26%
1979	24,980	19,842	25,073	28,848	66,922	4,443	13,644	34,548	218,300	923,077	24%
1980	21,559	12,424	24,502	31,608	52,234	1,032	12,076	32,890	188,325	786,838	24%
1981	17,827	17,892	20,612	38,306	83,015	2,641	8,297	24,937	213,527	784,424	27%
1982	28,436	19,542	27,944	26,831	65,695	4,275	14,836	15,373	202,932	683,066	30%
1983	26,471	21,462	32,650	40,658	86,470	2,355	20,036	26,000	256,102	772,567	33%
1984	22,584	18,277	27,284	20,924	61,304	5,047	13,612	32,539	201,571	742,790	27%
1985	19,690	11,065	17,929	19,668	49,411	3,084	11,397	12,864	145,108	510,761	28%
1986	20,866	12,646	18,951	21,169	46,572	3,995	7,919	9,942	142,060	586,619	24%
1987	13,780	14,542	18,063	36,094	49,861	2,359	15,005	23,816	173,520	612,465	28%
1988	7,914	7,948	11,781	20,503	37,831	3,220	6,503	8,325	104,025	324,709	32%
1989	7,889	5,232	11,600	15,824	34,360	3,288	6,729	13,725	98,647	335,216	29%
1990	11,832	5,131	12,366	15,313	33,302	3,074	4,126	6,790	91,934	326,984	28%
1991	10,873	7,228	7,991	17,273	23,120	1,877	8,763	4,799	81,924	293,744	28%
1992	25,956	11,181	9,798	26,377	35,818	1,324	5,060	11,022	126,536	370,964	34%
1993	10,358	8,517	11,734	22,329	36,917	74	7,204	6,662	103,795	395,720	26%
1994	28,357	11,250	14,052	17,672	44,211	345	5,615	8,995	130,497	517,113	25%
1995	32,237	17,431	21,326	25,601	60,725	1,371	9,131	16,054	183,876	711,692	26%
1996	27,778	12,252	18,327	19,496	73,942	1,751	6,305	8,078	167,929	782,765	21%
1997	37,941	19,318	28,987	32,368	79,374	4,580	12,164	30,370	245,102	913,185	27%
1998	34,099	24,080	19,827	23,531	89,785	1,566	9,623	8,939	211,450	980,163	22%
1999	24,553	16,013	20,141	24,967	58,584	1,583	17,830	27,964	191,635	914,596	21%
2000	23,036	19,277	26,328	26,731	51,954	2,321	13,656	11,069	174,372	1,112,643	16%
2001	31,124	16,265	27,245	30,063	76,848	258	13,809	26,191	221,803	1,303,622	17%
AVERAGES:											
1963-71	26,303	18,555	14,590	37,552	69,220	6,835	8,328	9,953	191,337	707,074	27%
1972-81	27,165	24,106	25,186	38,854	75,606	5,296	12,242	32,866	241,321	932,608	26%
1982-91	17,034	12,307	18,656	23,426	48,793	3,257	10,893	15,417	149,782	518,892	29%
1992-01	27,544	15,558	19,777	24,914	60,816	1,517	10,040	15,534	175,700	800,246	22%
1963-01	24,465	17,608	19,679	31,023	63,465	4,160	10,428	18,660	189,489	740,542	26%

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¹Excludes a small % of the harvest for which area of harvest was unknown. Also excludes the small proportion of the kill (about 2% of total State kill) occurring in the High Plains &

07/14/03

ESTIMATED REGULAR SEASON NORTHERN PINTAIL HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	1,843	2,518	5,068	682	2,833	449	8,383	778	2,814	24,176	16,088	69,954	49,544	382,239	517,824
1962	657	6,103	10,915		2,479	614	2,513	76	1,056	21,861	17,454	51,271	46,274	402,774	517,772
1963	494	14,388	18,716	159	8,037	1,648	6,060	1,415	1,008	49,109	25,577	108,999	101,034	574,884	810,493
1964	2,134	14,808	8,709	510	5,946	1,230	6,798	1,016	4,923	83,935	23,864	173,555	130,009	462,307	789,733
1965	509	10,596	3,290	62	2,641	915	4,399	1,312	2,467	55,329	19,415	113,785	81,520	539,626	754,344
1966	69	28,487	10,840	490	5,677	1,649	5,889	1,738	3,431	120,001	27,608	220,592	178,271	769,355	1,195,825
1967	498	21,855	11,104	420	7,747	5,304	14,109	1,431	8,420	103,843	28,048	214,852	174,731	1,036,171	1,453,803
1968	513	13,188	3,378	420	4,641	1,056	6,600	1,250	1,286	60,344	26,388	100,668	92,676	584,869	804,600
1969	1,084	31,393	11,914	388	7,865	1,844	11,199	1,105	3,012	105,854	42,357	195,026	175,658	1,120,724	1,533,764
1970	542	30,827	8,337	1,080	7,963	3,172	15,913	2,010	5,808	217,030	46,378	272,928	292,682	1,294,885	1,906,873
1971	0	26,754	11,205	1,552	8,261	7,637	30,969	1,035	4,512	62,749	25,070	135,728	154,674	975,446	1,290,915
1972	565	24,997	8,814	1,430	5,783	4,099	21,241	2,533	6,105	89,001	24,504	136,716	164,568	967,291	1,293,080
1973	286	17,571	11,375	905	8,426	5,860	27,659	1,366	9,107	71,750	27,716	139,361	154,305	739,640	1,061,023
1974	774	36,813	3,236	593	1,844	5,986	9,525	4,449	4,242	95,056	34,681	122,981	162,518	937,302	1,257,483
1975	829	39,565	6,989	1,254	7,402	3,029	7,199	3,718	6,187	197,353	41,096	206,503	273,525	1,060,283	1,581,407
1976	1,553	29,047	4,002	1,131	5,359	3,899	8,903	7,852	4,385	128,672	42,374	157,052	194,803	950,291	1,344,522
1977	756	9,273	5,986	1,137	9,116	3,763	16,469	5,375	6,097	121,934	50,639	213,590	179,906	567,651	1,011,786
1978	2,340	36,899	29,178	2,729	6,089	1,914	6,526	3,752	3,189	146,826	35,738	210,531	239,442	870,535	1,356,245
1979	2,316	20,951	11,902	1,364	8,578	4,274	9,179	4,108	4,795	161,339	48,464	213,604	228,806	845,633	1,336,508
1980	403	11,990	9,275	1,492	3,135	4,421	3,185	4,344	4,003	150,807	38,871	215,764	193,055	657,215	1,104,905
1981	549	15,725	4,993	1,752	7,296	2,836	3,889	1,087	5,063	107,837	27,892	207,867	151,027	421,983	808,674
1982	599	11,407	6,258	1,299	7,970	5,474	6,592	3,791	3,876	111,402	38,633	126,570	158,668	479,341	803,213
1983	746	16,131	12,034	1,200	7,102	4,541	5,308	3,446	5,699	82,711	18,637	187,292	138,918	478,306	823,230
1984	402	17,027	13,516	1,346	5,745	5,622	8,433	2,790	5,162	105,620	34,660	153,370	165,663	328,960	682,654
1985	278	6,070	4,395	747	4,081	1,696	4,289	1,676	4,322	56,362	21,685	124,922	83,916	306,057	536,580
1986	553	7,008	5,755	638	2,907	2,178	4,922	1,048	2,547	44,518	19,034	90,352	72,074	288,022	469,412
1987	220	11,744	4,664	1,240	5,343	1,323	5,676	1,323	4,825	86,067	15,788	88,307	122,425	322,018	548,538
1988	209	2,487	2,474	608	275	1,736	2,123	638	1,496	24,346	7,447	39,227	36,392	126,820	209,884
1989	332	4,132	3,984	221	1,613	674	2,343	384	962	28,950	14,588	65,057	43,595	150,597	273,840
1990	484	1,991	2,182	362	1,696	1,003	1,575	422	1,144	32,348	10,493	49,489	43,207	143,448	246,638
1991	269	1,565	2,581	162	890	648	1,112	331	361	20,768	14,201	40,321	28,687	132,933	216,144
1992	631	4,595	2,543	76	869	681	1,532	365	1,016	19,788	12,471	56,522	32,096	126,938	228,027
1993	203	7,153	3,173	172	1,085	336	1,735	567	1,147	26,707	12,924	52,637	42,278	145,872	253,712
1994	182	9,785	6,706	460	1,846	1,898	1,491	962	2,763	35,172	18,342	81,150	61,265	155,472	316,229
1995	481	15,736	8,492	910	5,603	4,078	1,909	1,433	2,123	54,078	33,164	135,956	94,843	267,283	531,247
1996	527	20,980	7,821	1,259	3,076	3,162	2,404	320	2,546	54,542	19,271	123,819	96,637	294,391	534,118
1997	677	29,994	11,594	198	5,854	3,599	8,525	3,209	4,469	121,098	24,010	144,760	189,217	348,635	706,621
1998	994	16,814	10,860	1,755	7,171	3,111	8,156	4,897	3,944	67,297	33,595	176,992	124,997	250,269	585,853
1999	831	21,605	10,485	1,286	4,233	1,143	5,961	3,224	6,237	83,397	29,529	167,667	138,402	202,290	537,887
2000	619	25,913	9,205	244	9,053	2,665	9,427	3,112	6,671	69,688	22,385	161,478	136,597	176,107	496,566
2001	964	32,777	11,589	539	7,836	1,684	10,712	1,904	5,073	78,841	19,951	130,895	151,919	142,591	445,357
AVERAGES:															
1961-71	758	18,265	9,407	576	5,826	2,320	10,257	1,197	3,522	82,203	27,113	150,669	134,279	740,298	1,052,359
1972-81	1,037	24,283	9,575	1,379	6,303	4,008	11,378	3,858	5,317	127,058	37,198	182,397	194,196	801,782	1,215,563
1982-91	409	7,956	5,784	782	3,762	2,490	4,237	1,585	3,039	59,309	19,517	96,491	89,355	275,650	481,013
1992-01	611	18,535	8,247	690	4,663	2,236	5,185	1,999	3,599	61,061	22,564	123,188	106,825	210,985	463,562
1961-01	705	17,284	8,281	857	5,155	2,752	7,825	2,136	3,861	82,403	26,610	138,490	131,240	512,865	809,203

ESTIMATED REGULAR SEASON GADWALL HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	1,157	2,719	1,648	205	1,410	708	3,443	686	1,908	10,822	3,834	36,561	24,706	40,195	105,298
1962	142	10,161	9,111	81	1,469	419	2,646	550	2,024	12,230	6,914	31,877	38,833	48,154	125,778
1963	403	24,789	32,685	441	4,704	1,900	7,631	4,322	6,287	28,512	17,766	108,529	111,674	96,091	334,061
1964	2,935	21,797	16,178	1,183	6,723	1,505	9,775	2,847	8,081	41,295	10,746	146,330	112,319	85,004	354,399
1965	2,202	22,243	18,617	185	6,178	3,457	10,965	3,200	6,717	43,647	19,800	223,821	117,411	91,993	452,215
1966	2,643	31,122	35,227	2,871	7,476	8,274	12,966	7,038	16,185	92,406	24,021	283,550	216,208	121,386	645,166
1967	1,199	40,528	28,647	1,785	16,123	8,113	26,512	5,241	28,839	49,024	25,638	227,478	206,011	174,820	633,946
1968	689	35,300	13,890	1,087	7,298	2,604	9,247	4,743	5,769	28,571	18,287	88,848	109,198	96,884	313,215
1969	2,765	56,893	51,325	2,338	21,532	8,202	26,976	2,570	27,467	136,494	33,700	191,032	336,562	120,646	681,574
1970	963	51,097	29,213	1,827	16,378	8,981	28,032	5,955	25,430	127,374	23,507	323,698	295,249	113,337	755,791
1971	822	49,233	34,278	3,273	23,145	13,221	40,441	5,388	27,454	113,301	16,934	289,442	310,556	144,164	761,096
1972	2,082	39,441	50,377	2,984	19,263	9,882	40,585	4,798	33,976	130,974	24,188	288,369	334,362	103,994	750,914
1973	1,126	24,205	33,436	2,530	20,754	6,330	19,497	1,618	14,963	66,081	20,799	212,397	190,540	85,869	509,607
1974	3,141	43,421	15,449	1,474	9,879	8,035	34,524	3,265	20,558	108,219	28,694	245,732	247,965	129,489	651,880
1975	3,858	53,857	21,399	1,953	12,758	5,460	28,730	5,605	33,539	107,980	34,141	349,697	275,139	125,786	784,762
1976	6,343	53,076	25,525	2,655	26,918	10,337	31,442	6,735	28,883	129,665	40,677	393,688	321,579	102,748	858,694
1977	1,999	30,339	29,504	2,123	13,191	5,893	27,611	3,082	32,955	93,126	33,535	376,790	239,823	87,569	737,717
1978	2,752	66,118	61,903	2,654	17,180	8,252	21,560	2,631	29,921	96,125	40,338	493,151	309,096	134,222	976,807
1979	2,652	51,494	40,679	2,053	15,368	5,737	15,769	3,086	20,455	88,101	35,587	489,178	245,394	118,858	889,017
1980	537	30,557	18,239	2,093	6,360	9,838	8,830	2,443	11,833	101,042	36,109	378,943	191,772	163,400	770,224
1981	1,459	31,287	11,482	3,628	10,221	6,597	15,956	3,694	15,256	60,785	26,298	352,320	160,365	111,598	650,580
1982	2,520	40,624	19,164	3,428	13,341	9,361	11,814	5,157	14,882	156,579	47,737	430,632	276,870	134,175	889,415
1983	2,203	30,544	22,280	1,837	15,663	6,735	14,021	3,757	15,667	120,786	44,374	477,886	233,493	151,751	907,579
1984	902	19,530	30,504	2,526	13,848	11,930	17,381	4,726	25,718	100,535	22,902	417,770	227,600	113,680	781,952
1985	1,586	14,720	21,970	781	10,018	7,957	7,721	1,958	13,702	75,588	18,417	225,031	156,001	86,974	486,424
1986	2,308	22,216	28,297	2,557	8,458	7,070	7,268	1,964	7,675	62,175	24,917	278,297	149,988	107,430	560,634
1987	1,306	21,978	22,921	1,318	5,057	8,109	7,874	3,390	13,857	72,392	18,616	205,596	158,202	92,289	474,704
1988	162	2,873	6,306	602	2,460	5,948	2,563	1,288	6,428	37,537	9,891	89,103	66,167	49,062	214,222
1989	924	8,524	12,084	982	3,851	5,211	3,532	1,132	7,953	55,064	21,129	172,442	99,257	72,253	365,079
1990	884	9,025	9,994	1,048	3,942	4,700	4,041	732	13,154	60,317	18,681	168,368	107,837	87,477	382,364
1991	425	7,428	19,298	666	3,333	3,470	4,539	3,184	8,651	49,623	21,037	234,870	100,617	71,694	428,216
1992	2,237	6,508	11,138	1,021	2,158	2,431	6,588	2,634	10,199	34,823	21,368	213,885	79,737	60,589	375,580
1993	1,285	16,403	14,643	1,861	2,077	1,922	3,212	1,529	9,265	53,429	21,325	169,958	105,626	110,000	406,909
1994	1,014	27,858	15,803	1,104	5,625	5,755	5,969	1,622	13,550	100,855	23,939	316,314	179,155	136,121	655,529
1995	1,047	43,030	35,435	2,136	10,290	15,044	9,576	5,876	27,580	116,969	68,014	717,842	266,983	157,245	1,210,084
1996	1,529	45,979	32,432	3,510	9,606	14,615	16,727	5,010	44,333	182,704	45,935	832,875	356,445	193,170	1,428,426
1997	4,105	71,215	44,656	2,996	17,816	17,612	26,740	3,488	61,075	178,712	50,034	854,314	428,415	186,245	1,519,007
1998	2,450	99,320	38,830	4,342	22,687	13,705	31,478	6,109	68,985	229,509	40,039	1,022,343	517,415	207,408	1,787,205
1999	1,709	92,627	37,361	1,613	10,888	10,605	27,961	14,294	55,985	235,888	77,214	1,088,737	488,931	123,486	1,778,365
2000	2,857	136,062	30,640	2,757	27,860	8,683	35,457	5,170	65,473	290,120	74,108	1,257,736	605,079	122,552	2,059,475
2001	1,691	117,135	30,259	2,556	12,528	7,077	27,375	3,585	45,123	290,110	37,810	906,346	537,439	114,735	1,596,331
AVERAGES:															
1961-71	1,447	31,444	24,620	1,389	10,221	5,217	16,239	3,867	14,196	62,152	18,286	177,379	170,793	102,970	469,322
1972-81	2,595	42,380	30,799	2,415	15,189	7,636	24,450	3,696	24,234	98,210	32,037	358,027	251,604	116,353	758,020
1982-91	1,322	17,746	19,282	1,575	7,997	7,049	8,075	2,729	12,769	79,060	24,770	270,000	157,603	96,679	549,059
1992-01	1,992	65,614	29,120	2,390	12,154	9,745	19,108	4,932	40,157	171,312	45,979	738,035	356,523	141,155	1,281,691
1961-01	1,830	39,104	25,923	1,928	11,362	7,358	16,951	3,807	22,628	101,695	29,976	380,775	232,586	114,013	757,323

ESTIMATED REGULAR SEASON AMERICAN WIGEON HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	3,069	6,189	3,402	654	3,352	1,135	7,783	1,203	4,157	20,119	32,087	89,745	51,063	337,765	510,659
1962	467	4,371	2,794	81	1,651	562	3,393	247	1,221	12,331	27,941	52,512	27,118	269,210	376,780
1963	681	10,235	15,315	696	4,965	3,510	7,364	2,955	2,543	26,881	41,891	114,302	75,145	343,870	575,207
1964	2,589	12,755	9,870	615	9,214	2,504	9,540	2,242	7,265	48,638	43,554	209,555	105,232	300,812	659,154
1965	1,017	15,234	14,628	708	4,381	2,295	5,449	984	5,824	32,969	54,532	212,579	83,489	356,873	707,473
1966	1,385	15,183	19,633	1,761	7,021	6,609	9,903	2,883	8,029	86,810	70,905	308,135	159,217	460,258	998,516
1967	784	18,651	15,465	3,491	15,459	8,393	22,035	2,027	17,058	28,552	58,143	263,773	131,915	536,289	990,119
1968	737	15,051	8,628	1,446	8,140	2,116	7,612	3,566	3,485	32,286	49,282	127,028	83,067	425,808	685,184
1969	1,164	18,098	15,424	1,132	15,355	5,846	12,440	1,434	10,699	92,905	77,800	215,481	174,497	483,674	951,402
1970	1,216	28,344	17,490	2,103	16,738	8,074	28,826	3,657	12,442	101,228	71,679	252,480	220,118	501,011	1,045,288
1971	959	23,396	17,592	2,922	18,147	15,551	27,261	3,618	10,952	61,407	47,962	193,266	181,805	475,439	898,471
1972	499	18,146	15,738	1,661	14,306	11,927	20,860	3,198	9,442	79,133	65,068	222,638	174,910	445,525	908,142
1973	902	19,074	10,960	1,742	17,752	11,315	23,567	1,637	11,462	51,441	39,311	192,378	149,852	336,205	717,745
1974	2,135	8,675	12,374	1,540	6,554	7,011	13,066	3,394	12,468	74,669	65,706	184,674	141,886	348,756	741,022
1975	3,644	21,994	15,551	3,803	14,458	6,688	15,150	6,197	14,616	75,324	84,062	236,223	177,425	436,409	934,120
1976	3,116	17,431	8,307	3,440	11,436	12,259	19,504	5,110	16,438	83,699	93,965	208,582	180,740	545,068	1,028,355
1977	2,723	13,722	11,005	2,774	18,290	10,971	24,090	3,261	21,922	95,254	74,250	260,414	204,012	385,252	923,930
1978	2,523	17,208	22,282	4,386	16,203	10,438	12,816	4,090	16,517	103,732	78,170	337,425	210,195	427,785	1,053,574
1979	977	15,456	16,467	3,644	14,159	7,730	14,219	3,388	11,583	81,135	91,014	341,892	168,758	378,267	979,934
1980	1,365	18,680	7,208	2,946	7,260	8,546	10,155	1,880	9,853	117,693	79,809	262,240	185,586	363,409	891,043
1981	1,002	13,952	6,564	2,519	10,577	9,595	10,048	1,814	9,605	55,388	45,373	255,349	121,064	268,286	690,072
1982	1,457	7,657	5,614	3,224	13,313	8,268	6,647	2,110	9,038	126,983	46,242	195,906	184,311	289,919	716,378
1983	3,421	10,281	11,719	3,035	13,709	5,167	11,506	2,788	5,161	77,277	45,775	239,421	144,064	267,446	696,782
1984	1,060	8,507	10,335	4,752	13,779	8,609	9,675	4,583	14,893	76,174	52,799	192,462	152,367	234,974	632,601
1985	572	8,421	8,921	2,063	7,702	6,249	4,781	2,325	7,873	55,703	23,642	116,889	104,610	237,691	482,832
1986	1,056	7,172	13,097	3,551	10,053	5,614	7,517	1,192	4,240	43,713	48,288	144,955	97,205	256,006	546,454
1987	1,574	7,844	8,139	1,827	5,405	4,986	3,628	1,915	6,266	57,486	47,241	115,703	99,070	236,646	498,662
1988	430	2,358	3,378	971	1,941	2,076	3,024	1,026	3,663	29,173	15,908	51,546	48,040	156,283	271,352
1989	969	4,016	6,507	1,000	3,892	3,603	3,629	1,057	3,649	40,308	38,329	87,201	68,630	167,195	361,356
1990	566	3,371	4,077	1,155	6,135	3,647	4,214	842	4,966	54,887	32,687	90,387	83,860	177,877	384,812
1991	666	4,455	3,788	921	2,484	3,224	2,687	1,081	4,922	41,094	31,350	93,242	65,322	181,509	371,424
1992	1,049	3,084	5,128	428	2,236	1,954	3,335	1,453	6,018	31,241	41,628	112,819	55,926	157,486	367,858
1993	947	3,321	4,039	1,351	2,117	1,885	1,901	1,025	3,937	29,091	43,709	79,232	49,614	183,678	356,233
1994	324	8,267	8,195	1,169	5,880	5,246	3,372	1,413	6,257	54,608	45,486	105,193	94,731	223,366	468,777
1995	2,409	9,544	12,949	3,615	7,482	10,908	4,754	3,753	9,354	80,019	73,598	233,762	144,787	322,880	775,026
1996	7,798	12,367	9,031	2,581	6,775	11,176	3,938	3,282	8,885	91,438	61,739	196,600	157,271	359,033	774,186
1997	3,018	21,102	13,007	4,157	12,992	9,372	13,695	7,320	17,718	87,349	70,458	209,126	189,730	365,760	835,074
1998	4,063	17,355	11,909	3,485	12,289	11,304	14,900	3,132	13,357	104,190	53,131	211,011	195,984	343,576	803,701
1999	3,519	22,264	12,523	1,913	4,872	7,066	8,108	4,390	11,621	102,957	62,685	166,401	179,233	320,147	728,468
2000	1,052	32,696	11,231	2,513	14,821	6,158	17,788	6,104	11,687	96,563	43,505	210,059	200,613	252,035	706,212
2001	2,541	33,375	12,234	4,397	5,723	7,794	8,599	4,343	9,874	104,984	43,253	175,118	193,864	291,096	703,331
AVERAGES:															
1961-71	1,279	15,228	12,749	1,419	9,493	5,145	12,873	2,256	7,607	49,466	52,343	185,351	117,515	408,274	763,478
1972-81	1,889	16,434	12,646	2,846	13,100	9,648	16,348	3,397	13,391	81,747	71,673	250,182	171,443	393,496	886,794
1982-91	1,177	6,408	7,558	2,250	7,841	5,144	5,731	1,892	6,467	60,280	38,226	132,771	104,748	220,555	496,265
1992-01	2,672	16,338	10,025	2,561	7,519	7,286	8,039	3,622	9,871	78,244	53,919	169,932	146,175	281,906	651,887
1961-01	1,743	13,642	10,793	2,248	9,488	6,765	10,799	2,779	9,292	66,996	53,999	184,578	134,545	328,063	701,164

ESTIMATED REGULAR SEASON AMERICAN BLACK DUCK HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961		0	0		0		141		0	831	204,828	62,883	972	0	268,682
1962		145	0		0		0		110	183	214,469	47,948	438	0	262,856
1963		352	57		72		0		40	567	215,806	70,421	1,088	0	287,315
1964		94	118		0		0		0	728	234,393	96,902	940	0	332,235
1965		328	123		0		0		0	0	217,150	97,628	451	0	315,230
1966		745	0		115		0		211	623	259,659	114,624	1,694	0	375,977
1967		216	0		0		368		69	2,182	252,457	113,066	2,835	0	368,360
1968		286	0		68		110		59	454	301,532	68,312	977	0	370,822
1969		261	246		0		114		0	804	307,353	88,115	1,425	0	396,892
1970		239	0		0		0		0	0	297,373	119,674	239	0	417,286
1971		0	0		0		230		0	0	293,108	96,009	230	0	389,347
1972		529	219		138		0		152	374	236,316	117,912	1,412	0	355,640
1973		200	201		207		154		0	0	262,677	110,856	762	0	374,296
1974		292	139		0		0		243	325	294,576	93,256	999	0	388,832
1975		1,197	0		0		0		0	0	274,872	80,984	1,197	0	357,053
1976		681	0		0		156		0	0	327,434	97,961	837	0	426,232
1977		249	0		0		0		0	0	194,979	78,867	249	0	274,094
1978		0	0		0		0		0	0	262,302	74,782	0	0	337,084
1979		0	0		0		0		0	0	230,964	68,322	0	0	299,286
1980		190	0		0		0		0	561	309,052	87,010	751	0	396,813
1981		257	0		0		0		0	248	230,743	58,864	505	0	290,112
1982		0	0		0		0		0	0	186,716	48,471	0	0	235,188
1983		92	0		0		0		0	225	139,100	58,908	317	0	198,694
1984		0	0		0		0		0	0	147,859	53,993	0	0	201,851
1985		86	0		94		0		0	0	148,151	41,532	180	0	189,862
1986		82	0		0		0		0	360	140,493	37,334	442	0	178,269
1987		112	0		0		0		0	0	135,470	36,776	112	0	172,358
1988		0	0		0		0		0	512	124,683	29,049	512	0	154,245
1989		0	0		55		0		0	271	148,700	44,841	326	0	193,867
1990		0	0		0		0		0	422	110,600	32,278	422	117	143,745
1991		0	0		0		0		0	220	126,190	41,066	220	0	167,476
1992		0	0		0		0		0	106	97,986	38,023	106	0	136,115
1993		0	0		0		0		0	66	105,291	41,099	66	0	146,456
1994		0	112		0		0		0	154	101,632	28,725	266	0	130,622
1995		0	0		0		0		0	0	126,303	42,255	0	0	168,557
1996		0	0		0		0		0	0	83,671	34,724	0	0	118,485
1997		0	0		0		0		0	79	109,858	41,215	79	0	151,153
1998		0	150		87		0		0	0	118,555	55,773	237	0	174,564
1999		0	0		0		0		0	0	111,786	43,804	0	0	155,590
2000		0	0		0		0		0	0	127,471	52,112	0	0	179,583
2001		0	0		0		0		0	0	106,408	25,811	0	0	132,219
AVERAGES:															
1961-71		242	49		23		88		44	579	254,375	88,689	1,026	0	344,091
1972-81		360	56		35		31		40	151	262,392	86,881	671	0	349,944
1982-91		37	0		15		0		0	201	140,796	42,425	253	12	183,556
1992-01		0	26		9		0		0	41	108,896	40,354	75	0	149,334
1961-01		162	33		20		31		22	251	193,146	65,175	519	3	258,862

ESTIMATED REGULAR SEASON MEXICAN DUCK X MALLARD HYBRID HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961						0		22		0	0	0	22	0	22
1962						0		38		0	0	0	38	0	38
1963						0		34		0	0	0	34	0	34
1964						0		0		0	0	0	0	0	0
1965						0		0		0	0	0	0	0	0
1966						0		29		0	0	0	29	0	29
1967						0		29		0	0	0	29	0	29
1968						0		0		0	0	0	0	79	79
1969						0		102		0	0	0	102	0	102
1970						0		110		0	0	0	110	282	391
1971						0		21		0	0	0	21	0	21
1972						0		20		0	0	0	20	291	311
1973						45		58		1,268	0	0	1,371	158	1,529
1974						0		55		309	0	0	364	975	1,339
1975						0		0		0	0	0	0	74	74
1976						0		169		508	0	0	677	621	1,298
1977						0		208		0	0	0	208	98	307
1978						0		0		354	0	0	354	0	354
1979						0		0		742	0	0	742	466	1,208
1980						0		409		216	0	0	625	566	1,191
1981						0		76		2,748	0	0	2,824	1,786	4,609
1982						0		259		300	0	0	559	2,463	3,021
1983						0		373		316	0	0	689	1,202	1,892
1984						0		750		5,362	0	0	6,112	701	6,813
1985						120		159		126	0	0	405	929	1,334
1986						0		176		0	0	0	176	1,353	1,529
1987						0		0		129	0	0	129	2,166	2,295
1988						0		0		104	0	0	104	597	700
1989						0		123		109	0	0	232	1,240	1,472
1990						0		435		350	0	0	785	472	1,257
1991						0		374		491	0	0	865	136	1,002
1992						0		597		1,446	0	0	2,043	274	2,317
1993						0		1,096		742	0	0	1,838	54	1,892
1994						0		357		466	0	0	823	250	1,074
1995						0		203		9,670	0	0	9,873	90	9,962
1996						0		44		2,628	0	0	2,672	311	2,983
1997						0		2,046		5,223	0	0	7,269	317	7,587
1998						100		802		524	0	0	1,426	139	1,565
1999						0		397		1,255	0	0	1,652	325	1,978
2000						0		893		2,420	0	0	3,313	1,811	5,124
2001						0		824		5,716	0	0	6,540	798	7,338
AVERAGES:															
1961-71						0		35		0	0	0	35	33	68
1972-81						5		100		615	0	0	719	504	1,222
1982-91						12		265		729	0	0	1,006	1,126	2,132
1992-01						10		726		3,009	0	0	3,745	437	4,182
1961-01						6		275		1,062	0	0	1,343	513	1,856

ESTIMATED REGULAR SEASON MOTTLED DUCK HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961			0				0		0	15,891	19,233	14,596	15,891	0	49,720
1962			0				0		0	9,906	12,820	8,761	9,906	0	31,487
1963			0				0		0	18,778	12,640	20,343	18,778	0	51,760
1964			0				0		0	28,231	14,127	39,116	28,231	0	81,474
1965			0				0		0	25,919	10,780	28,845	25,919	0	65,544
1966			0				0		0	70,835	13,551	49,056	70,835	0	133,442
1967			0				0		0	39,573	13,275	30,274	39,573	0	83,121
1968			0				0		0	47,402	21,019	32,494	47,402	0	100,915
1969			0				0		0	88,405	12,719	38,451	88,405	0	139,574
1970			0				0		0	117,734	48,050	82,296	117,734	0	248,081
1971			0				0		0	46,696	15,632	52,874	46,696	0	115,201
1972			0				0		0	90,719	23,913	40,324	90,719	0	154,956
1973			0				0		0	36,714	15,553	34,586	36,714	0	86,852
1974			0				0		0	70,095	13,290	43,055	70,095	0	126,440
1975			0				0		0	101,092	13,839	42,951	101,092	0	157,883
1976			0				0		0	51,423	16,453	56,192	51,423	0	124,068
1977			0				0		0	49,765	11,668	46,281	49,765	0	107,715
1978			0				0		0	49,771	18,320	52,218	49,771	0	120,309
1979			0				0		0	49,597	11,724	62,699	49,597	0	124,020
1980			0				0		0	42,285	16,881	42,795	42,285	0	101,960
1981			0				0		0	39,131	20,400	47,934	39,131	0	104,435
1982			0				0		0	73,329	15,700	57,267	73,329	0	145,738
1983			0				126		0	36,273	12,184	33,637	36,399	0	82,221
1984			0				0		0	36,029	21,800	54,288	36,029	0	106,217
1985			0				0		0	15,738	13,100	28,884	15,738	0	55,609
1986			0				0		0	14,632	17,843	47,345	14,632	0	79,820
1987			0				0		0	16,862	11,431	34,402	16,862	0	62,694
1988			0				0		0	10,125	13,401	17,398	10,125	0	40,924
1989			0				0		0	11,544	10,207	22,061	11,544	0	43,812
1990			31				0		37	15,534	8,104	34,050	15,602	0	57,755
1991			0				0		0	14,808	16,302	31,609	14,808	0	62,719
1992			0				0		0	12,885	11,045	28,471	12,885	0	52,401
1993			0				0		0	19,469	12,824	42,698	19,469	0	74,991
1994			0				0		0	17,094	4,433	42,438	17,094	0	63,965
1995			0				0		0	21,371	11,454	72,976	21,371	0	105,802
1996			0				0		0	17,886	14,142	45,607	17,886	0	77,635
1997			0				0		0	17,151	12,813	72,618	17,151	0	102,583
1998			0				0		0	18,090	17,877	40,142	18,090	0	76,109
1999			0				0		0	10,744	8,294	36,926	10,744	0	55,965
2000			0				0		0	11,917	9,370	40,063	11,917	0	61,351
2001			0				0		0	16,310	12,282	52,807	16,310	0	81,399
AVERAGES:															
1961-71										46,306	17,622	36,101	46,306	0	100,029
1972-81										58,059	16,204	46,904	58,059	0	120,864
1982-91										24,487	14,007	36,094	24,507	0	73,751
1992-01										16,292	11,453	47,475	16,292	0	75,220
1961-01										36,531	14,890	41,508	36,535	0	92,650

ESTIMATED BLUE-WINGED TEAL HARVEST DURING SPECIAL SEPTEMBER SEASONS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY ¹	MISS FLYWAY ¹	CEN FLYWAY	PAC FLYWAY	U.S.
1961															
1962															
1963															
1964															
1965	0	7,142	40,951	838	17,801	3,237	19,552	445	3,344	10,843		281,216	104,153		385,369
1966	223	31,252	48,861	832	16,304	2,984	12,295	381	3,087	12,625		152,552	128,844		281,396
1967	799	38,052	39,171	1,282	23,273	3,166	17,431	513	4,370	19,901		205,515	147,958		353,475
1968															
1969	872	38,132		411	30,937	680	26,712	676	4,271	51,928		193,139	154,619		347,758
1970	2,775				26,320	2,001	33,393	657	8,791	33,519	4,812	243,414	107,456		355,681
1971						7,493	30,776	1,694	6,822	22,640	3,313	156,154	69,425		228,891
1972						1,738	26,332	903	10,239	38,893	5,010	159,526	78,105		242,640
1973						4,264	28,149	424	7,647	29,359		151,873	69,843		221,715
1974						5,898	23,252	2,884	5,551	52,015		125,578	89,600		215,177
1975						4,729	23,903	4,940	10,196	59,815		190,229	103,583		293,812
1976						9,696	12,352	1,772	6,307	54,785		167,735	84,912		252,647
1977						3,330	24,200	808	5,618	44,026		127,999	77,982		205,981
1978						8,008	21,700	1,446	5,099	58,589		205,334	94,842		300,175
1979						6,628	15,483	1,954	3,796	65,612		165,144	93,473		258,616
1980						4,943	9,693	918	3,499	46,506		163,080	65,559		228,639
1981						2,375	11,110	581	2,426	43,543	5,687	138,833	60,035		194,031
1982						6,286	16,284	1,471	5,078	55,804	6,461	252,853	84,923		321,603
1983						4,144	13,825	2,187	5,527	49,920	11,633	284,648	75,603		342,030
1984						7,203	11,331	1,013	6,225	59,437	14,144	246,305	85,209		345,657
1985						5,866	16,731	1,299	5,934	52,373	12,860	211,714	82,203		306,776
1986						3,849	16,029	875	6,707	51,813	7,671	189,804	79,273		276,748
1987						4,232	9,748	1,719	3,458	61,640	7,829	194,189	80,797		282,814
1988															
1989															
1990															
1991															
1992						1,572	12,902	290	2,966	40,765	2,953	138,924	58,495		200,371
1993						2,079	5,604	83	1,882	33,120	3,429	101,903	42,768		148,100
1994						3,342	7,083	199	1,836	55,463	4,167	202,869	67,923		274,958
1995						4,009	10,227	94	3,591	54,648	7,808	324,756	72,569		405,133
1996						6,416	17,115	181	2,477	77,580	14,684	324,102	103,769		442,555
1997						4,050	14,858	599	3,957	65,804	19,744	321,872	89,268		430,884
1998						5,430	19,727	508	4,604	102,666	26,048	255,581	132,935		414,564
1999						5,643	12,946	588	5,724	95,812	28,377	414,083	120,713		563,172
2000					3,860	3,631	17,626	664	3,854	86,360	30,582	484,143	115,995		630,721
2001					6,394	2,462	22,293	302	3,609	107,198	22,147	440,377	142,258		604,783
AVERAGES:															
1961-71	934	28,645	42,994	841	22,927	3,260	23,360	728	5,114	25,243		205,332	118,743		325,428
1972-81						5,161	19,617	1,663	6,038	49,314	5,349	159,533	81,793		241,343
1982-91						5,263	13,991	1,427	5,488	55,165	10,100	229,919	81,335		312,605
1992-01						3,863	14,038	351	3,450	71,942	15,994	300,861	94,669		411,524
1961-01	934	28,645	42,994	841	17,841	4,418	17,521	1,033	4,953	52,969	11,968	225,483	92,659		323,652

¹ Includes special seasons in FL, KY, and TN initiated in 1981

ESTIMATED REGULAR SEASON BLUE-WINGED TEAL HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	1,153	1,022	719	1,644	367	48	502	924	268	2,919	11,964	35,160	9,566	39,239	95,930
1962	61	4,022	1,644	81	640	0	163	0	55	1,929	10,676	55,396	8,595	62,324	136,991
1963	263	8,740	16,319	0	9,102	0	3,758	0	120	3,229	18,110	203,569	41,531	82,355	345,566
1964	1,484	4,325	4,903	215	7,572	13	5,477	68	722	6,817	18,279	171,929	31,596	65,243	287,046
1965	1,490	8,195	6,368	400	1,647	1,454	2,010	2,122	944	8,064	19,182	138,470	32,694	84,108	274,455
1966	209	9,275	10,448	593	1,153	95	903	331	801	13,042	32,977	220,806	36,850	45,258	335,894
1967	502	12,039	11,882	407	9,478	102	6,409	104	6,603	10,837	28,857	217,651	58,363	105,136	410,007
1968	204	9,291	4,853	0	7,383	137	402	0	59	5,105	23,026	89,480	27,434	57,719	197,659
1969	606	19,318	11,727	47	4,353	363	3,568	250	1,908	8,571	51,928	267,760	50,711	59,762	430,160
1970	361	19,564	15,029	1,001	8,766	524	6,397	369	4,003	22,599	86,327	370,141	78,613	65,907	600,988
1971	171	38,065	40,841	1,340	7,217	6,018	10,534	299	5,454	24,461	42,732	435,708	134,400	72,824	685,664
1972	738	25,312	18,960	1,012	10,976	6,813	4,363	350	3,943	58,116	79,258	282,426	130,583	96,052	588,318
1973	915	20,907	20,696	1,221	32,247	7,279	22,860	641	845	49,790	80,089	350,965	157,401	122,006	710,461
1974	2,207	29,520	18,378	987	8,432	5,673	3,879	116	3,688	36,039	56,037	287,828	108,919	95,154	547,941
1975	1,415	32,533	17,887	2,558	29,523	3,916	8,591	296	3,477	51,302	63,045	520,410	151,498	87,133	822,087
1976	1,450	30,262	9,123	1,725	7,364	9,098	5,613	368	1,290	26,236	90,093	307,742	92,529	87,379	577,744
1977	264	9,984	4,082	552	3,619	5,706	3,905	392	3,907	24,855	47,975	344,448	57,266	80,239	529,928
1978	692	24,754	29,448	1,104	9,298	5,739	363	598	1,909	40,351	88,976	378,993	114,256	85,068	667,293
1979	895	45,490	10,127	2,640	13,520	7,051	9,444	363	1,745	25,558	101,499	432,632	116,833	65,158	716,123
1980	67	7,717	6,201	865	890	4,732	470	295	1,258	20,564	55,344	248,192	43,059	49,879	396,473
1981	419	14,768	8,412	3,634	7,987	6,360	2,335	410	784	45,276	42,113	232,220	90,385	49,715	414,433
1982	1,151	16,612	10,090	2,100	15,103	8,609	4,264	877	1,565	21,699	57,407	359,391	82,070	87,814	586,683
1983	1,515	17,147	14,073	1,929	20,637	10,142	2,840	419	2,317	26,182	102,566	522,662	97,201	92,011	832,661
1984	858	13,383	23,667	3,536	6,370	13,931	3,471	765	3,889	53,272	74,481	530,785	123,142	73,518	801,927
1985	178	3,889	5,304	726	4,844	4,611	2,909	131	2,183	17,923	54,610	237,613	42,698	38,893	373,815
1986	1,069	8,272	14,887	1,331	6,660	5,568	2,302	229	732	53,993	51,372	286,407	95,043	32,159	464,982
1987	84	5,234	4,017	370	1,753	1,671	498	161	562	23,769	35,411	153,169	38,121	34,753	261,454
1988	188	1,512	2,536	110	1,055	1,233	788	41	29	4,955	19,738	72,840	12,447	20,476	125,502
1989	735	1,910	3,738	876	3,181	4,616	796	127	46	7,000	19,970	84,236	23,026	43,075	170,307
1990	428	1,427	2,420	278	4,040	1,707	1,019	50	60	3,896	19,239	108,560	15,325	28,788	171,912
1991	157	1,569	2,630	195	716	2,358	1,471	519	159	6,039	29,008	93,546	15,814	20,776	159,144
1992	904	1,671	2,587	88	3,641	2,643	1,086	130	234	7,169	22,060	73,528	20,153	23,601	139,340
1993	150	4,467	10,241	185	4,333	1,302	632	113	126	5,898	29,698	87,809	27,446	34,665	179,618
1994	295	9,600	7,442	932	2,906	1,881	1,234	0	142	11,329	32,346	184,663	35,761	21,226	273,997
1995	616	22,734	15,218	725	7,993	3,182	1,642	0	427	12,909	84,712	357,426	65,446	49,610	557,196
1996	707	23,430	19,975	836	15,593	8,024	3,498	0	773	18,588	73,560	423,277	91,424	49,541	637,800
1997	2,022	28,691	17,261	2,130	14,992	10,820	6,727	697	640	62,385	64,484	393,502	146,365	56,418	660,635
1998	2,519	23,971	23,908	1,995	13,349	6,731	10,926	1,085	2,485	99,572	76,758	367,545	186,541	77,801	708,644
1999	1,498	20,667	16,160	2,035	8,914	8,293	7,197	2,054	1,042	33,932	72,139	321,189	101,792	76,864	571,983
2000	914	30,668	16,444	2,529	11,257	7,343	2,671	1,779	2,266	63,620	54,900	271,294	139,491	40,623	506,309
2001	1,284	44,154	23,443	368	13,023	2,472	1,374	956	455	61,715	51,656	420,604	149,244	38,348	659,851
AVERAGES:															
1961-71	591	12,169	11,339	521	5,243	796	3,648	406	1,903	9,779	31,278	200,552	46,396	67,261	345,487
1972-81	906	24,125	14,331	1,630	12,386	6,237	6,182	383	2,285	37,809	70,443	338,586	106,273	81,778	597,080
1982-91	636	7,096	8,336	1,145	6,436	5,445	2,036	332	1,154	21,873	46,380	244,921	54,489	47,226	394,839
1992-01	1,091	21,005	15,268	1,182	9,600	5,269	3,699	681	859	37,712	56,231	290,084	96,366	46,870	489,537
1961-01	801	16,003	12,295	1,105	8,339	4,348	3,885	449	1,559	26,378	50,600	266,877	75,162	60,942	454,022

ESTIMATED ALL-SEASON BLUE-WINGED TEAL HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	1,153	1,022	719	1,644	367	48	502	924	268	2,919	11,964	35,160	9,566	39,239	95,930
1962	61	4,022	1,644	81	640	0	163	0	55	1,929	10,676	55,396	8,595	62,324	136,991
1963	263	8,740	16,319	0	9,102	0	3,758	0	120	3,229	18,110	203,569	41,531	82,355	345,566
1964	1,484	4,325	4,903	215	7,572	13	5,477	68	722	6,817	18,279	171,929	31,596	65,243	287,046
1965	1,490	15,337	47,319	1,238	19,448	4,691	21,562	2,567	4,288	18,907	19,182	419,686	136,847	84,108	659,824
1966	432	40,527	59,309	1,425	17,457	3,079	13,198	712	3,888	25,667	32,977	373,358	165,694	45,258	617,290
1967	1,301	50,091	51,053	1,689	32,751	3,268	23,840	617	10,973	30,738	28,857	423,166	206,321	105,136	763,482
1968	204	9,291	4,853	0	7,383	137	402	0	59	5,105	23,026	89,480	27,434	57,719	197,659
1969	1,478	57,450	11,727	458	35,290	1,043	30,280	926	6,179	60,499	51,928	460,899	205,330	59,762	777,918
1970	3,136	19,564	15,029	1,001	35,086	2,525	39,790	1,026	12,794	56,118	91,139	613,555	186,069	65,907	956,669
1971	171	38,065	40,841	1,340	7,217	13,511	41,310	1,993	12,276	47,101	46,045	591,862	203,825	72,824	914,555
1972	738	25,312	18,960	1,012	10,976	8,551	30,695	1,253	14,182	97,009	84,268	441,952	208,688	96,052	830,958
1973	915	20,907	20,696	1,221	32,247	11,543	51,009	1,065	8,492	79,149	80,089	502,838	227,244	122,006	932,176
1974	2,207	29,520	18,378	987	8,432	11,571	27,131	3,000	9,239	88,054	56,037	413,406	198,519	95,154	763,118
1975	1,415	32,533	17,887	2,558	29,523	8,645	32,494	5,236	13,673	111,117	63,045	710,639	255,081	87,133	1,115,899
1976	1,450	30,262	9,123	1,725	7,364	18,794	17,965	2,140	7,597	81,021	90,093	475,477	177,441	87,379	830,391
1977	264	9,984	4,082	552	3,619	9,036	28,105	1,200	9,525	68,881	47,975	472,447	135,248	80,239	735,909
1978	692	24,754	29,448	1,104	9,298	13,747	22,063	2,044	7,008	98,940	88,976	584,327	209,098	85,068	967,468
1979	895	45,490	10,127	2,640	13,520	13,679	24,927	2,317	5,541	91,170	101,499	597,776	210,306	65,158	974,739
1980	67	7,717	6,201	865	890	9,675	10,163	1,213	4,757	67,070	55,344	411,272	108,618	49,879	625,112
1981	419	14,768	8,412	3,634	7,987	8,735	13,445	991	3,210	88,819	47,800	371,053	150,420	49,715	608,464
1982	1,151	16,612	10,090	2,100	15,103	14,895	20,548	2,348	6,643	77,503	63,868	612,244	166,993	87,814	908,286
1983	1,515	17,147	14,073	1,929	20,637	14,286	16,665	2,606	7,844	76,102	114,199	807,310	172,804	92,011	1,174,691
1984	858	13,383	23,667	3,536	6,370	21,134	14,802	1,778	10,114	112,709	88,625	777,090	208,351	73,518	1,147,584
1985	178	3,889	5,304	726	4,844	10,477	19,640	1,430	8,117	70,296	67,470	449,327	124,901	38,893	680,591
1986	1,069	8,272	14,887	1,331	6,660	9,417	18,331	1,104	7,439	105,806	59,043	476,211	174,316	32,159	741,730
1987	84	5,234	4,017	370	1,753	5,903	10,246	1,880	4,020	85,409	43,240	347,358	118,918	34,753	544,268
1988	188	1,512	2,536	110	1,055	1,233	788	41	29	4,955	19,738	72,840	12,447	20,476	125,502
1989	735	1,910	3,738	876	3,181	4,616	796	127	46	7,000	19,970	84,236	23,026	43,075	170,307
1990	428	1,427	2,420	278	4,040	1,707	1,019	50	60	3,896	19,239	108,560	15,325	28,788	171,912
1991	157	1,569	2,630	195	716	2,358	1,471	519	159	6,039	29,008	93,546	15,814	20,776	159,144
1992	904	1,671	2,587	88	3,641	4,215	13,988	420	3,200	47,934	25,013	212,452	78,648	23,601	339,711
1993	150	4,467	10,241	185	4,333	3,381	6,236	196	2,008	39,018	33,127	189,712	70,214	34,665	327,718
1994	295	9,600	7,442	932	2,906	5,223	8,317	199	1,978	66,792	36,513	387,532	103,684	21,226	548,955
1995	616	22,734	15,218	725	7,993	7,191	11,869	94	4,018	67,557	92,520	682,182	138,015	49,610	962,329
1996	707	23,430	19,975	836	15,593	14,440	20,613	181	3,250	96,168	88,244	747,379	195,193	49,541	1,080,355
1997	2,022	28,691	17,261	2,130	14,992	14,870	21,585	1,296	4,597	128,189	84,228	715,374	235,633	56,418	1,091,519
1998	2,519	23,971	23,908	1,995	13,349	12,161	30,653	1,593	7,089	202,238	102,806	623,126	319,476	77,801	1,123,208
1999	1,498	20,667	16,160	2,035	8,914	13,936	20,143	2,642	6,766	129,744	100,516	735,272	222,505	76,864	1,135,155
2000	914	30,668	16,444	2,529	15,117	10,974	20,297	2,443	6,120	149,980	85,482	755,437	255,486	40,623	1,137,030
2001	1,284	44,154	23,443	368	19,417	4,934	23,667	1,258	4,064	168,913	73,803	860,981	291,502	38,348	1,264,634
AVERAGES:															
1961-71	1,016	22,585	23,065	826	15,665	2,574	16,389	803	4,693	23,548	32,017	312,551	111,164	67,261	522,994
1972-81	906	24,125	14,331	1,630	12,386	11,398	25,800	2,046	8,322	87,123	71,513	498,119	188,066	81,778	838,423
1982-91	636	7,096	8,336	1,145	6,436	8,603	10,431	1,188	4,447	54,972	52,440	382,872	103,290	47,226	582,402
1992-01	1,091	21,005	15,268	1,182	10,626	9,133	17,737	1,032	4,309	109,653	72,225	590,945	191,036	46,870	901,061
1961-01	915	18,797	15,441	1,187	11,385	7,796	17,560	1,256	5,425	67,720	56,438	442,864	147,481	60,942	706,629

ESTIMATED GREEN-WINGED TEAL HARVEST DURING SPECIAL SEPTEMBER SEASONS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY ¹	MISS FLYWAY ¹	CEN FLYWAY	PAC FLYWAY	U.S.
1961															
1962															
1963															
1964															
1965	0	672	4,088	417	2,536	1,195	3,920	103	344	1,251		22,923	14,526		37,448
1966	175	3,511	6,694	898	4,740	1,810	4,500	248	1,615	1,359		26,742	25,550		52,292
1967	374	5,109	7,460	781	10,876	2,485	11,219	227	1,978	6,892		56,546	47,401		103,948
1968															
1969	207	3,627		548	6,060	1,585	4,766	277	0	1,415		18,127	18,485		36,612
1970	370				9,953	857	14,735	123	2,122	6,770	1,150	29,483	34,930		65,564
1971						4,215	10,178	245	2,413	4,182	844	16,613	21,233		38,691
1972						3,129	3,605	0	853	4,321	455	8,575	11,908		20,938
1973						3,511	5,052	293	1,849	2,528		17,604	13,233		30,838
1974						2,293	9,225	1,322	2,386	6,907		8,279	22,133		30,412
1975						3,415	9,133	1,886	3,667	15,325		24,679	33,426		58,106
1976						7,485	8,235	354	2,119	17,690		28,069	35,883		63,952
1977						6,128	8,411	1,011	1,372	7,515		33,162	24,437		57,598
1978						2,164	2,813	622	1,020	9,743		18,660	16,362		35,021
1979						3,176	7,618	695	712	11,388		19,365	23,589		42,955
1980						4,414	8,395	491	2,019	9,716		23,492	25,035		48,526
1981						3,444	5,497	495	1,213	10,313	292	15,537	20,962		36,268
1982						3,592	3,972	686	1,319	7,386	0	22,594	16,955		37,551
1983						2,960	2,730	446	752	3,890	0	24,357	10,778		34,794
1984						2,401	5,803	430	1,629	11,975	278	21,253	22,238		43,770
1985						1,521	4,579	1,075	992	7,016	253	21,117	15,183		36,554
1986						2,310	2,951	512	637	5,938	76	9,133	12,348		21,557
1987						2,317	6,618	1,061	788	11,586	176	11,153	22,370		33,698
1988															
1989															
1990															
1991															
1992						786	4,267	122	431	4,654	97	16,456	10,260		26,814
1993						640	1,081	52	357	2,926	0	7,806	5,056		12,862
1994						2,056	2,217	415	652	21,089	0	29,748	26,429		56,177
1995						1,415	1,896	70	516	5,426	69	21,242	9,323		30,634
1996						1,069	1,415	144	129	2,136	212	11,238	4,893		16,344
1997						2,700	2,367	798	222	6,615	435	15,587	12,702		28,724
1998						1,253	8,454	296	1,046	20,187	6,019	25,274	31,236		62,530
1999						584	1,410	98	1,825	4,740	12,009	14,296	8,657		34,962
2000					627	1,737	2,938	196	1,684	8,970	11,450	21,399	16,152		49,000
2001					668	2,770	3,716	259	608	10,265	8,036	16,614	18,286		42,936
AVERAGES:															
1961-71	225	3,230	6,081	661	6,833	2,025	8,220	204	1,412	3,645	997	28,406	27,021		55,759
1972-81						3,916	6,798	717	1,721	9,545	374	19,742	22,697		42,461
1982-91						2,517	4,442	702	1,020	7,965	131	18,268	16,645		34,654
1992-01						1,501	2,976	245	747	8,701	3,833	17,966	14,299		36,098
1961-01	225	3,230	6,081	661	5,066	2,544	5,429	470	1,227	7,879	2,093	20,535	19,749		41,502

¹ Includes special seasons in FL, KY, and TN initiated in 1981

ESTIMATED REGULAR SEASON GREEN-WINGED TEAL HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	3,149	3,428	6,952	860	6,226	4,939	32,618	1,866	7,452	36,657	49,930	137,420	104,147	256,596	548,093
1962	371	3,980	4,896	463	4,865	2,017	10,148	531	4,698	16,339	45,139	72,097	48,308	243,717	409,462
1963	1,898	8,666	18,957	425	18,455	7,068	23,303	3,304	8,348	28,746	59,370	169,857	119,170	386,099	734,497
1964	1,518	12,010	10,877	1,625	26,262	5,517	37,651	2,676	13,980	63,367	82,205	286,137	175,483	337,574	881,398
1965	708	6,797	10,886	1,016	13,599	7,063	25,507	2,628	14,201	71,031	68,516	210,180	153,436	363,814	795,946
1966	484	15,118	15,561	1,916	21,702	9,978	22,064	4,070	20,500	124,747	83,404	350,175	236,140	443,472	1,113,192
1967	551	15,859	17,161	1,126	31,606	11,141	57,915	4,431	31,913	100,425	94,303	447,342	272,128	571,016	1,384,792
1968	340	13,849	13,279	765	23,267	1,839	20,685	1,920	5,827	75,355	129,100	298,305	157,126	505,048	1,089,580
1969	750	12,817	16,981	705	28,694	4,867	35,073	2,007	16,380	193,041	160,484	370,982	311,315	557,930	1,400,714
1970	748	12,104	19,134	2,713	39,754	6,929	56,728	3,166	21,562	225,828	177,504	563,781	388,666	566,601	1,696,552
1971	804	12,883	30,754	1,874	34,192	16,082	49,257	3,529	25,589	103,089	149,593	319,851	278,053	502,561	1,250,056
1972	789	11,839	20,887	1,684	40,897	13,950	51,993	5,483	20,712	185,437	119,342	333,424	353,671	556,642	1,363,078
1973	1,385	12,416	22,665	1,709	44,195	12,028	46,740	1,630	27,325	121,999	109,508	335,036	292,092	436,024	1,172,661
1974	1,630	24,983	15,456	1,062	11,570	8,826	33,170	3,027	16,677	128,037	139,562	335,854	244,438	484,078	1,203,932
1975	1,684	17,938	18,535	4,018	36,141	12,801	47,357	8,569	45,421	323,713	122,410	626,641	516,177	625,093	1,890,320
1976	5,229	17,519	18,927	4,368	34,714	21,995	51,296	7,145	29,723	252,225	139,368	575,983	443,141	722,663	1,881,153
1977	1,752	17,070	21,100	6,690	48,240	17,308	61,888	7,483	38,284	225,040	119,905	661,126	444,855	580,954	1,806,841
1978	1,737	20,746	34,911	4,160	41,405	10,859	38,658	6,426	21,337	260,542	157,541	643,719	440,781	719,592	1,961,633
1979	3,646	21,691	13,273	5,204	34,002	10,058	33,350	6,802	18,564	303,312	126,478	559,894	449,902	517,457	1,653,731
1980	844	11,296	14,471	2,799	22,867	12,411	13,354	3,000	18,732	173,377	134,366	505,863	273,151	511,931	1,425,310
1981	697	17,806	13,663	3,509	24,090	11,596	22,440	4,040	18,255	162,513	122,551	429,072	278,609	413,333	1,243,565
1982	1,305	8,401	7,985	4,099	28,549	16,017	21,342	6,668	21,429	206,735	93,446	359,715	322,530	459,554	1,235,245
1983	1,616	11,758	14,277	3,120	27,952	8,496	32,166	3,855	18,933	161,599	88,721	466,618	283,772	408,772	1,248,222
1984	1,227	9,333	14,975	4,102	26,258	9,431	21,689	4,863	21,656	185,649	104,599	473,151	299,183	349,446	1,226,380
1985	404	5,168	10,838	2,571	25,962	8,616	27,201	2,500	20,874	113,696	111,600	310,496	217,830	357,826	997,752
1986	873	10,823	14,522	4,590	26,392	10,088	25,215	1,455	17,583	111,919	123,385	332,793	223,460	338,584	1,018,220
1987	1,385	14,636	10,557	2,958	24,722	8,149	29,123	4,341	26,092	196,509	92,105	448,518	318,472	353,606	1,212,700
1988	510	2,591	8,166	1,112	9,170	6,484	8,639	1,992	11,591	81,100	71,161	204,322	131,355	240,769	647,607
1989	1,567	5,663	11,277	2,062	13,302	9,453	14,660	1,990	10,117	117,082	112,698	326,274	187,173	295,482	921,626
1990	649	4,654	8,005	1,177	18,728	7,785	11,171	1,459	13,699	91,452	106,654	285,750	158,779	265,727	816,910
1991	459	2,327	7,026	761	4,914	6,626	7,562	2,033	8,570	53,847	72,335	228,833	94,125	270,582	665,875
1992	1,882	3,851	7,201	1,418	10,314	6,185	14,481	2,185	12,310	62,607	55,861	251,168	122,434	274,696	704,159
1993	730	4,235	4,784	1,247	11,229	4,955	12,218	2,590	12,184	93,924	64,922	228,692	148,095	341,419	783,129
1994	2,868	10,527	9,230	1,977	21,369	9,027	12,259	1,265	7,911	109,356	79,306	321,697	185,790	305,159	891,952
1995	1,245	14,216	10,585	4,402	22,309	11,352	11,254	4,320	14,466	162,126	172,048	600,990	256,275	452,200	1,481,512
1996	1,528	12,515	13,892	3,711	17,629	9,305	14,266	1,717	21,704	141,702	95,507	546,573	237,969	486,560	1,366,611
1997	2,784	22,568	16,659	1,999	30,356	17,024	26,791	3,551	28,333	182,556	161,754	787,814	332,621	544,433	1,826,622
1998	3,675	22,566	36,670	4,975	48,502	20,750	26,438	5,426	22,105	234,062	234,848	1,040,886	425,169	581,585	2,282,489
1999	2,719	17,178	18,514	1,794	23,861	11,978	22,134	7,354	32,373	208,431	264,425	1,096,110	346,336	477,050	2,183,922
2000	836	29,412	29,568	3,051	27,517	9,528	32,508	4,285	23,358	179,966	208,649	725,141	340,029	375,546	1,649,365
2001	1,689	20,472	22,856	4,316	19,158	7,090	26,547	2,873	21,161	197,767	140,224	629,934	323,929	304,479	1,398,566
AVERAGES:															
1961-71	1,029	10,683	15,040	1,226	22,602	7,040	33,723	2,739	15,495	94,420	99,959	293,284	203,997	430,403	1,027,662
1972-81	1,939	17,330	19,389	3,520	33,812	13,183	40,025	5,361	25,503	213,620	129,103	500,661	373,682	556,777	1,560,222
1982-91	1,000	7,535	10,763	2,655	20,595	9,115	19,877	3,116	17,054	131,959	97,670	343,647	223,668	334,035	999,054
1992-01	1,996	15,754	16,996	2,889	23,224	10,719	19,890	3,557	19,591	157,250	147,754	622,901	271,865	414,313	1,456,833
1961-01	1,480	12,773	15,534	2,540	24,998	9,942	28,509	3,670	19,315	147,973	118,167	436,542	266,735	433,797	1,255,253

ESTIMATED ALL-SEASON GREEN-WINGED TEAL HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	3,149	3,428	6,952	860	6,226	4,939	32,618	1,866	7,452	36,657	49,930	137,420	104,147	256,596	548,093
1962	371	3,980	4,896	463	4,865	2,017	10,148	531	4,698	16,339	45,139	72,097	48,308	243,717	409,462
1963	1,898	8,666	18,957	425	18,455	7,068	23,303	3,304	8,348	28,746	59,370	169,857	119,170	386,099	734,497
1964	1,518	12,010	10,877	1,625	26,262	5,517	37,651	2,676	13,980	63,367	82,205	286,137	175,483	337,574	881,398
1965	708	7,469	14,974	1,433	16,135	8,258	29,427	2,731	14,545	72,282	68,516	233,103	167,962	363,814	833,394
1966	659	18,629	22,255	2,814	26,442	11,788	26,564	4,318	22,115	126,106	83,404	376,917	261,690	443,472	1,165,484
1967	925	20,968	24,621	1,907	42,482	13,626	69,134	4,658	33,891	107,317	94,303	503,888	319,529	571,016	1,488,740
1968	340	13,849	13,279	765	23,267	1,839	20,685	1,920	5,827	75,355	129,100	298,305	157,126	505,048	1,089,580
1969	957	16,444	16,981	1,253	34,754	6,452	39,839	2,284	16,380	194,456	160,484	389,109	329,800	557,930	1,437,326
1970	1,118	12,104	19,134	2,713	49,707	7,786	71,463	3,289	23,684	232,598	178,654	593,264	423,596	566,601	1,762,116
1971	804	12,883	30,754	1,874	34,192	20,297	59,435	3,774	28,002	107,271	150,437	336,464	299,286	502,561	1,288,747
1972	789	11,839	20,887	1,684	40,897	17,079	55,598	5,483	21,565	189,758	119,797	341,999	365,579	556,642	1,384,016
1973	1,385	12,416	22,665	1,709	44,195	15,539	51,792	1,923	29,174	124,527	109,508	352,640	305,325	436,024	1,203,499
1974	1,630	24,983	15,456	1,062	11,570	11,119	42,395	4,349	19,063	134,944	139,562	344,133	266,571	484,078	1,234,344
1975	1,684	17,938	18,535	4,018	36,141	16,216	56,490	10,455	49,088	339,038	122,410	651,320	549,603	625,093	1,948,426
1976	5,229	17,519	18,927	4,368	34,714	29,480	59,531	7,499	31,842	269,915	139,368	604,052	479,024	722,663	1,945,105
1977	1,752	17,070	21,100	6,690	48,240	23,436	70,299	8,494	39,656	232,555	119,905	694,288	469,292	580,954	1,864,439
1978	1,737	20,746	34,911	4,160	41,405	13,023	41,471	7,048	22,357	270,285	157,541	662,379	457,143	719,592	1,996,654
1979	3,646	21,691	13,273	5,204	34,002	13,234	40,968	7,497	19,276	314,700	126,478	579,259	473,491	517,457	1,696,686
1980	844	11,296	14,471	2,799	22,867	16,825	21,749	3,491	20,751	183,093	134,366	529,355	298,186	511,931	1,473,836
1981	697	17,806	13,663	3,509	24,090	15,040	27,937	4,535	19,468	172,826	122,843	444,609	299,571	413,333	1,279,833
1982	1,305	8,401	7,985	4,099	28,549	19,609	25,314	7,354	22,748	214,121	93,446	382,309	339,485	459,554	1,272,796
1983	1,616	11,758	14,277	3,120	27,952	11,456	34,896	4,301	19,685	165,489	88,721	490,975	294,550	408,772	1,283,016
1984	1,227	9,333	14,975	4,102	26,258	11,832	27,492	5,293	23,285	197,624	104,877	494,404	321,421	349,446	1,270,150
1985	404	5,168	10,838	2,571	25,962	10,137	31,780	3,575	21,866	120,712	111,853	331,613	233,013	357,826	1,034,306
1986	873	10,823	14,522	4,590	26,392	12,398	28,166	1,967	18,220	117,857	123,461	341,926	235,808	338,584	1,039,777
1987	1,385	14,636	10,557	2,958	24,722	10,466	35,741	5,402	26,880	208,095	92,281	459,671	340,842	353,606	1,246,398
1988	510	2,591	8,166	1,112	9,170	6,484	8,639	1,992	11,591	81,100	71,161	204,322	131,355	204,769	647,607
1989	1,567	5,663	11,277	2,062	13,302	9,453	14,660	1,990	10,117	117,082	112,698	326,274	187,173	295,482	921,626
1990	649	4,654	8,005	1,177	18,728	7,785	11,171	1,459	13,699	91,452	106,654	285,750	158,779	265,727	816,910
1991	459	2,327	7,026	761	4,914	6,626	7,562	2,033	8,570	53,847	72,335	228,833	94,125	270,582	665,875
1992	1,882	3,851	7,201	1,418	10,314	6,971	18,748	2,307	12,741	67,261	55,958	267,624	132,694	274,696	730,973
1993	730	4,235	4,784	1,247	11,229	5,595	13,299	2,642	12,541	96,850	64,922	236,498	153,151	341,419	795,991
1994	2,868	10,527	9,230	1,977	21,369	11,083	14,476	1,680	8,563	130,445	79,306	351,445	212,219	305,159	948,129
1995	1,245	14,216	10,585	4,402	22,309	12,767	13,150	4,390	14,982	167,552	172,117	622,232	265,598	452,200	1,512,146
1996	1,528	12,515	13,892	3,711	17,629	10,374	15,681	1,861	21,833	143,838	95,719	557,811	242,862	486,560	1,382,955
1997	2,784	22,568	16,659	1,999	30,356	19,724	29,158	4,349	28,555	189,171	162,189	803,401	345,323	544,433	1,855,346
1998	3,675	22,566	36,670	4,975	48,502	22,003	34,892	5,722	23,151	254,249	240,867	1,066,160	456,405	581,585	2,345,019
1999	2,719	17,178	18,514	1,794	23,861	12,562	23,544	7,452	34,198	213,171	276,434	1,110,406	354,993	477,050	2,218,884
2000	836	29,412	29,568	3,051	28,144	11,265	35,446	4,481	25,042	188,936	220,099	746,540	356,181	375,546	1,698,365
2001	1,689	20,472	22,856	4,316	19,826	9,860	30,263	3,132	21,769	208,032	148,260	646,548	342,215	304,479	1,441,502
AVERAGES:															
1961-71	1,132	11,857	16,698	1,467	25,708	8,144	38,206	2,850	16,266	96,409	100,140	308,778	218,736	430,403	1,058,076
1972-81	1,939	17,330	19,389	3,520	33,812	17,099	46,823	6,077	27,224	223,164	129,178	520,403	396,379	556,777	1,602,684
1982-91	1,000	7,535	10,763	2,655	20,595	10,625	22,542	3,537	17,666	136,738	97,749	354,608	233,655	334,035	1,019,846
1992-01	1,996	15,754	16,996	2,889	23,354	12,220	22,866	3,802	20,338	165,951	151,587	640,867	286,164	414,313	1,492,931
1961-01	1,507	13,088	15,979	2,604	25,863	11,928	32,746	4,037	20,273	154,122	119,187	452,569	282,148	437,030	1,287,645

ESTIMATES OF REGULAR SEASON NORTHERN SHOVELER HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	696	545	323	411	617	410	3,117	463	1,553	14,621	3,369	15,707	22,756	147,868	189,698
1962	121	2,550	3,044	40	631	193	1,616	95	717	7,717	3,220	15,631	16,724	120,245	155,820
1963	335	8,043	9,575	88	2,079	897	5,214	1,542	1,867	13,449	8,081	46,044	43,089	236,360	333,574
1964	490	10,836	4,583	259	2,497	771	3,633	566	889	22,593	6,679	58,341	47,117	115,240	227,377
1965	949	14,222	4,990	92	3,772	1,893	4,803	407	3,094	20,673	6,175	75,242	54,895	188,446	324,758
1966	270	19,772	3,963	593	3,778	1,013	8,881	1,180	5,181	41,407	14,356	106,796	86,038	237,335	444,524
1967	527	18,038	6,059	145	8,700	1,490	11,572	2,134	9,148	29,599	12,788	93,312	87,412	267,625	461,137
1968	394	6,956	1,251	251	2,887	307	3,304	355	512	26,793	9,238	41,754	43,010	181,536	275,539
1969	1,171	18,523	10,865	655	6,317	2,460	11,660	1,496	4,612	58,235	13,293	101,848	115,994	273,710	504,843
1970	268	12,556	7,397	310	5,035	1,670	12,358	2,037	3,980	61,757	16,448	173,451	107,368	267,719	564,985
1971	171	12,681	7,833	490	7,369	3,377	12,486	2,033	6,223	30,226	12,040	93,733	82,889	248,046	436,709
1972	1,039	11,525	11,358	589	6,316	1,768	14,129	2,248	8,370	76,732	13,019	103,311	134,074	206,720	457,124
1973	537	3,859	5,534	627	5,219	4,594	6,006	243	2,428	37,967	8,756	67,692	67,014	155,825	299,289
1974	801	11,011	2,576	405	2,688	1,491	8,626	4,042	6,169	64,528	17,140	83,846	102,337	229,009	432,331
1975	1,075	16,151	3,195	995	5,178	2,317	5,639	2,225	3,855	71,975	19,035	111,432	112,605	302,874	545,945
1976	1,633	11,206	2,402	393	2,878	4,104	7,406	3,022	3,524	66,462	13,687	110,067	103,030	255,350	482,135
1977	453	6,641	3,432	33	4,991	3,104	7,792	1,158	6,427	46,279	10,128	121,493	80,310	173,203	385,134
1978	986	18,297	29,276	880	6,912	3,417	3,690	1,891	3,141	61,000	14,490	171,778	129,490	219,587	535,345
1979	663	18,478	8,953	440	4,936	2,343	5,570	1,868	3,029	67,674	17,577	144,133	113,954	169,988	445,652
1980	191	8,377	4,671	329	3,317	1,654	2,032	859	1,869	32,021	13,180	84,169	55,320	155,371	308,039
1981	0	6,728	2,761	788	2,754	1,483	1,818	839	2,092	33,602	5,565	75,511	52,865	168,491	302,432
1982	305	13,935	5,288	833	6,464	4,087	4,296	3,263	2,543	68,113	12,817	79,588	109,127	184,547	386,079
1983	785	7,667	5,682	452	4,157	2,876	3,083	1,502	2,272	37,001	13,782	128,311	65,477	218,714	426,284
1984	685	5,731	8,924	932	4,426	3,164	5,123	1,093	3,300	49,384	12,233	103,923	82,762	148,659	347,575
1985	2,958	2,058	5,983	805	4,476	2,688	3,857	1,059	2,312	24,211	7,502	76,980	50,407	139,263	274,152
1986	460	4,956	5,228	638	1,862	2,334	2,742	1,802	2,822	33,356	12,079	99,048	56,200	128,746	296,074
1987	303	9,360	2,834	379	2,269	1,852	1,748	2,135	2,933	47,598	9,260	77,375	71,411	150,587	308,632
1988	0	977	541	99	137	1,331	576	913	858	10,443	3,877	25,078	15,875	65,504	110,334
1989	299	2,580	2,707	176	834	1,885	960	321	683	20,622	9,540	41,895	31,067	86,861	169,362
1990	88	2,192	2,751	242	941	1,216	838	374	619	14,059	5,582	44,230	23,320	96,390	169,522
1991	238	2,070	3,773	100	265	476	893	923	591	11,084	8,870	57,409	20,413	69,563	156,256
1992	882	2,576	3,635	156	674	773	1,239	346	775	12,217	5,237	44,090	23,273	100,033	172,633
1993	182	5,163	2,462	87	1,363	757	1,208	820	797	15,550	10,728	41,141	28,389	87,748	168,006
1994	332	9,859	4,869	227	4,160	2,148	1,793	814	1,769	45,073	14,965	107,979	71,044	151,532	345,520
1995	571	16,603	9,994	680	4,417	3,850	2,328	1,647	6,374	53,619	25,184	197,348	100,083	141,363	463,979
1996	926	16,784	10,814	422	6,165	10,796	3,434	1,657	6,423	77,641	19,379	194,858	135,062	209,507	558,804
1997	1,137	15,980	12,582	1,292	8,861	13,150	7,635	4,779	8,286	79,502	18,797	254,363	153,204	259,448	685,814
1998	758	17,398	6,230	1,957	7,578	6,698	7,301	1,929	10,537	64,509	24,047	250,137	124,895	303,167	702,243
1999	779	20,961	11,229	613	4,020	2,664	5,149	4,011	5,966	58,590	18,507	246,583	113,982	187,820	566,892
2000	378	18,108	6,292	649	4,263	3,035	2,175	1,068	4,344	70,694	19,219	220,930	111,006	124,922	476,077
2001	205	25,729	15,765	325	4,687	1,288	4,959	1,053	2,798	90,006	19,731	264,169	146,815	142,070	572,785
AVERAGES:															
1961-71	490	11,338	5,444	303	3,971	1,316	7,149	1,119	3,434	29,734	9,608	74,714	64,299	207,648	356,269
1972-91	738	11,227	7,416	548	4,519	2,628	6,271	1,840	4,090	55,824	13,258	107,343	95,100	203,642	419,343
1982-91	612	5,153	4,371	466	2,583	2,191	2,412	1,339	1,893	31,587	9,554	73,384	52,606	128,883	264,427
1992-01	615	14,916	8,387	641	4,619	4,516	3,722	1,812	4,807	56,740	17,579	182,160	100,775	170,761	471,275
1961-01	611	10,675	6,381	485	3,924	2,630	4,944	1,517	3,553	43,136	12,429	108,554	77,856	178,463	377,303

ESTIMATED REGULAR SEASON WOOD DUCK HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	0	0	889	0	130	0	1,623	0	1,578	5,689	122,999	119,032	9,909	12,577	264,518
1962	0	156	444	0	1,049	0	751	0	1,103	7,970	115,426	162,825	11,473	17,415	307,139
1963	0	189	746	0	727	0	871	0	321	14,340	137,028	372,954	17,194	21,504	548,680
1964	141	122	519	0	2,215	13	2,727	34	1,831	15,889	115,156	311,530	23,491	26,302	476,479
1965	0	0	675	0	1,478	0	1,967	53	2,876	18,588	158,353	356,871	25,637	44,803	585,665
1966	0	405	1,805	0	2,928	0	2,095	130	4,202	16,284	192,724	496,969	27,849	25,293	742,836
1967	49	597	1,350	0	1,869	0	4,748	35	6,093	11,731	170,027	336,900	26,472	44,654	578,052
1968	0	801	341	0	2,836	164	2,486	0	1,235	15,383	228,391	319,754	23,246	29,753	601,144
1969	144	1,185	924	0	2,468	0	4,796	23	12,821	55,418	271,040	554,524	77,779	39,216	942,559
1970	0	944	614	0	785	373	1,879	80	9,153	47,380	358,165	634,449	61,208	28,850	1,082,672
1971	0	332	1,228	34	3,561	230	4,301	0	7,096	28,288	287,000	559,255	45,070	32,651	923,658
1972	0	674	1,320	0	2,456	127	1,207	92	7,788	30,401	317,170	542,392	44,065	37,860	941,487
1973	0	1,342	736	0	2,783	99	7,811	0	14,886	17,973	270,592	453,312	45,630	41,808	811,342
1974	0	2,374	1,095	41	1,269	99	4,486	123	5,601	17,514	276,530	596,054	32,602	34,646	939,832
1975	0	899	1,908	0	6,176	392	4,537	136	10,821	26,502	321,261	796,936	51,371	33,287	1,202,856
1976	328	1,074	1,827	0	3,651	709	4,087	0	2,598	36,046	313,084	682,951	50,320	35,946	1,082,301
1977	183	690	2,470	0	5,210	0	13,634	0	7,318	36,939	342,812	578,608	66,444	38,569	1,026,433
1978	148	1,328	1,551	0	7,874	375	3,952	47	5,169	58,206	407,382	741,116	78,650	46,508	1,273,655
1979	231	2,577	2,255	131	5,460	109	3,310	157	6,397	39,906	361,621	803,426	60,533	24,286	1,249,866
1980	181	0	3,288	63	4,229	1,347	970	27	2,222	58,974	460,779	810,351	71,301	52,062	1,394,491
1981	141	1,155	1,470	218	4,581	471	1,196	25	5,937	44,349	434,016	798,679	59,542	32,922	1,325,159
1982	183	304	2,085	0	7,504	617	1,710	235	7,514	37,359	373,662	672,057	57,513	33,964	1,137,195
1983	375	583	3,221	44	12,016	388	5,484	30	9,002	58,577	416,100	796,800	89,720	31,847	1,375,745
1984	284	997	2,851	153	8,233	1,090	3,316	192	7,924	40,485	441,417	843,567	65,525	22,236	1,372,745
1985	0	172	1,016	20	3,688	189	3,121	326	7,304	25,556	244,455	481,965	41,392	16,015	783,827
1986	262	757	2,552	182	6,747	1,587	3,281	218	4,713	40,526	261,289	525,686	60,825	32,627	880,425
1987	618	335	1,492	73	4,821	1,260	2,777	161	5,718	38,181	344,078	563,410	55,436	21,964	984,889
1988	209	983	1,242	60	2,868	384	1,728	267	3,426	17,713	201,683	289,249	28,880	16,903	536,715
1989	388	624	687	44	1,640	686	2,254	178	4,775	30,062	206,209	395,196	41,338	20,973	663,718
1990	442	698	1,127	94	3,029	843	1,469	60	3,571	39,075	240,389	429,825	50,408	18,625	739,247
1991	236	113	3,221	83	2,875	1,860	2,607	418	2,707	25,879	269,602	471,084	39,999	21,885	802,571
1992	420	350	1,530	38	4,032	869	1,582	197	1,471	29,165	192,144	393,242	39,654	24,117	649,156
1993	454	1,231	1,961	124	5,646	1,307	2,718	288	3,679	39,634	250,400	477,300	57,042	43,208	835,738
1994	3,378	672	2,240	195	5,941	4,371	1,987	116	3,254	36,585	249,421	579,428	58,739	31,904	919,493
1995	945	1,658	3,959	318	6,820	2,869	2,122	413	4,548	44,810	313,664	683,617	68,462	46,779	1,112,522
1996	2,613	1,179	2,763	312	5,981	2,877	1,571	0	3,672	44,899	305,569	688,586	65,867	40,651	1,100,674
1997	851	2,233	2,325	0	8,507	3,814	4,841	292	10,799	76,331	397,200	757,500	109,993	41,804	1,352,726
1998	1,376	1,214	5,073	0	11,399	4,479	5,216	849	8,349	140,680	418,747	794,057	178,635	59,315	1,450,755
1999	1,301	2,442	4,237	413	9,465	2,747	4,606	1,185	9,083	82,818	396,697	997,200	118,297	42,887	1,555,821
2000	449	1,889	7,194	61	9,076	1,990	2,979	764	5,358	87,708	390,287	708,751	117,468	47,734	1,264,242
2001	1,518	1,082	5,139	1,156	2,218	1,694	5,706	621	2,619	81,543	354,523	567,024	103,296	45,520	1,070,363
AVERAGES:															
1961-71	30	430	867	3	1,822	71	2,568	32	4,392	21,542	196,028	384,097	31,757	29,365	641,218
1972-81	121	1,211	1,792	45	4,369	373	4,519	61	6,874	36,681	350,525	680,383	56,046	37,789	1,124,742
1982-91	300	557	1,949	75	5,342	890	2,775	209	5,665	35,341	299,888	546,884	53,104	23,704	927,708
1992-01	1,331	1,395	3,642	262	6,909	2,702	3,333	473	5,283	66,417	326,865	664,671	91,745	42,392	1,131,149
1961-01	435	887	2,033	94	4,542	986	3,281	190	5,525	39,545	290,953	564,498	57,519	33,216	948,522

ESTIMATED REGULAR SEASON BLACK-BELLIED WHISTLING DUCK HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961										0	0	0	0	0	0
1962										0	0	0	0	0	0
1963										0	0	0	0	0	0
1964										0	0	0	0	0	0
1965										0	0	0	0	0	0
1966										0	0	0	0	0	0
1967										0	0	0	89	89	0
1968										0	0	0	0	0	0
1969										0	0	0	0	0	0
1970										0	0	0	0	0	0
1971										0	0	0	0	0	0
1972										0	0	0	291	291	0
1973										0	0	0	0	0	0
1974										0	0	0	0	0	0
1975										0	0	0	0	0	0
1976										220	225	0	220	0	445
1977										0	0	0	0	0	0
1978										331	0	0	331	0	331
1979										0	0	0	0	0	0
1980										0	0	0	0	0	0
1981										0	0	0	0	0	0
1982										947	0	0	947	0	947
1983										242	74	0	242	0	316
1984										601	0	0	601	0	601
1985										1,372	0	0	1,372	0	1,372
1986										1,044	0	0	1,044	0	1,044
1987										2,050	0	0	2,050	0	2,050
1988										1,282	0	0	1,282	0	1,282
1989										886	0	0	886	0	886
1990										323	0	0	323	0	323
1991										1,024	0	0	1,024	0	1,024
1992										676	0	91	676	0	767
1993										2,507	0	94	2,507	0	2,601
1994										2,054	0	0	2,054	0	2,054
1995										1,561	0	0	1,561	0	1,561
1996										3,776	0	0	3,776	0	3,776
1997										606	0	0	606	0	606
1998										811	122	1,069	811	0	2,002
1999										1,113	0	0	1,113	0	1,113
2000										3,773	95	0	3,773	354	4,223
2001										7,697	116	2,519	7,697	0	10,332
AVERAGES:															
1961-71										0	0	0	0	8	8
1972-81										55	23	0	55	29	107
1982-91										977	7	0	977	0	985
1992-01										2,457	33	377	2,457	35	2,904
1961-01										851	15	92	851	18	976

ESTIMATED REGULAR SEASON FULVOUS TREE DUCK HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961							0			0	489	0	0	175	664
1962							0			87	165	69	87	684	1,005
1963							0			0	519	69	0	0	588
1964							0			0	1,290	0	0	0	1,290
1965							0			0	184	0	0	486	670
1966							0			0	647	0	0	0	647
1967							0			0	0	0	0	0	0
1968							0			0	194	0	0	384	578
1969							0			0	469	683	0	1,459	2,611
1970							0			0	1,389	0	0	517	1,906
1971							0			0	1,140	0	0	0	1,140
1972							0			0	5,787	0	0	228	6,015
1973							0			221	3,084	442	221	877	4,624
1974							0			0	1,330	0	0	0	1,330
1975							0			404	780	795	404	308	2,287
1976							0			0	1,488	0	0	330	1,818
1977							0			0	271	0	0	0	271
1978							0			0	348	0	0	0	348
1979							0			359	383	471	359	0	1,213
1980							0			0	282	685	0	0	967
1981							0			0	758	0	0	0	758
1982							0			0	467	0	0	0	467
1983							0			0	873	0	0	0	873
1984							0			315	1,605	0	315	0	1,920
1985							0			170	1,683	581	170	0	2,434
1986							0			0	1,026	0	0	0	1,026
1987							0			190	314	0	190	0	504
1988							0			0	664	0	0	0	664
1989							0			277	2,613	95	277	0	2,985
1990							0			0	378	698	0	0	1,076
1991							0			0	1,813	607	0	0	2,420
1992							0			247	3,345	168	247	0	3,760
1993							0			0	1,496	0	0	0	1,496
1994							43			0	212	0	43	0	255
1995							0			0	100	1,838	0	0	1,938
1996							0			248	0	0	248	0	248
1997							0			0	471	0	0	0	471
1998							0			0	466	0	0	0	466
1999							0			0	277	1,222	0	0	1,500
2000							0			0	284	0	0	0	284
2001							0			0	332	2,898	0	0	3,230
AVERAGES:															
1961-71										8	590	75	8	337	1,009
1972-81										98	1,451	239	98	174	1,963
1982-91										95	1,144	198	95	0	1,437
1992-01										50	698	613	54	0	1,365
1961-01										61	961	276	62	133	1,433

ESTIMATED REGULAR SEASON REDHEAD HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	43	255	73	205	0	48	691	45	133	872	784	1,691	2,365	3,755	8,597
1962	0	125	370	0	0	0	280	19	166	246	549	2,305	1,206	4,143	8,203
1963	0	456	785	20	0	34	1,035	90	281	940	1,506	4,260	3,641	8,350	17,757
1964	148	6,972	5,952	313	1,013	155	2,324	144	3,504	12,227	9,458	46,603	32,752	27,912	116,727
1965	353	10,835	14,775	62	1,267	88	4,801	725	7,154	26,971	14,198	65,902	67,031	39,774	186,904
1966	72	13,558	13,322	523	2,910	789	6,356	363	5,718	30,607	21,212	96,039	74,218	27,349	218,816
1967	0	16,401	8,237	610	2,574	1,082	9,320	263	9,513	46,490	14,434	91,648	94,490	37,391	237,964
1968	44	4,764	1,922	0	983	236	3,727	46	400	3,724	3,634	23,642	15,846	19,968	63,092
1969	153	17,717	19,164	133	4,655	1,084	16,388	539	3,843	15,618	11,423	87,839	79,294	38,156	216,713
1970	33	13,514	7,226	741	4,382	2,230	11,478	254	6,212	27,906	12,485	87,028	73,976	39,487	212,979
1971	326	14,805	9,961	446	3,915	1,359	12,581	383	4,114	11,529	22,102	83,966	59,419	54,644	220,131
1972	239	1,912	3,376	0	551	706	1,395	20	1,865	3,081	1,397	10,954	13,145	28,461	53,960
1973	0	1,024	5,088	426	2,922	1,382	5,045	234	5,059	8,280	1,593	17,144	29,460	31,066	79,263
1974	52	3,100	2,908	235	1,857	2,009	9,945	822	5,523	7,876	940	30,601	34,327	26,329	92,198
1975	202	7,421	4,880	281	3,898	1,210	8,695	919	6,787	22,788	3,632	47,206	57,081	41,548	149,467
1976	856	6,191	5,735	1,781	5,671	4,031	11,543	557	5,755	14,643	8,972	47,505	56,763	41,654	154,891
1977	0	1,316	5,795	916	1,965	1,111	4,570	323	5,297	20,505	8,498	28,089	41,798	26,853	105,240
1978	301	8,486	18,274	164	5,509	546	5,621	422	4,655	14,635	8,557	63,512	58,613	37,191	167,874
1979	235	15,071	12,754	547	3,727	1,097	7,015	425	4,183	27,299	8,847	87,470	72,353	26,636	195,306
1980	101	3,733	6,943	724	3,195	1,809	1,837	443	2,395	16,221	9,313	58,095	37,401	42,620	147,428
1981	208	5,064	2,107	684	2,945	3,284	4,644	270	2,643	18,698	3,700	43,481	40,547	27,840	115,569
1982	232	6,164	2,547	449	2,803	820	2,860	602	4,048	21,299	5,595	48,573	41,824	52,255	148,247
1983	83	11,548	7,033	553	2,492	2,779	5,449	731	4,529	21,653	10,285	64,508	56,850	44,949	176,592
1984	156	5,527	9,475	902	3,206	2,947	4,336	340	6,237	25,358	5,962	51,100	58,484	27,102	142,648
1985	0	4,364	4,828	333	2,235	2,387	2,729	388	2,749	16,299	7,450	36,437	36,312	17,293	97,492
1986	45	7,504	5,161	204	1,806	1,875	2,688	279	1,993	17,906	5,330	40,872	39,461	15,465	101,128
1987	82	6,801	5,140	165	1,233	1,236	1,738	602	1,511	16,179	2,186	34,792	34,687	11,401	83,067
1988	0	1,209	1,491	226	1,044	792	333	108	452	5,982	7,221	11,688	6,346	27,366	63,067
1989	24	1,719	2,156	44	427	105	582	76	509	5,851	1,852	8,608	11,493	9,141	31,096
1990	95	1,371	1,574	182	531	427	406	60	534	9,243	587	12,826	14,423	7,492	35,326
1991	44	1,245	2,937	55	841	485	448	346	629	8,339	489	24,565	15,369	6,334	46,757
1992	0	1,750	2,385	89	991	339	1,329	80	970	3,749	1,015	16,119	11,682	5,513	34,441
1993	0	7,283	5,211	71	1,846	328	697	61	612	4,611	2,906	26,226	20,720	10,699	60,553
1994	437	12,029	3,800	656	1,582	2,291	1,949	116	1,400	16,678	2,498	42,882	40,938	16,562	102,880
1995	136	10,268	6,491	498	3,627	1,132	1,971	136	1,556	22,108	9,406	63,998	47,923	24,829	146,155
1996	437	13,468	5,730	211	4,202	2,834	5,507	8	3,894	60,307	7,673	85,581	96,598	29,240	219,092
1997	866	19,392	6,802	1,166	4,858	4,806	3,640	272	4,242	54,219	5,105	80,266	100,263	41,099	226,732
1998	982	14,113	3,849	783	3,942	3,693	6,503	917	3,887	79,051	11,689	69,800	117,720	43,089	242,299
1999	455	17,366	5,604	1,281	2,136	1,942	3,199	132	2,067	75,189	4,345	68,107	109,371	15,927	197,749
2000	419	14,696	6,214	783	3,034	928	3,357	243	2,473	40,926	8,087	40,168	73,073	12,987	134,314
2001	0	19,145	7,327	154	1,803	414	3,699	837	3,864	46,746	8,038	44,692	83,989	12,046	148,764
AVERAGES:															
1961-71	107	9,037	7,435	278	1,973	646	6,271	261	3,731	16,103	10,162	53,720	45,840	27,357	137,080
1972-81	219	5,332	6,786	576	3,224	1,719	6,031	444	4,416	15,403	5,545	43,406	44,149	33,020	126,120
1982-91	76	4,745	4,234	311	1,662	1,385	2,157	353	2,319	14,811	4,185	32,950	32,059	19,778	88,972
1992-01	373	12,951	5,341	569	2,802	1,871	3,185	280	2,497	40,358	6,076	53,784	70,228	21,199	151,298
1961-01	192	8,041	5,985	430	2,404	1,387	4,456	333	3,253	21,533	6,582	46,154	48,014	25,388	126,141

ESTIMATES OF REGULAR-SEASON CANVASBACK HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	0	0	0	0	0	0	0	0	0	322	147	194	322	2,118	2,782
1962	0	0	0	0	0	0	0	0	0	127	257	85	127	378	847
1963	0	42	46	0	0	0	0	0	0	184	282	176	272	581	1,310
1964	123	3,940	1,817	62	213	81	112	167	1,357	5,974	29,374	36,085	13,846	13,729	93,032
1965	139	6,611	6,523	31	0	276	531	79	405	8,092	25,084	49,458	22,687	14,162	111,390
1966	144	10,147	9,654	0	1,594	191	1,188	311	2,748	15,001	50,643	60,629	40,978	66,992	219,242
1967	0	4,566	3,009	0	1,627	0	2,183	324	1,346	9,018	21,084	46,040	22,073	27,935	117,130
1968	0	2,641	1,364	0	99	137	541	71	354	1,589	13,646	21,668	6,796	18,034	60,144
1969	0	6,169	5,150	67	586	169	974	112	3,435	14,350	41,360	27,052	31,318	26,258	125,987
1970	0	5,499	1,573	148	916	353	2,181	334	2,515	6,929	17,802	40,093	20,448	55,830	134,173
1971	120	4,282	1,839	0	489	354	1,327	64	1,063	4,658	31,132	35,195	14,196	54,895	135,417
1972	0	209	0	0	0	0	0	65	99	194	226	928	567	2,359	4,080
1973	0	384	403	59	347	59	145	150	1,893	3,881	224	14,622	7,321	23,172	45,338
1974	0	1,813	1,016	118	561	330	1,591	164	2,679	11,009	689	16,113	19,281	39,177	75,260
1975	0	1,859	797	195	594	168	1,727	908	1,774	7,876	1,629	30,558	15,898	45,857	93,942
1976	81	4,292	153	285	523	764	553	112	1,566	9,673	23,222	33,908	18,002	52,225	127,356
1977	222	147	1,163	208	404	873	63	1,868	5,883	6,950	24,762	10,831	32,918	75,460	117,130
1978	256	414	917	55	331	80	272	47	550	4,081	5,453	20,354	7,003	31,408	64,218
1979	207	3,020	2,453	66	665	77	854	489	1,065	8,424	9,250	39,387	17,320	26,309	92,268
1980	34	999	1,038	78	588	229	156	54	989	3,635	8,182	27,332	7,800	23,759	67,075
1981	69	344	65	449	111	449	210	565	2,636	8,143	20,007	4,898	25,255	58,303	84,730
1982	61	428	229	123	541	347	168	266	5,967	3,094	13,945	8,130	19,884	45,054	75,260
1983	54	5,744	900	762	73	167	199	50	6,258	14,287	30,978	14,207	22,491	81,964	117,130
1984	80	1,630	1,153	105	555	1,207	857	333	1,803	6,492	8,531	23,015	14,215	26,180	71,943
1985	677	2,486	1,084	126	707	377	729	278	767	3,186	9,021	23,062	10,417	37,725	80,225
1986	0	0	0	0	454	108	0	0	502	204	594	1,064	22,381	24,243	24,243
1987	0	223	0	69	0	56	0	105	73	257	76	802	783	18,204	19,867
1988	0	0	0	0	0	0	0	0	34	156	82	141	190	590	1,003
1989	0	89	0	0	0	0	0	0	244	226	508	333	9,977	11,044	11,044
1990	0	0	0	0	0	0	0	0	334	104	311	334	7,394	8,143	8,143
1991	0	0	0	0	132	0	0	0	36	192	0	237	360	7,696	8,293
1992	0	0	0	0	0	56	0	0	0	45	0	199	101	11,371	11,672
1993	0	48	0	0	0	0	0	0	31	178	51	173	257	12,826	13,308
1994	104	3,700	3,184	418	263	232	621	326	402	4,121	4,404	31,341	13,371	20,153	69,268
1995	501	6,017	3,314	0	758	1,143	846	136	460	6,762	13,137	60,048	19,937	16,145	109,268
1996	236	4,646	2,542	273	1,318	245	241	24	2,585	6,104	19,957	49,739	18,214	22,191	110,103
1997	153	6,364	1,853	146	942	145	418	213	1,516	11,505	12,338	59,629	23,255	26,103	121,323
1998	668	3,430	1,619	146	1,022	1,668	1,533	47	2,513	9,582	7,327	36,584	22,228	27,332	93,471
1999	455	6,394	978	67	620	66	856	199	1,080	10,995	6,199	40,164	21,710	19,217	87,291
2000	240	6,827	1,668	0	0	158	124	35	1,082	15,351	16,506	44,193	25,485	17,815	103,998
2001	180	8,299	208	131	174	168	773	0	227	4,901	1,775	10,394	15,063	8,797	36,030
AVERAGES:															
1961-71	48	3,991	2,816	28	502	156	822	133	1,202	6,022	20,983	28,789	15,733	25,537	91,041
1972-81	87	1,348	801	107	427	222	662	226	1,305	5,729	6,397	22,797	10,892	30,244	70,330
1982-91	87	1,060	337	47	290	236	210	108	303	2,359	3,563	9,359	5,003	17,252	35,178
1992-01	254	4,573	1,537	118	510	388	541	98	990	6,954	8,169	33,246	15,962	18,195	75,573
1961-01	117	2,773	1,408	73	437	251	565	141	956	5,285	10,051	23,676	11,991	22,874	68,592

ESTIMATED REGULAR SEASON GREATER SCAUP HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	GEN FLYWAY	PAC FLYWAY	U.S.
1961	0	0	323	0	0	0	326	0	0	847	16,551	8,037	1,496	4,626	30,710
1962	0	0	151	0	94	0	33	0	184	255	32,449	11,739	717	28,663	73,567
1963	34	0	0	0	72	34	0	0	40	596	33,734	11,464	776	13,354	59,329
1964	0	41	226	0	0	0	0	0	59	1,174	21,090	18,589	1,500	7,791	48,969
1965	0	0	0	0	0	0	106	0	0	211	24,029	15,140	317	7,167	46,653
1966	0	434	102	0	0	0	184	0	317	1,671	39,232	40,070	2,708	7,870	89,880
1967	86	98	0	51	133	189	153	0	72	674	45,226	31,842	1,456	29,670	108,194
1968	102	98	0	0	59	0	149	0	0	0	37,305	23,508	408	17,039	78,260
1969	0	0	123	0	127	57	455	0	0	229	64,625	25,948	991	22,576	114,140
1970	0	0	0	0	0	0	153	0	0	480	74,687	23,826	633	12,378	111,525
1971	0	0	1,348	0	223	0	315	0	397	179	50,529	24,199	2,462	18,379	95,569
1972	0	0	0	0	138	0	1,170	92	608	583	70,528	34,705	2,591	20,014	127,839
1973	0	114	0	0	438	91	154	0	349	0	41,746	31,380	1,146	23,736	98,008
1974	0	0	0	0	0	0	402	0	170	987	29,150	23,882	1,559	11,245	65,837
1975	0	93	0	0	0	0	93	0	303	671	64,741	24,344	1,160	12,560	102,805
1976	0	0	0	0	104	0	0	112	0	564	55,252	20,427	780	12,477	88,936
1977	0	0	0	0	0	268	490	0	154	2,866	71,416	26,695	3,778	30,586	132,474
1978	0	0	0	0	251	0	0	0	92	1,444	28,502	20,674	1,787	10,060	61,024
1979	0	0	0	0	102	0	0	0	67	216	17,767	13,521	385	9,028	40,702
1980	0	224	222	78	0	0	0	0	0	1,137	34,537	17,661	1,661	14,608	68,466
1981	0	162	0	0	414	0	175	90	571	2,725	72,973	27,833	4,137	20,723	125,667
1982	0	62	0	0	0	0	177	0	81	1,061	22,838	11,801	1,381	4,900	40,920
1983	0	0	0	0	178	78	41	0	42	284	27,922	30,966	623	15,516	75,028
1984	0	0	152	52	0	0	72	34	927	1,509	31,793	23,416	2,746	14,260	72,215
1985	47	0	0	0	65	0	186	33	51	1,135	36,481	21,172	1,517	6,397	65,568
1986	0	0	0	0	113	0	58	0	34	639	17,965	10,308	844	9,030	38,148
1987	0	249	0	0	0	0	60	0	50	1,091	23,104	11,445	1,450	9,865	45,864
1988	0	63	0	0	0	94	0	0	66	1,158	12,099	6,678	1,381	6,278	26,435
1989	0	0	54	0	55	0	27	0	0	181	14,406	6,621	317	5,048	26,391
1990	0	0	43	0	0	112	40	0	213	897	7,136	12,258	1,305	7,102	27,802
1991	0	0	85	0	0	52	51	87	143	1,512	6,503	5,542	1,930	5,123	19,098
1992	0	48	0	0	51	19	210	0	58	858	6,111	8,131	1,244	4,729	20,215
1993	16	105	93	0	0	0	0	0	174	620	8,466	11,520	1,008	6,323	27,319
1994	0	64	305	0	176	54	331	0	0	2,014	6,397	13,147	2,944	6,800	29,288
1995	0	58	71	0	0	0	273	0	51	4,776	14,341	19,970	5,229	14,356	53,897
1996	0	0	381	0	199	0	0	0	192	2,099	11,884	21,388	2,871	15,048	51,192
1997	0	0	157	0	110	0	184	71	238	11,966	9,544	23,621	12,726	17,842	63,569
1998	0	0	0	146	99	0	0	0	261	4,903	12,554	15,789	5,409	12,517	46,268
1999	0	150	69	0	0	0	144	0	354	2,549	10,987	9,718	3,266	12,645	36,706
2000	64	309	0	0	140	33	0	0	77	1,289	12,847	15,644	1,912	12,653	43,055
2001	0	290	0	0	0	0	280	144	0	1,203	9,554	9,081	1,917	11,852	32,405
AVERAGES:															
1961-71	20	61	207	5	64	25	170	0	97	574	39,951	21,306	1,224	15,410	77,891
1972-81	0	59	22	8	145	36	248	29	231	1,119	48,661	24,112	1,898	16,504	91,176
1982-91	5	37	33	5	41	34	71	15	161	947	20,025	14,021	1,349	8,352	43,747
1992-01	8	102	108	15	78	11	142	22	141	3,228	10,269	14,801	3,853	11,477	40,391
1961-01	9	65	95	8	81	26	158	16	156	1,445	29,976	18,627	2,060	12,996	63,657

ESTIMATED REGULAR SEASON LESSER SCAUP HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	GEN FLYWAY	PAC FLYWAY	U.S.
1961	598	2,726	2,894	616	1,523	536	13,554	0	6,533	34,897	35,599	161,439	63,877	27,323	288,236
1962	0	1,164	2,622	0	631	0	1,163	57	1,776	3,912	14,428	49,275	11,325	18,307	93,335
1963	167	967	4,331	68	717	862	6,142	90	3,230	23,701	25,176	169,817	40,275	27,774	263,040
1964	231	3,693	6,917	187	170	233	711	102	3,258	26,118	19,527	226,849	41,620	26,006	314,000
1965	196	8,564	7,068	92	1,173	260	6,935	353	8,185	14,919	28,229	352,767	47,745	37,650	466,391
1966	288	9,980	7,567	41	4,434	1,153	8,374	97	11,980	34,552	72,178	286,960	78,466	35,879	473,483
1967	74	4,805	4,610	0	5,957	1,297	4,073	299	5,532	20,011	67,883	256,001	46,658	50,503	421,046
1968	34	5,292	1,023	0	1,163	133	10,638	142	3,620	11,075	21,490	96,208	33,120	28,256	179,076
1969	383	12,039	7,324	133	2,661	733	5,221	102	4,268	29,838	108,767	300,005	62,702	42,329	513,802
1970	33	8,781	3,161	148	2,081	382	3,554	628	4,240	16,117	43,945	251,174	39,125	20,556	354,801
1971	824	15,018	11,809	165	7,223	1,720	17,686	234	5,382	20,015	80,326	297,664	80,076	37,772	495,838
1972	499	14,654	15,368	703	6,548	3,637	13,800	378	10,655	32,173	28,617	327,190	98,415	24,829	479,052
1973	435	5,141	4,629	296	10,517	1,723	14,273	125	21,239	84,574	40,032	434,273	142,952	37,158	654,415
1974	52	2,887	3,522	118	2,945	96	6,377	0	5,641	37,217	35,824	330,749	58,855	25,275	450,702
1975	696	5,482	3,513	189	5,285	581	7,539	204	4,226	21,019	33,218	250,474	48,734	26,693	359,118
1976	676	16,063	10,322	131	4,250	1,690	11,869	410	9,109	41,775	59,051	326,772	96,295	52,858	534,975
1977	64	9,143	630	0	2,355	1,273	6,358	0	4,332	51,569	198,956	364,470	75,724	47,622	686,769
1978	768	7,303	6,709	547	6,486	1,187	6,558	208	2,063	27,404	39,645	177,365	59,233	40,609	316,851
1979	99	1,355	4,737	39	2,822	461	4,513	254	3,129	29,389	19,567	146,000	46,798	42,702	254,000
1980	57	6,421	2,543	110	4,050	601	2,624	82	3,115	15,015	21,011	154,395	34,618	29,900	239,925
1981	282	13,233	7,333	93	1,523	1,056	4,066	150	3,261	61,570	97,088	325,069	92,567	35,300	550,025
1982	749	5,849	2,998	508	2,030	1,449	1,980	323	1,590	28,359	38,967	240,959	45,835	33,010	358,772
1983	54	8,537	2,173	452	3,686	702	2,023	95	582	18,566	34,207	154,499	36,870	47,109	272,686
1984	192	10,960	9,578	942	5,758	1,752	7,433	427	7,781	106,420	83,671	380,912	151,243	47,486	663,314
1985	920	8,426	5,330	562	3,111	1,594	9,608	165	3,899	37,948	59,603	305,845	71,563	30,295	488,295
1986	204	7,945	3,557	270	951	1,823	5,610	133	2,759	21,200	20,773	164,026	44,452	20,877	250,128
1987	84	10,150	2,274	331	670	1,221	946	126	812	28,019	23,097	97,100	44,633	22,140	186,973
1988	0	8,510	4,605	242	1,187	1,103	782	110	1,274	10,605	26,166	84,879	28,418	11,196	150,659
1989	344	3,267	1,290	298	1,019	147	429	51	812	16,440	24,900	69,130	24,097	9,362	127,814
1990	378	1,313	1,905	162	936	725	643	78	793	10,102	13,307	58,790	17,035	14,027	103,160
1991	130	3,314	1,760	45	1,439	1,473	1,128	576	2,714	8,060	11,364	102,602	20,639	17,882	152,489
1992	259	1,387	3,732	0	670	479	1,730	0	849	20,392	13,426	133,367	29,498	14,955	191,247
1993	214	2,887	3,564	16	1,418	521	514	38	616	5,875	12,687	63,799	15,663	14,694	106,843
1994	363	5,120	5,110	161	1,477	521	1,089	78	888	19,577	20,526	101,886	34,384	22,468	179,262
1995	53	8,561	6,666	169	982	2,458	634	136	514	18,106	26,687	190,000	38,279	33,302	287,852
1996	743	10,717	5,883	105	1,784	559	2,801	0	2,910	67,706	35,571	294,240	93,208	38,948	461,965
1997	1,026	15,796	8,980	239	4,982	993	2,691	212	3,135	43,869	41,462	361,048	81,923	29,034	513,469
1998	2,440	11,853	11,138	291	1,718	1,684	1,773	683	1,531	116,055	61,690	318,738	149,166	32,729	562,323
1999	436	18,885	3,219	557	809	340	288	0	427	10,149	70,986	80,239	35,110	22,318	208,653
2000	703	32,468	5,206	61	850	1,081	160	271	1,351	43,694	32,389	206,978	85,845	25,532	350,745
2001	89	35,210	3,651	114	800	449	1,162	84	624	36,699	99,300	183,107	78,882	27,334	388,626
AVERAGES:															
1961-71	257	6,639	5,393	132	2,521	664	7,096	191	5,273	21,378	47,050	222,560	49,544	32,032	351,186
1972-81	363	8,168	5,931	223	4,678	1,231	7,798	181	6,677	40,171	57,301	283,676	75,419	36,295	452,583
1982-91	306	6,827	3,547	381	2,079	1,199	3,058	208	2,302	28,572	35,705	165,874	48,479	25,338	275,429
1992-01	633	14,288	5,715	171	1,549	909	1,284	150	1,285	38,212	41,472	193,340	64,196	26,131	325,099
1961-01	386	8,924	5,152	224	2,702	992	4,865	183	3,918	31,822	45,423	216,514	59,169	30,000	351,077

ESTIMATED REGULAR SEASON TOTAL (LESSER & GREATER) SCAUP HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	598	2,726	3,217	616	1,523	536	13,880	0	6,533	35,744	52,150	169,476	65,373	31,949	318,946
1962	0	1,164	2,773	0	725	0	1,196	57	1,960	4,167	46,877	61,014	12,042	46,970	166,902
1963	201	967	4,331	68	789	896	6,142	90	3,270	24,297	58,910	181,281	41,051	41,128	322,369
1964	231	3,734	7,143	187	170	233	711	102	3,317	27,292	40,617	245,438	43,120	33,797	362,969
1965	196	8,564	7,068	92	1,173	260	7,041	353	8,185	15,130	52,258	367,907	48,062	44,817	513,044
1966	288	10,414	7,669	41	4,434	1,153	8,558	97	12,297	36,223	111,410	327,030	81,174	43,749	563,363
1967	160	4,903	4,610	51	6,090	1,486	4,226	299	5,604	20,685	113,109	287,843	48,114	80,173	529,240
1968	136	5,390	1,023	0	1,222	133	10,787	142	3,620	11,075	58,795	119,716	33,528	45,295	257,336
1969	383	12,039	7,447	133	2,788	790	5,676	102	4,268	30,067	173,392	325,953	63,693	64,905	627,942
1970	33	8,781	3,161	148	2,081	382	3,707	628	4,240	16,597	118,632	275,000	39,758	32,934	466,326
1971	824	15,018	13,157	165	7,446	1,720	18,001	234	5,779	20,194	130,855	321,863	82,538	56,151	591,407
1972	499	14,654	15,368	703	6,686	3,637	14,970	470	11,263	32,756	99,145	361,895	101,006	44,843	606,891
1973	435	5,255	4,629	296	10,955	1,814	14,427	125	21,588	84,574	81,778	465,653	144,098	60,894	752,423
1974	52	2,887	3,522	118	2,945	96	6,779	0	5,811	38,204	64,974	354,631	60,414	36,520	516,539
1975	696	5,575	3,513	189	5,285	581	7,632	204	4,529	21,690	97,959	274,818	49,894	39,253	461,923
1976	676	16,063	10,322	131	4,354	1,690	11,869	522	9,109	42,339	114,303	347,199	97,075	65,335	623,911
1977	64	9,143	630	0	2,355	1,541	6,848	0	4,486	54,435	270,372	391,165	79,502	78,208	819,243
1978	768	7,303	6,709	547	6,737	1,187	6,558	208	2,155	28,848	68,147	198,039	61,020	50,669	377,875
1979	99	1,355	4,737	39	2,924	461	4,513	254	3,196	29,605	37,334	159,521	47,183	51,730	294,702
1980	57	6,645	2,765	188	4,050	601	2,624	82	3,115	16,152	55,548	172,056	36,279	44,508	308,391
1981	282	13,395	7,333	93	1,937	1,056	4,241	240	3,832	64,295	170,061	352,902	96,704	56,023	675,692
1982	749	5,911	2,998	508	2,030	1,449	2,157	323	1,671	29,420	61,805	252,760	47,216	37,910	399,692
1983	54	8,537	2,173	452	3,864	780	2,064	95	624	18,850	62,129	185,465	37,493	62,625	347,714
1984	192	10,960	9,730	994	5,758	1,752	7,505	461	8,708	107,929	115,464	404,328	153,989	61,746	735,529
1985	967	8,426	5,330	562	3,176	1,594	9,794	198	3,950	39,083	117,074	327,017	73,080	36,692	553,863
1986	204	7,945	3,557	270	1,064	1,823	5,668	133	2,793	21,839	38,738	174,334	45,296	29,907	288,276
1987	84	10,399	2,274	331	670	1,221	1,006	126	862	29,110	46,201	108,545	46,083	32,005	232,837
1988	0	8,573	4,605	242	1,187	1,197	782	110	1,340	11,763	38,265	91,557	29,799	17,474	177,094
1989	344	3,267	1,344	298	1,074	147	456	51	812	16,621	39,306	75,751	24,414	14,410	154,205
1990	378	1,313	1,948	162	936	837	683	78	1,006	10,999	20,443	71,048	18,340	21,129	130,962
1991	130	3,314	1,845	45	1,439	1,525	1,179	663	2,857	9,572	17,867	108,144	22,569	23,005	171,587
1992	259	1,435	3,732	0	721	498	1,940	0	907	21,250	19,537	141,498	30,742	19,684	211,462
1993	230	2,992	3,657	16	1,418	521	514	38	790	6,495	21,153	75,319	16,671	21,017	134,162
1994	363	5,184	5,415	161	1,653	575	1,420	78	888	21,591	26,923	115,033	37,328	29,268	208,550
1995	53	8,619	6,737	169	982	2,458	907	136	565	22,882	41,028	209,970	43,508	47,658	341,749
1996	743	10,717	6,264	105	1,983	559	2,801	0	3,102	69,805	47,455	315,628	96,079	53,996	513,157
1997	1,026	15,796	9,137	239	5,092	993	2,875	283	3,373	55,835	51,006	384,669	94,649	46,876	577,038
1998	2,440	11,853	11,138	437	1,817	1,684	1,773	683	1,792	120,958	74,244	334,527	154,575	45,246	608,591
1999	436	19,035	3,288	557	809	340	432	0	781	12,698	81,973	89,957	38,376	34,963	245,359
2000	767	32,777	5,206	61	990	1,114	160	271	1,428	44,983	45,236	222,622	87,757	38,185	393,800
2001	89	35,500	3,651	114	800	449	1,442	228	624	37,902	108,854	192,188	80,799	39,186	421,031
AVERAGES:															
1961-71	277	6,700	5,600	136	2,586	690	7,266	191	5,370	21,952	87,000	243,866	50,768	47,443	429,077
1972-81	363	8,228	5,953	230	4,823	1,266	8,046	211	6,908	41,290	105,962	307,788	77,318	52,798	543,759
1982-91	310	6,865	3,580	386	2,120	1,233	3,129	224	2,462	29,519	55,729	179,895	49,828	33,690	319,176
1992-01	641	14,391	5,823	186	1,627	919	1,426	172	1,425	41,440	51,741	208,141	68,048	37,608	365,490
1961-01	395	8,988	5,248	232	2,784	1,019	5,023	199	4,074	33,267	75,398	235,140	61,229	42,996	414,734

ESTIMATED REGULAR SEASON RING-NECKED DUCK HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	97	566	1,043	0	627	96	2,413	0	2,751	6,383	47,372	85,889	13,976	14,317	161,553
1962	40	492	672	0	745	0	441	19	742	8,481	46,912	90,612	11,632	9,326	158,483
1963	0	571	2,713	20	72	172	1,719	43	1,592	6,773	60,648	119,718	13,675	17,524	211,565
1964	94	3,304	2,695	27	2,610	31	2,625	229	3,452	19,814	69,775	295,588	34,881	16,940	417,183
1965	0	2,827	2,715	92	672	0	3,034	115	3,878	11,699	64,900	310,220	25,032	20,812	420,964
1966	144	2,301	4,652	133	1,277	191	2,481	39	4,196	16,284	98,366	284,118	31,698	21,843	436,025
1967	0	2,085	2,513	0	2,175	348	7,362	269	9,576	8,567	111,978	259,721	32,895	27,999	432,594
1968	34	1,643	682	37	1,125	101	2,499	412	2,683	11,766	74,391	144,015	20,982	22,444	261,831
1969	307	3,381	2,707	137	2,735	84	7,500	427	6,261	23,089	87,249	214,587	46,628	26,813	375,019
1970	0	1,384	2,205	0	3,320	355	4,782	385	7,456	19,471	132,149	270,334	39,358	21,297	463,138
1971	120	2,076	3,171	69	2,980	230	4,612	269	5,414	9,476	82,669	270,959	28,417	19,288	401,333
1972	87	1,465	1,973	155	1,910	0	6,319	307	4,657	20,721	69,268	217,768	37,594	25,994	350,624
1973	251	1,000	3,817	118	4,990	723	4,378	130	9,982	19,480	87,052	187,367	44,869	20,479	339,767
1974	187	2,765	2,302	59	1,176	195	7,397	109	8,085	21,910	129,001	247,975	44,185	25,600	446,760
1975	90	1,928	3,435	97	2,631	333	8,310	919	10,014	21,554	122,346	365,292	49,311	34,554	571,502
1976	239	1,016	1,183	369	6,254	420	9,799	746	6,814	29,457	177,544	239,790	56,297	37,415	511,046
1977	200	1,640	3,093	132	2,705	253	13,651	264	14,419	26,290	99,843	253,491	62,647	21,713	437,695
1978	176	1,052	4,319	194	2,368	305	5,546	213	1,840	41,482	126,184	302,869	57,495	32,974	519,523
1979	84	2,964	5,797	200	3,333	296	1,255	552	2,932	37,082	130,512	290,150	54,495	35,896	511,053
1980	268	3,233	1,811	379	3,106	1,637	3,237	501	5,278	39,830	98,812	312,624	59,280	31,111	501,829
1981	0	506	2,004	427	2,492	1,582	4,575	150	8,994	23,389	91,800	203,510	44,119	31,848	370,724
1982	50	1,794	2,838	816	2,994	1,058	2,950	953	6,891	44,593	92,768	156,424	64,937	26,408	340,539
1983	223	1,820	3,121	440	3,507	868	6,830	610	5,197	37,062	121,566	252,835	59,678	41,397	475,478
1984	76	2,560	2,545	361	2,166	827	8,303	887	7,482	27,808	145,606	261,152	53,015	32,194	451,969
1985	587	2,467	3,030	181	3,089	1,221	2,874	359	5,007	17,864	78,012	260,052	36,679	29,558	404,300
1986	129	3,764	4,118	177	1,616	799	3,761	1,299	3,706	23,766	104,439	245,252	43,135	28,410	421,177
1987	152	4,139	2,340	157	2,667	1,053	3,021	532	5,107	27,531	112,757	185,660	46,699	34,258	379,374
1988	0	633	997	26	833	136	514	207	1,963	11,449	91,541	80,823	16,758	17,925	207,046
1989	169	1,173	1,408	44	995	283	1,581	152	1,648	17,742	80,900	105,591	25,195	24,496	235,778
1990	88	1,491	516	78	933	539	1,556	50	2,146	24,879	78,440	120,060	32,276	21,831	252,606
1991	155	852	1,048	24	486	276	813	791	2,366	16,661	92,151	133,829	23,472	17,897	267,349
1992	205	908	1,362	38	720	288	2,607	168	2,809	16,804	83,275	174,208	25,909	28,157	311,550
1993	0	1,779	2,974	301	976	476	1,647	299	3,312	24,817	86,742	191,283	36,581	28,673	343,281
1994	989	3,384	3,449	368	1,798	688	2,125	248	3,373	30,893	69,681	197,978	47,315	38,774	353,747
1995	205	3,933	3,444	228	2,136	2,197	4,417	1,295	5,670	34,045	138,884	280,923	57,570	43,450	520,827
1996	35	2,677	2,186	629	1,374	489	2,074	792	7,710	24,938	122,415	177,416	42,904	42,403	385,139
1997	870	11,864	3,896	396	3,758	704	4,942	555	8,752	47,329	143,573	316,716	83,066	55,236	598,592
1998	512	9,652	3,461	345	5,433	1,488	4,868	2,232	18,342	51,844	191,913	342,462	98,177	61,860	694,413
1999	0	8,303	8,142	959	1,238	1,303	5,154	1,947	10,719	39,309	174,982	243,072	77,074	39,917	535,046
2000	80	11,033	3,659	61	2,116	993	1,722	313	10,331	68,345	101,867	223,524	98,653	31,491	455,535
2001	1,111	9,121	4,011	108	2,355	728	3,513	271	6,004	54,534	97,210	206,141	81,756	34,605	419,712
AVERAGES:															
1961-71	76	1,875	2,343	47	1,667	146	3,588	201	4,364	12,891	79,674	213,251	27,198	19,873	339,972
1972-81	158	1,757	2,973	213	3,097	574	6,447	389	7,302	28,120	113,236	262,084	51,029	29,758	456,052
1982-91	163	2,069	2,196	230	1,929	706	3,220	584	4,151	24,936	99,818	180,168	40,184	27,437	343,562
1992-01	401	6,265	3,658	343	2,190	935	3,307	812	7,702	39,286	121,054	235,372	64,901	40,457	461,784
1961-01	196	2,965	2,782	204	2,207	580	4,127	489	5,843	25,981	102,866	222,488	45,374	29,149	398,870

ESTIMATED REGULAR SEASON COMMON GOLDENEYE HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	214	0	250	0	0	668	414	105	0	635	13,275	5,906	2,286	17,199	38,666
1962	0	45	0	0	0	29	0	95	110	92	14,022	6,481	371	15,195	36,070
1963	0	0	0	290	0	655	0	219	281	289	16,088	8,005	1,734	17,334	43,162
1964	28	71	0	509	126	657	366	1,111	149	952	18,807	19,145	3,969	21,374	63,295
1965	0	0	517	31	392	144	119	738	0	299	20,805	28,118	2,240	20,299	71,462
1966	213	141	1,131	411	653	1,241	491	214	1,059	757	18,912	40,830	6,311	22,355	88,406
1967	318	813	176	536	504	1,056	79	88	416	862	22,421	32,606	4,848	29,156	89,029
1968	44	197	114	76	589	347	556	365	404	0	20,382	17,754	2,692	19,275	60,102
1969	0	421	369	756	667	748	612	23	385	788	22,871	38,097	4,769	32,563	98,298
1970	67	0	377	384	778	622	895	540	620	778	23,100	36,453	5,061	32,846	98,304
1971	171	146	615	152	112	1,872	1,502	132	530	357	26,128	36,450	5,589	17,069	85,237
1972	66	0	125	207	725	1,240	633	286	571	389	31,977	51,512	4,242	13,117	100,847
1973	688	114	201	750	103	874	720	0	382	673	20,128	24,832	4,505	17,123	66,590
1974	52	0	557	394	651	789	1,059	301	87	1,384	14,354	32,103	5,274	20,800	72,530
1975	873	0	447	1,606	502	1,524	1,574	0	1,296	322	14,964	35,560	8,144	18,239	76,907
1976	660	0	0	1,145	1,214	484	311	226	853	2,032	21,589	41,501	6,925	18,802	88,816
1977	128	0	361	748	481	521	1,065	394	575	1,496	18,369	21,233	5,769	25,608	70,981
1978	650	0	180	1,247	1,291	1,488	1,286	743	522	1,078	23,926	30,428	8,485	31,238	94,078
1979	661	0	87	554	491	1,068	2,765	190	859	1,710	21,247	30,810	8,385	33,713	94,154
1980	506	265	111	436	341	233	247	0	269	1,056	22,961	34,740	3,464	19,617	80,781
1981	139	0	247	1,058	210	1,523	1,479	224	391	2,008	19,140	22,696	7,279	13,417	62,532
1982	631	0	427	431	1,146	188	1,032	445	135	969	15,301	22,638	5,404	21,623	64,965
1983	83	0	163	425	178	886	1,136	271	1,293	1,284	18,034	16,572	5,719	19,531	59,857
1984	199	0	201	362	745	487	760	149	1,598	1,150	24,707	33,005	5,651	36,826	100,191
1985	256	181	228	763	1,105	378	884	197	1,837	1,356	22,611	24,005	7,185	19,806	73,605
1986	105	0	224	970	213	496	215	155	155	540	20,100	22,813	3,073	18,120	64,936
1987	169	0	77	423	335	818	357	147	337	480	11,539	16,152	3,143	13,176	44,009
1988	276	0	84	218	60	511	328	41	384	634	9,087	12,125	2,536	7,672	31,421
1989	164	0	70	377	647	382	330	226	587	675	12,790	15,255	3,458	6,913	38,416
1990	203	121	74	202	69	817	170	73	504	661	12,762	13,176	2,894	7,609	36,443
1991	1,231	0	56	953	340	801	524	72	453	1,148	9,319	14,961	5,578	9,542	39,399
1992	74	48	298	554	362	619	336	19	131	254	9,309	12,254	2,695	10,661	34,920
1993	246	192	304	441	185	285	615	38	371	373	12,552	19,885	3,050	10,442	45,930
1994	520	218	114	420	347	464	247	132	444	760	11,129	16,728	3,666	22,596	54,120
1995	677	131	1,837	697	850	1,493	982	0	591	1,341	18,434	39,804	8,599	27,372	94,209
1996	482	101	407	830	1,162	3,333	957	16	537	1,405	18,758	30,715	9,230	41,482	100,186
1997	647	622	325	844	1,276	2,414	616	67	324	952	13,204	31,758	8,087	24,917	77,965
1998	670	379	786	146	1,673	4,498	797	122	265	1,568	12,855	17,061	10,904	47,611	88,430
1999	124	474	206	67	67	340	871	397	0	1,013	10,757	19,853	3,561	14,614	48,784
2000	513	0	250	993	648	1,505	2,618	35	0	438	10,991	12,108	7,000	17,780	47,880
2001	1,002	1,001	57	1,150	87	845	1,451	0	939	1,955	6,893	18,197	8,487	12,830	46,407
AVERAGES:															
1961-71	96	167	323	286	347	731	458	330	359	528	19,710	24,531	3,625	22,242	70,185
1972-81	442	38	232	815	601	974	1,114	236	581	1,215	20,866	32,542	6,247	21,167	80,822
1982-91	332	30	160	512	484	576	574	178	728	890	15,625	19,070	4,464	16,082	55,324
1992-01	496	317	458	614	666	1,580	949	83	360	1,006	12,488	21,836	6,528	23,031	63,883
1961-01	335	139	294	550	520	960	766	210	504	900	17,234	24,496	5,177	20,670	67,618

ESTIMATED REGULAR SEASON RUDDY DUCK HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	GEN FLYWAY	PAC FLYWAY	U.S.
1961	82	0	0	0	0	0	790	166	536	518	2,245	3,751	2,092	27,278	35,367
1962	0	145	374	0	150	34	204	0	92	212	3,672	6,152	1,211	21,876	32,910
1963	0	289	431	0	143	34	430	102	184	521	4,648	8,092	2,134	30,028	44,902
1964	55	416	653	62	0	0	186	68	149	508	8,638	14,339	2,097	22,976	48,051
1965	0	1,745	887	0	0	100	1,002	80	1,553	1,399	3,119	21,112	6,766	28,032	59,028
1966	0	458	845	163	766	44	1,277	320	1,045	2,325	11,715	18,558	7,243	33,479	70,995
1967	0	1,128	2,524	0	0	306	385	125	278	0	8,470	12,155	4,746	29,643	55,014
1968	0	814	227	115	0	164	312	0	0	0	4,996	6,026	1,632	15,154	27,809
1969	0	1,137	2,319	376	601	191	1,358	46	710	15,398	10,077	27,945	22,136	27,080	87,238
1970	33	362	1,793	593	2,931	228	2,863	190	445	2,882	5,426	26,921	12,320	47,897	92,563
1971	0	1,166	1,106	412	1,563	170	3,729	209	863	4,189	12,227	25,379	13,407	46,677	97,691
1972	0	3,418	986	0	1,156	239	4,279	0	429	7,948	10,904	37,419	18,455	51,860	118,637
1973	138	0	2,747	0	521	274	775	0	85	4,246	16,888	22,597	8,786	24,807	73,078
1974	52	550	610	118	0	246	621	62	608	2,288	9,817	15,476	5,155	32,340	62,786
1975	0	1,644	382	195	720	46	983	786	829	2,185	16,220	22,388	7,770	25,296	71,673
1976	0	1,715	2,424	285	1,686	484	2,187	0	284	1,894	11,600	21,755	10,959	43,423	86,656
1977	0	0	485	0	773	95	306	0	91	1,506	6,004	10,451	3,256	19,227	38,938
1978	0	514	2,633	0	0	0	91	393	331	1,719	6,943	25,304	5,681	26,271	64,198
1979	0	596	1,998	34	450	0	808	174	1,258	11,764	8,356	26,818	17,082	20,592	72,848
1980	0	907	221	32	156	349	433	0	182	1,299	6,896	13,180	3,579	24,203	47,858
1981	0	457	668	110	0	111	0	0	194	955	5,332	18,147	2,495	19,040	45,014
1982	0	2,133	356	0	237	94	436	163	67	623	4,309	23,894	4,109	17,272	49,583
1983	311	776	631	347	1,258	78	300	0	460	3,201	14,511	19,849	7,362	26,574	68,298
1984	40	1,484	1,544	100	357	409	558	273	449	6,715	8,491	27,926	11,929	16,670	65,016
1985	0	91	1,043	108	94	335	178	196	72	2,883	6,770	9,038	5,000	10,026	30,833
1986	25	514	886	40	865	163	830	48	58	1,497	4,057	10,416	4,926	9,840	29,240
1987	0	525	892	73	247	0	0	154	50	1,472	4,593	6,211	3,413	5,186	19,403
1988	0	0	130	0	0	86	0	0	57	277	5,395	1,968	550	3,599	11,512
1989	0	268	509	122	0	93	27	25	0	386	5,500	2,477	1,430	5,280	11,022
1990	74	112	43	41	315	80	0	10	71	165	1,721	3,131	911	4,022	9,785
1991	0	64	169	22	162	49	0	0	50	175	2,546	4,392	691	4,334	11,963
1992	86	358	295	0	0	152	61	0	0	115	440	2,612	1,067	3,537	7,655
1993	0	320	1,502	0	183	456	83	0	0	575	1,684	4,683	3,119	3,838	13,324
1994	0	429	606	170	385	143	97	0	202	666	3,613	4,845	2,698	4,295	15,450
1995	167	1,188	1,680	462	489	0	179	0	460	1,991	8,086	11,793	6,616	3,680	30,175
1996	0	1,271	311	137	304	587	165	0	110	1,757	13,385	18,486	4,642	7,286	43,799
1997	0	491	149	583	711	145	62	71	1,261	2,466	25,175	40,036	5,939	14,060	85,209
1998	0	1,012	485	1,082	87	0	0	27	700	9,687	13,300	20,947	13,080	14,460	61,787
1999	0	960	1,115	273	152	340	288	0	214	1,705	26,309	13,959	5,047	19,147	64,462
2000	0	964	1,001	0	429	260	467	0	155	2,777	9,058	5,408	6,053	2,746	23,265
2001	0	1,815	1,019	0	396	49	0	0	227	877	5,566	5,353	4,383	5,407	20,709
AVERAGES:															
1961-71	15	696	1,014	156	559	116	1,140	119	532	2,541	6,839	15,494	6,889	30,011	59,233
1972-81	19	980	1,315	77	546	184	1,048	142	429	3,580	9,896	21,354	8,322	28,706	68,169
1982-91	45	597	620	85	354	139	233	87	133	1,739	5,789	10,930	4,032	10,280	30,666
1992-01	25	881	816	271	314	213	140	10	333	2,262	10,662	12,812	5,264	7,846	36,584
1961-01	26	786	943	148	446	162	652	90	361	2,531	8,261	15,156	6,146	19,474	48,921

ESTIMATED REGULAR SEASON HOODED MERGANSER HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	0	0	0	0	0	0	352	0	268	66	9,793	10,248	686	1,611	22,338
1962	0	0	0	0	73	0	25	0	0	255	11,892	7,247	353	1,520	21,011
1963	34	0	46	0	0	34	137	0	120	1,073	15,013	13,769	1,444	1,689	31,916
1964	0	241	131	0	0	0	0	0	122	1,693	11,543	14,257	2,187	1,226	29,213
1965	0	0	258	0	0	0	488	18	268	3,447	15,809	29,308	4,479	925	50,522
1966	0	141	271	0	133	0	258	0	742	1,939	14,168	28,201	3,484	1,324	47,176
1967	0	0	0	0	0	0	132	0	0	1,598	17,858	24,316	1,730	1,545	45,450
1968	0	98	0	0	0	0	101	0	0	827	24,263	14,363	1,026	2,791	42,561
1969	0	138	0	0	108	0	326	21	784	1,474	17,334	17,529	2,851	2,419	40,134
1970	0	351	0	0	0	0	194	0	461	2,681	29,119	33,192	3,687	3,315	69,315
1971	0	0	767	69	133	0	1,354	128	615	2,289	21,776	25,214	5,355	2,605	54,948
1972	0	0	0	0	144	0	437	0	561	1,025	15,082	34,009	2,167	7,928	59,186
1973	0	0	0	0	116	0	291	0	99	1,913	15,423	26,098	2,419	1,476	45,415
1974	0	757	524	0	0	195	140	0	174	2,858	17,353	29,811	4,648	2,528	54,340
1975	0	0	0	0	63	98	0	0	394	934	19,580	26,288	1,489	1,245	48,602
1976	0	0	748	0	0	0	340	74	577	2,409	21,419	37,487	4,148	2,582	65,637
1977	64	242	0	0	0	0	176	0	793	2,325	24,535	39,064	3,600	3,457	70,656
1978	0	0	337	0	504	0	0	192	673	1,914	21,065	41,910	3,620	3,133	69,728
1979	0	238	0	44	102	0	0	0	405	887	17,900	28,751	1,676	1,606	49,933
1980	0	466	110	0	0	0	351	0	1,059	3,196	20,126	35,051	5,182	1,933	62,292
1981	0	162	261	0	79	0	452	0	861	3,543	20,073	34,826	5,358	2,768	63,024
1982	0	486	102	0	0	0	173	33	297	2,138	25,191	24,207	3,229	1,782	54,408
1983	0	107	126	0	0	0	103	30	50	1,455	19,494	24,167	1,871	3,019	48,552
1984	40	73	0	0	151	0	238	0	905	3,114	18,518	31,258	4,521	2,865	57,163
1985	0	124	300	0	188	0	263	0	1,295	1,206	21,744	26,718	3,376	2,615	54,453
1986	0	553	82	0	113	81	161	0	421	2,709	20,845	31,214	4,120	2,704	58,883
1987	28	192	87	0	127	47	264	21	334	2,217	21,416	20,378	3,317	4,653	49,765
1988	0	113	237	0	166	0	167	85	353	1,587	14,846	16,098	2,708	1,762	35,414
1989	0	53	124	22	110	63	27	0	606	1,652	14,900	17,056	2,657	2,006	37,330
1990	0	0	148	0	254	40	139	10	671	2,665	15,600	21,781	3,927	1,424	44,014
1991	0	0	283	0	0	0	77	87	497	1,043	17,000	25,777	1,987	1,707	44,721
1992	0	146	829	0	53	0	210	19	278	2,510	16,578	22,030	4,045	2,377	45,030
1993	91	497	624	0	62	0	195	0	514	2,295	16,758	27,568	4,278	2,040	50,644
1994	0	68	619	0	0	0	330	0	258	2,500	17,791	34,379	3,775	2,450	58,395
1995	0	577	25	0	0	127	344	0	908	4,475	25,914	41,180	6,456	2,166	75,716
1996	0	644	350	0	300	200	172	376	1,504	4,573	28,031	41,618	8,119	3,417	81,187
1997	0	882	447	0	476	145	295	71	1,564	3,611	29,537	51,534	7,491	2,448	91,010
1998	0	107	659	0	0	199	472	0	792	6,407	33,078	43,554	8,636	2,342	87,610
1999	0	637	299	0	84	0	666	0	1,277	7,365	30,017	42,358	10,328	3,638	86,341
2000	0	832	369	61	140	137	487	0	1,365	4,806	41,279	36,333	8,197	4,104	89,912
2001	182	415	205	0	619	140	858	42	1,529	4,937	28,897	39,630	8,927	3,908	81,363
AVERAGES:															
1961-71	3	88	134	6	41	3	306	15	307	1,577	17,143	19,786	2,480	1,906	41,326
1972-81	6	187	198	4	101	29	219	27	560	2,100	19,256	33,330	3,431	2,866	58,881
1982-91	7	170	149	2	111	23	161	27	543	1,979	18,955	23,865	3,171	2,454	48,470
1992-01	27	481	443	6	173	95	403	51	999	4,348	26,788	38,018	7,025	2,889	74,721
1961-01	11	228	228	5	105	37	273	29	595	2,478	20,453	28,531	3,989	2,513	55,495

ESTIMATED REGULAR SEASON ALL-DUCK HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	42,807	77,645	89,213	20,372	110,662	55,072	114,909	9,733	60,812	207,045	737,797	1,746,664	788,270	2,065,942	5,338,674
1962	5,761	92,525	78,764	3,637	33,098	15,892	34,113	3,644	23,489	137,124	742,001	1,129,236	428,047	1,947,669	4,246,952
1963	24,012	169,694	215,019	8,729	102,066	65,130	88,626	22,571	38,920	267,603	904,989	2,505,346	1,002,370	2,832,145	7,244,850
1964	36,872	211,356	166,572	18,767	139,472	54,124	117,789	17,365	88,710	456,943	993,673	3,536,814	1,307,970	2,529,739	8,368,195
1965	15,647	201,104	146,213	3,571	81,516	43,145	100,066	15,465	72,388	400,152	1,021,381	3,311,395	1,079,267	2,914,210	8,326,253
1966	26,332	325,507	259,599	20,242	165,174	80,548	142,607	27,053	141,617	771,140	1,400,463	4,721,382	1,959,819	3,570,031	11,651,693
1967	20,723	318,969	264,340	21,409	258,326	124,698	269,028	26,075	185,589	538,559	1,331,249	4,506,431	2,027,716	4,438,085	12,303,519
1968	22,922	210,959	122,243	23,021	141,350	75,157	150,432	24,708	70,239	381,415	1,372,042	2,383,571	1,222,446	3,095,047	8,073,108
1969	42,660	365,039	268,945	23,874	256,397	97,837	228,764	21,162	144,383	953,169	1,802,324	4,278,100	2,402,230	4,108,147	12,590,800
1970	47,012	389,195	252,998	36,162	303,315	137,520	297,430	32,356	173,670	1,161,083	1,980,004	6,175,727	2,830,741	4,480,095	15,466,567
1971	56,382	444,910	372,574	42,531	302,114	207,854	430,043	26,981	197,489	622,535	1,720,112	5,207,094	2,703,413	4,048,995	13,679,614
1972	43,425	415,799	327,477	36,307	287,219	169,098	397,406	30,078	215,619	953,744	1,644,626	4,836,154	2,876,172	3,964,178	13,321,131
1973	29,788	229,019	304,813	35,307	300,560	148,498	336,676	12,685	225,240	740,770	1,547,224	4,421,361	2,363,356	3,305,771	11,637,713
1974	33,134	362,037	145,780	25,513	117,831	97,707	259,964	34,475	195,918	833,100	1,732,735	5,058,475	2,105,459	3,656,619	12,553,287
1975	51,866	376,527	198,987	52,214	244,198	111,415	262,389	47,638	251,281	1,200,284	1,858,134	6,387,671	2,796,799	4,091,352	15,133,956
1976	56,148	363,902	151,599	40,750	254,325	155,244	286,997	54,583	215,983	1,103,154	2,093,430	5,843,488	2,682,685	4,256,234	14,875,837
1977	34,311	195,996	148,943	42,252	257,665	108,796	336,151	31,145	213,295	968,004	1,881,897	5,794,186	2,336,558	3,192,856	13,205,499
1978	43,284	430,218	420,750	47,934	309,368	123,347	242,964	35,902	149,353	1,053,802	1,945,886	6,115,036	2,856,922	4,099,463	15,017,306
1979	37,711	393,753	271,192	42,154	243,461	108,190	213,482	35,991	157,350	1,084,387	1,849,473	6,197,222	2,587,671	3,475,543	14,109,910
1980	26,428	256,112	161,174	37,405	188,338	102,323	127,421	26,860	128,405	959,897	1,936,276	5,711,975	2,014,363	3,309,769	12,972,384
1981	22,944	287,814	134,231	39,104	217,793	130,285	167,147	21,624	137,749	799,215	1,889,873	5,286,085	1,957,906	2,774,025	11,907,889
1982	37,974	252,008	135,929	45,492	221,743	122,990	139,203	40,408	137,114	1,002,622	1,608,550	4,715,069	2,135,483	2,986,226	11,445,327
1983	38,138	254,172	189,650	47,341	247,740	132,763	179,435	38,821	121,877	809,762	1,692,424	5,580,800	2,059,699	3,157,716	12,544,521
1984	28,975	226,314	256,238	47,987	228,848	123,625	146,988	36,260	197,353	925,689	1,810,352	5,525,972	2,218,277	2,568,014	12,122,616
1985	28,329	134,958	136,212	28,330	155,581	89,404	121,045	23,693	144,230	560,041	1,400,567	3,965,719	1,421,823	2,357,709	9,145,816
1986	28,586	216,438	172,222	34,464	157,964	87,066	132,180	18,125	116,895	548,713	1,412,574	3,982,314	1,512,653	2,251,474	9,159,015
1987	19,859	234,451	132,822	27,925	150,526	82,405	107,777	30,630	140,392	716,529	1,388,608	3,605,017	1,643,316	2,202,785	8,839,727
1988	9,905	68,609	76,271	16,429	73,577	60,202	57,251	13,461	75,139	297,673	1,001,183	1,934,752	748,517	1,327,442	5,011,892
1989	13,892	85,268	86,869	18,066	80,555	62,307	61,278	12,793	67,190	430,460	1,156,905	2,597,304	918,678	1,544,821	6,217,708
1990	16,248	68,577	67,102	17,599	104,143	57,790	60,284	8,934	81,322	428,006	1,086,419	2,609,746	910,005	1,549,872	6,156,043
1991	14,951	60,741	93,023	12,171	74,971	45,236	54,124	19,829	62,246	316,044	1,182,949	2,835,303	753,336	1,434,315	6,205,903
1992	34,959	68,106	99,491	14,185	94,053	54,154	77,837	13,360	78,779	312,344	1,009,813	2,883,483	847,268	1,530,223	6,270,788
1993	15,603	126,818	108,256	17,969	93,724	52,140	61,606	15,894	82,893	397,578	1,105,101	2,958,207	972,481	1,768,349	6,804,138
1994	40,097	210,741	128,654	23,017	117,462	80,308	81,320	13,313	96,960	596,824	1,150,956	3,798,182	1,388,696	1,952,005	8,289,838
1995	41,460	299,244	202,499	36,884	182,363	122,857	97,111	28,479	163,126	777,801	1,722,363	6,188,924	1,951,824	2,611,655	12,474,764
1996	45,818	333,960	217,868	33,388	169,655	143,754	136,069	19,591	218,712	921,571	1,559,132	6,401,111	2,240,386	3,101,523	13,302,151
1997	56,821	454,489	237,808	45,283	231,623	165,230	185,554	39,642	280,550	1,136,262	1,853,239	7,443,400	2,833,262	3,267,395	15,397,293
1998	55,578	399,280	285,304	41,489	253,523	171,941	231,866	38,187	290,515	1,439,560	1,946,452	7,677,185	3,207,243	3,570,132	16,401,011
1999	38,566	448,763	253,170	33,290	143,467	108,224	212,900	57,481	247,599	1,149,799	1,972,498	7,892,102	2,693,259	2,763,651	15,321,510
2000	32,263	583,558	248,577	40,337	257,601	97,112	236,277	38,051	306,133	1,267,966	1,819,327	7,335,781	3,107,874	2,343,271	14,606,252
2001	43,670	693,434	289,154	43,578	216,351	109,881	235,019	31,534	255,394	1,323,258	1,576,177	6,264,756	3,241,273	2,233,573	13,315,779
AVERAGES:															
1961-71	31,012	255,173	203,316	20,210	172,135	86,998	179,437	20,647	108,846	536,070	1,273,276	3,591,069	1,613,844	3,275,464	9,753,657
1972-81	37,904	331,118	226,495	39,894	242,076	125,490	263,060	33,098	189,019	969,636	1,837,955	5,565,165	2,457,789	3,612,581	13,473,491
1982-91	23,686	160,154	134,634	29,580	149,565	86,379	105,957	24,295	114,376	603,554	1,374,053	3,735,200	1,432,179	2,138,037	8,684,857
1992-01	40,484	361,839	207,078	32,942	175,982	110,560	155,556	29,553	202,066	932,296	1,571,506	5,884,313	2,248,357	2,514,178	12,218,352
1961-01	33,216	276,537	193,135	30,402	184,627	101,982	176,086	26,746	152,486	754,918	1,508,321	4,667,038	1,930,135	2,894,587	11,001,396

ESTIMATED REGULAR SEASON TOTAL DUCK HARVESTS IN THE CENTRAL FLYWAY (CF)--LOW PLAINS ¹ (Mail Questionnaire Survey)

YR	ND	SD	NE	KS	OK	TX	SUBTOTAL	CF TOTAL	% LOW PLAINS
1963	169,290	197,390	53,325	77,483	38,920	229,354	765,762	1,002,370	76.40%
1964	210,030	145,890	87,723	107,663	88,710	416,855	1,056,871	1,307,970	80.80%
1965	200,149	131,251	56,508	90,512	72,114	371,000	921,534	1,079,267	85.39%
1966	325,130	218,990	128,497	122,584	141,142	710,209	1,646,552	1,959,819	84.02%
1967	318,399	212,130	216,563	247,387	185,372	489,932	1,669,783	2,027,716	82.35%
1968	209,892	108,684	102,780	138,648	69,771	348,613	978,388	1,222,446	80.04%
1969	364,246	248,914	150,916	213,939	144,190	875,812	1,998,017	2,402,230	83.17%
1970	387,440	220,445	210,775	271,438	173,574	1,085,564	2,349,236	2,830,741	82.99%
1971	444,301	343,245	219,155	410,053	196,102	572,722	2,185,578	2,703,413	80.85%
1972	415,342	283,982	211,914	382,329	215,315	870,405	2,379,287	2,876,172	82.72%
1973	225,095	265,551	219,386	325,240	222,219	622,288	1,879,779	2,363,356	79.54%
1974	358,704	129,890	78,086	250,937	194,544	746,762	1,758,923	2,105,459	83.54%
1975	373,186	143,533	185,606	248,929	249,808	1,059,647	2,260,709	2,796,799	80.83%
1976	361,545	106,334	193,837	266,445	214,901	958,794	2,101,856	2,682,685	78.35%
1977	194,686	123,644	215,698	326,867	212,748	853,985	1,927,628	2,336,558	82.50%
1978	427,563	356,453	239,179	234,136	149,115	937,322	2,343,768	2,856,922	82.04%
1979	391,523	242,954	205,522	201,979	156,880	980,820	2,179,678	2,587,671	84.23%
1980	253,897	145,182	149,767	124,048	128,044	880,310	1,681,248	2,014,363	83.46%
1981	286,095	109,413	170,735	155,016	137,560	745,058	1,603,877	1,957,906	81.92%
1982	249,143	106,799	177,098	131,458	136,912	957,374	1,758,784	2,135,483	82.36%
1983	251,573	161,800	186,470	172,828	121,410	756,756	1,650,837	2,059,699	80.15%
1984	226,314	228,503	188,482	133,411	197,353	825,220	1,799,283	2,218,277	81.11%
1985	134,958	121,176	121,185	113,418	144,230	523,472	1,158,439	1,421,823	81.48%
1986	216,438	151,993	123,718	125,309	116,895	495,083	1,229,436	1,512,653	81.28%
1987	234,451	107,315	103,458	103,443	140,392	628,473	1,317,532	1,643,316	80.18%
1988	68,609	64,577	47,150	52,074	75,139	257,522	565,071	748,517	75.49%
1989	85,268	77,987	58,173	55,152	67,190	389,946	733,716	918,678	79.87%
1990	68,577	58,746	81,072	55,088	81,322	400,808	745,613	910,005	81.94%
1991	60,741	81,016	51,161	51,351	62,246	294,377	600,892	753,336	79.76%
1992	68,106	85,278	62,918	74,001	78,779	283,584	652,666	847,268	77.03%
1993	126,818	93,753	66,379	61,008	82,893	373,874	804,725	972,481	82.75%
1994	210,741	106,401	93,867	79,931	96,960	565,576	1,153,476	1,388,696	83.06%
1995	299,244	173,944	139,927	89,150	163,126	716,294	1,581,685	1,951,824	81.04%
1996	333,960	192,721	133,611	130,123	218,712	864,198	1,873,325	2,240,386	83.62%
1997	454,489	202,062	186,648	178,962	280,550	1,009,565	2,312,276	2,833,262	81.61%
1998	399,280	243,977	216,376	227,695	290,515	1,387,472	2,765,315	3,207,243	86.22%
1999	448,763	219,888	105,200	205,560	247,599	1,082,030	2,309,040	2,693,259	85.73%
2000	583,558	214,973	220,128	229,738	306,133	1,214,735	2,769,265	3,107,874	89.10%
2001	693,434	265,492	175,170	233,748	255,394	1,245,762	2,869,000	3,241,273	88.51%
AVERAGES:									
1963-71	292,097	202,993	136,249	186,634	123,322	566,673	1,507,969	1,837,330	81.78%
1972-81	328,764	190,694	186,973	251,593	188,113	865,539	2,011,675	2,457,789	81.91%
1982-91	159,607	115,991	113,797	99,353	114,309	552,903	1,155,960	1,432,179	80.36%
1992-01	361,839	179,849	140,022	150,992	202,066	874,309	1,909,077	2,248,357	83.87%
1963-01	285,410	171,597	144,466	171,771	157,815	718,656	1,649,714	1,997,929	81.98%

¹ Excludes a small % of the harvest for which area of harvest was unknown. Includes a small proportion of harvest (about 2% of total State harvest) occurring in the High Plains area of Oklahoma.

ESTIMATED REGULAR SEASON TOTAL DUCK HARVESTS IN THE CENTRAL FLYWAY (CF)--HIGH PLAINS¹ (Mail Questionnaire Survey)

YR	MT	SD	WY	NE	CO	KS	NM	TX	SUBTOTAL	CF TOTAL	% HIGH PLAINS
1963	24,012	16,871	8,729	24,730	65,130	11,078	22,571	37,462	210,583	1,002,370	21.01%
1964	36,872	20,272	18,767	51,722	54,124	10,126	17,365	37,390	246,638	1,307,970	18.86%
1965	15,647	14,715	3,571	24,527	43,145	9,511	15,465	26,901	153,482	1,079,267	14.22%
1966	26,332	39,333	20,242	34,985	80,548	19,580	27,053	57,478	305,551	1,959,819	15.59%
1967	20,723	50,679	21,409	41,014	124,698	20,219	26,075	46,937	351,754	2,027,716	17.35%
1968	22,922	13,446	23,021	38,570	75,157	11,686	24,708	29,564	239,074	1,222,446	19.56%
1969	42,660	19,540	23,874	104,571	97,837	14,029	21,162	55,393	379,066	2,402,230	15.78%
1970	47,012	32,553	36,162	92,412	137,520	25,639	32,356	72,689	495,990	2,830,741	17.52%
1971	56,382	28,590	42,531	81,233	207,854	19,805	26,981	47,744	511,120	2,703,413	18.91%
1972	43,425	42,600	36,307	74,339	169,098	14,881	30,078	81,066	491,794	2,876,172	17.10%
1973	29,788	36,584	35,307	79,695	148,498	10,951	12,685	115,076	468,584	2,363,356	19.83%
1974	33,134	14,992	25,513	39,621	97,707	8,181	34,475	83,661	337,284	2,105,459	16.02%
1975	51,866	51,258	52,214	57,626	111,415	12,559	47,638	136,289	520,865	2,796,799	18.62%
1976	56,148	44,084	40,750	60,488	155,244	19,522	54,583	140,237	571,056	2,682,685	21.29%
1977	34,311	24,606	42,252	39,381	108,796	6,589	31,145	106,219	393,299	2,336,558	16.83%
1978	43,284	63,622	47,934	69,803	123,347	6,257	35,902	111,580	501,729	2,856,922	17.56%
1979	37,711	25,897	42,154	35,926	108,190	10,446	35,991	96,800	393,115	2,587,671	15.19%
1980	26,428	15,881	37,405	38,229	102,323	2,500	26,860	77,335	326,961	2,014,363	16.23%
1981	22,944	24,190	39,104	46,665	130,285	10,024	21,624	50,312	345,148	1,957,906	17.63%
1982	37,974	27,734	45,492	42,528	122,990	7,475	40,408	39,357	363,958	2,135,483	17.04%
1983	38,138	27,442	47,341	60,570	132,763	6,018	38,821	52,757	403,850	2,059,699	19.61%
1984	28,975	22,397	47,987	39,506	123,625	12,314	36,260	90,941	402,005	2,218,277	18.12%
1985	28,329	14,737	28,330	31,599	89,404	7,257	23,693	36,115	259,464	1,421,823	18.25%
1986	28,586	19,301	34,464	34,246	87,066	6,730	18,125	46,633	275,151	1,512,653	18.19%
1987	19,859	25,431	27,925	46,860	82,405	3,581	30,630	85,539	322,230	1,643,316	19.61%
1988	9,905	11,643	16,429	26,221	60,202	5,121	13,461	36,710	179,692	748,517	24.01%
1989	13,892	8,617	18,066	22,123	62,307	5,931	12,793	37,961	181,690	918,678	19.78%
1990	16,248	8,013	17,599	22,434	57,790	4,892	8,934	24,635	160,545	910,005	17.64%
1991	14,951	10,956	12,171	20,690	45,236	2,538	19,829	17,275	143,646	753,336	19.07%
1992	34,959	14,159	14,185	30,929	54,154	3,274	13,360	34,349	199,369	847,268	23.53%
1993	15,603	13,537	17,969	26,676	52,140	148	15,894	19,082	161,049	972,481	16.56%
1994	40,097	22,090	23,017	22,734	80,308	1,122	13,313	25,861	228,542	1,388,696	16.46%
1995	41,460	28,032	36,884	39,749	122,857	6,511	28,479	55,494	359,466	1,951,824	18.42%
1996	45,818	20,218	33,388	35,437	143,754	5,897	19,591	49,808	353,911	2,240,386	15.80%
1997	56,821	35,459	45,283	43,391	165,230	5,356	39,642	120,915	512,097	2,833,262	18.07%
1998	55,578	40,952	41,489	36,083	171,941	3,610	38,187	44,516	432,356	3,207,243	13.48%
1999	38,566	30,733	33,290	37,458	108,224	6,477	57,481	62,190	374,419	2,693,259	13.90%
2000	32,263	33,244	40,337	37,333	97,112	4,945	38,051	48,109	331,394	3,107,874	10.66%
2001	43,670	23,534	43,578	41,181	109,881	258	31,534	67,423	361,059	3,241,273	11.14%
AVERAGES:											
1963-71	32,507	26,222	22,034	54,863	98,446	15,741	23,748	45,729	321,473	1,837,330	17.50%
1972-81	37,904	34,371	39,894	54,177	125,490	10,191	33,098	99,858	434,984	2,457,789	17.70%
1982-91	23,686	17,627	29,580	34,678	86,379	6,186	24,295	46,792	269,223	1,432,179	18.80%
1992-01	40,484	26,196	32,942	35,097	110,560	3,760	29,553	52,775	331,366	2,248,357	14.74%
1963-01	33,674	26,101	31,345	44,443	105,392	8,796	27,774	61,687	339,156	1,965,209	17.26%

¹ Excludes a small % of the harvest for which area of harvest was unknown. Also does not include the small proportion of kill (about 2% of total State kill) occurring in the High Plains portion of OK.

AGE RATIOS IN THE U.S. HARVEST

D.E. SHARP S:\WKFILES\DATABOOK\AGERATIO.123

MALLARD AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	1.20	0.97	0.48	1.21	0.47	0.39	0.59	0.94	0.72	0.63	1.97	1.09	0.62	1.24	1.05
1962	2.15	1.22	0.97	1.18	0.55	0.61	0.88	0.94	0.56	0.78	1.55	1.46	0.91	1.27	1.29
1963	1.07	1.14	1.17	0.78	0.83	0.55	0.80	1.23	0.83	0.78	1.66	1.34	0.93	1.59	1.36
1964	0.77	0.86	0.69	0.70	0.50	0.41	0.56	0.87	0.58	0.67	1.77	1.17	0.65	1.22	1.10
1965	1.20	1.36	0.82	3.40	0.74	0.58	0.80	1.12	0.63	0.71	1.83	1.63	0.89	1.88	1.60
1966	1.10	1.48	0.90	0.78	0.73	0.57	0.73	1.24	0.76	0.95	1.72	1.50	0.94	1.54	1.40
1967	0.91	1.44	1.17	0.98	0.63	0.49	0.75	0.84	0.80	0.87	1.91	1.48	0.88	1.73	1.43
1968	0.38	0.67	0.71	0.64	0.44	0.29	0.40	0.96	0.35	0.29	2.08	1.10	0.46	1.04	0.97
1969	0.75	1.73	1.57	0.65	0.64	0.56	0.89	0.63	0.67	1.28	1.62	1.81	1.01	2.02	1.63
1970	0.55	1.22	0.99	0.63	0.48	0.45	0.72	1.02	0.61	0.76	1.93	1.19	0.73	1.46	1.18
1971	0.94	0.88	1.04	0.97	0.90	0.61	0.78	0.43	0.60	0.62	1.48	0.99	0.81	1.44	1.07
1972	0.60	0.93	0.88	0.48	0.55	0.45	0.48	0.83	0.33	0.31	1.58	0.96	0.58	1.10	0.91
1973	0.67	1.06	1.14	0.69	0.88	0.47	0.55	0.92	0.42	0.36	2.17	1.32	0.67	1.13	1.13
1974	0.98	1.27	2.45	1.00	1.10	0.80	1.16	0.67	1.11	1.15	2.15	1.92	1.19	1.90	1.77
1975	1.15	1.18	1.64	0.96	0.80	0.74	0.87	0.92	0.67	0.74	1.84	1.36	0.92	1.60	1.35
1976	1.04	1.41	1.07	0.73	0.90	0.80	0.87	1.37	0.61	0.73	1.88	1.26	0.90	1.69	1.32
1977	0.41	0.61	0.49	0.44	0.50	0.55	0.52	0.46	0.37	0.30	1.57	0.84	0.46	1.13	0.86
1978	1.11	1.46	1.78	0.77	0.78	0.70	0.96	0.97	0.52	0.63	1.64	1.15	1.00	1.80	1.30
1979	1.28	1.30	1.48	1.04	0.97	0.86	1.02	1.17	0.60	0.54	2.27	1.43	0.97	1.53	1.41
1980	0.88	0.94	0.80	0.81	0.56	0.76	0.67	0.84	0.41	0.57	1.72	0.92	0.68	1.12	0.98
1981	0.95	0.64	0.67	1.28	0.42	0.49	0.39	0.95	0.50	0.39	1.36	0.77	0.52	1.00	0.82
1982	0.81	0.98	0.83	0.61	0.71	0.63	0.60	0.73	0.43	0.65	1.73	1.13	0.67	1.26	1.13
1983	0.82	1.27	1.70	0.72	0.66	0.65	0.96	1.25	0.46	0.43	1.66	1.42	0.82	1.64	1.37
1984	0.70	1.08	0.76	0.53	0.93	0.80	0.70	0.92	0.52	0.49	1.68	1.26	0.75	1.25	1.18
1985	0.74	1.22	1.09	0.81	0.81	0.95	0.79	0.76	0.56	0.44	1.50	1.09	0.78	1.20	1.11
1986	0.96	1.21	1.18	1.39	1.06	0.73	1.60	0.89	0.73	0.64	1.57	1.35	1.02	1.47	1.35
1987	1.21	1.05	1.16	0.78	0.83	0.81	0.90	1.17	0.65	1.12	1.81	1.31	0.94	1.08	1.22
1988	0.46	0.74	0.53	0.46	0.55	0.54	0.45	0.67	0.32	0.38	1.64	0.96	0.49	0.82	0.90
1989	0.60	0.76	0.82	0.54	1.04	0.55	0.74	0.89	0.34	0.58	1.75	1.12	0.67	1.31	1.16
1990	0.74	1.16	0.62	0.47	0.50	0.52	0.45	0.41	0.51	0.48	1.41	0.95	0.57	1.13	0.98
1991	0.45	1.07	0.91	0.62	0.63	0.71	0.44	0.76	0.45	0.37	1.12	0.99	0.61	0.84	0.92
1992	0.42	0.98	0.60	0.30	0.47	0.52	0.44	0.56	0.34	0.42	1.02	0.82	0.50	0.93	0.82
1993	0.59	0.96	0.92	0.40	0.71	0.60	0.60	0.71	0.47	0.54	1.36	1.17	0.67	1.47	1.17
1994	0.54	1.34	1.05	0.66	0.95	0.81	1.01	0.94	0.64	0.77	1.20	1.07	0.90	1.25	1.10
1995	0.96	1.13	1.24	0.91	1.07	1.03	0.75	1.35	0.55	0.64	1.09	0.92	0.90	1.01	0.95
1996	1.16	1.19	1.10	1.27	1.08	0.65	0.81		0.56	0.54	1.16	1.02	0.86	1.28	1.06
1997	0.81	1.19	1.03	0.84	1.04	0.85	0.81	0.87	0.70	0.77	1.26	1.16	0.91	1.52	1.20
1998	0.65	1.05	0.83	0.94	0.72	0.56	0.54	0.89	0.46	0.57	1.03	0.81	0.67	1.33	0.91
1999	0.66	1.15	0.83	0.45	0.73	0.75	0.65	1.21	0.51	0.56	0.90	0.91	0.74	0.98	0.90
2000	0.44	0.88	0.78	0.62	0.67	0.49	0.44	0.63	0.25	0.46	0.95	0.65	0.55	1.05	0.71
2001	0.63	1.35	0.83	0.42	0.80	0.64	0.64	0.93	0.39	0.54	1.17	1.39	0.76	1.19	1.15
AVERAGES:															
1961-71	1.00	1.18	0.96	1.08	0.63	0.50	0.72	0.93	0.65	0.76	1.77	1.34	0.80	1.49	1.28
1972-81	0.91	1.08	1.24	0.82	0.75	0.66	0.75	0.91	0.55	0.57	1.82	1.19	0.79	1.40	1.19
1982-91	0.75	1.05	0.96	0.69	0.77	0.69	0.76	0.85	0.50	0.56	1.59	1.16	0.73	1.20	1.13
1992-01	0.69	1.12	0.92	0.68	0.82	0.69	0.67	0.90	0.49	0.58	1.11	0.99	0.75	1.20	1.00
1961-01	0.84	1.11	1.02	0.83	0.74	0.63	0.72	0.90	0.55	0.62	1.58	1.18	0.77	1.33	1.15

FEMALE MALLARD AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
 Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	1.41	0.91	0.50	2.92	0.64	0.61	0.76	1.92	0.97	0.86	2.29	1.33	0.79	1.58	1.33
1962	3.98	1.81	1.26	1.62	1.05	1.27	1.47	2.54	0.89	1.28	1.78	1.79	1.42	1.83	1.76
1963	1.25	1.32	1.59	1.27	1.17	0.63	1.36	2.07	1.24	1.41	2.05	1.56	1.26	2.52	1.77
1964	1.14	0.98	0.79	0.80	0.69	0.72	0.83	1.17	1.04	1.12	2.20	1.63	0.90	1.71	1.54
1965	1.53	1.96	1.00	3.33	1.31	0.74	1.65	1.37	0.90	1.02	2.34	2.34	1.31	2.52	2.24
1966	0.70	1.63	1.32	0.80	1.02	0.81	1.05	1.27	1.28	1.15	2.23	1.92	1.24	1.85	1.79
1967	1.28	1.82	1.56	1.26	0.95	0.78	1.26	0.90	1.12	1.08	2.29	1.82	1.26	2.36	1.90
1968	0.90	0.78	0.64	1.28	0.75	0.56	0.78	0.98	0.68	0.42	2.76	1.50	0.69	1.26	1.32
1969	0.91	2.15	1.94	0.43	1.30	0.97	1.69	0.48	1.37	1.64	1.98	2.29	1.60	2.61	2.22
1970	0.80	1.51	1.38	1.37	0.98	0.98	1.03	1.57	1.01	1.21	2.28	1.52	1.20	1.85	1.59
1971	1.24	1.11	1.55	1.45	1.32	1.07	1.32	0.45	1.21	1.08	2.01	1.32	1.23	1.78	1.47
1972	1.10	1.29	1.23	0.75	0.76	0.68	0.98	0.96	0.65	0.66	1.78	1.36	0.96	1.43	1.33
1973	1.34	1.30	1.17	0.88	1.44	0.66	0.96	1.36	0.79	0.92	2.42	1.96	1.05	1.47	1.64
1974	1.30	1.87	2.97	1.58	2.31	1.33	2.12	1.01	1.84	2.63	2.55	2.82	2.01	2.53	2.59
1975	2.35	1.60	1.93	1.40	1.33	1.07	1.38	1.32	0.93	1.21	2.20	1.19	1.37	2.24	1.93
1976	2.47	1.77	1.47	1.30	1.66	1.04	0.95	1.72	0.84	1.45	2.52	1.58	1.38	2.33	1.81
1977	0.77	0.76	0.58	0.76	0.89	0.93	0.63	0.43	0.82	0.55	1.84	1.18	0.70	1.57	1.24
1978	1.24	1.98	1.84	1.00	1.08	1.19	1.37	2.26	1.95	0.96	1.84	1.58	1.39	2.66	1.82
1979	1.88	1.55	2.23	1.64	1.36	1.46	1.27	1.74	1.06	0.98	3.02	1.87	1.41	2.04	1.93
1980	0.80	1.29	1.11	1.61	0.89	1.31	0.87	1.16	0.47	0.75	2.14	1.32	0.94	1.51	1.38
1981	1.51	0.92	0.69	1.67	0.65	0.76	0.76	1.10	0.80	0.69	1.60	1.24	0.80	1.34	1.24
1982	0.86	1.28	1.08	0.66	1.31	0.88	1.28	1.10	0.81	1.14	2.08	1.73	1.10	1.61	1.64
1983	1.28	1.76	2.13	1.22	1.23	1.04	1.46	1.91	1.24	1.10	2.02	2.25	1.40	2.48	2.17
1984	1.03	1.23	1.20	0.71	1.75	1.32	1.30	1.68	0.84	0.77	2.15	1.88	1.16	1.72	1.75
1985	1.02	1.50	1.43	1.24	1.02	0.91	1.42	1.11	1.14	1.11	2.00	1.82	1.19	1.58	1.70
1986	1.97	1.19	1.80	2.07	1.42	1.33	2.35	1.84	1.83	1.02	2.02	2.11	1.44	2.18	2.04
1987	2.18	1.60	1.61	1.12	1.37	1.28	1.24	1.15	1.02	1.97	2.25	1.93	1.49	1.54	1.81
1988	1.14	0.78	0.61	0.53	1.00	0.87	0.72	0.81	0.62	0.71	2.11	1.37	0.76	1.21	1.33
1989	0.59	1.16	1.50	0.60	2.07	0.76	1.12	1.08	0.58	1.01	2.33	1.65	1.07	1.94	1.74
1990	2.79	1.00	1.17	1.19	1.18	0.67	1.00	1.00	1.00	1.00	2.04	1.44	1.04	1.76	1.59
1991	1.56	1.06	2.04	1.39	1.10	1.51	1.01	1.07	0.83	0.85	1.79	1.60	1.22	1.22	1.51
1992	0.62	1.89	0.78	0.48	0.69	1.07	0.98	2.07	0.86	0.87	1.55	1.33	0.95	1.56	1.38
1993	1.60	1.44	1.61	0.35	1.77	1.31	1.54	1.30	0.87	1.14	2.17	1.97	1.30	2.55	2.06
1994	1.19	2.09	1.35	0.77	1.72	0.95	2.35	1.76	0.96	1.54	2.08	1.95	1.53	2.13	1.96
1995	2.64	1.91	2.15	1.51	1.57	2.33	1.71	3.62	1.36	1.27	1.70	1.55	1.70	1.58	1.60
1996	1.87	1.68	1.66	2.36	1.59	0.69	2.06	2.04	1.06	0.95	1.73	1.89	1.33	2.04	1.83
1997	1.11	1.49	1.89	2.08	1.17	1.62	1.49	2.18	1.09	1.26	1.98	1.90	1.38	2.27	1.91
1998	0.96	1.55	1.57	1.59	1.26	0.74	0.61	1.01	0.81	0.91	1.46	1.39	1.05	1.99	1.48
1999	0.83	1.50	1.17	1.80	1.90	1.25	1.29	1.55	0.87	0.92	1.35	1.40	1.20	1.41	1.38
2000	0.90	1.27	1.36	0.60	1.14	1.04	0.82	0.79	0.38	0.81	1.31	1.13	0.91	1.73	1.20
2001	0.75	2.08	1.78	1.10	1.73	1.17	1.85	1.52	0.90	1.14	1.83	2.71	1.47	1.91	2.15
AVERAGES:															
1961-71	1.38	1.45	1.23	1.50	1.01	0.83	1.20	1.34	1.07	1.11	2.20	1.73	1.17	1.99	1.72
1972-81	1.48	1.43	1.52	1.26	1.24	1.04	1.13	1.31	1.01	1.08	2.19	1.61	1.20	1.91	1.69
1982-91	1.44	1.26	1.46	1.07	1.35	1.06	1.29	1.28	0.99	1.07	2.08	1.78	1.19	1.72	1.73
1992-01	1.25	1.69	1.53	1.26	1.45	1.22	1.47	1.78	0.92	1.08	1.72	1.72	1.28	1.92	1.70
1961-01	1.38	1.46	1.43	1.28	1.26	1.03	1.27	1.42	1.00	1.09	2.05	1.71	1.21	1.89	1.71

MALE MALLARD AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
 Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	1.10	1.02	0.48	0.92	0.42	0.32	0.51	0.51	0.58	0.49	1.77	0.96	0.55	1.07	0.91
1962	1.55	1.00	0.84	1.05	0.45	0.43	0.69	0.46	0.39	0.57	1.41	1.27	0.72	1.00	1.05
1963	1.00	1.05	1.01	0.64	0.69	0.52	0.59	0.84	0.63	0.51	1.41	1.20	0.79	1.27	1.14
1964	0.60	0.80	0.64	0.66	0.43	0.31	0.47	0.69	0.44	0.49	1.49	0.95	0.55	0.15	0.88
1965	1.04	1.10	0.73	3.51	0.58	0.52	0.55	0.97	0.51	0.57	1.52	1.31	0.72	0.23	1.31
1966	0.90	1.40	0.72	0.76	0.63	0.48	0.60	1.23	0.57	0.84	1.42	1.25	0.80	0.25	1.19
1967	0.75	1.27	1.00	0.89	0.53	0.39	0.58	0.81	0.64	0.74	1.65	1.28	0.74	0.24	1.19
1968	0.32	0.62	0.75	0.58	0.34	0.27	0.29	0.94	0.25	0.23	1.68	0.91	0.39	0.32	0.81
1969	0.71	1.54	1.40	0.70	0.53	0.48	0.65	0.67	0.46	1.12	1.39	1.56	0.83	1.70	1.35
1970	0.51	1.08	0.87	0.49	0.40	0.36	0.58	0.82	0.49	0.58	1.71	1.02	0.60	1.25	0.98
1971	0.89	0.78	0.89	0.88	0.82	0.52	0.61	0.42	0.45	0.43	1.17	0.83	0.68	1.24	0.88
1972	0.52	0.80	0.76	0.43	0.50	0.40	0.40	0.79	0.26	0.22	1.45	0.77	0.48	0.93	0.74
1973	0.57	0.94	1.12	0.63	0.75	0.42	0.45	0.70	0.33	0.25	1.98	1.06	0.57	0.94	0.91
1974	0.90	1.04	2.24	0.85	0.87	0.63	0.94	0.60	0.94	0.89	1.90	1.55	0.97	1.57	1.43
1975	0.92	1.02	1.54	0.83	0.69	0.65	0.73	0.78	0.60	0.57	1.61	1.11	0.79	1.30	1.10
1976	0.78	1.26	0.91	0.57	0.73	0.72	0.85	1.25	0.55	0.51	1.52	1.10	0.75	1.35	2.44
1977	0.33	0.54	0.44	0.39	0.41	0.43	0.49	0.49	0.27	0.21	1.40	0.69	0.38	0.90	0.69
1978	1.07	1.29	1.75	0.70	0.72	0.56	0.84	0.71	0.43	0.51	1.50	0.95	0.88	1.41	1.07
1979	1.11	1.19	1.28	0.93	0.87	0.69	0.94	0.93	0.49	0.41	1.89	1.22	0.84	1.26	1.18
1980	0.90	0.83	0.68	0.66	0.47	0.59	0.62	0.71	0.39	0.49	1.47	0.75	0.59	0.92	0.80
1981	0.82	0.55	0.66	1.14	0.38	0.40	0.31	0.88	0.42	0.30	1.19	0.59	0.44	0.83	0.65
1982	0.80	0.88	0.74	0.60	0.58	0.54	0.47	0.57	0.34	0.48	1.51	0.90	0.60	1.08	0.92
1983	0.69	1.11	1.58	0.60	0.56	0.54	0.85	1.06	0.32	0.29	1.45	1.12	0.68	1.26	1.07
1984	0.66	1.02	0.65	0.46	0.79	0.66	0.56	0.69	0.44	0.41	1.42	1.03	0.65	1.03	0.97
1985	0.70	1.13	1.00	0.74	0.77	0.96	0.65	0.67	0.49	0.30	1.25	0.87	0.69	1.06	0.92
1986	0.83	1.22	1.04	1.26	1.00	0.60	1.48	0.67	0.58	0.52	1.32	1.11	0.92	1.22	1.12
1987	1.10	0.89	1.05	0.73	0.72	0.73	0.81	1.18	0.59	0.93	1.58	1.10	0.82	0.92	1.03
1988	0.37	0.71	0.51	0.45	0.45	0.45	0.38	0.64	0.26	0.27	1.40	0.81	0.42	0.69	0.75
1989	0.60	0.65	0.68	0.52	0.90	0.51	0.69	0.84	0.30	0.43	1.49	0.93	0.58	1.13	0.97
1990	0.67	1.20	0.54	0.38	0.45	0.50	0.42	0.37	0.46	0.42	1.17	0.80	0.52	0.95	0.82
1991	0.40	1.07	0.68	0.52	0.58	0.58	0.38	0.64	0.40	0.30	0.85	0.80	0.52	0.74	0.75
1992	0.40	0.78	0.55	0.28	0.44	0.44	0.39	0.38	0.30	0.33	0.81	0.67	0.43	0.77	0.66
1993	0.51	0.86	0.76	0.42	0.61	0.51	0.52	0.59	0.42	0.40	1.08	0.95	0.57	1.19	0.94
1994	0.49	1.18	0.98	0.64	0.84	0.78	0.88	0.80	0.60	0.61	0.91	0.85	0.80	1.03	0.89
1995	0.79	0.98	1.07	0.83	1.00	0.81	0.64	0.98	0.45	0.47	0.88	0.75	0.76	0.85	0.79
1996	1.04	1.07	1.00	1.12	1.01	0.64	0.67	1.02	0.48	0.44	0.96	0.81	0.77	1.09	0.88
1997	0.73	1.10	0.89	0.75	1.01	0.69	0.72	0.55	0.61	0.61	1.00	0.92	0.80	1.26	0.97
1998	0.57	0.91	0.72	0.83	0.62	0.52	0.53	0.83	0.39	0.45	0.85	0.62	0.58	1.12	0.74
1999	0.61	1.00	0.73	0.29	0.55	0.62	0.56	1.06	0.41	0.44	0.74	0.73	0.61	0.84	0.73
2000	0.36	0.78	0.67	0.63	0.59	0.37	0.37	0.58	0.21	0.35	0.79	0.50	0.47	0.84	0.57
2001	0.59	1.16	0.69	0.30	0.66	0.53	0.51	0.74	0.30	0.37	0.94	1.04	0.61	0.96	0.89
AVERAGES:															
1961-71	0.85	1.06	0.85	1.01	0.53	0.42	0.56	0.76	0.49	0.60	1.51	1.14	0.67	0.79	1.06
1972-81	0.79	0.94	1.14	0.71	0.64	0.55	0.66	0.78	0.47	0.44	1.59	0.98	0.67	1.14	1.10
1982-91	0.68	0.99	0.85	0.63	0.68	0.61	0.67	0.73	0.42	0.43	1.34	0.95	0.64	1.01	0.93
1992-01	0.61	0.98	0.81	0.61	0.73	0.59	0.58	0.75	0.42	0.45	0.90	0.78	0.64	1.00	0.81
1961-01	0.74	1.00	0.91	0.75	0.64	0.54	0.61	0.76	0.45	0.48	1.34	0.97	0.65	0.98	0.98

NORTHERN PINTAIL AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	6.91			2.32	4.79	1.36	3.17	1.40	3.50	0.52	1.00	1.71	1.45	0.65	0.81
1962	1.24	2.22	1.96		0.77	1.55	2.91	2.98	1.06	0.60	0.91	1.23	1.07	1.03	1.05
1963	2.68	3.72	2.33	5.71	1.27	3.95	2.17	0.53	1.70	0.81	1.39	1.52	1.34	1.14	1.22
1964	3.76	2.90	1.58	2.37	2.04	1.45	1.49	0.54	3.57	0.51	0.97	1.11	0.85	0.92	0.95
1965	2.10	0.92	2.15		1.72	1.10	0.86	1.27	1.82	0.54	0.79	1.11	0.70	1.98	1.57
1966		4.17	1.84		4.45	3.73	2.12	0.97	1.35	0.69	1.11	1.14	1.08	1.60	1.43
1967		5.31	2.31		3.66	3.63	3.19	0.46	2.17	0.39	1.10	1.50	0.91	1.65	1.51
1968	2.08	0.86	0.98	2.76	1.61	0.76	1.59	0.49	4.21	0.26	0.92	0.75	0.47	0.67	0.69
1969	1.51	4.28	3.24	2.09	2.04	2.74	2.69	1.18	2.49	0.68	1.19	1.34	1.20	2.64	2.13
1970	4.71	2.68	2.04	1.43	2.58	1.59	2.89	0.54	1.51	0.54	1.83	2.08	0.79	1.13	1.19
1971		2.23	1.36	2.48	1.15	1.41	1.11	1.68	1.79	0.39	1.09	1.34	0.88	1.05	1.07
1972		2.52	3.05	3.00	1.57	4.58	1.44	0.81	2.52	0.36	0.70	0.91	0.83	1.12	1.07
1973	0.93	2.79	4.58	1.55	2.40	2.56	0.77	0.67	1.25	0.61	0.86	2.01	1.02	0.50	0.89
1974	1.00	2.54	2.38	1.52	0.59	1.47	1.04	0.44	1.94	0.69	1.21	1.48	1.00	1.31	1.29
1975	3.62	2.32	1.08	1.74	1.82	0.92	1.61	0.64	1.02	0.60	0.86	1.13	0.80	1.30	1.17
1976	2.79	2.69	1.66		0.90	1.04	1.43	0.63	1.37	0.51	0.87	1.23	0.77	1.02	1.01
1977	2.53	1.95	1.71	3.53	1.35	1.60	1.08	0.67	0.86	0.29	0.66	1.09	0.50	0.65	0.73
1978	3.08	1.90	2.44		0.71	2.51	0.86	0.84	1.54	0.58	0.95	1.56	0.91	1.76	1.52
1979	4.18	4.31	2.28	4.27	1.26	7.40	2.56	0.87	1.71	0.60	0.92	1.46	0.91	1.38	1.28
1980	0.71	1.32	1.11	2.82	0.71	0.97	1.02	0.62	1.18	0.36	1.13	0.92	0.47	0.62	0.67
1981		1.66	1.50	0.81	1.95	0.67	1.09	0.47	1.71	0.38	0.82	1.18	1.03	0.60	0.74
1982	0.96	2.43	2.31	3.38	0.62	2.83	1.28	0.87	0.92	0.88	0.72	1.28	1.35	0.74	0.88
1983		3.63	3.12	1.82	2.33	2.48	1.77	1.28	2.87	0.88	0.87	1.20	0.80	1.02	1.13
1984		1.69	2.90		1.82	2.38	2.23	0.79	2.73	0.45	0.90	1.13	0.72	0.89	0.95
1985	1.03	2.99	2.11	1.32	2.06	0.60	1.75	0.43	1.13	0.47	1.59	1.72	0.98	0.95	1.10
1986	1.42		1.61	3.30	0.97	2.42	1.83	1.13	2.44	0.59	1.19	1.22	0.73	1.03	1.10
1987	0.64	2.65	1.35	4.28	1.62	1.61	2.58	0.54	1.20	0.48	0.50	0.87	0.73	0.77	0.79
1988	3.44	1.09	1.60	0.90	1.00	1.21	1.08	0.72	0.71	0.48	1.26	0.84	0.64	0.66	0.75
1989		2.62	2.42	1.75	1.73	2.56	2.68	0.61	1.48	1.16	2.04	1.87	1.45	0.83	1.22
1990		2.46	1.75	1.05	0.78	1.50	1.13	0.12	2.77	0.45	0.83	1.78	0.62	0.92	1.05
1991	1.87	2.38	0.88	1.97	1.01	2.39	1.09	1.09	0.64	0.53	0.58	1.38	0.68	0.79	0.87
1992										0.33	0.37	1.02	0.64	0.77	0.84
1993		3.02								0.65	0.82	1.11	0.92	1.04	1.05
1994		4.20	2.30						2.36	0.84	1.35	1.13	1.29	1.26	1.26
1995		2.08	1.95		1.98					0.87	0.79	0.92	1.22	0.85	0.94
1996		2.61	1.90							0.58	0.82	1.11	1.06	1.02	1.07
1997		2.51	1.76		3.05		3.53			0.94	2.05	1.50	1.29	1.62	1.53
1998		1.35	1.59		1.71			0.93		5.00	1.85	1.05	1.27	0.73	0.99
1999		2.16	1.00						0.60	0.65	1.10	1.18	0.89	0.98	1.04
2000		0.51	0.89				0.48		0.61	0.48	0.62	0.87	0.52	0.73	0.73
2001		2.56	1.59							0.57	0.92	1.44	1.01	0.65	1.00
AVERAGES:															
1961-71	3.12	2.93	1.98	2.74	2.37	2.12	2.20	1.09	2.29	0.54	1.12	1.35	0.98	1.31	1.24
1972-81	2.36	2.40	2.18	2.41	1.33	2.37	1.29	0.67	1.51	0.50	0.90	1.30	0.82	1.03	1.04
1982-91	1.56	2.44	2.01	2.20	1.39	2.00	1.74	0.76	1.69	0.64	1.05	1.33	0.87	0.86	0.98
1992-01		2.33	1.62		2.25		2.01	0.93	1.19	1.09	1.07	1.13	1.01	0.97	1.05
1961-01	2.42	2.53	1.96	2.42	1.77	2.16	1.77	0.85	1.79	0.69	1.04	1.28	0.92	1.05	1.08

*Empty cells indicate <50 tails were received and an age ratio could not be obtained

GADWALL AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
 Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	3.79	6.26	3.80		2.23	3.48	1.51	0.45	12.37	0.19	1.28	1.48	0.95	1.35	1.28
1962	3.07	8.01	9.29		2.09	4.54	2.16	0.56	2.47	1.00	1.55	1.74	2.70	2.29	2.18
1963	3.00	4.30	2.83	2.31	6.81	2.30	2.18	1.22	3.13	1.54	1.43	1.33	2.52	2.09	1.86
1964	3.20	2.02	1.55	1.09	1.25	1.70	0.87	0.57	0.97	0.47	1.29	0.84	0.95	1.65	1.04
1965	6.91	4.41	3.64		4.33	4.34	3.07	1.06	1.70	1.29	2.05	1.71	2.26	3.13	2.07
1966		4.12	2.99	3.02	3.40	3.28	3.72	0.87	1.82	1.36	1.77	1.73	2.06	1.62	1.81
1967	5.01	5.36	3.99	8.80	3.44	3.89	1.98	0.82	1.93	1.18	1.25	1.23	2.33	2.60	1.83
1968	6.05	2.17	2.55	2.54	0.81	1.73	1.76	0.65	1.31	0.56	1.35	0.80	1.30	1.70	1.23
1969		7.58	7.29	1.91	4.52	4.50	6.96	1.39	2.97	1.35	1.77	1.55	2.80	3.55	2.38
1970	2.28	4.24	2.91	1.62	1.50	1.87	1.71	0.85	1.29	1.13	1.99	1.14	1.63	1.95	1.44
1971	3.00	2.29	1.71	3.99	2.34	4.54	1.81	0.99	1.58	1.15	1.99	1.49	1.63	3.18	1.77
1972	2.90	2.71	3.89	2.04	1.53	2.92	1.45	1.16	1.57	0.65	1.08	1.06	1.32	1.78	1.26
1973	8.54	3.41	2.79	4.14	2.64	6.12	1.81	1.02	0.94	1.01	1.20	0.95	1.73	1.87	1.34
1974		4.79	6.74	5.34	1.74	6.46	2.75	1.90	2.36	1.30	2.16	1.61	2.17	1.75	1.85
1975	1.42	4.98	2.98	3.69	2.85	2.39	1.63	1.08	1.65	1.15	2.79	1.61	1.82	2.55	1.84
1976	3.83	4.50	2.69	2.87	2.24	2.95	2.65	1.62	1.67	0.94	1.41	1.11	1.72	1.68	1.39
1977	2.49	2.04	2.65	6.98	3.18	0.95	1.95	0.32	1.03	0.39	1.08	0.84	1.00	1.08	0.92
1978	5.73	4.27	5.03	1.68	2.25	4.25	3.94	1.42	2.01	1.39	1.80	1.94	2.56	2.57	2.15
1979	1.49	6.25	5.55	7.77	2.21	3.92	4.11	1.61	0.96	1.08	2.02	1.76	2.16	2.41	1.95
1980	0.88	2.77	1.73	1.22	0.87	2.23	1.31	0.99	1.21	0.39	0.94	0.79	0.82	1.68	0.94
1981	4.12	3.26	3.72	1.87	3.51	1.24	1.52	0.64	0.94	0.52	0.70	0.79	1.20	1.30	0.95
1982	8.71	6.15	7.16	6.13	4.32	2.95	1.91	0.77	1.64	0.94	1.21	1.58	1.61	1.65	1.57
1983	1.51	6.95	4.64	5.92	3.25	4.62	1.62	0.89	1.05	1.11	0.76	1.23	1.71	1.64	1.37
1984	1.56	3.47	4.01	2.30	2.07	1.90	1.56	0.57	0.87	0.66	0.87	0.76	1.18	1.30	0.94
1985	1.08	2.67	3.87	0.65	1.71	1.14	1.49	0.61	1.31	0.75	1.18	1.29	1.21	1.09	1.22
1986	1.97	4.21	3.41	2.42	2.02	3.66	5.04	0.67	1.44	0.85	1.89	1.43	1.70	1.73	1.57
1987	1.08	2.74	2.67	2.01	2.54	2.18	2.22	0.63	1.39	0.99	1.15	1.14	1.48	0.98	1.21
1988	2.44	1.34	1.52	1.14	0.70	1.04	0.99	0.18	0.46	0.35	0.73	0.45	0.54	1.43	0.65
1989	1.70	5.23	2.79	5.24	2.33	2.45	1.33	0.90	1.20	0.81	1.14	0.95	1.26	1.84	1.17
1990	2.65	2.81	1.61	1.07	2.81	0.88	1.52	0.50	0.85	0.48	0.81	0.96	0.79	1.37	0.97
1991	2.09	4.11	3.52	2.00	4.54	4.43	1.53	0.44	1.50	0.71	1.29	1.19	1.29	1.02	1.19
1992		4.22	1.12			1.05	1.30	0.67	0.34	0.37	1.11	0.54	0.69	1.18	0.68
1993		3.02	3.92				4.45		0.82	0.74	1.59	1.05	1.24	2.02	1.32
1994		3.59	4.60		2.96	1.89	3.72		1.80	0.94	1.30	1.58	1.50	1.57	1.55
1995		2.78	2.45		1.49	1.99	1.26		0.59	0.85	1.65	1.19	1.23	1.55	1.27
1996		2.68	3.61		2.61	4.58	2.09	1.69	1.13	0.99	1.53	1.38	1.45	1.48	1.41
1997		2.27	2.58		3.56	2.84	4.61	1.25	1.51	1.05	1.27	1.62	1.64	1.31	1.57
1998		2.14	1.66		3.01	1.61	1.96	1.08	0.83	0.52	0.72	0.77	0.98	1.53	0.89
1999		2.97	3.27		2.02	1.17	1.43	0.66	0.85	0.99	2.28	1.27	1.32	1.00	1.30
2000	1.23	1.40	1.55		1.93	1.38	0.65	0.30	0.34	0.37	0.80	0.70	0.64	0.88	0.69
2001		2.93	3.47		1.78	1.68	2.87	0.77	1.07	0.67	0.68	1.35	1.16	0.80	1.21
AVERAGES:															
1961-71	4.03	4.61	3.87	3.16	2.97	3.29	2.52	0.86	2.87	1.02	1.61	1.37	1.92	2.28	1.72
1972-81	3.49	3.90	3.78	3.76	2.30	3.34	2.31	1.18	1.43	0.88	1.52	1.25	1.65	1.87	1.46
1982-91	2.48	3.97	3.52	2.89	2.63	2.53	1.92	0.62	1.17	0.77	1.10	1.10	1.28	1.41	1.19
1992-01	1.23	2.80	2.82		2.42	2.02	2.43	0.92	0.93	0.75	1.29	1.15	1.19	1.33	1.19
1961-01	3.23	3.84	3.51	3.28	2.60	2.83	2.30	0.89	1.63	0.86	1.39	1.22	1.52	1.74	1.40

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

AMERICAN WIGEON AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961							8.07			1.04	1.00	3.28	3.08	1.40	1.69
1962		5.32					2.26			0.84	0.81	2.16	1.63	1.27	1.34
1963		3.82	2.44		2.55	4.87	3.23		1.57	0.87	1.24	1.53	1.74	1.22	1.33
1964	1.99	3.67	3.37		1.75	1.54	1.57	0.80	1.47	0.74	1.20	2.08	1.73	1.39	1.54
1965		5.32	3.12				2.91		2.03	0.81	0.93	1.71	1.76	2.19	1.84
1966		4.74	4.53			3.65	5.96	1.06	2.04	0.90	1.65	1.87	1.67	1.88	1.84
1967		8.75	5.09		5.58	3.51	6.72		1.96	1.12	1.07	2.53	3.15	2.28	2.34
1968		1.53	1.69		1.11	2.26	1.82	0.96		0.37	0.50	1.03	0.92	1.11	1.03
1969		4.51	5.63		3.18	4.73	5.09		3.97	0.55	1.50	1.81	1.32	2.38	1.93
1970		5.03	3.50		2.81	2.16	3.39	1.38	1.73	0.99	0.96	1.73	1.75	1.39	1.52
1971		2.75	1.92		2.73	3.43	2.61	0.82	1.80	0.56	0.87	1.59	1.43	1.71	1.58
1972		2.43	3.53		2.54	3.53	2.21	0.43	3.04	0.43	0.76	1.24	1.13	1.36	1.26
1973		3.82			2.85	2.76	1.21	1.45	1.99	0.70	0.92	1.24	1.44	1.46	1.39
1974			3.98		1.18	2.16	3.26		1.85	0.96	2.06	2.09	1.49	2.29	2.05
1975		5.53	1.56	4.72	1.77	4.05	2.49	3.12	1.71	1.31	1.65	2.22	1.93	2.40	2.21
1976		2.23		2.41	4.69	2.90	4.22	1.50	2.01	0.93	1.88	1.75	1.67	2.00	1.89
1977		2.25		1.73	1.86	1.51	1.34		0.86	0.51	0.79	0.83	1.35	1.52	1.09
1978		2.77	1.95	3.04	1.31	2.08	3.00	1.01	1.22	0.64	0.99	1.77	1.17	2.06	1.65
1979		5.34	6.24	2.50	3.25	2.36	4.14	2.21	1.64	1.37	1.41	1.97	2.12	1.74	1.88
1980		2.82	2.48	2.95	1.32	2.22	2.11	1.07	1.34	0.41	0.80	1.22	0.76	1.33	1.12
1981		2.03	2.38		1.35	1.63	1.77		1.12	0.61	0.57	0.92	0.84	0.87	0.91
1982			1.23	5.49	2.60	2.36	1.50	0.84	1.26	0.48	1.15	1.28	0.75	1.02	1.03
1983		8.61	2.36	3.09	0.92	1.18	2.46	1.20	1.22	0.76	1.09	1.22	1.24	1.57	1.38
1984		3.71	2.84	2.74	3.66	2.71	1.77	1.95	1.32	0.58	1.32	1.13	1.15	1.42	1.27
1985		9.26	2.50	3.23	3.07	2.02	2.88	0.59	1.39	0.60	1.60	1.21	1.11	1.97	1.55
1986			1.56	6.30	1.93	5.44	2.59		2.03	0.55	1.00	1.62	1.22	2.09	1.69
1987			1.56	6.30	1.93	5.44	2.59		2.03	0.55	1.02	1.84	1.22	1.57	1.58
1988		2.91	3.46	2.56	2.02	1.41	1.64	1.78	0.70	0.43	1.27	1.12	0.76	1.22	1.15
1989		5.88	2.61		1.50	5.26	1.75		0.94	0.67	1.09	1.71	1.09	1.40	1.41
1990			1.69		1.07	1.85	1.43		0.92	0.44	0.60	1.30	0.69	1.68	1.22
1991			2.52			1.98	1.61		1.17	0.46	0.80	1.41	0.83	0.96	1.03
1992			3.46			1.83	1.66		1.49	0.51	0.71	1.07	0.95	1.06	1.03
1993			2.20						0.74	0.50	0.74	1.12	0.76	1.63	1.25
1994		2.06	2.31		1.71		5.98		0.89	0.81	0.92	1.39	1.18	1.78	1.48
1995		1.62	0.76		0.73	1.66			0.55	0.51	0.86	0.86	0.71	1.39	1.03
1996		1.93	1.49		2.04	4.53			1.54	0.66	0.57	0.96	1.10	1.12	1.05
1997		2.74	2.49		2.22	9.10	4.90	2.65	1.22	0.85	1.01	1.66	1.54	1.48	1.51
1998		2.50	1.26		1.77	3.20	1.42	0.91	0.76	0.39	1.23	0.91	0.78	1.11	1.00
1999		3.68	0.47		1.05	3.06	1.41	1.04	0.70	0.40	1.16	0.98	0.70	0.87	0.88
2000		1.23	0.75		0.91	1.69	0.59	0.32	0.56	0.30	0.47	0.54	0.54	0.89	0.66
2001		2.16	0.94	1.59		1.36		0.72	0.57	0.58	1.16	1.10	0.89	1.02	1.02
AVERAGES:															
1961-71	1.99	4.54	3.48		2.82	3.27	3.97	1.00	2.07	0.80	1.07	1.94	1.83	1.66	1.63
1972-81		3.25	3.16	2.89	2.21	2.52	2.58	1.54	1.68	0.79	1.18	1.53	1.39	1.70	1.55
1982-91		6.07	2.23	4.24	2.08	2.97	2.02	1.27	1.30	0.55	1.09	1.38	1.01	1.49	1.33
1992-01		2.24	1.61	1.59	1.49	3.30	2.66	1.13	0.90	0.55	0.88	1.06	0.92	1.24	1.09
1961-01	1.99	3.84	2.55	3.48	2.15	2.98	2.85	1.26	1.46	0.68	1.06	1.49	1.30	1.52	1.41

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

BLUE-WINGED TEAL AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961											1.82	1.77	3.19	1.77	1.88
1962		3.22									1.33	1.72	2.05	1.04	1.35
1963		4.00	2.11		3.94		3.04				1.20	2.95	2.56	1.59	2.35
1964		3.23	2.86		6.96		6.46			0.67	2.17	2.10	2.84	1.33	1.95
1965											1.60	1.63	1.41	1.15	1.43
1966			6.33								1.97	2.65	2.81	1.09	2.26
1967			5.23				5.63				1.60	3.15	5.16	2.01	2.80
1968		4.25			8.09						1.58	1.81	3.02	1.39	1.76
1969		5.07	5.89								3.10	4.14	3.34	1.47	3.28
1970		9.93					9.11			1.46	2.30	3.59	4.96	1.73	3.17
1971		9.10	3.48				5.02			2.22	2.48	2.39	4.58	1.81	2.60
1972		3.18	6.10		3.35					1.73	1.87	2.76	2.75	1.46	2.33
1973		3.76	4.16		2.88		2.34			2.30	1.80	1.91	2.89	0.46	1.60
1974		6.45	4.74		4.74					0.83	1.42	2.56	2.52	0.94	1.98
1975		2.29	1.79		2.68	7.73	2.38			1.67	2.27	2.81	2.15	1.64	2.47
1976		8.98			7.82					1.28	1.77	1.63	3.98	1.69	1.88
1977		1.41				4.94				0.72	0.96	1.03	1.32	0.82	1.02
1978			6.48							6.19	2.78	2.30	8.02	1.41	2.58
1979		3.24		6.92	5.26	7.49				1.69	3.09	3.83	3.41	1.77	3.36
1980			6.27							0.79	1.76	1.69	1.59	1.52	1.67
1981		2.76	1.23		1.58	2.73				1.26	1.16	1.83	1.69	2.93	1.80
1982			1.98		1.54	1.93	2.35			0.47	2.56	1.71	1.29	1.52	1.68
1983		3.06	2.74		2.90	6.41				1.59	2.26	3.35	2.65	1.51	2.76
1984		4.19	3.85	7.56	2.96	6.10			1.59	2.01	1.91	2.97	2.90	1.86	2.70
1985			3.77		2.66					2.23	2.02	2.57	3.31	1.80	2.45
1986			1.86		2.77	2.77	1.71	1.69	1.60	1.00	1.42	1.85	1.31	2.24	1.68
1987			4.39		3.38	3.38	1.86	2.65	2.36	1.35	1.24	1.28	1.59	0.66	1.28
1988	0.33	0.97	0.97	1.39	1.14	2.90	2.40			0.50	1.10	1.16	0.88	1.03	1.10
1989			2.07		2.42	4.27				1.77	1.76	1.07	2.50	1.90	1.46
1990			2.06		1.67					1.48	0.94	1.72	1.48	1.22	1.49
1991						6.55				0.54	1.18	1.65	1.66	2.42	1.62
1992						6.26				1.24	0.90	1.77	2.46	1.42	1.59
1993		1.63	3.04		2.35					0.83	1.17	1.45	1.94	1.41	1.46
1994		5.37	5.57							2.08	2.09	2.76	3.49	1.99	2.67
1995		5.68	4.62		2.82					1.57	2.35	3.35	3.54	1.16	2.85
1996		5.30	5.59		9.57					2.83	2.15	3.81	5.25	1.85	3.45
1997		4.67	6.69		4.25	15.72	7.42			5.47	1.93	2.99	5.62	1.76	3.06
1998		6.27	4.18		4.56		4.61			2.81	1.03	2.68	3.67	1.49	2.39
1999		3.24	2.19		3.61	7.72	2.57			2.00	1.21	2.32	2.74	1.01	1.94
2000		7.48	3.00		3.82	3.35				2.27	0.82	2.09	3.32	0.91	1.95
2001		5.66	5.26		4.86					2.70	1.32	2.93	3.87	1.29	2.74
AVERAGES:															
1961-71		5.54	4.32		6.33		5.85			1.45	1.92	2.54	3.27	1.49	2.26
1972-81		4.01	4.40	6.92	4.04	5.72	2.36			1.85	1.89	2.24	3.03	1.46	2.07
1982-91	0.33	2.74	2.63	4.48	2.26	4.29	2.08	2.17	1.85	1.29	1.64	1.93	1.96	1.62	1.82
1992-01		5.03	4.46		4.43	8.26	4.87			2.38	1.50	2.62	3.59	1.43	2.41
1961-01	0.33	4.61	3.89	5.29	3.90	5.64	4.06	2.17	1.85	1.80	1.74	2.33	2.97	1.50	2.14

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

BLUE-WINGED TEAL AGE RATIOS (IMMATURE/ADULT) IN THE SEPTEMBER AND REGULAR SEASON HARVESTS
Derived from the Parts Collection Survey

YR	ATLANTIC FLYWAY				MISSISSIPPI FLYWAY				CENTRAL FLYWAY				PACIFIC FLYWAY		UNITED STATES TOTAL			
	September		Regular		September		Regular		September		Regular		Regular		September		Regular	
	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings
1961			1.82	159			1.77	285			3.19	103	1.77	212			1.88	759
1962			1.33	208			1.72	1,022			2.05	173	1.04	503			1.35	1,906
1963			1.20	421			2.95	2,441			2.56	687	1.59	792			2.35	4,341
1964			2.17	559			2.10	1,353			2.84	491	1.33	646			1.95	3,049
1965			1.60	412	2.07	6,641	1.63	530	3.06	9,229	1.41	272	1.15	548	2.29	15,870	1.43	1,762
1966			1.97	626	2.23	4,998	2.65	799	3.64	7,710	2.81	242	1.09	260	2.75	12,708	2.26	1,927
1967			1.60	429	1.69	5,260	3.15	702	2.86	8,277	5.16	415	2.01	556	2.08	13,537	2.80	2,103
1968			1.58	285			1.81	465			3.02	268	1.39	352			1.76	1,406
1969			3.10	484		1	4.14	846		1	3.34	342	1.47	269		1	3.28	1,942
1970	0.95	113	2.30	569	1.96	570	3.59	1,516	2.99	1,294	4.96	517	1.73	325	2.18	1,977	3.17	2,933
1971	1.13	51	2.48	300	1.21	565	2.39	1,330	2.08	451	4.58	810	1.81	362	1.41	1,067	2.60	2,802
1972	2.14	22	1.87	537	1.53	432	2.76	909	1.49	392	2.75	565	1.46	422	1.53	846	2.33	2,437
1973			1.80	714	1.14	954	1.91	1,627	1.32	598	2.89	994	0.46	573	1.19	1,552	1.60	3,913
1974			1.42	500	1.81	754	2.56	1,100	1.37	733	2.52	546	0.94	619	1.61	1,487	1.98	3,767
1975			2.27	562	1.64	1,541	2.81	2,615	1.84	1,063	2.15	961	1.64	607	1.71	2,604	2.47	4,745
1976			1.77	682	1.04	926	1.63	1,124	1.88	853	3.98	502	1.69	551	1.26	1,779	1.88	2,863
1977			0.96	392	0.90	807	1.03	1,147	0.84	957	1.32	356	0.82	451	0.88	1,764	1.02	2,355
1978			2.78	651	2.00	1,254	2.30	1,216	3.50	898	8.02	510	1.41	353	2.36	2,152	2.58	2,732
1979			3.09	936	1.77	934	3.83	1,603	2.17	959	3.41	711	1.77	315	1.90	1,893	3.36	3,571
1980			1.76	638	1.09	843	1.69	1,025	1.10	741	1.59	281	1.52	308	1.09	1,584	1.67	2,269
1981			1.16	402	0.98	581	1.83	909	0.80	486	1.69	544	2.93	399	0.92	1,067	1.80	2,201
1982			2.56	628	1.20	813	1.71	1,733	1.18	826	1.29	625	1.52	571	1.19	1,639	1.68	3,488
1983			2.26	1,029	1.80	1,086	3.35	2,492	1.12	819	2.65	778	1.51	598	1.61	1,905	2.76	5,072
1984	1.84	132	1.91	796	1.37	1,347	2.97	2,288	2.28	1,039	2.90	908	1.86	498	1.56	2,518	2.70	4,494
1985	1.20	125	2.02	552	1.28	937	2.57	879	1.37	1,001	3.31	421	1.80	294	1.30	2,063	2.45	2,150
1986	1.61	71	1.42	496	1.80	904	1.88	1,269	1.03	1,192	1.61	771	2.24	264	1.51	2,096	1.78	2,804
1987	1.65	87	1.16	390	1.35	1,053	1.20	653	1.58	1,066	1.61	322	0.66	207	1.42	2,206	1.15	1,572
1988			1.10	308			1.16	610			0.88	174	1.03	258			1.10	1,356
1989			1.77	366			1.07	789			2.50	358	1.90	567			1.46	2,083
1990			0.95	364			1.72	707			1.48	275	1.22	432			1.49	1,780
1991			1.18	274			1.65	601			1.66	225	2.42	293			1.62	1,394
1992	0.67	63	0.90	333	1.05	1,093	1.77	763	0.84	1,171	2.46	360	1.42	430	0.98	2,327	1.59	1,888
1993	2.13	48	1.19	360	1.31	824	1.46	839	1.00	971	1.93	417	1.38	550	1.22	1,843	1.45	2,167
1994	2.60	109	2.11	496	2.53	1,137	2.76	1,571	3.78	1,182	3.50	459	2.00	301	2.77	2,428	2.68	2,827
1995	1.38	79	2.35	787	1.53	1,254	3.35	1,977	2.53	1,458	3.54	664	1.16	530	1.66	2,791	2.85	3,958
1996	1.35	141	2.15	748	1.96	916	3.81	1,826	2.06	808	5.25	857	1.85	453	1.96	1,865	3.45	3,884
1997	2.23	198	1.93	596	1.89	972	2.99	1,619	2.72	832	5.68	979	1.75	606	2.05	2,002	3.05	3,804
1998	1.15	124	1.03	574	1.02	784	2.68	1,309	1.83	699	3.67	885	1.49	547	1.23	1,607	2.39	3,318
1999	1.31	205	1.21	585	1.37	1,381	2.32	1,032	1.44	1,015	2.74	700	1.01	555	1.38	2,601	1.94	2,873
2000	0.92	172	0.81	460	0.96	1,389	2.11	963	1.37	1,171	3.28	841	0.91	360	1.02	2,732	1.95	2,624
2001	1.30	136	1.37	405	1.53	1,172	2.98	1,428	1.92	889	3.87	736	1.30	429	1.60	2,197	2.77	3,001
AVERAGES:																		
1961-71	1.04	82	1.92	405	1.83	3,607	2.54	1,026	2.93	5,392	3.27	393	1.49	439	2.14	9,032	2.26	2,266
1972-81	2.14	22	1.89	601	1.39	903	2.24	1,328	1.63	768	3.03	597	1.46	460	1.45	1,673	2.07	3,085
1982-91	1.58	104	1.63	520	1.47	1,023	1.93	1,202	1.43	991	1.99	486	1.62	398	1.43	2,071	1.82	2,619
1992-01	1.50	128	1.51	534	1.52	1,092	2.62	1,333	1.95	1,020	3.59	690	1.43	476	1.59	2,239	2.41	3,034
1961-01	1.50	110	1.74	513	1.52	1,423	2.34	1,217	1.90	1,638	2.98	538	1.50	443	1.60	3,120	2.14	2,740

¹All September age and sex ratios listed as 1.00 despite good sample size: Omitted here.

GREEN-WINGED TEAL AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961		3.78	3.44		3.25	1.61	3.79	3.24	2.65	1.71	1.87	2.65	2.64	0.94	1.54
1962		2.49	2.65		3.42	0.91	1.84	1.60	2.09	1.47	1.21	2.14	1.91	1.01	1.25
1963		2.07	2.50	2.96	4.82	2.37	3.04	2.93	2.82	2.01	2.65	2.32	2.71	1.43	1.84
1964	3.39	3.40	3.24	2.05	5.04	1.32	4.87	1.35	5.00	2.35	2.05	4.08	3.21	1.15	2.13
1965	2.19	3.59	2.06		2.52	2.41	2.36	0.85	2.40	1.36	1.47	1.59	1.81	1.24	1.44
1966		3.06	3.13	3.67	4.71	3.39	3.10	1.37	2.26	1.40	2.33	2.16	1.97	0.91	1.51
1967		3.74			6.18	6.39	1.79	9.74	1.89	3.29	3.41	3.76	1.09	2.10	2.10
1968		3.16	2.14	7.77	2.22	3.19	3.48	1.50	2.90	1.14	3.38	2.08	1.73	0.74	1.32
1969		2.87	6.67	4.12	4.35	4.59	3.83	5.26	2.96	1.71	2.32	2.53	2.28	1.35	1.90
1970		2.10	2.88	4.67	3.40	4.01	4.12	1.60	2.59	1.36	3.50	2.93	1.91	0.77	1.68
1971		2.03	3.27		3.58	2.36	3.38	3.62	3.47	1.49	2.74	2.30	2.34	1.16	1.78
1972	2.64	2.01	4.33		2.49	2.94	1.92	1.21	1.98	0.91	1.98	1.82	1.39	1.55	1.62
1973		2.24	3.08		4.45			0.94	2.62	1.28	2.88	1.88	2.37	0.98	1.61
1974		2.38	2.90		3.82	3.42	4.60	3.30	5.34	2.13	2.89	5.14	2.69	1.35	2.34
1975		2.23	4.83	7.79	3.67	5.71	4.43	5.49	5.56	2.57	2.42	2.70	3.08	2.13	2.57
1976	4.08	2.24	4.48	7.44	5.29	4.25	4.69	2.61	3.52	1.39	4.62	1.95	2.10	0.91	1.56
1977		1.77	2.51	6.80	2.16	2.30	2.72	1.29	2.33	1.05	2.92	1.65	1.55	0.97	1.43
1978		4.73	3.17		5.32	4.29	4.16	5.38	2.25	2.69	1.81	1.91	3.14	1.30	1.84
1979	6.96	1.77	2.60	3.89	5.18	3.77	2.64	1.49	4.01	1.79	1.80	1.97	2.10	1.22	1.73
1980	7.05	7.30	3.04	5.68	2.53	3.87	2.68	1.34	2.45	1.01	2.17	1.89	1.46	1.03	1.48
1981	3.07	3.20	2.26	5.40	2.48	2.81	2.18	1.57	2.14	1.81	2.67	1.54	2.05	0.87	1.43
1982	3.14	2.02	1.17	4.97	1.96	1.57	1.99	1.17	2.18	0.81	1.95	1.24	1.09	0.79	1.06
1983	3.84	3.18	2.07	3.05	3.50	5.64	3.46	1.24	3.31	1.52	2.19	3.68	2.03	1.47	2.26
1984	5.00	4.06	3.82	3.57	4.69	7.41	5.31	3.24	5.03	2.13	2.26	2.42	2.78	1.04	1.95
1985		2.54	3.80	5.16	3.23	4.08	3.75	1.83	3.43	1.57	3.27	1.58	2.23	1.35	1.74
1986		1.58	3.63	7.02	2.92	3.59	2.92	1.58	2.90	1.67	2.22	1.54	2.18	1.55	1.76
1987		1.85	2.36	4.28	1.86	3.86	1.98	1.82	1.86	1.13	1.38	2.11	1.41	1.13	1.55
1988	0.79	0.94	0.63	1.65	2.11	1.92	1.55	0.53	1.08	1.10	2.28	2.30	1.15	0.90	1.42
1989		2.43	1.96	5.01	2.44	4.55	3.08	1.40	1.54	1.58	2.41	2.05	1.87	1.26	1.75
1990	3.06	1.64	1.23		2.22	2.20	1.99	1.32	1.38	1.16	1.44	1.44	1.39	1.03	1.30
1991	1.00	1.09	1.20	2.17	1.67	2.49	1.52	2.69	1.83	0.87	1.07	1.85	1.14	1.18	1.38
1992		2.22	1.16		2.95	2.23	1.98	1.35	1.74	0.87	0.90	1.49	1.28	1.23	1.31
1993		3.53	1.56		2.47	1.90	2.47	1.13	1.16	1.53	1.97	1.87	1.65	1.62	1.73
1994		2.14	2.55		1.86	4.39	1.94		2.85	1.45	2.44	2.04	1.78	1.13	1.64
1995		1.36	2.25	10.12	2.43	3.09	1.93		1.21	1.99	1.82	1.82	2.02	1.14	1.61
1996		1.49	1.19		2.13		2.25		2.42	1.76	1.61	2.00	1.89	1.35	1.70
1997		2.03	1.87		3.47	4.71	2.69		3.36	1.90	2.35	2.52	2.28	1.50	2.12
1998		1.65	1.84		2.60	3.15	3.23	4.44	1.88	1.46	2.32	2.00	1.82	1.14	1.72
1999		1.49	1.11		1.65	1.40	1.57	2.65	1.10	1.27	2.58	1.71	1.33	1.01	1.54
2000		1.19	0.92		2.05	2.53	1.74	1.27	1.44	1.46	1.33	1.02	1.48	1.05	1.15
2001		3.60	1.22	2.79	3.24	3.97	2.38		1.95	1.51	1.10	1.92	1.78	1.05	1.56
AVERAGES:															
1961-71	2.79	2.94	3.20	4.21	3.73	2.94	3.65	2.28	3.53	1.63	2.44	2.56	2.39	1.07	1.68
1972-81	4.76	2.99	3.32	6.17	3.74	3.71	3.34	2.46	3.22	1.66	2.62	2.25	2.19	1.23	1.76
1982-91	2.81	2.13	2.19	4.10	2.66	3.73	2.76	1.68	2.45	1.35	2.05	2.02	1.73	1.17	1.62
1992-01		2.07	1.57	6.46	2.49	3.04	2.22	2.17	1.91	1.52	1.84	1.84	1.73	1.22	1.61
1961-01	3.55	2.54	2.57	4.87	3.15	3.34	3.00	2.15	2.80	1.54	2.24	2.18	2.02	1.17	1.67

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

GREEN-WINGED TEAL AGE RATIOS (IMMATURE/ADULT) IN THE SEPTEMBER AND REGULAR SEASON HARVESTS
 Derived from the Parts Collection Survey

YR	ATLANTIC FLYWAY				MISSISSIPPI FLYWAY				CENTRAL FLYWAY				PACIFIC FLYWAY		UNITED STATES TOTAL			
	September		Regular		September		Regular		September		Regular		Regular		September		Regular	
	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings
1961			1.87	710			2.65	987			2.64	1,057	0.94	1,389			1.54	4,143
1962			1.21	1,004			2.14	1,375			1.91	1,109	1.01	2,065			1.25	5,553
1963			2.65	1,480			2.32	1,886			2.71	1,906	1.43	3,400			1.84	8,672
1964			2.05	2,216			4.08	2,828			3.21	2,570	1.15	3,248			2.13	10,862
1965			1.47	1,481	1.50	951	1.59	1,128	1.45	1,388	1.81	1,663	1.24	2,267	1.48	2,339	1.44	6,539
1966			2.33	1,574	2.47	1,149	2.16	2,568	2.63	2,090	1.97	1,815	0.91	2,524	2.54	3,239	1.51	8,481
1967			3.29	1,417	1.38	1,653	3.41	1,537	2.30	2,993	3.76	2,114	1.09	2,740	1.73	4,646	2.10	7,808
1968			3.38	1,555			2.08	1,474			1.73	1,316	0.74	2,853			1.32	7,198
1969			2.32	1,520	1	887	2.53	1,101	1	722	2.28	1,526	1.35	2,560	1	1,609	1.90	6,707
1970	2.25	27	3.50	1,571	1.53	85	2.93	1,846	1.31	417	1.91	2,304	0.77	2,078	1.42	529	1.68	7,799
1971	1.50	13	2.74	1,051	2.27	70	2.30	1,111	2.65	119	2.34	1,655	1.16	2,390	2.45	202	1.78	6,207
1972	1.00	2	1.98	970	0.93	44	1.82	1,083	1.19	54	1.39	1,640	1.55	2,084	1.07	100	1.62	5,777
1973			2.66	1,000 *	2.17	156	1.88	1,451	2.03	97	2.37	1,816	0.98	2,055	2.11	253	1.61	6,322
1974			2.89	1,233	2.23	55	5.14	1,279	3.72	200	2.69	1,193	1.35	2,632	3.19	255	2.34	6,337
1975			2.42	1,193	2.89	180	2.70	2,585	3.60	350	3.08	2,744	2.13	3,481	3.27	530	2.57	10,003
1976			4.62	1,079	2.48	175	1.95	1,845	1.75	331	2.10	2,562	0.91	2,964	2.03	506	1.56	8,450
1977			2.92	1,090	0.50	178	1.65	2,118	1.09	261	1.55	2,880	0.97	2,865	0.71	439	1.43	8,953
1978			1.81	1,074	1.31	120	1.91	1,861	11.11	179	3.14	2,088	1.30	2,947	2.71	299	1.84	7,970
1979			1.80	1,158	1.19	125	1.97	1,866	1.81	245	2.10	2,477	1.22	2,329	1.49	370	1.73	7,830
1980			2.17	1,385	1.30	140	1.89	1,878	1.94	309	1.46	1,860	1.03	2,553	1.59	449	1.48	7,676
1981	0.47	3	2.68	1,082	2.45	74	1.54	1,505	1.58	191	2.05	1,824	0.87	2,776	1.74	268	1.43	7,187
1982			1.95	929	1.07	83	1.24	1,366	0.66	181	1.09	1,896	0.79	2,582	0.87	264	1.06	6,773
1983			2.19	1,021	1.12	114	3.68	1,746	0.82	131	2.03	2,173	1.47	2,313	1.01	245	2.26	7,253
1984	0.00	2	2.26	1,192	1.08	141	2.42	2,046	1.97	324	2.78	2,150	1.04	2,057	1.43	467	1.95	7,445
1985	NA	2	3.27	1,256	0.79	129	1.58	1,336	1.78	217	2.23	2,145	1.35	2,436	1.12	348	1.74	7,173
1986	NA	1	2.21	1,204 *	1.08	77	1.54	1,597	2.26	223	2.18	2,211	1.55	2,388	1.64	301	1.76	7,400
1987	1.47	2	1.38	1,044	0.73	83	2.11	1,980	1.10	370	1.41	3,010	1.13	2,698	0.96	455	1.55	8,732
1988			2.28	983			2.30	1,848			1.15	1,962	0.90	3,238			1.42	8,031
1989			2.41	1,600			2.05	3,060			1.87	2,977	1.26	3,864			1.75	11,501
1990			1.44	1,542			1.44	2,102			1.39	2,768	1.03	3,835			1.30	10,247
1991			1.07	773			1.85	1,618			1.14	1,470	1.18	3,986			1.38	7,847
1992	0.50	3	0.90	774	0.95	163	1.77	2,589	1.00	213	1.28	2,400	1.23	5,310	0.97	379	1.31	11,073
1993			1.97	999 *	0.86	74	1.87	2,181 *	1.31	121	1.66	2,463	1.62	5,313	1.02	195	1.73	10,956
1994			2.45	1,143 *	1.66	180	2.05	2,632 *	1.58	460	1.77	2,196	1.13	4,512	1.62	640	1.64	10,483
1995	NA	1	1.81	1,758	0.98	84	1.82	2,583	1.52	181	2.02	2,113	1.14	4,708	1.12	266	1.61	11,293
1996	1.00	1	1.61	1,226	1.70	37	2.00	2,117	1.08	37	1.89	1,730	1.35	4,402	1.46	75	1.70	9,475
1997	0.50	4	2.34	1,630	2.70	62	2.52	2,523	3.83	115	2.27	2,451	1.50	5,413	3.03	181	2.11	12,017
1998	1.23	31	2.32	2,241	1.64	81	2.00	3,206	1.66	161	1.82	2,397	1.14	4,406	1.60	273	1.72	12,250
1999	0.83	78	2.58	566	0.64	60	1.71	2,873	1.11	88	1.33	2,155	1.01	3,223	0.81	226	1.54	12,432
2000	0.34	76	1.33	1,780	0.69	75	1.02	2,242	0.90	184	1.48	1,878	1.05	3,785	0.65	335	1.15	9,685
2001	0.69	66	1.11	1,361	1.34	49	1.95	2,157	2.94	124	1.44	2,062	1.05	3,439	1.60	239	1.57	9,019
AVERAGES:																		
1961-71	2.25	20	2.41	1,416	1.72	799	2.59	1,622	1.92	1,288	2.39	1,730	1.06	2,501	1.79	2,094	1.67	7,270
1972-81	0.74	3	2.60	1,126	1.75	125	2.25	1,747	2.98	222	2.19	2,108	1.23	2,669	1.99	347	1.76	7,651
1982-91	0.74	2	2.05	1,154	0.98	105	2.02	1,870	1.43	241	1.73	2,276	1.17	2,940	1.17	347	1.62	8,240
1992-01	0.73	33	1.84	1,348	1.32	87	1.87	2,510	1.69	168	1.70	2,185	1.22	4,451	1.39	281	1.61	10,868
1961-01	0.91	20	2.24	1,265	1.47	235	2.18	1,930	2.12	409	2.01	2,066	1.17	3,125	1.63	654	1.67	8,477

¹All September age and sex ratios listed as 1.00 despite good sample size: Omitted here.

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WOOD DUCK AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST

Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961					1.00		2.33		0.64	0.70	1.64	1.87	1.04	2.88	1.75
1962		4.60			2.49		1.79		1.09	0.55	1.53	1.23	0.83	2.48	1.29
1963			1.44		2.38		3.05		1.67	1.17	1.52	1.77	1.30	1.03	1.63
1964		2.00	0.54		3.14		8.29		1.53	1.40	1.56	1.90	1.75	1.11	1.75
1965					6.49		4.59	2.00	4.05	1.57	1.55	2.35	2.07	1.89	2.15
1966		0.50	1.68		1.63		1.25		1.06	1.92	1.42	1.08	1.62	1.77	1.19
1967		2.14	1.78		4.42		4.07		1.93	2.07	1.69	1.64	2.37	2.21	1.72
1968		0.78	0.50		5.45		2.65		1.66	1.23	1.73	1.25	1.54	1.05	1.41
1969		0.81	2.64		2.38		2.38		2.02	1.60	1.73	2.24	1.72	1.34	1.98
1970		6.82	0.26			0.50	1.22		2.18	1.14	1.69	1.36	1.28	0.86	1.44
1971			9.06		2.67		9.38		3.79	1.29	1.44	1.70	1.93	2.60	1.64
1972		0.65	1.94		12.79		3.60		1.65	2.16	2.18	1.97	2.18	1.24	2.01
1973		5.71	0.57		3.31		1.70		4.77	2.31	2.47	1.56	2.73	2.53	1.91
1974			1.07		3.75		3.50		1.82	1.87	1.88	2.31	2.30	2.14	2.17
1975		1.19	2.57		4.25	1.50	3.08		1.60	1.81	2.14	1.55	2.05	1.88	1.72
1976		0.58	1.39		1.54		4.75		3.85	1.50	1.60	1.04	1.72	1.86	1.23
1977		1.35	5.84		2.02		1.53		1.17	0.91	1.22	1.38	1.18	1.59	1.32
1978	1.00	1.33	0.65		3.54	3.68	2.02	1.00	1.10	1.13	1.66	2.17	1.27	1.36	1.89
1979	2.50	2.46	9.70	2.00	1.93		2.74		1.93	2.36	1.87	2.04	2.37	3.60	2.02
1980	1.00		1.48	1.00	6.45	0.88			2.70	1.79	1.38	1.86	1.91	1.44	1.67
1981	1.00	0.73	2.23		2.86	1.35			2.54	2.18	1.26	1.95	2.26	1.60	1.69
1982		1.47	0.99		3.21		2.53	2.04	2.32	1.12	1.88	2.34	1.45	2.22	2.12
1983		4.45	2.53		3.31	4.00	4.31		2.27	1.99	1.74	2.13	2.29	2.52	2.05
1984	1.15		1.40	1.66	3.43	1.80	1.36	4.15	1.42	1.28	1.30	2.02	1.51	1.64	1.72
1985			1.74		1.57	1.00	3.91	8.68	1.49	1.19	1.16	2.01	1.41	1.47	1.64
1986	0.67	1.68	1.91	0.29	1.89	2.52	3.86	2.28	1.69	1.10	1.45	2.06	1.34	1.43	1.68
1987	3.40		8.65	1.79	4.15		1.74	3.60	1.70	1.14	1.16	1.59	1.48	1.02	1.51
1988	1.22	1.00	1.14	0.52	1.87	0.32	1.08	1.13	0.76	0.78	1.18	1.11	0.89	0.96	1.12
1989	4.32	0.61	2.42	1.00	1.22	1.00	1.24	1.33	1.65	1.47	1.62	1.72	1.45	2.70	1.69
1990	6.65	1.10	2.04	1.43	1.99	1.85	1.70	2.33	2.18	1.10	2.07	1.42	1.25	2.74	1.61
1991	0.85		1.45		1.44	1.43	1.17		2.09	1.51	1.31	1.53	1.52	1.22	1.44
1992					2.39					1.34	1.20	1.35	1.39	1.68	1.32
1993					2.06		1.63		0.94	1.37	1.13	1.90	1.42	1.43	1.56
1994					1.44				1.19	0.90	1.16	1.33	1.01	1.55	1.27
1995					2.18				1.40	1.37	1.22	1.34	1.41	1.59	1.32
1996					1.90					0.97	1.23	1.57	1.18	1.26	1.43
1997					1.48				1.44	1.65	1.19	1.42	1.64	1.54	1.36
1998					1.24				2.08	1.30	1.10	1.25	1.38	1.56	1.23
1999					2.19				0.74	1.04	1.03	1.38	1.17	1.26	1.26
2000					0.79					0.58	1.22	0.90	0.63	2.26	0.99
2001										1.31	1.18	1.96	1.37	1.31	1.57
AVERAGES:															
1961-71		2.52	2.24		3.21	0.50	3.73	2.00	1.97	1.33	1.59	1.67	1.59	1.75	1.63
1972-81	1.38	1.75	2.74	1.50	4.24	1.85	2.87	1.00	2.31	1.80	1.77	1.78	2.00	1.92	1.76
1982-91	2.61	1.72	2.43	1.12	2.41	1.74	2.29	3.19	1.76	1.27	1.49	1.79	1.46	1.79	1.66
1992-01					1.74		1.63		1.30	1.18	1.17	1.44	1.26	1.54	1.33
1961-01	2.16	2.00	2.49	1.21	2.93	1.68	2.95	2.85	1.89	1.39	1.50	1.67	1.58	1.75	1.60

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

REDHEAD AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961		2.17					0.41		0.50	1.00	0.91	2.91	1.07	3.38	2.02
1962			5.62				3.62				1.27		7.89	5.74	5.86
1963			5.68				2.19		5.00		3.85	6.80	4.55	5.85	5.50
1964	1.00	2.00	1.70	0.45	0.68	0.81	0.92	0.57	0.48	0.85	0.57	1.39	1.07	1.63	1.25
1965	7.59	5.44	4.51		5.49	1.00	2.02	1.05	2.58	2.12	1.33	2.67	2.87	3.54	2.73
1966		4.70	3.24	2.00	1.89	2.03	2.69	1.83	1.79	1.98	1.23	3.53	2.51	2.42	2.66
1967		2.61	1.55	0.34	0.94	0.87	1.13	3.11	0.81	1.08	1.08	1.27	1.24	2.58	1.38
1968		1.09	0.55		0.64		0.38		1.61	0.76	0.34	0.62	0.68	1.65	0.84
1969		6.85	4.99	4.68	3.87	0.51	2.14	0.49	1.47	1.46	1.74	4.20	2.82	3.07	3.23
1970		2.59	2.87	1.00	2.28	2.84	1.29	2.39	0.93	0.91	1.92	2.65	1.40	2.00	1.95
1971	1.71	2.06	4.21	0.47	1.22	1.33	1.77	0.60	1.97	4.18	1.02	2.51	2.31	1.72	2.02
1972		3.67	5.02		1.00	1.76			1.91	0.41	5.19	2.86	2.03	2.19	2.31
1973		4.18	5.01	0.46	1.54	0.39	0.60	0.22	0.65	2.10	0.72	1.32	1.35	1.41	1.35
1974		2.80	2.78		2.46	3.98	1.32		3.10	2.10	6.66	2.93	2.21	2.22	2.44
1975	0.80	3.76	4.07	1.89	3.34	1.69	1.87		1.89	5.16	1.60	2.63	3.32	2.83	2.88
1976	0.62	4.14	2.78	0.61	1.20	1.32	0.82	0.50	1.28	3.07	1.94	1.91	1.64	1.88	1.80
1977		0.46	0.67		0.59	0.78	0.18	0.32	0.65	0.40	0.31	0.60	0.43	0.65	0.51
1978	0.28	1.84	3.08		0.66	5.04	1.46	0.89	1.32	2.82	4.24	2.96	2.01	3.38	2.68
1979	0.39	3.36	4.20	2.59	1.60	2.57	4.07	3.18	2.92	1.85	2.85	3.21	2.60	2.95	2.92
1980	0.50	3.71	0.94	0.57	0.41	0.84	2.48	0.44	1.05	1.60	0.71	1.32	1.28	2.11	1.44
1981		1.59	0.73	3.72	0.15	0.26	0.60	1.25	0.33	0.79	0.18	0.41	0.68	1.25	0.63
1982	0.90	6.16	3.35	1.07	0.61	0.38	1.09	1.56	2.16	0.73	0.92	1.70	1.10	1.91	1.55
1983		2.26	2.31	1.00	2.10	1.28	1.84	1.04	1.78	2.89	1.28	2.76	2.26	1.82	2.22
1984	1.00	2.07	1.48	0.29	0.61	0.92	0.71	0.90	0.66	0.67	0.49	1.25	0.85	0.93	0.97
1985		3.02	2.19	0.74	0.85	1.08	0.52	0.51	1.09	1.34	0.82	1.78	1.35	0.98	1.38
1986		2.67	2.96	1.85	0.55	2.03	1.89	1.37	1.22	1.01	1.70	2.79	1.45	1.62	1.91
1987		3.31	2.73	2.36	3.99	1.54	0.51	0.54	1.37	1.22	0.69	3.14	1.61	1.32	1.98
1988		1.12	0.24	0.15	0.28	0.13	0.09	0.17	0.70	0.14	0.76	0.65	0.24	0.65	0.45
1989		1.20	0.55		1.59		0.30		0.29	0.31	0.50	0.93	0.48	1.36	0.80
1990	0.74	1.53	1.46	0.71	0.33	0.38	1.10	1.00	0.80	0.53	0.48	1.39	0.68	1.76	1.07
1991	1.00	3.29	1.67		1.88	0.97	0.32	1.00	2.09		0.69	2.74	1.02	1.23	1.72
1992										0.80		1.51	1.26	1.10	1.28
1993		2.34	3.94							2.36		2.73	2.67	2.00	2.59
1994		6.24								4.95		4.80	4.06	1.21	3.29
1995		3.42	2.54							1.74	0.59	2.66	2.07	1.55	2.00
1996		3.37	2.86							2.05	1.24	3.47	2.32	1.30	2.40
1997		2.96	4.74							1.81	1.01	2.32	2.22	1.16	1.95
1998		1.78								0.76	0.94	1.46	0.92	1.65	1.16
1999		4.03								1.30		2.85	1.57	0.87	1.82
2000	1.64	1.24								0.38	0.48	0.65	0.51	0.75	0.57
2001		1.47	2.76							0.48	0.83	1.77	0.82	0.50	0.99
AVERAGES:															
1961-71	3.43	3.28	3.49	1.49	2.13	1.34	1.69	1.43	1.71	1.59	1.39	2.86	2.58	3.05	2.68
1972-81	0.52	2.95	2.93	1.64	1.30	1.86	1.49	0.97	1.51	2.03	2.44	2.02	1.76	2.09	1.90
1982-91	0.91	2.66	1.89	1.02	1.28	0.97	0.84	0.90	1.22	0.95	0.82	1.91	1.10	1.36	1.41
1992-01	1.64	2.98	3.37							1.66	0.85	2.42	1.84	1.21	1.81
1961-01	1.40	2.96	2.86	1.35	1.53	1.41	1.34	1.08	1.48	1.56	1.43	2.30	1.84	1.95	1.96

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

GREATER AND LESSER SCAUP AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST (Derived from the Parts Collection Survey)

YR	ATLANTIC FLYWAY				MISSISSIPPI FLYWAY				CENTRAL FLYWAY				PACIFIC FLYWAY				UNITED STATES TOTAL			
	Greater		Lesser		Greater		Lesser		Greater		Lesser		Greater		Lesser		Greater		Lesser	
	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings	Im/Ad	Wings
1961	0.76	215	2.13	282	1.84	88	1.93	1,103	1.21	9	2.96	418	1.75	31	5.12	139	1.10	343	2.31	1,942
1962	0.94	683	1.00	316	3.96	265	1.38	956	1.22	14	1.63	255	2.94	242	1.98	149	1.76	1,204	1.43	1,676
1963	1.16	646	2.29	486	1.45	181	1.51	1,473	0.98	10	1.44	539	2.46	86	1.50	238	1.42	923	1.56	2,736
1964	0.81	469	2.21	451	1.91	283	1.37	2,163	2.78	18	2.27	594	2.01	64	2.11	264	1.33	834	1.55	3,472
1965	0.55	493	1.58	486	2.00	79	1.92	1,466	5.16	3	2.83	458	1.30	45	2.86	209	0.97	620	2.03	2,619
1966	1.39	634	1.25	1,064	2.44	258	2.79	1,285	4.68	21	2.72	609	2.81	36	1.60	200	1.95	954	2.32	3,168
1967	0.90	624	1.15	800	2.59	199	2.14	1,066	27.46	12	2.11	329	1.44	164	1.36	267	1.43	1,019	1.82	2,467
1968	0.74	404	1.28	219	2.03	167	0.99	700	3.85	7	2.30	288	1.02	81	2.45	135	1.07	677	1.38	1,366
1969	0.79	527	0.57	890	2.61	134	2.23	1,154	3.19	8	2.66	304	1.07	88	1.06	177	1.10	783	1.57	2,536
1970	0.88	679	1.94	311	1.13	92	1.33	962	1.27	4	1.89	242	0.62	43	2.03	81	0.90	847	1.48	1,608
1971	0.93	419	0.90	687	2.07	121	2.15	1,081	0.92	11	2.96	443	1.59	72	1.38	165	1.26	633	1.87	2,390
1972	0.90	640	0.63	221	2.32	142	1.56	1,027	9.35	15	2.12	476	5.55	66	1.52	81	1.52	901	1.57	1,858
1973	1.89	351	1.46	320	1.21	226	1.04	1,631	9.03	9	1.93	745	2.61	81	2.16	167	1.78	696	1.26	2,886
1974	0.82	243	1.77	305	1.66	113	1.34	1,174	5.07	7	1.23	275	1.00	51	1.13	127	1.13	444	1.35	1,917
1975	1.24	548	1.45	308	2.67	129	2.00	1,154	1.26	8	2.08	320	2.73	62	2.86	161	1.62	794	2.01	1,984
1976	1.17	490	1.91	452	2.79	117	1.58	1,210		5	3.08	508	3.08	47	3.20	234	1.59	672	1.94	2,442
1977	0.80	620	0.33	1,435	2.43	137	0.42	1,253	1.96	25	0.74	474	1.02	120	1.04	219	1.08	924	0.46	3,408
1978	0.84	201	0.95	286	2.11	85	0.84	579	3.47	8	1.87	280	4.95	40	3.56	190	1.50	358	1.17	1,358
1979	1.04	209	1.15	168	1.77	94	1.36	646	2.57	4	4.13	267	3.62	32	3.71	184	1.57	361	1.87	1,292
1980	0.81	301	2.67	188	2.85	144	1.61	773	1.00	9	1.52	225	1.47	52	1.68	157	1.22	551	1.71	1,395
1981	0.45	541	0.73	813	2.69	172	0.89	1,434	2.70	25	0.74	462	8.14	93	1.54	202	1.05	852	0.86	2,948
1982	0.64	246	0.73	401	0.91	103	0.59	1,120	1.24	6	1.23	251	0.29	29	0.87	225	0.68	387	0.70	2,022
1983	1.45	358	3.93	327	1.47	274	1.26	922		5	2.41	274	2.79	81	1.70	291	1.70	765	1.66	1,891
1984	1.54	364	1.43	837	2.51	162	1.51	1,824	2.86	13	1.18	923	2.78	71	1.74	292	2.04	626	1.43	3,908
1985	0.67	431	0.97	763	1.66	163	0.92	1,333	1.01	13	1.90	644	1.70	40	2.23	192	0.99	664	1.09	2,973
1986	1.18	185	1.35	210	1.78	67	1.18	863	1.64	7	3.01	400	1.54	43	1.58	136	1.44	317	1.44	1,638
1987	0.91	241	1.83	221	2.18	67	1.39	480	3.93	11	2.17	322	2.56	67	1.89	179	1.46	411	1.66	1,242
1988	0.98	172	2.15	285	0.95	76	1.28	703	0.97	16	0.88	364	4.13	93	1.83	140	1.31	372	1.35	1,564
1989	1.06	184	1.10	308	1.60	74	1.43	710	0.84	6	2.53	336	3.21	65	3.16	141	1.40	368	1.58	1,516
1990	1.88	90	0.92	176	1.21	97	0.78	413	1.16	22	2.18	312	2.22	86	1.89	213	1.53	318	1.07	1,138
1991	0.91	92	1.06	136	1.10	45	1.25	694	1.39	22	3.28	320	1.79	78	2.10	259	1.22	244	1.49	1,434
1992	0.49	84	0.65	212	1.47	105	74.00	1,442	1.85	27	0.80	521	2.78	91	1.00	303	1.20	321	0.77	2,523
1993	1.46	142	1.33	213	2.32	144	1.00	711	5.56	17	2.29	245	3.47	86	2.26	212	2.25	395	1.30	1,399
1994	1.84	107	2.27	241	2.33	131	1.40	937	1.17	33	2.12	412	1.58	108	1.96	315	1.91	386	1.68	1,939
1995	0.70	189	1.08	322	1.77	134	0.98	1,031	2.37	41	1.17	354	2.75	146	2.22	366	1.55	524	1.11	2,099
1996	0.81	180	0.64	375	0.88	110	0.76	1,151	1.10	18	0.86	674	0.98	120	2.75	357	0.94	443	0.86	2,568
1997	1.92	120	1.06	377	3.14	114	1.21	1,280	1.90	49	1.55	636	1.28	191	1.87	297	2.07	483	1.28	2,600
1998	1.60	144	1.72	460	1.75	62	0.87	1,001	0.50	26	1.06	775	0.56	168	1.11	317	1.08	401	1.01	2,565
1999	1.10	97	0.27	544	1.77	38	0.57	308	3.13	17	1.16	216	0.54	157	0.89	242	1.07	314	0.54	1,318
2000	0.70	133	0.34	264	1.89	66	0.39	609	3.43	13	0.38	487	1.48	151	1.15	269	1.33	370	0.42	1,638
2001	1.26	87	0.67	733	2.43	34	0.64	676	0.19	7	0.99	347	0.51	148	1.64	296	1.00	280	0.76	2,057
AVERAGES:																				
1961-71	0.90	527	1.48	545	2.18	170	1.79	1,219	4.79	11	2.34	407	1.73	87	2.13	184	1.30	803	1.76	2,362
1972-81	1.00	414	1.31	450	2.25	136	1.26	1,088	4.05	12	1.94	403	3.42	64	2.24	172	1.41	655	1.42	2,149
1982-91	1.12	236	1.55	366	1.54	113	1.16	906	1.67	12	2.08	415	2.30	65	1.90	207	1.38	447	1.35	1,933
1992-01	1.19	128	1.00	374	1.98	94	8.18	915	2.12	25	1.24	467	1.59	137	1.69	297	1.44	392	0.97	2,071
1961-01	1.05	331	1.34	436	1.99	129	3.07	1,037	3.21	15	1.91	423	2.25	87	1.99	214	1.38	580	1.38	2,134

SEX RATIOS IN THE U.S. HARVEST

D.E. SHARP FILE S:\DATA\BOOK\TITLE\SEXRATIO.123

MALLARD ADULT SEX RATIOS (MALE/FEMALE) IN THE REGULAR SEASON HARVEST

Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	2.21	1.59	1.96	5.96	3.49	2.97	2.08	2.29	1.84	1.73	1.57	1.75	2.35	2.09	1.98
1962	3.03	2.71	2.16	3.08	4.54	3.64	3.19	3.31	2.00	2.39	1.57	1.66	2.70	2.02	1.95
1963	2.40	2.03	2.53	3.39	2.53	2.07	2.64	2.18	1.98	2.35	1.62	1.50	2.31	2.07	1.83
1964	2.14	2.05	2.03	2.07	2.80	2.79	2.78	1.62	3.25	2.54	1.56	2.05	2.41	2.00	2.08
1965	1.99	2.38	2.17	0.67	3.49	2.85	3.32	1.63	2.32	2.09	1.64	2.20	2.49	2.05	2.15
1966	2.18	1.74	2.44	1.88	2.90	2.54	2.46	1.38	2.35	1.80	1.67	1.75	2.21	1.70	1.82
1967	2.37	2.33	2.24	2.84	3.30	3.05	3.02	1.95	2.13	1.62	1.42	1.72	2.55	1.93	1.93
1968	9.68	2.02	1.73	9.72	3.14	9.72	3.46	1.62	3.32	2.13	1.74	2.07	3.03	1.86	2.16
1969	4.01	2.16	2.26	4.21	5.65	5.61	3.30	3.34	3.34	2.24	1.55	1.88	3.33	1.88	2.14
1970	5.99	2.04	3.10	5.19	6.25	5.84	2.38	2.68	3.28	2.51	1.62	1.99	3.39	1.87	2.19
1971	5.56	2.28	3.35	5.45	5.24	5.12	3.15	2.38	4.16	2.40	1.73	1.99	3.43	1.72	2.19
1972	6.26	2.66	2.81	5.23	4.77	4.30	6.49	2.89	4.69	3.52	1.51	2.14	3.97	2.02	2.45
1973	6.97	2.14	2.19	3.03	4.44	3.49	3.80	1.99	3.96	5.12	1.37	2.48	3.49	1.90	2.44
1974	4.07	2.55	2.42	3.84	5.42	3.02	4.27	4.38	4.36	5.60	1.63	2.43	3.74	1.91	2.41
1975	5.30	2.62	2.93	3.26	4.86	3.58	3.44	2.71	3.61	2.74	1.58	2.27	3.28	2.12	2.36
1976	5.68	2.37	2.46	3.51	4.44	3.08	3.11	2.87	3.58	3.31	1.81	2.09	3.24	1.87	2.22
1977	4.65	2.44	2.05	5.86	4.07	3.15	3.38	1.68	4.53	2.90	1.57	2.30	3.23	1.93	2.32
1978	3.23	2.97	2.15	3.18	5.18	3.51	3.59	4.87	3.23	2.94	1.51	2.19	3.30	2.19	2.32
1979	3.54	2.33	3.73	5.27	3.71	3.66	3.43	2.36	4.42	3.10	1.95	2.10	3.29	1.90	2.25
1980	2.59	2.94	2.41	5.31	3.33	3.41	3.59	2.41	2.88	2.56	1.66	2.27	2.94	1.92	2.24
1981	4.09	2.91	2.45	2.75	4.93	2.93	4.65	2.28	3.57	3.45	1.47	2.65	3.49	1.93	2.47
1982	3.82	2.84	3.08	3.26	4.88	2.89	5.01	2.28	4.32	2.99	1.58	2.53	3.71	1.88	2.40
1983	3.63	3.02	3.38	3.93	5.67	3.59	4.46	3.56	5.70	4.58	1.68	2.78	4.18	2.21	2.72
1984	8.66	2.49	4.30	2.53	5.66	3.61	4.31	3.29	4.35	3.79	1.83	2.64	3.92	2.15	2.64
1985	5.92	3.12	3.81	6.46	4.68	2.66	4.36	4.12	8.08	4.78	2.04	3.26	4.45	2.66	3.10
1986	7.78	2.61	4.42	5.35	5.68	4.62	5.93	4.27	7.61	3.28	1.88	3.22	4.28	2.84	3.09
1987	8.19	3.44	3.87	5.80	5.22	5.91	4.01	2.56	6.10	4.25	1.96	2.91	4.45	2.81	3.01
1988	7.60	2.33	4.08	3.54	4.44	3.72	4.20	3.93	5.22	2.90	1.97	2.87	3.75	3.06	2.94
1989	4.33	3.82	4.83	5.11	7.83	4.65	7.09	4.41	5.23	2.98	2.23	2.73	4.45	3.44	3.04
1990		3.81	6.29	8.56		9.71			10.87	9.05	2.54	3.15	9.29	3.67	3.68
1991		3.79	4.75	7.47	9.07	5.99	9.66	2.62	8.00	7.25	2.53	3.29	6.68	3.49	3.48
1992	7.65	4.49	4.17	8.79	7.18	7.49	10.72	8.48	12.61	4.78	2.51	3.26	6.56	3.82	3.63
1993	12.65	4.58	4.23	4.96	11.33	8.19	11.76	5.24	8.38	4.32	2.92	3.75	6.22	3.96	3.99
1994	11.83	4.67	4.24	5.06	7.00	5.36	10.99	6.26	7.29	4.91	3.06	3.91	5.82	4.04	4.08
1995	10.22	5.49	5.05	7.95	6.63	5.84	8.79	6.08	7.98	3.78	2.89	3.66	5.78	3.70	3.83
1996	6.28	4.43	5.30	6.84	6.83	3.46	8.87		5.93	3.82	2.95	4.24	5.04	3.96	4.14
1997	3.04	3.38	6.18	13.49	4.39	4.83	7.48	4.14	4.50	3.17	2.83	3.09	4.28	2.97	3.21
1998	3.97	3.46	6.53	5.72	5.50	4.26	6.37	1.97	4.94	2.73	2.42	3.15	4.25	3.10	3.24
1999	3.12	2.29	3.60	8.47	6.34	3.75	7.77	2.33	3.33	3.04	2.66	2.70	3.58	2.92	2.87
2000	6.20	3.72	5.28	4.27	5.73	4.67	5.75	4.04	4.47	3.26	2.29	3.33	4.35	3.33	3.39
2001	3.23	3.87	6.82	5.93	6.66	4.91	9.80	2.99	5.61	3.49	2.86	3.85	4.92	3.26	3.90
AVERAGES:															
1961-71	3.78	2.12	2.36	4.04	3.94	4.20	2.89	2.22	2.72	2.16	1.61	1.87	2.75	1.93	2.04
1972-81	4.64	2.59	2.56	4.12	4.52	3.41	3.98	2.84	3.88	3.52	1.61	2.29	3.40	1.97	2.35
1982-91	6.24	3.13	4.28	5.20	5.90	4.74	5.45	3.46	6.55	4.59	2.02	2.94	4.92	2.82	3.01
1992-01	6.82	4.04	5.14	7.15	6.76	5.28	8.83	4.61	6.50	3.73	2.74	3.49	5.08	3.51	3.63
1961-01	5.28	2.95	3.56	5.10	5.23	4.40	5.22	3.22	4.86	3.47	1.98	2.63	4.00	2.54	2.74

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

MALLARD IMMATURE SEX RATIOS (MALE/FEMALE) IN THE REGULAR SEASON HARVEST
Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	1.72	1.77	1.86	1.88	2.32	1.55	1.37	0.61	1.10	0.99	1.21	1.26	1.64	1.41	1.36
1962	1.17	1.50	1.43	1.99	1.93	1.24	1.49	0.60	0.88	1.07	1.25	1.18	1.37	1.10	1.17
1963	1.92	1.61	1.60	1.72	1.50	1.69	1.14	0.88	1.01	0.85	1.12	1.15	1.44	1.15	1.19
1964	1.13	1.66	1.63	1.70	1.75	1.15	1.57	0.95	1.37	1.12	1.06	1.19	1.47	1.14	1.20
1965	1.35	1.34	1.58	0.70	1.56	2.01	1.10	1.15	1.32	1.16	1.06	1.23	1.37	1.28	1.25
1966	1.30	1.50	1.33	1.79	1.79	1.50	1.41	1.33	1.11	1.31	1.06	1.14	1.43	1.25	1.21
1967	1.39	1.63	1.44	1.99	1.85	1.52	1.40	1.76	1.22	1.11	1.02	1.21	1.50	1.14	1.21
1968	3.45	1.59	2.02	4.40	1.41	4.64	1.27	1.55	1.22	1.19	1.06	1.26	1.73	1.35	1.32
1969	3.11	1.54	1.63	6.84	2.30	2.81	1.27	4.72	1.11	1.52	1.09	1.28	1.73	1.22	1.31
1970	3.81	1.46	1.95	1.85	2.55	2.12	1.34	1.39	1.57	1.21	1.22	1.34	1.68	1.26	1.35
1971	3.97	1.60	1.92	3.30	3.23	2.47	1.47	2.20	1.55	0.95	1.01	1.25	1.90	1.20	1.32
1972	2.93	1.65	1.73	2.97	3.17	2.51	2.64	2.36	1.87	1.16	1.23	1.21	2.00	1.31	1.36
1973	2.96	1.54	2.09	2.18	2.31	2.20	1.77	1.03	1.63	1.40	1.12	1.34	1.88	1.22	1.35
1974	2.82	1.42	1.82	2.07	2.05	1.43	1.88	2.59	2.23	1.89	1.22	1.33	1.79	1.18	1.34
1975	2.09	1.67	2.35	1.93	2.52	2.17	1.82	1.60	2.34	1.28	1.16	1.31	1.89	1.23	1.35
1976	1.80	1.68	1.53	1.55	1.95	2.13	2.76	2.09	2.33	1.17	1.09	1.47	1.76	1.09	1.35
1977	1.99	1.74	1.53	2.99	1.89	1.47	2.62	1.93	1.51	1.11	1.19	1.33	1.77	1.11	1.29
1978	2.78	1.94	2.04	2.21	3.46	1.67	2.20	1.52	1.68	1.58	1.24	1.32	2.10	1.16	1.37
1979	2.10	1.78	2.14	2.98	2.37	1.73	2.56	1.26	2.05	1.29	1.22	1.38	1.95	1.17	1.38
1980	2.92	1.89	1.47	2.19	1.75	1.54	2.53	1.49	2.43	1.69	1.13	1.29	1.84	1.17	1.29
1981	2.22	1.72	2.34	1.88	2.86	1.55	1.87	1.84	1.89	1.52	1.10	1.26	1.91	1.21	1.29
1982	3.57	1.96	2.12	2.98	2.16	1.78	1.83	1.18	1.80	1.27	1.15	1.31	2.06	1.27	1.34
1983	1.97	1.90	2.50	1.93	2.56	1.87	2.58	1.98	1.48	1.19	1.21	1.38	2.02	1.12	1.34
1984	5.60	2.07	2.34	1.65	2.57	1.81	1.85	1.34	2.30	2.01	1.21	1.44	2.19	1.29	1.46
1985	4.07	2.36	2.66	3.87	3.72	2.80	1.99	2.48	3.48	1.30	1.28	1.54	2.57	1.78	1.67
1986	3.29	2.67	2.56	3.26	4.00	2.12	3.73	1.58	2.42	1.69	1.23	1.70	2.74	1.59	1.71
1987	4.11	1.90	2.52	3.77	2.77	3.36	2.64	2.62	3.51	2.00	1.38	1.66	2.46	1.69	1.72
1988	2.48	2.08	3.38	2.98	1.98	1.94	2.22	3.09	2.23	1.10	1.30	1.54	2.08	1.74	1.66
1989	4.34	2.14	2.18	4.45	3.42	3.12	4.36	3.43	2.69	1.28	1.42	1.54	2.41	2.02	1.70
1990	6.62	4.56	2.87	2.77	4.92	7.35	7.38	5.60	5.00	3.79	1.45	1.75	4.59	1.99	1.90
1991	5.64	3.83	1.58	2.81	4.73	2.29	3.63	1.57	3.84	2.55	1.21	1.65	2.86	2.10	1.73
1992	4.97	1.85	2.93	5.15	4.54	3.12	4.29	1.56	4.35	1.80	1.31	1.64	2.98	1.88	1.74
1993	4.04	2.74	1.99	5.97	3.90	3.20	3.96	2.40	4.06	1.52	1.45	1.81	2.71	1.85	1.83
1994	4.86	2.63	3.07	4.24	3.43	4.38	4.14	2.87	4.57	1.94	1.34	1.70	3.03	1.95	1.85
1995	3.05	2.83	2.50	4.35	4.23	2.04	3.30	1.65	2.62	1.40	1.51	1.77	2.58	1.99	1.88
1996	3.50	2.82	3.18	3.24	4.34	3.21	2.89	2.68	1.76	1.65	1.65	1.82	2.92	2.12	1.99
1997	1.96	2.49	2.92	4.89	3.81	2.06	3.62	1.05	2.50	1.53	1.42	1.50	2.49	1.65	1.63
1998	2.35	2.04	2.98	2.97	2.70	2.99	5.46	1.62	2.37	1.34	1.42	1.42	2.35	1.74	1.62
1999	2.28	1.53	2.25	1.38	1.82	1.85	3.40	1.59	1.55	1.46	1.45	1.40	1.81	1.74	1.52
2000	2.49	2.27	2.61	4.46	2.95	1.65	2.59	2.99	2.50	1.42	1.38	1.47	2.26	1.63	1.60
2001	2.56	2.16	2.66	1.63	2.54	2.23	2.70	1.45	1.84	1.14	1.46	1.48	2.04	1.65	1.61
AVERAGES:															
1961-71	2.21	1.56	1.67	2.56	2.02	2.06	1.35	1.56	1.22	1.13	1.11	1.23	1.57	1.23	1.26
1972-81	2.46	1.70	1.90	2.30	2.43	1.84	2.27	1.77	2.00	1.41	1.17	1.32	1.89	1.19	1.34
1982-91	4.17	2.55	2.47	3.05	3.28	2.84	3.22	2.49	2.88	1.82	1.28	1.55	2.60	1.66	1.62
1992-01	3.21	2.34	2.71	3.83	3.43	2.67	3.64	1.91	2.90	1.53	1.44	1.60	2.52	1.82	1.73
1961-01	2.99	2.03	2.18	2.92	2.77	2.35	2.59	1.92	2.22	1.46	1.25	1.42	2.13	1.47	1.48

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

AMERICAN WIGEON ADULT SEX RATIOS (MALE/FEMALE) IN THE REGULAR SEASON HARVEST

Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961					1.54	1.60	0.43	0.89		2.59	4.14	1.58	1.79	2.08	2.10
1962	0.57	0.28	1.10			1.34	1.92	2.00	5.81	2.35	2.23	1.31	1.90	2.75	2.42
1963		0.45	0.76		1.05	1.10	1.64	2.38	1.88	1.53	3.43	1.47	1.24	2.80	2.26
1964	0.68	1.02	0.80	2.26	1.52	2.46	1.26	3.38	1.47	2.60	2.85	2.23	1.95	2.36	2.27
1965		0.57	0.89	1.00	1.84	1.56	1.29	0.55	1.24	3.21	2.04	1.95	1.85	2.83	2.29
1966		0.66	0.97	1.53	0.70	1.49	1.21	2.32	1.78	2.49	2.22	1.73	2.05	1.93	1.90
1967		1.23	1.07	2.09	0.93	0.99	0.79	2.40	1.20	2.97	3.35	2.21	1.62	2.58	2.40
1968		0.40	1.02	0.64	1.12	1.74	1.39	4.71	1.52	2.04	2.38	1.76	1.44	1.86	1.81
1969		0.42	0.47		1.73	2.46	0.57	3.46	1.88	2.42	2.78	2.04	1.97	2.11	2.11
1970	0.25	1.47	0.51	0.78	1.58	2.97	1.23	3.36	1.16	2.07	2.84	1.77	1.73	1.88	1.88
1971	2.13	1.16	3.47	4.07	1.04	1.15	1.07	2.89	1.81	4.35	3.20	3.11	2.48	2.16	2.41
1972		0.82	0.77	0.73	0.82	2.01	1.23	7.71	0.56	2.63	4.02	2.36	1.93	2.64	2.47
1973		0.88	1.69	0.41	2.02	2.11	1.53	4.83	1.47	4.42	3.07	3.08	2.45	3.12	2.94
1974	1.00	2.73	0.84		1.31	9.89	3.86	2.22	1.93	3.49	4.60	2.29	2.90	2.30	2.53
1975		1.03	3.14	1.02	2.20	2.52	2.26	3.54	3.14	2.14	3.28	2.45	2.23	2.16	2.34
1976		1.49	0.80	2.31	1.12	2.33	1.37	2.67	1.70	2.40	3.40	2.31	2.09	1.54	1.89
1977	2.20	1.34	0.39		1.21	1.22	2.11	1.62	2.30	2.58	2.78	2.04	2.02	2.29	2.17
1978	4.65	0.82	1.63	0.71	2.08	1.22	1.41	5.34	1.45	2.94	2.20	2.22	2.26	2.16	2.21
1979	1.77	1.24	0.55	1.80	1.94	0.59	1.39	1.48	1.53	3.82	2.85	2.47	2.38	2.09	2.33
1980	2.66	1.34	2.75	1.42	1.11	0.76	1.81	3.78	1.77	2.90	2.98	2.00	2.49	2.20	2.26
1981		0.61	0.74	0.67	1.72	1.31	0.89	6.16	1.88	3.13	2.14	2.79	2.01	2.45	2.45
1982		0.96	1.03	0.82	1.56	1.92	2.02	3.54	1.46	2.96	4.60	3.19	2.56	2.83	2.86
1983	0.80	1.33	0.66	0.76	1.59	0.40	1.16	3.34	1.28	2.67	2.52	2.36	1.93	2.62	2.34
1984	0.95	0.23	5.11	0.80	1.54	1.90	2.58	1.57	2.53	2.52	2.31	2.77	2.25	2.13	2.65
1985	1.16	1.56	1.75	1.23	1.28	1.21	5.83	4.85	2.18	1.36	5.69	2.19	1.68	2.80	2.67
1986	3.00	2.93	2.22	1.40	1.05	0.98	1.77	2.62	1.35	3.78	2.84	1.75	2.74	2.78	2.58
1987	0.66		1.54	3.15	1.07	0.53	0.70	17.90	2.22	2.55	3.39	2.26	2.26	2.24	2.33
1988	0.44	1.09	0.73	1.46	0.49	3.80	2.46	0.49	2.27	2.27	2.85	1.90	2.04	2.46	2.22
1989	0.33	0.57	2.43	2.04	1.44	2.85	1.20	3.29	3.03	2.69	2.99	2.34	2.42	2.25	2.35
1990		2.50	0.40		0.95	1.15	1.26	5.61	3.73	5.87	3.93	2.56	3.80	2.76	3.02
1991		1.78	0.90	0.44	1.00	4.77	1.91	2.20	4.31	3.13	3.32	2.23	2.84	2.46	2.53
1992									3.35	3.64	4.00	3.11	3.19	3.31	3.26
1993										4.08	4.74	2.72	3.03	2.84	3.01
1994									2.46	3.34	3.32	2.52	2.86	2.78	2.77
1995		1.62	3.22		1.17	1.71			5.06	2.63	2.79	3.71	2.36	2.80	2.92
1996		1.30	3.48		1.75	0.60			1.66	3.19	2.73	2.57	2.72	2.70	2.65
1997		0.72	1.79		1.62	1.10	1.24	2.85	3.27	3.05	3.66	2.51	2.36	2.65	2.60
1998		2.38	2.36		2.49	0.62	3.83	3.73	2.17	2.69	3.04	2.39	2.50	2.43	2.46
1999		1.60	2.77		2.21	3.29	2.86	2.60	3.85	2.76	2.67	3.15	2.73	2.88	2.84
2000		3.09	3.26		1.86	3.05	3.15	3.39	9.78	2.76	2.88	2.75	2.93	3.00	2.85
2001		2.22	4.81			2.99				2.65	2.64	2.34	2.73	2.90	2.68
AVERAGES:															
1961-71	0.91	0.77	1.11	1.77	1.31	1.71	1.16	2.58	1.98	2.60	2.86	1.92	1.82	2.30	2.17
1972-81	2.46	1.23	1.33	1.13	1.55	2.40	1.79	3.94	1.77	3.05	3.13	2.40	2.28	2.30	2.36
1982-91	1.05	1.44	1.68	1.34	1.20	1.95	2.09	4.54	2.44	2.98	3.34	2.46	2.45	2.53	2.56
1992-01		1.85	3.10		1.85	1.91	2.77	3.14	3.95	3.08	3.25	2.78	2.74	2.83	2.80
1961-01	1.45	1.27	1.70	1.40	1.43	1.99	1.79	3.59	2.46	2.92	3.14	2.38	2.31	2.49	2.46

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

AMERICAN WIGEON IMMATURE SEX RATIOS (MALE/FEMALE) IN THE REGULAR SEASON HARVEST
 Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	1.14	0.88		1.54	0.80	1.54	1.18	1.17	0.74	1.54	1.28	1.03	1.13	1.19	1.15
1962	1.98	1.08	1.21	1.00	0.87	0.93	1.46	3.00	0.99	1.83	1.18	1.16	1.34	1.11	1.14
1963	5.09	1.01	1.43	1.97	1.04	1.00	0.96	1.31	1.08	1.16	1.09	1.14	1.16	1.13	1.13
1964	0.84	1.04	0.98	0.38	0.81	1.14	0.94	0.94	1.33	0.83	1.25	1.05	0.93	0.92	0.98
1965	2.42	0.81	1.08	0.58	1.15	0.55	1.09	1.41	1.39	0.75	1.30	1.15	0.92	1.01	1.06
1966	1.18	1.02	0.98	1.17	0.75	1.58	1.32	1.15	0.82	1.01	1.19	1.21	1.03	0.99	1.07
1967	1.13	1.29	0.91	0.60	1.00	1.58	0.97	0.98	1.26	1.35	1.16	1.05	1.12	1.00	1.04
1968	1.08	0.70	1.24	1.63	1.22	0.76	0.79	1.06	1.23	1.41	0.87	0.84	1.04	1.05	0.99
1969	0.55	1.37	1.35	0.67	0.95	1.18	1.77	1.18	1.26	1.38	1.30	1.30	1.30	1.17	1.23
1970	0.60	1.05	1.46	0.94	1.19	1.41	0.92	1.37	1.43	1.00	1.03	1.07	1.08	0.96	1.02
1971	1.42	1.92	1.10	1.30	1.21	0.78	1.43	0.76	1.98	0.59	1.06	1.28	1.12	1.07	1.12
1972	0.53	0.69	0.94	0.50	0.80	1.19	0.72	1.89	1.04	0.83	1.18	1.04	0.84	1.19	1.09
1973	0.92	1.12	0.51	0.76	1.30	1.03	1.04	1.48	1.14	1.02	0.96	1.01	1.03	1.10	1.05
1974	1.46	1.58	0.87	0.97	1.02	0.67	1.15	1.17	0.65	0.92	1.23	1.29	0.95	0.96	1.05
1975	0.95	1.27	1.92	1.49	1.38	0.64	0.71	1.05	1.55	0.86	0.90	1.16	1.06	1.03	1.06
1976	1.94	1.37	0.77	0.56	0.99	0.93	1.36	0.83	1.37	1.17	1.24	1.10	1.15	0.95	1.04
1977	0.65	1.27	2.36	1.09	0.95	1.18	1.09	1.86	1.33	0.90	1.03	1.24	1.09	1.08	1.12
1978	0.88	0.76	2.18	1.60	0.62	1.03	0.95	0.96	1.82	1.14	1.28	1.05	1.14	1.08	1.09
1979	0.25	1.18	0.74	0.99	0.76	1.25	0.96	0.51	0.95	0.81	1.47	1.19	0.86	1.02	1.08
1980	0.45	0.93	1.15	0.94	0.57	1.00	1.19	0.99	1.03	0.94	1.12	0.96	0.95	1.03	1.00
1981	0.35	0.89	1.31	0.44	0.69	1.27	0.60	0.62	0.66	0.65	1.09	0.86	0.75	0.89	0.86
1982	1.17	1.20	1.00	0.71	0.73	1.04	0.83	0.47	1.08	0.94	1.16	1.23	0.92	0.88	1.01
1983	0.61	0.98	0.98	0.89	0.92	0.96	1.09	0.76	0.82	0.98	1.19	1.12	0.96	1.08	1.07
1984	0.81	0.77	0.93	1.30	1.65	1.08	1.38	1.12	1.11	0.59	1.70	1.19	0.92	1.01	1.09
1985	8.56	1.60	0.50	1.62	1.83	1.23	1.85	0.51	1.27	1.17	0.96	0.93	1.30	1.21	1.14
1986	1.05	1.33	0.99	1.03	1.18	0.65	1.17	0.87	0.91	0.67	1.19	1.05	0.91	1.00	1.02
1987	0.25	0.69	1.11	0.87	0.65	1.57	0.92	1.65	0.84	1.02	1.17	1.19	0.94	1.07	1.08
1988	1.30	2.14	1.06	0.86	0.50	0.47	0.48	0.70	0.75	0.58	0.91	0.84	0.71	0.89	0.85
1989	0.68	1.60	0.49	0.85	0.89	0.86	0.93	2.20	1.03	0.99	1.22	1.32	0.92	1.09	1.14
1990	1.07	1.01	1.36	0.80	1.10	2.97	2.24	4.28	3.37	2.05	0.55	1.03	1.82	0.96	1.05
1991	1.57	0.82	1.99	1.30	0.90	1.14	0.86	0.97	1.74	0.83	0.98	1.13	1.01	0.97	1.02
1992			1.03				1.55		1.31	0.83	0.87	1.33	1.06	1.26	1.10
1993										1.20	0.94	1.11	1.22	0.95	1.00
1994		0.87	1.30		0.89		1.10		1.19	0.93	1.04	1.09	1.03	1.06	1.05
1995		0.89	0.80		3.08	0.75			0.84	1.11	1.42	1.07	1.08	0.96	1.04
1996		1.03	1.27		3.09	0.82			1.26	1.06	1.10	1.01	1.02	1.09	1.05
1997		0.83	1.04		0.98	1.17	1.08	1.26	0.86	1.02	1.21	1.06	0.98	1.13	1.07
1998		0.74	1.35		2.36	1.71	0.93	1.15	0.80	1.39	0.91	0.93	1.20	1.13	1.07
1999		1.00	1.75		1.32	0.83	1.21	0.42	0.86	1.00	1.08	1.02	0.99	1.01	1.01
2000		0.84	0.62		1.50	1.19	0.54	1.71	0.96	0.87	1.15	0.85	0.89	0.89	0.88
2001		1.37				1.07				0.74	0.92	1.19	1.07	1.07	1.07
AVERAGES:															
1961-71	1.58	1.11	1.17	1.07	1.00	1.13	1.17	1.30	1.23	1.17	1.16	1.12	1.11	1.05	1.08
1972-81	0.84	1.11	1.28	0.93	0.91	1.02	0.98	1.14	1.15	0.92	1.15	1.09	0.98	1.03	1.04
1982-91	1.71	1.21	1.04	1.02	1.04	1.20	1.18	1.35	1.29	0.98	1.10	1.10	1.04	1.02	1.05
1992-01		0.95	1.15		1.89	1.08	1.07	1.14	1.01	1.02	1.06	1.07	1.05	1.06	1.03
1961-01	1.38	1.10	1.16	1.01	1.15	1.11	1.10	1.25	1.18	1.03	1.12	1.09	1.05	1.04	1.05

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

BLUE-WINGED TEAL ADULT SEX RATIOS (MALE/FEMALE) IN THE REGULAR SEASON HARVEST
Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961										3.34	1.38	0.89	0.82	1.11	1.03
1962		0.86	1.50							1.04	1.53	0.61	0.92	1.07	0.90
1963		0.37	0.64		0.43		0.76				1.72	0.66	0.78	1.25	0.88
1964		0.61	0.34		0.30		0.18			3.25	2.03	0.72	1.10	1.53	0.98
1965		0.51	0.12			0.67	0.81	3.05		4.63	1.62	1.43	1.20	1.82	1.53
1966			0.58						0.64	8.69	1.58	1.12	2.65	1.14	1.26
1967		0.46	0.13		1.09		0.59			5.05	1.87	0.64	1.17	0.94	0.85
1968	1.50	0.19	0.19		2.27	0.62				2.34	2.68	1.24	0.92	1.50	1.40
1969		1.58	5.44		0.71					2.16	0.79	0.88	2.22	1.46	1.09
1970	3.39	0.86	0.12				0.58			3.31	2.67	0.78	1.96	1.24	1.13
1971		0.40	0.27		0.44		0.47		2.08	1.92	1.60	0.66	0.66	0.97	0.74
1972		0.49	0.84		0.31		0.55	2.00	2.34	1.34	1.85	1.10	0.95	1.53	1.24
1973		0.45	0.37		0.44	0.58	0.45	0.77	1.00	1.18	1.29	0.89	0.64	1.38	1.01
1974	0.25	0.24	0.26	1.39	0.29	0.65	1.85	1.12	0.27	0.95	1.78	0.88	0.69	1.25	1.01
1975	1.37	0.49	0.75	3.73	0.54	0.68	0.51			1.20	1.42	0.84	0.77	0.89	0.87
1976	0.44	0.23	0.36		1.18	1.81	1.17			1.44	1.33	0.99	0.98	1.85	1.14
1977		0.06	0.61		0.63	0.61	0.54		0.34	2.58	2.16	1.11	1.06	1.88	1.28
1978		0.04	1.11		2.06					2.78	1.83	0.66	1.14	1.54	0.91
1979	0.53	0.56	0.29	1.60	0.85	3.87	3.10	1.34	2.03	2.17	1.61	0.71	1.09	1.24	0.93
1980		0.22	0.79		0.24	0.24	6.62	1.82	0.31	1.19	1.20	1.30	0.80	0.75	1.13
1981		0.73	0.79	0.64	0.94	0.65	0.66	0.54	2.12	1.28	1.27	0.75	1.07	1.03	0.90
1982		0.78	0.65	0.71	0.82	1.91	0.66	0.54	2.12	1.03	1.95	0.82	1.68	0.98	0.92
1983	1.49	0.56	0.15	0.68	0.51	0.13	0.51	0.47	1.64	1.55	1.38	0.67	0.71	1.20	0.84
1984	0.36	0.55	1.07	8.53	0.47	0.71	1.70	0.23	2.10	1.67	1.66	0.88	1.26	1.28	1.04
1985		0.43	1.01		0.36	2.08	4.40		2.85	1.10	1.43	1.37	1.68	0.85	1.32
1986	1.21	1.14	0.45	1.96	0.57	3.05	3.10	0.70	0.82	2.28	1.75	0.90	1.59	1.20	1.13
1987	1.00		3.37		1.70				2.87	1.55	2.30	1.58	1.18	1.28	1.53
1988	2.00	2.72	0.26		0.75		0.13			0.97	2.11	1.46	0.88	1.18	1.40
1989	1.29	2.15	0.16		0.52	0.74	0.77			6.66	1.64	1.45	1.27	1.59	1.48
1990		1.64	0.35		0.36	0.10	1.07			4.14	1.19	1.64	0.97	0.92	1.34
1991			0.33		0.25	0.26	0.93			3.21	2.00	1.18	1.38	1.13	1.33
1992										1.96	1.71	1.05	0.92	1.18	1.17
1993											1.93	1.49	1.20	1.73	1.56
1994											1.47	1.26	1.16	2.67	1.37
1995		0.38	0.63		0.19					1.86	1.88	1.25	0.71	1.60	1.31
1996		0.12	0.37		0.40					0.74	1.74	1.29	0.40	2.07	1.27
1997		0.32	0.57		1.24	0.81	2.64			1.26	1.71	1.40	0.89	1.31	1.34
1998		0.25	0.45		0.37		0.90			1.03	2.08	1.95	0.80	1.11	1.51
1999		0.24	0.26		0.31	0.23	1.00			1.34	1.57	1.29	0.62	1.45	1.23
2000		0.58	0.65		0.06	0.36				1.40	1.46	1.40	0.92	2.36	1.38
2001											1.60	1.76	1.22	1.46	1.60
AVERAGES:															
1961-71	2.45	0.65	0.93		0.87	0.65	0.57	3.05	1.36	3.57	1.77	0.88	1.31	1.28	1.07
1972-81	0.65	0.35	0.62	1.84	0.80	1.14	1.85	1.41	0.94	1.61	1.57	0.92	0.92	1.33	1.04
1982-91	1.23	1.25	0.78	2.97	0.63	1.12	1.47	0.49	2.07	2.42	1.74	1.20	1.26	1.16	1.23
1992-01		0.32	0.49		0.43	0.47	1.51			1.37	1.72	1.41	0.88	1.69	1.37
1961-01	1.24	0.64	0.73	2.41	0.69	0.99	1.38	1.20	1.45	2.31	1.70	1.10	1.10	1.36	1.18

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

BLUE-WINGED TEAL IMMATURE SEX RATIOS (MALE/FEMALE) IN THE REGULAR SEASON HARVEST
Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1961	0.87	2.47		1.00	1.07		1.36	2.20		2.00	0.83	0.58	1.56	0.92	0.82
1962		1.65	0.54		1.06					1.20	1.07	0.62	1.14	0.81	0.75
1963	2.16	0.88	0.98		1.00		0.90			1.72	0.89	0.86	0.97	0.99	0.90
1964	0.85	0.92	0.85	3.00	0.90		0.84	2.67	1.77	0.92	0.83	0.85	0.91	0.65	0.81
1965	0.43	1.25	1.17	2.13	0.75	1.02	0.75	0.03	1.01	1.00	0.81	0.76	0.94	0.77	0.79
1966	2.05	1.03	1.08	1.10	3.19		1.55	6.77	1.26	0.61	0.87	0.82	1.01	0.69	0.83
1967	0.64	0.78	0.75	0.68	1.32		0.77	1.00	0.82	0.49	0.92	0.94	0.80	0.89	0.90
1968	0.75	0.91	0.55		1.52	0.50	1.97			0.54	0.77	1.03	0.93	0.81	0.92
1969	2.22	1.10	0.91		0.71	1.00	0.80	0.14	0.93	3.86	0.75	0.71	1.07	0.62	0.74
1970	1.70	1.03	0.91	1.23	0.75	1.36	0.93	0.54	0.71	0.65	0.72	0.88	0.85	0.83	0.85
1971	1.00	1.24	1.04	1.35	0.79	0.69	1.37	0.11	1.36	0.95	1.16	0.85	1.08	0.92	0.92
1972	3.68	0.82	0.81	0.59	0.55	0.93	0.56		3.28	1.09	0.68	0.91	0.93	0.72	0.86
1973	0.62	0.82	1.26	2.01	1.14	0.82	1.08		5.52	0.85	0.75	0.84	1.00	0.86	0.87
1974	0.83	1.12	0.98	0.53	1.62	0.97	2.34		0.79	0.79	0.89	0.83	1.03	0.81	0.87
1975	1.07	1.08	0.89	0.87	0.87	1.22	0.67	4.00	2.23	0.80	0.56	0.87	0.92	0.94	0.86
1976	1.25	0.98	0.87	0.93	0.59	1.39	0.37	3.00	0.52	0.99	0.80	0.80	0.91	0.81	0.82
1977		0.92	2.87	3.21	1.24	1.22	1.94	0.51	0.85	2.11	0.68	0.84	1.48	0.84	0.89
1978	0.49	1.03	0.75	1.31	1.16	1.01	1.00	1.20	0.47	0.89	0.88	0.87	0.90	0.77	0.86
1979	1.43	0.83	0.82	0.76	1.02	0.98	1.73		1.15	0.69	0.83	0.85	0.89	1.20	0.88
1980		1.11	1.52	1.80	1.54	0.84	0.81	0.43	4.04	0.59	1.04	0.79	0.95	1.13	0.88
1981	4.94	1.17	0.74	0.65	0.50	0.90	1.04	0.32	0.89	1.14	1.11	0.81	0.98	0.97	0.88
1982	0.79	1.08	0.64	1.85	0.72	0.86	0.92	1.08	0.91	0.54	0.76	0.83	0.81	0.77	0.81
1983	1.45	1.47	1.36	1.60	1.41	1.13	1.26	1.13	0.88	0.96	0.91	0.78	1.24	0.94	0.85
1984	0.59	0.82	1.25	1.20	0.73	0.83	0.80	0.54	0.98	0.62	0.73	0.86	0.81	0.87	0.84
1985	3.14	0.56	0.72	0.76	0.95	0.93	0.68	0.33	0.80	0.82	0.75	0.77	0.84	0.70	0.77
1986	1.29	1.05	0.81	0.75	0.63	0.76	0.65	0.73	1.24	0.88	0.83	1.02	0.85	0.78	0.94
1987		1.22	0.86	0.15	0.94	0.95	2.41	0.65	0.76	0.67	0.92	0.63	0.80	1.36	0.74
1988		0.92	0.74	0.39	1.66	1.68	0.77		0.88	0.72	0.89	0.98	0.98	0.86	1.10
1989	1.31	0.75	1.63	1.21	0.85	1.86	1.77		0.85	0.99	0.83	0.83	1.18	0.83	0.90
1990	1.87	0.90	0.94	3.91	1.28	1.97	2.60	1.33		2.87	0.77	0.88	1.56	1.10	0.95
1991	0.63	0.54	0.61	6.24	2.64	0.61	1.54	0.67		1.77	0.85	0.90	0.90	0.80	0.89
1992					1.47	1.47				0.86	1.06	0.87	0.94	1.26	0.96
1993			0.81		0.99						0.91	1.24	0.82	1.01	1.06
1994		1.13	0.75							0.98	0.74	0.94	1.02	0.84	0.92
1995		1.04	1.01		0.90					0.71	0.88	1.06	0.98	1.17	1.02
1996		0.92	1.02	2.81	0.86	1.14	2.18			1.22	0.71	1.02	1.03	0.96	0.98
1997		0.82	0.97		1.09	1.03	0.77			0.83	0.88	0.95	0.88	0.78	0.91
1998		0.83	0.83		0.79	1.46				0.92	0.80	0.88	0.94	1.09	0.91
1999		0.80	1.00		0.88	1.27	1.40			1.10	0.71	1.06	1.01	1.06	1.01
2000		0.84	0.82		1.55	2.29				1.02	0.92	0.85	1.03	0.99	0.92
2001		0.99	0.79		0.67					1.11	1.04	1.17	0.98	1.07	1.11
AVERAGES:															
1961-71	1.27	1.21	0.88	1.50	1.19	0.91	1.12	1.68	1.12	1.27	0.87	0.81	1.02	0.81	0.84
1972-81	1.79	0.99	1.15	1.27	1.02	1.03	1.15	1.58	1.97	0.99	0.82	0.84	1.00	0.91	0.87
1982-91	1.38	0.93	0.96	1.81	1.18	1.16	1.34	0.81	0.93	1.09	0.82	0.84	1.00	0.90	0.88
1992-01		0.92	0.89	2.81	1.02	1.44	1.45			0.97	0.87	1.00	0.96	1.02	0.98
1961-01	1.46	1.02	0.97	1.57	1.11	1.12	1.24	1.34	1.44	1.09	0.85	0.87	1.00	0.91	0.89

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

BLUE-WINGED TEAL ADULT SEX RATIOS (MALE/FEMALE) IN THE SEPTEMBER AND REGULAR SEASON HARVESTS

Derived from the Parts Collection Survey

YR	ATLANTIC FLYWAY				MISSISSIPPI FLYWAY				CENTRAL FLYWAY				PACIFIC FLYWAY		UNITED STATES TOTAL			
	September		Regular		September		Regular		September		Regular		Regular		September		Regular	
	M/F	Wings	M/F	Wings	M/F	Wings	M/F	Wings	M/F	Wings	M/F	Wings	M/F	Wings	M/F	Wings	M/F	Wings
1961			1.38	159			0.89	285			0.82	103	1.11	212			1.03	759
1962			1.53	208			0.61	1,022			0.92	173	1.07	503			0.90	1,906
1963			1.72	421			0.66	2,441			0.78	687	1.25	792			0.88	4,341
1964			2.03	559			0.72	1,353			1.10	491	1.53	646			0.98	3,049
1965			1.62	412	1.13	6,641	1.43	530	1.34	9,229	1.20	272	1.82	548	1.17	15,870	1.53	1,762
1966			1.58	626	2.01	4,998	1.12	799	1.24	7,710	2.65	242	1.14	260	1.67	12,708	1.26	1,927
1967			1.87	429	1.21	5,260	0.64	702	0.95	8,277	1.17	415	0.94	556	1.12	13,537	0.85	2,103
1968			2.68	285			1.24	465			0.92	268	1.50	352			1.40	1,406
1969			0.79	484	1	870	0.88	846	1	822	2.22	342	1.46	269	1	1,692	1.09	1,942
1970	1.88	113	2.67	569	2.33	570	0.78	1,516	1.90	1,294	1.96	517	1.24	325	2.21	1,977	1.13	2,933
1971	5.00	51	1.60	300	1.17	565	0.66	1,330	1.65	451	0.66	810	0.97	362	1.30	1,067	0.74	2,802
1972	1.33	22	1.85	537	2.40	432	1.10	909	1.62	392	0.95	565	1.53	422	2.08	846	1.24	2,437
1973			1.29	714	1.69	954	0.89	1,627	1.78	598	0.64	994	1.38	573	1.72	1,552	1.01	3,913
1974			1.78	500	1.35	754	0.88	1,100	1.60	733	0.69	546	1.25	619	1.46	1,487	1.01	3,767
1975			1.42	562	1.39	1,541	0.84	2,615	1.48	1,063	0.77	961	0.89	607	1.42	2,604	0.87	4,745
1976			1.33	682	1.37	926	0.99	1,124	1.45	853	0.98	502	1.85	551	1.39	1,779	1.14	2,863
1977			2.16	392	1.61	807	1.11	1,147	1.84	957	1.06	356	1.88	451	1.69	1,764	1.28	2,355
1978			1.83	651	1.10	1,254	0.66	1,216	2.23	898	1.14	510	1.54	353	1.29	2,152	0.91	2,732
1979			1.61	936	1.09	934	0.71	1,603	1.89	959	1.09	711	1.24	315	1.30	1,893	0.93	3,571
1980			1.20	638	1.59	843	1.30	1,025	1.43	741	0.80	281	0.75	308	1.54	1,584	1.13	2,269
1981			1.27	402	2.27	581	0.75	909	2.64	486	1.07	544	1.03	399	2.38	1,067	0.90	2,201
1982			1.95	628	1.57	813	0.82	1,733	2.68	826	1.68	625	0.98	571	1.79	1,639	0.92	3,488
1983			1.38	1,029	2.76	1,086	0.67	2,492	2.06	819	0.71	778	1.20	598	2.54	1,905	0.84	5,072
1984	2.24	132	1.66	796	1.41	1,347	0.88	2,288	1.65	1,039	1.26	908	1.28	498	1.48	2,518	1.04	4,494
1985	3.22	125	1.43	552	1.35	937	1.37	879	1.81	1,001	1.68	421	0.85	294	1.51	2,063	1.32	2,150
1986	1.48	71	1.79	496	1.48	904	0.90	1,269	2.02	1,192	1.59	771	1.20	264	1.65	2,096	1.13	2,804
1987	1.23	87	2.30	390	1.72	1,053	1.58	653	1.17	1,066	1.18	322	1.28	207	1.53	2,206	1.54	1,572
1988			2.11	308			1.46	610			0.88	174	1.18	258			1.40	1,356
1989			1.64	366			1.45	789			1.27	358	1.59	567			1.47	2,083
1990			1.19	364			1.64	707			0.97	275	0.92	432			1.34	1,780
1991			2.00	274			1.18	601			1.38	225	1.13	293			1.33	1,394
1992	4.68	63	1.71	333	2.05	1,093	1.05	763	1.97	1,171	0.92	360	1.18	430	2.05	2,327	1.17	1,888
1993	1.44	48	1.93	360	2.82	824	1.49	839	2.48	971	1.20	417	1.73	550	2.67	1,843	1.56	2,167
1994	3.28	109	1.47	496	2.17	1,137	1.26	1,571	2.22	1,182	1.16	459	2.67	301	2.19	2,428	1.37	2,827
1995	5.55	79	1.88	787	1.62	1,254	1.25	1,977	1.33	1,458	0.71	664	1.60	530	1.61	2,791	1.31	3,958
1996	3.47	141	1.74	748	1.40	916	1.29	1,826	2.92	808	0.40	857	2.07	453	1.69	1,865	1.27	3,884
1997	2.89	198	1.71	596	2.03	972	1.40	1,619	1.90	832	0.89	979	1.31	606	2.04	2,002	1.34	3,804
1998	2.85	124	2.08	574	3.20	784	1.95	1,309	1.72	699	0.80	885	1.11	547	2.67	1,607	1.51	3,318
1999	3.10	205	1.57	585	2.20	1,381	1.29	1,032	1.50	1,015	0.62	700	1.45	555	2.06	2,601	1.23	2,873
2000	2.22	172	1.46	460	2.07	1,389	1.40	963	1.35	1,171	0.92	841	2.36	360	1.94	2,732	1.38	2,624
2001	2.74	136	1.60	405	3.12	1,172	1.76	1,428	2.55	889	1.22	736	1.46	429	2.97	2,197	1.60	3,001
AVERAGES:																		
1961-71	3.44	82	1.77	405	1.57	3,151	0.88	1,026	1.42	4,631	1.31	393	1.28	439	1.49	7,809	1.07	2,266
1972-81	1.33	22	1.57	601	1.59	903	0.92	1,328	1.80	768	0.92	597	1.33	460	1.63	1,673	1.04	3,085
1982-91	2.04	104	1.75	520	1.72	1,023	1.20	1,202	1.90	991	1.26	486	1.16	398	1.75	2,071	1.23	2,619
1992-01	3.22	128	1.72	534	2.27	1,092	1.41	1,333	1.99	1,020	0.88	690	1.69	476	2.19	2,239	1.37	3,034
1961-01	2.86	110	1.70	513	1.83	1,406	1.10	1,217	1.82	1,613	1.10	538	1.36	443	1.81	3,075	1.18	2,740

¹ All September age and sex ratios listed as 1.00 despite good sample sizes: Omitted here.

DUCK HARVESTS IN CANADA

D.E. SHARP S:\WKFILES\DATABOOK\AGERATIO.123

ESTIMATES OF MALLARD HARVESTS IN CANADA

YR	NF	PE	NS	NB	PQ	ON	MB	SK	AB	BC	NT	YT	TOTAL
1968 ¹					41,800	231,700	148,600	191,500	275,000	138,300			1,026,900
1969 ¹	100	200	900	500	38,400	228,900	281,300	386,300	541,800	131,900			1,610,300
1970 ¹			700	1,000	42,200	213,900	310,300	687,200	634,300	133,800			2,023,400
1971 ¹		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	4,500	2,200	74,000	262,100	68,300	74,800	186,700	57,100	1,600	800	734,400
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	78,201	195,276	107,203	49,272	510	72	689,447
2001	601	1,192	5,721	7,047	79,896	166,629	92,115	107,413	94,699	35,575	643	229	591,760
AVERAGES:													
1972-79	575	300	1,150	1,075	69,263	279,263	188,025	464,888	543,013	116,363	7,720	1,260	1,669,525
1980-89	1,010	960	3,070	2,260	87,750	285,780	127,590	191,480	273,700	87,480	3,540	850	1,065,470
1990-99	1,002	797	5,083	4,642	84,381	189,594	74,054	102,430	118,236	49,571	1,008	299	631,096
1972-02	894	769	3,398	3,022	81,232	243,894	123,032	232,030	282,179	79,542	3,157	670	1,053,436

¹ Estimates for 1968-71 are useful only for distribution of harvest among provinces. They are not comparable with estimates in subsequent years because different survey procedures were used.

ESTIMATES OF PINTAIL HARVESTS IN CANADA

YR	NF	PE	NS	NB	PQ	ON	MB	SK	AB	BC	NT	YT	TOTAL
1968 ¹	N/A	N/A	N/A	N/A	21,300	N/A	25,800	16,300	51,200	55,500	N/A	N/A	170,100
1969 ¹	2,200	800	500	1,000	20,500	10,900	21,100	33,800	48,700	23,700	N/A	N/A	163,200
1970 ¹	900	1,300	1,400	1,900	26,600	14,900	30,700	66,400	78,100	36,500	N/A	N/A	258,700
1971 ¹	1,000	700	600	1,500	25,800	10,400	20,300	46,000	71,600	28,400	N/A	N/A	206,300
1972	1,000	400	400	400	16,900	9,700	16,700	29,100	68,900	48,700	N/A	N/A	192,200
1973	2,600	500	1,100	1,000	19,400	10,500	18,300	31,000	94,700	48,900	N/A	N/A	228,000
1974	1,100	1,100	1,300	1,300	21,000	10,800	10,700	51,900	98,700	25,700	N/A	N/A	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	9,400	6,700	9,000	9,000	8,800	0	800	60,500
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	1,300	600	300	1,400	15,300	11,600	7,700	5,100	12,000	8,300	200	0	63,800
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	8,766	16,168	13,603	5,825	50	0	58,348
2001	137	0	401	611	4,911	3,709	9,207	7,051	8,732	4,807	19	60	39,645
AVERAGES:													
1972-79	1,500	788	838	1,088	23,100	11,850	17,038	33,225	70,413	31,625	1,460	360	192,600
1980-89	1,290	990	780	1,200	15,000	13,180	11,180	9,930	25,510	13,720	450	370	93,600
1990-99	1,205	615	707	1,025	9,272	5,387	8,191	8,373	8,989	5,459	99	61	49,382
1972-02	1,252	762	749	1,072	14,630	9,653	11,599	15,735	31,021	15,181	476	228	102,287

¹ Estimates for 1968-71 are useful only for distribution of harvest among provinces. They are not comparable with estimates in subsequent years because different survey procedures were used.

ESTIMATES OF ALL-DUCK HARVESTS IN CANADA

YR	NF	PE	NS	NB	PQ	ON	MB	SK	AB	BC	NT	YT	NUN	TOTAL
1968 ¹	44,300	19,400	54,800	59,600	333,300	794,000	295,700	292,700	459,100	362,600	N/A	N/A		2,715,500
1969 ¹	62,700	25,300	50,100	62,900	465,700	928,100	467,300	557,700	778,200	270,100	N/A	N/A		3,668,100
1970 ¹	66,500	28,900	59,200	61,000	464,900	872,300	518,100	930,500	904,700	283,900	N/A	N/A		4,190,000
1971 ¹	53,300	30,500	71,100	56,600	454,500	739,000	332,200	690,200	848,000	228,600	N/A	N/A		3,504,000
1972	56,200	18,200	55,700	51,100	414,900	815,700	356,200	615,100	800,200	260,700	N/A	N/A		3,444,000
1973	111,500	18,000	117,400	51,900	493,100	752,700	251,900	471,900	831,600	255,400	N/A	N/A		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	N/A	N/A		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	102,300	1,200	800		2,000,200
1990	91,500	20,100	104,000	70,500	456,300	684,500	111,800	115,900	231,900	96,200	2,100	500		1,985,300
1991	55,800	28,500	76,700	47,600	357,400	618,600	106,700	102,800	164,600	79,800	800	1,100		1,640,400
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	298,998	512,934	135,147	149,321	152,792	62,222	2,156	1,392		1,577,685
1996	56,533	19,257	79,992	56,202	255,647	460,414	168,503	190,133	183,079	72,241	1,988	597		1,544,586
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
AVERAGES:														
1972-79	108,675	26,813	105,863	57,263	521,125	874,563	314,150	627,575	803,188	233,613	17,400	3,600		3,685,950
1980-89	103,720	31,410	102,260	64,980	469,300	815,520	225,210	253,450	392,640	152,540	7,570	2,130		2,620,730
1990-99	64,706	20,600	86,462	56,891	322,993	515,632	136,854	149,581	170,259	77,676	1,711	846		1,604,211
1972-02	88,916	25,532	95,393	59,032	418,407	701,328	215,009	314,890	411,684	143,336	6,736	1,801	57	2,481,213

¹ Estimates for 1968-71 are useful only for distribution of harvest among provinces. They are not comparable with estimates in subsequent years because different survey procedures were used.

DUCK HARVESTS IN NORTH AMERICA

D.E. SHARP S:\WKFILES\DATABOOK\NAHARV.123

ESTIMATES OF MALLARD HARVESTS IN THE UNITED STATES (based on MQS) AND CANADA

YR	UNITED STATES						CANADA					NORTH AMERICAN TOTAL
	ATLANTIC FLYWAY	MISSISSIPPI FLYWAY	CENTRAL FLYWAY	PACIFIC FLYWAY	ALASKA	U.S. TOTAL	EASTERN CANADA ¹	MB/SK/AB	BRITISH COLUMBIA	NT and YT	CANADA TOTAL	
1980	435,042	2,347,397	786,838	1,081,558	31,402	4,682,237	377,400	1,047,000	103,400	6,400	1,534,200	6,216,437
1981	444,614	2,062,147	784,424	1,051,567	22,889	4,365,641	382,900	793,000	115,000	3,300	1,294,200	5,659,841
1982	396,087	1,781,527	683,066	1,047,072	29,013	3,936,765	432,600	686,400	91,500	3,100	1,213,600	5,150,365
1983	417,402	2,019,647	772,567	1,211,535	27,476	4,446,880	393,600	809,300	121,600	4,900	1,329,400	5,776,280
1984	382,695	1,796,228	742,789	1,002,925	27,245	3,951,882	355,600	604,600	89,900	9,200	1,059,300	5,011,182
1985	319,878	1,532,919	510,761	957,871	20,098	3,341,527	395,900	423,800	81,800	7,000	908,500	4,250,027
1986	362,636	1,550,948	586,619	870,894	29,311	3,399,330	358,700	446,600	72,200	1,700	879,200	4,278,530
1987	340,416	1,460,510	612,465	792,950	25,014	3,229,645	445,500	515,900	78,300	800	1,040,500	4,270,145
1988	257,062	874,640	324,709	532,958	25,646	2,015,016	321,000	271,300	64,000	5,100	661,400	2,676,416
1989	321,539	1,094,664	335,216	582,170	22,930	2,356,519	345,100	329,800	57,100	2,400	734,400	3,090,919
1990	266,849	1,091,129	326,984	602,540	32,531	2,320,033	357,800	309,400	60,100	2,400	729,700	3,049,733
1991	317,713	1,189,734	293,744	553,618	20,281	2,375,090	306,600	251,500	51,700	800	610,600	2,985,690
1992	294,247	1,249,427	370,964	630,222	21,172	2,566,033	299,095	228,496	51,840	912	580,343	3,146,376
1993	313,619	1,336,829	395,721	688,903	18,210	2,753,282	306,208	171,211	43,430	1,705	522,554	3,275,836
1994	328,495	1,524,083	517,113	743,356	14,055	3,127,102	303,387	252,700	49,233	2,200	607,520	3,734,622
1995	423,976	2,342,566	711,693	946,032	19,728	4,443,994	271,223	289,550	40,782	1,787	603,342	5,047,336
1996	407,176	2,483,720	782,766	1,188,838	26,969	4,889,468	268,775	328,542	42,447	1,326	641,090	5,530,558
1997	478,231	2,848,412	913,186	1,159,787	33,135	5,432,751	271,059	391,563	55,513	563	718,698	6,151,449
1998	440,711	2,760,767	980,162	1,427,077	31,324	5,640,040	256,342	353,757	52,663	1,157	663,919	6,303,959
1999	439,152	3,082,407	914,596	1,128,687	21,777	5,586,620	214,495	370,479	48,002	220	633,196	6,219,816
2000	498,994	3,041,196	1,112,643	1,025,082	18,191	5,696,106	258,913	380,680	49,272	582	689,447	6,385,553
2001	399,360	2,500,160	1,303,621	975,787	23,627	5,202,556	261,086	294,227	35,575	872	591,760	5,794,316
AVERAGES:												
1980-89	367,737	1,652,063	613,945	913,150	26,102	3,572,544	380,830	592,770	87,480	4,390	1,065,470	4,638,014
1990-99	371,017	1,990,907	620,693	906,906	23,918	3,913,441	285,498	294,720	49,571	1,307	631,096	4,544,538
1980-01	376,632	1,907,775	671,029	918,247	24,637	3,898,114	326,513	434,082	66,153	2,656	829,403	4,727,518

¹ NF, PE, NS, NB, PQ, and ON

GOOSE HARVESTS IN NORTH AMERICA

D.E. SHARP S:\DATABOOK\TITLES\GOOSEHAR.123

ESTIMATED HARVESTS OF WHITE-FRONTED GEESE (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S. TOTAL	CANADA TOTAL	U.S. + CANADA
1962	0	272	595	0	533	0	1,238	0	309	20,647	0	2,642	23,594	51,655	77,891		
1963	0	8,035	577	0	2,541	0	1,105	0	658	17,552	0	7,389	30,468	63,045	100,902		
1964	0	6,510	539	0	1,192	0	1,735	0	291	14,107	0	11,873	24,374	57,567	93,814		
1965	0	687	634	0	273	0	775	0	334	10,375	0	22,238	13,078	46,390	81,706		
1966	0	1,280	562	0	745	0	724	0	753	31,240	0	43,815	35,304	71,999	151,118		
1967	0	3,907	872	0	611	0	834	0	321	17,690	0	21,258	24,235	68,742	114,235		
1968 ¹	0	1,991	570	0	1,219	0	293	65	488	16,196	0	5,225	20,822	52,475	78,522	41,694	120,216
1969 ¹	205	1,837	398	0	1,049	0	1,078	0	743	26,532	0	38,470	31,842	73,191	143,503	41,144	184,647
1970 ¹	0	670	1,584	0	738	0	511	0		23,915	0	40,171	27,418	76,339	143,928	55,409	199,337
1971 ¹	262	5,800	942	0	4,991	0	4,152	0	341	21,295	0	19,523	37,783	37,865	95,171	36,019	131,190
1972	237	268	1,104	0	3,321	0	5,632	0	1,415	26,664	0	12,900	38,641	54,324	105,865	51,692	157,557
1973	209	8,081	1,852	0	926	0	3,313	0	422	39,307	0	33,364	54,110	48,097	135,571	59,038	194,609
1974	50	1,945	521	0	579	0	3,435	0	460	27,633	0	10,102	34,623	41,592	86,317	51,799	138,116
1975	321	2,256	439	0	1,266	99	1,817	0	1,136	40,287	0	29,282	47,621	38,485	115,388	63,396	178,784
1976	0	992	0	0	785	0	301	0	889	29,992	0	22,248	32,959	46,010	101,217	61,762	162,979
1977	0	5,084	996	0	1,031	0	1,820	0	891	39,332	0	18,660	49,154	35,566	103,380	57,782	161,162
1978	893	478	1,384	55	1,811	440	1,858	44	537	36,679	0	33,376	44,179	38,021	115,576	62,128	177,704
1979	50	1,926	714	0	2,944	0	1,944	0	1,104	45,973	0	29,119	54,655	24,395	108,169	60,938	169,107
1980	130	1,799	553	0	678	0	746	0	546	70,432	105	28,097	74,884	20,874	123,960	79,011	202,971
1981	153	2,586	1,585	109	1,473	0	2,466	50	230	72,234	0	94,871	80,886	22,851	198,608	52,532	251,140
1982	217	416	965	0	1,337	0	1,109	0	1,974	56,999	486	51,421	63,017	16,772	131,696	50,939	182,635
1983	56	1,872	421	0	1,366	0	1,250	34	826	46,003	257	61,646	51,828	17,137	130,868	56,285	187,153
1984	220	5,827	1,490	0	1,982	259	2,258	0	804	65,357	67	67,160	78,197	8,306	153,730	53,285	207,015
1985	62	1,400	1,077	61	1,789	161	1,446	0	1,644	43,833	77	46,812	51,473	15,671	114,033	51,601	165,634
1986	0	666	1,067	0	2,430	154	1,654	0	153	27,767	0	34,016	33,891	8,836	76,743	59,092	135,835
1987	29	831	489	0	896	166	904	0	386	51,315	0	32,148	55,016	10,962	98,126	53,774	151,900
1988	31	125	176	0	364	0	280	0	153	60,592	0	33,802	61,721	6,385	101,908	40,072	141,980
1989	58	1,449	4,331	99	1,244	95	657	0	495	72,034	0	47,656	80,462	11,479	139,597	54,566	194,163
1990	0	1,604	2,539	0	3,320	68	977	71	1,293	63,139	0	70,201	73,011	8,395	151,607	47,500	199,107
1991	0	864	1,970	0	1,097	0	394	0	513	49,672	0	72,199	54,510	11,658	138,367	44,400	182,767
1992	128	1,082	508	0	1,228	0	479	0	337	38,521	0	54,486	42,283	14,219	110,988	31,405	142,393
1993	120	0	564	0	342	0	183	0	567	63,043	0	41,887	64,818	13,867	120,572	29,080	149,652
1994	0	2,164	1,066	0	567	0	632	0	1,150	56,202	0	87,748	61,781	14,212	163,741	35,290	199,031
1995	91	829	964	0	1,178	0	824	0	403	56,725	0	68,565	61,014	13,421	143,000	60,084	203,084
1996	106	2,365	368	299	1,080	0	1,668	0	1,226	69,105	0	116,956	76,217	22,153	215,326	76,929	292,255
1997	481	2,295	2,824	84	1,226	0	1,637	0	731	51,003	0	122,359	60,281	27,105	209,745	52,848	262,593
1998	424	1,651	4,573	0	863	0	2,534	72	926	40,664	0	108,731	51,707	25,137	185,575	79,163	264,738
1999	246	740	834	0	219	0	3,129	0	1,250	113,738	0	146,323	120,156	26,253	292,732	62,349	355,081
2000	289	3,300	2,039	0	586	0	10,727	34	3,518	51,663	0	136,340	72,156	29,377	237,873	106,738	344,611
2001	491	2,457	1,174	0	454	361	5,408	0	864	54,026	0	75,731	65,235	25,872	166,838	93,194	260,032
AVERAGES:																	
1962-71	47	3,099	727	0	1,389	0	1,245	7	471	19,955	0	21,260	26,892	59,927	108,079	43,567	158,848
1972-81	204	2,542	915	16	1,481	54	2,333	9	763	42,853	11	31,202	51,171	37,022	119,405	60,008	179,413
1982-91	67	1,505	1,453	16	1,583	90	1,093	11	824	53,671	89	51,706	60,313	11,560	123,668	51,151	174,819
1992-01	238	1,688	1,491	38	774	36	2,722	11	1,097	59,469	0	95,913	67,565	21,162	184,639	62,708	247,347
1992-01	139	2,209	1,147	18	1,307	45	1,848	9	797	43,987	25	50,020	51,485	32,418	133,948	56,263	195,623

¹ Estimates for 1968-71 are useful only for distribution of harvest among provinces. They are not comparable with estimates in subsequent years because different survey procedures were used.

ESTIMATED SEPTEMBER HARVESTS OF CANADA GEESE (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S. TOTAL
1962															
1963															
1964															
1965															
1966															
1967															
1968															
1969															
1970															
1971															
1972															
1973															
1974															
1975															
1976															
1977															
1978															
1979															
1980															
1981															
1982															
1983															
1984															
1985															
1986															
1987												18,367			18,367
1988												17,820			17,820
1989											3,022	20,504			23,526
1990											4,208	16,139			20,347
1991											1,867	24,334			26,201
1992											16,502	34,249			50,751
1993											35,435	52,856			88,291
1994											58,069	103,995			162,064
1995											109,154	121,077			230,231
1996				3,928							136,856	199,250	3,928		340,034
1997				17,268							189,079	240,981	17,268		447,328
1998				20,155							195,968	270,871	20,155		486,994
1999			0	29,206			625				184,800	247,447	29,831		462,078
2000	522	44,748	36,252				922		1,592		184,100	235,293	84,036		503,429
2001	0	51,588	37,190				0		2,590		209,800	276,300			
AVERAGES:															
1992-01		32,112	24,000				516				131,976	178,232	31,044		307,911

ESTIMATED REGULAR SEASON HARVESTS OF CANADA GEESE (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S. TOTAL	CANADA TOTAL	U.S. + CANADA
1962	1920	9241	9919	330	2740	8636	2493	404	5292	39967	83000	82928	80942	123859	370729		
1963	2209	23924	17247	647	10683	11518	3316	2640	10539	35637	128584	104937	118360	184600	536481		
1964	5128	25532	20249	270	8769	12752	9171	1213	6217	38618	130986	141959	127919	160103	560967		
1965	2219	17629	20119	781	4955	11040	4922	689	6288	15752	83100	141359	84394	122416	431269		
1966	1805	22550	27140	1565	11010	13098	7626	1961	12230	92472	147903	152202	191457	192861	684423		
1967	3472	15618	19431	1387	12231	11940	7867	834	6793	31502	169464	192701	111075	174553	647793		
1968 ¹	2829	9886	17684	1456	14227	6958	2865	1338	1884	31592	182266	158049	90719	168272	599306	147825	747131
1969 ¹	5092	24201	18665	1354	11261	9685	13468	315	7129	27405	249829	189647	118575	207583	765634	204164	969798
1970 ¹	3,630	38,397	22,754	1,791	18,809	37,652	19,886	1,602	10,825	72,348	275,051	192,746	227,694	233,109	928,600	260,879	1,189,479
1971 ¹	5,614	48,429	19,660	2,572	27,775	33,896	31,656	1,649	9,426	15,595	270,952	194,234	196,272	191,545	853,003	265,907	1,118,910
1972	5,155	13,040	19,872	1,415	9,909	14,834	16,834	1,727	10,139	21,923	206,923	165,757	114,848	258,081	745,609	244,057	989,666
1973	4,380	30,208	28,160	3,455	13,272	27,471	22,103	1,095	9,892	39,676	349,294	220,137	179,712	189,071	938,214	286,579	1,224,793
1974	4,873	27,614	29,682	1,232	4,924	17,700	8,934	787	8,110	29,280	338,760	288,899	133,136	196,132	956,927	289,638	1,246,565
1975	2,824	37,289	24,087	2,128	9,059	27,149	7,830	1,247	19,558	41,546	357,964	330,404	172,717	190,785	1,051,870	361,979	1,413,849
1976	3,727	24,644	31,466	3,114	9,028	33,246	13,233	854	10,095	43,060	366,758	340,609	172,467	179,250	1,059,084	331,197	1,390,281
1977	1,908	40,073	16,652	3,487	10,299	36,338	12,567	1,213	8,642	27,692	466,093	357,631	158,871	195,931	1,178,526	343,124	1,521,650
1978	4,953	36,556	32,979	6,705	12,906	49,799	17,379	2,939	9,229	27,370	327,025	425,879	200,815	261,974	1,215,693	406,469	1,622,162
1979	5,397	38,816	28,166	2,919	14,462	32,585	8,926	1,524	6,441	46,504	296,930	325,400	185,740	199,376	1,007,446	431,462	1,438,908
1980	4,604	30,918	42,858	4,471	15,069	34,544	6,268	2,973	4,735	40,736	474,948	316,341	187,176	199,048	1,177,513	462,146	1,639,659
1981	3,827	37,266	52,806	6,632	17,733	35,050	11,839	1,704	2,892	36,998	328,737	309,224	206,747	203,477	1,048,185	363,709	1,411,894
1982	5,899	22,567	55,979	6,364	19,374	42,586	10,128	2,173	6,040	42,434	383,557	290,171	213,544	211,325	1,098,597	408,595	1,507,192
1983	6,450	40,070	38,798	6,160	18,651	42,163	19,753	4,189	18,682	38,531	491,006	288,874	233,447	238,572	1,251,899	481,063	1,732,962
1984	8,744	30,895	44,356	9,679	22,446	43,387	16,063	1,805	6,466	51,945	408,836	310,297	235,786	205,757	1,160,676	426,898	1,587,574
1985	8,124	31,770	40,604	10,146	35,367	64,485	16,883	4,526	20,640	57,125	360,915	336,091	289,670	205,668	1,192,344	457,017	1,649,361
1986	8,489	19,156	42,207	12,478	38,485	47,872	11,856	1,642	7,558	23,158	413,743	336,969	212,901	155,824	1,119,437	457,975	1,577,412
1987	7,964	19,491	50,098	6,967	26,089	45,434	9,553	3,126	4,822	24,683	359,296	301,301	198,227	167,169	1,025,993	532,073	1,558,066
1988	6,321	25,132	62,696	8,790	28,742	44,168	10,250	3,321	6,425	44,941	268,977	428,450	240,786	168,387	1,106,600	398,348	1,504,948
1989	8,507	34,418	53,390	12,251	27,708	46,772	16,858	4,922	13,767	54,731	315,471	559,334	273,324	153,911	1,302,040	521,995	1,824,035
1990	11,118	27,858	55,697	11,006	30,700	50,654	11,932	4,146	17,283	62,485	297,816	494,270	282,879	207,097	1,282,062	513,854	1,795,916
1991	14,722	34,311	61,619	11,951	31,216	57,091	12,508	2,893	9,791	40,298	304,424	519,330	276,400	180,837	1,280,991	467,623	1,748,614
1992	15,102	33,082	49,356	7,727	25,158	42,384	9,734	1,973	11,251	27,843	230,577	450,009	223,610	203,080	1,113,005	378,357	1,491,362
1993	16,953	34,680	44,751	36,058	49,393	69,468	12,171	2,009	13,474	40,505	251,527	546,166	319,462	229,474	1,343,705	419,103	1,762,808
1994	19,239	59,788	73,767	10,260	67,347	57,126	20,074	3,064	17,781	54,353	248,203	540,481	382,799	265,028	1,445,792	400,821	1,846,613
1995	27,995	61,294	115,268	24,323	52,034	114,180	21,009	2,500	15,597	49,122	34,579	649,594	483,322	250,138	1,422,729	395,999	1,818,728
1996	17,202	70,869	84,448	40,455	128,357	157,233	40,721	361	15,583	62,897	81,815	617,531	618,126	279,015	1,596,487	500,100	2,096,587
1997	48,821	130,427	75,788	19,006	63,030	110,203	32,059	1,318	16,811	65,341	106,659	599,817	562,804	255,745	1,525,025	489,478	2,014,503
1998	40,904	97,301	98,140	34,053	94,999	157,289	77,014	2,153	22,353	72,036	132,931	478,939	696,242	286,949	1,595,061	531,353	2,126,414
1999	20,228	94,828	95,514	21,638	63,439	71,290	38,174	4,115	21,620	73,433	158,343	560,185	504,279	244,244	1,467,051	565,242	2,032,293
2000	24,294	94,515	98,747	25,576	120,154	103,190	93,734	1,123	48,478	52,751	186,870	661,172	662,562	320,334	1,830,938	612,043	2,442,981
2001	55,611	116,579	130,771	51,605	60,091	88,604	80,475	577	31,041	87,476	300,890	527,697	794,198	279,176	2,388,061	637,016	3,025,077
AVERAGES:																	
1962-71	3,392	23,541	19,287	1,215	12,246	15,718	10,327	1,265	7,662	40,089	172,114	155,076	134,741	175,890	637,821	219,694	1,006,330
1972-81	4,165	31,642	30,673	3,556	11,666	30,872	12,591	1,606	8,973	35,479	351,343	308,028	171,223	207,313	1,037,907	352,036	1,389,943
1982-91	8,634	28,567	50,544	9,579	27,878	48,461	13,578	3,274	11,147	44,033	360,404	386,509	245,696	189,455	1,182,064	466,544	1,648,608
1992-01	28,635	79,336	86,655	27,070	72,400	97,097	42,517	1,919	21,399	58,576	173,239	563,159	524,740	261,318	1,572,785	492,951	2,065,737
1962-01	11,206	40,772	46,790	10,355	31,048	48,037	19,753	2,016	12,295	44,544	264,275	353,193	269,100	208,494	1,107,644	411,591	1,619,653

¹ Estimates for 1968-71 are useful only for distribution of harvest among provinces. They are not comparable with estimates in subsequent years because different survey procedures were used.

ESTIMATED ALL-SEASON HARVESTS OF CANADA GEESE (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S. TOTAL	CANADA TOTAL	U.S. + CANADA
1962	1,920	9,241	9,919	330	2,740	8,636	2,493	404	5,292	39,967	83,000	82,928	80,942	123,859	370,729		
1963	2,209	23,924	17,247	647	10,683	11,518	3,316	2,640	10,539	35,637	128,584	104,937	118,360	184,600	536,481		
1964	5,128	25,532	20,249	270	8,769	12,752	9,171	1,213	6,217	38,618	130,986	141,959	127,919	160,103	560,967		
1965	2,219	17,629	20,119	781	4,955	11,040	4,922	689	6,288	15,752	83,100	141,359	84,394	122,416	431,269		
1966	1,805	22,550	27,140	1,565	11,010	13,098	7,626	1,961	12,230	92,472	147,903	152,202	191,457	192,861	684,423		
1967	3,472	15,618	19,431	1,387	12,231	11,940	7,867	834	6,793	31,502	169,464	192,701	111,075	174,553	647,793		
1968 ¹	2,829	9,886	17,684	1,456	14,227	6,958	2,865	1,338	1,884	31,592	182,266	158,049	90,719	168,272	599,306	147,825	747,131
1969 ¹	5,092	24,201	18,665	1,354	11,261	9,685	13,468	315	7,129	27,405	249,829	189,647	118,575	207,583	765,634	204,164	969,798
1970 ¹	3,630	38,397	22,754	1,791	18,809	37,652	19,886	1,602	10,825	72,348	275,051	192,746	227,694	233,109	928,600	260,879	1,189,479
1971 ¹	5,614	48,429	19,660	2,572	27,775	33,896	31,656	1,649	9,426	15,595	270,952	194,234	196,272	191,545	853,003	265,907	1,118,910
1972	5,155	13,040	19,872	1,415	9,909	14,834	16,834	1,727	10,139	21,923	206,923	165,757	114,848	258,081	745,609	244,057	989,666
1973	4,380	30,208	28,160	3,455	13,272	27,471	22,103	1,095	9,892	39,676	349,294	220,137	179,712	189,071	938,214	286,579	1,224,793
1974	4,873	27,614	29,682	1,232	4,924	17,700	8,934	787	8,110	29,280	338,760	288,899	133,136	196,132	956,927	289,638	1,246,565
1975	2,824	37,289	24,087	2,128	9,059	27,149	7,830	1,247	19,558	41,546	357,964	330,404	172,717	190,785	1,051,870	361,979	1,413,849
1976	3,727	24,644	31,466	3,114	9,028	33,246	13,233	854	10,095	43,060	366,758	340,609	172,467	179,250	1,059,084	331,197	1,390,281
1977	1,908	40,073	16,652	3,487	10,299	36,338	12,567	1,213	8,642	27,692	466,093	357,631	158,871	195,931	1,178,526	343,124	1,521,650
1978	4,953	36,556	32,979	6,705	12,906	49,799	17,379	2,939	9,229	27,370	327,025	425,879	200,815	261,974	1,215,693	406,469	1,622,162
1979	5,397	38,816	28,166	2,919	14,462	32,585	8,926	1,524	6,441	46,504	296,930	325,400	185,740	199,376	1,007,446	431,462	1,438,908
1980	4,604	30,918	42,858	4,471	15,069	34,544	6,268	2,973	4,735	40,736	474,948	316,341	187,176	199,048	1,177,513	462,146	1,639,659
1981	3,827	37,266	52,806	6,632	17,733	35,050	11,839	1,704	2,892	36,998	328,737	309,224	206,747	203,477	1,048,185	363,709	1,411,894
1982	5,899	22,567	55,979	6,364	19,374	42,586	10,128	2,173	6,040	42,434	383,557	290,171	213,544	211,325	1,098,597	408,595	1,507,192
1983	6,450	40,070	38,798	6,160	18,651	42,163	19,753	4,189	18,682	38,531	491,006	288,874	233,447	238,572	1,251,899	481,063	1,732,962
1984	8,744	30,895	44,356	9,679	22,446	43,387	16,063	1,805	6,466	51,945	408,836	310,297	235,786	205,757	1,160,676	426,898	1,587,574
1985	8,124	31,770	40,604	10,146	35,367	64,485	16,883	4,526	20,640	57,125	360,915	336,091	289,670	205,668	1,192,344	457,017	1,649,361
1986	8,489	19,156	42,207	12,478	38,485	47,872	11,856	1,642	7,558	23,158	413,743	336,969	212,901	155,824	1,119,437	457,975	1,577,412
1987	7,964	19,491	50,098	6,967	26,089	45,434	9,553	3,126	4,822	24,683	359,296	319,668	198,227	167,169	1,044,360	532,073	1,576,433
1988	6,321	25,132	62,696	8,790	28,742	44,168	10,250	3,321	6,425	44,941	268,977	446,270	240,786	168,387	1,124,420	398,348	1,522,768
1989	8,507	34,418	53,390	12,251	27,708	46,772	16,858	4,922	13,767	54,731	318,493	579,838	273,324	153,911	1,325,566	521,995	1,847,561
1990	11,118	27,858	55,697	11,006	30,700	50,654	11,932	4,146	17,283	62,485	302,024	510,409	282,879	207,097	1,302,409	513,854	1,816,263
1991	14,722	34,311	61,619	11,951	31,216	57,091	12,508	2,893	9,791	40,298	306,291	543,664	276,400	180,837	1,307,192	467,623	1,774,815
1992	15,082	33,089	49,340	6,875	25,164	48,087	9,734	1,971	11,263	28,734	247,079	484,258	229,339	203,080	1,163,756	378,357	1,542,113
1993	15,641	34,719	44,771	26,422	49,047	77,825	12,223	1,879	13,474	40,537	286,962	599,022	316,538	229,474	1,431,996	419,103	1,851,099
1994	18,904	59,897	73,818	10,258	67,450	66,662	20,074	2,996	17,781	54,240	306,272	644,476	392,080	265,028	1,607,856	400,821	2,008,677
1995	28,441	64,402	113,964	24,966	53,695	113,133	22,712	2,410	15,597	49,098	143,733	770,671	488,418	250,138	1,652,960	395,999	2,048,959
1996	17,202	70,869	88,376	40,455	128,357	157,233	40,721	361	15,583	62,897	218,671	816,781	622,054	279,015	1,936,521	500,100	2,436,621
1997	48,821	130,427	93,056	19,006	63,030	110,203	32,059	1,318	16,811	65,341	295,738	840,798	580,072	255,745	1,972,353	489,478	2,461,831
1998	40,904	97,301	118,295	34,053	94,999	157,289	77,014	2,153	22,353	72,036	328,899	749,810	716,397	286,949	2,082,055	531,353	2,613,408
1999	20,228	94,828	124,720	21,638	63,439	71,290	38,799	4,115	21,620	73,433	343,143	807,632	534,110	244,244	1,929,129	565,242	2,494,371
2000	24,816	139,263	134,999	25,576	120,154	103,190	94,656	1,123	50,070	52,751	370,970	896,465	746,598	320,334	2,334,367	612,043	2,946,410
2001	55,611	168,167	167,961	51,605	60,091	88,604	80,475	577	33,631	87,476	510,690	803,997	794,198	279,176	2,388,061	637,016	3,025,077
AVERAGES:																	
1962-71	3,392	23,541	19,287	1,215	12,246	15,718	10,327	1,265	7,662	40,089	172,114	155,076	134,741	175,890	637,821	219,694	1,006,330
1972-81	4,165	31,642	30,673	3,556	11,666	30,872	12,591	1,606	8,973	35,479	351,343	308,028	171,223	207,313	1,037,907	352,036	1,389,943
1982-91	8,634	28,567	50,544	9,579	27,878	48,461	13,578	3,274	11,147	44,033	361,314	396,225	245,696	189,455	1,192,690	466,544	1,659,234
1992-01	28,565	89,296	100,930	26,085	72,543	99,352	42,847	1,890	21,818	58,654	305,216	741,391	541,980	261,318	1,849,905	492,951	2,342,857
1962-01	11,189	43,262	50,359	10,109	31,083	48,600	19,836	2,009	12,400	44,564	297,497	400,180	273,410	208,494	1,179,581	411,591	1,704,284

¹ Estimates for 1968-71 are useful only for distribution of harvest among provinces. They are not comparable with estimates in subsequent years because different survey procedures were used.

ESTIMATED ALL-SEASON HARVESTS OF LARGE¹ CANADA GEESE FOR CENTRAL FLYWAY
(Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CEN FLYWAY
1962	1,493	204	1,445	330	626	1,853	996	11	0	1,199	8,157
1963	1,292	2,102	3,468	436	2,668	2,524	0	1,422	380	1,111	15,403
1964	3,735	2,139	5,888	135	4,139	2,913	744	656	323	1,659	22,332
1965	1,133	1,306	7,128	608	1,094	3,990	1,620	536	1,261	635	19,310
1966	839	548	9,422	1,418	3,350	3,510	1,392	998	1,130	11,325	33,933
1967	2,856	2,253	7,205	1,199	3,480	4,532	2,474	694	428	2,181	27,300
1968	2,240	498	10,550	1,456	7,284	3,650	649	594	349	390	27,659
1969	3,981	1,263	9,938	1,354	5,730	6,636	5,422	282	594	2,246	37,446
1970	2,760	2,200	6,365	1,294	7,915	19,934	3,575	742	1,365	4,773	50,923
1971	2,860	3,401	6,500	2,044	8,997	18,522	8,883	916	511	655	53,290
1972	3,873	1,741	9,935	1,061	2,846	5,452	6,506	1,151	4,776	593	37,935
1973	3,365	1,613	6,401	2,495	4,630	11,106	3,521	426	2,023	827	36,406
1974	1,693	1,267	10,253	899	724	7,130	2,230	94	805	318	25,413
1975	1,336	3,973	6,583	1,247	4,010	12,682	1,404	883	3,635	3,515	39,268
1976	2,466	3,041	12,843	2,768	6,235	15,420	5,693	251	4,007	3,917	56,643
1977	1,351	3,235	6,640	3,006	6,482	20,789	4,690	607	2,523	3,445	52,768
1978	3,962	2,070	12,684	5,319	5,660	27,795	3,638	1,705	2,524	3,164	68,520
1979	3,365	4,044	8,745	2,323	6,081	16,521	551	703	622	1,878	44,834
1980	2,900	4,500	17,485	3,085	7,026	19,051	2,985	1,077	455	1,190	59,755
1981	2,603	6,056	21,160	5,199	8,293	23,628	3,217	752	918	2,176	74,001
1982	4,362	3,685	27,798	5,224	9,961	28,745	4,065	921	208	1,984	86,954
1983	3,267	6,322	17,500	4,282	11,891	30,900	8,865	2,053	8,079	3,248	96,406
1984	5,120	5,438	18,880	6,952	9,943	27,002	6,323	327	1,241	303	81,529
1985	4,439	3,485	11,978	7,697	19,530	35,204	7,564	2,887	5,941	3,917	102,641
1986	7,222	5,549	24,435	10,332	24,825	22,728	5,748	1,244	4,012	826	106,922
1987	6,767	3,383	27,151	5,659	19,131	28,220	5,064	2,084	1,222	1,540	100,222
1988	5,800	10,878	38,064	7,424	22,618	29,788	6,075	1,405	2,457	2,421	126,932
1989	7,489	8,937	32,690	10,830	23,371	34,177	13,851	2,451	7,049	4,025	144,870
1990	10,063	9,641	34,484	9,068	23,109	35,330	8,209	2,056	7,978	6,994	146,931
1991	11,166	10,841	44,284	10,490	23,025	38,009	4,598	1,838	3,610	3,339	151,199
1992	12,423	15,318	32,227	5,620	19,667	35,678	6,853	1,329	6,109	2,073	137,297
1993	14,155	12,868	30,054	23,697	41,874	58,679	9,493	1,057	5,626	3,397	200,901
1994	17,124	22,090	54,023	8,799	55,830	48,740	14,549	1,797	6,429	4,234	233,614
1995	17,821	29,087	91,128	20,571	44,554	79,539	17,574	709	7,597	953	309,532
1996	14,433	27,746	70,978	33,277	106,962	114,352	33,798	241	10,487	3,106	415,381
1997	42,910	47,722	71,925	16,312	52,768	77,022	22,423	1,318	10,964	4,905	348,268
1998	37,195	42,620	95,060	30,522	79,982	114,100	48,357	1,292	7,777	4,687	461,592
1999	15,228	48,751	110,033	18,192	53,572	45,846	30,447	1,811	13,788	2,952	340,619
2000	22,637	85,501	124,251	21,614	100,535	75,580	69,877	817	34,937	6,670	542,418
2001	46,443	98,059	144,599	42,897	46,437	47,968	60,390	384	17,863	8,278	513,317
AVERAGES:											
1962-71	2,319	1,591	6,791	1,027	4,528	6,807	2,575	685	634	2,617	29,575
1972-81	2,691	3,154	11,273	2,740	5,199	15,957	3,443	765	2,229	2,102	49,554
1982-91	6,570	6,816	27,726	7,796	18,740	31,010	7,036	1,727	4,180	2,860	114,461
1992-01	24,037	42,976	82,428	22,150	60,218	69,751	31,376	1,076	12,158	4,126	350,294
1962-01	8,904	13,634	32,055	8,428	22,171	30,881	11,108	1,063	4,800	2,926	135,971

¹ Large Canada geese harvest is derived from tail measurements taken from the Parts Collection

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Survey. Large Canada geese tail measurement are >=156 for adults and >=138 for immatures.

ESTIMATED ALL-SEASON HARVESTS OF SMALL¹ CANADA GEESE FOR CENTRAL FLYWAY
(Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CEN FLYWAY
1962	213	8,246	7,539	0	1,944	6,358	1,169	18	4,982	35,461	65,931
1963	458	20,021	12,045	180	7,057	8,047	2,579	809	9,020	29,801	90,017
1964	1,059	23,019	13,736	101	3,834	9,576	8,427	544	5,797	35,989	102,083
1965	85	13,332	7,128	116	3,109	5,932	2,390	153	3,786	12,533	48,565
1966	162	7,377	6,328	0	5,279	4,529	3,656	211	7,145	54,190	88,877
1967	68	11,600	10,893	94	7,210	6,340	4,454	109	6,097	26,898	73,763
1968	118	8,750	5,133	0	6,293	2,794	1,921	679	1,535	28,861	56,085
1969	564	22,249	6,441	0	4,099	2,261	6,968	33	6,238	24,260	73,113
1970	253	32,872	13,037	199	9,123	13,367	15,067	430	9,070	48,483	141,900
1971	1,446	43,972	11,141	330	16,638	11,619	20,360	733	7,966	12,647	126,851
1972	570	10,361	8,832	88	5,165	8,367	9,463	480	5,157	20,146	68,628
1973	389	26,232	18,980	523	7,716	14,807	17,717	608	7,362	36,875	131,209
1974	647	22,369	14,424	67	2,896	6,642	5,542	535	6,960	21,959	82,041
1975	401	27,127	14,189	514	3,712	10,039	5,104	260	11,456	32,563	105,363
1976	618	15,016	11,559	208	2,144	12,930	6,162	553	5,346	33,920	88,455
1977	71	31,658	6,972	120	3,241	12,234	7,574	607	5,079	21,204	88,759
1978	302	30,772	17,527	611	6,339	19,154	12,473	793	6,342	21,905	116,219
1979	673	31,071	14,813	383	6,081	12,535	5,151	742	4,284	40,432	116,165
1980	346	20,684	17,179	656	5,439	12,887	2,686	680	3,185	32,368	96,111
1981	726	24,038	26,080	655	8,785	9,763	6,761	952	1,897	30,831	110,490
1982	579	14,888	17,095	381	6,387	8,261	5,077	1,252	3,844	31,599	89,364
1983	507	26,632	15,971	751	4,567	7,479	8,554	1,779	8,753	30,838	105,831
1984	903	17,876	16,992	1,721	9,716	12,859	8,159	1,442	3,996	40,839	114,501
1985	924	23,276	17,617	1,165	9,964	18,872	7,577	1,327	10,865	38,550	130,136
1986	771	11,698	13,057	1,177	8,142	15,111	3,745	348	3,263	18,994	76,306
1987	384	13,171	17,870	1,307	5,389	14,234	4,363	1,042	3,600	21,564	82,924
1988	366	10,696	21,935	1,289	4,281	13,373	3,131	1,788	3,235	38,245	98,339
1989	593	20,186	18,475	1,371	2,674	11,999	2,532	2,355	5,202	46,775	112,161
1990	399	13,908	18,426	1,735	6,624	11,888	3,441	1,452	6,486	48,472	112,831
1991	1,926	19,705	12,959	1,248	7,093	17,673	1,915	919	6,182	32,935	102,554
1992	1,741	16,064	14,318	754	4,587	11,212	2,121	549	4,461	24,999	80,805
1993	908	19,123	11,813	1,302	6,511	17,279	2,069	822	7,791	33,003	100,622
1994	1,235	36,446	16,347	1,260	10,517	17,284	4,886	1,198	10,989	47,115	147,277
1995	1,950	34,041	21,074	2,767	8,642	29,492	4,669	1,701	8,000	47,361	159,698
1996	802	41,103	13,760	5,973	16,814	39,969	5,389	120	4,767	56,873	185,571
1997	3,420	78,023	18,115	2,355	6,970	29,708	8,464	0	4,824	57,959	209,839
1998	2,954	52,034	17,193	3,409	14,338	41,802	14,226	718	14,257	59,149	220,080
1999	1,187	39,700	13,517	2,841	8,952	22,656	6,462	2,304	6,778	66,018	170,414
2000	1,462	44,885	7,498	2,641	15,456	23,196	18,679	272	12,905	38,175	165,169
2001	4,890	54,361	18,607	6,149	10,383	24,138	17,195	192	13,653	70,909	220,478
AVERAGES:											
1962-71	443	19,144	9,342	102	6,459	7,082	6,699	372	6,164	30,912	86,718
1972-81	474	23,933	15,055	382	5,152	11,936	7,863	621	5,707	29,220	100,344
1982-91	735	17,204	17,040	1,214	6,484	13,175	4,849	1,370	5,543	34,881	102,495
1992-01	2,055	41,578	15,224	2,945	10,317	25,674	8,416	788	8,842	50,156	165,995
1962-01	927	25,465	14,165	1,161	7,103	14,467	6,957	788	6,564	36,292	113,888

¹ Small Canada geese harvest is derived from tail measurements taken from the Parts Collection

ESTIMATED ALL-SEASON HARVESTS OF UNKNOWN CANADA GEESE FOR CENTRAL FLYWAY
(Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CEN FLYWAY
1962	213	790	935	0	171	424	327	376	309	3,307	6,852
1963	459	1,802	1,732	30	958	945	737	409	1,139	4,723	12,933
1964	333	372	623	34	795	262	0	12	97	968	3,495
1965	1,001	2,991	5,861	58	752	1,118	911	0	1,239	2,584	16,516
1966	803	14,624	11,390	146	2,380	5,059	2,579	752	3,954	26,955	68,642
1967	547	1,764	1,333	94	1,540	1,068	938	31	267	2,423	10,006
1968	472	638	2,001	0	643	514	295	65	0	2,340	6,968
1969	547	689	2,286	0	1,431	787	1,078	0	297	899	8,012
1970	617	3,325	3,351	299	1,770	4,350	1,243	430	390	19,092	34,865
1971	1,308	1,055	2,019	198	2,139	3,754	2,412	0	949	2,293	16,127
1972	712	938	1,104	265	1,897	1,014	866	96	206	1,185	8,283
1973	627	2,363	2,778	436	926	1,556	864	61	506	1,974	12,090
1974	2,532	3,978	5,004	266	1,303	3,927	1,161	157	345	7,002	25,677
1975	1,087	6,188	3,313	367	1,336	4,426	1,321	104	4,466	5,468	28,076
1976	643	6,586	7,064	138	649	4,894	1,378	50	741	5,223	27,366
1977	486	5,179	3,039	361	576	3,314	303	0	1,039	3,042	17,340
1978	689	3,715	2,767	776	906	2,849	1,268	441	362	2,301	16,074
1979	1,358	3,700	4,607	213	2,301	3,528	3,224	78	1,535	4,193	24,736
1980	1,357	5,732	8,194	730	2,604	2,605	597	1,216	1,094	7,177	31,306
1981	497	7,172	5,564	778	655	1,658	1,861	0	77	3,990	22,250
1982	958	3,993	11,085	759	3,024	5,579	985	0	1,988	8,850	37,221
1983	2,676	7,115	5,325	1,127	2,192	3,784	2,333	357	1,849	4,445	31,203
1984	2,722	7,580	8,484	1,005	2,786	3,524	1,581	36	1,229	10,802	39,749
1985	2,760	5,009	11,008	1,282	5,872	10,407	1,742	312	3,832	14,657	56,880
1986	496	1,909	4,714	968	5,516	10,031	2,362	50	283	3,337	29,666
1987	812	2,937	5,076	0	1,568	2,978	125	0	0	1,579	15,075
1988	153	3,558	2,696	76	1,843	1,006	1,042	128	733	4,272	15,506
1989	424	5,291	2,222	50	1,662	594	473	116	1,513	3,929	16,275
1990	656	4,309	2,785	202	965	3,436	279	638	2,816	7,016	23,102
1991	1,629	3,763	4,371	212	1,095	1,405	5,996	137	0	4,022	22,630
1992	917	1,706	2,792	500	908	1,189	759	92	690	1,662	11,218
1993	578	2,725	2,900	1,421	660	1,867	659	0	56	4,133	14,997
1994	545	1,356	3,445	199	1,101	636	637	0	363	2,888	11,171
1995	8,669	1,269	1,762	1,628	498	4,099	468	0	0	783	19,175
1996	1,966	2,020	3,633	1,204	4,577	2,909	1,533	0	328	2,915	21,085
1997	2,490	4,680	3,013	338	3,289	3,470	1,172	0	1,022	2,476	21,950
1998	753	2,644	6,040	122	678	1,383	14,431	144	317	8,199	34,710
1999	3,812	6,374	1,164	605	915	2,787	1,888	0	1,054	4,463	23,062
2000	716	8,873	3,243	1,320	4,161	4,412	6,100	34	2,228	7,905	38,992
2001	4,277	15,743	4,754	2,558	3,269	16,494	2,890	0	2,115	8,287	60,387
AVERAGES:											
1962-71	630	2,805	3,153	86	1,258	1,828	1,052	208	864	6,558	18,442
1972-81	999	4,555	4,344	433	1,315	2,977	1,284	220	1,037	4,155	21,320
1982-91	1,328	4,546	5,777	568	2,652	4,274	1,692	177	1,424	6,291	28,731
1992-01	2,472	4,739	3,275	990	2,006	3,925	3,054	27	817	4,371	25,675
1962-01	1,357	4,161	4,137	519	1,808	3,251	1,771	158	1,036	5,344	23,542

¹ Preliminary

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D.E. SHARP

ESTIMATED REGULAR SEASON SNOW/BLUE GOOSE HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S. TOTAL	CANADA TOTAL	U.S. + CANADA
1962	1,920	9,710	33,117	0	2,627	0	4,194	4	1,048	34,784	87	37,254	87,404	35,061	159,806		
1963	2,579	15,618	25,841	0	1,289	89	2,211	263	2,911	69,627	0	60,963	120,428	71,620	253,011		
1964	790	18,020	20,249	0	1,940	98	5,205	6	1,283	64,107	57	89,634	111,698	67,164	268,553		
1965	0	18,720	30,576	0	5,848	0	2,888	175	714	49,372	73	94,415	108,293	39,693	242,474		
1966	0	27,814	19,870	0	4,219	0	1,358	96	3,766	136,611	39	153,112	193,734	176,933	523,818		
1967	0	36,836	24,914	0	4,614	0	2,918	358	2,942	77,309	101	113,704	149,891	76,858	340,554		
1968 ¹	0	17,606	12,846	0	3,870	0	2,509	535	475	53,016	0	66,027	90,857	64,841	221,726		
1969 ¹	0	56,846	55,189	0	7,174	253	5,629	282	3,267	81,389	602	204,845	210,029	86,620	502,096	27,445	249,171
1970 ¹	0	56,784	44,316	0	7,377	251	12,387	860	3,900	188,427	120	258,380	314,302	142,814	715,616	94,667	810,283
1971 ¹	0	68,815	41,687	0	8,081	0	4,286	1,498	1,533	54,812	0	159,676	180,712	108,345	448,733	67,862	516,595
1972	0	40,620	28,546	0	3,795	0	4,617	96	3,494	69,894	0	109,189	151,062	45,448	305,699	55,830	361,529
1973	0	77,586	35,910	27	14,480	282	9,816	1,207	650	114,857	0	152,970	254,815	116,279	524,064	86,597	610,661
1974	0	100,732	27,491	0	10,389	0	17,787	94	4,124	80,704	0	173,209	241,321	53,385	467,915	66,072	533,987
1975	80	142,715	37,303	0	11,973	198	4,295	2,130	6,172	145,191	9,171	167,624	350,057	92,871	619,723	136,217	755,940
1976	0	93,351	11,107	0	3,246	409	10,239	3,668	593	133,877	12,276	102,337	256,490	144,103	515,206	123,863	639,069
1977	0	124,309	23,572	0	5,892	0	6,083	7,981	4,708	133,757	22,464	126,778	306,302	82,436	537,980	102,961	640,941
1978	0	91,649	13,606	0	5,887	525	3,185	2,153	2,777	69,233	20,051	133,930	189,015	31,009	374,005	118,964	492,969
1979	0	148,341	29,875	43	11,741	348	4,078	1,445	7,455	135,065	29,370	165,584	338,391	32,629	565,974	164,927	730,901
1980	87	83,548	12,426	61	2,035	405	838	2,613	2,821	146,931	27,486	144,439	251,765	35,911	459,601	196,883	656,484
1981	0	130,432	23,446	0	3,438	268	2,829	2,358	5,316	121,782	13,647	110,764	289,869	61,110	475,390	151,910	627,300
1982	341	85,990	11,588	0	4,676	815	1,451	2,174	1,143	133,566	22,212	124,366	241,744	33,074	421,396	159,657	581,053
1983	0	114,263	15,231	0	2,581	0	4,494	5,049	3,468	100,662	41,187	187,153	245,748	46,830	520,918	169,952	690,870
1984	125	77,440	25,393	0	5,017	1,294	3,161	4,400	5,656	170,312	38,737	101,545	292,798	64,948	498,028	172,697	670,725
1985	62	67,229	13,157	122	8,559	963	7,569	5,508	1,959	111,740	14,776	98,971	216,868	82,292	412,907	181,193	594,100
1986	110	67,912	6,596	180	7,118	3,069	8,644	2,605	1,299	52,356	9,035	69,738	149,889	37,492	266,154	104,338	370,492
1987	34	79,799	6,963	34	3,456	0	6,507	2,173	1,029	82,590	28,613	56,464	182,585	38,235	305,897	126,196	432,093
1988	122	107,044	20,887	0	3,560	253	1,708	2,810	966	114,485	25,228	51,709	251,836	42,255	371,027	154,746	525,773
1989	116	98,311	21,152	50	1,308	572	1,872	6,500	1,762	154,628	17,568	97,277	286,271	33,088	434,204	182,842	617,046
1990	202	48,133	29,211	0	8,661	1,226	5,031	4,777	2,080	112,437	21,773	92,834	211,758	32,289	358,654	164,576	523,230
1991	119	97,522	27,311	56	2,147	811	7,752	5,256	4,376	102,757	26,899	110,743	248,107	30,999	416,707	150,562	567,269
1992	0	43,274	8,563	0	6,829	689	4,162	220	632	87,573	10,632	60,171	151,942	29,399	252,159	88,027	340,186
1993	360	92,316	12,037	0	1,793	425	6,325	1,647	2,058	153,323	30,718	71,843	270,284	55,356	428,203	190,739	618,942
1994	678	118,534	12,393	133	6,241	113	13,624	7,989	1,216	109,437	18,254	99,031	270,358	29,547	417,191	138,272	555,463
1995	0	110,639	11,050	0	3,748	820	6,888	5,529	12,098	185,534	19,489	191,426	336,306	37,822	585,045	156,573	741,618
1996	0	104,518	33,184	299	6,134	2,044	9,881	4,648	6,401	137,508	32,481	231,491	304,617	58,791	627,381	160,589	787,970
1997	275	160,807	15,142	182	15,182	4,296	13,154	5,340	1,884	142,604	36,498	239,018	358,866	35,080	669,461	205,988	875,449
1998	1,273	77,855	16,938	1,811	20,991	15,675	12,807	7,623	4,815	144,003	114,293	396,504	303,791	52,255	866,839	242,970	1,109,809
1999	49	53,249	8,344	633	20,787	10,882	5,815	4,212	2,500	270,140	40,093	317,203	376,611	44,144	778,052	192,517	970,569
2000	0	41,430	2,794	119	2,932	8,049	7,963	4,268	8,220	90,221	46,962	173,622	165,996	44,373	430,953	227,228	658,181
2001	395	67,250	17,382	0	3,784	12,639	4,091	1,558	10,625	140,832	64,322	167,632	258,556	43,141	533,651	146,990	680,641
AVERAGES:																	
1962-71	529	32,677	30,861	0	4,704	69	4,359	408	2,184	80,945	108	123,801	156,735	86,995	367,639	64,207	536,250
1972-81	17	103,328	24,328	13	7,288	244	6,377	2,375	3,811	115,129	13,447	138,682	262,909	69,518	484,556	120,422	604,978
1982-91	123	84,364	17,749	44	4,708	900	4,819	4,125	2,374	113,553	24,603	99,080	232,760	44,150	400,589	156,676	557,265
1992-01	303	86,987	13,783	318	8,842	5,563	8,471	4,303	5,045	146,118	41,374	194,794	279,733	42,991	558,894	174,989	733,883
1962-01	243	76,839	21,680	94	6,385	1,694	6,006	2,803	3,353	113,936	19,883	139,089	233,034	60,914	452,919	140,521	620,772

¹ Estimates for 1968-71 are useful only for distribution of harvest among provinces. They are not comparable with estimates in subsequent years because different survey procedures were used.

ESTIMATED REGULAR SEASON ROSS'S GOOSE HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S. TOTAL	CANADA TOTAL	U.S. + CANADA
1962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1963	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1965	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	1,022	1,022		
1967	0	0	0	0	0	0	0	0	0	0	0	0	0	533	533		
1968 ¹	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,530	2,530
1969 ¹	0	0	0	0	0	0	0	0	0	0	0	0	0	2,540	2,540	3,086	5,626
1970 ¹	0	0	0	0	0	0	0	0	0	0	0	0	0	5,334	5,334	2,019	7,353
1971 ¹	0	0	0	0	0	0	0	0	0	0	0	0	0	3,646	3,646	3,676	7,322
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,885	1,885
1973	0	0	0	0	0	0	0	0	0	0	0	0	0	4,524	4,524	5,000	9,524
1974	0	195	0	0	0	0	0	0	0	0	0	0	195	8,464	8,659	5,105	13,764
1975	0	0	146	0	0	0	0	0	0	0	0	0	146	7,167	7,313	7,090	14,403
1976	0	0	0	0	0	0	0	151	0	1,632	0	0	1,783	8,209	9,992	5,093	15,085
1977	0	0	0	0	0	0	0	70	0	230	0	0	300	4,190	4,490	4,006	8,496
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	2,360	2,360	5,114	7,474
1979	0	578	0	0	0	0	0	352	0	668	0	0	1,598	5,035	6,633	8,059	14,692
1980	0	0	0	0	0	0	0	113	0	397	0	0	510	3,294	3,804	4,871	8,675
1981	0	609	245	0	0	0	0	401	0	1,451	0	0	2,706	6,968	9,674	3,393	13,067
1982	0	577	0	0	0	0	123	226	0	1,190	0	4,297	2,116	7,542	13,955	4,318	18,273
1983	0	0	0	0	0	0	0	411	0	1,264	0	276	1,675	7,367	9,318	4,454	13,772
1984	0	388	183	0	284	388	0	1,267	67	3,365	0	0	5,942	9,006	14,948	4,953	19,901
1985	0	528	0	61	94	161	0	639	82	2,268	0	108	3,833	10,389	14,330	7,488	21,818
1986	0	500	133	0	125	309	0	249	0	1,239	0	705	2,555	4,283	7,543	2,988	10,531
1987	0	0	0	0	0	0	0	404	0	0	0	155	404	2,558	3,117	5,413	8,530
1988	0	564	88	0	0	0	0	64	0	3,031	0	568	3,747	1,104	5,419	4,471	9,890
1989	0	786	80	0	0	0	0	1,614	325	5,611	0	0	8,416	5,521	13,937	5,105	19,042
1990	0	542	341	4	212	0	132	832	0	4,944	0	1,021	7,007	3,272	11,300	9,426	20,726
1991	0	560	415	0	91	41	240	1,843	0	3,988	0	329	7,178	3,493	11,000	3,639	14,639
1992	0	1,062	254	0	0	151	0	73	0	3,292	0	240	4,832	3,193	8,265	4,703	12,968
1993	0	1,375	56	0	0	0	0	940	56	4,926	0	574	7,353	7,789	15,716	2,477	18,193
1994	170	1,030	101	0	340	0	451	1,797	72	5,112	0	2,812	9,073	7,989	19,874	9,873	29,747
1995	0	1,810	558	0	107	328	899	284	605	15,109	0	3,635	19,700	5,309	28,644	15,351	43,995
1996	0	2,572	1,222	0	256	388	513	1,008	136	9,347	71	8,237	15,442	13,799	37,649	19,407	57,056
1997	0	2,130	126	84	545	330	914	1,178	146	6,982	0	8,131	12,435	8,098	28,666	19,457	48,123
1998	212	1,260	508	0	1,525	2,997	2,803	2,041	370	20,185	0	8,546	31,901	7,624	48,072	28,563	76,635
1999	0	296	334	0	3,765	2,141	1,005	1,481	208	43,189	0	12,168	52,419	24,139	88,725	22,749	111,474
2000	96	516	0	0	782	898	0	987	955	10,014	0	8,040	14,248	8,371	30,659	17,895	48,554
2001	0	3,990	1,762	0	454	2,889	361	2,894	2,375	26,600	0	14,690	41,325	12,377	68,392	20,985	89,377
AVERAGES:																	
1962-71	0	0	0	0	0	0	0	0	0	0	0	0	0	1,308	1,308	2,828	5,708
1972-81	0	138	39	0	0	0	0	109	0	438	0	0	724	5,021	5,745	4,962	10,707
1982-91	0	445	124	7	81	90	50	755	47	2,690	0	746	4,287	5,454	10,487	5,226	15,712
1992-01	48	1,604	492	8	777	1,012	695	1,268	492	14,476	7	6,707	20,873	9,869	37,466	16,146	53,612
1962-01	12	547	164	4	215	276	186	533	135	4,401	2	1,863	6,471	5,413	13,751	8,078	24,210

¹ Estimates for 1968-71 are useful only for distribution of harvest among provinces. They are not comparable with estimates in subsequent years because different survey procedures were used.

ESTIMATED REGULAR SEASON LIGHT (SNOW, BLUE, AND ROSS'S) GOOSE HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S. TOTAL	CANADA TOTAL	U.S. + CANADA
1962	1,920	9,710	33,117	0	2,627	0	4,194	4	1,048	34,784	87	37,254	87,404	35,061	159,806		
1963	2,579	15,618	25,841	0	1,289	89	2,211	263	2,911	69,627	0	60,963	120,428	71,620	253,011		
1964	790	18,020	20,249	0	1,940	98	5,205	6	1,283	64,107	57	89,634	111,698	67,164	268,553		
1965	0	18,720	30,576	0	5,848	0	2,888	175	714	49,372	73	94,415	108,293	39,693	242,474		
1966	0	27,814	19,870	0	4,219	0	1,358	96	3,766	136,611	39	153,112	193,734	177,955	524,840		
1967	0	36,836	24,914	0	4,614	0	2,918	358	2,942	77,309	101	113,704	149,891	77,391	341,087		
1968 ¹	0	17,606	12,846	0	3,870	0	2,509	535	475	53,016	0	66,027	90,857	64,841	221,726	29,975	251,701
1969 ¹	0	56,846	55,189	0	7,174	253	5,629	282	3,267	81,389	0	204,845	210,029	89,160	504,636	69,940	574,576
1970 ¹	0	56,784	44,316	0	7,377	251	12,387	860	3,900	188,427	120	258,380	314,302	148,148	720,950	96,686	817,636
1971 ¹	0	68,815	41,687	0	8,081	0	4,286	1,498	1,533	54,812	0	159,676	180,712	111,991	452,379	71,538	523,917
1972	0	40,620	28,546	0	3,795	0	4,617	96	3,494	69,894	300	109,189	151,062	45,448	305,699	57,715	363,414
1973	0	77,586	35,910	27	14,480	282	9,816	1,207	650	114,857	0	152,970	254,815	120,803	528,588	91,597	620,185
1974	0	100,927	27,491	0	10,389	0	17,787	94	4,124	80,704	0	173,209	241,516	61,849	476,574	71,177	547,751
1975	80	142,715	37,449	0	11,973	198	4,295	2,130	6,172	145,191	9,171	167,624	350,203	100,038	627,036	143,307	770,343
1976	0	93,351	11,107	0	3,246	409	10,239	3,819	593	135,509	12,276	102,337	258,273	152,312	525,198	128,956	654,154
1977	0	124,309	23,572	0	5,892	0	6,083	8,051	4,708	133,987	22,464	126,778	306,602	86,626	542,470	106,967	649,437
1978	0	91,649	13,606	0	5,887	525	3,185	2,153	2,777	69,233	20,051	133,930	189,015	33,369	376,365	124,078	500,443
1979	0	148,919	29,875	43	11,741	348	4,078	1,797	7,455	135,733	28,000	165,584	339,989	37,664	572,607	172,986	745,593
1980	87	83,548	12,426	61	2,035	405	838	2,726	2,821	147,328	27,486	144,439	252,275	39,205	463,405	201,754	665,159
1981	0	131,041	23,691	0	3,438	268	2,829	2,759	5,316	123,233	13,647	110,764	292,575	68,078	485,064	155,303	640,367
1982	341	86,567	11,588	0	4,676	815	1,574	2,400	1,143	134,756	21,700	128,663	243,860	40,616	435,351	163,975	599,326
1983	0	114,263	15,231	0	2,581	0	4,494	5,460	3,468	101,926	40,400	187,429	247,423	54,197	530,236	174,406	704,642
1984	125	77,828	25,576	0	5,301	1,682	3,161	5,667	5,723	173,677	37,600	101,545	298,740	73,954	512,976	177,650	690,626
1985	62	67,757	13,157	183	8,653	1,124	7,569	6,147	2,041	114,008	14,776	99,079	220,701	92,681	427,237	188,681	615,918
1986	110	68,412	6,729	180	7,243	3,378	8,644	2,854	1,299	53,595	9,035	70,443	182,444	41,775	273,697	107,326	381,023
1987	34	79,799	6,963	34	3,456	0	6,507	2,577	1,029	82,590	28,613	56,619	182,989	40,793	309,014	131,609	440,623
1988	122	107,608	20,975	0	3,560	253	1,708	2,874	966	117,516	24,900	52,277	255,583	43,359	376,446	159,217	535,663
1989	116	99,097	21,232	50	1,308	572	1,872	8,114	2,087	160,239	17,100	97,277	294,687	38,609	448,141	187,947	636,088
1990	202	48,675	29,552	4	8,873	1,226	5,163	5,609	2,080	117,381	21,773	93,855	218,765	35,561	369,954	174,002	543,956
1991	119	98,082	27,726	56	2,238	852	7,992	7,099	4,376	106,745	26,400	111,072	255,285	34,492	427,707	154,201	581,908
1992	0	44,336	8,817	0	6,829	840	4,162	293	632	90,865	10,632	60,411	156,774	32,592	260,424	92,730	353,154
1993	360	93,691	12,093	0	1,793	425	6,325	2,587	2,114	158,249	30,718	72,417	277,637	63,145	443,919	193,216	637,135
1994	848	119,564	12,494	133	6,581	113	14,075	9,786	1,288	114,549	18,254	101,843	279,431	37,536	437,065	148,145	585,210
1995	0	112,449	11,608	0	3,855	1,148	7,787	5,813	12,703	200,643	19,500	195,061	356,006	43,131	613,689	171,924	785,613
1996	0	107,090	34,406	299	6,390	2,432	10,394	5,656	6,537	146,855	32,552	239,728	320,059	72,590	665,030	179,996	845,026
1997	275	162,937	15,268	266	15,727	4,626	14,068	6,518	2,030	149,586	36,498	247,149	371,301	43,178	698,127	225,445	923,572
1998	1,485	79,115	17,446	1,811	22,516	18,672	15,610	9,664	5,185	164,188	114,293	405,050	335,692	59,879	914,911	271,533	1,186,444
1999	49	53,545	8,678	633	24,552	13,023	6,820	5,693	2,708	313,329	40,093	329,371	429,030	68,283	866,777	215,266	1,082,043
2000	96	41,946	2,794	119	3,714	8,947	7,963	5,255	9,175	100,235	46,962	181,662	180,244	52,744	461,612	245,123	706,735
2001	395	71,240	19,144	0	4,238	15,528	4,452	4,452	13,000	167,432	64,322	182,322	299,881	55,518	602,043	167,975	770,018
AVERAGES:																	
1962-71	529	32,677	30,861	0	4,704	69	4,359	408	2,184	80,945	48	123,801	156,735	88,302	368,946	67,035	541,958
1972-81	17	103,467	24,367	13	7,288	244	6,377	2,483	3,811	115,567	13,340	138,682	263,633	74,539	490,301	125,384	615,685
1982-91	123	84,809	17,873	51	4,789	990	4,868	4,880	2,421	116,243	24,230	99,826	237,048	49,604	411,076	161,901	572,977
1992-01	351	88,591	14,275	326	9,620	6,575	9,166	5,572	5,537	160,593	41,382	201,501	300,606	52,860	596,360	191,135	787,495
1962-01	255	77,386	21,844	97	6,600	1,970	6,192	3,336	3,488	118,337	19,750	140,953	239,505	66,326	466,671	148,598	644,982

¹ Estimates for 1968-71 are useful only for distribution of harvest among provinces. They are not comparable with estimates in subsequent years because different survey procedures were used.

ESTIMATED TOTAL GOOSE HARVESTS (Mail Questionnaire Survey)

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S. TOTAL	CANADA TOTAL	U.S. + CANADA
1962	3,840	19,222	43,632	330	5,899	8,636	7,925	408	6,650	95,399	109,993	122,824	191,941	221,107	645,865		
1963	4,788	47,577	43,665	647	14,514	11,606	6,631	2,903	14,108	122,816	162,633	173,289	269,255	329,156	934,333		
1964	5,918	50,062	41,038	270	11,901	12,850	16,111	1,220	7,791	116,831	161,051	243,466	263,992	289,849	958,358		
1965	2,219	37,036	51,329	781	11,077	11,040	8,585	864	7,336	75,499	96,954	258,012	205,766	220,481	781,213		
1966	1,805	51,643	47,573	1,565	15,973	13,098	9,709	2,058	16,749	260,483	180,501	349,171	420,656	450,790	1,401,118		
1967	3,472	56,360	45,218	1,387	17,456	11,940	11,620	1,192	10,056	126,501	192,307	327,665	285,202	329,011	1,134,185		
1968 ¹	2,829	29,484	31,100	1,456	19,309	6,958	5,668	1,938	2,848	100,803	206,616	229,302	202,393	294,706	933,017	221,008	1,154,025
1969 ¹	5,297	82,884	74,251	1,354	19,484	9,938	20,176	597	11,139	135,326	268,830	432,963	360,446	383,322	1,445,561	318,046	1,763,607
1970 ¹	3,630	95,850	68,654	1,791	26,923	37,903	32,783	2,462	14,726	284,690	301,289	491,298	569,412	460,522	1,822,521	414,117	2,236,638
1971 ¹	5,876	123,044	62,289	2,572	40,848	33,896	40,094	3,147	11,299	91,702	337,825	373,434	414,767	345,319	1,471,345	376,201	1,847,546
1972	5,392	53,929	49,522	1,415	17,024	14,834	27,084	1,823	15,048	118,482	206,923	287,845	304,553	373,403	1,172,724	355,132	1,527,856
1973	4,589	115,875	65,922	3,482	28,686	27,754	35,231	2,302	10,963	193,840	349,489	406,471	488,644	361,587	1,606,191	439,612	2,045,803
1974	4,923	130,485	57,694	1,232	15,892	17,700	30,155	881	12,694	137,617	338,995	472,209	409,273	305,204	1,525,681	413,503	1,939,184
1975	3,225	182,260	61,975	2,128	22,298	27,447	13,942	3,377	26,865	227,024	397,531	527,311	570,541	332,958	1,828,341	574,851	2,403,192
1976	3,727	118,987	42,573	3,114	13,059	33,655	23,773	4,673	11,577	208,562	379,034	465,194	463,700	384,322	1,692,250	520,371	2,212,621
1977	1,908	169,466	41,220	3,487	17,223	36,338	20,469	9,264	14,241	201,011	489,130	503,069	514,627	332,985	1,839,811	504,239	2,344,050
1978	5,845	128,683	47,969	6,760	20,604	50,764	22,422	5,136	12,543	133,283	347,629	593,186	434,009	338,622	1,713,446	594,044	2,307,490
1979	5,447	189,661	58,755	2,962	29,146	32,934	14,947	3,320	15,001	228,210	326,754	520,102	580,383	266,943	1,694,182	660,219	2,354,401
1980	4,821	116,265	55,837	4,531	17,783	34,948	7,852	5,699	8,102	258,495	502,639	488,878	514,333	265,123	1,770,973	745,261	2,516,234
1981	3,980	170,893	78,082	6,741	22,644	35,317	17,135	4,514	8,437	232,465	376,102	514,860	580,208	299,994	1,771,164	579,759	2,350,923
1982	6,457	109,548	68,532	6,364	25,386	43,401	12,811	4,572	9,156	234,586	429,352	470,255	520,813	270,393	1,690,813	623,886	2,314,699
1983	6,507	156,205	54,451	6,160	22,598	42,163	25,497	9,682	22,977	186,460	566,855	537,951	532,700	315,112	1,952,618	713,385	2,666,003
1984	9,089	114,550	71,424	9,679	29,729	45,328	21,483	7,472	12,992	290,979	495,939	479,003	612,725	288,320	1,875,987	658,254	2,534,241
1985	8,247	100,927	54,839	10,389	45,809	65,769	25,897	10,674	24,325	214,967	407,202	483,412	561,843	314,776	1,767,233	698,265	2,465,498
1986	8,599	88,234	50,003	12,659	48,158	51,404	22,154	4,496	9,010	104,520	432,161	441,427	399,237	206,760	1,479,585	624,279	2,103,864
1987	8,027	100,121	57,549	7,001	30,442	45,600	16,964	5,702	6,236	158,588	396,152	408,435	436,230	219,331	1,460,148	739,237	2,199,385
1988	6,473	132,867	83,848	8,790	32,666	44,421	12,237	6,194	7,544	223,050	316,638	532,349	558,090	218,251	1,625,328	594,120	2,219,448
1989	8,682	134,965	78,952	12,399	30,260	47,439	19,387	13,037	16,348	287,004	362,210	725,170	648,473	205,103	1,940,956	754,523	2,695,479
1990	11,320	78,137	87,789	11,010	42,893	51,948	18,073	9,826	20,656	243,006	338,354	674,595	574,658	252,764	1,840,371	727,366	2,567,737
1991	14,841	133,397	91,315	12,007	34,551	57,902	20,895	9,993	14,680	196,715	345,598	726,935	586,296	229,377	1,888,206	664,795	2,553,001
1992	15,210	78,507	58,666	6,875	33,221	48,927	14,375	2,263	12,232	158,120	271,797	599,155	428,396	253,436	1,552,784	503,290	2,056,074
1993	16,122	128,410	57,429	26,422	51,182	78,250	18,732	4,466	16,154	261,829	328,171	713,325	658,996	311,051	2,011,543	638,610	2,650,153
1994	19,752	181,625	87,378	10,391	74,598	66,776	34,780	12,782	20,219	224,991	338,299	834,066	733,292	320,790	2,226,447	583,257	2,809,704
1995	28,532	177,680	126,536	24,966	58,728	114,281	31,323	8,222	28,703	306,466	178,941	1,034,297	905,437	309,535	2,428,210	628,014	3,056,224
1996	17,308	180,324	123,150	41,052	135,927	159,859	52,784	6,018	23,346	278,857	256,547	1,173,745	1,018,625	378,709	2,827,626	757,294	3,584,920
1997	49,577	295,658	111,149	19,356	79,982	114,830	47,764	7,835	19,572	266,366	350,444	1,210,581	1,012,089	331,942	2,905,056	768,421	3,673,477
1998	42,814	178,205	140,313	35,863	118,547	175,960	95,158	11,889	28,462	276,888	452,272	1,263,793	1,104,099	384,858	3,205,022	882,049	4,087,071
1999	20,523	149,113	134,233	22,271	88,211	84,312	48,747	9,808	25,579	500,500	393,085	1,285,683	1,083,298	342,493	3,104,559	843,057	3,947,616
2000	25,201	184,770	139,833	25,695	124,455	112,137	113,347	6,412	62,762	204,650	436,844	1,215,840	999,262	405,420	3,057,366	964,505	4,021,871
2001	56,496	242,016	188,278	51,605	64,784	104,493	90,334	5,029	47,495	308,934	606,408	1,063,604	1,159,464	366,052	3,195,528	993,068	4,188,596
AVERAGES:																	
1962-71	3,967	59,316	50,875	1,215	18,338	15,787	15,930	1,679	10,270	141,005	201,800	300,142	318,383	332,426	1,152,752	332,343	1,750,454
1972-81	4,386	137,650	55,955	3,585	20,436	31,169	21,301	4,099	13,547	193,899	371,423	477,913	486,027	326,114	1,661,476	538,699	2,200,175
1982-91	8,824	114,895	69,870	9,646	34,249	49,538	19,540	8,165	14,392	213,988	409,046	547,953	543,107	252,019	1,752,125	679,811	2,431,936
1992-01	29,154	179,631	116,697	26,450	82,964	105,983	54,734	7,472	28,452	278,760	361,281	1,039,409	910,296	340,429	2,651,414	756,157	3,407,571
1962-01	11,583	122,873	73,349	10,224	38,997	50,619	27,876	5,354	16,666	206,913	335,887	591,354	564,453	312,747	1,804,442	619,883	2,570,548

¹ Estimates for 1968-71 are useful only for distribution of harvest among provinces. They are not comparable with estimates in subsequent years because different survey procedures were used.

SPECIAL CANADA GOOSE SEASONS IN THE CENTRAL FLYWAY

YR	SOUTH DAKOTA		KANSAS		NORTH DAKOTA		OKLAHOMA	
	Dates	Daily Bag	Dates	Daily Bag	Dates	Daily Bag	Dates	Daily Bag
1996	Sep 1 - Sep 15	Unit A: 1						
	Sep 1 - Sep 15	Unit B: 4						
1997	Sep 6 - Sep 15	2						
1998	Sep 5 - Sep 15	4						
1999	Sep 1 - Sep 15	5	Sep 1 - Sep 13	3	Sep 1 - Sep 15	3		
2000	Sep 2 - Sep 29	Unit A: 5	Sep 2 - Sep 13	3	Sep 2 - Sep 22	5	Sep 9 - Sep 17	3
	Sep 16 - Sep 29	Unit C: 5						
2001	Sep 1-Sep 14	Unit A: 5	Sep 6 - Sep 15	3	Sep 1 - Sep 21	5	Sep 15 - Sep 23	3
	Sep 15-Sep 28	Unit C: 5						
	Sep 1-Sep 28	Unit B: 5						

CANADA GOOSE HARVESTS IN CENTRAL FLYWAY STATES WITH SPECIAL SEASONS

YR	SOUTH DAKOTA			KANSAS			NORTH DAKOTA			OKLAHOMA			ALL STATES		
	Special Season Harvest	All Season Harvest	% Harvest in Special Season	Special Season Harvest	All Season Harvest	% Harvest in Special Season	Special Season Harvest	All Season Harvest	% Harvest in Special Season	Special Season Harvest	All Season Harvest	% Harvest in Special Season	Special Season Harvest	All Season Harvest	% Harvest in Special Season
1996	3,928	88,376	4.4%										3,928	88,376	4.4%
1997	17,268	93,056	18.6%										17,268	93,056	18.6%
1998	20,155	118,295	17.0%										20,155	118,295	17.0%
1999	29,206	124,720	23.4%	625	38,799	1.6%	0	94,828	0.0%				29,831	258,347	11.5%
2000	36,252	134,999	26.9%	922	94,656	1.0%	44,748	139,263	32.1%	1,592	50,070	3.2%	83,514	418,988	19.9%
2001	37,190	167,961	22.1%	0	80,475	0.0%	51,588	168,167	30.7%	2,590	33,631	7.7%	91,368	450,234	20.3%

D.E. SHARP

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GOOSE AGE RATIOS IN THE U.S. HARVEST

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CANADA GOOSE AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
 Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1962		0.80	0.56			1.26			1.03	0.58	1.12	0.90	0.67	0.64	0.79
1963		2.15	1.32		0.87	0.94		0.69	0.88	0.94	1.36	1.09	1.12	0.39	0.83
1964	0.33	0.69	1.12		0.32					0.63	1.15	1.79	0.61	0.42	0.85
1965	0.29	0.81	0.87		0.41	0.58	0.71		0.60	0.62	1.09	1.52	0.67	0.30	0.79
1966		1.58	0.86		0.62	0.85	0.84	0.29	1.17	0.61	1.49	1.43	0.75	0.36	0.84
1967		0.88	0.72		0.46	0.53	0.82		0.90	0.43	1.63	1.55	0.57	0.31	0.89
1968		1.06	0.60		0.19	0.41				0.16	1.36	1.23	0.32	0.38	0.78
1969	0.12	1.28	0.74		0.35	0.28	0.45			0.76	0.93	0.73	0.64	0.46	0.70
1970		1.81	1.23		0.66	0.55	0.95		0.46	1.46	1.38	0.88	1.03	0.30	0.83
1971	0.50	0.68	0.63		0.40	0.43	0.43		0.81		1.21	1.27	0.51	0.32	0.77
1972	0.08	0.29	0.44			0.26	0.23		0.41		0.55	0.90	0.23	0.35	0.48
1973	0.27	2.00	1.35		0.85	0.46	1.57		1.75	1.34	2.20	1.08	1.13	0.28	1.10
1974	0.13	0.79	0.76			0.38	0.61		0.57	0.54	1.52	1.47	0.60	0.20	0.93
1975		1.30	1.14		0.62	0.47	0.93		1.43	1.03	1.35	1.57	0.95	0.44	1.10
1976		0.64	0.58		0.25	0.25			0.48	0.39	1.41	0.83	0.42	0.39	0.81
1977		1.13	1.09		0.37	0.28			0.78	0.61	1.38	1.01	0.61	0.41	0.93
1978	0.16	0.44	0.47	0.11	0.27	0.38	0.20	0.40	0.24	0.38	0.66	0.66	0.36	0.39	0.54
1979	0.23	1.35	0.68	0.10	0.55	0.35	0.43		1.36	1.12	1.12	1.07	0.76	0.44	0.86
1980	0.12	0.65	0.65	0.06	0.53	0.29				0.76	1.17	1.09	0.53	0.35	0.84
1981	0.14	0.71	0.60	0.05	0.25	0.16	0.58			0.77	0.48	0.71	0.48	0.22	0.48
1982	0.23	0.49	0.61	0.08	0.26	0.19	0.14			0.63	1.08	0.84	0.41	0.17	0.63
1983	0.04	0.74	0.46	0.06	0.30	0.10	0.32	0.28	0.53	0.45	1.32	0.39	0.36	0.27	0.61
1984	0.12	0.60	0.58	0.17	0.30	0.25	0.60		0.50	0.56	0.91	1.02	0.43	0.44	0.72
1985	0.15	0.87	0.62	0.13	0.39	0.28	0.42	0.23	0.69	0.16	0.78	0.72	0.49	0.20	0.56
1986	0.10	0.17	0.26	0.17	0.38	0.34	0.58		0.39	0.35	0.69	0.47	0.30	0.18	0.46
1987	0.16	0.45	0.43	0.16	0.26	0.32	0.43		0.53	0.32	0.41	0.47	0.34	0.18	0.38
1988	0.15	0.49	0.43	0.24	0.28	0.22	0.35	0.44	0.59	0.60	0.55	0.70	0.38	0.25	0.50
1989	0.06	0.62	0.42	0.16	0.16	0.23	0.21	0.46	0.49	0.83	0.59	0.45	0.39	0.20	0.44
1990	0.08	0.32	0.20	0.11	0.17	0.18	0.17	0.29	0.27	0.37	0.47	0.23	0.23	0.20	0.28
1991	0.13	0.43	0.23	0.11	0.15	0.24	0.19		0.57	0.65	0.35	0.32	0.29	0.20	0.30
1992	0.13	0.21	0.24	0.12	0.20	0.15	0.17	0.22	0.21	0.28	0.17	0.27	0.20	0.14	0.21
1993	0.15	0.66	0.31	0.12	0.20	0.19	0.32		0.45	0.62	0.40	0.49	0.30	0.16	0.37
1994	0.05	0.65	0.21	0.09	0.15	0.20	0.30		0.41	0.44	0.34	0.29	0.28	0.42	0.32
1995	0.16	0.47	0.18	0.11	0.19	0.23	0.18		0.37	0.50	0.36	0.23	0.25	0.20	0.25
1996	0.15	0.55	0.28	0.15	0.25	0.30	0.16		0.30	0.99	0.22	0.28	0.33	0.24	0.28
1997	0.30	0.70	0.34	0.23	0.23	0.27	0.25		0.18	0.40	0.33	0.33	0.37	0.27	0.33
1998	0.14	0.45	0.31	0.07	0.17	0.27	0.23		0.80	0.88	0.26	0.27	0.31	0.19	0.27
1999	0.17	0.27	0.29	0.14	0.17	0.17	0.11		0.16	0.46	0.30	0.28	0.24	0.24	0.27
2000	0.15	0.41	0.17	0.14	0.19	0.15	0.13		0.22	1.00	0.19	0.18	0.24	0.19	0.20
2001	0.13	0.55	0.35	0.12	0.23	0.19	0.10		0.28	0.51	0.31	0.31	0.30	0.73	0.29
AVERAGES:															
1962-71	0.31	1.17	0.87		0.48	0.65	0.70	0.49	0.84	0.69	1.27	1.24	0.69	0.39	0.81
1972-81	0.16	0.93	0.78	0.08	0.46	0.33	0.65	0.40	0.88	0.77	1.18	1.04	0.61	0.35	0.81
1982-91	0.12	0.52	0.42	0.14	0.27	0.24	0.34	0.34	0.51	0.49	0.72	0.56	0.36	0.23	0.49
1992-01	0.15	0.49	0.27	0.13	0.20	0.21	0.20	0.22	0.34	0.61	0.29	0.29	0.28	0.28	0.28
1961-01	0.17	0.78	0.58	0.13	0.34	0.35	0.43	0.37	0.61	0.64	0.86	0.78	0.49	0.31	0.60

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

SMALL¹ CANADA GOOSE AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CEN FLYWAY
1962		0.95	0.79			1.65			1.08	0.66	0.84
1963		2.72	1.92		1.52	1.33			0.91	0.75	1.32
1964		0.70	2.09			0.88			0.92	0.49	0.80
1965		0.72				0.51			0.59	0.51	0.60
1966		1.45				0.77			1.24	0.69	0.87
1967		0.94	0.84		0.52	0.34			0.93	0.37	0.57
1968		1.27								0.16	0.34
1969		1.44	1.19							0.80	0.98
1970		1.93	1.76		0.88	0.97	1.19			1.28	1.27
1971		0.71	0.88		0.59	1.17	0.47				0.69
1972		0.32				0.50	0.17				0.24
1973		2.52	1.98		1.94	0.73	2.24		2.53	1.43	1.71
1974		0.98	1.31			0.70			0.72	0.60	0.86
1975		1.57	1.94			1.08	0.99		2.34	0.97	1.37
1976		0.58				0.31				0.33	0.52
1977		1.40	1.33			0.35				0.64	0.86
1978		0.53	0.58			0.66				0.41	0.48
1979		1.66	1.52			1.08				1.37	1.39
1980		0.90	2.21			0.69				0.76	0.95
1981		0.90	1.60		0.56	0.53	0.85			0.98	0.97
1982		0.60	0.71							0.38	0.40
1983		1.36	1.57				0.83	0.63	0.89	0.44	0.85
1984		1.16	1.25		0.70	0.86	1.17			0.48	0.78
1985		1.43	1.33		1.11	0.82	0.90		1.11	0.64	0.96
1986		0.24	0.57		0.59	1.15				0.42	0.57
1987		0.36	0.52			0.92			0.60	0.34	0.51
1988		0.93	0.76			0.71	0.72		1.05	0.56	0.70
1989		0.95	0.93			0.57	0.59		0.88	0.85	0.82
1990		0.42	0.46		0.32	0.43	0.30		0.39	0.32	0.37
1991		0.68	0.52		0.41	0.58	0.52		0.94	0.69	0.61
1992		0.14	0.32		0.42	0.32	0.44		0.30	0.29	0.27
1993		1.21	0.51		0.43	0.41			0.77	0.66	0.63
1994		1.05	0.53		0.40	0.58	0.99		0.58	0.41	0.59
1995		0.63	0.41		0.52	0.65	0.52			0.49	0.55
1996		0.86	0.59		0.65	0.79				0.96	0.82
1997		1.05	0.43		0.55	0.42	0.49			0.40	0.61
1998		0.83	0.55		0.42	0.84	0.87		1.48	0.78	0.79
1999		0.44	0.33			0.32				0.48	0.40
2000		0.80			0.68	0.43	0.38			1.06	0.67
2001		1.33	0.91		0.63	0.57			0.65	0.66	0.74
AVERAGES:											
1962-71		1.28	1.35		0.88	0.95	0.83		0.94	0.63	0.83
1972-81		1.14	1.56		1.25	0.66	1.06		1.86	0.83	0.93
1982-91		0.81	0.86		0.63	0.76	0.72	0.63	0.84	0.51	0.66
1992-01		0.84	0.51		0.52	0.53	0.62		0.76	0.62	0.61
1961-01		1.02	1.03		0.69	0.71	0.77	0.63	1.00	0.65	0.76

Empty cells indicate <50 tails were received and an age ratio could not be obtained

D.E. SHARP FILE S:\cf_d\projects\database\groups\geeseage.xls

¹ Small Canada geese harvest is derived from tail measurements taken from the Parts Collection

Survey and is used to identify Tall Grass and Short Grass Prairie populations of Canada geese. Small Canada geese tail measurement are <=155 for adults and <=137 for immatures.

LARGE¹ CANADA GOOSE AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	CEN FLYWAY
1962											0.20
1963			0.24			0.26		0.07			0.25
1964	0.05		0.28		0.06	0.00					0.15
1965						0.39					0.54
1966			0.68			0.51					0.54
1967			0.42			0.76					0.39
1968			0.57			0.16					0.24
1969	0.07		0.52		0.15	0.19					0.25
1970			0.73		0.50	0.30					0.41
1971						0.20					0.26
1972	0.01		0.50								0.21
1973	0.17		0.73			0.24					0.30
1974			0.37			0.13					0.22
1975						0.09					0.29
1976						0.05					0.16
1977						0.24					0.35
1978	0.10		0.41			0.23					0.20
1979	0.06					0.02					0.07
1980	0.00		0.07			0.04					0.06
1981	0.03		0.11		0.02	0.05					0.10
1982	0.13		0.30	0.03	0.07	0.08					0.13
1983	0.00		0.13	0.00	0.09	0.03	0.08	0.03			0.08
1984	0.02		0.20	0.04	0.09	0.07	0.22				0.11
1985	0.03		0.14	0.04	0.05	0.04	0.03		0.18		0.07
1986	0.05		0.14	0.13	0.22	0.06	0.41				0.14
1987	0.15		0.39	0.07	0.18	0.13	0.25				0.21
1988	0.14	0.21	0.27	0.16	0.19	0.08	0.23				0.18
1989	0.07	0.07	0.23	0.14	0.09	0.13	0.16		0.18		0.15
1990	0.07	0.11	0.11	0.06	0.14	0.08	0.13		0.21		0.11
1991	0.11	0.17	0.15	0.12	0.09	0.13	0.18		0.19		0.14
1992	0.16	0.30	0.21	0.10	0.16	0.11	0.11	0.19	0.12		0.17
1993	0.15	0.22	0.22	0.12	0.17	0.14	0.23		0.15		0.17
1994	0.04	0.23	0.13	0.08	0.12	0.10	0.14		0.21		0.13
1995	0.13	0.32	0.14	0.06	0.15	0.11	0.10				0.14
1996	0.14	0.22	0.22	0.11	0.19	0.18	0.11		0.10		0.18
1997	0.27	0.29	0.33	0.21	0.19	0.21	0.15		0.10		0.24
1998	0.13	0.12	0.27	0.03	0.13	0.13	0.14				0.16
1999	0.14	0.15	0.29	0.12	0.15	0.10	0.08		0.08		0.17
2000	0.12	0.24	0.17	0.13	0.15	0.09	0.08		0.09		0.14
2001	0.12	0.31	0.29	0.07	0.17	0.06	0.06		0.11		0.18
AVERAGES:											
1962-71	0.06		0.49		0.24	0.31		0.07			0.32
1972-81	0.06		0.36		0.02	0.12					0.20
1982-91	0.08	0.14	0.20	0.08	0.12	0.08	0.19	0.03	0.19		0.13
1992-01	0.14	0.24	0.23	0.10	0.16	0.13	0.12	0.19	0.12		0.17
1962-01	0.09	0.21	0.30	0.09	0.15	0.16	0.15	0.10	0.14		0.20

Empty cells indicate <50 tails were received and an age ratio could not be obtained.

D.E. SHARP FILE S:\cf_d\projects\datobook\groups\geeseage.xls

¹ Large Canada geese harvest is derived from tail measurements taken from the Parts Collection

Survey. Large Canada geese tail measurement are >=156 for adults and >=138 for immatures.

WHITE-FRONTED GOOSE AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST

Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1962										0.80			0.74	1.95	1.39
1963										0.80			1.03	1.25	1.17
1964		0.75								0.63			0.65	1.33	0.93
1965										0.73		0.56	0.68	1.05	0.83
1966										1.03		1.00	1.02	1.52	1.22
1967										0.55			0.61	1.24	1.00
1968													1.31	1.50	1.44
1969										0.54			0.65	2.06	1.28
1970										0.93			0.88	1.05	1.06
1971										0.35			0.41	1.44	0.59
1972													0.78	1.58	1.11
1973										1.54			1.40	0.88	1.20
1974										0.38			0.39	0.63	0.51
1975										1.39			1.28	1.21	1.32
1976										0.80			0.77	1.84	1.40
1977										1.05			0.87	2.68	1.24
1978										0.77			0.72	2.14	0.77
1979										0.95		1.13	0.88	2.12	1.12
1980										1.40			1.34	1.59	1.15
1981										0.97		0.65	0.96	0.96	0.80
1982										0.63		0.52	0.41	0.83	0.57
1983										0.97		0.85	1.00	0.90	0.91
1984										0.91		0.77	0.87		0.83
1985										0.63		0.65	0.63	0.41	0.62
1986										0.50		0.23	0.45		0.37
1987										0.93		0.70	0.91	1.03	0.85
1988										0.91		0.53	0.91	0.88	0.77
1989			0.51							0.79		0.61	0.78	1.53	0.77
1990										0.86		0.51	0.84	1.33	0.69
1991										0.97		0.51	0.29	1.47	0.71
1992										0.34		0.15	0.34	1.64	0.32
1993										0.85		0.56	0.85	1.61	0.80
1994										0.63		0.47	0.63	1.23	0.58
1995										1.02		0.77	1.00	1.03	0.88
1996										0.75		0.79	0.78	0.52	0.76
1997										0.37		0.30	0.39	1.39	0.41
1998										0.74		0.52	0.71	1.84	0.68
1999										0.73		0.84	0.72	1.54	0.82
2000										0.55		0.43	0.53	0.80	0.50
2001										0.45		0.68	0.44	0.73	0.58
AVERAGES:															
1962-71		0.75								0.71		0.78	0.80	1.44	1.09
1972-81										1.03		0.89	0.94	1.56	1.06
1982-91			0.51							0.81		0.59	0.71	1.05	0.71
1992-01										0.64		0.55	0.64	1.23	0.63
1961-01															

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

SNOW GOOSE (LESSER & GREATER) AGE RATIOS (IMMATURE/ADULT) IN THE REGULAR SEASON HARVEST
 Derived from the Parts Collection Survey

YR	MT	ND	SD	WY	NE	CO	KS	NM	OK	TX	ATL FLYWAY	MISS FLYWAY	CEN FLYWAY	PAC FLYWAY	U.S.
1962		0.56	0.81							0.76	1.12	0.80	0.75	1.30	0.86
1963	0.48	0.85	0.93							1.00		0.87	0.94	1.32	1.03
1964		0.47	0.60							1.11		1.03	0.88	0.81	0.91
1965		0.52	0.93		0.60					1.29		0.98	0.96	0.16	0.77
1966		1.05	0.81							1.29		1.37	1.19	1.90	1.45
1967		0.60	0.54		0.67				0.62	0.78		0.89	0.67	0.33	0.64
1968		0.42	0.50							0.39		0.28	0.40	0.58	0.40
1969		1.44	1.42		1.49					1.60	0.21	1.44	1.44	0.96	1.35
1970		1.13	1.37		1.54		0.97			1.13	5.08	1.00	1.16	1.59	1.16
1971		0.42	0.62							0.46		0.72	0.45	0.53	0.55
1972		0.59	0.31							0.35		0.23	0.40	0.78	0.32
1973		1.61	1.62		3.45		1.66			1.52		1.73	1.62	1.55	1.65
1974		0.74	0.46		0.85		0.38			0.63		0.77	0.64	0.10	0.59
1975		1.40	1.30		1.72		1.17			1.54	1.13	0.98	1.47	2.66	1.42
1976		0.71						1.92		0.58	0.33	0.61	0.61	1.55	0.79
1977		1.60	0.97					0.59		1.38	1.57	1.33	1.35	0.71	1.21
1978		0.29	0.23					0.30		0.24	0.66	0.25	0.26	0.39	0.28
1979		1.84	1.33		1.82				1.16	1.38	0.75	1.78	1.55	0.82	1.49
1980		0.60	0.55							0.60	1.85	0.91	0.59	1.23	0.77
1981		1.19	1.04						0.93	0.89	1.03	0.80	1.02	1.12	0.99
1982		1.10	0.66							0.69	0.78	0.94	0.79	0.35	0.77
1983		0.93	0.41					1.87		0.69	2.74	0.44	0.75	1.19	0.72
1984		1.28	1.73					1.13	0.72	0.78	1.22	0.76	0.95	0.75	0.90
1985		1.23	0.41		0.35		0.75			0.58	0.88	1.24	0.71	0.92	0.86
1986		0.59	0.24		0.09		0.16	0.11		0.23	0.17	0.25	0.34	0.17	0.28
1987		0.92	0.46				0.49			0.56	2.53	0.52	0.68	1.21	0.80
1988		1.68	1.02							0.77	2.04	0.64	1.09	0.95	1.08
1989		1.15	0.69					1.15		0.92	1.37	0.95	0.97	0.50	0.93
1990		1.02	0.33		0.53		0.28	1.73	0.82	0.65	0.72	0.40	0.66	0.81	0.60
1991		1.76	0.72				1.13		0.71	0.63	1.87	0.83	0.97	0.32	0.90
1992		0.16	0.06		0.07		0.06			0.07	0.14	0.08	0.10	0.43	0.12
1993		1.63	0.79				0.60			0.84	2.26	0.97	1.03	1.28	1.11
1994		1.57	0.41		0.41		0.30			0.49	0.74	0.45	0.80	0.18	0.64
1995		1.03	0.49				0.35		0.30	0.55	0.60	0.41	0.65	0.61	0.56
1996		1.17	0.54				0.45	0.56		0.70	0.58	0.51	0.78	0.77	0.66
1997		1.44	0.50		0.36		0.25			0.53	1.85	0.69	0.79	0.33	0.76
1998		0.84	0.15		0.15	0.70		1.03		0.66	1.56	0.54	0.61	1.20	0.68
1999		0.43	0.15		0.12	0.45				0.52	0.02	0.57	0.47	0.69	0.48
2000		0.76				0.08		0.21		0.30	1.60	0.51	0.36	0.38	0.50
2001		0.66	0.41			0.13	1.33			0.54	1.27	0.78	0.54	0.35	0.66
AVERAGES:															
1962-71	0.48	0.74	0.85		1.07		0.97		0.62	0.98	2.14	0.94	0.89	0.95	0.91
1972-81		1.06	0.87		1.96		1.07	0.94	1.05	0.91	1.05	0.94	0.95	1.09	0.95
1982-91		1.16	0.67		0.32		0.56	1.20	0.75	0.65	1.43	0.70	0.79	0.72	0.78
1992-01		0.97	0.39		0.22	0.34	0.48	0.60	0.30	0.52	1.06	0.55	0.61	0.62	0.62
1961-01	0.48	0.98	0.70		0.89	0.34	0.65	0.96	0.75	0.77	1.29	0.78	0.81	0.84	0.82

¹Empty cells indicate <50 tails were received and an age ratio could not be obtained

CENTRAL FLYWAY
U.S. LIGHT GOOSE HUNTING FRAMEWORKS

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SUMMARY OF CENTRAL FLYWAY ¹ FRAMEWORKS FOR LIGHT ² GOOSE HUNTING, 1918-24.

1918
1919
1920
1921
1922
1924

EAST TIER STATES - ND, SD, NE, KS, OK, & E. TX

Beginning Shooting Time	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	September 16	September 16	September 16	September 16	September 16	September 16
Latest Closing Date	January 31	January 31	January 31	January 31	January 31	January 31
Season Length	107	107	107	107	107	107
Daily Bag/Possession	8/16	8/16	8/16	8/16	8/16	8/16

¹ The Central Flyway Council was not established until 1948 and these frameworks reflect the outside options for member States in the Central Flyway.

² The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.

WEST TIER STATES - MT, WY, CO, NM, & W. TX

Beginning Shooting Time	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	September 16	September 16	September 16	September 16	September 16	September 16
Latest Closing Date	January 31	January 31	January 31	January 31	January 31	January 31
Season Length	107	107	107	107	107	107
Daily Bag/Possession	8/16	8/16	8/16	8/16	8/16	8/16

¹ The Central Flyway Council was not established until 1948 and these frameworks reflect the outside options for member States in the Central Flyway.

² The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.

SUMMARY OF CENTRAL FLYWAY¹ FRAMEWORKS FOR LIGHT² GOOSE HUNTING, 1925-34.

	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	
EAST TIER STATES - ND, SD, NE, KS, OK, & E. TX											
Beginning Shooting Time	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	Sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	September 16	September 16	September 16	September 16	September 16	September 16	September 16	October 1	October 1	September 21	October 3
Latest Closing Date	January 31	January 31	January 31	January 31	January 31	January 31	January 31	January 15	January 15	December 31	December 30
Season Length	107	107	107	107	107	92	76	61	61	30	
Daily Bag/Possession	8/16	8/16	8/16	8/16	8/16	4/8	4/8	4/8 ³	4/8 ³	4/8 ³	

¹ The Central Flyway Council was not established until 1948 and these frameworks reflect the outside options for member States in the Central Flyway.

² The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.

³ The season on Ross's geese is closed.

WEST TIER STATES - MT, WY, CO, NM, & W. TX

Beginning Shooting Time	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	Sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	September 16	September 16	September 16	September 16	September 16	September 16	September 16	October 1	October 1	September 21	October 3
Latest Closing Date	January 31	January 31	January 31	January 31	January 31	January 31	January 31	January 15	January 15	December 31	December 30
Season Length	107	107	107	107	107	92	76	61	61	30	
Daily Bag/Possession	8/16	8/16	8/16	8/16	8/16	4/8	4/8	4/8 ³	4/8 ³	4/8 ³	

¹ The Central Flyway Council was not established until 1948 and these frameworks reflect the outside options for member States in the Central Flyway.

² The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.

³ The season on Ross's Geese is closed.

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14-Jul-03

SUMMARY OF CENTRAL FLYWAY¹ FRAMEWORKS FOR LIGHT ² GOOSE HUNTING, 1935-44.

1935
1936
1937
1938
1939
1940
1941
1942
1943
1944

EAST TIER STATES - ND, SD, NE, KS, OK, & E. TX

Beginning Shooting Time	7 a.m.	7 a.m.	7 a.m.	7 a.m.	7 a.m.	Sunrise	Sunrise	Sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	4 p.m.	4 p.m.	4 p.m.	4 p.m.	4 p.m.	4 p.m.	4 p.m.	Sunset	Sunset	Sunset
Earliest Opening Date	October 21	October 10	October 9	October 1	October 1	October 1	October 1	September 26	September 25	September 20
Latest Closing Date	December 19	December 25	December 26	December 29	December 29	December 31	December 31	January 10	January 10	January 20
Season Length	30	30	30	45	45	60	60	70	70	80
Daily Bag/Possession	4/4 ³	4/4 ³	5/5 ³	5/10 ³	4/8 ³	3/6 ³	3/6 ³	2/6 ^{3*}	2/6 ^{3*}	4/8 ³

¹ The Central Flyway Council was not established until 1948 and these frameworks reflect outside options for member States in the Central Flyway.
² The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.
³ The season on Ross's geese is closed.
^{*} A bonus of 4 blue geese is allowed, if the first 2 geese are blue geese.

WEST TIER STATES - MT, WY, CO, NM, & W. TX

Beginning Shooting Time	7 a.m.	7 a.m.	7 a.m.	7 a.m.	7 a.m.	Sunrise	Sunrise	Sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	4 p.m.	4 p.m.	4 p.m.	4 p.m.	4 p.m.	4 p.m.	4 p.m.	Sunset	Sunset	Sunset
Earliest Opening Date	October 21	October 10	October 9	October 1	October 1	October 1	October 1	September 26	September 25	September 20
Latest Closing Date	December 19	December 25	December 26	December 29	December 29	December 31	December 31	January 10	January 10	January 20
Season Length	30	30	30	45	45	60	60	70	70	80
Daily Bag/Possession	4/4 ³	4/4 ³	5/5 ³	5/10 ³	4/8 ³	3/6 ³	3/6 ³	2/6 ³	2/6 ^{3*}	4/8 ³

¹ The Central Flyway Council was not established until 1948 and these frameworks reflect outside options for member States in the Central Flyway.
² The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.
³ The season on Ross's geese is closed.
^{*} A bonus of 4 blue geese is allowed, if the first 2 geese are blue geese.

SUMMARY OF CENTRAL FLYWAY¹ FRAMEWORKS FOR LIGHT² GOOSE HUNTING, 1945-54.

1945
1946
1947
1948
1949
1950
1951
1952
1953
1954

EAST TIER STATES - ND, SD, NE, KS, OK, & E. TX

Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	Sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	1/2 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	Sunset
Earliest Opening Date	September 20	October 5	October 7	October 8	October 7	October 6	October 5	October 5	October 1	October 1
Latest Closing Date	January 20	January 6	January 5	January 5	January 7	January 5	January 5	January 5	January 10	January 10 *
Season Length	80	35	28 or 35	28 or 35	36 or 45	36 or 45	40 or 50	48 or 60	54 or 60	54 or 60
Daily Bag/Possession	4/8 ³	2/2 ³	4/4 ³	4/4	5/5	5/5	5/5	5/5	5/5	5/5

¹ The Central Flyway Council was established in 1948 and from 1945-47 the frameworks reflect outside options for member States in the Central Flyway.

² The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.

³ The season on Ross's geese is closed.

* Seasons could be extended until Jan 20, with a 2-day penalty for each day extended past Jan 10.

WEST TIER STATES - MT, WY, CO, NM, & W. TX

Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	Sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	1/2 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	Sunset
Earliest Opening Date	September 20	October 5	October 7	October 8	October 7	October 6	October 5	October 5	October 1	October 1
Latest Closing Date	January 20	January 6	January 5	January 5	January 7	January 5	January 5	January 5	January 10	January 10 *****
Season Length	80	35	28 or 35	28 or 35	36 or 45	36 or 45	40 or 50	48 or 60	54 or 60	54 or 60
Daily Bag/Possession	4/8 ³	2/2 ³	4/4 ^{3**}	4/4 ^{**}	5/5 * * * *	5/5 * * * *	5/5 * * * *	5/5 * * * * *	5/5 * * * * *	5/5 * * * * *

¹ The Central Flyway Council was established in 1948 and from 1945-47 the frameworks reflect outside options for member States in the Central Flyway.

² The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.

³ The season on Ross's geese is closed.

* The season on snow geese is closed in Wyoming.

** The season on snow geese is closed in Wyoming and Colorado.

*** The bag/possession limit for snow geese is 1/1 in New Mexico.

**** The season on blue geese is closed in Colorado.

***** The bag/possession limit for snow geese is 2/2 in New Mexico.

***** Seasons could be extended until Jan 20, with a 2-day penalty for each day extended past Jan 10.

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR LIGHT ¹ GOOSE HUNTING, 1955-64.

1955
1956
1957
1958
1959
1960
1961
1962
1963
1964

EAST TIER STATES - ND, SD, NE, KS, OK, & E. TX

Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	October 1	October 1	October 1	October 1	October 7	October 7	October 1	October 1	October 1	October 1	October 1
Latest Closing Date	January 15	January 15	January 15	January 15	January 8	January 8	January 8	January 13	January 15	January 15	January 15
Season Length	60	60	60	75	75	75	60	75	75	75	75
Daily Bag/Possession	5/5 ²	5/5 ²	6/6 ²	5/5 ²	5/5 ²	5/5 ²	5/5 ²	5/5 ²	5/5 ³	5/5 ³	5/5 ³

¹ The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.
² The season is closed on Ross's geese.
³ The bag/possession limit on Ross's geese is 1/1.

WEST TIER STATES - MT, WY, CO, NM, & W. TX

Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	October 1	October 1	October 1	October 1	October 7	October 7	October 1	October 6	October 5	October 10	October 10
Latest Closing Date	January 15	January 15	January 15	January 15	January 8	January 8	January 8	January 6	January 5	January 10	January 10
Season Length	60	60	60	75	75	75	60	75	90	90	90
Daily Bag/Possession	5/5 ²	5/5 ²	6/6 ²³	5/5 ²³	5/5 ²³	5/5 ²³	5/5 ²³	5/5 ²	5/5 [*]	5/5 [*]	5/5 [*]

¹ The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.
² The season is closed on Ross's geese.
³ The season is closed on snow geese in Wyoming.
^{*} The bag/possession limit on Ross's geese is 1/1.

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR LIGHT ¹ GOOSE HUNTING, 1965-74.

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
EAST TIER STATES - ND, SD, NE, KS, OK, & E. TX										
Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	October 1	October 1	September 30	October 1	October 1	October 1	October 1	October 1	September 29	September 28
Latest Closing Date	January 15	January 15	January 14	January 15	January 15	January 17	January 16	January 24	January 20	January 19
Season Length	75	75	75	75	86	75	75	72	72	72
Daily Bag/ Possession	5/5 ²	5/5 ²	5/5 ²	5/5 ²	5/5 ²	5/5 ²	5/5 ²	5/5 ²	4/4 ²	5/5 ²

¹ The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.

² The bag/possession limit for Ross's geese is 1/1.

WEST TIER STATES - MT, WY, CO, NM, & W. TX										
Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	October 1	October 1	September 30	October 1	October 1	October 1	October 1	October 1	September 29	September 28
Latest Closing Date	January 15	January 15	January 14	January 15	January 15	January 17	January 16	January 24	January 20	January 19
Season Length	75	75	75	75	86	90	90	93	93	93
Daily Bag/ Possession	5/5 ²	5/5 ²	5/5 ²	2/2 ²	2/4 ²	2/4 ²	2/4 ²	2/4 ²	2/4 ²	2/4 ²

¹ The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate.

² The bag/possession limit for Ross's geese is 1/1.

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14-Jul-03

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR LIGHT ¹ GOOSE HUNTING, 1975-84

1975
1976
1977
1978
1979
1980
1981
1982
1983
1984

EAST TIER STATES ² - ND, SD, NE, KS, OK, & E. TX

Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	October 4	October 2	October 1	September 30	September 29	October 4	October 3	October 2	October 1	September 29	
Latest Closing Date	January 18	January 23	January 22	January 21	January 20	January 18	January 17	January 23	January 22	February 12	
Season Length	72	72	86	86	86	86	86	86	86	86	86
Daily Bag/ Possession	5/5 ^{1 3}	5/5 ^{2 3}	5/5 ^{2 3}	5/5 ^{2 3}	5/5	5/10	5/10	5/10	5/10	5/10	5/10

¹ In 1975, the bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate

² Beginning in 1976, bag/possession limits were set separately for light and dark geese.

³ The bag/possession limit for Ross's geese is 1/1.

WEST TIER STATES - MT, WY, CO, NM, & W. TX

Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	October 4	October 2	October 1	September 30	September 29	October 4	October 3	October 2	October 1	September 29	
Latest Closing Date	January 18	January 23	January 22	January 21	January 20	January 18 ²	January 17 ²	January 23 ²	January 22 ²	February 12 ²	
Season Length	93	93	93	93	93	93	93	93	93	93	93
Daily Bag/ Possession	2/4 ³	2/4 ^{3 *}	2/4 ^{3 *}	2/4 ^{3 *}	2/4 [*]	2/4 ^{**}	2/4 ^{**}	2/4 ^{**}	2/4 ^{**}	2/4 ^{**}	2/4 ^{**}

¹ The bag/possession limit is an aggregate goose bag for all species, either singly or in the aggregate

² Excluding New Mexico's MRGV, where the ending date is February 14 (1981), February 13 (1982), February 12 (1983), February 28 (1984).

³ The bag/possession limit for Ross's geese is 1/1.

^{*} The bag/possession limit for light geese is 5/5 for New Mexico and the Western Goose Zone, Texas.

^{**} The bag/possession limit for light geese is 5/10 for New Mexico and the Western Goose Zone, Texas.

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR LIGHT GOOSE HUNTING, 1985-94

1985

1986

1987

1988

1989

1990

1991

1992

1993

1994

EAST TIER STATES - ND, SD, NE, KS, OK, & E. TX

Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	September 28	October 4	October 3	October 1	September 30	September 29	September 28	October 3	October 2	October 1
Latest Closing Date	February 16	February 15	February 14	February 14	February 18	February 17	February 16	February 14	February 13	February 28 ¹
Season Length	86	86	86	86	100	86 or 100	86 or 100	107	107	107
Daily Bag/Possession	5/10	5/10	5/10	5/10	5/10	5/10 or 7/14	5/10 or 7/14	10/20	10/20	10/20

¹ Excluding ND, SD, and NE where the ending date is February 12.

WEST TIER STATES - MT, WY, CO, NM, & W. TX

Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	September 28	October 4	October 3	October 1	September 30	September 29	September 28	October 3	October 2	October 1
Latest Closing Date	February 16 ¹	February 15 ¹	February 14 ¹	February 14 ¹	February 18 ¹	February 17 ¹	February 16 ¹	February 14 ¹	February 13 ¹	February 28 ²
Season Length	93	93	93	95	95	100	107	107	107	107
Daily Bag/Possession	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10

¹ Excluding New Mexico's MRGV, where the ending date is February 28.² Excluding MT and WY where the ending date is February 12.

D.E. SHARP FILE S:\CD_D\EXCEL\FRAMEWORKS\teframeall.xls

14-Jul-03

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR LIGHT GOOSE HUNTING, 1995-2001

1995
1996
1997
1998
1999
2000
2001

EAST TIER STATES - ND, SD, NE, KS, OK, & E. TX

Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	September 30	September 28	October 4	October 3	October 2	September 30	September 29
Latest Closing Date	March 10 ¹	March 10 ²	March 10 ³	March 10 ³	March 10 ³	March 10	March 10
Season Length	107	107	107	107	107	107	107
Daily Bag/Possession	10/20	10/40	10/40	20/None	20/None	20/None	20/None

¹ Excluding ND, SD, and NE north of the Platte River and the Rainwater Basin Zone where the ending date is February 18.

² Excluding Nebraska's Rainwater Basin Zone where the ending date is February 16.

³ Excluding Nebraska's Rainwater Basin West Zone where the ending date is February 1.

WEST TIER STATES - MT, WY, CO, NM, & W. TX

Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Earliest Opening Date	September 30	September 28	October 4	October 3	October 2	September 30	September 29
Latest Closing Date	March 10 ¹	March 10	March 10	March 10	March 10	March 10	March 10
Season Length	107	107	107	107	107	107	107
Daily Bag/Possession	5/10	10/40	10/40	20/None	20/None	20/None	20/None

¹ Excluding MT and WY north of I-80, where the ending date is February 18.

U.S. Federal Frameworks for the Hunting of Light Geese 1961-2001

YEAR	PACIFIC FLYWAY ¹						CENTRAL FLYWAY ²								MISSISSIPPI FLYWAY				ATLANTIC FLYWAY					
				BAG/POSS			WEST TIER STATES				EAST TIER STATES													
	OPEN	CLOSE	DAYS	SNOWS	Ross's	OPEN	CLOSE	DAYS	BAG/POSS	OPEN	CLOSE	DAYS	BAG/POSS	OPEN	CLOSE	DAYS	BAG/POSS	OPEN	CLOSE	DAYS	BAG/POSS			
1961	Oct 7	Jan 7	75	6/6	Closed ³	Oct 01	Jan 08	60	5/5	3,4,6	Oct 01	Jan 08	60	5/5	3,6	Oct 01	Jan 08	60	5/5	18				
1962	Oct 6	Jan 6	75	6/6	Closed ³	Oct 06	Jan 06	75	5/5	3,6	Oct 01	Jan 13	75	5/5	3,6	Oct 01	Jan 13	60	5/5	18				
1963	Oct 5	Jan 5	90	6/6	1/1	Oct 05	Jan 05	90	5/5	5,6	Oct 01	Jan 15	75	5/5	5,6	Oct 01	Jan 15	70	5/5	18				
1964	Oct 10	Jan 10	90	6/6	1/1	Oct 10	Jan 10	90	5/5	5,6	Oct 01	Jan 15	75	5/5	5,6	Oct 01	Jan 15	70	5/5	18				
1965	Oct 9	Jan 9	90	6/6	1/1	Oct 01	Jan 15	75	5/5	5,6	Oct 01	Jan 15	75	5/5	5,6	Oct 01	Jan 15	70	5/5	18				
1966	Oct 8	Jan 8	90	6/6	1/1	Oct 01	Jan 15	75	5/5	5,6	Oct 01	Jan 15	75	5/5	5,6	Oct 01	Jan 15	70	5/5	18				
1967	Oct 7	Jan 14	90	6/6	1/1	Sep 30	Jan 14	75	5/5	5,6	Sep 30	Jan 14	75	5/5	5,6	Sep 30	Jan 14	70	5/5	18				
1968	Oct 5	Jan 12	93	6/6	1/1	Oct 01	Jan 15	75	2/2	5,6	Oct 01	Jan 15	75	5/5	5,6	Sep 28	Jan 12	70	5/5	18				
1969	Oct 4	Jan 11	93	6/6	1/1	Oct 01	Jan 15	86	2/4	5,6	Oct 01	Jan 15	86	5/5	5,6	Sep 27	Jan 11 ²¹	70	5/5	18				
1970	Oct 3	Jan 17	93	6/6	1/1	Oct 01	Jan 17	90	2/4	5,6	Oct 01	Jan 17	75	5/5	5,6	Oct 01	Jan 24 ²¹	70	5/5	18				
1971	Oct 2	Jan 16	93	6/6	1/1	Oct 01	Jan 16	90	2/4	5,6	Oct 01	Jan 16	75	5/5	5,6	Oct 01	Jan 23 ²³	70	5/5	18				
1972	Oct 1	Jan 20	93	6/6	1/1	Oct 01	Jan 24	93	2/4	5,6	Oct 01	Jan 24	72	4/4	5,6	Oct 01	Jan 20 ²³	70	5/5	18				
1973	Sep 29	Jan 20	93	6/6	1/1	Sep 29	Jan 20	93	2/4	5,6	Sep 29	Jan 20	72	5/5	5,6	Oct 01	Jan 20 ²³	70	5/5	18				
1974	Sep 28	Jan 19	93	6/6	1/1	Sep 28	Jan 19	93	2/4	5,6	Sep 28	Jan 19	72	5/5	5,6	Oct 01	Jan 20 ²³	70	5/5	18				
1975	Oct 4	Jan 18	93	3/6	1/1	Oct 04	Jan 18	93	2/4	5,6	Oct 04	Jan 18	72	5/5	5,6	Oct 01	Jan 20 ²³	70	5/5	18	Oct 1	Jan 31	30	2/4
1976	Oct 2	Jan 23	93	3/6	1/1	Oct 02	Jan 23	93	2/4	5,6,9	Oct 02	Jan 23	72	5/5	5	Oct 01	Jan 20 ²³	70	5/5	18	Oct 1	Jan 31	30	2/4
1977	Oct 1	Jan 22	93	3/6	1/1	Oct 01	Jan 22	93	2/4	5,6,9	Oct 01	Jan 22	86	5/5	5	Oct 01	Jan 20 ²³	70	5/5	18	Oct 1	Jan 31	60	2/4
1978	Sep 30	Jan 21	93	3/6	1/1	Sep 30	Jan 21	93	2/4	5,6,9	Sep 30	Jan 21	86	5/5	5	Oct 01	Jan 20 ²³	70	5/5	18	Oct 1	Jan 31	70	2/4
1979	Sep 29	Jan 20	93	3/6	3/6	Sep 29	Jan 20	93	2/4	6,9	Sep 29	Jan 20	86	5/5		Sep 29	Jan 20 ²³	70	5/5	18	Oct 1	Jan 31	70	4/8
1980	Oct 4	Jan 18	93	3/6	3/6	Oct 04	Jan 18 ⁸	93	2/4	6,10	Oct 04	Jan 18	86	5/10		Oct 04	Jan 20 ²³	70	5/10	18	Oct 1	Jan 31	70	4/8
1981	Oct 3	Jan 17	93	3/6	3/6	Oct 03	Jan 17 ⁸	93	2/4	6,10	Oct 03	Jan 17	86	5/10		Oct 03	Jan 20 ²³	70	5/10	18	Oct 1	Jan 31	90	4/8
1982	Oct 2	Jan 23	93	3/6	3/6	Oct 02	Jan 23 ⁸	93	2/4	6,10	Oct 02	Jan 23	86	5/10		Oct 02	Jan 20 ²³	70	5/10	18	Oct 1	Jan 31	90	4/8
1983	Oct 1	Jan 22	93	3/6	3/6	Oct 01	Jan 22 ⁸	93	2/4	6,10	Oct 01	Jan 22	86	5/10		Oct 01	Jan 20 ²³	70	5/10	18	Oct 1	Jan 31	90	4/8
1984	Sep 29	Jan 20	93	3/6	3/6	Sep 29	Feb 12 ⁸	93	2/4	6,10	Sep 29	Feb 12	86	5/10		Sep 29	Jan 20 ²³	70	5/10	18	Oct 1	Jan 31	90	4/8
1985	Sep 28	Jan 19	93	3/6	3/6	Sep 28	Feb 16 ¹¹	93	5/10		Sep 28	Feb 16	86	5/10		Sep 28	Jan 20 ²³	70	5/10	18	Oct 1	Jan 31	90	4/8
1986	Oct 4	Jan 18	93	3/6	3/6	Oct 04	Feb 15 ¹¹	93	5/10		Oct 04	Feb 15	86	5/10		Oct 04	Jan 20 ^{19,22,23}	70	5/10	18	Oct 1	Jan 31	90	4/8
1987	Oct 3	Jan 17	93	3/6	3/6	Oct 03	Feb 14 ¹¹	93	5/10		Oct 03	Feb 14	86	5/10		Oct 03	Jan 17 ^{19,22,23}	70	5/10	18	Oct 1	Jan 31	90	4/8
1988	Oct 1	Jan 22	93	3/6	3/6	Oct 01	Feb 14 ¹¹	95	5/10		Oct 01	Feb 14	86	5/10		Oct 01	Jan 22 ^{23,24}	70	5/10	18	Oct 1	Jan 31	90	4/8
1989	Sep 30	Jan 21	93	3/6	3/6	Sep 30	Feb 18 ¹¹	95	5/10		Sep 30	Feb 18	100	5/10		Sep 30	Jan 21 ^{23,24}	80	7/14	18	Oct 1	Jan 31	90	5/10
1990	Sep 29	Jan 20	93	3/6	3/6	Sep 29	Feb 17 ¹¹	100	5/10		Sep 29	Feb 17	86;100	5/10;7/14		Sep 29	Jan 20 ^{23,24}	80	7/14	18	Oct 1	Feb 10	107	5/10
1991	Sep 28	Jan 19	93	3/6	3/6	Sep 28	Feb 16 ¹¹	107	5/10		Sep 28	Feb 16	86;100	5/10;7/14		Sep 28	Jan 31 ²³	80	7/14	18	Oct 1	Jan 10	107	5/10
1992	Oct 3	Jan 17	93	3/6	3/6	Oct 03	Feb 14 ¹¹	107	5/10		Oct 03	Feb 14	107	10/20		Oct 03	Jan 31 ²³	80	7/14	18	Oct 1	Feb 10	107	5/10
1993	Oct 2	Jan 23	100	3/6	3/6	Oct 02	Feb 13 ¹¹	107	5/10		Oct 02	Feb 13	107	10/20		Oct 02	Feb 14	80	7/14	18	Oct 1	Feb 10	107	5/10
1994	Oct 1	Jan 20	100	3/6	3/6	Oct 01	Feb 28 ¹²	107	5/10		Oct 01	Feb 28 ⁷	107	10/20		Oct 01	Feb 14	107	7/14	18	Oct 1	Feb 10	107	5/10
1995	Oct 1	Jan 21	100	3/6	3/6	Sep 30	Mar 10 ¹⁷	107	5/10		Sep 30	Mar 10 ¹³	107	10/20		Oct 01	Feb 14 ²⁵	107	10/20	18	Oct 1	Feb 10 ²⁶	107	5/10
1996	Sep 29	Jan 19	100	3/6	3/6	Sep 28	Mar 10	107	10/40		Sep 28	Mar 10 ¹⁴	107	10/40		Sep 28	Mar 10	107	10/30		Oct 1	Mar 10	107	8/24
1997	Oct 04	Jan 18	100	3/6	3/6	Oct 04	Mar 10	107	10/40		Oct 04	Mar 10 ¹⁴	107	10/40		Oct 04	Mar 10	107	10/30		Oct 1	Mar 10	107	10/30
1998	Oct 03	Jan 17	100	3/6	3/6	Oct 03	Mar 10	107	20/none		Oct 03	Mar 10 ¹⁵	107	20/none		Oct 03	Mar 10	107	20/none		Oct 1	Mar 10	107	15/none
1999	Oct 02	Jan 23	100	3/6	3/6	Oct 02	Mar 10	107	20/none		Oct 02	Mar 10 ¹⁵	107	20/none		Oct 02	Mar 10	107	20/none		Oct 1	Mar 10	107	15/none
2000	Sep 30	Jan 21	100	3/6	3/6	Sep 30	Mar 10	107	20/none		Sep 30	Mar 10 ¹⁵	107	20/none		Sep 30	Mar 10	107	20/none		Oct 1	Mar 10	107	15/none
2001	Sep 29	Jan 20	100	3/6	3/6	Sep 29	Mar 10	107	20/none		Sep 29	Mar 10	107	20/none		Sep 29	Mar 10	107	20/none		Oct 1	Mar 10	107	15/none

1 Alaska frameworks are separate. Generally 105-107 days with a total goose bag of 6

2. East - ND/SD/NE/KS/OK/TX (E.), West - MT/WY/CO/NM/TX (W.)

3. The season is closed on Ross's geese

4. The season is closed on snow geese in Wyoming

5. The bag/possession limit on Ross's geese is 1/1.

6. Aggregate goose limit

7. Excluding ND, SD, and NE, where the ending date is Feb 12

8. Excluding NM MRGV, where the ending date is Feb 14 (1981), Feb 13 (1982), Feb 12 (1983), Feb 28 (1984)

9. The bag/pos limit for light geese is 5/5 for NM and the western goose zone, TX

10. The bag/pos limit for light geese is 5/10 for NM and the western goose zone, TX

11. Excluding NM MRGV, where the ending date is Feb 28

12. Excluding MT and WY where the ending date is Feb 12

13. Excluding ND, SD and NE north of the Platte R. and the Rainwater Basin Zone

where the ending date is Feb 18

14. Excluding NE Rainwater Basin Zone where the ending date is Feb 16

15. Excluding NE Rainwater Basin Zone where the ending date is Feb 01

17. Excluding MT and WY north of I-80 where the ending date is Feb 18

18. Aggregate goose bag limit - all may be light geese

19. Closing date for AR is Jan 31

20. Season closed in Issaquena, Sharkey and Washington Co. MS

21. Closing date in LA is Feb 15

22. Opening date in WI is Oct 01

23. Closing date for LA is Feb 14

24. Closing date in KY, AR, TN, MS and AL is Jan 31

25. States and portions of states south of I-80 have an ending date of Mar 10

26. NJ, DE, MD, NC, PA, SC, and VA closing date of 3/10 allowed; SC chose 2/10 closing

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CENTRAL FLYWAY
U.S. DUCK HUNTING FRAMEWORKS

D.E. SHARP S:\WKFILES\DATA\BOOK\TITLES\DKFRAME.123

SUMMARY OF CENTRAL FLYWAY ¹ "FRAMEWORKS" FOR DUCK HUNTING, 1918-24.

	1918	1919	1920	1921	1922	1923	1924
Beginning Shooting Time	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Opening Date	Sep 16	Sep 16	Sep 16	Sep 16	Sep 16	Sep 16	Sep 16
Closing Date	Jan 31	Jan 31	Jan 31	Jan 31	Jan 31	Jan 31	Jan 31
Season Length	107	107	107	107	107	107	107
Daily Bag/Possession	25 25	25 25	25 25	25 25	25 25	25 25	25 25
Species/Sex Restrictions							
Wood Duck	Closed	Closed	Closed	Closed	Closed	Closed	Closed

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14-Jul-03

¹ The Central Flyway Council was not established until 1948 and these "frameworks" reflect the outside options (season selections) for member states in the Central Flyway.

SUMMARY OF CENTRAL FLYWAY ¹ "FRAMEWORKS" FOR DUCK HUNTING, 1925-34.

	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
Beginning Shooting Time	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise	1/2 hr. before Sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Opening Date	Sep 16	Sep 16	Sep 16	Sep 16	Sep 16	Sep 16	Oct 1	Oct 1	Sep 21	Oct 3
Closing Date	Jan 31	Jan 31	Jan 31	Jan 31	Jan 31	Jan 31	Dec 15	Jan 15	Dec 31	Dec 30
Season Length	107	107	107	107	107	92	76	61	61	30
Daily Bag/Possession	25/25	25/25	25/25	25/25	25/25	15/30	15/30	15/30	12/24	12/24
Species/Sex Restrictions										
Canvasback								10 ²	8 ²	5 ²
Redhead								10 ²	8 ²	5 ²
Lesser Scaup								10 ²	8 ²	5 ²
Greater Scaup								10 ²	8 ²	5 ²
Ring-necked Duck								10 ²	8 ²	5 ²
Blue-winged Teal								10 ²	8 ²	5 ²
Green-winged Teal								10 ²	8 ²	5 ²
Cinnamon Teal								10 ²	8 ²	5 ²
Shoveler								10 ²	8 ²	5 ²
Gadwall								10 ²	8 ²	5 ²
Ruddy Duck								Closed	Closed	Closed
Bufflehead								Closed	Closed	Closed
Wood Duck	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed

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14-Jul-03

¹ The Central Flyway Council was not established until 1948 and these "frameworks" reflect outside options (season selections) for member states in the Central Flyway.² Aggregate canvasback/redhead/lesser scaup/greater scaup/ring-necked duck/blue-winged teal/green-winged teal/cinnamon teal/shoveler/gadwall daily bag limit.

SUMMARY OF CENTRAL FLYWAY "FRAMEWORKS" FOR DUCK HUNTING, 1935-44.

	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944
Beginning Shooting Time	7 a.m.	7 a.m.	7 a.m.	7 a.m.	7 a.m.	Sunrise	Sunrise	Sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	4 p.m.	4 p.m.	4 p.m.	4 p.m.	4 p.m.	4 p.m.	4 p.m.	Sunset	Sunset	Sunset
Opening Date	Oct 21	Oct 10	Oct 9	Oct 1	Oct 1	Oct 1	Oct 1	Sep 26	Sep 25	Sep 20
Closing Date	Dec 19	Dec 25	Dec 26	Dec 29	Dec 29	Dec 31	Dec 31	Jan 10	Jan 10	Jan 20
Season Length	30	30	30	45	45	60	60	70	70	80
Daily Bag/Possession	10 10	10 10	10 10	10 20	10 20	10 20	10 20	10 20	10 20	10 20
Species/Sex Restrictions										
Mallard										5 ³
Pintail										5 ³
Wigeon										5 ³
Canvasback				3 ¹	3 ¹	3 ¹				
Redhead				3 ¹	3 ¹	3 ¹	3 ²	3 ²	3 ²	
Bufflehead				3 ¹	3 ¹	3 ¹	3 ²	3 ²	3 ²	
Ruddy Duck				3 ¹	3 ¹	3 ¹				
Wood Duck	Closed	Closed	Closed	Closed	Closed	1	1	1	1	1

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14-Jul-03

¹ Aggregate canvasback/redhead/bufflehead/ruddy duck daily bag limit.

² Aggregate redhead/bufflehead daily bag limit.

³ Aggregate mallard/pintail/wigeon daily bag limit.

Note: The Central Flyway Council was not established until 1948 and these "frameworks" reflect outside options (season selections) for member states in the Central Flyway.

SUMMARY OF CENTRAL FLYWAY "FRAMEWORKS" FOR DUCK HUNTING, 1945-54.

	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954
Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	Sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	1/2 hr. before sunset	1/2 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	1 hr. before sunset	Sunset	Sunset
Opening Date	Sep 20	Oct 5	Oct 7	Oct 8	Oct 7	Oct 6	Oct 5	Oct 1	Oct 1	Oct 1
Closing Date	Jan 20	Jan 6	Jan 5	Jan 5	Jan 7	Jan 5	Jan 5	Jan 10	Jan 10	Jan 10 ***
Season Length	80	45	28 ¹ or 35	28 ¹ or 35	36 ² or 45	36 ¹ or 45	40 ¹ or 50	48 ¹ or 60	54 ² or 60	54 ² or 60
Daily Bag/Possession	10 20	7 14	4 8	5 10	4 8	5 10	5 10	5 10	5 10	5 10
Species/Sex Restrictions										
H. Merganser										
Wood Duck	1 ³	1 [*]	1 [*]	1 [*]	1 ^{**}	1 ^{**} Closed (TX)	1 ^{**} Closed (TX)	1 ^{**} Closed (TX)	1 ^{**} Closed (TX)	1 ^{1****} Closed (TX)
Whistling Ducks										

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14-Jul-03

¹ A 20% penalty in days was assessed for states selecting a split season, i.e. 28/35, 36/45, 40/50, 48/60 days.

² A 10% penalty in days was assessed for states selecting a split season, i.e. 54/60 days.

³ Wood Duck seasons were closed in ND

^{*} Wood Duck seasons were closed in CO, KS, NE, ND, WY

^{**} Wood Duck seasons were closed in CO, KS, NE, ND, SD, WY

^{***} Seasons could be extended until Jan 20, with a 2-day penalty for each day extended past Jan 10.

^{****} Wood Duck seasons were closed in CO, KS, ND, SD, WY

Note: The Central Flyway Council was not established until 1948, therefore the "frameworks" from 1945-47 reflect outside options (season selections) for member states in the Central Flyway.

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR DUCK HUNTING, 1955-64.

	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Opening Date	Oct 1	Oct 1	Oct 1	Oct 1	Oct 7	Oct 7	Oct 13	Oct 12	Oct 5	Oct 3
Closing Date	Jan 15	Jan 15	Jan 15	Jan 15	Jan 8	Jan 8	Dec 30	Dec 30	Jan 5	Jan 3
Season Length	75 ¹	75 ¹	75 ¹	75 ¹ or 90	50 or 60 ¹	50 or 60 ¹	30 or 40 ¹	25	35 ¹ +18 SLV *	40 or 50 ¹ +18 SLV *
Daily Bag/Possession	5 10	5 10	5 10	4 or 5 8 or 10	3 or 4 6 or 8	3 or 4 6 or 8	2 or 3 4 or 6	2 4	4 8	3 or 4 6 or 8
Species/Sex Restrictions										
Mallard								1	2	1 or 2
H. Merganser	1	1	1	1	1	1	1	1	1	1
Canvasback				1 or 2 ²	1 ³	Closed	Closed	Closed	Closed	1 or 2 ²
Redhead				1 or 2 ²	1 ³	Closed	Closed	Closed	Closed	1 or 2 ²
Ruddy Duck					1 ³					
Scaup								+ 2 bonus		
Wood Duck	1	1	1	1	1	1	1	2	2	2
Whistling Ducks						Closed	Closed	Closed		

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14-Jul-03

¹ A 10% penalty in days was assessed for states selecting a split season, i.e. 68/75, 23/25, 32/35 days.

² Aggregate canvasback/redhead bag.

³ Aggregate canvasback/redhead/ruddy duck bag.

* San Luis Valley, CO - Special Season with additional days added to the regular duck season, i.e. Oct 1 - 18 (5/10).

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR DUCK HUNTING, 1965-74.

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Opening Date	Oct 9	Oct 8	Oct 7	Oct 5	Oct 4	Oct 1	Oct 1	Oct 1	Sep 29	Sep 28
Closing Date	Jan 9	Jan 8	Jan 7	Jan 12	Jan 11	Jan 17	Jan 16	Jan 24	Jan 20	Jan 19
Season Length	40 ¹	50 or 60 ¹	50 or 60 ¹	30 or 40 ¹ +16 HP *	40 or 55 ¹ +16 HP **	55 or 70 +15 or 20 HP *****	55 or 70 +15 or 20 HP*****	55 or 70 +15 or 20 HP*****	37, 51 or 60 +16 HP*****	51 +14 HP*****
Daily Bag/Possession	4 8	3 or 4 6 or 8	3 or 4 6 or 8	3 or 4 6 or 8	4 8	5 or 6 10 or 12	5 or 6 10 or 12	5 or 6 10 or 12	4, 5 or 6 8, 10 or 12	5 10
Point System Values						10, 20, 90	10, 20, 90, 100	10, 20, 90	10, 20, 70, 100	15, 35 70, 100
Species/Sex Restrictions										
Mallard (M)	1 M or F	2 M or F	2 M or F	2 M or F		(20)	(20)	(20)	(20)	3 (35)
Mallard (F)	1 M or F	2 M or F	2 M or F	2 M or F		(90)	(90)	2 (90)	2 (70)	1 (70)
Pintail (F)	1 M or F					(20)	(20)	(20)	(20)	(15)
Black Duck						(90)	(90)	(20)	(20)	(35)
Blue-winged Teal						+2 ***	+2 ***	+2 ***	+2 ***	+2 ***
H. Merganser	1	1	1	1	1	1 (90)	1 (90)	1 (90)	1 (70)	1 (70)
Canvasback	2	2	1	1 ³	1 ³	1 ³ (90)	1 ³ (100)	Closed	1 ³ (100)	1 ³ (100)
Redhead				1 ³	1 ³	1 ³ (90)	1 ³ (100)	Closed	1 ³ (100)	1 ³ (100)
Ring-necked Duck						(20)	(20)	(20)	(20)	(35)
Scaup						+2 or 5*****	+2 or 5*****	+2 or 5*****	+2 or 5*****	+2 or 5*****
Wood Duck	2	2	1	2	2	2 (90)	2 (90)	2 (90)	2 (70)	2 (70)
Mottled Duck						(20)	(20)	(20)	(20)	(35)

¹ A 10% penalty in days was assessed for states selecting split seasons, i.e. 27/30, 36/40, 45/50, 54/60 days.

² San Luis Valley, CO - Special season with additional days added to the regular duck season, i.e. Oct 1-18 (5/10, 6/10)(experimental point season in 1968-70).

³ Aggregate canvasback/redhead bag.

* HP = High Plains Management Unit (MT, WY, CO): Additional days must be taken between 12/14 - 1/12, drake mallards only (4/8) & regular season shortened by 7 days.

** HP = High Plains Management Unit (MT, WY, CO, NM, & portions of NE, SD): Add. days between 12/13 - 1/4, the pt. sys. was required with the reg. sea. shortened by 7 days.

*** Bonus blue-winged teal (2/4) for 9 days at beginning of season for states not selecting point system.

**** Special Scaup Season (5/10) for 16 days for conventional bag limit option and (2/4) for the point system option.

***** HP = HPMMU (CF States west of 100 deg. W. Long.): Additional days [9 (74)] must be taken on or after 12/10 [12/8 (72)] and the point system is utilized for additional days.

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR DUCK HUNTING, 1975-84

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Opening Date	Oct 4	Oct 2	Oct 1	Sep 30	Sep 29	Oct 4	Oct 3	Oct 2	Oct 1	Sep 29
Closing Date	Jan 18	Jan 23	Jan 22	Jan 21	Jan 20	Jan 18	Jan 17	Jan 23	Jan 22	Jan 20
Season Length	60 +23 HP ¹	60 +23 HP ¹	55 +23 HP ¹	60 +23 HP ¹	60 +23 HP ¹	60 +23 HP ¹	60 +23 HP ¹	60 +23 HP ¹	60 +23 HP ¹	60 +23 HP ¹
Daily Bag/Possession	6 12	5 10	5 10	5 10	5 10	5 10	5 10	5 10	5 10	5 10
Point System Values	10, 20, 25 70, 100	10, 20, 70, 100	10, 20, 70, 100	10, 20, 25 70, 100	10, 20, 70, 100	10, 20, 70, 100	10, 20, 70, 100	10, 20, 70, 100	10, 20, 70, 100	10, 20, 70, 100
Species/Sex Restrictions										
Mallard (M)	3 (25) ²	(20)	(20)	4 (25) ²	(20)	(20)	(20)	(20)	(20)	(20)
Mallard (F)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)
Blue-winged Teal	+2 ³	+2 ³	+2 ³	+2 ³	+2 ³	+2 ³	+2 ³	+2 ³	+2 ³	+2 ³
H. Merganser	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)
Canvasback	1 * (100)	1 * (100)	1 * (100)	1 * (100)	1 * (100)	1 (100)	1 (100)	1 (100)	1 (100)	1 (100)
Redhead	1 * (100)	1 * (70)	1 * (70)	1 * (70)	1 * (70)	1 (70)	1 (70)	1 (70)	1 (70)	1 (70)
Scaup	+2 or 5 **	+2 or 5 **	+2 or 5 **	+2 or 5 **	+2 or 5 **	+2 or 5 **	+2 or 5 **	+2 or 5 **	+2 or 5 **	+2 or 5 **
Wood Duck	2 (70)	2 (70)	2 (70)	2 (70)	2 (70)	2 (70)	2 (70)	2 (70)	2 (70)	2 (70)
Mottled Duck	Closed	Closed	(20)	(20)	(20)	(20)	(70-TX)	(70-TX)	(70-TX)	(70-TX)

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14-Jul-03

¹ H.P. = High Plains Management Unit: Additional days must be taken no earlier than the Saturday closest to December 10 (12/8 in 75).

² 20 pts in the High Plains Management Unit.

³ Bonus blue-winged teal (2/4) for 9 days at the beginning of season for states not selecting the point system option or a Special September Teal Season.

* Aggregate canvasback/redhead bag.

** Special Scaup Season (5/10) for 16 days for a special season option or (2/4) during the regular duck season.

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR DUCK HUNTING, 1985-94

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	Sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Opening Date	Oct 5	Oct 4	Oct 3	Oct 8	Oct 7	Oct 6	Oct 5	Oct 1	Oct 1	Oct 1
Closing Date	Jan 13	Jan 18	Jan 17	Jan 8	Jan 7	Jan 6	Jan 5	Jan 20	Jan 20	Jan 20
Season Length	50 +15 HP ¹	51 +16 HP ¹	51 +16 HP ¹	39 +12 HP ¹	39 +12 HP ¹	39 +12 HP ¹	39 +12 HP ¹	39 +12 HP ¹	39 +12 HP ¹	39 or 49 +12 HP ¹
Daily Bag/Possession	4 8	4 8	4 8	3 6	3 6	3 6	3 6	3 6	3 6	3 or 4 6 or 8
Point System Values	20, 35 70, 100	20, 35 70, 100	20, 35 70, 100		35, 50, 100	35, 50, 100	35, 50, 100	35, 50, 100	35, 50, 100	
Species/Sex Restrictions										
Mallard (M)	3 (35)	3 (35)	3 (35)	2	2 (50)	2 (50)	2 (50)	2 (50) **	2 (50) **	3 or 4
Mallard (F)	1 (100)	1 (100)	1 (100)	1	1 (100)	1 (100)	1 (100)	1 (100)	1 (100)	1
Black Duck	(20)	(100)	(100)		(35)	(35)	(35)	(35)	(35)	3 or 4
Pintail (M)	3 (35)	3 (35)	3 (35)	1 M or F	1 M/F (100)	1 M/F (100)	1 M/F (100)	1 M/F (100)	1 M/F (100)	1 M/F
Pintail (F)	1 (35)	3 (35)	3 (35)	1 M or F	1 M/F (100)	1 M/F (100)	1 M/F (100)	1 M/F (100)	1 M/F (100)	1 M/F
Blue-winged Teal	+2 ²	+2 ²	+2 ²							
H. Merganser	1 (70)	1 (70)	1 (70)	1	1 (100)	1 (100)	1 (100) *	1 (100) *	1 (100) *	1 *
Canvasback	1 (100)	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	1
Redhead	1 (70)	1 (70)	1 (70)	1	1 (100)	1 (100)	1 (100)	1 (100)	1 (100)	1
Scaup	+2 or 5 ³	+2 or 5 ³	+2 or 5 ³							
Wood Duck	2 (70)	2 (70)	2 (70)	2	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	2
Whistling Ducks	(20)	(70-TX)	(70-TX)		(35)	(35)	(35)	(35)	(35)	3 or 4
Mottled Duck	(100-TX)	(100)	(100)	1	1 (100)	1 (100)	1 (100)	1 (100)	1 (100)	1

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¹ HP = High Plains Management Unit: Additional days must be taken no earlier than the Saturday closest to December 10.² Bonus blue-winged teal (2/4) for 9 days at the beginning of season for states not selecting the point system option or a Special September Teal Season.³ Special Scaup Season (5/10) for 16 days for a special season option or (2/4) during the regular duck season.

* Under the conventional bag, beginning in 1990, the merganser bag could be separated from the duck bag.

** 3 (35 pts) in the High Plains Management Unit.

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR DUCK HUNTING, 1995-2001

	1995	1996	1997	1998	1999	2000	2001
Beginning Shooting Time	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise	1/2 hr. before sunrise
Ending Shooting Time	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset	Sunset
Opening Date	Sep 30	Sep 28	Oct 4	Oct 3	Oct 2	Sep 30	Sep 29
Closing Date	Jan 21	Jan 19	Jan 18	Jan 17	Jan 23	Jan 21	Jan 20
Season Length	60 +23 HP ¹	60 +23 HP ¹	74 +23 HP ¹	74 +23 HP ¹	74 +23 HP ¹	74 +23 HP ¹	74 +23 HP ¹
Daily Bag/Possession	5 10	5 10	6 12	6 12	6 12	6 12	6 12
Species/Sex Restrictions							
Mallard (M)	5	5	5	5	5	5	5
Mallard (F)	1	1	2	2	2	2	2
Pintail	1	1	3	1	1	1	1
H. Merganser ²	1	1	1	1	1	1	1
Canvasback	1	1	1	1	1	1	1/25 days
Redhead	2	2	2	2	2	2	2
Scaup	na	na	na	na	3	3	3
Wood Duck	2	2	2	2	2	2	2
Mottled Duck	1	1	1	1	1	1	1

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¹ HP = High Plains Management Unit: Additional days must be taken no earlier than the Saturday closest to December 10.

² The merganser bag can be separated from the duck bag.

**CENTRAL FLYWAY
SANDHILL CRANE
U.S. HUNTING FRAMEWORKS**

D.E. SHARP S:\WKFILES\DATA\BOOK\TITLES\DKFRAME.123

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR SANDHILL CRANE HUNTING, 1960-1979

YEAR	Participating States	Beg. Shooting Time	Ending Shooting Time	Daily Bag/Possession	FRAMEWORK OFFERED			SEASONS SELECTED		
					Opening Date	Closing Date	Season Length	Opening Date	Closing Date	Season Length
1960	Portions of TX and NM	1/2 hr. before sunrise	sunset	2/2	Jan 01	Jan 30	30	Jan 01	Jan 30	30
1961	Portions of TX and NM	sunrise	sunset	2/2	Nov 04	Dec 03	30	Nov 04	Dec 03	30
1962	Portions of TX and NM	sunrise	sunset	2/2	Nov 03	Dec 02	30	Nov 03	Dec 02	30
1963	Portions of TX and NM	sunrise	sunset	2/2	Nov 02	Dec 01	30	Nov 02	Dec 01	30
1964	Portions of TX and NM	sunrise	sunset	2/2	Oct 31	Nov 29	30	Oct 31	Nov 29	30
1965	Portions of TX and NM	sunrise	sunset	2/4	Oct 30	Nov 28	30	Oct 30	Nov 28	30
1966	Portions of TX and NM	1/2 hr. before sunrise	sunset	2/4	Oct 29	Nov 27	30	Oct 29	Nov 27	30
1967	Portions of TX and NM	1/2 hr. before sunrise	sunset	2/4	Nov 04	Jan 02	60	Nov 04	Jan 02	60
" "	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	2/5	Oct 01	Oct 30	30	Oct 01	Oct 30	30
1968	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	2/4	Oct 01	Oct 30	30	Oct 01	Oct 30	30
" "	Portions of ND	1/2 hr. before sunrise	sunset	2/4	Nov 09	Dec 08	30	Nov 09	Dec 08	30
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	2/4	Nov 02	Dec 28	57	Nov 02	Dec 28	57
" "	Portions of TX	1/2 hr. before sunrise	sunset	2/4	Dec 14	Jan 12	30	Dec 14	Jan 12	30
1969	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	3/6	Oct 04	Nov 02	30	Oct 04	Nov 02	30
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Nov 01	Dec 28	58	Nov 01	Dec 28	58
" "	Portions of ND and SD	1/2 hr. before sunrise	sunset	3/6	Nov 08	Dec 07	30	Nov 08	Dec 07	30
" "	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Dec 13	Jan 11	30	Dec 13	Jan 11	30
1970	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	3/6	Oct 03	Nov 01	30	Oct 04	Nov 01	29
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 31	Jan 10	72	Oct 31	Jan 10	72
" "	Portions of ND and SD	1/2 hr. before sunrise	sunset	3/6	Nov 14	Dec 13	30	Nov 14	Dec 13	30
" "	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Dec 05	Jan 10	37	Dec 05	Jan 10	37
1971	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	3/6	Oct 02	Nov 07	37	Oct 02	Nov 07	37
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 30	Jan 30	93	Oct 30	Jan 30	93
" "	Portions of ND and SD	1/2 hr. before sunrise	sunset	3/6	Nov 13	Dec 12	30	Nov 13	Dec 12	30
" "	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Dec 04	Jan 30	58	Dec 04	Jan 30	58
1972	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	3/6	Oct 01	Nov 05	36	Oct 01	Nov 05	36
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 28	Jan 31	93	Oct 28	Jan 28	93
" "	Portions of ND and SD	1/2 hr. before sunrise	sunset	3/6	Nov 11	Dec 10	30	Nov 11	Dec 10	30
" "	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Dec 02	Jan 31	58	Dec 02	Jan 28	58
" "	Phillips County, MT	1/2 hr. before sunrise	sunset	3/6	Open with goose season		37	Oct 01	Nov 06	37
" "	Portions of WY	1/2 hr. before sunrise	sunset	3/6	Oct 07	Nov 05	30	Oct 07	Nov 05	30
1973	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	3/6	Oct 01	Nov 05	36	Oct 01	Nov 05	36
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 27	Jan 31	93	Oct 27	Jan 27	93
" "	Portions of ND and SD	1/2 hr. before sunrise	sunset	3/6	Nov 10	Dec 09	30	Nov 10	Dec 09	30
" "	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Dec 01	Jan 31	58	Dec 01	Jan 27	58
" "	Phillips County, MT	1/2 hr. before sunrise	sunset	3/6	Open with goose season		37	Sep 29	Nov 04	37
" "	Portions of WY	1/2 hr. before sunrise	sunset	3/6	Open with goose season		30	Oct 13	Nov 11	30
1974	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	3/6	Oct 01	Nov 05	36	Oct 01	Nov 05	36
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 26	Jan 31	93	Oct 26	Jan 26	93
" "	Portions of ND and SD	1/2 hr. before sunrise	sunset	3/6	Nov 09	Dec 08	30	Nov 09	Dec 08	30
" "	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Nov 30		58	Nov 30	Jan 26	58
" "	Phillips County, MT	1/2 hr. before sunrise	sunset	3/6	Open with goose season		37	Sep 28	Nov 03	37
" "	Portions of WY	1/2 hr. before sunrise	sunset	3/6	Open with goose season		30	Oct 12	Nov 10	30
1975	CF portions of CO excluding San Luis Valley&NP	1/2 hr. before sunrise	sunset	3/6	Oct 04	Nov 08	36	Oct 04	Nov 08	36
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 25	Jan 31	93	Oct 25	Jan 25	93
" "	Portions of ND and SD	1/2 hr. before sunrise	sunset	3/6	Nov 08	Dec 07	30	Nov 08	Dec 07	30
" "	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Nov 29		58	Nov 29	Jan 25	58
" "	Phillips County, MT	1/2 hr. before sunrise	sunset	3/6	Open with goose season		37	Oct 04	Nov 09	37
" "	Portions of WY	1/2 hr. before sunrise	sunset	3/6	Oct 11		30	Oct 11	Nov 09	30
1976	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	3/6	Oct 02	Nov 08	36	Oct 02	Nov 06	36
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 23	Jan 31	93	Oct 30	Jan 30	93
" "	Portions of ND and SD	1/2 hr. before sunrise	sunset	3/6	Nov 06	Dec 05	30	Nov 06	Dec 05	30
" "	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Nov 27		58	OK Nov 27, TX Dec 4	OK Jan 23, TX Jan 30	58
" "	Phillips County, MT	1/2 hr. before sunrise	sunset	3/6	Open with goose season		37	Oct 02	Nov 06	36
" "	Portions of WY	1/2 hr. before sunrise	sunset	3/6	Oct 09		30	Oct 09	Nov 07	30
1977	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	3/6	Oct 01	Nov 06	37	Oct 01	Nov 06	37
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 22	Jan 31	93	NM Oct 29, TX Nov 1	NM Jan 29, TX Jan 31	93, 92
" "	Portions of ND and SD	1/2 hr. before sunrise	sunset	3/6	Sep 07	Sep 11	5	Sep 07	Sep 11	5
" "	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Nov 26		58	OK Nov 26, TX Dec 5	OK Jan 22, TX Jan 31	58
" "	Phillips County, MT	1/2 hr. before sunrise	sunset	3/6	Open with goose season		37	Oct 01	Nov 06	37
" "	Portions of WY	1/2 hr. before sunrise	sunset	3/6	Oct 08		30	Oct 08	Nov 06	30
1978	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	3/6	Sep 30	Nov 05	37	Sep 30	Nov 05	37
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 21	Jan 31	93	NM Oct 28, TX Oct 31	NM Jan 28, TX Jan 31	93
" "	Portions of ND and SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Sep 11	5	Sep 07	Sep 11	5
" "	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Nov 25		58	OK Nov 25, TX Dec 5	OK Jan 21, TX Jan 31	58
" "	CF Portions of MT	1/2 hr. before sunrise	sunset	3/6	Open with goose season		37	Sep 30	Nov 05	37
" "	Portions of WY	1/2 hr. before sunrise	sunset	3/6	Oct 07		30	Oct 07	Nov 05	30
1979	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	3/6	Sep 29	Nov 18	37	Oct 13	Nov 18	37
" "	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 20	Jan 31	93	NM Oct 27, TX Oct 30	NM Jan 27, TX Jan 30	93
" "	Portions of ND and SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Sep 11	5	Sep 07	Sep 11	5
" "	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Nov 24		58	OK Nov 24, TX Dec 4	OK Jan 20, TX Jan 30	58
" "	CF Portions of MT	1/2 hr. before sunrise	sunset	3/6	Open with goose season		37	Sep 29	Nov 04	37
" "	Portions of WY	1/2 hr. before sunrise	sunset	3/6	Sep 29	Nov 18	37	Oct 13	Nov 18	37

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SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR SANDHILL CRANE HUNTING, 1980-1987

YEAR	Participating States	Beg. Shooting Time	Ending Shooting Time	Daily Bag/Possession	FRAMEWORK OFFERED			SEASONS SELECTED		
					Opening Date	Closing Date	Season Length	Opening Date	Closing Date	Season Length
1980	CF portions of CO excluding San Luis Valley	1/2 hr. before sunrise	sunset	3/6	Oct 04	Nov 23	37	Oct 11	Nov 16	37
"	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 20	Jan 31	93	Oct 31	Jan 31	93
"	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Nov 22		58	OK Nov 22, TX Dec 5	OK Jan 18, TX Jan 31	58
"	CF Portions of MT	1/2 hr. before sunrise	sunset	3/6	Open with goose season		37	Oct 04	Nov 09	37
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 06	Sept 10, Sept 14	5, 9	Sep 06	Sept 10, Sept 14	5, 9
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Sep 28	9	Sep 01	Sep 28	????
"	Portions of WY	1/2 hr. before sunrise	sunset	3/6	Oct 04	Nov 23	37	Oct 11	Nov 09	30
1981	CF portions of CO (excluding San Luis Valley)	1/2 hr. before sunrise	sunset	3/6	Oct 03	Nov 22	37	Oct 10	Nov 15	37
"	Portions of TX and NM	1/2 hr. before sunrise	sunset	3/6	Oct 20	Jan 31	93	Oct 31	Jan 31	93
"	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Nov 22		58	OK Nov 22, TX Dec 5	OK Jan 18, TX Jan 31	58
"	CF Portions of MT	1/2 hr. before sunrise	sunset	3/6	Open with goose season		37	Oct 03	Nov 08	37
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Sep 20	9, 16	Sep 05	Sept 13, Sept 20	5, 9
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Sep 28	9	Sep 20	Sep 28	9
"	Portions of WY	1/2 hr. before sunrise	sunset	3/6	Oct 03	Nov 22	37	Oct 03	Nov 08	37
1982	CF portions of CO (excluding San Luis Valley&NP)	1/2 hr. before sunrise	sunset	3/6	Sep 01	Jan 31	58	Oct 02	Nov 28	58
"	KS	1/2 hr. before sunrise	sunset	3/6	Sep 01	Jan 31	58	??	??	
"	Portions of TX and OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Jan 31	93	OK Oct 23, TX Dec 4	OK Jan 23, TX Jan 30	93, 58
"	CF Portions of MT	1/2 hr. before sunrise	sunset	3/6	Sep 01	Jan 31	58	Oct 02	Nov 28	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Sep 20	9, 16	Sep 04	Sept 12, Sept 19	9, 16
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Jan 31	58	Oct 02	Nov 07	37
"	Portions of WY ¹	1/2 hr. before sunrise	sunset	3/6	Sep 01	Jan 31	58	Sep 25	Nov 21	58
"	Portions of NM ¹ & TX	1/2 hr. before sunrise	sunset	3/6	Sep 01	Jan 31	93	Oct 31	Jan 31	93
1983	CF portions of CO (excluding San Luis Valley&NP)	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 01	Nov 27	58
"	KS	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58			
"	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 12	Feb 12	93
"	Portions of OK	1/2 hr. before sunrise	sunset	3/7	Sep 01	Feb 28	93	Oct 22	Jan 22	93
"	CF Portions of MT ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 01	Nov 27	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 10	Nov 06	58
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 01	Nov 06	37
"	Portions of WY ¹	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 24	Nov 20	58
"	Portions of NM ¹	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 29	Jan 28	92
1984	CF portions of CO (excluding San Luis Valley&NP)	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 29	Nov 25	58
"	KS	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58			
"	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 10	Feb 10	93
"	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 13	Jan 13	93
"	CF Portions of MT ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 29	Nov 25	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Z1 & Z2 Sept 8	Z1 Nov 4, Z2 Sept 28	58, 21
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 29	Nov 04	37
"	Portions of WY ¹	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 22	Nov 18	58
"	Portions of NM ¹	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 27	Jan 27	93
1985	CF portions of CO (excluding San Luis Valley&NP)	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 28	Nov 24	58
"	KS	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58			
"	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 09	Feb 09	93
"	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 12	Jan 12	93
"	CF Portions of MT ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 28	Nov 24	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Z1 & Z2 Sept 7	Z1 Nov 3, Z2 Sept 27	58, 21
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 28	Nov 03	37
"	Portions of WY ¹	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 21	Nov 17	58
"	Portions of NM	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 26	Jan 26	93
1986	CF portions of CO (excluding San Luis Valley&NP)	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 04	Nov 30	58
"	KS	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58			
"	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 08	Feb 08	93
"	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 11	Jan 11	93
"	CF Portions of MT ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 04	Nov 30	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Z1 & Z2 Sept 6	Z1 Nov 2, Z2 Oct 3	58, 28
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 28	Nov 02	36
"	Portions of WY ¹	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 20	Nov 16	58
"	Portions of NM	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 25	Jan 25	93
1987	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 03	Nov 29	58
"	KS	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58			
"	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 14	Feb 07	86
"	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 10, Nov 28	Nov 20, Jan 17	42, 51
"	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 03	Nov 29	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Z1 & Z2 Sept 5	Z1 Nov 1, Z2 Oct 2	58, 28
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 26	Nov 01	37
"	Portions of WY ^{1,3}	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 19	Nov 15	58
"	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 24	Jan 24	93

¹ Additional experimental seasons offered

² Season covers dates selected >1 zone/area

³ RMP hunt: 9/1-11/30, 30 days, 3/9

SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR SANDHILL CRANE HUNTING, 1988-1995

YEAR	Participating States	Beg. Shooting Time	Ending Shooting Time	Daily Bag/Possession	FRAMEWORK OFFERED			SEASONS SELECTED		
					Opening Date	Closing Date	Season Length	Opening Date	Closing Date	Season Length
1988	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 01	Nov 27	58
**	KS	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58			
**	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 12	Feb 12	93
**	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 22	Jan 22	93
**	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 01	Nov 27	58
**	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 10	Nov 06	58
**	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 24	Oct 30	37
**	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 17	Nov 13	58
**	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 22	Jan 22	93
1989	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 30	Nov 27	59
**	KS	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58			
**	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 11	Feb 11	93
**	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 21	Jan 21	93
**	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 30	Nov 26	58
**	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 09	Nov 05	58
**	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 30	Nov 05	37
**	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 16	Nov 12	58
**	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 21	Jan 21	93
1990	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 29	Nov 25	58
**	KS	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58			
**	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 10	Feb 10	93
**	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 20	Jan 20	93
**	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 29	Nov 25	58
**	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 08	Nov 04	58
**	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 29	Nov 04	37
**	Portions of WY ³	1/2 hr. before sunrise	sunset	3/7	Sep 01	Feb 28	58	Sep 15	Nov 11	58
**	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 20	Jan 20	93
1991	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 28	Nov 24	58
**	KS	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58			
**	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 09	Feb 09	93
**	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 19	Jan 19	93
**	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 28	Nov 24	58
**	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 07	Nov 03	58
**	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 28	Nov 03	37
**	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 15	Nov 11	58
**	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 19	Jan 19	93
1992	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 03	Nov 29	58
**	KS	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58			
**	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 14	Feb 14	93
**	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 17	Jan 17	93
**	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 26	Nov 22	58
**	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 05	Nov 01	58
**	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 26	Nov 01	37
**	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 15	Nov 01	48
**	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 17	Jan 17	93
1993	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 02	Nov 28	58
**	KS	1/2 hr. before sunrise	sunset	2/4	Sep 01	Feb 28	58	Nov 06	Jan 02	58
**	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 13	Feb 13	93
**	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Deferred	Deferred	
**	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 25	Nov 21	58
**	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 11	Nov 07	58
**	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 25	Oct 31	37
**	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 15	Nov 11	58
**	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 16	Jan 16	93
1994	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 01	Nov 27	58
**	KS	sunrise	2pm	2/4	Sep 01	Feb 28	58	Nov 05	Jan 01	58
**	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 12	Feb 12	93
**	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 15	Jan 15	93
**	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 24	Nov 20	58
**	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 10	Nov 06	58
**	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 24	Oct 30	37
**	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 14	Nov 10	58
**	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 15	Jan 15	93
1995	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 30	Nov 26	58
**	KS	sunrise	2pm	2/4	Sep 01	Feb 28	58	Nov 05	Jan 01	58
**	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 11	Feb 11	93
**	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 22	Jan 23	94
**	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 23	Nov 19	58
**	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 09	Nov 05	58
**	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 23	Nov 19	58
**	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 14	Nov 10	58
**	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 31	Jan 31	93

¹ Additional experimental seasons offered
² Season covers dates selected >1 zone/area
³ RMP hunt: 9/1-11/30, 30 days, 3/9

1996 SUMMARY OF CENTRAL FLYWAY FRAMEWORKS FOR SANDHILL CRANE HUNTING, 1996-2001

1996

YEAR	Participating States	Beg. Shooting Time	Ending Shooting Time	Daily Bag/Possession	FRAMEWORK OFFERED			SEASONS SELECTED		
					Opening Date	Closing Date	Season Length	Opening Date	Closing Date	Season Length
1996	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 05	Dec 01	58
"	KS	sunrise	2pm	3/6	Sep 01	Feb 28	58	Nov 02	Dec 29	58
"	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 09	Feb 09	93
"	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 26	Jan 26	93
"	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 28	Nov 24	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 07	Nov 03	58
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 28	Nov 24	58
"	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 14	Nov 10	58
"	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 31	Jan 31	93
1997	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 04	Nov 30	58
"	KS	sunrise	2pm	2/4	Sep 01	Feb 28	58	Nov 01	Dec 28	58
"	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 08	Feb 08	93
"	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 25	Jan 25	93
"	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 04	Nov 30	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 06	Nov 02	58
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 27	Nov 23	58
"	Portions of WY ³	1/2 hr. before sunrise	sunset	3/7	Sep 01	Feb 28	58	Sep 13	Nov 09	58
"	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 31	Jan 31	93
1998	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 03	Nov 29	58
"	KS	sunrise	2pm	2/4	Sep 01	Feb 28	58	Nov 07	Jan 03	58
"	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 07	Feb 07	93
"	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 24	Jan 24	93
"	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 03	Nov 29	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 05	Nov 01	58
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 26	Nov 22	58
"	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 12	Nov 08	58
"	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 31	Jan 31	93
1999	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 02	Nov 28	58
"	KS	sunrise	2pm	2/4	Sep 01	Feb 28	58	Nov 06	Jan 02	58
"	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 13	Feb 13	93
"	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 30	Jan 30	93
"	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 02	Nov 28	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 11	Nov 07	58
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 25	Nov 21	58
"	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 11	Nov 07	58
"	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 30	Jan 30	93
2000	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 07	Dec 03	58
"	KS	sunrise	2pm	2/4	Sep 01	Feb 28	58	Nov 04	Dec 31	58
"	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 11	Feb 11	93
"	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 04	Feb 04	93
"	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 30	Nov 26	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 18	Nov 12	56
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 23	Nov 19	58
"	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 09	Nov 05	58
"	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 31	Jan 31	93
2001	CF portions of CO (excluding San Luis Valley&NP) ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Oct 07	Dec 03	58
"	KS	sunrise	2pm	2/4	Sep 01	Feb 28	58	Nov 03	Dec 30	58
"	Portions of TX ²	1/2 hr. before sunrise	sunset	3/6, 2/4	Sep 01	Feb 28	37, 93	Nov 10	Feb 10	93
"	Portions of OK	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Nov 03	Feb 03	93
"	CF Portions of MT ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 29	Nov 25	58
"	Portions of ND	1/2 hr. before sunrise	sunset	3/6, 2/4	Sep 01	Feb 28	37, 58	Sep 15	Nov 11, Oct 21	58, 37
"	Portions of SD	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 22	Nov 18	58
"	Portions of WY ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	58	Sep 15	Nov 11	58
"	Portions of NM ³	1/2 hr. before sunrise	sunset	3/6	Sep 01	Feb 28	93	Oct 31	Jan 31	93

¹ Additional experimental seasons offered
² Season covers dates selected >1 zone/area
³ RMP hunt: 9/1-1/31, 30 days, 3/9