

# CENTRAL FLYWAY

## MID-WINTER SURVEY

### RESULTS



# 2016



Compiled by:

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# United States Department of the Interior

## FISH AND WILDLIFE SERVICE

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**To:** Central Flyway Council and Central Flyway Waterfowl Technical Committee

**Re:** January 2016 Mid-Winter Waterfowl Survey

The Central Flyway's 2016 Mid-Winter Waterfowl Survey was completed during January 4-15, with most areas important to waterfowl covered by survey crews. Survey conditions generally were good throughout the Flyway, and habitat conditions varied. Most areas reported good food availability, although some states reported limited food due to snow cover. Several states reported frozen wetlands limited availability for waterfowl.

The overall waterfowl count for 2016 was 5% higher than in 2015. The overall duck count was 8% higher and the overall goose count was 3% lower than the previous year. Dabbling ducks increased by 21% and was led by a 152% increase in green-winged teal, whereas divers decreased by 26%. The mallard count increased by 19%. Light geese and white-fronted geese increased this year, but Canada geese decreased. Total waterfowl counts from the 2016 survey were 12% and 15% higher than the 2010-2015 average and the 2000-2009 average waterfowl counts, respectively.

Thanks to all the collaborators who conducted or otherwise supported the survey this year.

Jim Dubovsky

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**JANUARY 2016 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY <sup>1</sup>**

<b>SPECIES</b>	<b>ND</b>	<b>MT</b>	<b>SD</b>	<b>WY</b>	<b>CO</b>	<b>NE</b>	<b>KS</b>	<b>OK</b>	<b>NM</b>	<b>TX</b>	<b>TOTAL</b>
Mallard	15,444	9,229	83,966	40,209	72,775	213,806	319,012	173,541	15,259	1,000,457	1,943,698
Black Duck	0	0	0	0	0	0	1	0	0	0	1
Mottled Duck	0	0	0	0	0	0	0	0	0	15,980	15,980
Gadwall	51	0	10	74	339	90	3,650	10,798	1,272	733,457	749,741
Wigeon	0	0	0	51	699	67	8,909	2,072	7,776	358,049	377,623
G-W Teal	0	0	2	39	572	16	2,165	11,834	8,247	767,060	789,935
BW/CIN Teal	0	0	0	0	0	0	0	10	0	14,231	14,241
Shoveler	0	0	0	0	1,587	0	1,005	1,013	498	119,104	123,207
Pintail	50	0	1	4	215	33	863	13,606	7,467	571,005	593,244
Wood Duck	0	0	4	0	0	4	52	585	0	57,309	57,954
Whistling Duck	0	0	0	0	113	0	0	0	0	14,065	14,178
<b>Total Dabblers</b>	<b>15,545</b>	<b>9,229</b>	<b>83,983</b>	<b>40,377</b>	<b>76,300</b>	<b>214,016</b>	<b>335,657</b>	<b>213,459</b>	<b>40,519</b>	<b>3,650,717</b>	<b>4,679,802</b>
Redhead	0	46	0	4	301	13	647	624	655	331,103	333,393
Canvasback	0	0	0	4	136	12	436	230	52	28,486	29,356
Scaup	0	0	2	13	72	1	949	145	0	88,566	89,748
Ringneck	0	0	0	69	710	0	2,748	3,158	15	255,920	262,620
Goldeneye	146	3,812	13	3,630	1,402	179	20,371	31	173	7,945	37,702
Bufflehead	75	11	0	10	683	0	1,011	1,658	0	8,377	11,825
Ruddy Duck	0	0	0	0	24	0	331	470	148	2,008	2,981
<b>Total Divers</b>	<b>221</b>	<b>3,869</b>	<b>15</b>	<b>3,730</b>	<b>3,328</b>	<b>205</b>	<b>26,493</b>	<b>6,316</b>	<b>1,043</b>	<b>722,405</b>	<b>767,625</b>
Scoters	0	0	0	0	0	0	0	0	0	0	0
Long-tailed Ducks	0	0	0	0	0	0	0	0	0	0	0
Mergansers	219	142	1,525	196	2,138	6,033	23,370	875	10,300	10,670	55,468
Unident. Ducks	0	0	0	0	2,894	0	5,282	423	0	340,239	348,838
<b>Total Ducks</b>	<b>15,985</b>	<b>13,240</b>	<b>85,523</b>	<b>44,303</b>	<b>84,660</b>	<b>220,254</b>	<b>390,802</b>	<b>221,073</b>	<b>51,862</b>	<b>4,724,031</b>	<b>5,851,733</b>
Brant	0	0	0	0	0	0	0	0	0	0	0
Snow/Blue Goose	46	0	1	0	119,032	1,207	836,296	67,439	7,880	369,112	1,401,013
Ross's Goose	0	0	2	0	0	1	10,462	7,478	0	0	17,943
Whitefront	0	0	0	0	0	0	13,678	6,689	0	87,461	107,828
Canada Goose	222,846	125,784	105,066	25,367	178,225	175,322	141,779	131,803	15,325	428,702	1,550,219
<b>Total Geese</b>	<b>222,892</b>	<b>125,784</b>	<b>105,069</b>	<b>25,367</b>	<b>297,257</b>	<b>176,530</b>	<b>1,002,215</b>	<b>213,409</b>	<b>23,205</b>	<b>885,275</b>	<b>3,077,003</b>
Tundra Swan	0	0	0	0	0	0	0	0	0	0	0
Trumpeter Swan	0	0	4	91	0	595	13	0	0	0	703
Mute Swan	0	0	0	0	0	0	0	0	0	0	0
Unident. Swans	0	0	0	0	4	0	22	0	0	0	26
<b>Total Swans</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>91</b>	<b>4</b>	<b>595</b>	<b>35</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>729</b>
Coot	2	375	0	467	1,777	2	1,498	4,970	6,238	333,438	348,767
<b>Grand Total</b>	<b>238,879</b>	<b>139,399</b>	<b>190,596</b>	<b>70,228</b>	<b>383,698</b>	<b>397,381</b>	<b>1,394,550</b>	<b>439,452</b>	<b>81,305</b>	<b>5,942,744</b>	<b>9,278,232</b>

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<sup>1</sup>In TX, SGPand TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese,

Jan count in High and Rolling Plains also included in Light/WFG count but transect numbers in the other survey zones not included (used actual counts).

**RESULTS OF 2016 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY<sup>1</sup>**

January 2016 Mid-winter Waterfowl Survey

State	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	West Tier CFAN <sup>3</sup>	East Tier CFAN <sup>3</sup>	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
Montana	121,764	4,020	0	0	0	0	0	125,784	0	0	0	125,784
No. Dakota	0	0	100	0	222,746	0	0	222,846	0	46	0	222,892
So. Dakota	0	0	6,342	0	98,724	0	0	105,066	0	3	0	105,069
Wyoming	14,253	1,942	0	0	0	9,172	0	25,367	0	0	0	25,367
Nebraska	1,333	0	0	0	173,989	0	0	175,322	200	1,007	0	176,529
Colorado	137,058	41,167	0	0	0	0	0	178,225	119,032	0	0	297,257
Kansas	0	0	8,424	1,523	36,178	0	95,654	141,779	0	846,758	13,678	1,002,215
N. Mexico	5,786	9,233	0	0	0	0	306	15,325	7,880	0	0	23,205
Oklahoma	0	3,210	122,070	0	6,523	0	0	131,803	0	74,917	6,689	213,409
Texas	0	393,341	35,361	0	0	0	0	428,702	109,445	259,667	87,461	885,275

<sup>1</sup>In TX, CFAN based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

**Central Flyway Goose Population Survey Results<sup>2</sup>**

Year	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	West Tier CFAN	East Tier CFAN	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
2016	280,194	452,913	172,297	1,523	538,160	9,172	95,960	1,550,219	236,557	1,182,398	107,828	3,077,002
2015	238,844	547,700	280,438	15,200	455,846	13,384	262,389	1,813,801	243,253	1,048,902	69,266	3,175,222
2014	281,324	379,214	188,068	900	568,818	37,894	146,907	1,603,125	264,836	959,798	27,006	2,854,765
2013	341,302	256,268	263,271	2,375	768,818	23,617	37,831	1,693,482	225,936	1,125,582	48,187	3,093,187
2012	339,436	292,795	450,786	34,343	555,355	9,111	27,129	1,708,955	205,331	616,427	78,812	2,609,525
2011	273,025	310,657	427,063	675	499,029	16,418	13,479	1,540,346	196,013	1,058,853	128,171	2,923,383
2010	239,617	290,724	417,044	9,500	462,794	10,294	15,790	1,445,763	238,084	618,794	161,119	2,463,760
2009	222,071	221,590	309,909	20,900	627,977	15,798	70,260	1,488,505	284,446	775,650	103,172	2,651,773
2008	269,289	212,421	402,718	50	669,524	9,188	21,789	1,584,979	188,515	627,426	82,936	2,483,856
2007	180,215	190,531	680,301	43,700	445,959	19,512	37,413	1,597,631	170,642	1,076,557	243,081	3,087,911
2006	247,265	234,737	499,801	2,160	444,410	6,883	13,435	1,448,691	140,587	808,508	304,093	2,701,879
2005	207,401	177,195	400,766	50,000	415,131	15,849	5,175	1,271,517	142,974	877,917	147,783	2,440,191
2004	215,586	203,586	458,680	26,000	622,100	13,228	69,595	1,608,775	135,373	726,999	79,389	2,550,536
2003	205,939	156,661	611,842	40,500	561,049	5,119	24,907	1,606,017	105,900	826,981	213,343	2,752,241
2002	217,145	160,873	504,708	8,100	710,260	7,396	16,873	1,625,355	99,875	675,453	260,849	2,661,532
2001	257,929	164,084	149,090	900	677,729	13,327	18,329	1,281,388	105,754	751,928	141,189	2,280,259
2000	270,730	199,493	295,540	13,050	599,292	9,801	11,860	1,399,766	137,535	1,057,042	145,219	2,739,562
1999	119,460	403,197	548,206	45,000	467,137	5,298	52,554	1,640,852	236,365	1,114,384	200,391	3,191,992
1997-98	190,985	339,552	331,863	1,200	482,290		44,947	1,390,837	103,522	1,058,685	356,531	2,909,575
1996-97	148,527	406,838	262,864	0	453,358		39,505	1,311,092	127,172	1,208,606	215,254	2,862,124
1995-96	167,524	414,829	263,996	20,800	403,318		66,445	1,336,912	93,054	835,565	154,519	2,420,050
1994-95	173,752	481,951	244,988	27,500	352,495		35,520	1,316,206	80,127	1,203,360	194,845	2,794,538
1993-94	164,334	312,855	224,200	1,800	272,487		41,916	1,017,592	84,874	1,015,169	188,878	2,306,513
1992-93	117,294	270,495	235,328	26,600	318,029		60,622	1,028,368	45,145	895,951	158,625	2,128,089
1991-92	136,950	558,756	276,329	0	305,861		47,624	1,325,520	87,885	908,373	85,881	2,407,659
1990-91	116,643	512,162	305,117	13,500	328,710		372,398	1,648,530	104,624	799,880	155,211	2,708,245
1989-90	101,840	375,283	136,091	11,000	216,034		329,779	1,170,027	38,686	661,302	90,830	1,960,845
1988-89	99,934	284,168	215,799	0	245,891		375,874	1,221,666	67,637	598,132	103,073	1,990,508
1987-88	65,512	147,322	306,735	0	272,050		224,470	1,016,089	46,217	735,922	90,626	1,888,854
1986-87	117,409	193,318	159,007	0	174,355		382,332	1,026,421	63,545	900,437	194,530	2,184,933
1985-86	68,792	180,824	189,360	0	36,534		307,919	783,429	96,591	837,611	92,727	1,810,358
1984-85	76,111	179,120	197,240	0	160,640		173,394	786,505	62,905	980,220	155,705	1,985,335
1983-84	39,779	143,382	260,650	0	91,450		51,775	587,036	43,038	905,538	140,697	1,676,309

<sup>1</sup> Mid-December Goose Surveys were discontinued after December, 1997.

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<sup>2</sup> Yearly totals from 1983-84 to 1997-98 reflect Mid-December counts (when available) for TGP, EPP, and WP/GP Canada geese, W-CF and M-C light geese, and W-F geese; totals for Hi-line and SGP populations reflect Mid-winter Survey data. Counts from these time periods were designated as official counts by respective Management Plans.

<sup>3</sup> Starting in 2014, SGP and TGP populations have been combined into one population: Central Flyway Arctic Nesting (CFAN) Canada Geese. For the MWS they will be split out by West Tier and East Tier segments.

**EASTERN POPULATION OF TUNDRA SWANS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY**

YR	ATLANTIC FLYWAY														MISSISSIPPI FLYWAY		TOTAL	3-YR AVG
	MA	VT	NH	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	ONTARIO		
1980	0	0	0	0	37	217	0	527	1,566	29,994	8,350	19,100	66	0	0	0	200	60,057
1981	0	0	0	0	3	1,260	0	725	959	29,996	13,122	46,600	100	0	0	0	200	92,965
1982	0	0	0	0	0	242	0	900	0	19,600	9,800	42,200	165	0	0	0	275	73,182
1983	0	0	0	0	0	800	0	1,800	3,000	23,000	5,600	52,200	64	0	0	500	550	87,514
1984	209	0	0	0	0	100	0	600	0	29,002	7,000	44,100	199	0	25	100	25	81,360
1985	0	0	0	0	0	340	0	1,230	100	23,500	6,965	61,500	269	5	0	2,500	525	96,934
1986	0	0	0	0	0	756	0	800	400	30,020	6,378	52,300	86	1	25	25	150	90,941
1987	0	0	0	0	0	5,105	1	4,000	1,400	25,700	4,685	53,543	70	0	0	1,000	250	95,754
1988	0	0	0	0	13	5	0	2,800	0	22,100	5,291	46,805	96	0	0	1,200	375	78,685
1989	0	0	0	0	0	502	0	2,300	175	28,542	5,927	53,656	45	3	0	25	125	91,300
1990	0	0	0	0	0	340	0	3,600	90	20,078	6,092	60,238	155	0	0	9	17	90,619
1991	0	0	0	0	0	1,856	0	2,800	121	23,104	4,491	64,999	53	0	0	754	20	98,198
1992	0	0	0	0	35	3,058	0	724	144	22,976	7,207	75,607	37	0	0	2,929	327	113,044
1993	0	0	0	0	83	4,868	0	305	72	18,248	7,046	45,930	41	0	0	739	858	78,190
1994	0	0	0	0	8	686	1	1,044	126	18,780	9,132	54,664	86	0	0	184	61	84,772
1995	0	0	0	0	206	2,012	1	770	64	15,578	7,605	53,870	116	0	0	2,473	2,447	85,142
1996	0	0	0	0	0	115	4	512	197	16,344	10,945	50,716	188	0	0	113	393	79,527
1997	0	0	0	0	0	3,515	0	667	594	12,238	11,211	57,730	165	0	0	6,027	233	92,380
1998	0	0	0	0	139	1,949	0	495	1,171	21,563	7,186	63,761	280	0	0	2,679	1,335	100,558
1999	0	0	0	0	0	553	0	935	76	15,557	8,814	83,106	0	0	0	296	1,618	110,955
2000	0	0	0	0	0	1,106	0	130	1,497	15,609	7,596	77,044	100	0	0	8,897	3,364	115,343
2001	0	0	0	0	99	363	24	197	72	20,798	9,428	66,966	220	0	0	231	46	98,444
2002	0	4	4	4	116	1,098	3	473	920	16,610	5,994	78,394	222	0	0	7,169	3,661	114,672
2003	0	0	0	0	205	548	0	105	802	15,112	7,725	83,351	339	0	0	1,379	2,160	111,726
2004	0	0	0	0	8	1,261	0	495	667	17,891	7,173	67,188	292	0	0	13,737	2,094	110,806
2005	0	0	0	0	132	786	0	205	387	13,248	6,488	47,364	125	0	0	2,668	1,054	72,457
2006	0	0	0	0	399	2,464	2	165	147	8,239	4,576	54,064	398	0	0	9,746	1,069	81,269
2007	0	0	0	0	0	363	0	290	520	8,656	4,979	72,653	379	0	0	16,057	10,521	114,418
2008	0	0	0	0	0	1,178	4	332	651	10,580	6,738	69,023	NS	0	0	5,917	1,826	96,249
2009	0	0	0	0	0	783	0	165	223	14,183	6,584	76,788	578	0	NS	324	552	100,180
2010	0	0	0	2	0	89	2	425	215	14,004	6,584	70,273	319	0	NS	4,081	1,302	97,296
2011	0	0	0	0	0	316	0	155	258	14,355	8,767	69,501	404	0	NS	1,445	2,427	97,628
2012	0	0	0	0	0	691	0	425	178	16,599	8,884	59,716	300	0	NS	13,512	11,436	111,741
2013	0	0	0	0	0	1,711	3	183	1,392	17,330	8,987	68,578	312	1	NS	7,527	1,035	107,059
2014	0	NS	0	0	0	975	9	480	264	16,145	9,399	76,276	305	0	NS	287	848	104,988
2015	0	NS	0	0	461	506	0	540	273	17,837	9,194	78,663	462	0	NS	6,196	2,964	117,096
2016	0	NS	NS	0	0	810	NS	82	341	11,220	10,368	63,466	332	0	NS	13,992	12,982	113,593

**MID-CONTINENT GREATER WHITE-FRONTED GOOSE POPULATION STATUS, OBJECTIVES, AND REGULATORY THRESHOLDS**

YEAR	FALL SURVEY <sup>1</sup>	WINTER SURVEY <sup>2</sup>			
		MISSISSIPPI FLYWAY	CENTRAL FLYWAY	MEXICO	TOTAL
1969/70		50,600	22,070	18,800	91,470
1970/71		39,300	21,144		60,444
1971/72		45,800	32,142		77,942
1972/73		43,000	29,665		72,665
1973/74		43,200	49,463		92,663
1974/75		40,400	39,510	46,100	126,010
1975/76		53,400	54,800		108,200
1976/77		50,400	29,590	23,300	103,290
1977/78		53,100	140,605	43,900	237,605
1978/79		49,300	69,005	59,700	178,005
1979/80		59,000	107,127	56,500	222,627
1980/81		67,500	110,950	34,400	212,850
1981/82		65,600	155,850	49,200	270,650
1982/83		62,000	110,835		172,835
1983/84		70,300	140,697		210,997
1984/85		81,300	155,705	38,470	275,475
1985/86		78,600	92,700		171,300
1986/87		71,500	194,530		266,030
1987/88		76,700	90,626	28,325	195,651
1988/89		116,500	103,073		219,573
1989/90		103,300	90,830		194,130
1990/91		135,700	155,211	33,870	324,781
1991/92		172,900	85,881		258,781
1992/93	622,948	99,240	158,625		257,865
1993/94	676,344	154,340	188,878	23,375	366,593
1994/95	727,295	134,421	194,845		329,266
1995/96	1,129,378	145,075	154,519		299,594
1996/97	742,506	106,570	215,254	14,837	336,661
1997/98	622,206	195,593	356,531		552,124
1998/99	1,058,256	118,945	200,391		319,336
1999/00	963,090	92,274	145,219	37,334	274,827
2000/01	1,067,605	104,487	141,189		245,676
2001/02 <sup>3</sup>	712,309	119,987	260,849		380,836
2002/03	680,200	113,844	213,343	8,321	335,508
2003/04	528,200	161,159	79,389		240,548
2004/05	644,300	137,006	147,783		284,789
2005/06	522,812	158,475	304,093	13,604	476,172
2006/07	751,295	236,651	243,081		479,732
2007/08	764,259	244,766	82,936		327,702
2008/09	751,723	211,754	103,172	NS	314,926
2009/10	583,216	276,465	161,119		437,584
2010/11	709,836	246,362	128,171		374,533
2011/12	681,697	392,711	78,812	NS	471,523
2012/13	777,872	209,183	48,187		257,370
2013/14 <sup>4</sup>	NS	311,794	27,006		338,800
2014/15	1,005,591	385,982	69,266	NS	455,248
2015/16	977,090	481,796	107,828		589,624
<b>3-YEAR AVERAGES:</b>					
1984/85 - 86/87		77,133	147,645	38,470	263,248
1985/86 - 87/88		75,600	125,952	28,325	229,877
1986/87 - 88/89		88,233	129,410	28,325	245,968
1987/88 - 89/90		98,833	94,843	28,325	222,001
1988/89 - 90/91		118,500	116,371	33,870	268,741
1989/90 - 91/92		137,300	110,641	33,870	281,811
1990/91 - 92/93		135,947	133,239	33,870	303,056
1991/92 - 93/94		142,160	144,461	23,375	309,996
1992/93 - 94/95	675,529	129,334	180,783	23,375	333,491
1993/94 - 95/96	844,339	144,612	179,414	23,375	347,401
1994/95 - 96/97	866,393	128,689	188,206	14,837	331,732
1995/96 - 97/98	831,363	149,079	242,101	14,837	406,018
1996/97 - 98/99	807,656	140,369	257,392	14,837	412,598
1997/98 - 99/2000	881,184	135,604	234,047	37,334	382,096
1998/99 - 2000/01	1,029,650	105,235	162,266	37,334	279,946
1999/00 - 2001/02	914,335	105,583	182,419	37,334	300,446
2000/01 - 2002/03	820,038	112,773	205,127	8,321	320,673
2001/02 - 2003/04	640,236	131,663	184,527	8,321	318,964
2002/03 - 2004/05	617,567	137,336	146,838	8,321	286,948
2003/04 - 2005/06	565,104	152,213	177,088	13,604	333,836
2004/05 - 2006/07	639,469	177,377	231,652	13,604	413,564
2005/06 - 2007/08	679,455	213,297	210,037	13,604	427,869
2006/07 - 2008/09	755,759	231,057	143,063	13,604	374,120
2007/08 - 2009/10	699,733	244,328	115,742	13,604	360,071
2008/09 - 2010/11	681,592	244,860	130,821	13,604	375,681
2009/10 - 2011/12	658,250	305,179	122,701	13,604	427,880
2010/11 - 2012/13	723,135	282,752	85,057	13,604	367,809
2011/12 - 2013/14 <sup>4</sup>	723,135	304,563	51,335	13,604	355,898
2012/13 - 2014/15 <sup>5</sup>	891,732	302,320	48,153	13,604	350,473
2013/14 - 2015/16 <sup>5</sup>	991,341	393,191	68,033	13,604	461,224
<b>POPULATION OBJECTIVES:</b>					
POPULATION THAT PROVIDES OPTIMUM HARVEST OPPORTUNITIES					
<b>REGULATORY THRESHOLDS:</b>					
WEST TIER <sup>6</sup>	NO THRESHOLD				
REST OF CF					
CLOSED	3-YR AVE <250,000				
RESTRICTIVE	3-YR AVE <600,000 AND HARVEST RATE >6%				
STANDARD	3-YR AVE >600,000 OR HARVEST RATE <6%				

03/29/16

<sup>1</sup> Since 1997, Mid-continent white-fronted geese have been considered one population, officially surveyed during Fall (September) in Saskatchewan and Alberta.

<sup>2</sup> Surveys in Mexico have been conducted at 3-year intervals since 1981-82. For estimation of 3-year averages after 1980/81-1982/83 we used the most recent Mexico count. Mexico data entries include white-fronts counted in the Interior Highlands (traditional areas) and East Coast Surveys.

In 2003, no survey conducted on East Coast. Mexico surveys have not been conducted since 2005. Column entries reflect official December surveys (when available) from 1969/70 to 1997/98.

Subsequent entries reflect January surveys.

<sup>3</sup> In TX, traditional Mid Dec. cruise count not completed, WFG geese based on transect in Jan.

<sup>4</sup> Survey was not completed in Fall 2013 due to the US Federal Gov't Shutdown. Used previous 3 yr average.

<sup>5</sup> Three-year average only contains 2 years since the 2013 survey was not completed.

<sup>6</sup> Except the West Tier of Texas.

**CENTRAL FLYWAY CANADA GOOSE POPULATION STATUS, OBJECTIVES, AND REGULATORY THRESHOLDS**

YR	CF ARCTIC NESTING GEESE		HI-LINE <sup>2</sup>	WESTERN PRAIRIE/ GR. PLAINS <sup>1</sup>	EASTERN PRAIRIE		
	EAST TIER CFAN <sup>3</sup>	WEST TIER CFAN <sup>3</sup>			C. FLYWAY <sup>1</sup>	M. FLYWAY <sup>1</sup>	TOTAL
1969/70			44,200			106,600	106,600
1970/71			40,500			126,300	126,300
1971/72			31,400			157,400	157,400
1972/73			35,600			181,400	181,400
1973/74			24,500			205,800	205,800
1974/75			41,200			197,100	197,100
1975/76			55,600			204,400	204,400
1976/77			80,900			254,200	254,200
1977/78			80,000			270,200	270,200
1978/79			43,500			207,200	207,200
1979/80			86,900			171,800	171,800
1980/81			107,800			150,900	150,900
1981/82			78,000	160,200		145,300	145,300
1982/83			79,000	202,100		210,400	210,400
1983/84			39,800	91,400		162,700	162,700
1984/85			76,400	160,600		167,600	167,600
1985/86			68,800	36,500		169,000	169,000
1986/87			117,400	174,400		182,700	182,700
1987/88			65,500	272,100		228,400	228,400
1988/89			99,900	245,900		184,500	184,500
1989/90			101,800	216,000		324,900	324,900
1990/91			116,600	328,700		218,400	218,400
1991/92			136,800	305,900	(51,000)	189,352	189,400
1992/93			117,294	318,029	26,600	146,369	172,969
1993/94			164,334	272,487	1,800	116,218	118,018
1994/95			173,752	352,495	27,500	233,773	261,273
1995/96			167,524	403,318	20,800	255,700	276,500
1996/97			148,527	453,358	0	67,255	67,255
1997/98			190,985	482,290	1,200	119,564	120,764
1998/99			119,460	467,137	45,000	NA	45,000
2000			270,730	599,292	13,050	NA	13,050
2001			257,929	677,729	900	NA	900
2002			217,145	710,260	8,100	NA	8,100
2003			205,939	561,049	40,500	NA	40,500
2004			215,586	622,100	26,000	NA	26,000
2005			207,401	415,131	50,000	NA	50,000
2006			247,265	444,410	2,160	NA	2,160
2007			180,215	445,959	43,700	NA	43,700
2008			269,289	669,524	50	NA	50
2009			222,071	627,977	20,900	NA	20,900
2010			239,617	462,794	9,500	NA	9,500
2011			273,025	499,029	675	NA	675
2012			339,436	555,355	34,343	NA	34,343
2013			341,302	768,818	2,375	NA	2,375
2014	188,068	379,214	281,324	568,818	900	NA	900
2015	280,438	547,700	238,844	455,846	15,200	NA	15,200
2016	172,297	452,913	280,194	538,160	1,523	NA	1,523
<b>3-YEAR AVERAGES:</b>							
1978/79 - 80/81			79,400			176,633	176,633
1979/80 - 81/82			90,900	160,200		156,000	156,000
1980/81 - 82/83			88,267	181,150		168,867	168,867
1981/82 - 83/84			65,600	151,233		172,800	172,800
1982/83 - 84/85			65,067	151,367		180,233	180,233
1983/84 - 85/86			61,667	96,167		166,433	166,433
1984/85 - 86/87			87,533	123,833		173,100	173,100
1985/86 - 87/88			83,900	161,000		193,367	193,367
1986/87 - 88/89			94,267	230,800		198,533	198,533
1987/88 - 89/90			89,067	244,667		245,933	245,933
1988/89 - 90/91			106,100	263,533		242,600	242,600
1989/90 - 91/92			118,400	283,533		244,217	244,233
1990/91 - 92/93			123,565	317,543	26,600	184,707	193,590
1991/92 - 93/94			139,476	298,805	14,200	150,646	160,129
1992/93 - 94/95			151,793	314,337	18,633	165,453	184,087
1993/94 - 95/96			168,537	342,767	16,700	201,897	218,597
1994/95 - 96/97			163,268	403,057	16,100	185,576	201,676
1995/96 - 97/98			169,012	446,322	7,333	147,506	154,840
1996/97 - 98/99			152,991	467,595	15,400	NA	77,673
1997/98 - 2000			193,725	516,240	19,750	NA	59,605
1998/99 - 2001			216,040	581,386	19,650	NA	19,650
2000 - 2002			248,601	662,427	7,350	NA	7,350
2001 - 2003			227,004	649,679	16,500	NA	16,500
2002 - 2004			212,890	631,136	24,867	NA	24,867
2003 - 2005			209,642	532,760	38,833	NA	38,833
2004 - 2006			223,417	493,880	26,053	NA	26,053
2005 - 2007			211,627	435,167	31,953	NA	31,953
2006 - 2008			232,256	519,964	15,303	NA	15,303
2007 - 2009			223,858	581,153	21,550	NA	21,550
2008 - 2010			243,659	586,765	10,150	NA	10,150
2009 - 2011			244,904	529,933	10,358	NA	10,358
2010 - 2012			284,026	505,726	14,839	NA	14,839
2011 - 2013			317,921	607,734	12,464	NA	12,464
2012 - 2014			320,687	630,997	12,539	NA	12,539
2013 - 2015			287,157	597,827	6,158	NA	6,158
2014 - 2016	213,601	459,942	266,787	520,941	5,874	NA	5,874
<b>POPULATION OBJECTIVES:</b>							
	WINTER 200,000	WINTER 150,000	80,000	SPRING 17,000 pr(WP) 25,000 pr(GP)		SPRING 300,000	
<b>REGULATORY THRESHOLDS:</b>							
				150,000		SPRING 260,000	
				285,000		340,000	

No data before 2014, see historic SGP and TGP results in CF MWS report 2013.

No data before 2014, see historic SGP and TGP results in CF MWS report 2013.

<sup>1</sup> Column entries reflect official December surveys (when available) from 1969/70 to 1997/98. December surveys and the separation of MF wintering Canada geese into populations were discontinued after December 1997. Subsequent entries reflect January surveys.

<sup>2</sup> Column entries reflect January counts (when available) which are the official counts for these populations or population segments.

<sup>3</sup> Starting in 2014, SGP and TGP populations have been combined into one population: Central Flyway Arctic Nesting (CFAN) Canada Geese with a minimum population objective of 1 million birds based on a Lincoln index. For the MWS they will be split out by West Tier and East Tier goose hunting zones. SGP and TGP historic counts can be found in the CF MWS 2013 report.









**CENTRAL FLYWAY MID-WINTER WATERFOWL SURVEY RESULTS IN 2016 RELATED TO PREVIOUS SURVEYS**

SPECIES	2016	2015	% Change, 2016 from 2015	2010-2015 Avg	% Change, 2016 from 2010-15 Avg	1948-2015 Avg	% Change, 2016 from 48-2015 Avg	% Change, 2016 from 2000-2009 Avg	% Change, 2016 from 90-99 Avg	% Change, 2016 from 80-89 Avg	% Change, 2016 from 70-79 Avg	% Change, 2016 from 60-69 Avg	% Change, 2016 from 48-59 Avg
Mallard	1,943,698	1,639,358	19%	1,753,432	11%	1,735,739	12%	14%	56%	52%	-11%	3%	-5%
Black Duck	1	0		0		13	-92%	-74%	-23%	-62%	-97%	-97%	-92%
Mottled Duck	15,980	17,028	-6%	28,489	-44%	23,338	-32%	-39%	-50%	-54%	-64%	658%	977%
Gadwall	749,741	855,423	-12%	821,360	-9%	275,142	172%	3%	227%	415%	283%	1485%	2671%
Wigeon	377,623	235,511	60%	245,626	54%	165,507	128%	28%	312%	334%	103%	138%	185%
G-W Teal	789,935	313,029	152%	393,456	101%	365,809	116%	56%	47%	83%	45%	455%	928%
BW/CIN Teal	14,241	28,009	-49%	25,328	-44%	22,284	-36%	-85%	153%	139%	-28%	107%	1285%
Shoveler	123,207	169,464	-27%	195,070	-37%	76,977	60%	-8%	54%	100%	52%	495%	399%
Pintail	593,244	542,039	9%	431,591	37%	712,753	-17%	-4%	8%	1%	-47%	26%	-42%
Wood Duck	57,954	57,513	1%	37,250	56%	8,025	622%	305%	847%	1733%		6157%	5373%
Whistling Duck	14,178	0		2,653	435%	5,330	166%	-27%	416%	1786%			
<b>Total Dabblers</b>	<b>4,679,802</b>	<b>3,857,374</b>	<b>21%</b>	<b>3,934,255</b>	<b>19%</b>	<b>3,388,249</b>	<b>38%</b>	<b>13%</b>	<b>69%</b>	<b>77%</b>	<b>7%</b>	<b>72%</b>	<b>40%</b>
Redhead	333,393	431,203	-23%	227,542	47%	324,498	3%	27%	17%	45%	13%	8%	-42%
Canvasback	29,356	26,855	9%	33,579	-13%	20,343	44%	45%	32%	-9%	59%	244%	116%
Scaup	89,748	142,532	-37%	256,601	-65%	137,389	-35%	-58%	46%	23%	16%	45%	-63%
Ringneck	262,620	356,955	-26%	274,593	-4%	58,613	348%	90%	325%	1215%	4371%	5901%	8529%
Goldeneye	37,702	33,740	12%	32,397	16%	18,270	106%	32%	111%	103%	286%	237%	140%
Bufflehead	11,825	34,121	-65%	26,111	-55%	9,718	22%	-46%	0%	98%	86%	250%	1132%
Ruddy Duck	2,981	6,050	-51%	4,242	-30%	7,321	-59%	-72%	-54%	-73%	-41%	-72%	12%
<b>Total Divers</b>	<b>767,625</b>	<b>1,031,456</b>	<b>-26%</b>	<b>855,065</b>	<b>-10%</b>	<b>576,152</b>	<b>33%</b>	<b>10%</b>	<b>64%</b>	<b>96%</b>	<b>83%</b>	<b>88%</b>	<b>-10%</b>
Scoter	0	0		0		0							
Long-tailed Duck	0	7		2		1							
Mergansers	55,468	81,753	-32%	55,670	0%	81,280	-32%	-32%	-46%	-54%	-31%	-28%	16%
Unident. Ducks	348,838	460,269	-24%	322,529	8%	105,152	232%	153%	50%	1114%	840%	2047%	504%
<b>TOTAL DUCKS</b>	<b>5,851,733</b>	<b>5,430,859</b>	<b>8%</b>	<b>5,167,519</b>	<b>13%</b>	<b>4,150,833</b>	<b>41%</b>	<b>16%</b>	<b>84%</b>	<b>19%</b>	<b>81%</b>	<b>36%</b>	
Brant	0	0		0		0							
Snow/Blue Goose	1,401,013	1,283,034	9%	1,106,929	27%	738,957	90%	46%	30%	54%	114%	364%	264%
Ross's Goose	17,943	9,121	97%	26,706	-33%	9,759	38%	336%					
White-fronted Goose	107,828	69,266	56%	85,427	26%	91,677	18%	-37%	-40%	-15%	121%	568%	349%
Canada goose	1,550,219	1,813,801	-15%	1,634,245	-5%	819,226	89%	4%	14%	74%	242%	607%	978%
<b>TOTAL GEESE</b>	<b>3,077,003</b>	<b>3,175,222</b>	<b>-3%</b>	<b>2,853,307</b>	<b>8%</b>	<b>1,654,309</b>	<b>86%</b>	<b>17%</b>	<b>17%</b>	<b>60%</b>	<b>166%</b>	<b>473%</b>	<b>457%</b>
Tundra Swan	0	24	-100%	28	-100%	14	-100%	-100%	-100%	-100%	-100%	-100%	-100%
Trumpeter Swan	703	782	-10%	708	-1%	257	174%	42%	252%	303%	557%	340%	353%
Mute Swan	0	3		2				-100%	-100%				
Unident. Swans	26	91	-71%	55	-53%			105%	391%				
<b>TOTAL SWANS</b>	<b>729</b>	<b>900</b>	<b>-19%</b>	<b>793</b>	<b>-8%</b>	<b>279</b>	<b>161%</b>	<b>40%</b>	<b>243%</b>	<b>313%</b>	<b>528%</b>	<b>301%</b>	<b>310%</b>
Coot	348,767	222,137	57%	294,143	19%	250,683	39%	-14%	39%	22%	63%	46%	4%
<b>GRAND TOTAL</b>	<b>9,278,232</b>	<b>8,829,118</b>	<b>5%</b>	<b>8,315,762</b>	<b>12%</b>	<b>6,056,105</b>	<b>53%</b>	<b>15%</b>	<b>44%</b>	<b>72%</b>	<b>47%</b>	<b>132%</b>	<b>87%</b>

**MID-WINTER WATERFOWL SURVEY  
CENTRAL FLYWAY**

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**CENTRAL FLYWAY MID-WINTER WATERFOWL SURVEY RESULTS, 2010-16**

<b>SPECIES</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2010-2015 AVG</b>
Mallard	1,469,007	1,572,128	2,118,885	2,126,645	1,594,569	1,639,358	1,943,698				1,753,432
Black Duck	0	0	0	0	1	0	1				0
Mottled Duck	23,314	39,458	30,624	27,771	32,736	17,028	15,980				28,489
Gadwall	787,075	762,915	922,231	850,676	749,838	855,423	749,741				821,360
Wigeon	423,296	223,430	191,135	247,730	152,654	235,511	377,623				245,626
G-W Teal	360,769	311,314	397,317	327,047	651,258	313,029	789,935				393,456
BW/CIN Teal	25,924	75,720	14,105	2,129	6,082	28,009	14,241				25,328
Shoveler	195,455	138,215	188,706	164,150	314,432	169,464	123,207				195,070
Pintail	421,008	450,689	350,685	208,541	616,586	542,039	593,244				431,591
Wood Duck	12,109	57,522	18,259	52,802	25,296	57,513	57,954				37,250
Whistling Duck	280	0	0	15,635	0	0	14,178				2,653
<b>Total Dabblers</b>	<b>3,718,237</b>	<b>3,631,391</b>	<b>4,231,947</b>	<b>4,023,126</b>	<b>4,143,452</b>	<b>3,857,374</b>	<b>4,679,802</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,934,255</b>
Redhead	36,970	209,121	318,626	185,327	184,002	431,203	333,393				227,542
Canvasback	36,486	33,436	29,269	22,818	52,610	26,855	29,356				33,579
Scaup	419,805	216,183	270,854	129,870	360,362	142,532	89,748				256,601
Ringneck	279,816	278,133	169,012	303,730	259,912	356,955	262,620				274,593
Goldeneye	35,685	24,668	39,644	38,426	22,217	33,740	37,702				32,397
Bufflehead	34,510	13,618	34,112	18,568	21,737	34,121	11,825				26,111
Ruddy Duck	2,600	3,189	1,644	5,463	6,508	6,050	2,981				4,242
<b>Total Divers</b>	<b>845,872</b>	<b>778,348</b>	<b>863,161</b>	<b>704,202</b>	<b>907,348</b>	<b>1,031,456</b>	<b>767,625</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>855,065</b>
Scoter	0	0	0	0	0	0	0				0
Long-tailed Duck	2	0	1	0	0	7	0				2
Mergansers	54,125	57,947	37,103	62,342	40,747	81,753	55,468				55,670
Unident. Ducks	207,024	351,528	154,483	346,609	415,259	460,269	348,838				322,529
<b>TOTAL DUCKS</b>	<b>4,825,260</b>	<b>4,819,214</b>	<b>5,286,695</b>	<b>5,136,279</b>	<b>5,506,806</b>	<b>5,430,859</b>	<b>5,851,733</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,167,519</b>
Brant	0	0	0	0	0	0	0				0
Snow/Blue Goose	840,342	1,223,373	780,546	1,307,510	1,206,768	1,283,034	1,401,013				1,106,929
Ross's Goose	16,536	31,493	41,212	44,008	17,866	9,121	17,943				26,706
White-fronted Goose	161,119	128,171	78,812	48,187	27,006	69,266	107,828				85,427
Canada goose	1,445,762	1,540,347	1,708,955	1,693,482	1,603,125	1,813,801	1,550,219				1,634,245
<b>TOTAL GEESE</b>	<b>2,463,759</b>	<b>2,923,384</b>	<b>2,609,525</b>	<b>3,093,187</b>	<b>2,854,765</b>	<b>3,175,222</b>	<b>3,077,003</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,853,307</b>
Tundra Swan	22	14	32	59	17	24	0				28
Trumpeter Swan	592	790	808	785	491	782	703				708
Mute Swan	0	0	8	1	0	3	0				2
Unident. Swans	63	61	14	28	73	91	26				55
<b>TOTAL SWANS</b>	<b>677</b>	<b>865</b>	<b>862</b>	<b>873</b>	<b>581</b>	<b>900</b>	<b>729</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>793</b>
Coot	460,300	592,219	75,811	225,364	189,026	222,137	348,767				294,143
<b>GRAND TOTAL</b>	<b>7,749,996</b>	<b>8,335,682</b>	<b>7,972,893</b>	<b>8,455,703</b>	<b>8,551,178</b>	<b>8,829,118</b>	<b>9,278,232</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,315,762</b>

**CENTRAL FLYWAY MID-WINTER WATERFOWL SURVEY RESULTS, 2000-09**

<b>SPECIES</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2000-2009 AVG</b>
Mallard	1,798,494	1,866,170	1,877,544	1,825,639	1,183,436	1,425,943	1,696,808	1,994,971	1,852,566	1,510,434	1,703,201
Black Duck	11	0	0	10	4	13	0	0	1	0	4
Mottled Duck	30,639	15,035	25,076	24,797	23,734	31,389	18,396	38,218	27,470	25,324	26,008
Gadwall	762,360	561,275	532,403	588,194	971,407	604,554	856,352	675,176	1,033,802	695,751	728,127
Wigeon	421,453	180,825	286,363	450,146	326,325	354,509	230,293	169,821	278,361	263,168	296,126
G-W Teal	576,173	210,864	451,114	187,545	436,981	241,663	511,213	486,847	1,261,112	689,119	505,263
BW/CIN Teal	2,519	30,862	24,093	149,309	215,398	287,307	55,616	44,627	60,923	97,200	96,785
Shoveler	161,851	152,701	122,979	173,302	169,739	102,244	130,219	101,936	116,278	101,470	133,272
Pintail	374,407	327,797	492,311	713,071	664,003	572,008	857,151	681,902	936,028	572,499	619,118
Wood Duck	13,397	39,505	10,370	7,454	14,274	6,798	12,320	25,336	9,101	4,650	14,321
Whistling Duck	0	0	0	11,719	15,269	27,571	0	52,607	87,007	0	19,417
<b>Total Dabblers</b>	<b>4,141,304</b>	<b>3,385,034</b>	<b>3,822,253</b>	<b>4,131,186</b>	<b>4,020,570</b>	<b>3,653,999</b>	<b>4,368,368</b>	<b>4,271,441</b>	<b>5,662,649</b>	<b>3,959,615</b>	<b>4,141,642</b>
Redhead	115,096	256,224	517,788	359,795	127,814	364,646	459,592	38,462	224,140	162,867	262,642
Canvasback	15,438	22,286	62,756	16,142	6,798	6,557	17,324	3,769	16,974	35,087	20,313
Scaup	144,800	89,889	141,456	327,027	268,811	97,961	90,890	95,890	92,456	791,864	214,104
Ringneck	127,735	98,015	117,639	127,152	156,086	204,323	81,773	82,410	227,548	158,142	138,082
Goldeneye	27,481	36,340	27,775	21,966	33,752	20,432	18,088	34,691	25,621	38,945	28,509
Bufflehead	37,690	44,682	18,750	9,244	8,529	34,938	25,234	6,655	11,352	20,085	21,716
Ruddy Duck	54,570	3,201	2,459	3,258	2,938	2,313	254	76	3,136	34,578	10,678
<b>Total Divers</b>	<b>522,810</b>	<b>550,637</b>	<b>888,623</b>	<b>864,584</b>	<b>604,728</b>	<b>731,170</b>	<b>693,155</b>	<b>261,953</b>	<b>601,227</b>	<b>1,241,568</b>	<b>696,046</b>
Scoter	0	0	0	0	0	0	0	0	0	0	0
Oldsquaw	0	0	2	1	0	0	0	0	0	0	0
Mergansers	190,795	69,329	116,994	96,455	67,835	38,587	86,992	37,281	46,579	68,364	81,921
Unident. Ducks	232,465	85,110	146,930	94,391	100,430	193,824	63,760	25,332	259,873	177,613	137,973
<b>TOTAL DUCKS</b>	<b>5,087,374</b>	<b>4,090,110</b>	<b>4,974,802</b>	<b>5,186,617</b>	<b>4,793,563</b>	<b>4,617,580</b>	<b>5,212,275</b>	<b>4,596,007</b>	<b>6,570,328</b>	<b>5,447,160</b>	<b>5,057,582</b>
Brant	0	0	0	0	1	0	0	0	0	0	0
Snow/Blue Goose	1,186,088	847,996	771,141	920,940	842,559	1,009,894	940,478	1,240,242	790,139	1,036,810	958,629
Ross' Goose	8,489	9,685	4,187	11,941	19,813	10,997	8,617	6,957	25,802	23,286	12,977
White-fronted Goose	145,219	141,189	260,849	213,343	79,389	147,783	304,093	243,081	82,936	103,172	172,105
Canada goose	1,400,416	1,286,397	1,625,355	1,606,017	1,608,775	1,271,517	1,448,691	1,597,631	1,584,979	1,487,199	1,491,698
<b>TOTAL GEESE</b>	<b>2,740,212</b>	<b>2,285,267</b>	<b>2,661,532</b>	<b>2,752,241</b>	<b>2,550,537</b>	<b>2,440,191</b>	<b>2,701,879</b>	<b>3,087,911</b>	<b>2,483,856</b>	<b>2,650,467</b>	<b>2,635,409</b>
Tundra Swan	7	15	13	7	22	12	26	9	10	5	13
Trumpeter Swan	395	303	227	395	271	606	614	780	651	696	494
Mute Swan	2	0	0	6	16	2	0	0	0	0	3
Unident. Swans	5	17	25	16	8	14	10	2	14	16	13
<b>TOTAL SWANS</b>	<b>409</b>	<b>335</b>	<b>265</b>	<b>424</b>	<b>317</b>	<b>634</b>	<b>650</b>	<b>791</b>	<b>675</b>	<b>717</b>	<b>522</b>
Coot	218,707	265,066	549,363	346,894	561,937	245,746	290,874	437,764	732,687	414,100	406,314
<b>GRAND TOTAL</b>	<b>8,046,702</b>	<b>6,640,778</b>	<b>8,185,962</b>	<b>8,286,176</b>	<b>7,906,354</b>	<b>7,304,151</b>	<b>8,205,678</b>	<b>8,122,473</b>	<b>9,787,546</b>	<b>8,512,444</b>	<b>8,099,826</b>

**CENTRAL FLYWAY MID-WINTER WATERFOWL SURVEY RESULTS, 1990-99**

<b>SPECIES</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>1990-1999 AVG</b>
Mallard	1,299,805	791,723	1,437,186	591,251	746,749	862,067	919,812	1,328,407	1,902,451	2,558,207	1,243,766
Black Duck	0	5	1	0	6	0	0	1	0	0	1
Mottled Duck	22,300	11,300	45,100	52,700	47,377	41,920	35,863	21,814	24,488	17,892	32,075
Gadwall	136,621	71,072	129,079	116,749	138,305	129,771	152,979	370,233	489,898	554,810	228,952
Wigeon	32,444	27,396	214,920	45,670	55,936	60,856	66,863	81,744	175,581	155,411	91,682
G-W Teal	280,257	81,307	722,935	327,341	156,102	2,205,886	260,638	449,524	381,897	494,256	536,014
BW/CIN Teal	1,112	760	5,065	3,948	3,252	15,949	1,317	6,928	2,784	15,106	5,622
Shoveler	85,945	41,682	54,154	59,683	142,284	77,357	68,113	77,396	83,302	110,886	80,080
Pintail	589,250	97,190	905,320	319,120	431,924	721,753	317,173	505,419	612,712	992,064	549,193
Wood Duck	405	900	2,109	3,038	1,927	10,085	595	16,772	19,444	5,915	6,119
Whistling Duck	100	100	1,500	16,300	735	899	545	1,000	3,510	2,796	2,749
<b>Total Dabblers</b>	<b>2,448,239</b>	<b>1,123,435</b>	<b>3,517,369</b>	<b>1,535,800</b>	<b>1,724,597</b>	<b>4,126,543</b>	<b>1,823,898</b>	<b>2,859,238</b>	<b>3,696,067</b>	<b>4,907,343</b>	<b>2,776,253</b>
Redhead	193,608	213,347	236,326	313,557	231,067	565,268	262,530	296,567	251,866	293,855	285,799
Canvasback	32,934	5,250	17,935	6,746	15,072	57,077	22,676	9,424	14,177	40,470	22,176
Scaup	36,683	12,667	24,737	57,012	92,990	51,886	76,855	55,550	74,713	131,968	61,506
Ringneck	41,304	8,163	45,232	28,936	18,954	13,847	12,068	61,576	186,004	202,481	61,857
Goldeneye	18,217	12,446	18,398	12,839	17,092	24,633	18,055	17,296	17,450	22,464	17,889
Bufflehead	4,839	3,811	7,620	24,688	13,899	12,192	11,029	7,041	16,499	16,665	11,828
Ruddy Duck	2,720	1,369	2,899	14,040	5,558	24,527	5,501	4,190	1,316	3,169	6,529
<b>Total Divers</b>	<b>330,305</b>	<b>257,053</b>	<b>353,147</b>	<b>457,818</b>	<b>394,632</b>	<b>749,430</b>	<b>408,714</b>	<b>451,644</b>	<b>562,025</b>	<b>711,072</b>	<b>467,584</b>
Scoter	2	0	0	0	0	0	0	0	0	0	0
Long-tailed Duck	1	0	0	0	0	0	0	0	0	0	0
Mergansers	134,073	124,543	131,322	93,361	105,802	65,783	122,796	90,481	66,516	89,148	102,383
Unident. Ducks	438,525	13,937	8,881	17,446	4,293	5,357	18,773	701,689	704,765	407,522	232,119
<b>TOTAL DUCKS</b>	<b>3,351,145</b>	<b>1,518,968</b>	<b>4,010,719</b>	<b>2,104,425</b>	<b>2,229,324</b>	<b>4,947,113</b>	<b>2,374,181</b>	<b>4,103,052</b>	<b>5,029,373</b>	<b>6,115,085</b>	<b>3,578,339</b>
Brant	0	0	0	0	0	0	0	0	0	0	0
Snow/Blue Goose	699,988	904,504	996,258	941,096	1,100,043	1,349,746	928,619	1,330,006	1,162,207	1,344,173	1,075,664
Ross' Goose								5,772	0	6,576	4,116
White-fronted Goose	90,830	155,211	85,881	158,625	188,878	194,845	154,519	215,254	356,531	200,391	180,097
Canada goose	1,170,027	1,648,529	1,779,685	1,028,518	1,017,592	1,316,206	1,333,912	1,311,092	1,390,837	1,640,852	1,363,725
<b>TOTAL GEESE</b>	<b>1,960,845</b>	<b>2,708,244</b>	<b>2,861,824</b>	<b>2,128,239</b>	<b>2,306,513</b>	<b>2,860,797</b>	<b>2,417,050</b>	<b>2,862,124</b>	<b>2,909,575</b>	<b>3,191,992</b>	<b>2,620,720</b>
Tundra Swan	3	10	1	1	0	32	8	3	9	2	7
Trumpeter Swan	170	203	166	161	252	234	227	177	270	139	200
Mute Swan	0	2	0	0	1	2	0	0	0	0	1
Unident. Swans	0	0	0	12	3	5	0	0	7	26	5
<b>TOTAL SWANS</b>	<b>173</b>	<b>215</b>	<b>167</b>	<b>174</b>	<b>256</b>	<b>273</b>	<b>235</b>	<b>180</b>	<b>286</b>	<b>167</b>	<b>213</b>
Coot	273,221	75,155	127,631	98,390	153,174	289,636	246,531	135,878	658,349	443,535	250,150
<b>GRAND TOTAL</b>	<b>5,585,384</b>	<b>4,302,582</b>	<b>7,000,341</b>	<b>4,331,228</b>	<b>4,689,267</b>	<b>8,097,819</b>	<b>5,037,997</b>	<b>7,101,234</b>	<b>8,597,583</b>	<b>9,750,779</b>	<b>6,449,421</b>



**CENTRAL FLYWAY MID-WINTER WATERFOWL SURVEY RESULTS, 1980-89**

<b>SPECIES</b>	<b>1980</b>	<b>1981</b>	<b>1982</b>	<b>1983</b>	<b>1984</b>	<b>1985</b>	<b>1986</b>	<b>1987</b>	<b>1988</b>	<b>1989</b>	<b>1980-1989 AVG</b>
Mallard	1,523,275	2,222,419	1,465,773	1,354,096	977,391	1,027,785	790,751	1,072,449	993,607	1,393,624	1,282,117
Black Duck	0	0	0	6	20	0	0	0	0	0	3
Mottled Duck	38,401	37,400	32,600	39,400	52,400	33,100	43,400	34,450	28,400	9,865	34,942
Gadwall	257,873	147,697	138,117	147,856	191,029	173,732	108,076	124,624	110,248	55,783	145,504
Wigeon	149,135	106,409	150,599	101,540	76,915	75,840	39,584	76,546	67,807	26,003	87,038
G-W Teal	1,146,335	397,737	329,650	194,726	226,370	288,145	221,055	541,915	737,160	228,101	431,119
BW/CIN Teal	5,475	1,737	1,000	1,200	2,000	12,400	13,800	2,600	6,800	12,600	5,961
Shoveler	59,207	33,090	61,559	73,810	54,000	54,400	68,200	70,244	102,549	39,975	61,703
Pintail	1,542,961	349,677	617,876	353,175	593,311	571,800	335,335	516,825	733,405	278,559	589,292
Wood Duck	0	0	2,000	2,200	1,701	12,300	8,700	1,801	600	2,317	3,162
Whistling Duck	0	0	0	3,300	0	100	3,900	0	100	118	752
<b>Total Dabblers</b>	<b>4,722,662</b>	<b>3,296,166</b>	<b>2,799,174</b>	<b>2,271,309</b>	<b>2,175,137</b>	<b>2,249,602</b>	<b>1,632,801</b>	<b>2,441,454</b>	<b>2,780,676</b>	<b>2,046,945</b>	<b>2,641,593</b>
Redhead	223,390	216,032	235,953	211,948	194,631	108,100	276,720	322,058	213,058	304,293	230,618
Canvasback	16,612	42,741	29,922	82,210	57,313	16,300	27,615	18,050	17,965	14,879	32,361
Scaup	75,231	62,767	140,349	38,149	61,260	75,800	116,200	59,157	79,639	19,351	72,790
Ringneck	1,500	7,301	9,000	13,500	54,160	21,606	14,800	21,309	33,900	22,650	19,973
Goldeneye	9,206	17,656	14,906	10,710	11,015	33,316	14,062	29,527	14,777	30,479	18,565
Bufflehead	6,232	11,381	3,812	7,050	5,525	6,000	3,300	5,561	6,354	4,471	5,969
Ruddy Duck	15,156	8,203	9,100	8,000	25,200	14,000	6,500	16,601	3,400	5,251	11,141
<b>Total Divers</b>	<b>347,327</b>	<b>366,081</b>	<b>443,042</b>	<b>371,567</b>	<b>409,104</b>	<b>275,122</b>	<b>459,197</b>	<b>472,263</b>	<b>369,093</b>	<b>401,374</b>	<b>391,417</b>
Scoter											
Long-tailed Duck											
Mergansers	104,571	289,467	65,865	116,312	45,333	115,387	84,525	113,600	112,915	154,259	120,223
Unident. Ducks	10,870	44,000	19,050	42,012	22,318	5,970	7,700	9,437	10,050	115,897	28,730
<b>TOTAL DUCKS</b>	<b>5,185,430</b>	<b>3,995,714</b>	<b>3,327,131</b>	<b>2,801,200</b>	<b>2,651,892</b>	<b>2,646,081</b>	<b>2,184,223</b>	<b>3,036,754</b>	<b>3,272,734</b>	<b>2,718,475</b>	<b>3,181,963</b>
Brant	0	0	0	0	10	0	0	0	0	0	1
Snow/Blue Goose	834,250	939,594	975,710	999,442	948,576	1,043,125	934,202	963,982	782,139	665,769	908,679
Ross' Goose											
White-fronted Goose	107,127	110,550	155,835	110,835	140,697	155,705	92,727	194,530	90,626	103,073	126,171
Canada goose	675,252	982,438	976,953	839,064	587,036	786,505	783,429	1,026,421	1,016,089	1,221,666	889,485
<b>TOTAL GEESE</b>	<b>1,616,629</b>	<b>2,032,582</b>	<b>2,108,498</b>	<b>1,949,341</b>	<b>1,676,319</b>	<b>1,985,335</b>	<b>1,810,358</b>	<b>2,184,933</b>	<b>1,888,854</b>	<b>1,990,508</b>	<b>1,924,336</b>
Tundra Swan	2	0	0	2	5	0	0	3	4	4	2
Trumpeter Swan	201	139	230	213	153	194	152	16	220	225	174
Mute Swan			0	0	0	0	0	0	0	0	0
Unident. Swans			0	0	0	0	0	0	0	0	0
<b>TOTAL SWANS</b>	<b>203</b>	<b>139</b>	<b>230</b>	<b>215</b>	<b>158</b>	<b>194</b>	<b>152</b>	<b>19</b>	<b>224</b>	<b>229</b>	<b>176</b>
Coot	350,462	317,200	325,700	216,870	388,892	208,600	158,450	234,850	421,800	240,616	286,344
<b>GRAND TOTAL</b>	<b>7,152,724</b>	<b>6,345,635</b>	<b>5,761,559</b>	<b>4,967,626</b>	<b>4,717,261</b>	<b>4,840,210</b>	<b>4,153,183</b>	<b>5,456,556</b>	<b>5,583,612</b>	<b>4,949,828</b>	<b>5,392,819</b>

**JANUARY 2016 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY <sup>1</sup>**

<b>SPECIES</b>	<b>ND</b>	<b>MT</b>	<b>SD</b>	<b>WY</b>	<b>CO</b>	<b>NE</b>	<b>KS</b>	<b>OK</b>	<b>NM</b>	<b>TX</b>	<b>TOTAL</b>
Mallard	15,444	9,229	83,966	40,209	72,775	213,806	319,012	173,541	15,259	1,000,457	1,943,698
Black Duck	0	0	0	0	0	0	1	0	0	0	1
Mottled Duck	0	0	0	0	0	0	0	0	0	15,980	15,980
Gadwall	51	0	10	74	339	90	3,650	10,798	1,272	733,457	749,741
Wigeon	0	0	0	51	699	67	8,909	2,072	7,776	358,049	377,623
G-W Teal	0	0	2	39	572	16	2,165	11,834	8,247	767,060	789,935
BW/CIN Teal	0	0	0	0	0	0	0	10	0	14,231	14,241
Shoveler	0	0	0	0	1,587	0	1,005	1,013	498	119,104	123,207
Pintail	50	0	1	4	215	33	863	13,606	7,467	571,005	593,244
Wood Duck	0	0	4	0	0	4	52	585	0	57,309	57,954
Whistling Duck	0	0	0	0	113	0	0	0	0	14,065	14,178
<b>Total Dabblers</b>	<b>15,545</b>	<b>9,229</b>	<b>83,983</b>	<b>40,377</b>	<b>76,300</b>	<b>214,016</b>	<b>335,657</b>	<b>213,459</b>	<b>40,519</b>	<b>3,650,717</b>	<b>4,679,802</b>
Redhead	0	46	0	4	301	13	647	624	655	331,103	333,393
Canvasback	0	0	0	4	136	12	436	230	52	28,486	29,356
Scaup	0	0	2	13	72	1	949	145	0	88,566	89,748
Ringneck	0	0	0	69	710	0	2,748	3,158	15	255,920	262,620
Goldeneye	146	3,812	13	3,630	1,402	179	20,371	31	173	7,945	37,702
Bufflehead	75	11	0	10	683	0	1,011	1,658	0	8,377	11,825
Ruddy Duck	0	0	0	0	24	0	331	470	148	2,008	2,981
<b>Total Divers</b>	<b>221</b>	<b>3,869</b>	<b>15</b>	<b>3,730</b>	<b>3,328</b>	<b>205</b>	<b>26,493</b>	<b>6,316</b>	<b>1,043</b>	<b>722,405</b>	<b>767,625</b>
Scoters	0	0	0	0	0	0	0	0	0	0	0
Long-tailed Ducks	0	0	0	0	0	0	0	0	0	0	0
Mergansers	219	142	1,525	196	2,138	6,033	23,370	875	10,300	10,670	55,468
Unident. Ducks	0	0	0	0	2,894	0	5,282	423	0	340,239	348,838
<b>Total Ducks</b>	<b>15,985</b>	<b>13,240</b>	<b>85,523</b>	<b>44,303</b>	<b>84,660</b>	<b>220,254</b>	<b>390,802</b>	<b>221,073</b>	<b>51,862</b>	<b>4,724,031</b>	<b>5,851,733</b>
Brant	0	0	0	0	0	0	0	0	0	0	0
Snow/Blue Goose	46	0	1	0	119,032	1,207	836,296	67,439	7,880	369,112	1,401,013
Ross's Goose	0	0	2	0	0	1	10,462	7,478	0	0	17,943
Whitefront	0	0	0	0	0	0	13,678	6,689	0	87,461	107,828
Canada Goose	222,846	125,784	105,066	25,367	178,225	175,322	141,779	131,803	15,325	428,702	1,550,219
<b>Total Geese</b>	<b>222,892</b>	<b>125,784</b>	<b>105,069</b>	<b>25,367</b>	<b>297,257</b>	<b>176,530</b>	<b>1,002,215</b>	<b>213,409</b>	<b>23,205</b>	<b>885,275</b>	<b>3,077,003</b>
Tundra Swan	0	0	0	0	0	0	0	0	0	0	0
Trumpeter Swan	0	0	4	91	0	595	13	0	0	0	703
Mute Swan	0	0	0	0	0	0	0	0	0	0	0
Unident. Swans	0	0	0	0	4	0	22	0	0	0	26
<b>Total Swans</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>91</b>	<b>4</b>	<b>595</b>	<b>35</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>729</b>
Coot	2	375	0	467	1,777	2	1,498	4,970	6,238	333,438	348,767
<b>Grand Total</b>	<b>238,879</b>	<b>139,399</b>	<b>190,596</b>	<b>70,228</b>	<b>383,698</b>	<b>397,381</b>	<b>1,394,550</b>	<b>439,452</b>	<b>81,305</b>	<b>5,942,744</b>	<b>9,278,232</b>

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<sup>1</sup>In TX, SGPand TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese,

Jan count in High and Rolling Plains also included in Light/WFG count but transect numbers in the other survey zones not included (used actual counts).

**JANUARY 2015 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY <sup>1</sup>**

<b>SPECIES</b>	<b>ND</b>	<b>MT</b>	<b>SD</b>	<b>WY</b>	<b>CO</b>	<b>NE</b>	<b>KS</b>	<b>OK</b>	<b>NM</b>	<b>TX</b>	<b>TOTAL</b>
Mallard	26,558	16,580	83,581	51,387	92,663	221,097	269,723	271,875	41,026	564,868	1,639,358
Black Duck											0
Mottled Duck										17,028	17,028
Gadwall			2	875	301		2,509	6,619	2,138	842,979	855,423
Wigeon				1,089	256	141	1,360	2,135	10,743	219,787	235,511
G-W Teal				451	565	136	1,238	9,001	24,687	276,951	313,029
BW/CIN Teal							25	23	8	27,953	28,009
Shoveler				2	1,332	4	473	574	2,578	164,501	169,464
Pintail			1	206	101	12	1,927	1,360	140,361	398,071	542,039
Wood Duck	5		2	48	23	7	58	586	7	56,777	57,513
Whistling Duck										0	0
<b>Total Dabblers</b>	<b>26,563</b>	<b>16,580</b>	<b>83,586</b>	<b>54,058</b>	<b>95,241</b>	<b>221,397</b>	<b>277,313</b>	<b>292,173</b>	<b>221,548</b>	<b>2,568,915</b>	<b>3,857,374</b>
Redhead				15	269	56	243	238	532	429,850	431,203
Canvasback				2	39	1	252	262	132	26,167	26,855
Scaup			6	41	171	13	156	1,133	20	140,992	142,532
Ringneck				71	261	18	516	1,557	461	354,071	356,955
Goldeneye	107	3,690	106	9,358	449	107	4,372	1,440	195	13,916	33,740
Bufflehead	3	25	16	51	243	8	687	1,302	248	31,538	34,121
Ruddy Duck							17	34	120	5,879	6,050
<b>Total Divers</b>	<b>110</b>	<b>3,715</b>	<b>128</b>	<b>9,538</b>	<b>1,432</b>	<b>203</b>	<b>6,243</b>	<b>5,966</b>	<b>1,708</b>	<b>1,002,413</b>	<b>1,031,456</b>
Scoters											0
Long-tailed Ducks	1						6				7
Mergansers	127	190	2,644	1,276	939	9,470	25,999	17,298	6,229	17,581	81,753
Unident. Ducks					2,788		8,070	1,466	91	447,854	460,269
<b>Total Ducks</b>	<b>26,801</b>	<b>20,485</b>	<b>86,358</b>	<b>64,872</b>	<b>100,400</b>	<b>231,070</b>	<b>317,631</b>	<b>316,903</b>	<b>229,576</b>	<b>4,036,763</b>	<b>5,430,859</b>
Brant											0
Snow/Blue Goose				1	61,283	18	405,149	89,807	69,373	657,403	1,283,034
Ross's Goose								9,121			9,121
Whitefront						16	2,706	1,538		65,006	69,266
Canada Goose	119,006	117,680	85,356	37,777	131,676	238,685	287,843	262,868	26,475	506,435	1,813,801
<b>Total Geese</b>	<b>119,006</b>	<b>117,680</b>	<b>85,356</b>	<b>37,778</b>	<b>192,959</b>	<b>238,719</b>	<b>695,698</b>	<b>363,334</b>	<b>95,848</b>	<b>1,228,844</b>	<b>3,175,222</b>
Tundra Swan					1		21	2			24
Trumpeter Swan			35	47		692	8				782
Mute Swan					3						3
Unident. Swans							82	9		0	91
<b>Total Swans</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>47</b>	<b>4</b>	<b>692</b>	<b>111</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>900</b>
Coot		350		693	1,326	11	1,212	601	8,049	209,895	222,137
<b>Grand Total</b>	<b>145,807</b>	<b>138,515</b>	<b>171,749</b>	<b>103,390</b>	<b>294,689</b>	<b>470,492</b>	<b>1,014,652</b>	<b>680,849</b>	<b>333,473</b>	<b>5,475,502</b>	<b>8,829,118</b>

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<sup>1</sup>In TX, SGPand TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese,

Jan count in High and Rolling Plains also included in Light/WFG count but transect numbers in the other survey zones not included (used actual counts).

**JANUARY 2014 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY<sup>1</sup>**

<b>SPECIES</b>	<b>ND</b>	<b>MT</b>	<b>SD</b>	<b>WY</b>	<b>CO</b>	<b>NE</b>	<b>KS</b>	<b>OK</b>	<b>NM</b>	<b>TX</b>	<b>TOTAL</b>
Mallard	18,721	16,540	104,730	62,843	90,723	321,464	228,692	236,720	56,569	457,567	1,594,569
Black Duck			1								1
Mottled Duck										32,736	32,736
Gadwall			6	595	558	257	1,066	7,607	4,619	735,130	749,838
Wigeon				1,022	381	267	3,358	748	7,186	139,692	152,654
G-W Teal			7	559	237	7	1,119	5,950	8,690	634,689	651,258
BW/CIN Teal										6,082	6,082
Shoveler					888		1,198	850	4,533	306,963	314,432
Pintail	1			477	171	22	3,235	1,766	62,595	548,319	616,586
Wood Duck	2		4	8	8	4	148	396		24,726	25,296
Whistling Duck											0
<b>Total Dabblers</b>	<b>18,724</b>	<b>16,540</b>	<b>104,748</b>	<b>65,504</b>	<b>92,966</b>	<b>322,021</b>	<b>238,816</b>	<b>254,037</b>	<b>144,192</b>	<b>2,885,904</b>	<b>4,143,452</b>
Redhead			10	20	195	12	1,209	93	2,368	180,095	184,002
Canvasback					10		231	37	735	51,597	52,610
Scaup			20	40	236	6	1,095	130	878	357,957	360,362
Ringneck			10	171	163	51	1,818	953	977	255,769	259,912
Goldeneye		4,568	270	6,565	1,247	239	4,352	483	122	4,371	22,217
Bufflehead			31	87	262	14	1,462	302	227	19,352	21,737
Ruddy Duck				16			211	24	194	6,063	6,508
<b>Total Divers</b>	<b>0</b>	<b>4,568</b>	<b>341</b>	<b>6,899</b>	<b>2,113</b>	<b>322</b>	<b>10,378</b>	<b>2,022</b>	<b>5,501</b>	<b>875,204</b>	<b>907,348</b>
Scoters											0
Long-tailed Ducks											0
Mergansers	113	60	1,216	1,387	673	2,916	7,620	9,127	6,535	11,100	40,747
Unident. Ducks					1,004	1,018	192	2,266	4	410,775	415,259
<b>Total Ducks</b>	<b>18,837</b>	<b>21,168</b>	<b>106,305</b>	<b>73,790</b>	<b>96,756</b>	<b>326,277</b>	<b>257,006</b>	<b>267,452</b>	<b>156,232</b>	<b>4,182,983</b>	<b>5,506,806</b>
Brant											0
Snow/Blue Goose			6	254	57,085	45	520,876	115,419	83,140	429,943	1,206,768
Ross's Goose								17,866			17,866
Whitefront					1	18	3,311	5,262		18,414	27,006
Canada Goose	52,771	76,470	141,165	125,471	167,505	349,017	194,866	174,339	21,156	300,365	1,603,125
<b>Total Geese</b>	<b>52,771</b>	<b>76,470</b>	<b>141,171</b>	<b>125,725</b>	<b>224,591</b>	<b>349,080</b>	<b>719,053</b>	<b>312,886</b>	<b>104,296</b>	<b>748,722</b>	<b>2,854,765</b>
Tundra Swan	1						9	7			17
Trumpeter Swan			2	33		444	12				491
Mute Swan											0
Unident. Swans					3		35	15		20	73
<b>Total Swans</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>33</b>	<b>3</b>	<b>444</b>	<b>56</b>	<b>22</b>	<b>0</b>	<b>20</b>	<b>581</b>
Coot		55	2	531	379	38	283		4,228	183,510	189,026
<b>Grand Total</b>	<b>71,609</b>	<b>97,693</b>	<b>247,480</b>	<b>200,079</b>	<b>321,729</b>	<b>675,839</b>	<b>976,398</b>	<b>580,360</b>	<b>264,756</b>	<b>5,115,235</b>	<b>8,551,178</b>

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<sup>1</sup>In TX, SGP and TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese, Jan count in High and Rolling Plains also included in Light/WFG count but transect numbers in the other survey zones not included (used actual counts).

**JANUARY 2013 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY<sup>1</sup>**

<b>SPECIES</b>	<b>ND</b>	<b>MT</b>	<b>SD</b>	<b>WY</b>	<b>CO</b>	<b>NE</b>	<b>KS</b>	<b>OK</b>	<b>NM</b>	<b>TX</b>	<b>TOTAL</b>
Mallard	31,699	41,495	442,753	40,641	191,132	389,062	258,167	196,823	48,567	486,306	2,126,645
Black Duck											0
Mottled Duck										27,771	27,771
Gadwall	50		22	606	751	144	3,093	7,403	30,803	807,804	850,676
Wigeon			62	1,241	995	67	3,659	889	13,803	227,014	247,730
G-W Teal				683	804	70	4,259	11,231	4,430	281,992	303,469
BW/CIN Teal					2				23,578	2,127	25,707
Shoveler			1		2,100		1,136	2,019	2,725	156,169	164,150
Pintail				75	446	22	5,233	1,405	28,003	173,357	208,541
Wood Duck			6		21	11	150	214		52,400	52,802
Whistling Duck										15,635	15,635
<b>Total Dabblers</b>	<b>31,749</b>	<b>41,495</b>	<b>442,844</b>	<b>43,246</b>	<b>196,251</b>	<b>389,376</b>	<b>275,697</b>	<b>219,984</b>	<b>151,909</b>	<b>2,230,575</b>	<b>4,023,126</b>
Redhead				7	194	101	920	21	547	183,537	185,327
Canvasback					77	250	282	1,096	309	20,804	22,818
Scaup	30			20	334	300	348	435	120	128,283	129,870
Ringneck			16	232	279	211	2,715	518	132	299,627	303,730
Goldeneye	220	6,860	116	8,703	3,787	1,024	13,339	723	60	3,594	38,426
Bufflehead	10		23	79	293	350	2,990	946	117	13,760	18,568
Ruddy Duck				80	8		109	178	195	4,893	5,463
<b>Total Divers</b>	<b>260</b>	<b>6,860</b>	<b>155</b>	<b>9,121</b>	<b>4,972</b>	<b>2,236</b>	<b>20,703</b>	<b>3,917</b>	<b>1,480</b>	<b>654,498</b>	<b>704,202</b>
Scoters											0
Long-tailed Ducks											0
Mergansers	204	298	4,215	1,320	1,423	3,139	10,786	5,456	7,470	28,031	62,342
Unident. Ducks					22,679	833	11,004	1,732	4	310,357	346,609
<b>Total Ducks</b>	<b>32,213</b>	<b>48,653</b>	<b>447,214</b>	<b>53,687</b>	<b>225,325</b>	<b>395,584</b>	<b>318,190</b>	<b>231,089</b>	<b>160,863</b>	<b>3,223,461</b>	<b>5,136,279</b>
Brant											0
Snow/Blue Goose			80		87,891	6,772	660,768	52,672	44,592	454,735	1,307,510
Ross's Goose							1,160	8,235	34,613		44,008
Whitefront					1	70	5,825	1,853		40,438	48,187
Canada Goose	127,212	139,980	416,779	75,856	244,894	280,323	118,580	117,741	23,770	148,347	1,693,482
<b>Total Geese</b>	<b>127,212</b>	<b>139,980</b>	<b>416,859</b>	<b>75,856</b>	<b>332,786</b>	<b>287,165</b>	<b>786,333</b>	<b>180,501</b>	<b>102,975</b>	<b>643,520</b>	<b>3,093,187</b>
Tundra Swan					1		53	4	1		59
Trumpeter Swan			31	7		744	3				785
Mute Swan				1							1
Unident. Swans				1	3			12		12	28
<b>Total Swans</b>	<b>0</b>	<b>0</b>	<b>31</b>	<b>9</b>	<b>4</b>	<b>744</b>	<b>56</b>	<b>16</b>	<b>1</b>	<b>12</b>	<b>873</b>
Coot		630	70	533	1,400			1,137	5,050	215,538	224,358
<b>Grand Total</b>	<b>159,425</b>	<b>189,263</b>	<b>864,174</b>	<b>130,085</b>	<b>559,515</b>	<b>683,493</b>	<b>1,104,579</b>	<b>412,743</b>	<b>268,889</b>	<b>4,082,531</b>	<b>8,454,697</b>

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<sup>1</sup>In TX, SGPand TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese, Jan count in High and Rolling Plains also included in Light/WFG count but transect numbers in the other survey zones not included (used actual counts).

**JANUARY 2012 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY<sup>1</sup>**

<b>SPECIES</b>	<b>ND</b>	<b>MT</b>	<b>SD</b>	<b>WY</b>	<b>CO</b>	<b>NE</b>	<b>KS</b>	<b>OK</b>	<b>NM</b>	<b>TX</b>	<b>TOTAL</b>
Mallard	88,698	43,489	419,307	57,687	129,547	319,183	220,503	230,444	35,199	574,828	2,118,885
Black Duck											0
Mottled Duck										30,624	30,624
Gadwall			8	1,143	338	118	13,420	13,823	6,763	886,618	922,231
Wigeon			10	1,161	619	520	8,986	3,242	12,043	164,554	191,135
G-W Teal			1	327	753	52	2,798	12,245	16,021	359,984	392,181
BW/CIN Teal					2	0	45	30	5,136	14,028	19,241
Shoveler	200				2,031	87	5,964	3,977	1,435	175,012	188,706
Pintail	1		18	281	852	107	2,586	9,842	46,435	290,563	350,685
Wood Duck				15	24	22	903	733		16,562	18,259
Whistling Duck											0
<b>Total Dabblers</b>	<b>88,899</b>	<b>43,489</b>	<b>419,344</b>	<b>60,614</b>	<b>134,166</b>	<b>320,089</b>	<b>255,205</b>	<b>274,336</b>	<b>123,032</b>	<b>2,512,773</b>	<b>4,231,947</b>
Redhead		8		10	339	39	1,651	57	116	316,406	318,626
Canvasback				0	73	69	72	375	286	28,394	29,269
Scaup				25	197	73	356	1,138	764	268,301	270,854
Ringneck	1			446	502	34	4,025	3,701	983	159,320	169,012
Goldeneye	123	4,986	68	18,839	721	1,438	2,411	146	76	10,860	39,668
Bufflehead	1	111	25	96	374	95	690	122	143	32,431	34,088
Ruddy Duck			2	25	36		139	107	127	1,208	1,644
<b>Total Divers</b>	<b>125</b>	<b>5,105</b>	<b>95</b>	<b>19,441</b>	<b>2,242</b>	<b>1,748</b>	<b>9,344</b>	<b>5,646</b>	<b>2,495</b>	<b>816,920</b>	<b>863,161</b>
Scoters											0
Long-tailed Ducks				1							1
Mergansers	112	202	316	3,734	726	7,198	5,894	6,344	4,351	8,226	37,103
Unident. Ducks					41,622	575	3,205	6,849	59	102,173	154,483
<b>Total Ducks</b>	<b>89,136</b>	<b>48,796</b>	<b>419,755</b>	<b>83,790</b>	<b>178,756</b>	<b>329,610</b>	<b>273,648</b>	<b>293,175</b>	<b>129,937</b>	<b>3,440,092</b>	<b>5,286,695</b>
Brant											0
Snow/Blue Goose	19	17	1,896	17	51,409	30,126	183,159	94,964	36,396	382,543	780,546
Ross's Goose							2	11,956	29,254		41,212
Whitefront						35	9,910	1,523		67,344	78,812
Canada Goose	190,197	170,210	306,625	51,611	225,048	185,021	65,385	255,663	22,166	237,029	1,708,955
<b>Total Geese</b>	<b>190,216</b>	<b>170,227</b>	<b>308,521</b>	<b>51,628</b>	<b>276,457</b>	<b>215,182</b>	<b>258,456</b>	<b>364,106</b>	<b>87,816</b>	<b>686,916</b>	<b>2,609,525</b>
Tundra Swan					2		19		11		32
Trumpeter Swan			41	8		753	3	3			808
Mute Swan							8				8
Unident. Swans					3			2		9	14
<b>Total Swans</b>	<b>0</b>	<b>0</b>	<b>41</b>	<b>8</b>	<b>5</b>	<b>753</b>	<b>30</b>	<b>5</b>	<b>11</b>	<b>9</b>	<b>862</b>
Coot		164		643	1,736	1,755	3,108	1,532	5,082	61,791	75,811
<b>Grand Total</b>	<b>279,352</b>	<b>219,187</b>	<b>728,317</b>	<b>136,069</b>	<b>456,954</b>	<b>547,300</b>	<b>535,242</b>	<b>658,818</b>	<b>222,846</b>	<b>4,188,808</b>	<b>7,972,893</b>

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<sup>1</sup>In TX, SGPand TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese,

Jan count in High and Rolling Plains also included in Light/WFG count but transect numbers in the other survey zones not included (used actual counts).

**JANUARY 2011 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY<sup>1</sup>**

<b>SPECIES</b>	<b>ND</b>	<b>MT</b>	<b>SD</b>	<b>WY</b>	<b>CO</b>	<b>NE</b>	<b>KS</b>	<b>OK</b>	<b>NM</b>	<b>TX</b>	<b>TOTAL</b>
Mallard	5,334	22,973	35,378	46,092	105,265	310,257	196,098	230,992	37,152	582,587	1,572,128
Black Duck											0
Mottled Duck										39,458	39,458
Gadwall	1		10	1,074	144	350	2,016	6,717	7,566	745,037	762,915
Wigeon	1		53	1,485	377	118	2,261	1,377	9,762	207,996	223,430
G-W Teal	2			293	215	52	1,193	7,029	14,136	287,234	310,154
BW/CIN Teal					11		2		1,160	75,707	76,880
Shoveler					2,505	20	393	1,718	3,120	130,459	138,215
Pintail	1		3	117	236	9	776	1,953	28,784	418,810	450,689
Wood Duck			4	28	51	23	155	361	10	56,890	57,522
Whistling Duck											0
<b>Total Dabblers</b>	<b>5,339</b>	<b>22,973</b>	<b>35,448</b>	<b>49,089</b>	<b>108,804</b>	<b>310,829</b>	<b>202,894</b>	<b>250,147</b>	<b>101,690</b>	<b>2,544,178</b>	<b>3,631,391</b>
Redhead			29	35	117		1,558	289	174	206,919	209,121
Canvasback					23	1	25	367	128	32,892	33,436
Scaup			20	126	88	130	1,156	556	584	213,523	216,183
Ringneck			30	83	154	100	1,415	1,473	965	273,913	278,133
Goldeneye	38	8,086	414	9,148	930	1,211	2,693	446	88	1,614	24,668
Bufflehead			42	122	342	85	628	464	518	11,417	13,618
Ruddy Duck						3	102	554	338	2,192	3,189
<b>Total Divers</b>	<b>38</b>	<b>8,086</b>	<b>535</b>	<b>9,514</b>	<b>1,654</b>	<b>1,530</b>	<b>7,577</b>	<b>4,149</b>	<b>2,795</b>	<b>742,470</b>	<b>778,348</b>
Scoters											0
Long-tailed Ducks											0
Mergansers	76	340	668	1,740	1,016	2,426	11,253	16,907	8,081	15,440	57,947
Unident. Ducks			945		14,306	10	79,043	7,332	56	249,836	351,528
<b>Total Ducks</b>	<b>5,453</b>	<b>31,399</b>	<b>37,596</b>	<b>60,343</b>	<b>125,780</b>	<b>314,795</b>	<b>300,767</b>	<b>278,535</b>	<b>112,622</b>	<b>3,551,924</b>	<b>4,819,214</b>
Brant											0
Snow/Blue Goose			12	6	59,768	9	229,886	144,385	36,319	752,988	1,223,373
Ross's Goose							51	24,887	6,555		31,493
Whitefront						32	4,168	10,700	10	113,261	128,171
Canada Goose	7,319	70,585	98,064	91,501	196,507	312,374	141,188	324,769	19,783	278,257	1,540,347
<b>Total Geese</b>	<b>7,319</b>	<b>70,585</b>	<b>98,076</b>	<b>91,507</b>	<b>256,275</b>	<b>312,415</b>	<b>375,293</b>	<b>504,741</b>	<b>62,667</b>	<b>1,144,506</b>	<b>2,923,384</b>
Tundra Swan											0
Trumpeter Swan			7	22		761					790
Mute Swan											0
Unident. Swans			7		2		9	7	14	36	75
<b>Total Swans</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>22</b>	<b>2</b>	<b>761</b>	<b>9</b>	<b>7</b>	<b>14</b>	<b>36</b>	<b>865</b>
Coot			14	687	1,259	357	612	3,135	9,492	576,663	592,219
<b>Grand Total</b>	<b>12,772</b>	<b>101,984</b>	<b>135,700</b>	<b>152,559</b>	<b>383,316</b>	<b>628,328</b>	<b>676,681</b>	<b>786,418</b>	<b>184,795</b>	<b>5,273,129</b>	<b>8,335,682</b>

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<sup>1</sup>In TX, SGPand TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese,

Jan count in High and Rolling Plains also included in Light/WFG count but transect numbers in the other survey zones not included (used actual counts).

**JANUARY 2010 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY<sup>1</sup>**

<b>SPECIES</b>	<b>ND</b>	<b>MT</b>	<b>SD</b>	<b>WY</b>	<b>CO</b>	<b>NE</b>	<b>KS</b>	<b>OK</b>	<b>NM</b>	<b>TX</b>	<b>TOTAL</b>
Mallard	9,392	19,250	66,000	45,586	148,284	141,986	80,343	261,395	30,196	666,575	1,469,007
Black Duck				0					0	0	0
Mottled Duck				0					0	23,314	23,314
Gadwall			9	393	259	217	2,052	7,278	1,956	774,911	787,075
Wigeon			3	574	370	29	10,219	2,086	7,547	402,468	423,296
G-W Teal				264	285	75	100	5,033	3,958	351,054	360,769
BW/CIN Teal				0	9		0	5	0	25,910	25,924
Shoveler			1	0	2,019		570	798	1,262	190,805	195,455
Pintail			24	78	134	1	292	13,130	19,823	387,526	421,008
Wood Duck			6	22	38	7	38	407	1	11,590	12,109
Whistling Duck				0	0		0	0	0	280	280
<b>Total Dabblers</b>	<b>9,392</b>	<b>19,250</b>	<b>66,043</b>	<b>46,917</b>	<b>151,398</b>	<b>142,315</b>	<b>93,614</b>	<b>290,132</b>	<b>64,743</b>	<b>2,834,433</b>	<b>3,718,237</b>
Redhead			23	67	160	28	18	124	704	35,846	36,970
Canvasback				0	85	35	0	907	458	35,001	36,486
Scaup	1		8	135	203	57	646	1,162	503	417,090	419,805
Ringneck			1	123	355	53	511	2,676	336	275,761	279,816
Goldeneye	250	6,924	1,238	10,230	610	480	1,189	1,676	47	13,041	35,685
Bufflehead	12		40	218	446	38	183	1,019	296	32,258	34,510
Ruddy Duck				19	0		10	285	321	1,965	2,600
<b>Total Divers</b>	<b>263</b>	<b>6,924</b>	<b>1,310</b>	<b>10,792</b>	<b>1,859</b>	<b>691</b>	<b>2,557</b>	<b>7,849</b>	<b>2,665</b>	<b>810,962</b>	<b>845,872</b>
Scoters				0							
Oldsquaw	1		1	0							2
Mergansers	140	154	2,148	1,314	829	708	2,076	28,524	7,754	10,478	54,125
Unident. Ducks			1	0	29,596	19	657	8,562		168,189	207,024
<b>Total Ducks</b>	<b>9,796</b>	<b>26,328</b>	<b>69,503</b>	<b>59,023</b>	<b>183,682</b>	<b>143,733</b>	<b>98,904</b>	<b>335,067</b>	<b>75,162</b>	<b>3,824,062</b>	<b>4,825,260</b>
Brant				0							0
Snow/Blue Goose				3	101,652	7	112,215	53,354	49,378	523,733	840,342
Ross's Goose				0			2	8,323	8,211		16,536
Whitefront				0	1		46,118	18,383	0	96,617	161,119
Canada Goose	25,617	65,456	76,913	54,542	173,716	243,341	163,309	319,482	29,008	294,378	1,445,762
<b>Total Geese</b>	<b>25,617</b>	<b>65,456</b>	<b>76,913</b>	<b>54,545</b>	<b>275,369</b>	<b>243,348</b>	<b>321,644</b>	<b>399,542</b>	<b>86,597</b>	<b>914,728</b>	<b>2,463,759</b>
Tundra Swan				0				10	12		22
Trumpeter Swan			5	44		543					592
Mute Swan				0							0
Unident. Swans			2	0	2		12	47			63
<b>Total Swans</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>44</b>	<b>2</b>	<b>543</b>	<b>12</b>	<b>57</b>	<b>12</b>	<b>0</b>	<b>677</b>
Coot			21	290	28	12	34	4,595	5,350	449,970	460,300
<b>Grand Total</b>	<b>35,413</b>	<b>91,784</b>	<b>146,444</b>	<b>113,902</b>	<b>459,081</b>	<b>387,636</b>	<b>420,594</b>	<b>739,261</b>	<b>167,121</b>	<b>5,188,760</b>	<b>7,749,996</b>

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<sup>1</sup>In TX, SGPand TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese,

Jan count in High and Rolling Plains also included in Light/WFG count but transect numbers in the other survey zones not included (used actual counts).



**JANUARY 2009 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY<sup>1</sup>**

<b>SPECIES</b>	<b>ND</b>	<b>MT</b>	<b>SD</b>	<b>WY</b>	<b>CO</b>	<b>NE</b>	<b>KS</b>	<b>OK</b>	<b>NM</b>	<b>TX</b>	<b>TOTAL</b>
Mallard	11,958	23,504	129,894	61,462	55,519	348,690	179,738	217,533	28,710	453,426	1,510,434
Black Duck	2										2
Mottled Duck										25,324	25,324
Gadwall				1,149	177	50	3,843	5,775	3,290	681,467	695,751
Wigeon	1		44	1,333	1,023	70	9,767	1,065	4,832	245,033	263,168
G-W Teal				493	2,622	65	4,141	6,072	5,198	670,523	689,114
BW/CIN Teal			100		88				6	97,006	97,200
Shoveler	1				711	4	1,604	1,540	1,762	95,848	101,470
Pintail			10	258	1,798	2	2,695	4,343	23,460	539,933	572,499
Wood Duck			16	18	74	1	250	635	4	3,652	4,650
Whistling Duck										0	0
<b>Total Dabblers</b>	<b>11,962</b>	<b>23,504</b>	<b>130,064</b>	<b>64,713</b>	<b>62,012</b>	<b>348,882</b>	<b>202,038</b>	<b>236,963</b>	<b>67,262</b>	<b>2,812,212</b>	<b>3,959,612</b>
Redhead				56	1,775	20	6,777	144	690	153,405	162,867
Canvasback					1,071		147	1,593	959	31,317	35,087
Scaup					313	30	2,912	1,063	10	787,536	791,864
Ringneck				163	326	13	4,453	977	200	152,010	158,142
Goldeneye	28	3,996	262	9,543	431	142	19,945	132	65	4,401	38,945
Bufflehead		15	150	168	303	35	1,658	333	218	17,205	20,085
Ruddy Duck					14		152	77	41	34,294	34,578
<b>Total Divers</b>	<b>28</b>	<b>4,011</b>	<b>412</b>	<b>9,930</b>	<b>4,233</b>	<b>240</b>	<b>36,044</b>	<b>4,319</b>	<b>2,183</b>	<b>1,180,168</b>	<b>1,241,568</b>
Scoters					1						0
Oldsquaw											0
Mergansers	57	101	2,538	942	1,576	5,874	17,583	15,571	7,762	16,360	68,364
Unident. Ducks					17,873	14	325	3,054		156,347	177,613
<b>Total Ducks</b>	<b>12,047</b>	<b>27,616</b>	<b>133,014</b>	<b>75,585</b>	<b>85,695</b>	<b>355,010</b>	<b>255,990</b>	<b>259,907</b>	<b>77,207</b>	<b>4,165,087</b>	<b>5,447,157</b>
Brant											0
Snow/Blue Goose			8	4	154,736	23	365,376	41,586	36,694	438,383	1,036,810
Ross's Goose						1	1,325	3,616	18,344		23,286
Whitefront					1	33	63,273	3,567	8	36,290	103,172
Canada Goose	9,726	62,625	198,565	62,122	175,411	323,154	256,295	219,337	29,554	151,714	1,488,503
<b>Total Geese</b>	<b>9,726</b>	<b>62,625</b>	<b>198,573</b>	<b>62,126</b>	<b>330,148</b>	<b>323,211</b>	<b>686,269</b>	<b>268,106</b>	<b>84,600</b>	<b>626,387</b>	<b>2,651,771</b>
Tundra Swan								2	3		5
Trumpeter Swan				16	1	669	10				696
Mute Swan											0
Unident. Swans								12		4	16
<b>Total Swans</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>1</b>	<b>669</b>	<b>10</b>	<b>14</b>	<b>3</b>	<b>4</b>	<b>717</b>
Coot	1	25	20	447	695	3	791	5,242	8,541	398,335	414,100
<b>Grand Total</b>	<b>21,774</b>	<b>90,266</b>	<b>331,607</b>	<b>138,174</b>	<b>416,539</b>	<b>678,893</b>	<b>943,060</b>	<b>533,269</b>	<b>170,351</b>	<b>5,189,813</b>	<b>8,513,745</b>

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<sup>1</sup>In TX, SGPand TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese, Jan count in High and Rolling Plains also included in Light/WFG count but transect numbers in the other survey zones not included (used actual counts).

**JANUARY 2008 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY<sup>1</sup>**

<b>SPECIES</b>	<b>ND</b>	<b>MT</b>	<b>SD</b>	<b>WY</b>	<b>CO</b>	<b>NE</b>	<b>KS</b>	<b>OK</b>	<b>NM</b>	<b>TX</b>	<b>TOTAL</b>
Mallard	62,229	31,199	245,384	58,124	34,977	204,830	247,706	89,684	42,899	835,534	1,852,566
Black Duck							1				1
Mottled Duck										27,470	27,470
Gadwall			30	645	404	2	5,410	6,547	3,277	1,017,487	1,033,802
Wigeon			93	1,143	517	3	3,314	237	4,219	268,835	278,361
G-W Teal			75	679	334		3,701	6,476	4,818	1,245,029	1,261,112
BW/CIN Teal					8			2		60,913	60,923
Shoveler					2,017		1,087	2,436	1,158	109,580	116,278
Pintail			38	164	742	8		3,490	17,630	913,956	936,028
Wood Duck			3	7	56		753	1,496	2	6,784	9,101
Whistling Duck										87,007	87,007
<b>Total Dabblers</b>	<b>62,229</b>	<b>31,199</b>	<b>245,623</b>	<b>60,762</b>	<b>39,055</b>	<b>204,843</b>	<b>261,972</b>	<b>110,368</b>	<b>74,003</b>	<b>4,572,595</b>	<b>5,662,649</b>
Redhead	1		16	12	334		348	16	395	223,018	224,140
Canvasback				2	56		170	90	192	16,464	16,974
Scaup			26	34	83	20	446	1,689	83	90,075	92,456
Ringneck			100	19	96	10	4,223	1,197	457	221,446	227,548
Goldeneye		6,754	331	7,210	685	836	4,236	1,378	69	4,122	25,621
Bufflehead		6	47	80	425	35	306	237	691	9,525	11,352
Ruddy Duck			10		1		15	136	28	2,946	3,136
<b>Total Divers</b>	<b>1</b>	<b>6,760</b>	<b>530</b>	<b>7,357</b>	<b>1,680</b>	<b>901</b>	<b>9,744</b>	<b>4,743</b>	<b>1,915</b>	<b>567,596</b>	<b>601,227</b>
Scoters											0
Oldsquaw											0
Mergansers	144	90	1,805	1,138	1,002	3,422	21,621	5,309	5,519	6,519	46,569
Unident. Ducks					41,113		16,503	1,480		200,777	259,873
<b>Total Ducks</b>	<b>62,374</b>	<b>38,049</b>	<b>247,958</b>	<b>69,257</b>	<b>82,850</b>	<b>209,166</b>	<b>309,840</b>	<b>121,900</b>	<b>81,437</b>	<b>5,347,487</b>	<b>6,570,318</b>
Brant											0
Snow/Blue Goose			505	2	35,775	67	251,512	46,822	48,532	406,924	790,139
Ross's Goose						15	15,000	1,979	8,808		25,802
Whitefront			1				38,031	6,119	7	38,778	82,936
Canada Goose	174,860	192,195	115,005	19,670	128,252	156,002	298,228	227,536	28,306	244,925	1,584,979
<b>Total Geese</b>	<b>174,860</b>	<b>192,195</b>	<b>115,511</b>	<b>19,672</b>	<b>164,027</b>	<b>156,084</b>	<b>602,771</b>	<b>282,456</b>	<b>85,653</b>	<b>690,627</b>	<b>2,483,856</b>
Tundra Swan	1							4	5		10
Trumpeter Swan			29	28	1	593					651
Mute Swan											0
Unident. Swans							5	9			14
<b>Total Swans</b>	<b>1</b>	<b>0</b>	<b>29</b>	<b>28</b>	<b>1</b>	<b>593</b>	<b>5</b>	<b>13</b>	<b>5</b>	<b>0</b>	<b>675</b>
Coot			50	471	760		1,257	4,333	4,840	720,976	732,687
<b>Grand Total</b>	<b>237,235</b>	<b>230,244</b>	<b>363,548</b>	<b>89,428</b>	<b>247,638</b>	<b>365,843</b>	<b>913,873</b>	<b>408,702</b>	<b>171,935</b>	<b>6,759,090</b>	<b>9,787,536</b>

<sup>1</sup>In TX, SGP and TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese, Jan count in High and Rolling Plains also included in Light/WFG count but transect numbers in the other survey zones not included (used actual counts).

**JANUARY 2007 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY<sup>1</sup>**

<b>SPECIES</b>	<b>ND</b>	<b>MT</b>	<b>SD</b>	<b>WY</b>	<b>CO</b>	<b>NE</b>	<b>KS</b>	<b>OK</b>	<b>NM</b>	<b>TX</b>	<b>TOTAL</b>
Mallard	28,882	14,335	69,578	72,971	58,369	164,643	163,175	82,770	38,279	1,301,969	1,994,971
Black Duck											0
Mottled Duck										38,218	38,218
Gadwall			37	661	707	22	2,617	16,658	2,940	651,534	675,176
Wigeon			130	1,561	451	45	3,613	3,394	4,603	156,024	169,821
G-W Teal			32	813	260	50	686	8,731	12,015	464,260	486,847
BW/CIN Teal					31		275		1	44,320	44,627
Shoveler					2,198		4,981	2,575	1,929	90,253	101,936
Pintail	2		9	196	453		4,988	896	28,076	647,282	681,902
Wood Duck			26	31	7		1,049	692		23,531	25,336
Whistling Duck										52,607	52,607
<b>Total Dabblers</b>	<b>28,884</b>	<b>14,335</b>	<b>69,812</b>	<b>76,233</b>	<b>62,476</b>	<b>164,760</b>	<b>181,384</b>	<b>115,716</b>	<b>87,843</b>	<b>3,469,998</b>	<b>4,271,441</b>
Redhead	1		12		188		1,334	65	1,225	35,637	38,462
Canvasback					22	4	158	116	362	3,107	3,769
Scaup			8	34	137	87	1,318	449	339	93,518	95,890
Ringneck			120	121	236	24	694	1,112	77	80,026	82,410
Goldeneye	19	4,428	619	7,338	550	1,087	5,613	97	377	14,563	34,691
Bufflehead		25	26	131	229	125	2,343	40	200	3,536	6,655
Ruddy Duck			4	26	2		35	3	6		76
<b>Total Divers</b>	<b>20</b>	<b>4,453</b>	<b>789</b>	<b>7,650</b>	<b>1,364</b>	<b>1,327</b>	<b>11,495</b>	<b>1,882</b>	<b>2,586</b>	<b>230,387</b>	<b>261,953</b>
Scoters											0
Oldsquaw											0
Mergansers	30	30	703	1,224	646	10,730	9,680	3,181	7,492	3,565	37,281
Unident. Ducks					1,713		4,659	299		18,661	25,332
<b>Total Ducks</b>	<b>28,934</b>	<b>18,818</b>	<b>71,304</b>	<b>85,107</b>	<b>66,199</b>	<b>176,817</b>	<b>207,218</b>	<b>121,078</b>	<b>97,921</b>	<b>3,722,611</b>	<b>4,596,007</b>
Brant											0
Snow/Blue Goose			590	1	11,321	2,467	452,839	30,137	43,134	699,753	1,240,242
Ross's Goose							1,000	857	5,100		6,957
Whitefront					4	7	138,867	1,780	23	102,400	243,081
Canada Goose	109,005	77,400	203,097	35,984	136,954	149,998	420,618	167,065	26,797	270,713	1,597,631
<b>Total Geese</b>	<b>109,005</b>	<b>77,400</b>	<b>203,687</b>	<b>35,985</b>	<b>148,279</b>	<b>152,472</b>	<b>1,013,324</b>	<b>199,839</b>	<b>75,054</b>	<b>1,072,866</b>	<b>3,087,911</b>
Tundra Swan			3						6		9
Trumpeter Swan			226	10	2	542					780
Mute Swan											0
Unident. Swans								1		1	2
<b>Total Swans</b>	<b>0</b>	<b>0</b>	<b>229</b>	<b>10</b>	<b>2</b>	<b>542</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>791</b>
Coot				280	901		2,374	3,288	10,086	420,935	437,864
<b>Grand Total</b>	<b>137,939</b>	<b>96,218</b>	<b>275,220</b>	<b>121,382</b>	<b>215,381</b>	<b>329,831</b>	<b>1,222,916</b>	<b>324,206</b>	<b>183,067</b>	<b>5,216,413</b>	<b>8,122,573</b>

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<sup>\*</sup>In TX, SGPand TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

Jan count in High and Rolling Plains also included in Light/WFG count but transect numbers in the other survey zones not included (used actual counts).

<sup>1</sup> TX did not survey the Rolling Plains and Sand Plains due to weather and equipment problems. Goose surveys on the coast were flown in January instead of in late December.

**MID-WINTER GOOSE SURVEY  
CENTRAL FLYWAY**

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## RESULTS OF 2016 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY<sup>1</sup>

January 2016 Mid-winter Waterfowl Survey

State	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	West Tier CFAN <sup>3</sup>	East Tier CFAN <sup>3</sup>	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
Montana	121,764	4,020	0	0	0	0	0	125,784	0	0	0	125,784
No. Dakota	0	0	100	0	222,746	0	0	222,846	0	46	0	222,892
So. Dakota	0	0	6,342	0	98,724	0	0	105,066	0	3	0	105,069
Wyoming	14,253	1,942	0	0	0	9,172	0	25,367	0	0	0	25,367
Nebraska	1,333	0	0	0	173,989	0	0	175,322	200	1,007	0	176,529
Colorado	137,058	41,167	0	0	0	0	0	178,225	119,032	0	0	297,257
Kansas	0	0	8,424	1,523	36,178	0	95,654	141,779	0	846,758	13,678	1,002,215
N. Mexico	5,786	9,233	0	0	0	0	306	15,325	7,880	0	0	23,205
Oklahoma	0	3,210	122,070	0	6,523	0	0	131,803	0	74,917	6,689	213,409
Texas	0	393,341	35,361	0	0	0	0	428,702	109,445	259,667	87,461	885,275

<sup>1</sup>In TX, CFAN based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

### Central Flyway Goose Population Survey Results<sup>2</sup>

Year	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	West Tier CFAN	East Tier CFAN	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
2016	280,194	452,913	172,297	1,523	538,160	9,172	95,960	1,550,219	236,557	1,182,398	107,828	3,077,002
2015	238,844	547,700	280,438	15,200	455,846	13,384	262,389	1,813,801	243,253	1,048,902	69,266	3,175,222
2014	281,324	379,214	188,068	900	568,818	37,894	146,907	1,603,125	264,836	959,798	27,006	2,854,765
2013	341,302	256,268	263,271	2,375	768,818	23,617	37,831	1,693,482	225,936	1,125,582	48,187	3,093,187
2012	339,436	292,795	450,786	34,343	555,355	9,111	27,129	1,708,955	205,331	616,427	78,812	2,609,525
2011	273,025	310,657	427,063	675	499,029	16,418	13,479	1,540,346	196,013	1,058,853	128,171	2,923,383
2010	239,617	290,724	417,044	9,500	462,794	10,294	15,790	1,445,763	238,084	618,794	161,119	2,463,760
2009	222,071	221,590	309,909	20,900	627,977	15,798	70,260	1,488,505	284,446	775,650	103,172	2,651,773
2008	269,289	212,421	402,718	50	669,524	9,188	21,789	1,584,979	188,515	627,426	82,936	2,483,856
2007	180,215	190,531	680,301	43,700	445,959	19,512	37,413	1,597,631	170,642	1,076,557	243,081	3,087,911
2006	247,265	234,737	499,801	2,160	444,410	6,883	13,435	1,448,691	140,587	808,508	304,093	2,701,879
2005	207,401	177,195	400,766	50,000	415,131	15,849	5,175	1,271,517	142,974	877,917	147,783	2,440,191
2004	215,586	203,586	458,680	26,000	622,100	13,228	69,595	1,608,775	135,373	726,999	79,389	2,550,536
2003	205,939	156,661	611,842	40,500	561,049	5,119	24,907	1,606,017	105,900	826,981	213,343	2,752,241
2002	217,145	160,873	504,708	8,100	710,260	7,396	16,873	1,625,355	99,875	675,453	260,849	2,661,532
2001	257,929	164,084	149,090	900	677,729	13,327	18,329	1,281,388	105,754	751,928	141,189	2,280,259
2000	270,730	199,493	295,540	13,050	599,292	9,801	11,860	1,399,766	137,535	1,057,042	145,219	2,739,562
1999	119,460	403,197	548,206	45,000	467,137	5,298	52,554	1,640,852	236,365	1,114,384	200,391	3,191,992
1997-98	190,985	339,552	331,863	1,200	482,290		44,947	1,390,837	103,522	1,058,685	356,531	2,909,575
1996-97	148,527	406,838	262,864	0	453,358		39,505	1,311,092	127,172	1,208,606	215,254	2,862,124
1995-96	167,524	414,829	263,996	20,800	403,318		66,445	1,336,912	93,054	835,565	154,519	2,420,050
1994-95	173,752	481,951	244,988	27,500	352,495		35,520	1,316,206	80,127	1,203,360	194,845	2,794,538
1993-94	164,334	312,855	224,200	1,800	272,487		41,916	1,017,592	84,874	1,015,169	188,878	2,306,513
1992-93	117,294	270,495	235,328	26,600	318,029		60,622	1,028,368	45,145	895,951	158,625	2,128,089
1991-92	136,950	558,756	276,329	0	305,861		47,624	1,325,520	87,885	908,373	85,881	2,407,659
1990-91	116,643	512,162	305,117	13,500	328,710		372,398	1,648,530	104,624	799,880	155,211	2,708,245
1989-90	101,840	375,283	136,091	11,000	216,034		329,779	1,170,027	38,686	661,302	90,830	1,960,845
1988-89	99,934	284,168	215,799	0	245,891		375,874	1,221,666	67,637	598,132	103,073	1,990,508
1987-88	65,512	147,322	306,735	0	272,050		224,470	1,016,089	46,217	735,922	90,626	1,888,854
1986-87	117,409	193,318	159,007	0	174,355		382,332	1,026,421	63,545	900,437	194,530	2,184,933
1985-86	68,792	180,824	189,360	0	36,534		307,919	783,429	96,591	837,611	92,727	1,810,358
1984-85	76,111	179,120	197,240	0	160,640		173,394	786,505	62,905	980,220	155,705	1,985,335
1983-84	39,779	143,382	260,650	0	91,450		51,775	587,036	43,038	905,538	140,697	1,676,309

<sup>1</sup> Mid-December Goose Surveys were discontinued after December, 1997.

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<sup>2</sup> Yearly totals from 1983-84 to 1997-98 reflect Mid-December counts (when available) for TGP, EPP, and WP/GP Canada geese, W-CF and M-C light geese, and W-F geese; totals for Hi-line and SGP populations reflect Mid-winter Survey data. Counts from these time periods were designated as official counts by respective Management Plans.

<sup>3</sup> Starting in 2014, SGP and TGP populations have been combined into one population: Central Flyway Arctic Nesting (CFAN) Canada Geese. For the MWS they will be split out by West Tier and East Tier segments.

# RESULTS OF 2015 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY<sup>1</sup>

January 2015 Mid-winter Waterfowl Survey

State	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	West Tier CFAN <sup>3</sup>	East Tier CFAN <sup>3</sup>	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
Montana	111,883	5,797						117,680				117,680
No. Dakota					119,006			119,006				119,006
So. Dakota			1,300	5,200	78,856			85,356				85,356
Wyoming	22,858	1,535				13,384		37,777	1			37,778
Nebraska	1,769		200		236,716			238,685	1	17	16	238,719
Colorado	95,574	36,102						131,676	61,283			192,959
Kansas			3,290	10,000	12,825		261,728	287,843		405,149	2,706	695,698
N. Mexico	6,760	19,054			8,443		661	26,475	69,373			95,848
Oklahoma			254,425					262,868		98,928	1,538	363,334
Texas		485,212	21,223					506,435	112,595	544,808	65,006	1,228,844

<sup>1</sup>In TX, CFAN based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

## Central Flyway Goose Population Survey Results<sup>2</sup>

Year	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	West Tier CFAN	East Tier CFAN	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
2015	238,844	547,700	280,438	15,200	455,846	13,384	262,389	1,813,801	243,253	1,048,902	69,266	3,175,222
2014	281,324	379,214	188,068	900	568,818	37,894	146,907	1,603,125	264,836	959,798	27,006	2,854,765
2013	341,302	256,268	263,271	2,375	768,818	23,617	37,831	1,693,482	225,936	1,125,582	48,187	3,093,187
2012	339,436	292,795	450,786	34,343	555,355	9,111	27,129	1,708,955	205,331	616,427	78,812	2,609,525
2011	273,025	310,657	427,063	675	499,029	16,418	13,479	1,540,346	196,013	1,058,853	128,171	2,923,383
2010	239,617	290,724	417,044	9,500	462,794	10,294	15,790	1,445,763	238,084	618,794	161,119	2,463,760
2009	222,071	221,590	309,909	20,900	627,977	15,798	70,260	1,488,505	284,446	775,650	103,172	2,651,773
2008	269,289	212,421	402,718	50	669,524	9,188	21,789	1,584,979	188,515	627,426	82,936	2,483,856
2007	180,215	190,531	680,301	43,700	445,959	19,512	37,413	1,597,631	170,642	1,076,557	243,081	3,087,911
2006	247,265	234,737	499,801	2,160	444,410	6,883	13,435	1,448,691	140,587	808,508	304,093	2,701,879
2005	207,401	177,195	400,766	50,000	415,131	15,849	5,175	1,271,517	142,974	877,917	147,783	2,440,191
2004	215,586	203,586	458,680	26,000	622,100	13,228	69,595	1,608,775	135,373	726,999	79,389	2,550,536
2003	205,939	156,661	611,842	40,500	561,049	5,119	24,907	1,606,017	105,900	826,981	213,343	2,752,241
2002	217,145	160,873	504,708	8,100	710,260	7,396	16,873	1,625,355	99,875	675,453	260,849	2,661,532
2001	257,929	164,084	149,090	900	677,729	13,327	18,329	1,281,388	105,754	751,928	141,189	2,280,259
2000	270,730	199,493	295,540	13,050	599,292	9,801	11,860	1,399,766	137,535	1,057,042	145,219	2,739,562
1999	119,460	403,197	548,206	45,000	467,137	5,298	52,554	1,640,852	236,365	1,114,384	200,391	3,191,992
1997-98	190,985	339,552	331,863	1,200	482,290		44,947	1,390,837	103,522	1,058,685	356,531	2,909,575
1996-97	148,527	406,838	262,864	0	453,358		39,505	1,311,092	127,172	1,208,606	215,254	2,862,124
1995-96	167,524	414,829	263,996	20,800	403,318		66,445	1,336,912	93,054	835,565	154,519	2,420,050
1994-95	173,752	481,951	244,988	27,500	352,495		35,520	1,316,206	80,127	1,203,360	194,845	2,794,538
1993-94	164,334	312,855	224,200	1,800	272,487		41,916	1,017,592	84,874	1,015,169	188,878	2,306,513
1992-93	117,294	270,495	235,328	26,600	318,029		60,622	1,028,368	45,145	895,951	158,625	1,128,089
1991-92	136,950	558,756	276,329	0	305,861		47,624	1,325,520	87,885	908,373	85,881	2,407,659
1990-91	116,643	512,162	305,117	13,500	328,710		372,398	1,648,530	104,624	799,880	155,211	2,708,245
1989-90	101,840	375,283	136,091	11,000	216,034		329,779	1,170,027	38,686	661,302	90,830	1,960,845
1988-89	99,934	284,168	215,799	0	245,891		375,874	1,221,666	67,637	598,132	103,073	1,990,508
1987-88	65,512	147,322	306,735	0	272,050		224,470	1,016,089	46,217	735,922	90,626	1,888,854
1986-87	117,409	193,318	159,007	0	174,355		382,332	1,026,421	63,545	900,437	194,530	2,184,933
1985-86	68,792	180,824	189,360	0	36,534		307,919	783,429	96,591	837,611	92,727	1,810,358
1984-85	76,111	179,120	197,240	0	160,640		173,394	786,505	62,905	980,220	155,705	1,985,335
1983-84	39,779	143,382	260,650	0	91,450		51,775	587,036	43,038	905,538	140,697	1,676,309

<sup>1</sup> Mid-December Goose Surveys were discontinued after December, 1997.

<sup>2</sup> Yearly totals from 1983-84 to 1997-98 reflect Mid-December counts (when available) for TGP, EPP, and WP/GP Canada geese, W-CF and M-C light geese, and W-F geese; totals for Hi-line and SGP populations reflect Mid-winter Survey data. Counts from these time periods were designated as official counts by respective Management Plans.

<sup>3</sup> Starting in 2014, SGP and TGP populations have been combined into one population: Central Flyway Arctic Nesting (CFAN) Canada Geese. For the MWS they will be split out by West Tier and East Tier segments.

## RESULTS OF 2014 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY<sup>1</sup>

January 2014 Mid-winter Waterfowl Survey

State	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	West Tier CFAN <sup>3</sup>	East Tier CFAN <sup>3</sup>	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
Montana	72,995	3,475						76,470				76,470
No. Dakota					52,771			52,771				52,771
So. Dakota			2,028	900	138,236		1	141,165		6		141,171
Wyoming	79,259	8,318				37,894		125,471	254			125,725
Nebraska	5,308		3,889		339,820			349,017	7	38	18	349,080
Colorado	115,597	51,908						167,505	57,085		1	224,591
Kansas			16,787		31,342		146,737	194,866		520,876	3,311	719,053
N. Mexico	8,165	12,822					169	21,156	83,140			104,296
Oklahoma		8,600	159,090		6,649			174,339		133,285	5,262	312,886
Texas		294,091	6,274					300,365	124,350	305,593	18,414	748,722

<sup>1</sup>In TX, CFAN based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

### Central Flyway Goose Population Survey Results<sup>2</sup>

Year	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	West Tier CFAN	East Tier CFAN	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
2014	281,324	379,214	188,068	900	568,818	37,894	146,907	1,603,125	264,836	959,798	27,006	2,854,765
2013	341,302	256,268	263,271	2,375	768,818	23,617	37,831	1,693,482	225,936	1,125,582	48,187	3,093,187
2012	339,436	292,795	450,786	34,343	555,355	9,111	27,129	1,708,955	205,331	616,427	78,812	2,609,525
2011	273,025	310,657	427,063	675	499,029	16,418	13,479	1,540,346	196,013	1,058,853	128,171	2,923,383
2010	239,617	290,724	417,044	9,500	462,794	10,294	15,790	1,445,763	238,084	618,794	161,119	2,463,760
2009	222,071	221,590	309,909	20,900	627,977	15,798	70,260	1,488,505	284,446	775,650	103,172	2,651,773
2008	269,289	212,421	402,718	50	669,524	9,188	21,789	1,584,979	188,515	627,426	82,936	2,483,856
2007	180,215	190,531	680,301	43,700	445,959	19,512	37,413	1,597,631	170,642	1,076,557	243,081	3,087,911
2006	247,265	234,737	499,801	2,160	444,410	6,883	13,435	1,448,691	140,587	808,508	304,093	2,701,879
2005	207,401	177,195	400,766	50,000	415,131	15,849	5,175	1,271,517	142,974	877,917	147,783	2,440,191
2004	215,586	203,586	458,680	26,000	622,100	13,228	69,595	1,608,775	135,373	726,999	79,389	2,550,536
2003	205,939	156,661	611,842	40,500	561,049	5,119	24,907	1,606,017	105,900	826,981	213,343	2,752,241
2002	217,145	160,873	504,708	8,100	710,260	7,396	16,873	1,625,355	99,875	675,453	260,849	2,661,532
2001	257,929	164,084	149,090	900	677,729	13,327	18,329	1,281,388	105,754	751,928	141,189	2,280,259
2000	270,730	199,493	295,540	13,050	599,292	9,801	11,860	1,399,766	137,535	1,057,042	145,219	2,739,562
1999	119,460	403,197	548,206	45,000	467,137	5,298	52,554	1,640,852	236,365	1,114,384	200,391	3,191,992
1997-98	190,985	339,552	331,863	1,200	482,290		44,947	1,390,837	103,522	1,058,685	356,531	2,909,575
1996-97	148,527	406,838	262,864	0	453,358		39,505	1,311,092	127,172	1,208,606	215,254	2,862,124
1995-96	167,524	414,829	263,996	20,800	403,318		66,445	1,336,912	93,054	835,565	154,519	2,420,050
1994-95	173,752	481,951	244,988	27,500	352,495		35,520	1,316,206	80,127	1,203,360	194,845	2,794,538
1993-94	164,334	312,855	224,200	1,800	272,487		41,916	1,017,592	84,874	1,015,169	188,878	2,306,513
1992-93	117,294	270,495	235,328	26,600	318,029		60,622	1,028,368	45,145	895,951	158,625	2,128,089
1991-92	136,950	558,756	276,329	0	305,861		47,624	1,325,520	87,885	908,373	85,881	2,407,659
1990-91	116,643	512,162	305,117	13,500	328,710		372,398	1,648,530	104,624	799,880	155,211	2,708,245
1989-90	101,840	375,283	136,091	11,000	216,034		329,779	1,170,027	38,686	661,302	90,830	1,960,845
1988-89	99,934	284,168	215,799	0	245,891		375,874	1,221,666	67,637	598,132	103,073	1,990,508
1987-88	65,512	147,322	306,735	0	272,050		224,470	1,016,089	46,217	735,922	90,626	1,888,854
1986-87	117,409	193,318	159,007	0	174,355		382,332	1,026,421	63,545	900,437	194,530	2,184,933
1985-86	68,792	180,824	189,360	0	36,534		307,919	783,429	96,591	837,611	92,727	1,810,358
1984-85	76,111	179,120	197,240	0	160,640		173,394	786,505	62,905	980,220	155,705	1,985,335
1983-84	39,779	143,382	260,650	0	91,450		51,775	587,036	43,038	905,538	140,697	1,676,309

<sup>1</sup> Mid-December Goose Surveys were discontinued after December, 1997.

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<sup>2</sup> Yearly totals from 1983-84 to 1997-98 reflect Mid-December counts (when available) for TGP, EPP, and WP/GP Canada geese, W-CF and M-C light geese, and W-F geese; totals for Hi-line and SGP populations reflect Mid-winter Survey data. Counts from these time periods were designated as official counts by respective Management Plans.

<sup>3</sup> Starting in 2014, SGP and TGP populations have been combined into one population: Central Flyway Arctic Nesting (CFAN) Canada Geese. For the MWS they will be split out by West Tier and East Tier segments.

# RESULTS OF 2013 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY<sup>1</sup>

January 2013 Mid-winter Waterfowl Survey

State	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
Montana	133,000	6,980						139,980				139,980
No. Dakota					127,212			127,212				127,212
So. Dakota			92,740	2,375	321,664			416,779		80		416,859
Wyoming	47,799	4,440						75,856				75,856
Nebraska	4,349		269		275,705			280,323	18	6,754	70	287,165
Colorado	149,115	95,779						244,894	87,891		1	332,786
Kansas			42,894		39,664		36,022	118,580		661,928	5,825	786,333
N. Mexico	7,039	14,922					1,809	23,770	79,205			102,975
Oklahoma			113,168		4,573			117,741		60,907	1,853	180,501
Texas		134,147	14,200					148,347	58,822	395,913	40,438	643,520

<sup>1</sup>In TX, SGP and TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

## Central Flyway Goose Population Survey Results<sup>2</sup>

Year	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
2013	341,302	256,268	263,271	2,375	768,818	23,617	37,831	1,693,482	225,936	1,125,582	48,187	3,093,187
2012	339,436	292,795	450,786	34,343	555,355	9,111	27,129	1,708,955	205,331	616,427	78,812	2,609,525
2011	273,025	310,657	427,063	675	499,029	16,418	13,479	1,540,346	196,013	1,058,853	128,171	2,923,383
2010	239,617	290,724	417,044	9,500	462,794	10,294	15,790	1,445,763	238,084	618,794	161,119	2,463,760
2009	222,071	221,590	309,909	20,900	627,977	15,798	70,260	1,488,505	284,446	775,650	103,172	2,651,773
2008	269,289	212,421	402,718	50	669,524	9,188	21,789	1,584,979	188,515	627,426	82,936	2,483,856
2007	180,215	190,531	680,301	43,700	445,959	19,512	37,413	1,597,631	170,642	1,076,557	243,081	3,087,911
2006	247,265	234,737	499,801	2,160	444,410	6,883	13,435	1,448,691	140,587	808,508	304,093	2,701,879
2005	207,401	177,195	400,766	50,000	415,131	15,849	5,175	1,271,517	142,974	877,917	147,783	2,440,191
2004	215,586	203,586	458,680	26,000	622,100	13,228	69,595	1,608,775	135,373	726,999	79,389	2,550,536
2003	205,939	156,661	611,842	40,500	561,049	5,119	24,907	1,606,017	105,900	826,981	213,343	2,752,241
2002	217,145	160,873	504,708	8,100	710,260	7,396	16,873	1,625,355	99,875	675,453	260,849	2,661,532
2001	257,929	164,084	149,090	900	677,729	13,327	18,329	1,281,388	105,754	751,928	141,189	2,280,259
2000	270,730	199,493	295,540	13,050	599,292	9,801	11,860	1,399,766	137,535	1,057,042	145,219	2,739,562
1999	119,460	403,197	548,206	45,000	467,137	5,298	52,554	1,640,852	236,365	1,114,384	200,391	3,191,992
1997-98	190,985	339,552	331,863	1,200	482,290		44,947	1,390,837	103,522	1,058,685	356,531	2,909,575
1996-97	148,527	406,838	262,864	0	453,358		39,505	1,311,092	127,172	1,208,606	215,254	2,862,124
1995-96	167,524	414,829	263,996	20,800	403,318		66,445	1,336,912	93,054	835,565	154,519	2,420,050
1994-95	173,752	481,951	244,988	27,500	352,495		35,520	1,316,206	80,127	1,203,360	194,845	2,794,538
1993-94	164,334	312,855	224,200	1,800	272,487		41,916	1,017,592	84,874	1,015,169	188,878	2,306,513
1992-93	117,294	270,495	235,328	26,600	318,029		60,622	1,028,368	45,145	895,951	158,625	2,128,089
1991-92	136,950	558,756	276,329	0	305,861		47,624	1,325,520	87,885	908,373	85,881	2,407,659
1990-91	116,643	512,162	305,117	13,500	328,710		372,398	1,648,530	104,624	799,880	155,211	2,708,245
1989-90	101,840	375,283	136,091	11,000	216,034		329,779	1,170,027	38,686	661,302	90,830	1,960,845
1988-89	99,934	284,168	215,799	0	245,891		375,874	1,221,666	67,637	598,132	103,073	1,990,508
1987-88	65,512	147,322	306,735	0	272,050		224,470	1,016,089	46,217	735,922	90,626	1,888,854
1986-87	117,409	193,318	159,007	0	174,355		382,332	1,026,421	63,545	900,437	194,530	2,184,933
1985-86	68,792	180,824	189,360	0	36,534		307,919	783,429	96,591	837,611	92,727	1,810,358
1984-85	76,111	179,120	197,240	0	160,640		173,394	786,505	62,905	980,220	155,705	1,985,335
1983-84	39,779	143,382	260,650	0	91,450		51,775	587,036	43,038	905,538	140,697	1,676,309

<sup>1</sup> Mid-December Goose Surveys were discontinued after December, 1997.

<sup>2</sup> Yearly totals from 1983-84 to 1997-98 reflect Mid-December counts (when available) for TGP, EPP, and WP/GP Canada geese, W-CF and M-C light geese, and W-F geese; totals for Hi-line and SGP populations reflect Mid-winter Survey data. Counts from these time periods were designated as official counts by respective Management Plans.



# RESULTS OF 2012 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY<sup>1</sup>

January 2012 Mid-winter Waterfowl Survey

State	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
Montana	161,700	8,510						170,210	17			170,227
No. Dakota			19,387		170,410		400	190,197		19		190,216
So. Dakota			101,575	30,588	174,462			306,625		1,896		308,521
Wyoming	38,762	3,738				9,111		51,611	17			51,628
Nebraska	1,623	1,200	4,441		177,757			185,021	33	30,093	35	215,182
Colorado	131,080	93,968						225,048	51,409			276,457
Kansas			7,952	3,755	27,173		26,505	65,385		183,161	9,910	258,456
N. Mexico	6,271	15,671					224	22,166	65,650			87,816
Oklahoma			250,110		5,553			255,663		106,920	1,523	364,106
Texas		169,708	67,321					237,029	88,205	294,338	67,344	686,916

<sup>1</sup>In TX, SGP and TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

## Central Flyway Goose Population Survey Results<sup>2</sup>

Year	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
2012	339,436	292,795	450,786	34,343	555,355	9,111	27,129	1,708,955	205,331	616,427	78,812	2,609,525
2011	273,025	310,657	427,063	675	499,029	16,418	13,479	1,540,346	196,013	1,058,853	128,171	2,923,383
2010	239,617	290,724	417,044	9,500	462,794	10,294	15,790	1,445,763	238,084	618,794	161,119	2,463,760
2009	222,071	221,590	309,909	20,900	627,977	15,798	70,260	1,488,505	284,446	775,650	103,172	2,651,773
2008	269,289	212,421	402,718	50	669,524	9,188	21,789	1,584,979	188,515	627,426	82,936	2,483,856
2007	180,215	190,531	680,301	43,700	445,959	19,512	37,413	1,597,631	170,642	1,076,557	243,081	3,087,911
2006	247,265	234,737	499,801	2,160	444,410	6,883	13,435	1,448,691	140,587	808,508	304,093	2,701,879
2005	207,401	177,195	400,766	50,000	415,131	15,849	5,175	1,271,517	142,974	877,917	147,783	2,440,191
2004	215,586	203,586	458,680	26,000	622,100	13,228	69,595	1,608,775	135,373	726,999	79,389	2,550,536
2003	205,939	156,661	611,842	40,500	561,049	5,119	24,907	1,606,017	105,900	826,981	213,343	2,752,241
2002	217,145	160,873	504,708	8,100	710,260	7,396	16,873	1,625,355	99,875	675,453	260,849	2,661,532
2001	257,929	164,084	149,090	900	677,729	13,327	18,329	1,281,388	105,754	751,928	141,189	2,280,259
2000	270,730	199,493	295,540	13,050	599,292	9,801	11,860	1,399,766	137,535	1,057,042	145,219	2,739,562
1999	119,460	403,197	548,206	45,000	467,137	5,298	52,554	1,640,852	236,365	1,114,384	200,391	3,191,992
1997-98	190,985	339,552	331,863	1,200	482,290		44,947	1,390,837	103,522	1,058,685	356,531	2,909,575
1996-97	148,527	406,838	262,864	0	453,358		39,505	1,311,092	127,172	1,208,606	215,254	2,862,124
1995-96	167,524	414,829	263,996	20,800	403,318		66,445	1,336,912	93,054	835,565	154,519	2,420,050
1994-95	173,752	481,951	244,988	27,500	352,495		35,520	1,316,206	80,127	1,203,360	194,845	2,794,538
1993-94	164,334	312,855	224,200	1,800	272,487		41,916	1,017,592	84,874	1,015,169	188,878	2,306,513
1992-93	117,294	270,495	235,328	26,600	318,029		60,622	1,028,368	45,145	895,951	158,625	2,128,089
1991-92	136,950	558,756	276,329	0	305,861		47,624	1,325,520	87,885	908,373	85,881	2,407,659
1990-91	116,643	512,162	305,117	13,500	328,710		372,398	1,648,530	104,624	799,880	155,211	2,708,245
1989-90	101,840	375,283	136,091	11,000	216,034		329,779	1,170,027	38,686	661,302	90,830	1,960,845
1988-89	99,934	284,168	215,799	0	245,891		375,874	1,221,666	67,637	598,132	103,073	1,990,508
1987-88	65,512	147,322	306,735	0	272,050		224,470	1,016,089	46,217	735,922	90,626	1,888,854
1986-87	117,409	193,318	159,007	0	174,355		382,332	1,026,421	63,545	900,437	194,530	2,184,933
1985-86	68,792	180,824	189,360	0	36,534		307,919	783,429	96,591	837,611	92,727	1,810,358
1984-85	76,111	179,120	197,240	0	160,640		173,394	786,505	62,905	980,220	155,705	1,985,335
1983-84	39,779	143,382	260,650	0	91,450		51,775	587,036	43,038	905,538	140,697	1,676,309

<sup>1</sup> Mid-December Goose Surveys were discontinued after December, 1997.

<sup>2</sup> Yearly totals from 1983-84 to 1997-98 reflect Mid-December counts (when available) for TGP, EPP, and WP/GP Canada geese, W-CF and M-C light geese, and W-F geese; totals for Hi-line and SGP populations reflect Mid-winter Survey data. Counts from these time periods were designated as official counts by respective Management Plans.

# RESULTS OF 2011 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY<sup>1</sup>

January 2011 Mid-winter Waterfowl Survey

State	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
Montana	67,335	3,250						70,585				70,585
No. Dakota					7,319			7,319				7,319
So. Dakota		4,100		675	93,289			98,064		12		98,076
Wyoming	69,375	5,708				16,418		91,501	6			91,507
Nebraska	4,202	405	3,455		304,312			312,374		9	32	312,415
Colorado	126,851	69,656						196,507	59,768			256,275
Kansas		3,084	37,808		87,213		13,083	141,188		229,937	4,168	375,293
N. Mexico	5,262	14,124					396	19,782	42,874		10	62,666
Oklahoma		800	317,073		6,896			324,769		169,272	10,700	504,741
Texas		209,530	68,727					278,257	93,365	659,623	113,261	1,144,506

<sup>1</sup>In TX, SGP and TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

## Central Flyway Goose Population Survey Results<sup>2</sup>

Year	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
2011	273,025	310,657	427,063	675	499,029	16,418	13,479	1,540,346	196,013	1,058,853	128,171	2,923,383
2010	239,617	290,724	417,044	9,500	462,794	10,294	15,790	1,445,763	238,084	618,794	161,119	2,463,760
2009	222,071	221,590	309,909	20,900	627,977	15,798	70,260	1,488,505	284,446	775,650	103,172	2,651,773
2008	269,289	212,421	402,718	50	669,524	9,188	21,789	1,584,979	188,515	627,426	82,936	2,483,856
2007	180,215	190,531	680,301	43,700	445,959	19,512	37,413	1,597,631	170,642	1,076,557	243,081	3,087,911
2006	247,265	234,737	499,801	2,160	444,410	6,883	13,435	1,448,691	140,587	808,508	304,093	2,701,879
2005	207,401	177,195	400,766	50,000	415,131	15,849	5,175	1,271,517	142,974	877,917	147,783	2,440,191
2004	215,586	203,586	458,680	26,000	622,100	13,228	69,595	1,608,775	135,373	726,999	79,389	2,550,536
2003	205,939	156,661	611,842	40,500	561,049	5,119	24,907	1,606,017	105,900	826,981	213,343	2,752,241
2002	217,145	160,873	504,708	8,100	710,260	7,396	16,873	1,625,355	99,875	675,453	260,849	2,661,532
2001	257,929	164,084	149,090	900	677,729	13,327	18,329	1,281,388	105,754	751,928	141,189	2,280,259
2000	270,730	199,493	295,540	13,050	599,292	9,801	11,860	1,399,766	137,535	1,057,042	145,219	2,739,562
1999	119,460	403,197	548,206	45,000	467,137	5,298	52,554	1,640,852	236,365	1,114,384	200,391	3,191,992
1997-98	190,985	339,552	331,863	1,200	482,290		44,947	1,390,837	103,522	1,058,685	356,531	2,909,575
1996-97	148,527	406,838	262,864	0	453,358		39,505	1,311,092	127,172	1,208,606	215,254	2,862,124
1995-96	167,524	414,829	263,996	20,800	403,318		66,445	1,336,912	93,054	835,565	154,519	2,420,050
1994-95	173,752	481,951	244,988	27,500	352,495		35,520	1,316,206	80,127	1,203,360	194,845	2,794,538
1993-94	164,334	312,855	224,200	1,800	272,487		41,916	1,017,592	84,874	1,015,169	188,878	2,306,513
1992-93	117,294	270,495	235,328	26,600	318,029		60,622	1,028,368	45,145	895,951	158,625	2,128,089
1991-92	136,950	558,756	276,329	0	305,861		47,624	1,325,520	87,885	908,373	85,881	2,407,659
1990-91	116,643	512,162	305,117	13,500	328,710		372,398	1,648,530	104,624	799,880	155,211	2,708,245
1989-90	101,840	375,283	136,091	11,000	216,034		329,779	1,170,027	38,686	661,302	90,830	1,960,845
1988-89	99,934	284,168	215,799	0	245,891		375,874	1,221,666	67,637	598,132	103,073	1,990,508
1987-88	65,512	147,322	306,735	0	272,050		224,470	1,016,089	46,217	735,922	90,626	1,888,854
1986-87	117,409	193,318	159,007	0	174,355		382,332	1,026,421	63,545	900,437	194,530	2,184,933
1985-86	68,792	180,824	189,360	0	36,534		307,919	783,429	96,591	837,611	92,727	1,810,358
1984-85	76,111	179,120	197,240	0	160,640		173,394	786,505	62,905	980,220	155,705	1,985,335
1983-84	39,779	143,382	260,650	0	91,450		51,775	587,036	43,038	905,538	140,697	1,676,309

<sup>1</sup> Mid-December Goose Surveys were discontinued after December, 1997.

<sup>2</sup> Yearly totals from 1983-84 to 1997-98 reflect Mid-December counts (when available) for TGP, EPP, and WP/GP Canada geese, W-CF and M-C light geese, and W-F geese; totals for Hi-line and SGP populations reflect Mid-winter Survey data. Counts from these time periods were designated as official counts by respective Management Plans.

# RESULTS OF 2010 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY<sup>1</sup>

## January 2010 Mid-winter Waterfowl Survey

State	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
Montana	62,456	3,000						65,456				65,456
No. Dakota							25,617	25,617				25,617
So. Dakota		1,000	343	9,500	66,070			76,913				76,913
Wyoming	42,478	1,770						54,542	3			54,545
Nebraska	3,340	573	2,178				237,251	243,342		7		243,349
Colorado	126,373	47,343						173,716	101,652		1	275,369
Kansas		1,443	36,052		111,325			163,309		112,217	46,118	321,644
N. Mexico	4,970	22,737					1,301	29,008	57,589			86,597
Oklahoma		5,200	291,751		22,531			319,482		61,677	18,383	399,542
Texas		207,658	86,720					294,378	78,840	444,893	96,617	914,728

<sup>1</sup>In TX, SGP and TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

### Central Flyway Goose Population Survey Results<sup>2</sup>

Year	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
2010	239,617	290,724	417,044	9,500	462,794	10,294	15,790	1,445,763	238,084	618,794	161,119	2,463,760
2009	222,071	221,590	309,909	20,900	627,977	15,798	70,260	1,488,505	284,446	775,650	103,172	2,651,773
2008	269,289	212,421	402,718	50	669,524	9,188	21,789	1,584,979	188,515	627,426	82,936	2,483,856
2007	180,215	190,531	680,301	43,700	445,959	19,512	37,413	1,597,631	170,642	1,076,557	243,081	3,087,911
2006	247,265	234,737	499,801	2,160	444,410	6,883	13,435	1,448,691	140,587	808,508	304,093	2,701,879
2005	207,401	177,195	400,766	50,000	415,131	15,849	5,175	1,271,517	142,974	877,917	147,783	2,440,191
2004	215,586	203,586	458,680	26,000	622,100	13,228	69,595	1,608,775	135,373	726,999	79,389	2,550,536
2003	205,939	156,661	611,842	40,500	561,049	5,119	24,907	1,606,017	105,900	826,981	213,343	2,752,241
2002	217,145	160,873	504,708	8,100	710,260	7,396	16,873	1,625,355	99,875	675,453	260,849	2,661,532
2001	257,929	164,084	149,090	900	677,729	13,327	18,329	1,281,388	105,754	751,928	141,189	2,280,259
2000	270,730	199,493	295,540	13,050	599,292	9,801	11,860	1,399,766	137,535	1,057,042	145,219	2,739,562
1999	119,460	403,197	548,206	45,000	467,137	5,298	52,554	1,640,852	236,365	1,114,384	200,391	3,191,992
1997-98	190,985	339,552	331,863	1,200	482,290		44,947	1,390,837	103,522	1,058,685	356,531	2,909,575
1996-97	148,527	406,838	262,864	0	453,358		39,505	1,311,092	127,172	1,208,606	215,254	2,862,124
1995-96	167,524	414,829	263,996	20,800	403,318		66,445	1,336,912	93,054	835,565	154,519	2,420,050
1994-95	173,752	481,951	244,988	27,500	352,495		35,520	1,316,206	80,127	1,203,360	194,845	2,794,538
1993-94	164,334	312,855	224,200	1,800	272,487		41,916	1,017,592	84,874	1,015,169	188,878	2,306,513
1992-93	117,294	270,495	235,328	26,600	318,029		60,622	1,028,368	45,145	895,951	158,625	2,128,089
1991-92	136,950	558,756	276,329	0	305,861		47,624	1,325,520	87,885	908,373	85,881	2,407,659
1990-91	116,643	512,162	305,117	13,500	328,710		372,398	1,648,530	104,624	799,880	155,211	2,708,245
1989-90	101,840	375,283	136,091	11,000	216,034		329,779	1,170,027	38,686	661,302	90,830	1,960,845
1988-89	99,934	284,168	215,799	0	245,891		375,874	1,221,666	67,637	598,132	103,073	1,990,508
1987-88	65,512	147,322	306,735	0	272,050		224,470	1,016,089	46,217	735,922	90,626	1,888,854
1986-87	117,409	193,318	159,007	0	174,355		382,332	1,026,421	63,545	900,437	194,530	2,184,933
1985-86	68,792	180,824	189,360	0	36,534		307,919	783,429	96,591	837,611	92,727	1,810,358
1984-85	76,111	179,120	197,240	0	160,640		173,394	786,505	62,905	980,220	155,705	1,985,335
1983-84	39,779	143,382	260,650	0	91,450		51,775	587,036	43,038	905,538	140,697	1,676,309

<sup>1</sup> Mid-December Goose Surveys were discontinued after December, 1997.

<sup>2</sup> Yearly totals from 1983-84 to 1997-98 reflect Mid-December counts (when available) for TGP, EPP, and WP/GP Canada geese, W-CF and M-C light geese, and W-F geese; totals for Hi-line and SGP populations reflect Mid-winter Survey data. Counts from these time periods were designated as official counts by respective Management Plans.

# RESULTS OF 2009 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY<sup>1</sup>

January 2009 Mid-winter Waterfowl Survey

State	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
Montana	59,765	2,860						62,625				62,625
No. Dakota							9,726	9,726				9,726
So. Dakota		3,300	5,410	18,500	171,355			198,565		8		198,573
Wyoming	42,157	4,169				15,798		62,124	4			62,128
Nebraska	5,491	115	2,722		314,826			323,154		24	33	323,211
Colorado	108,462	66,949						175,411	154,736		1	330,148
Kansas		5,501	65,470	2,400	114,273		68,651	256,295		366,701	63,273	686,269
N. Mexico	6,196	21,749					1,609	29,554	55,038		8	84,600
Oklahoma			201,540		17,797			219,337		45,202	3,567	268,106
Texas		116,947	34,767					151,714	74,668	363,715	36,290	626,387

<sup>1</sup>In TX, SGP and TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

## Central Flyway Goose Population Survey Results<sup>2</sup>

Year	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
2009	222,071	221,590	309,909	20,900	627,977	15,798	70,260	1,488,505	284,446	775,650	103,172	2,651,773
2008	269,289	212,421	402,718	50	669,524	9,188	21,789	1,584,979	188,515	627,426	82,936	2,483,856
2007	180,215	190,531	680,301	43,700	445,959	19,512	37,413	1,597,631	170,642	1,076,557	243,081	3,087,911
2006	247,265	234,737	499,801	2,160	444,410	6,883	13,435	1,448,691	140,587	808,508	304,093	2,701,879
2005	207,401	177,195	400,766	50,000	415,131	15,849	5,175	1,271,517	142,974	877,917	147,783	2,440,191
2004	215,586	203,586	458,680	26,000	622,100	13,228	69,595	1,608,775	135,373	726,999	79,389	2,550,536
2003	205,939	156,661	611,842	40,500	561,049	5,119	24,907	1,606,017	105,900	826,981	213,343	2,752,241
2002	217,145	160,873	504,708	8,100	710,260	7,396	16,873	1,625,355	99,875	675,453	260,849	2,661,532
2001	257,929	164,084	149,090	900	677,729	13,327	18,329	1,281,388	105,754	751,928	141,189	2,280,259
2000	270,730	199,493	295,540	13,050	599,292	9,801	11,860	1,399,766	137,535	1,057,042	145,219	2,739,562
1999	119,460	403,197	548,206	45,000	467,137	5,298	52,554	1,640,852	236,365	1,114,384	200,391	3,191,992
1997-98	190,985	339,552	331,863	1,200	482,290		44,947	1,390,837	103,522	1,058,685	356,531	2,909,575
1996-97	148,527	406,838	262,864	0	453,358		39,505	1,311,092	127,172	1,208,606	215,254	2,862,124
1995-96	167,524	414,829	263,996	20,800	403,318		66,445	1,336,912	93,054	835,565	154,519	2,420,050
1994-95	173,752	481,951	244,988	27,500	352,495		35,520	1,316,206	80,127	1,203,360	194,845	2,794,538
1993-94	164,334	312,855	224,200	1,800	272,487		41,916	1,017,592	84,874	1,015,169	188,878	2,306,513
1992-93	117,294	270,495	235,328	26,600	318,029		60,622	1,028,368	45,145	895,951	158,625	2,128,089
1991-92	136,950	558,756	276,329	0	305,861		47,624	1,325,520	87,885	908,373	85,881	2,407,659
1990-91	116,643	512,162	305,117	13,500	328,710		372,398	1,648,530	104,624	799,880	155,211	2,708,245
1989-90	101,840	375,283	136,091	11,000	216,034		329,779	1,170,027	38,686	661,302	90,830	1,960,845
1988-89	99,934	284,168	215,799	0	245,891		375,874	1,221,666	67,637	598,132	103,073	1,990,508
1987-88	65,512	147,322	306,735	0	272,050		224,470	1,016,089	46,217	735,922	90,626	1,888,854
1986-87	117,409	193,318	159,007	0	174,355		382,332	1,026,421	63,545	900,437	194,530	2,184,933
1985-86	68,792	180,824	189,360	0	36,534		307,919	783,429	96,591	837,611	92,727	1,810,358
1984-85	76,111	179,120	197,240	0	160,640		173,394	786,505	62,905	980,220	155,705	1,985,335
1983-84	39,779	143,382	260,650	0	91,450		51,775	587,036	43,038	905,538	140,697	1,676,309

<sup>1</sup> Mid-December Goose Surveys were discontinued after December, 1997.

<sup>2</sup> Yearly totals from 1983-84 to 1997-98 reflect Mid-December counts (when available) for TGP, EPP, and WP/GP Canada geese, W-CF and M-C light geese, and W-F geese; totals for Hi-line and SGP populations reflect Mid-winter Survey data. Counts from these time periods were designated as official counts by respective Management Plans.

# RESULTS OF 2008 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY<sup>1</sup>

January 2008 Mid-winter Waterfowl Survey

State	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
Montana	184,555	7,640						192,195				192,195
No. Dakota					174,853		7	174,860				174,860
So. Dakota		950	31,430	50	82,575			115,005		505	1	115,511
Wyoming	9,876	606						19,670	2			19,672
Nebraska	1,698		2,671		151,633			156,002		82		156,084
Colorado	68,010	60,242						128,252	35,775			164,027
Kansas		122	29,618		248,128		20,360	298,228		266,512	38,031	602,771
N. Mexico	5,150	21,734					1,422	28,306	57,340		7	85,653
Oklahoma			215,201		12,335			227,536		48,801	6,119	282,456
Texas		121,127	123,798					244,925	95,398	311,526	38,778	690,627

<sup>1</sup>In TX, SGP and TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

## Central Flyway Goose Population Survey Results<sup>2</sup>

Year	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
2008	269,289	212,421	402,718	50	669,524	9,188	21,789	1,584,979	188,515	627,426	82,936	2,483,856
2007	180,215	190,531	680,301	43,700	445,959	19,512	37,413	1,597,631	170,642	1,076,557	243,081	3,087,911
2006	247,265	234,737	499,801	2,160	444,410	6,883	13,435	1,448,691	140,587	808,508	304,093	2,701,879
2005	207,401	177,195	400,766	50,000	415,131	15,849	5,175	1,271,517	142,974	877,917	147,783	2,440,191
2004	215,586	203,586	458,680	26,000	622,100	13,228	69,595	1,608,775	135,373	726,999	79,389	2,550,536
2003	205,939	156,661	611,842	40,500	561,049	5,119	24,907	1,606,017	105,900	826,981	213,343	2,752,241
2002	217,145	160,873	504,708	8,100	710,260	7,396	16,873	1,625,355	99,875	675,453	260,849	2,661,532
2001	257,929	164,084	149,090	900	677,729	13,327	18,329	1,281,388	105,754	751,928	141,189	2,280,259
2000	270,730	199,493	295,540	13,050	599,292	9,801	11,860	1,399,766	137,535	1,057,042	145,219	2,739,562
1999	119,460	403,197	548,206	45,000	467,137	5,298	52,554	1,640,852	236,365	1,114,384	200,391	3,191,992
1997-98	190,985	339,552	331,863	1,200	482,290		44,947	1,390,837	103,522	1,058,685	356,531	2,909,575
1996-97	148,527	406,838	262,864	0	453,358		39,505	1,311,092	127,172	1,208,606	215,254	2,862,124
1995-96	167,524	414,829	263,996	20,800	403,318		66,445	1,336,912	93,054	835,565	154,519	2,420,050
1994-95	173,752	481,951	244,988	27,500	352,495		35,520	1,316,206	80,127	1,203,360	194,845	2,794,538
1993-94	164,334	312,855	224,200	1,800	272,487		41,916	1,017,592	84,874	1,015,169	188,878	2,306,513
1992-93	117,294	270,495	235,328	26,600	318,029		60,622	1,028,368	45,145	895,951	158,625	2,128,089
1991-92	136,950	558,756	276,329	0	305,861		47,624	1,325,520	87,885	908,373	85,881	2,407,659
1990-91	116,643	512,162	305,117	13,500	328,710		372,398	1,648,530	104,624	799,880	155,211	2,708,245
1989-90	101,840	375,283	136,091	11,000	216,034		329,779	1,170,027	38,686	661,302	90,830	1,960,845
1988-89	99,934	284,168	215,799	0	245,891		375,874	1,221,666	67,637	598,132	103,073	1,990,508
1987-88	65,512	147,322	306,735	0	272,050		224,470	1,016,089	46,217	735,922	90,626	1,888,854
1986-87	117,409	193,318	159,007	0	174,355		382,332	1,026,421	63,545	900,437	194,530	2,184,933
1985-86	68,792	180,824	189,360	0	36,534		307,919	783,429	96,591	837,611	92,727	1,810,358
1984-85	76,111	179,120	197,240	0	160,640		173,394	786,505	62,905	980,220	155,705	1,985,335
1983-84	39,779	143,382	260,650	0	91,450		51,775	587,036	43,038	905,538	140,697	1,676,309

<sup>1</sup> Mid-December Goose Surveys were discontinued after December, 1997.

<sup>2</sup> Yearly totals from 1983-84 to 1997-98 reflect Mid-December counts (when available) for TGP, EPP, and WP/GP Canada geese, W-CF and M-C light geese, and W-F geese; totals for Hi-line and SGP populations reflect Mid-winter Survey data. Counts from these time periods were designated as official counts by respective Management Plans.

# RESULTS OF 2007 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY<sup>1</sup>

January 2007 Mid-winter Waterfowl Survey

State	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
Montana	75,000	2,400						77,400				77,400
No. Dakota			1,536		107,469			109,005				109,005
So. Dakota		2,348	34,700	43,700	122,349			203,097		590		203,687
Wyoming	15,418	1,054				19,512		35,984	1			35,985
Nebraska	716	1,600	4,968		142,714			149,998	454	2,013	7	152,472
Colorado	85,323	51,631						136,954	11,321		4	148,279
Kansas		825	317,622		66,180		35,991	420,618		453,839	138,867	1,013,324
N. Mexico	3,758	21,617					1,422	26,797	48,234		23	75,054
Oklahoma		9,150	150,668		7,247			167,065		30,994	1,780	199,839
Texas <sup>3</sup>		99,906	170,807					270,713	110,632	589,121	102,400	1,072,866

<sup>1</sup>In TX, SGP and TGP based on cruise surveys. Traditional Mid Dec. coastal cruise count completed for MC Light/WFG geese.

## Central Flyway Goose Population Survey Results<sup>2</sup>

Year	CANADA GEESE								LIGHT GEESE		W-F	TOTAL
	Hi-Line	SGP	TGP	EPP	WP/GP	RMP	Unclass.	Total	W-CF	M-C		
2007	180,215	190,531	680,301	43,700	445,959	19,512	37,413	1,597,631	170,642	1,076,557	243,081	3,087,911
2006	247,265	234,737	499,801	2,160	444,410	6,883	13,435	1,448,691	140,587	808,508	304,093	2,701,879
2005	207,401	177,195	400,766	50,000	415,131	15,849	5,175	1,271,517	142,974	877,917	147,783	2,440,191
2004	215,586	203,586	458,680	26,000	622,100	13,228	69,595	1,608,775	135,373	726,999	79,389	2,550,536
2003	205,939	156,661	611,842	40,500	561,049	5,119	24,907	1,606,017	105,900	826,981	213,343	2,752,241
2002	217,145	160,873	504,708	8,100	710,260	7,396	16,873	1,625,355	99,875	675,453	260,849	2,661,532
2001	257,929	164,084	149,090	900	677,729	13,327	18,329	1,281,388	105,754	751,928	141,189	2,280,259
2000	270,730	199,493	295,540	13,050	599,292	9,801	11,860	1,399,766	137,535	1,057,042	145,219	2,739,562
1999	119,460	403,197	548,206	45,000	467,137	5,298	52,554	1,640,852	236,365	1,114,384	200,391	3,191,992
1997-98	190,985	339,552	331,863	1,200	482,290		44,947	1,390,837	103,522	1,058,685	356,531	2,909,575
1996-97	148,527	406,838	262,864	0	453,358		39,505	1,311,092	127,172	1,208,606	215,254	2,862,124
1995-96	167,524	414,829	263,996	20,800	403,318		66,445	1,336,912	93,054	835,565	154,519	2,420,050
1994-95	173,752	481,951	244,988	27,500	352,495		35,520	1,316,206	80,127	1,203,360	194,845	2,794,538
1993-94	164,334	312,855	224,200	1,800	272,487		41,916	1,017,592	84,874	1,015,169	188,878	2,306,513
1992-93	117,294	270,495	235,328	26,600	318,029		60,622	1,028,368	45,145	895,951	158,625	2,128,089
1991-92	136,950	558,756	276,329	0	305,861		47,624	1,325,520	87,885	908,373	85,881	2,407,659
1990-91	116,643	512,162	305,117	13,500	328,710		372,398	1,648,530	104,624	799,880	155,211	2,708,245
1989-90	101,840	375,283	136,091	11,000	216,034		329,779	1,170,027	38,686	661,302	90,830	1,960,845
1988-89	99,934	284,168	215,799	0	245,891		375,874	1,221,666	67,637	598,132	103,073	1,990,508
1987-88	65,512	147,322	306,735	0	272,050		224,470	1,016,089	46,217	735,922	90,626	1,888,854
1986-87	117,409	193,318	159,007	0	174,355		382,332	1,026,421	63,545	900,437	194,530	2,184,933
1985-86	68,792	180,824	189,360	0	36,534		307,919	783,429	96,591	837,611	92,727	1,810,358
1984-85	76,111	179,120	197,240	0	160,640		173,394	786,505	62,905	980,220	155,705	1,985,335
1983-84	39,779	143,382	260,650	0	91,450		51,775	587,036	43,038	905,538	140,697	1,676,309

<sup>1</sup> Mid-December Goose Surveys were discontinued after December, 1997.

<sup>2</sup> Yearly totals from 1983-84 to 1997-98 reflect Mid-December counts (when available) for TGP, EPP, and WP/GP Canada geese, W-CF and M-C light geese, and W-F geese; totals for Hi-line and SGP populations reflect mid-winter Survey data. Counts from these time periods were designated as official counts by respective Management Plans.

<sup>3</sup> TX did not survey the Rolling Plains and Sand Plains due to weather and equipment problems. Goose surveys on the coast were flown in January instead of in late December.