

CENTRAL FLYWAY MID-WINTER SURVEY RESULTS



2024



Compiled by:

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United States Department of the Interior



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April 3, 2024

To: Central Flyway Council and Central Flyway Waterfowl Technical Committee

Re: January 2024 Mid-Winter Waterfowl Survey Report

From: Tom Cooper, FWS Central Flyway Representative

The Central Flyway's 2024 Mid-Winter Waterfowl Survey (MWS) was completed during January 2-16, 2024, with most surveys completed during January 2-8, 2024. Most areas important to waterfowl were covered by aerial or ground survey crews throughout the Central Flyway States with coordinators reporting that 10-100% of important waterfowl habitat was surveyed in 2024. Due to logistical issues, Nebraska was not able to complete the normal aerial portion of their survey so Nebraska data only include ground observations. Overall, conditions for conducting the survey were generally favorable this year with some slight delays due to foggy conditions for some aerial portions of the survey in the northern states.

The northern portion of the Central Flyway experienced above normal temperatures throughout December resulting in higher abundances of waterfowl in the northern portion of the Flyway. There was very little snow so there were ample field-feeding opportunities throughout the region. In North Dakota, the Missouri River System was mostly ice free which contributed to a record count of more than 300,000 Canada geese as well as over 40,000 mallards. The Mid-latitude states also experienced mild temperatures during the prior to and during the survey with most wetlands containing open water. Drought conditions still continued through Nebraska, Kansas, and eastern Colorado so many wetlands were dry. Reports indicated favorable agricultural conditions throughout the region.

Wetland conditions across the state of Texas with very poor to near record drought, with only the High Plains having good wetland conditions. The Gulf Coast region had very little freshwater on the landscape. Any freshwater that did occur was pumped up artificially and had birds highly concentrated in small areas. Central and East Texas, saw one or two rain events throughout the winter that only slightly improved habitat conditions. The High Plains of the Texas Panhandle saw near record rainfall during early summer months and a significant portion of that water was still on the landscape during the survey and resulted in a significant increase in dabbling ducks from previous years.

The total waterfowl count, including coots, for 2024 was 18% higher than in 2023. The total duck count was 16% higher, while the total goose count increased 22% from last year. The 2024 total duck count was 33% below the 2010-2019 average, while the total goose count was 17% above the 10-year average. The mallard count increased by 109% from last year; however, it was 37% below the 2010-2019 average. Counts of dabbling and diving ducks were 23% and 45% higher than in 2023, respectively, while dabbling ducks were 36% below the 2010-2019 average and diving ducks were 29% lower than the average. More specific information for species and populations are provided in the report.

Thank you to all the collaborators who conducted or otherwise supported the Central Flyway MWS this year!



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JANUARY 2024 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY¹

| SPECIES | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|-----------------------|----------------|----------------|----------------|---------------|----------------|---------------|------------------|----------------|---------------|------------------|------------------|
| Mallard | 43,807 | 66,682 | 34,308 | 15,306 | 116,654 | 16,115 | 479,045 | 64,436 | 9,065 | 246,830 | 1,092,248 |
| Black Duck | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Mottled Duck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15,616 | 15,616 |
| Gadwall | 0 | 0 | 60 | 0 | 506 | 31 | 3,996 | 2,735 | 1,074 | 297,354 | 305,756 |
| Wigeon | 0 | 0 | 127 | 0 | 1,715 | 180 | 1,566 | 580 | 6,925 | 238,832 | 249,925 |
| G-W Teal | 14 | 0 | 5 | 0 | 1,408 | 30 | 24,405 | 27,434 | 4,448 | 400,316 | 458,060 |
| BW/CIN Teal | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 525 | 0 | 7,575 | 8,102 |
| Shoveler | 3 | 0 | 1 | 0 | 7,419 | 127 | 13,712 | 677 | 2,556 | 56,121 | 80,616 |
| Pintail | 76 | 0 | 1 | 0 | 972 | 161 | 11,939 | 13,737 | 7,788 | 303,846 | 338,520 |
| Wood Duck | 0 | 0 | 0 | 0 | 103 | 12 | 58 | 49 | 2 | 11,342 | 11,566 |
| Whistling Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,064 | 3,064 |
| Total Dabblers | 43,900 | 66,682 | 34,502 | 15,306 | 128,777 | 16,658 | 534,722 | 110,173 | 31,858 | 1,580,896 | 2,563,474 |
| Redhead | 0 | 0 | 0 | 0 | 756 | 10 | 343 | 851 | 785 | 334,706 | 337,451 |
| Canvasback | 0 | 0 | 0 | 0 | 52 | 2 | 369 | 119 | 570 | 15,329 | 16,441 |
| Scaup | 0 | 0 | 10 | 0 | 227 | 391 | 3,015 | 2,028 | 160 | 83,186 | 89,017 |
| Ringnecked duck | 0 | 0 | 0 | 0 | 420 | 4 | 1,708 | 870 | 2,023 | 176,257 | 181,282 |
| Goldeneyes | 107 | 0 | 35 | 1,346 | 1,119 | 3,403 | 14,258 | 4,682 | 130 | 878 | 25,958 |
| Bufflehead | 518 | 0 | 168 | 0 | 548 | 7 | 2,165 | 1,571 | 1,169 | 27,078 | 33,224 |
| Ruddy Duck | 0 | 0 | 0 | 0 | 13 | 0 | 179 | 34 | 155 | 1,759 | 2,140 |
| Total Divers | 625 | 0 | 213 | 1,346 | 3,135 | 3,817 | 22,037 | 10,155 | 4,992 | 639,193 | 685,513 |
| Eiders | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Scoters | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Long-tailed Ducks | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Mergansers | 187 | 0 | 4,275 | 996 | 7,315 | 669 | 31,973 | 425 | 4,024 | 14,690 | 64,554 |
| Unident. Ducks | 2 | 0 | 0 | 0 | 734 | 258 | 11,751 | 2,819 | 0 | 279,364 | 294,928 |
| Total Ducks | 44,716 | 66,682 | 38,990 | 17,648 | 139,961 | 21,402 | 600,483 | 123,572 | 40,874 | 2,514,143 | 3,608,471 |
| Brant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Snow/Blue Goose | 9,121 | 9 | 174 | 0 | 114,799 | 54 | 1,401,940 | 35,207 | 8,982 | 405,943 | 1,976,229 |
| Ross's Goose | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7,489 | 0 | 0 | 7,490 |
| Whitefront | 32 | 0 | 2 | 0 | 0 | 800 | 11,094 | 10,083 | 0 | 57,331 | 79,342 |
| Canada/Cackling Goose | 309,305 | 133,982 | 83,560 | 33,975 | 311,257 | 46,342 | 136,913 | 56,870 | 9,773 | 379,496 | 1,501,473 |
| Total Geese | 318,458 | 133,991 | 83,737 | 33,975 | 426,056 | 47,196 | 1,549,947 | 109,649 | 18,755 | 842,770 | 3,564,534 |
| Tundra Swan | 0 | 0 | 0 | 4 | 6 | 0 | 2 | 0 | 0 | 0 | 12 |
| Trumpeter Swan | 0 | 0 | 620 | 56 | 5 | 123 | 4 | 0 | 0 | 12 | 820 |
| Mute Swan | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 |
| Unident. Swans | 16 | 0 | 0 | 0 | 0 | 0 | 53 | 0 | 0 | 0 | 69 |
| Total Swans | 16 | 0 | 620 | 60 | 11 | 123 | 63 | 0 | 0 | 12 | 905 |
| Coot | 0 | 0 | 79 | 0 | 1,362 | 0 | 1,860 | 2,639 | 10,032 | 78,344 | 94,316 |
| Grand Total | 363,190 | 200,673 | 123,426 | 51,683 | 567,390 | 68,721 | 2,152,353 | 235,860 | 69,661 | 3,435,269 | 7,268,226 |

¹In TX, SGP and TGP counts (CFAN beginning in 2014) 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 2024 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY¹

January 2024 Mid-winter Waterfowl Survey

| State | CANADA and CACKLING GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|------------|---------------------------|-----------------------------|-----------------------------|-----|---------|--------|----------|---------|-------------|-----------|--------|-----------|
| | Hi-Line | West Tier CFAN ³ | East Tier CFAN ³ | EPP | WP/GP | RMP | Unclass. | Total | W-CF | M-C | | |
| Montana | 0 | 0 | 0 | 0 | 0 | 0 | 133,982 | 133,982 | 9 | 0 | 0 | 133,991 |
| No. Dakota | 0 | 0 | 57,646 | 0 | 249,962 | 0 | 1,697 | 309,305 | 0 | 9,121 | 32 | 318,458 |
| So. Dakota | 0 | 0 | 8,900 | 0 | 74,660 | 0 | 0 | 83,560 | 0 | 175 | 0 | 83,735 |
| Wyoming | 14,976 | 1,688 | 0 | 0 | 0 | 17,311 | 0 | 33,975 | 0 | 0 | 0 | 33,975 |
| Nebraska | 0 | 0 | 0 | 0 | 46,342 | 0 | 0 | 46,342 | 0 | 54 | 800 | 47,196 |
| Colorado | 240,605 | 70,652 | 0 | 0 | 0 | 0 | 0 | 311,257 | 114,799 | 0 | 0 | 426,056 |
| Kansas | 0 | 140 | 269 | 500 | 9,005 | 0 | 126,999 | 136,913 | 0 | 1,401,940 | 11,094 | 1,549,947 |
| N. Mexico | 3,786 | 5,814 | 0 | 0 | 0 | 0 | 174 | 9,774 | 8,982 | 0 | 0 | 18,756 |
| Oklahoma | 0 | 47,770 | 0 | 0 | 9,100 | 0 | 0 | 56,870 | 0 | 42,696 | 10,083 | 109,649 |
| Texas | 0 | 379,433 | 0 | 0 | 0 | 0 | 63 | 379,496 | 197,196 | 208,747 | 57,331 | 842,770 |

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

Central Flyway Goose Population Survey Results²

| Year | CANADA and CACKLING GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|---------|---------------------------|----------------|----------------|--------|---------|--------|----------|-----------|-------------|-----------|---------|-----------|
| | Hi-Line | West Tier CFAN | East Tier CFAN | EPP | WP/GP | RMP | Unclass. | Total | W-CF | M-C | | |
| 2024 | 259,367 | 505,497 | 66,815 | 500 | 389,069 | 17,311 | 262,915 | 1,501,474 | 320,986 | 1,662,733 | 79,340 | 3,564,533 |
| 2023 | 241,515 | 352,476 | 117,651 | 460 | 261,524 | 14,910 | 98,247 | 1,086,783 | 165,771 | 1,601,830 | 69,258 | 2,923,642 |
| 2022 | 412,652 | 490,631 | 80,139 | 568 | 612,920 | 21,049 | 491,582 | 2,109,541 | 270,847 | 1,542,476 | 148,333 | 4,071,197 |
| 2021 | 437,236 | 394,068 | 83,968 | 0 | 429,175 | 9,705 | 191,430 | 1,545,582 | 353,681 | 1,938,475 | 119,414 | 3,957,152 |
| 2020 | 411,128 | 516,582 | 117,222 | 978 | 295,427 | 10,318 | 138,689 | 1,490,344 | 343,386 | 1,515,694 | 113,720 | 3,463,144 |
| 2019 | 274,533 | 382,814 | 230,234 | 540 | 545,941 | 7,653 | 107,553 | 1,549,268 | 171,453 | 1,037,840 | 175,285 | 2,933,846 |
| 2018 | 505,849 | 553,027 | 383,050 | 0 | 577,168 | 14,966 | 376,041 | 2,434,766 | 311,330 | 1,497,239 | 110,572 | 4,353,907 |
| 2017 | 286,753 | 468,094 | 222,882 | 30 | 608,739 | 13,659 | 119,421 | 1,719,578 | 227,135 | 908,201 | 101,384 | 2,956,298 |
| 2016 | 280,194 | 452,913 | 172,297 | 1,523 | 538,160 | 9,172 | 96,735 | 1,550,994 | 239,480 | 1,182,399 | 107,828 | 3,080,701 |
| 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 307,919 | 783,429 | 96,591 | 837,611 | 92,727 | 1,810,358 |
| 1984-85 | 76,111 | 179,120 | 197,240 | 0 | 160,640 | 0 | 173,394 | 786,505 | 62,905 | 980,220 | 155,705 | 1,985,335 |
| 1983-84 | 39,779 | 143,382 | 260,650 | 0 | 91,450 | 0 | 51,775 | 587,036 | 43,038 | 905,538 | 140,697 | 1,676,309 |

¹ Mid-December Goose Surveys were discontinued after December, 1997.

² 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.

³ 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.

3/21/24

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 | U.S. | | | |
| 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 | 75,401 | |
| 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 | 84,554 | |
| 1984 | 209 | 0 | 0 | 0 | 0 | 100 | 0 | 600 | 0 | 29,002 | 7,000 | 44,100 | 199 | 0 | 25 | 100 | 25 | 81,360 | 80,685 | |
| 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 | 88,603 | |
| 1986 | 0 | 0 | 0 | 0 | 0 | 756 | 0 | 800 | 400 | 30,020 | 6,378 | 52,300 | 86 | 1 | 25 | 25 | 150 | 90,941 | 89,745 | |
| 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 | 94,543 | |
| 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 | 88,460 | |
| 1989 | 0 | 0 | 0 | 0 | 0 | 502 | 0 | 2,300 | 175 | 28,542 | 5,927 | 53,656 | 45 | 3 | 0 | 25 | 125 | 91,300 | 88,580 | |
| 1990 | 0 | 0 | 0 | 0 | 0 | 340 | 0 | 3,600 | 90 | 20,078 | 6,092 | 60,238 | 155 | 0 | 0 | 9 | 17 | 90,619 | 86,868 | |
| 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 | 93,372 | |
| 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 | 100,620 | |
| 1993 | 0 | 0 | 0 | 0 | 83 | 4,868 | 0 | 305 | 72 | 18,248 | 7,046 | 45,930 | 41 | 0 | 0 | 739 | 858 | 78,190 | 96,477 | |
| 1994 | 0 | 0 | 0 | 0 | 8 | 686 | 1 | 1,044 | 126 | 18,780 | 9,132 | 54,664 | 86 | 0 | 0 | 184 | 61 | 84,772 | 92,002 | |
| 1995 | 0 | 0 | 0 | 0 | 206 | 2,012 | 1 | 770 | 64 | 15,578 | 7,605 | 53,870 | 116 | 0 | 0 | 2,473 | 2,447 | 116,142 | 82,701 | |
| 1996 | 0 | 0 | 0 | 0 | 0 | 115 | 4 | 512 | 197 | 16,344 | 10,945 | 50,716 | 188 | 0 | 0 | 113 | 393 | 79,527 | 83,147 | |
| 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 | 85,683 | |
| 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 | 90,822 | |
| 1999 | 0 | 0 | 0 | 0 | 0 | 553 | 0 | 935 | 76 | 15,557 | 8,814 | 83,106 | 0 | 0 | 0 | 296 | 1,618 | 110,955 | 101,298 | |
| 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 | 108,952 | |
| 2001 | 0 | 0 | 0 | 0 | 99 | 363 | 24 | 197 | 72 | 20,798 | 9,428 | 66,966 | 220 | 0 | 0 | 231 | 46 | 98,444 | 108,247 | |
| 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 | 109,486 | |
| 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 | 108,281 | |
| 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 | 112,401 | |
| 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 | 98,330 | |
| 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 | 88,177 | |
| 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 | 89,381 | |
| 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 | 97,312 | |
| 2009 | 0 | 0 | 0 | 0 | 0 | 783 | 0 | 165 | 223 | 14,183 | 6,584 | 76,788 | 578 | 0 | NS | 324 | 552 | 100,180 | 103,616 | |
| 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 | 97,908 | |
| 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 | 98,368 | |
| 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 | 102,222 | |
| 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 | 105,476 | |
| 2014 | 0 | NS | 0 | 0 | 0 | 975 | 9 | 480 | 264 | 16,145 | 9,399 | 76,276 | 305 | 0 | NS | 287 | 848 | 104,988 | 107,929 | |
| 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 | 109,714 | |
| 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 | 111,892 | |
| 2017 | NS | NS | NS | NS | 0 | 223 | NS | 124 | 329 | 14,495 | 7,475 | 92,193 | 586 | NS | NS | 1,953 | 1,909 | 119,287 | 116,659 | |
| 2018 | NS | NS | NS | NS | 0 | 56 | NS | 385 | 2,555 | 16,364 | 12,886 | 78,865 | 11 | NS | NS | 61 | 431 | 111,614 | 114,831 | |
| 2019 | NS | NS | NS | NS | 0 | 376 | NS | 215 | 5,560 | 4,047 | 5,255 | 56,681 | 231 | NS | NS | 19,721 | 733 | 92,819 | 107,907 | |
| 2020 | NS | NS | NS | NS | 0 | 798 | NS | 60 | 4,728 | 7,139 | 5,840 | 42,778 | 11 | NS | NS | 7,991 | 9,241 | 78,586 | 94,340 | |
| 2021 | NS | NS | NS | NS | 0 | 160 | NS | 0 | 1,602 | 6,613 | 7,031 | 61,295 | 0 | NS | NS | 8,302 | 1,677 | 86,680 | 86,028 | |
| 2022 | NS | NS | NS | NS | 0 | 3 | NS | 113 | 3,830 | 7,442 | 6,015 | 71,452 | 287 | NS | NS | 4,870 | 1,717 | 95,729 | 86,998 | |
| 2023 | NS | NS | NS | NS | 0 | 271 | NS | 67 | 3,344 | 7,303 | 7,836 | 94,324 | 275 | NS | NS | 19,555 | 4,806 | 137,781 | 106,730 | |
| 2024 | NS | NS | NS | NS | 0 | 318 | NS | 16 | 3,759 | 9,600 | 5,272 | 29,635 | 78 | NS | NS | 8,773 | 6,986 | 64,437 | 99,316 | |

03/21/24

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

| YEAR | FALL SURVEY ¹ | WINTER SURVEY ² | | | TOTAL |
|--|--|----------------------------|----------------|--------|---------|
| | | MISSISSIPPI FLYWAY | CENTRAL FLYWAY | MEXICO | |
| 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 ³ | 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 | 685,722 | 392,711 | 78,812 | NS | 471,523 |
| 2012/13 | 777,872 | 209,183 | 48,187 | | 257,370 |
| 2013/14 ⁴ | 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 |
| 2016/17 | 1,000,132 | 444,570 | 101,384 | | 545,954 |
| 2017/18 | 771,609 | 696,368 | 110,572 | NS | 806,940 |
| 2018/19 | 774,097 | 601,851 | 175,285 | | 777,136 |
| 2019/20 | 1,266,902 | 575,949 | 113,720 | | 689,669 |
| 2020/21 | NS | 526,775 | 119,414 | NS | 646,189 |
| 2021/22 | NS | 627,438 | 148,333 | | 775,771 |
| 2022/23 | NS | 924,615 | 69,258 | | 993,873 |
| 2023/24 | NS | 439,111 | 79,342 | NS | 518,453 |
| 3-YEAR AVERAGES: | | | | | |
| 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 | 148,838 | 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 | 659,591 | 305,179 | 122,701 | 13,604 | 427,880 |
| 2010/11 - 2012/13 | 724,477 | 282,752 | 85,057 | 13,604 | 367,809 |
| 2011/12 - 2013/14 ⁴ | 723,135 | 304,563 | 51,335 | 13,604 | 355,898 |
| 2012/13 - 2014/15 ⁵ | 891,732 | 302,320 | 48,153 | 13,604 | 350,473 |
| 2013/14 - 2015/16 ⁶ | 991,341 | 393,191 | 68,033 | 13,604 | 461,224 |
| 2014/15 - 2016/17 | 994,271 | 437,449 | 92,826 | 13,604 | 530,275 |
| 2015/16 - 2017/18 | 916,277 | 540,911 | 106,595 | 13,604 | 647,506 |
| 2016/17 - 2018/19 | 848,613 | 580,930 | 129,080 | 13,604 | 710,010 |
| 2017/18 - 2019/20 | 937,536 | 624,723 | 133,192 | 13,604 | 757,915 |
| 2018/19 - 2020/21 | | 568,192 | 136,140 | 13,604 | 704,331 |
| 2019/20 - 2021/22 | | 576,721 | 127,156 | 13,604 | 703,876 |
| 2020/21 - 2022/23 | | 692,943 | 112,335 | 13,604 | 805,278 |
| 2021/22 - 2023/24 | | 663,721 | 98,978 | 13,604 | 762,699 |
| POPULATION OBJECTIVES: | | | | | |
| POPULATION THAT PROVIDES OPTIMUM HARVEST OPPORTUNITIES | | | | | |
| REGULATORY THRESHOLDS: | | | | | |
| WEST TIER ⁶ | 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% | | | | |

03/21/24

¹ Since 1997, Mid-continent white-fronted geese have been considered one population, officially surveyed during Fall (September) in Saskatchewan and Alberta. Survey was discontinued in 2020

² 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.

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

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

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

⁶ Except the West Tier of Texas.

CENTRAL FLYWAY CANADA and CACKLING GOOSE POPULATION STATUS, OBJECTIVES, AND REGUL THRESHOLDS

| YR | CF ARCTIC NESTING GEESE | | HI-LINE ¹ | WESTERN PRAIRIE/ GR. PLAINS ¹ | EASTERN PRAIRIE | | |
|-------------------------------|-----------------------------|-----------------------------|-----------------------------------|---|------------------------|------------------------------|---------|
| | EAST TIER CFAN ² | WEST TIER CFAN ² | | | C. FLYWAY ³ | M. FLYWAY ³ | 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 |
| 2017 | 222,862 | 468,094 | 286,753 | 608,739 | 30 | NA | 30 |
| 2018 | 383,050 | 553,027 | 505,849 | 577,168 | 24,865 | NA | 24,865 |
| 2019 | 230,234 | 382,814 | 274,533 | 545,941 | 540 | NA | 540 |
| 2020 | 117,222 | 516,582 | 411,128 | 295,427 | 978 | NA | 978 |
| 2021 | 83,968 | 394,068 | 437,236 | 429,175 | 0 | NA | 0 |
| 2022 | 80,139 | 490,631 | 412,652 | 612,920 | 568 | NA | 568 |
| 2023 | 117,651 | 352,476 | 241,515 | 261,524 | 460 | NA | 460 |
| 2024 | 66,815 | 505,497 | 259,367 | 389,069 | 500 | NA | 500 |
| 3-YEAR AVERAGES: | | | | | | | |
| 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 |
| 2015 - 2017 | 225,206 | 489,569 | 268,597 | 534,248 | 5,584 | NA | 5,584 |
| 2016 - 2018 | 259,410 | 491,345 | 357,599 | 574,689 | 8,739 | NA | 8,739 |
| 2017 - 2019 | 278,722 | 467,978 | 355,712 | 577,283 | 8,412 | NA | 8,412 |
| 2018 - 2020 | 243,502 | 484,141 | 397,170 | 472,845 | 8,728 | NA | 8,728 |
| 2019 - 2021 | 143,808 | 431,155 | 374,299 | 423,514 | 506 | NA | 506 |
| 2020 - 2022 | 93,776 | 467,084 | 420,339 | 445,841 | 515 | NA | 515 |
| 2021 - 2023 | 93,919 | 412,392 | 363,801 | 434,540 | 343 | NA | 343 |
| 2022 - 2024 | 88,202 | 449,535 | 304,511 | 421,171 | 509 | NA | 509 |
| POPULATION OBJECTIVES: | | | | | | | |
| SPRING ³ | | SPRING ³ | SPRING 150,000 (3-year ave) | WINTER 275,000-300,000 (3-year ave) | | SPRING 300,000 | |
| REGULATORY THRESHOLDS: | | | | 150,000 (restrict) 285,000 (increase) | | SPRING 260,000 340,000 | |

FILE: S:\CF_D\PROJECTS\SURVEYS\MWS\GOOSE\SURVEYS\GEESESTATS.XLS 03/21/24

¹ 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.

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

³ 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 fall population. 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. Desired winter abundance is 350,000 (150,000 west-tier and 200,000 east-tier).

CENTRAL FLYWAY SNOW/ROSS'S GOOSE POPULATION STATUS ¹, OBJECTIVES, AND REGULATORY THRESHOLDS

| YR | WESTERN CENTRAL FLYWAY | | | MID-CONTINENT POPULATION | | |
|-------------------------------|------------------------|---------------------|---------|--------------------------|--------------|-----------------------|
| | U.S. | MEXICO ² | TOTAL | CENTRAL FLYWAY | MISS. FLYWAY | TOTAL |
| 1969/70 | 6,925 | 34,831 | 41,756 | 352,390 | 424,625 | 777,015 |
| 1970/71 | 11,140 | | 11,140 | 415,254 | 654,900 | 1,070,154 |
| 1971/72 | 13,011 | | 13,011 | 376,094 | 937,300 | 1,313,394 |
| 1972/73 | 11,579 | | 11,579 | 492,965 | 532,300 | 1,025,265 |
| 1973/74 | 16,200 | | 16,200 | 657,507 | 532,300 | 1,189,807 |
| 1974/75 | 26,420 | 26,472 | 52,892 | 655,080 | 441,500 | 1,096,580 |
| 1975/76 | 23,164 | | 23,164 | 870,730 | 691,625 | 1,562,355 |
| 1976/77 | 33,640 | 51,345 | 84,985 | 578,940 | 571,350 | 1,150,290 |
| 1977/78 | 31,050 | 53,695 | 84,745 | 1,172,252 | 794,125 | 1,966,377 |
| 1978/79 | 28,161 | 59,060 | 87,221 | 772,623 | 513,050 | 1,285,673 |
| 1979/80 | 30,449 | 65,270 | 95,719 | 803,801 | 594,275 | 1,398,076 |
| 1980/81 | 37,551 | 44,855 | 82,406 | 902,043 | 504,650 | 1,406,693 |
| 1981/82 | 50,005 | 107,630 | 157,635 | 925,705 | 868,350 | 1,794,055 |
| 1982/83 | 76,102 | | 76,102 | 923,340 | 832,125 | 1,755,465 |
| 1983/84 | 43,038 | | 43,038 | 905,538 | 589,000 | 1,494,538 |
| 1984/85 | 62,905 | 83,605 | 146,510 | 980,220 | 992,825 | 1,973,045 |
| 1985/86 | 96,591 | | 96,591 | 837,611 | 611,750 | 1,449,361 |
| 1986/87 | 63,545 | | 63,545 | 900,437 | 1,013,375 | 1,913,812 |
| 1987/88 | 46,217 | 92,025 | 138,242 | 735,922 | 1,014,775 | 1,750,697 |
| 1988/89 | 67,637 | | 67,637 | 598,132 | 1,358,100 | 1,956,232 |
| 1989/90 | 38,686 | | 38,686 | 661,302 | 1,062,982 | 1,724,284 |
| 1990/91 | 104,624 | 77,905 | 182,529 | 799,880 | 1,335,870 | 2,135,800 |
| 1991/92 | 87,885 | | 87,885 | 908,373 | 1,113,491 | 2,021,864 |
| 1992/93 | 45,145 | | 45,145 | 895,951 | 648,131 | 1,744,082 |
| 1993/94 | 84,874 | 169,460 | 254,334 | 1,015,169 | 1,185,646 | 2,200,815 |
| 1994/95 | 80,127 | | 80,127 | 1,203,360 | 1,521,732 | 2,725,092 |
| 1995/96 | 93,054 | | 93,054 | 835,565 | 1,562,513 | 2,398,078 |
| 1996/97 | 127,172 | 88,910 | 216,082 | 1,208,606 | 1,749,080 | 2,957,686 |
| 1997/98 | 103,522 | | 103,522 | 1,058,685 | 1,963,543 | 3,022,228 |
| 1998/99 ¹ | 236,365 | | 236,365 | 1,114,384 | 1,461,342 | 2,575,726 |
| 2000 | 137,535 | 118,445 | 255,980 | 1,057,042 | 1,340,277 | 2,397,319 |
| 2001 | 105,754 | | 105,754 | 751,928 | 1,589,344 | 2,341,272 |
| 2002 ³ | 99,875 | | 99,875 | 675,453 | 2,020,687 | 2,696,140 |
| 2003 | 105,900 | 61,519 | 167,419 | 826,981 | 1,608,046 | 2,435,027 |
| 2004 | 135,373 | | 135,373 | 726,999 | 1,487,325 | 2,214,324 |
| 2005 | 142,974 | | 142,974 | 877,917 | 1,466,284 | 2,344,201 |
| 2006 ⁴ | 140,587 | 87,170 | 227,757 | 808,508 | 1,413,155 | 2,221,663 |
| 2007 ⁵ | 170,642 | | 170,642 | 1,076,557 | 1,840,537 | 2,917,094 |
| 2008 | 188,515 | | 188,515 | 627,426 | 1,827,625 | 2,455,051 |
| 2009 | 284,446 | | 284,446 | 775,650 | 1,977,793 | 2,753,443 |
| 2010 | 238,084 | | 238,084 | 618,794 | 2,038,686 | 2,657,480 |
| 2011 | 196,013 | | 196,013 | 1,058,853 | 2,116,340 | 3,175,193 |
| 2012 | 205,331 | | 205,331 | 616,427 | 3,404,795 | 4,021,222 |
| 2013 | 225,936 | | 225,936 | 1,125,582 | 3,488,405 | 4,613,987 |
| 2014 | 264,836 | | 264,836 | 959,798 | 2,854,885 | 3,814,683 |
| 2015 | 243,253 | | 243,253 | 1,048,902 | 2,235,150 | 3,284,052 |
| 2016 | 239,480 | | 239,480 | 1,182,398 | 2,270,243 | 3,452,641 |
| 2017 | 227,135 | | 227,135 | 908,201 | 2,508,872 | 3,417,073 |
| 2018 | 311,330 | | 311,330 | 1,497,239 | 2,563,911 | 4,061,150 |
| 2019 | 171,453 | | 171,453 | 1,037,840 | 2,911,103 | 3,948,943 |
| 2020 | 343,386 | | 343,386 | 1,515,694 | 2,863,033 | 4,378,727 |
| 2021 | 353,681 | | 353,681 | 1,938,475 | 2,434,370 | 4,372,845 |
| 2022 | 270,847 | | 270,847 | 1,542,476 | 2,398,721 | 3,941,197 |
| 2023 | 165,771 | | 165,771 | 1,601,830 | 3,269,761 | 4,871,591 |
| 2024 | 320,986 | | 320,986 | 1,662,733 | 1,775,422 | 3,438,155 |
| 3-YEAR AVERAGES: | | | | | | |
| 1979/80 - 81/82 | 39,335 | 72,585 | 111,920 | 877,183 | 655,758 | 1,532,941 |
| 1980/81 - 82/83 | 54,553 | 76,243 | 130,795 | 917,029 | 735,042 | 1,652,071 |
| 1981/82 - 83/84 | 56,382 | 107,630 | 164,012 | 918,194 | 763,158 | 1,681,353 |
| 1982/83 - 84/85 | 60,682 | 83,605 | 144,287 | 936,366 | 804,650 | 1,741,016 |
| 1983/84 - 85/86 | 67,511 | 83,605 | 151,116 | 907,790 | 731,192 | 1,638,981 |
| 1984/85 - 86/87 | 74,347 | 83,605 | 157,952 | 906,089 | 872,650 | 1,778,739 |
| 1985/86 - 87/88 | 68,784 | 92,025 | 160,809 | 824,657 | 879,987 | 1,704,623 |
| 1986/87 - 88/89 | 59,133 | 92,025 | 151,158 | 744,830 | 1,128,750 | 1,873,580 |
| 1987/88 - 89/90 | 50,847 | 92,025 | 142,872 | 665,119 | 1,145,286 | 1,810,404 |
| 1988/89 - 90/91 | 70,316 | 77,905 | 148,221 | 686,438 | 1,252,317 | 1,938,772 |
| 1989/90 - 91/92 | 77,065 | 77,905 | 154,970 | 789,852 | 1,170,781 | 1,960,649 |
| 1990/91 - 92/93 | 79,218 | 77,905 | 157,123 | 789,852 | 1,170,781 | 1,967,249 |
| 1991/92 - 93/94 | 72,635 | 169,460 | 242,095 | 939,831 | 1,049,089 | 1,988,920 |
| 1992/93 - 94/95 | 70,049 | 169,460 | 239,509 | 1,038,160 | 1,185,170 | 2,223,330 |
| 1993/94 - 95/96 | 86,018 | 169,460 | 255,478 | 1,018,031 | 1,423,297 | 2,441,328 |
| 1994/95 - 96/97 | 100,118 | 88,910 | 189,028 | 1,082,510 | 1,611,108 | 2,693,619 |
| 1995/96 - 97/98 | 107,916 | 88,910 | 196,826 | 1,034,285 | 1,758,379 | 2,792,664 |
| 1996/97 - 98/99 | 155,686 | 88,910 | 244,596 | 1,127,225 | 1,724,655 | 2,851,880 |
| 1997/98 - 2000 | 159,141 | 118,445 | 277,586 | 1,076,704 | 1,588,387 | 2,665,091 |
| 1998/99 - 2001 | 159,885 | 118,445 | 278,330 | 974,451 | 1,463,654 | 2,438,106 |
| 1999/00 - 2002 | 114,388 | 118,445 | 232,833 | 828,141 | 1,650,103 | 2,478,244 |
| 2001 - 2003 | 103,843 | 61,519 | 165,362 | 751,454 | 1,739,359 | 2,490,813 |
| 2002-2004 | 113,716 | 61,519 | 175,235 | 743,144 | 1,705,353 | 2,448,497 |
| 2003-2005 | 128,082 | 61,519 | 189,601 | 810,632 | 1,520,552 | 2,331,184 |
| 2004-2006 | 139,645 | 87,170 | 226,815 | 804,475 | 1,455,588 | 2,260,063 |
| 2005-2007 | 151,401 | 87,170 | 238,571 | 920,994 | 1,573,325 | 2,494,319 |
| 2006-2008 | 166,581 | 87,170 | 253,751 | 837,497 | 1,693,772 | 2,531,269 |
| 2007-2009 | 214,534 | 87,170 | 301,704 | 826,544 | 1,881,985 | 2,708,529 |
| 2008-2010 | 237,015 | 87,170 | 324,185 | 673,957 | 1,948,035 | 2,621,991 |
| 2009-2011 | 239,514 | 87,170 | 326,684 | 817,766 | 2,044,273 | 2,862,039 |
| 2010-2012 | 213,143 | 87,170 | 300,313 | 764,691 | 2,519,940 | 3,284,632 |
| 2011-2013 | 209,093 | 87,170 | 296,263 | 933,621 | 3,003,180 | 3,936,801 |
| 2012-2014 | 232,034 | 87,170 | 319,204 | 900,602 | 3,249,362 | 4,149,964 |
| 2013-2015 | 244,675 | 87,170 | 331,845 | 1,044,761 | 2,859,480 | 3,904,241 |
| 2014-2016 | 249,190 | 87,170 | 336,360 | 1,063,699 | 2,453,426 | 3,517,125 |
| 2015-2017 | 236,623 | 87,170 | 323,793 | 1,046,500 | 2,338,088 | 3,384,589 |
| 2016-2018 | 259,315 | 87,170 | 346,485 | 1,195,946 | 2,447,675 | 3,643,621 |
| 2017-2019 | 236,639 | 87,170 | 323,809 | 1,147,760 | 2,661,295 | 3,809,055 |
| 2018-2020 | 275,390 | 87,170 | 362,560 | 1,350,258 | 2,779,349 | 4,129,607 |
| 2019-2021 | 289,507 | 87,170 | 376,677 | 1,497,336 | 2,736,169 | 4,233,505 |
| 2020-2022 | 322,638 | 87,170 | 409,808 | 1,665,548 | 2,565,375 | 4,230,923 |
| 2021-2023 | 263,433 | 87,170 | 350,603 | 1,694,260 | 2,700,951 | 4,395,211 |
| 2022-2024 | 252,535 | 87,170 | 339,705 | 1,602,346 | 2,481,301 | 4,083,648 |
| POPULATION OBJECTIVES: | | | | 110,000 | | 1,000,000 - 1,500,000 |
| REGULATORY THRESHOLDS: | | | | | | 1,000,000 - 1,500,000 |

FILE S:\CF_D\PROJECTS\SURVEYS\MWS\GOOSE\SURVEYS\GEESESTATS.XLS 03/21/24

¹ From 1969/70 to 1997/98 light geese were surveyed in Mid-December except in Mexico (January). After 1997, Mid-December surveys were discontinued and all subsequent surveys were conducted in January.

² 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. Estimates of WCF geese in this column include only those geese counted in traditional survey areas within the Interior Highlands. The tri-annual survey in Mexico has not been conducted since 2006 due to safety concerns.

³ In 2002, traditional Mid Dec. cruise count not completed in TX. Light goose estimate based on transect in Jan.

⁴ Mississippi changed to a transect survey in Zone 1, only counted mallards and unidentified ducks.

⁵ In 2007, TX was unable to complete their traditional coastal Dec. survey, light geese were counted in January.

Central/Mississippi Light Goose Mid-winter Survey 1,2,3

| Year | Mid-Continent Population | | | | | | | | | | | | | | Western Central Flyway Population | | | | | | | | | | MCP + WCFP Total | | | | | | | |
|-------------------|--------------------------|-----------------|-----|---------|---------|-------|--------|---------|---------|---------|-----------|-----------|---------|-----------|-----------------------------------|--------------|--------|--------|---------|---------|-----------|-----------|-----------|--------|------------------|--------|---------|-------|---------|-----------|-----------|---------|
| | Mississippi Flyway | | | | | | | | | | | | | | Central Flyway | | | | | | M-C | | | | | WCF | | | | | | |
| | MN ¹ | WI ¹ | MI | IA | IL | IN | OH | MO | KY | AR | TN | LA | MS | AL | TOTAL | | ND | SD | NE | KS | OK | TX | TOTAL | CO | | NM | OK | TX | NE | WY | MT | TOTAL |
| | | | | | | | | | | | | | | | MF SUB-TOTAL | CF SUB-TOTAL | | | | | | | | | | | | | | | | |
| 1970 | 0 | 0 | 100 | 13,800 | 13,700 | 4,200 | TR | 50,200 | 2,000 | 0 | 500 | 338,800 | 25 | 1,500 | 424,825 | 0 | 9 | 0 | 40,536 | 30 | 311,815 | 352,390 | 777,015 | 0 | 6,925 | 0 | 0 | 0 | 0 | 0 | 6,925 | 783,940 |
| 1971 | 0 | 0 | 0 | 88,400 | 10,100 | 800 | 300 | 133,100 | 700 | 0 | 200 | 419,400 | 200 | 1,700 | 654,900 | 0 | 0 | 0 | 20,672 | 726 | 393,856 | 415,254 | 1,070,154 | 0 | 11,140 | 0 | 0 | 0 | 0 | 11,140 | 1,081,294 | |
| 1972 | 0 | 0 | 0 | 379,200 | 10,200 | 1,300 | 200 | 137,700 | 500 | 0 | 407,100 | 0 | 1,100 | 937,300 | 0 | 5 | 45 | 75,407 | 29 | 300,608 | 376,094 | 1,313,394 | 0 | 13,011 | 0 | 0 | 0 | 0 | 13,011 | 1,326,405 | | |
| 1973 | 0 | 0 | 0 | 2,600 | 4,500 | 0 | 0 | 115,300 | 1,200 | 1,500 | 0 | 406,400 | 0 | 800 | 532,300 | 0 | 0 | 250 | 64,587 | 15,590 | 412,538 | 492,965 | 1,025,265 | 0 | 11,579 | 0 | 0 | 0 | 0 | 11,579 | 1,036,844 | |
| 1974 | 0 | 0 | 0 | 41,000 | 14,500 | 200 | 500 | 112,400 | 3,600 | 1,000 | 600 | 357,000 | 100 | 1,400 | 532,300 | 0 | 15 | 5,007 | 185,339 | 9,346 | 457,800 | 657,507 | 1,189,807 | 0 | 16,200 | 0 | 0 | 0 | 0 | 16,200 | 1,206,007 | |
| 1975 | 0 | 0 | 0 | 9,000 | 7,500 | 200 | 0 | 30,100 | 4,500 | 4,300 | 500 | 384,400 | 100 | 900 | 441,500 | 0 | 0 | 1,500 | 84,600 | 1,000 | 567,980 | 655,080 | 1,096,580 | 0 | 26,100 | 0 | 320 | 0 | 0 | 26,420 | 1,123,000 | |
| 1976 | 25 | 0 | 0 | 52,600 | 7,700 | 200 | 0 | 189,800 | 3,500 | 400 | 200 | 435,600 | 300 | 1,300 | 691,625 | 0 | 0 | 34,000 | 17,648 | 8,863 | 810,219 | 870,730 | 1,562,355 | 0 | 22,944 | 0 | 220 | 0 | 0 | 23,164 | 1,585,519 | |
| 1977 | 25 | 0 | 0 | 31,000 | 500 | 0 | 0 | 126,100 | 5,000 | 3,700 | 400 | 403,100 | 25 | 1,500 | 571,350 | 0 | 0 | 5 | 21,180 | 11,235 | 546,520 | 578,940 | 1,150,290 | 0 | 33,340 | 0 | 300 | 0 | 0 | 33,640 | 1,183,930 | |
| 1978 | 0 | 0 | 0 | 80,000 | 3,100 | 0 | 0 | 274,200 | 15,000 | 7,600 | 800 | 412,400 | 25 | 1,000 | 794,125 | 0 | 2 | 0 | 27,600 | 15,900 | 1,128,750 | 1,172,252 | 1,966,372 | 0 | 30,400 | 0 | 650 | 0 | 0 | 31,050 | 1,997,427 | |
| 1979 | 25 | 0 | 25 | 70,000 | 30,200 | 200 | 0 | 53,400 | 6,000 | 1,300 | 300 | 350,600 | 0 | 1,000 | 513,050 | 1,160 | 122 | 1 | 170,940 | 21,500 | 578,900 | 772,623 | 1,285,673 | 7 | 28,154 | 0 | 0 | 0 | 0 | 28,161 | 1,313,834 | |
| 1980 | 0 | 0 | 25 | 119,900 | 16,600 | 25 | 0 | 55,800 | 5,000 | 20,800 | 200 | 373,800 | 25 | 2,100 | 594,275 | 0 | 500 | 10,000 | 35,800 | 9,900 | 747,601 | 803,801 | 1,398,076 | 350 | 28,100 | 0 | 1,999 | 0 | 0 | 30,449 | 1,428,525 | |
| 1981 | 25 | 0 | 25 | 136,200 | 14,200 | 100 | 0 | 34,400 | 6,000 | 5,100 | 300 | 305,400 | 1,000 | 1,900 | 504,650 | 0 | 630 | 27,000 | 14,700 | 22,000 | 837,713 | 902,043 | 1,406,693 | 364 | 36,200 | 0 | 987 | 0 | 0 | 37,551 | 1,444,244 | |
| 1982 | 25 | 0 | 0 | 215,000 | 11,800 | 25 | 0 | 296,900 | 800 | 37,100 | 200 | 305,000 | 300 | 1,200 | 868,350 | 0 | 200 | 25,000 | 14,800 | 14,278 | 871,327 | 925,705 | 1,794,055 | 128 | 49,004 | 0 | 873 | 0 | 0 | 50,005 | 1,844,060 | |
| 1983 | 25 | 0 | 0 | 218,500 | 21,100 | 200 | 0 | 167,200 | 4,000 | 75,300 | 300 | 342,400 | 1,200 | 1,900 | 832,125 | 0 | 370 | 60,000 | 33,350 | 22,020 | 807,600 | 923,340 | 1,755,465 | 1,803 | 71,485 | 0 | 2,800 | 14 | 0 | 76,102 | 1,831,567 | |
| 1984 | 50 | 25 | 0 | 65,600 | 0 | 0 | 25 | 121,400 | 5,700 | 89,100 | 200 | 304,500 | 400 | 2,000 | 589,000 | 0 | 41 | 30 | 54,754 | 29,413 | 821,300 | 950,528 | 1,494,538 | 302 | 40,536 | 0 | 2,200 | 0 | 0 | 43,038 | 1,537,576 | |
| 1985 | 25 | 25 | 0 | 311,000 | 4,300 | 25 | 25 | 118,600 | 6,000 | 153,500 | 300 | 397,300 | 25 | 1,700 | 992,825 | 0 | 0 | 9,800 | 26,600 | 22,120 | 921,700 | 980,230 | 1,973,045 | 8,265 | 53,240 | 0 | 1,400 | 0 | 0 | 60,908 | 2,035,950 | |
| 1986 | 0 | 0 | 0 | 100 | 17,300 | 25 | 25 | 44,800 | 8,000 | 149,600 | 100 | 389,000 | 1,500 | 1,300 | 611,750 | 0 | 0 | 0 | 8,111 | 56,700 | 772,800 | 837,611 | 1,449,361 | 2,417 | 93,174 | 200 | 800 | 0 | 0 | 96,591 | 1,545,952 | |
| 1987 | 25 | 25 | 0 | 213,600 | 6,200 | 0 | 0 | 311,200 | 9,000 | 110,900 | 25 | 358,600 | 100 | 3,700 | 1,013,375 | 0 | 17 | 51,597 | 24,853 | 28,570 | 795,400 | 900,437 | 1,913,812 | 32,900 | 29,245 | 0 | 1,400 | 0 | 0 | 63,545 | 1,977,357 | |
| 1988 | 100 | 25 | 25 | 198,300 | 4,000 | 100 | 100 | 273,100 | 6,600 | 166,200 | 200 | 363,600 | 25 | 2,400 | 1,014,775 | 0 | 6,739 | 77,507 | 14,282 | 15,794 | 621,600 | 735,922 | 1,750,697 | 5,540 | 37,777 | 0 | 2,900 | 0 | 0 | 46,217 | 1,796,914 | |
| 1989 | 25 | 25 | 0 | 450,100 | 8,200 | 25 | 25 | 112,300 | 10,400 | 272,400 | 500 | 498,500 | 2,100 | 3,500 | 1,358,100 | 12 | 263 | 6,045 | 24,622 | 17,714 | 549,476 | 598,132 | 1,966,232 | 14,217 | 53,420 | 0 | 0 | 0 | 67,637 | 2,023,869 | | |
| 1990 | 107 | 1 | 0 | 186,181 | 13,432 | 1 | 40 | 86,720 | 15,000 | 211,800 | 500 | 546,200 | 500 | 2,500 | 1,062,982 | 0 | 2,500 | 0 | 33,520 | 22,922 | 602,360 | 661,302 | 1,724,284 | 9,720 | 28,526 | 0 | 440 | 0 | 0 | 38,686 | 1,762,970 | |
| 1991 | 52 | 1 | 0 | 266,952 | 21,150 | 0 | 36 | 328,550 | 9,801 | 257,982 | 68 | 449,600 | 263 | 1,415 | 1,335,870 | 5 | 14,440 | 51,050 | 36,641 | 22,394 | 675,350 | 799,880 | 2,135,750 | 35,984 | 58,939 | 0 | 9,700 | 1 | 0 | 104,624 | 2,240,374 | |
| 1992 | 18 | 2 | 0 | 70,203 | 4,400 | 58 | 64 | 201,075 | 12,037 | 461,772 | 21 | 362,325 | 12 | 1,504 | 1,113,491 | 8 | 32 | 8 | 58,578 | 17,691 | 832,056 | 908,373 | 2,021,864 | 17,500 | 53,193 | 40 | 17,148 | 0 | 0 | 47,885 | 2,109,749 | |
| 1993 | 25 | 0 | 0 | 124,101 | 5,550 | 19 | 83 | 156,450 | 2 | 279,710 | 3 | 280,300 | 231 | 1,657 | 848,131 | 0 | 252 | 0 | 182,904 | 17,570 | 695,225 | 895,951 | 1,744,082 | 357 | 39,273 | 0 | 5,515 | 0 | 0 | 45,145 | 1,789,227 | |
| 1994 | 38 | 2 | - | 23,613 | 1,150 | 0 | 378 | 170,805 | 4 | 385,135 | 19 | 599,100 | 4,801 | 601 | 1,185,648 | 5 | 4 | 0 | 37,308 | 22,109 | 955,743 | 1,015,169 | 2,200,815 | 21,626 | 45,336 | 0 | 17,912 | 0 | 0 | 84,874 | 2,285,689 | |
| 1995 | 28 | 0 | 0 | 300 | 2,725 | 0 | 75 | 360,051 | 8,018 | 415,075 | 39 | 705,500 | 27,404 | 2,517 | 1,521,732 | 1 | 25 | 28 | 176,782 | 22,943 | 1,003,581 | 1,203,360 | 2,252,092 | 23,829 | 56,298 | 0 | 0 | 0 | 80,127 | 2,805,219 | | |
| 1996 | 31 | - | 0 | 43 | 9,225 | 0 | 20 | 293,890 | 27,001 | 317,770 | 47 | 898,164 | 15,008 | 1,314 | 1,562,513 | 0 | 5 | 167 | 75,050 | 24,404 | 735,939 | 835,565 | 2,398,078 | 33,692 | 41,399 | 0 | 17,963 | 0 | 0 | 93,054 | 2,491,132 | |
| 1997 | 27 | - | 0 | 26,016 | 69,300 | 0 | 74 | 559,815 | 7,000 | 404,691 | 116 | 654,301 | 25,083 | 2,657 | 1,749,080 | 0 | 0 | 300 | 72,042 | 24,754 | 1,111,510 | 1,208,606 | 2,957,686 | 72,852 | 38,745 | 0 | 15,387 | 0 | 188 | 127,172 | 3,084,858 | |
| 1998 | 25 | 2 | 0 | 125,520 | 4,685 | 4 | 0 | 214,650 | 5 | 327,588 | 31 | 1,240,980 | 47,509 | 2,604 | 1,963,543 | 7 | 12,560 | 28,006 | 171,390 | 1,850 | 844,872 | 1,058,685 | 3,022,228 | 55,782 | 31,689 | 0 | 16,047 | 0 | 3 | 103,522 | 3,125,750 | |
| 1999 | 27 | 1 | 0 | 11 | 17,340 | 15 | 124 | 161,083 | 41,501 | 358,767 | 1,766 | 844,057 | 33,841 | 2,809 | 1,461,342 | 0 | 2 | 0 | 49,335 | 35,321 | 1,029,726 | 1,114,384 | 2,575,726 | 28,717 | 51,078 | 0 | 156,569 | 0 | 1 | 236,265 | 2,812,901 | |
| 2000 | 3 | 1 | 8 | 7 | 51,865 | 54 | 165 | 449,922 | 20,007 | 255,503 | 24 | 534,368 | 24,840 | 3,510 | 1,340,277 | 0 | 134 | 102 | 64,628 | 23,215 | 968,963 | 1,057,042 | 2,397,319 | 22,985 | 49,106 | 0 | 65,444 | 0 | 0 | 137,535 | 2,534,854 | |
| 2001 | 0 | 0 | 1 | 825 | 16 | 69 | 77,271 | 48,011 | 357,061 | 24 | 1,075,871 | 27,938 | 2,257 | 1,589,344 | 0 | 0 | 2 | 33,137 | 50,160 | 668,629 | 751,928 | 2,341,272 | 26,665 | 50,008 | 0 | 29,080 | 0 | 1 | 105,754 | 2,447,026 | | |
| 2002 ³ | 1 | 3 | 11 | 261 | 27,940 | 3 | 100 | 893,182 | 40,161 | 437,814 | 158 | 469,834 | 150,415 | 8,051 | 2,020,687 | 0 | 414 | 115 | 102,820 | 33,362 | 538,742 | 675,453 | 2,696,140 | 28,706 | 35,480 | 0 | 35,688 | 0 | 1 | 99,875 | 2,796,015 | |
| 2003 | 2 | 1 | 0 | 20,070 | 24,121 | 0 | 20 | 569,846 | 35 | 421,871 | 38 | 532,479 | 37,182 | 2,031 | 1,608,046 | 0 | 1,534 | 45,295 | 366,501 | 36,748 | 376,903 | 826,981 | 2,435,027 | 12,953 | 34,286 | 0 | 58,660 | 0 | 1 | 105,900 | 2,540,927 | |
| 2004 | 0 | - | 0 | 42 | 25,852 | 51 | 29 | 467,217 | 62,844 | 209,659 | 62,806 | 564,947 | 91,476 | 2,042 | 1,487,325 | 0 | 9 | 1,816 | 197,753 | 49,056 | 478,365 | 766,989 | 2,424,324 | 30,981 | 32,715 | 0 | 71,675 | 0 | 2 | 135,373 | 2,549,697 | |
| 2005 | 0 | 2 | 0 | 13 | 19,751 | 315 | 4 | 476,885 | 3,962 | 385,813 | 4,213 | 530,909 | 42,217 | 2,900 | 1,466,284 | 0 | 33,043 | 70 | 211,083 | 53,612 | 580,109 | 877,917 | 2,344,201 | 44,368 | 44,416 | 0 | 54,137 | 30 | 0 | 142,974 | 2,487,175 | |
| 2006 ⁴ | 0 | 2 | 0 | 17 | 90,590 | 82 | 86 | 462,086 | 23,600 | 362,241 | 16,541 | 455,980 | 27 | 1,903 | 1,413,155 | 0 | 0 | 65,072 | 221,372 | 25,902 | 493,662 | 806,008 | 2,219,163 | 26,643 | 45,628 | 0 | 68,316 | 2,500 | 0 | 143,087 | 2,362,250 | |
| 2007 | 2 | 0 | 2 | 87 | 132,962 | 588 | 4 | 530,714 | 15,671 | 284,550 | 242 | 633,403 | 240,111 | 2,201 | 1,840,537 | 0 | 590 | 2,013 | 453,839 | 30,994 | 589,121 | 1,076,557 | 2,917,094 | 11,321 | 48,234 | 0 | 110,632 | 454 | 1 | 170,842 | 3,087,736 | |
| 2008 | 0 | 0 | 1 | 2 | 127,685 | 280 | 221 | 275,548 | 66,612 | 341,025 | 83,270 | 701,479 | 229,701 | 1,801 | 1,827,625 | | | | | | | | | | | | | | | | | |

MALLARD
MIDWINTER WATERFOWL SURVEY
CENTRAL FLYWAY, 1948-2024

| YEAR | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|------------|---------------|---------------|----------------|---------------|----------------|----------------|----------------|----------------|---------------|----------------|------------------|
| 1948 | 12,048 | 199,759 | 184,447 | 68,380 | 180,743 | 109,740 | 42,300 | 19,850 | 94,565 | 473,575 | 1,385,407 |
| 1949 | 3,434 | 153,451 | 104,390 | 48,000 | 216,280 | 183,026 | 80,800 | 132,720 | 187,910 | 429,850 | 1,539,861 |
| 1950 | 427 | 163,378 | 169,511 | 60,410 | 366,625 | 271,591 | 76,920 | 65,075 | 73,640 | 611,810 | 1,859,387 |
| 1951 | 66 | 80,971 | 156,355 | 94,420 | 271,600 | 269,317 | 80,300 | 58,915 | 79,895 | 629,080 | 1,720,919 |
| 1952 | 86 | 86,680 | 190,476 | 103,500 | 319,100 | 122,771 | 264,500 | 111,500 | 43,380 | 381,600 | 1,623,593 |
| 1953 | 531 | 74,661 | 84,236 | 80,460 | 379,345 | 192,558 | 211,550 | 58,340 | 68,925 | 504,420 | 1,655,026 |
| 1954 | 326 | 97,749 | 81,510 | 88,355 | 321,565 | 211,461 | 396,000 | 109,260 | 17,935 | 449,240 | 1,773,401 |
| 1955 | 6,944 | 112,982 | 503,685 | 101,514 | 310,826 | 201,183 | 144,466 | 44,089 | 30,581 | 603,994 | 2,060,264 |
| 1956 | 3,147 | 38,889 | 50,109 | 55,111 | 258,214 | 222,035 | 259,045 | 72,669 | 48,467 | 1,004,201 | 2,011,887 |
| 1957 | 7,473 | 66,650 | 336,776 | 75,331 | 556,393 | 344,352 | 399,233 | 28,484 | 59,719 | 420,438 | 2,294,849 |
| 1958 | 34,000 | 87,118 | 1,326,396 | 58,010 | 686,339 | 561,448 | 612,417 | 75,616 | 33,649 | 738,490 | 4,213,483 |
| 1959 | 2,100 | 87,494 | 580,909 | 66,892 | 427,870 | 311,294 | 346,666 | 129,886 | 38,365 | 469,904 | 2,461,380 |
| 1960 | 28 | 48,130 | 74,791 | 74,548 | 397,781 | 277,276 | 354,529 | 87,265 | 27,899 | 610,307 | 1,952,554 |
| 1961 | 2,100 | 59,440 | 337,388 | 44,212 | 335,728 | 167,411 | 474,519 | 50,071 | 21,518 | 176,116 | 1,668,503 |
| 1962 | 200 | 56,244 | 139,632 | 42,668 | 266,573 | 120,684 | 299,432 | 89,139 | 51,541 | 397,480 | 1,463,593 |
| 1963 | 18,640 | 90,539 | 264,453 | 49,691 | 246,465 | 145,510 | 325,083 | 197,650 | 59,622 | 259,981 | 1,657,634 |
| 1964 | 67,800 | 139,400 | 334,035 | 44,229 | 332,377 | 200,851 | 367,849 | 193,849 | 28,068 | 604,576 | 2,313,034 |
| 1965 | 1,185 | 73,107 | 151,665 | 36,357 | 195,784 | 195,590 | 470,521 | 179,540 | 22,785 | 494,623 | 1,821,157 |
| 1966 | 26,355 | 53,361 | 253,164 | 111,859 | 224,669 | 230,135 | 477,501 | 52,696 | 26,119 | 233,826 | 1,689,685 |
| 1967 | 3,225 | 66,474 | 365,615 | 35,317 | 288,736 | 240,865 | 660,980 | 278,672 | 44,274 | 144,550 | 2,128,708 |
| 1968 | 2,250 | 42,571 | 218,375 | 26,742 | 329,763 | 350,492 | 704,864 | 331,264 | 48,109 | 367,232 | 2,421,662 |
| 1969 | 2,955 | 56,420 | 79,792 | 46,533 | 273,285 | 246,300 | 583,682 | 209,475 | 30,831 | 143,165 | 1,672,438 |
| 1970 | 2,300 | 43,969 | 181,307 | 44,955 | 430,708 | 296,751 | 700,825 | 249,576 | 101,856 | 433,217 | 2,485,464 |
| 1971 | 1,725 | 45,980 | 150,288 | 51,570 | 294,996 | 265,950 | 597,247 | 279,148 | 62,048 | 381,305 | 2,130,257 |
| 1972 | 2,100 | 37,739 | 156,564 | 141,500 | 341,232 | 345,615 | 751,465 | 348,828 | 74,821 | 1,163,150 | 3,363,014 |
| 1973 | 1,630 | 35,227 | 145,565 | 98,915 | 233,038 | 197,500 | 814,043 | 300,225 | 61,209 | 454,973 | 2,342,325 |
| 1974 | 2,800 | 52,086 | 137,267 | 30,861 | 156,535 | 93,523 | 144,974 | 371,319 | 54,767 | 518,495 | 1,562,627 |
| 1975 | 4,520 | 40,160 | 130,500 | 20,540 | 281,570 | 231,988 | 402,310 | 174,941 | 53,158 | 541,192 | 1,880,879 |
| 1976 | 4,400 | 27,900 | 55,929 | 31,700 | 271,100 | 313,498 | 594,100 | 282,248 | 71,386 | 413,369 | 2,065,630 |
| 1977 | 4,970 | 45,810 | 78,967 | 65,170 | 231,200 | 369,749 | 550,220 | 214,489 | 94,351 | 590,627 | 2,245,553 |
| 1978 | 780 | 16,100 | 54,719 | 116,700 | 273,600 | 306,223 | 970,800 | 232,641 | 37,041 | 186,300 | 2,194,904 |
| 1979 | 1,660 | 25,381 | 144,879 | 21,946 | 184,379 | 244,249 | 310,541 | 121,605 | 76,734 | 428,400 | 1,559,774 |
| 1980 | 8,100 | 39,500 | 168,200 | 7,200 | 221,400 | 371,821 | 293,200 | 102,276 | 34,378 | 277,200 | 1,523,275 |
| 1981 | 15,500 | 28,000 | 246,500 | 90,000 | 376,400 | 487,089 | 448,400 | 120,078 | 31,152 | 379,300 | 2,222,419 |
| 1982 | 4,700 | 22,700 | 65,400 | 49,800 | 174,700 | 259,138 | 497,200 | 138,535 | 17,200 | 236,400 | 1,465,773 |
| 1983 | 6,000 | 21,113 | 223,500 | 33,065 | 106,344 | 314,115 | 345,959 | 101,000 | 33,600 | 169,400 | 1,354,096 |
| 1984 | 952 | 10,004 | 37,612 | 37,552 | 79,395 | 69,304 | 233,282 | 220,990 | 36,000 | 252,300 | 977,391 |
| 1985 | 3,500 | 13,700 | 70,200 | 58,000 | 85,300 | 233,085 | 139,100 | 151,400 | 30,400 | 243,100 | 1,027,785 |
| 1986 | 3,500 | 13,000 | 21,527 | 92,900 | 88,100 | 194,023 | 69,300 | 133,801 | 24,500 | 150,100 | 790,751 |
| 1987 | 5,900 | 20,200 | 148,100 | 96,500 | 142,100 | 254,621 | 155,400 | 116,665 | 17,613 | 115,350 | 1,072,449 |
| 1988 | 20,200 | 19,000 | 42,649 | 28,800 | 92,300 | 218,151 | 157,000 | 133,378 | 50,629 | 231,500 | 993,607 |
| 1989 | 1,139 | 23,744 | 51,779 | 120,204 | 265,726 | 270,623 | 227,292 | 185,794 | 41,797 | 205,526 | 1,393,624 |
| 1990 | 11,709 | 15,251 | 48,639 | 113,399 | 157,510 | 245,872 | 204,414 | 98,945 | 24,966 | 379,100 | 1,299,805 |
| 1991 | 4,440 | 13,902 | 28,741 | 43,105 | 100,300 | 259,746 | 66,910 | 114,417 | 43,162 | 117,000 | 791,723 |
| 1992 | 6,656 | 13,751 | 39,831 | 61,537 | 122,777 | 242,749 | 101,015 | 42,368 | 39,502 | 767,000 | 1,437,186 |
| 1993 | 6,892 | 6,464 | 28,092 | 27,311 | 115,086 | 141,964 | 76,248 | 77,824 | 38,970 | 72,400 | 591,251 |
| 1994 | 2,577 | 11,512 | 28,903 | 45,428 | 142,949 | 201,680 | 65,845 | 126,986 | 23,769 | 97,100 | 746,749 |
| 1995 | 2,775 | 13,946 | 38,810 | 42,089 | 93,708 | 123,045 | 187,636 | 194,308 | 29,982 | 135,768 | 862,067 |
| 1996 | 6,644 | 6,290 | 79,885 | 69,545 | 156,788 | 227,552 | 77,741 | 98,309 | 45,210 | 151,848 | 919,812 |
| 1997 | 1,627 | 13,894 | 20,429 | 67,856 | 139,657 | 338,674 | 182,989 | 154,013 | 61,911 | 347,357 | 1,328,407 |
| 1998 | 15,758 | 31,497 | 530,154 | 73,227 | 168,080 | 283,106 | 187,620 | 96,522 | 40,302 | 476,185 | 1,902,451 |
| 1999 | 2,150 | 22,991 | 49,515 | 106,493 | 143,958 | 378,193 | 245,559 | 614,217 | 48,742 | 944,139 | 2,555,957 |
| 2000 | 9,793 | 20,550 | 154,746 | 67,682 | 172,232 | 376,778 | 192,322 | 191,203 | 54,748 | 558,440 | 1,798,494 |
| 2001 | 6,529 | 9,870 | 26,670 | 50,193 | 128,370 | 412,463 | 170,645 | 361,036 | 46,069 | 654,325 | 1,866,170 |
| 2002 | 6,589 | 10,170 | 103,423 | 58,365 | 79,748 | 396,128 | 344,398 | 271,889 | 39,124 | 39,124 | 1,877,544 |
| 2003 | 6,976 | 22,495 | 246,361 | 73,138 | 94,645 | 387,732 | 131,785 | 220,526 | 31,874 | 610,107 | 1,825,639 |
| 2004 | 3,000 | 6,332 | 30,787 | 30,854 | 66,346 | 358,852 | 125,461 | 174,150 | 27,033 | 360,621 | 1,183,436 |
| 2005 | 2,057 | 6,950 | 110,085 | 54,101 | 101,066 | 161,159 | 65,508 | 181,965 | 26,706 | 716,346 | 1,425,943 |
| 2006 | 5,084 | 8,700 | 46,016 | 59,963 | 122,581 | 277,888 | 199,824 | 152,774 | 30,202 | 793,776 | 1,696,808 |
| 2007 | 28,882 | 14,335 | 69,578 | 72,971 | 58,369 | 164,643 | 163,175 | 82,770 | 38,279 | 1,301,969 | 1,994,971 |
| 2008 | 62,229 | 31,199 | 245,384 | 58,124 | 34,977 | 204,830 | 247,706 | 89,684 | 42,899 | 835,534 | 1,852,566 |
| 2009 | 11,958 | 23,504 | 129,894 | 61,462 | 55,519 | 348,690 | 179,738 | 217,533 | 28,710 | 453,426 | 1,510,434 |
| 2010 | 9,392 | 19,250 | 66,000 | 45,586 | 148,284 | 141,986 | 80,343 | 261,395 | 30,196 | 666,575 | 1,469,007 |
| 2011 | 5,334 | 22,973 | 35,378 | 46,092 | 105,265 | 310,257 | 196,098 | 230,992 | 37,152 | 582,587 | 1,572,128 |
| 2012 | 88,698 | 43,489 | 419,307 | 57,687 | 129,547 | 319,183 | 220,503 | 230,444 | 35,199 | 574,828 | 2,118,885 |
| 2013 | 31,699 | 41,495 | 442,753 | 40,641 | 191,132 | 389,062 | 258,167 | 196,823 | 48,567 | 486,306 | 2,126,645 |
| 2014 | 18,721 | 16,540 | 104,730 | 62,843 | 90,723 | 321,464 | 228,692 | 236,720 | 56,569 | 457,567 | 1,594,569 |
| 2015 | 26,558 | 16,580 | 83,581 | 51,387 | 92,663 | 221,097 | 269,723 | 271,875 | 41,026 | 564,868 | 1,639,358 |
| 2016 | 15,444 | 9,229 | 83,966 | 40,209 | 72,775 | 213,806 | 319,012 | 173,541 | 22,425 | 1,000,457 | 1,950,864 |
| 2017 | 3,164 | 23,345 | 97,031 | 9,407 | 89,881 | 195,260 | 355,189 | 136,682 | 29,121 | 1,067,833 | 2,006,913 |
| 2018 | 16,387 | 16,146 | 63,378 | 16,210 | 169,227 | 163,072 | 513,639 | 334,677 | 36,667 | 366,420 | 1,695,823 |
| 2019 | 5,313 | 18,080 | 53,441 | 35,337 | 78,794 | 227,468 | 267,468 | 64,293 | 16,758 | 308,038 | 1,074,990 |
| 2020 | 6,823 | 23,970 | 45,606 | 21,923 | 148,183 | 75,567 | 253,968 | 54,980 | 42,833 | 613,601 | 1,287,454 |
| 2021 | 34,210 | 18,175 | 115,459 | 28,038 | 145,380 | 197,376 | 371,948 | 20,762 | 25,246 | 244,335 | 1,200,929 |
| 2022 | 6,985 | 35,980 | 23,136 | 17,895 | 85,037 | 130,594 | 587,779 | 100,774 | 19,849 | 299,460 | 1,307,489 |
| 2023 | 5,885 | 18,044 | 4,402 | 11,467 | 49,328 | 16,622 | 225,862 | 34,212 | 15,685 | 141,658 | 523,165 |
| 2024 | 43,807 | 66,682 | 34,308 | 15,306 | 116,654 | 16,115 | 479,045 | 64,436 | 9,065 | 246,830 | 1,092,248 |
| AVG | 10,791 | 36,402 | 156,341 | 56,899 | 198,920 | 248,908 | 319,997 | 166,370 | 40,741 | 458,999 | 1,694,368 |

03/21/24

CENTRAL FLYWAY MID-WINTER WATERFOWL SURVEY RESULTS IN 2024 RELATED TO PREVIOUS SURVEYS

| SPECIES | 2024 | 2023 | % Change, 2024 from 2023 | 2010-2019 Avg | % Change, 2024 from 2010-19 Avg | 1948-2023 Avg | % Change, 2024 from 1948-2022 Avg | % Change, 2024 from 2000-2009 Avg | % Change, 2024 from 90-99 Avg | % Change, 2024 from 80-89 Avg | % Change, 2024 from 70-79 Avg | % Change, 2024 from 60-69 Avg | % Change, 2024 from 48-59 Avg |
|-----------------------|------------------|------------------|--------------------------|------------------|---------------------------------|------------------|-----------------------------------|-----------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Mallard | 1,092,248 | 523,165 | 109% | 1,724,918 | -37% | 1,714,063 | -36% | -36% | -12% | -15% | -50% | -42% | -47% |
| Black Duck | 1 | 0 | NA | 2 | -57% | 12 | -92% | -74% | -23% | -62% | -97% | -97% | -92% |
| Mottled Duck | 15,616 | 14,123 | 11% | 23,931 | -35% | 22,910 | -32% | -40% | -51% | -55% | -65% | 641% | 952% |
| Gadwall | 305,756 | 332,061 | -8% | 794,950 | -62% | 315,876 | -3% | -58% | 34% | 110% | 56% | 546% | 1030% |
| Wigeon | 249,925 | 189,411 | 32% | 272,528 | -8% | 177,189 | 41% | -16% | 173% | 187% | 34% | 58% | 89% |
| G-W Teal | 458,060 | 479,316 | -4% | 452,805 | 1% | 375,516 | 22% | -9% | -15% | 6% | -16% | 222% | 496% |
| BW/CIN Teal | 8,102 | 47,728 | -83% | 31,202 | -74% | 25,462 | -68% | -92% | 44% | 36% | -59% | 18% | 688% |
| Shoveler | 80,616 | 30,517 | 164% | 174,595 | -54% | 79,789 | 1% | -40% | 1% | 31% | 0% | 290% | 226% |
| Pintail | 338,520 | 460,383 | -26% | 488,561 | -31% | 693,497 | -51% | -45% | -38% | -43% | -70% | -28% | -67% |
| Wood Duck | 11,566 | 12,799 | -10% | 49,632 | -77% | 11,854 | -2% | -19% | 89% | 266% | | 1149% | 992% |
| Whistling Duck | 3,064 | 0 | 0% | 12,766 | -76% | 6,987 | -56% | -84% | 11% | 308% | | | |
| Total Dabblers | 2,563,474 | 2,089,503 | 23% | 4,025,889 | -36% | 3,419,842 | -25% | -38% | -8% | -3% | -42% | -6% | -23% |
| Redhead | 337,451 | 12,098 | 2689% | 348,410 | -3% | 358,375 | -6% | 28% | 18% | 46% | 14% | 9% | -41% |
| Canvasback | 16,441 | 17,596 | -7% | 46,859 | -65% | 22,664 | -27% | -19% | -26% | -49% | -11% | 93% | 21% |
| Scaup | 89,017 | 162,672 | -45% | 249,583 | -64% | 142,290 | -37% | -58% | 45% | 22% | 15% | 44% | -64% |
| Ringneck | 181,282 | 197,373 | -8% | 266,538 | -32% | 74,228 | 144% | 31% | 193% | 808% | 2986% | 4042% | 5857% |
| Goldeneye | 25,958 | 22,096 | 17% | 34,065 | -24% | 19,650 | 32% | -9% | 45% | 40% | 166% | 132% | 65% |
| Bufflehead | 33,224 | 60,116 | -45% | 21,755 | 53% | 10,024 | 231% | 53% | 181% | 457% | 421% | 884% | 3363% |
| Ruddy Duck | 2,140 | 1,200 | 78% | 3,952 | -46% | 6,939 | -69% | -80% | -67% | -81% | -57% | -80% | -20% |
| Total Divers | 685,513 | 473,151 | 45% | 971,162 | -29% | 634,169 | 8% | -2% | 47% | 75% | 64% | 68% | -20% |
| Scoter | 1 | 0 | 0% | 1 | | 1 | -14% | | | | | | -9% |
| Long-tailed Duck | 1 | 7 | 0% | 1 | | 0 | 106% | | | | | | |
| Mergansers | 64,554 | 95,180 | -32% | 56,696 | 14% | 78,764 | -18% | -21% | -37% | -46% | -19% | -16% | 35% |
| Unident. Ducks | 294,928 | 465,974 | -37% | 299,320 | -1% | 114,837 | 157% | 114% | 27% | 927% | 695% | 1715% | 410% |
| TOTAL DUCKS | 3,608,471 | 3,123,815 | 16% | 5,353,069 | -33% | 4,247,612 | -15% | -29% | | 13% | -27% | 12% | -16% |
| Brant | 0 | 0 | | 0 | | 0 | | | | -100% | | | |
| Snow/Blue Goose | 1,976,229 | 1,763,522 | 12% | 1,217,449 | 62% | 823,117 | 140% | 106% | 84% | 117% | 202% | 555% | 414% |
| Ross's Goose | 7,490 | 4,079 | 84% | 20,239 | -63% | 9,407 | -42% | 82% | | | | | |
| White-fronted Goose | 79,342 | 69,258 | 15% | 100,763 | -21% | 94,808 | -16% | -54% | -56% | -37% | 63% | 391% | 230% |
| Canada goose | 1,501,473 | 1,086,783 | 38% | 1,706,008 | -12% | 908,099 | 65% | 1% | 10% | 69% | 231% | 584% | 944% |
| TOTAL GEESE | 3,564,534 | 2,923,642 | 22% | 3,044,459 | 17% | 1,830,790 | 95% | 35% | 36% | 85% | 208% | 564% | 545% |
| Tundra Swan | 12 | 50 | -76% | 21 | -43% | 14 | -15% | -5% | 74% | 500% | 33% | -42% | -47% |
| Trumpeter Swan | 820 | 1,260 | -35% | 860 | -5% | 349 | 135% | 66% | 310% | 370% | 666% | 413% | 428% |
| Mute Swan | 4 | 3 | 0% | 1 | 186% | 1 | 219% | 54% | 700% | | | | 167% |
| Unident. Swans | 69 | 34 | 103% | 49 | 40% | 21 | 223% | 443% | 1202% | | | #DIV/0! | |
| TOTAL SWANS | 905 | 1,347 | -33% | 932 | -3% | 375 | 141% | 73% | 326% | 413% | 680% | 398% | 409% |
| Coot | 94,316 | 107,311 | -12% | 291,091 | -68% | 251,884 | -63% | -77% | -62% | -67% | -56% | -61% | -14% |
| GRAND TOTAL | 7,268,226 | 6,156,115 | 18% | 8,689,551 | -16% | 6,330,662 | 15% | -10% | 13% | 35% | 16% | 81% | 47% |

03/21/24

**MID-WINTER WATERFOWL SURVEY
CENTRAL FLYWAY**

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CENTRAL FLYWAY MID-WINTER WATERFOWL SURVEY RESULTS, 2020-29

| SPECIES | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2020-2023 AVG |
|-----------------------|------------------|------------------|------------------|------------------|------------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
| Mallard | 1,287,454 | 1,200,929 | 1,307,489 | 523,165 | 1,092,248 | | | | | | 1,079,759 |
| Black Duck | 1 | 1 | 1 | 0 | 1 | | | | | | 1 |
| Mottled Duck | 22,970 | 17,778 | 22,106 | 14,123 | 15,616 | | | | | | 19,244 |
| Gadwall | 848,815 | 569,907 | 540,966 | 332,061 | 305,756 | | | | | | 572,937 |
| Wigeon | 311,795 | 183,956 | 287,437 | 189,411 | 249,925 | | | | | | 243,150 |
| G-W Teal | 421,034 | 236,250 | 464,158 | 479,316 | 458,060 | | | | | | 400,190 |
| BW/CIN Teal | 89,748 | 124,249 | 20,282 | 47,728 | 8,102 | | | | | | 70,502 |
| Shoveler | 39,378 | 96,387 | 38,461 | 30,517 | 80,616 | | | | | | 51,186 |
| Pintail | 867,015 | 169,063 | 212,935 | 460,383 | 338,520 | | | | | | 427,349 |
| Wood Duck | 19,210 | 8,671 | 12,050 | 12,799 | 11,566 | | | | | | 13,183 |
| Whistling Duck | 13,391 | 0 | 0 | 0 | 3,064 | | | | | | 3,348 |
| Total Dabblers | 3,920,811 | 2,607,191 | 2,905,885 | 2,089,503 | 2,563,474 | 0 | 0 | 0 | 0 | 0 | 2,880,848 |
| Redhead | 818,626 | 510,298 | 1,364,504 | 12,098 | 337,451 | | | | | | 676,382 |
| Canvasback | 29,342 | 11,006 | 8,977 | 17,596 | 16,441 | | | | | | 16,730 |
| Scaup | 142,254 | 123,891 | 106,893 | 162,672 | 89,017 | | | | | | 133,928 |
| Ringneck | 191,252 | 132,249 | 240,050 | 197,373 | 181,282 | | | | | | 190,231 |
| Goldeneye | 38,078 | 25,595 | 21,419 | 22,096 | 25,958 | | | | | | 26,797 |
| Bufflehead | 10,643 | 10,101 | 9,335 | 60,116 | 33,224 | | | | | | 22,549 |
| Ruddy Duck | 2,094 | 3,030 | 3,454 | 1,200 | 2,140 | | | | | | 2,445 |
| Total Divers | 1,232,289 | 816,170 | 1,754,632 | 473,151 | 685,513 | 0 | 0 | 0 | 0 | 0 | 1,069,061 |
| Scoter | 0 | 0 | 30 | 0 | 1 | | | | | | 10 |
| Long-tailed Duck | 0 | 1 | 0 | 7 | 1 | | | | | | 0 |
| Mergansers | 39,563 | 36,611 | 71,165 | 95,180 | 64,554 | | | | | | 49,113 |
| Unident. Ducks | 197,601 | 96,697 | 110,046 | 465,974 | 294,928 | | | | | | 134,781 |
| TOTAL DUCKS | 5,390,264 | 3,556,670 | 4,841,758 | 3,123,815 | 3,608,471 | 0 | 0 | 0 | 0 | 0 | 4,596,231 |
| Brant | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| Snow/Blue Goose | 1,853,019 | 2,288,560 | 1,810,230 | 1,763,522 | 1,976,229 | | | | | | 1,983,936 |
| Ross's Goose | 6,061 | 3,596 | 3,093 | 4,079 | 7,490 | | | | | | 4,250 |
| White-fronted Goose | 113,720 | 119,414 | 148,333 | 69,258 | 79,342 | | | | | | 127,156 |
| Canada goose | 1,490,344 | 1,545,582 | 2,109,541 | 1,086,783 | 1,501,473 | | | | | | 1,715,156 |
| TOTAL GEESE | 3,463,144 | 3,957,152 | 4,071,197 | 2,923,642 | 3,564,534 | 0 | 0 | 0 | 0 | 0 | 3,830,498 |
| Tundra Swan | 38 | 23 | 2 | 50 | 12 | | | | | | 21 |
| Trumpeter Swan | 742 | 1,731 | 1,856 | 1,260 | 820 | | | | | | 1,443 |
| Mute Swan | 4 | 0 | 0 | 3 | 4 | | | | | | 1 |
| Unident. Swans | 52 | 15 | 136 | 34 | 69 | | | | | | 68 |
| TOTAL SWANS | 836 | 1,769 | 1,994 | 1,347 | 905 | 0 | 0 | 0 | 0 | 0 | 1,533 |
| Coot | 372,943 | 236,801 | 89,073 | 107,311 | 94,316 | | | | | | 232,939 |
| GRAND TOTAL | 9,227,187 | 7,752,392 | 9,004,022 | 6,156,115 | 7,268,226 | 0 | 0 | 0 | 0 | 0 | 8,661,200 |

CENTRAL FLYWAY MID-WINTER WATERFOWL SURVEY RESULTS, 2010-19

| SPECIES | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2010-2019 AVG |
|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|------------------|------------------|--------------------------|
| Mallard | 1,469,007 | 1,572,128 | 2,118,885 | 2,126,645 | 1,594,569 | 1,639,358 | 1,950,864 | 2,006,913 | 1,695,823 | 1,074,990 | 1,724,918 |
| Black Duck | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 21 | 2 |
| Mottled Duck | 23,314 | 39,458 | 30,624 | 27,771 | 32,736 | 17,028 | 15,980 | 21,346 | 14,653 | 16,403 | 23,931 |
| Gadwall | 787,075 | 762,915 | 922,231 | 850,676 | 749,838 | 855,423 | 749,857 | 738,381 | 864,317 | 668,789 | 794,950 |
| Wigeon | 423,296 | 223,430 | 191,135 | 247,730 | 152,654 | 235,511 | 377,884 | 286,856 | 284,905 | 301,874 | 272,528 |
| G-W Teal | 360,769 | 311,314 | 397,317 | 327,047 | 651,258 | 313,029 | 791,179 | 764,741 | 354,028 | 257,364 | 452,805 |
| BW/CIN Teal | 25,924 | 75,720 | 14,105 | 2,129 | 6,082 | 28,009 | 14,241 | 23,921 | 60,445 | 61,444 | 31,202 |
| Shoveler | 195,455 | 138,215 | 188,706 | 164,150 | 314,432 | 169,464 | 124,934 | 220,882 | 105,641 | 124,066 | 174,595 |
| Pintail | 421,008 | 450,689 | 350,685 | 208,541 | 616,586 | 542,039 | 601,578 | 1,152,520 | 220,155 | 321,808 | 488,561 |
| Wood Duck | 12,109 | 57,522 | 18,259 | 52,802 | 25,296 | 57,513 | 58,067 | 115,947 | 65,803 | 33,001 | 49,632 |
| Whistling Duck | 280 | 0 | 0 | 15,635 | 0 | 0 | 14,065 | 1,823 | 37,790 | 58,064 | 12,766 |
| Total Dabblers | 3,718,237 | 3,631,391 | 4,231,947 | 4,023,126 | 4,143,452 | 3,857,374 | 4,698,650 | 5,333,330 | 3,703,560 | 2,917,824 | 4,025,889 |
| Redhead | 36,970 | 209,121 | 318,626 | 185,327 | 184,002 | 431,203 | 333,393 | 851,403 | 87,970 | 846,081 | 348,410 |
| Canvasback | 36,486 | 33,436 | 29,269 | 22,818 | 52,610 | 26,855 | 29,376 | 86,278 | 30,619 | 120,842 | 46,859 |
| Scaup | 419,805 | 216,183 | 270,854 | 129,870 | 360,362 | 142,532 | 89,748 | 242,400 | 152,124 | 471,953 | 249,583 |
| Ringneck | 279,816 | 278,133 | 169,012 | 303,730 | 259,912 | 356,955 | 262,663 | 281,842 | 269,206 | 204,113 | 266,538 |
| Goldeneye | 35,685 | 24,668 | 39,644 | 38,426 | 22,217 | 33,740 | 37,702 | 36,972 | 23,770 | 47,823 | 34,065 |
| Bufflehead | 34,510 | 13,618 | 34,112 | 18,568 | 21,737 | 34,121 | 11,881 | 22,727 | 14,318 | 11,961 | 21,755 |
| Ruddy Duck | 2,600 | 3,189 | 1,644 | 5,463 | 6,508 | 6,050 | 3,035 | 3,026 | 4,855 | 3,147 | 3,952 |
| Total Divers | 845,872 | 778,348 | 863,161 | 704,202 | 907,348 | 1,031,456 | 767,798 | 1,524,648 | 582,862 | 1,705,920 | 971,162 |
| Scoter | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 |
| Long-tailed Duck | 2 | 0 | 1 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 1 |
| Mergansers | 54,125 | 57,947 | 37,103 | 62,342 | 40,747 | 81,753 | 55,468 | 55,960 | 69,660 | 51,856 | 56,696 |
| Unident. Ducks | 207,024 | 351,528 | 154,483 | 346,609 | 415,259 | 460,269 | 350,428 | 332,019 | 213,543 | 162,038 | 299,320 |
| TOTAL DUCKS | 4,825,260 | 4,819,214 | 5,286,695 | 5,136,279 | 5,506,806 | 5,430,859 | 5,872,344 | 7,245,957 | 4,569,626 | 4,837,645 | 5,353,069 |
| Brant | 0 | 0 | 0 | 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 | 1,403,936 | 1,122,808 | 1,797,250 | 1,208,927 | 1,217,449 |
| Ross's Goose | 16,536 | 31,493 | 41,212 | 44,008 | 17,866 | 9,121 | 17,943 | 12,528 | 11,319 | 366 | 20,239 |
| White-fronted Goose | 161,119 | 128,171 | 78,812 | 48,187 | 27,006 | 69,266 | 107,828 | 101,384 | 110,572 | 175,285 | 100,763 |
| Canada goose | 1,445,762 | 1,540,347 | 1,708,955 | 1,693,482 | 1,603,125 | 1,813,801 | 1,550,994 | 1,719,578 | 2,434,766 | 1,549,268 | 1,706,008 |
| TOTAL GEESE | 2,463,759 | 2,923,384 | 2,609,525 | 3,093,187 | 2,854,765 | 3,175,222 | 3,080,701 | 2,956,298 | 4,353,907 | 2,933,846 | 3,044,459 |
| Tundra Swan | 22 | 14 | 32 | 59 | 17 | 24 | 0 | 10 | 15 | 19 | 21 |
| Trumpeter Swan | 592 | 790 | 808 | 785 | 491 | 782 | 703 | 931 | 1,318 | 1,402 | 860 |
| Mute Swan | 0 | 0 | 8 | 1 | 0 | 3 | 0 | 0 | 0 | 2 | 1 |
| Unident. Swans | 63 | 61 | 14 | 28 | 73 | 91 | 26 | 63 | 58 | 17 | 49 |
| TOTAL SWANS | 677 | 865 | 862 | 873 | 581 | 900 | 729 | 1,004 | 1,391 | 1,440 | 932 |
| Coot | 460,300 | 592,219 | 75,811 | 225,364 | 189,026 | 222,137 | 349,085 | 442,361 | 224,393 | 130,211 | 291,091 |
| GRAND TOTAL | 7,749,996 | 8,335,682 | 7,972,893 | 8,455,703 | 8,551,178 | 8,829,118 | 9,302,859 | 10,645,620 | 9,149,317 | 7,903,142 | 8,689,551 |

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

| SPECIES | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2000-2009 AVG |
|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------|
| 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 |
| Total Dabblers | 4,141,304 | 3,385,034 | 3,822,253 | 4,131,186 | 4,020,570 | 3,653,999 | 4,368,368 | 4,271,441 | 5,662,649 | 3,959,615 | 4,141,642 |
| 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 |
| Total Divers | 522,810 | 550,637 | 888,623 | 864,584 | 604,728 | 731,170 | 693,155 | 261,953 | 601,227 | 1,241,568 | 696,046 |
| 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 |
| TOTAL DUCKS | 5,087,374 | 4,090,110 | 4,974,802 | 5,186,617 | 4,793,563 | 4,617,580 | 5,212,275 | 4,596,007 | 6,570,328 | 5,447,160 | 5,057,582 |
| 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 |
| TOTAL GEESE | 2,740,212 | 2,285,267 | 2,661,532 | 2,752,241 | 2,550,537 | 2,440,191 | 2,701,879 | 3,087,911 | 2,483,856 | 2,650,467 | 2,635,409 |
| 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 |
| TOTAL SWANS | 409 | 335 | 265 | 424 | 317 | 634 | 650 | 791 | 675 | 717 | 522 |
| Coot | 218,707 | 265,066 | 549,363 | 346,894 | 561,937 | 245,746 | 290,874 | 437,764 | 732,687 | 414,100 | 406,314 |
| GRAND TOTAL | 8,046,702 | 6,640,778 | 8,185,962 | 8,286,176 | 7,906,354 | 7,304,151 | 8,205,678 | 8,122,473 | 9,787,546 | 8,512,444 | 8,099,826 |

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

| SPECIES | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 1990-1999 AVG |
|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------|
| 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 |
| Total Dabblers | 2,448,239 | 1,123,435 | 3,517,369 | 1,535,800 | 1,724,597 | 4,126,543 | 1,823,898 | 2,859,238 | 3,696,067 | 4,907,343 | 2,776,253 |
| 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 |
| Total Divers | 330,305 | 257,053 | 353,147 | 457,818 | 394,632 | 749,430 | 408,714 | 451,644 | 562,025 | 711,072 | 467,584 |
| 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 |
| TOTAL DUCKS | 3,351,145 | 1,518,968 | 4,010,719 | 2,104,425 | 2,229,324 | 4,947,113 | 2,374,181 | 4,103,052 | 5,029,373 | 6,115,085 | 3,578,339 |
| 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 |
| TOTAL GEESE | 1,960,845 | 2,708,244 | 2,861,824 | 2,128,239 | 2,306,513 | 2,860,797 | 2,417,050 | 2,862,124 | 2,909,575 | 3,191,992 | 2,620,720 |
| 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 |
| TOTAL SWANS | 173 | 215 | 167 | 174 | 256 | 273 | 235 | 180 | 286 | 167 | 213 |
| Coot | 273,221 | 75,155 | 127,631 | 98,390 | 153,174 | 289,636 | 246,531 | 135,878 | 658,349 | 443,535 | 250,150 |
| GRAND TOTAL | 5,585,384 | 4,302,582 | 7,000,341 | 4,331,228 | 4,689,267 | 8,097,819 | 5,037,997 | 7,101,234 | 8,597,583 | 9,750,779 | 6,449,421 |

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

| SPECIES | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1980-1989 AVG |
|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------|
| 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 |
| Total Dabblers | 4,722,662 | 3,296,166 | 2,799,174 | 2,271,309 | 2,175,137 | 2,249,602 | 1,632,801 | 2,441,454 | 2,780,676 | 2,046,945 | 2,641,593 |
| 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 |
| Total Divers | 347,327 | 366,081 | 443,042 | 371,567 | 409,104 | 275,122 | 459,197 | 472,263 | 369,093 | 401,374 | 391,417 |
| 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 |
| TOTAL DUCKS | 5,185,430 | 3,995,714 | 3,327,131 | 2,801,200 | 2,651,892 | 2,646,081 | 2,184,223 | 3,036,754 | 3,272,734 | 2,718,475 | 3,181,963 |
| 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 |
| TOTAL GEESE | 1,616,629 | 2,032,582 | 2,108,498 | 1,949,341 | 1,676,319 | 1,985,335 | 1,810,358 | 2,184,933 | 1,888,854 | 1,990,508 | 1,924,336 |
| 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 |
| TOTAL SWANS | 203 | 139 | 230 | 215 | 158 | 194 | 152 | 19 | 224 | 229 | 176 |
| Coot | 350,462 | 317,200 | 325,700 | 216,870 | 388,892 | 208,600 | 158,450 | 234,850 | 421,800 | 240,616 | 286,344 |
| GRAND TOTAL | 7,152,724 | 6,345,635 | 5,761,559 | 4,967,626 | 4,717,261 | 4,840,210 | 4,153,183 | 5,456,556 | 5,583,612 | 4,949,828 | 5,392,819 |

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JANUARY 2023 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY¹

| SPECIES | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|-----------------------|---------------|----------------|---------------|---------------|----------------|----------------|------------------|----------------|----------------|------------------|------------------|
| Mallard | 5,885 | 18,044 | 4,402 | 11,467 | 49,328 | 16,622 | 225,862 | 34,212 | 15,685 | 141,658 | 523,165 |
| Black Duck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mottled Duck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14,123 | 14,123 |
| Gadwall | 0 | 0 | 0 | 0 | 330 | 9 | 2,061 | 2,646 | 654 | 326,361 | 332,061 |
| Wigeon | 1 | 0 | 0 | 0 | 1,977 | 3 | 319 | 251 | 7,953 | 178,907 | 189,411 |
| G-W Teal | 0 | 0 | 0 | 0 | 220 | 31 | 5,025 | 4,032 | 15,652 | 454,356 | 479,316 |
| BW/CIN Teal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47,728 | 47,728 |
| Shoveler | 0 | 0 | 0 | 0 | 929 | 4 | 1,034 | 114 | 2,959 | 25,477 | 30,517 |
| Pintail | 0 | 0 | 0 | 0 | 1,073 | 0 | 846 | 211 | 21,672 | 436,581 | 460,383 |
| Wood Duck | 0 | 0 | 0 | 0 | 132 | 3 | 15 | 536 | 2 | 12,111 | 12,799 |
| Whistling Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Dabblers | 5,886 | 18,044 | 4,402 | 11,467 | 53,989 | 16,672 | 235,162 | 42,002 | 64,577 | 1,637,302 | 2,089,503 |
| Redhead | 0 | 0 | 0 | 0 | 136 | 7 | 221 | 430 | 278 | 11,026 | 12,098 |
| Canvasback | 0 | 0 | 0 | 0 | 88 | 0 | 253 | 462 | 130 | 16,663 | 17,596 |
| Scaup | 0 | 0 | 0 | 0 | 311 | 141 | 1,382 | 1,689 | 687 | 158,462 | 162,672 |
| Ringnecked duck | 0 | 0 | 0 | 0 | 251 | 34 | 1,509 | 524 | 112 | 194,943 | 197,373 |
| Goldeneyes | 147 | 1,261 | 9 | 2,255 | 787 | 1,613 | 10,241 | 5,243 | 12 | 528 | 22,096 |
| Bufflehead | 0 | 16 | 0 | 0 | 354 | 379 | 427 | 1,322 | 349 | 57,269 | 60,116 |
| Ruddy Duck | 0 | 0 | 0 | 0 | 36 | 0 | 407 | 3 | 53 | 701 | 1,200 |
| Total Divers | 147 | 1,277 | 9 | 2,255 | 1,963 | 2,174 | 14,440 | 9,673 | 1,621 | 439,592 | 473,151 |
| Eiders | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Scoters | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Long-tailed Ducks | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 7 |
| Mergansers | 40 | 267 | 193 | 159 | 1,714 | 483 | 23,979 | 2,574 | 5,937 | 59,834 | 95,180 |
| Unident. Ducks | 0 | 0 | 0 | 0 | 2,260 | 13,905 | 2,605 | 195 | 0 | 447,009 | 465,974 |
| Total Ducks | 6,074 | 19,588 | 4,604 | 13,881 | 59,926 | 33,234 | 276,192 | 54,444 | 72,135 | 2,583,737 | 3,123,815 |
| Brant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Snow/Blue Goose | 0 | 0 | 0 | 0 | 75,785 | 177 | 1,365,211 | 77,192 | 10,711 | 234,446 | 1,763,522 |
| Ross's Goose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,079 | 0 | 0 | 4,079 |
| Whitefront | 0 | 0 | 0 | 0 | 0 | 5 | 3,714 | 480 | 0 | 65,059 | 69,258 |
| Canada/Cackling Goose | 28,847 | 94,154 | 19,642 | 49,279 | 139,652 | 202,738 | 111,132 | 119,861 | 19,225 | 302,253 | 1,086,783 |
| Total Geese | 28,847 | 94,154 | 19,642 | 49,279 | 215,437 | 202,920 | 1,480,057 | 201,612 | 29,936 | 601,758 | 2,923,642 |
| Tundra Swan | 0 | 0 | 0 | 44 | 0 | 0 | 0 | 6 | 0 | 0 | 50 |
| Trumpeter Swan | 0 | 0 | 36 | 44 | 5 | 962 | 210 | 0 | 0 | 3 | 1,260 |
| Mute Swan | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 3 |
| Unident. Swans | 0 | 10 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 21 | 34 |
| Total Swans | 0 | 10 | 36 | 88 | 8 | 962 | 213 | 6 | 0 | 24 | 1,347 |
| Coot | 0 | 0 | 0 | 0 | 965 | 0 | 143 | 738 | 3,267 | 102,198 | 107,311 |
| Grand Total | 34,921 | 113,752 | 24,282 | 63,248 | 276,336 | 237,116 | 1,756,605 | 256,800 | 105,338 | 3,287,717 | 6,156,115 |

¹In TX, SGP and TGP counts (CFAN beginning in 2014) 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 2022 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY¹

| SPECIES | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|-----------------------|---------------|----------------|----------------|---------------|----------------|----------------|------------------|----------------|----------------|------------------|------------------|
| Mallard | 6,985 | 35,980 | 23,136 | 17,895 | 85,037 | 130,594 | 587,779 | 100,774 | 19,849 | 299,460 | 1,307,489 |
| Black Duck | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Mottled Duck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22,106 | 22,106 |
| Gadwall | 0 | 0 | 10 | 0 | 524 | 35 | 3,745 | 3,190 | 1,519 | 531,943 | 540,966 |
| Wigeon | 0 | 0 | 10 | 0 | 548 | 4 | 6,217 | 822 | 12,415 | 267,421 | 287,437 |
| G-W Teal | 0 | 0 | 0 | 0 | 472 | 570 | 10,423 | 5,083 | 12,474 | 435,136 | 464,158 |
| BW/CIN Teal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20,282 | 20,282 |
| Shoveler | 0 | 0 | 0 | 0 | 3,245 | 4 | 3,817 | 1,052 | 1,007 | 29,336 | 38,461 |
| Pintail | 75 | 0 | 10 | 0 | 1,186 | 75 | 7,296 | 2,893 | 13,118 | 188,282 | 212,935 |
| Wood Duck | 0 | 0 | 0 | 0 | 132 | 2 | 330 | 940 | 0 | 10,646 | 12,050 |
| Whistling Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Dabblers | 7,060 | 35,980 | 23,166 | 17,895 | 91,144 | 131,284 | 619,608 | 114,754 | 60,382 | 1,804,611 | 2,905,884 |
| Redhead | 25 | 0 | 4 | 0 | 417 | 2 | 226 | 43 | 210 | 1,363,577 | 1,364,504 |
| Canvasback | 0 | 0 | 22 | 0 | 217 | 4 | 152 | 247 | 70 | 8,265 | 8,977 |
| Scaup | 150 | 0 | 20 | 0 | 456 | 353 | 1,171 | 992 | 255 | 103,496 | 106,893 |
| Ringnecked duck | 20 | 0 | 0 | 0 | 420 | 11 | 1,968 | 3,064 | 132 | 234,435 | 240,050 |
| Goldeneyes | 110 | 3,490 | 140 | 787 | 1,340 | 1,177 | 9,133 | 4,320 | 142 | 780 | 21,419 |
| Bufflehead | 53 | 0 | 26 | 0 | 539 | 183 | 950 | 1,482 | 346 | 5,756 | 9,335 |
| Ruddy Duck | 0 | 0 | 0 | 0 | 34 | 0 | 1,866 | 1,489 | 65 | 0 | 3,454 |
| Total Divers | 358 | 3,490 | 212 | 787 | 3,423 | 1,730 | 15,466 | 11,637 | 1,220 | 1,716,309 | 1,754,632 |
| Eiders | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Scoters | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 30 |
| Long-tailed Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mergansers | 433 | 12 | 2,096 | 36 | 3,305 | 10,951 | 37,533 | 1,434 | 4,415 | 10,950 | 71,165 |
| Unident. Ducks | 0 | 0 | 2,737 | 0 | 7,402 | 385 | 7,800 | 3,558 | 0 | 88,164 | 110,046 |
| Total Ducks | 7,852 | 39,482 | 28,211 | 18,718 | 105,274 | 144,350 | 680,437 | 131,383 | 66,017 | 3,620,034 | 4,841,757 |
| Brant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Snow/Blue Goose | 0 | 0 | 1,545 | 0 | 155,048 | 25,497 | 1,176,467 | 56,798 | 12,575 | 382,300 | 1,810,230 |
| Ross's Goose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,093 | 0 | 0 | 3,093 |
| Whitefront | 0 | 0 | 0 | 0 | 1 | 18 | 19,281 | 5,100 | 0 | 123,933 | 148,333 |
| Canada Goose | 81,154 | 183,987 | 182,125 | 78,101 | 241,692 | 338,996 | 497,313 | 76,805 | 16,956 | 412,412 | 2,109,541 |
| Total Geese | 81,154 | 183,987 | 183,670 | 78,101 | 396,741 | 364,511 | 1,693,061 | 141,796 | 29,531 | 918,645 | 4,071,197 |
| Tundra Swan | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Trumpeter Swan | 1 | 0 | 500 | 78 | 2 | 1,235 | 40 | 0 | 0 | 0 | 1,856 |
| Mute Swan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unident. Swans | 0 | 0 | 0 | 0 | 9 | 0 | 106 | 0 | 0 | 21 | 136 |
| Total Swans | 1 | 0 | 500 | 78 | 13 | 1,235 | 146 | 0 | 0 | 21 | 1,994 |
| Coot | 2 | 0 | 20 | 0 | 3,106 | 2 | 4,213 | 4,016 | 5,003 | 72,711 | 89,073 |
| Grand Total | 89,009 | 223,469 | 212,401 | 96,897 | 505,134 | 510,098 | 2,377,857 | 277,195 | 100,551 | 4,611,411 | 9,004,021 |

¹In 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 2021 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY¹

| SPECIES | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|-----------------------|----------------|----------------|----------------|---------------|----------------|----------------|------------------|----------------|----------------|------------------|------------------|
| Mallard | 34,210 | 18,175 | 115,459 | 28,038 | 145,380 | 197,376 | 371,948 | 20,762 | 25,246 | 244,335 | 1,200,929 |
| Black Duck | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Mottled Duck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17,778 | 17,778 |
| Gadwall | 1 | 0 | 27 | 40 | 1,007 | 19 | 6,007 | 2,142 | 1,435 | 559,229 | 569,907 |
| Wigeon | 1 | 40 | 24 | 12 | 933 | 12 | 2,072 | 1,928 | 8,711 | 170,223 | 183,956 |
| G-W Teal | 0 | 0 | 0 | 241 | 638 | 239 | 17,759 | 8,958 | 7,533 | 200,882 | 236,250 |
| BW/CIN Teal | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 100 | 0 | 124,112 | 124,249 |
| Shoveler | 0 | 0 | 0 | 0 | 5,359 | 11 | 6,305 | 1,175 | 735 | 82,802 | 96,387 |
| Pintail | 3 | 0 | 0 | 0 | 364 | 102 | 7,131 | 3,563 | 13,411 | 144,489 | 169,063 |
| Wood Duck | 1 | 0 | 0 | 0 | 165 | 0 | 102 | 215 | 24 | 8,164 | 8,671 |
| Whistling Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Dabblers | 34,216 | 18,215 | 115,510 | 28,331 | 153,846 | 197,759 | 411,362 | 38,843 | 57,095 | 1,552,014 | 2,607,191 |
| Redhead | 0 | 0 | 23 | 0 | 635 | 15 | 948 | 686 | 770 | 507,221 | 510,298 |
| Canvasback | 0 | 0 | 1 | 0 | 157 | 0 | 330 | 2,238 | 310 | 7,970 | 11,006 |
| Scaup | 3 | 0 | 0 | 0 | 219 | 0 | 395 | 2,217 | 180 | 120,877 | 123,891 |
| Ringnecked duck | 0 | 0 | 0 | 0 | 1,569 | 1 | 4,743 | 2,494 | 164 | 123,278 | 132,249 |
| Goldeneyes | 121 | 810 | 566 | 2,881 | 1,002 | 7,626 | 9,340 | 342 | 65 | 2,842 | 25,595 |
| Bufflehead | 1 | 0 | 29 | 0 | 392 | 222 | 1,023 | 532 | 385 | 7,517 | 10,101 |
| Ruddy Duck | 0 | 0 | 18 | 0 | 64 | 0 | 1,642 | 1,124 | 31 | 151 | 3,030 |
| Total Divers | 125 | 810 | 637 | 2,881 | 4,038 | 7,864 | 18,421 | 9,633 | 1,905 | 769,856 | 816,170 |
| Scoters | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Long-tailed Ducks | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Mergansers | 377 | 50 | 746 | 248 | 2,844 | 924 | 9,706 | 1,693 | 5,667 | 14,356 | 36,611 |
| Unident. Ducks | 0 | 0 | 0 | 0 | 5,330 | 202 | 13,560 | 3,792 | 0 | 73,813 | 96,697 |
| Total Ducks | 34,718 | 19,075 | 116,893 | 31,460 | 166,059 | 206,749 | 453,049 | 53,961 | 64,667 | 2,410,039 | 3,556,670 |
| Brant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Snow/Blue Goose | 0 | 10 | 2,141 | 0 | 270,941 | 21,863 | 1,479,298 | 73,983 | 28,480 | 411,844 | 2,288,560 |
| Ross's Goose | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3,593 | 0 | 0 | 3,596 |
| Whitefront | 0 | 0 | 0 | 0 | 0 | 4 | 29,199 | 15,409 | 0 | 74,802 | 119,414 |
| Canada Goose | 164,940 | 250,355 | 88,747 | 31,189 | 273,764 | 166,784 | 208,668 | 63,337 | 26,284 | 271,514 | 1,545,582 |
| Total Geese | 164,940 | 250,365 | 90,888 | 31,189 | 544,705 | 188,654 | 1,717,165 | 156,322 | 54,764 | 758,160 | 3,957,152 |
| Tundra Swan | 0 | 1 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 23 |
| Trumpeter Swan | 0 | 0 | 511 | 46 | 0 | 1,039 | 135 | 0 | 0 | 0 | 1,731 |
| Mute Swan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unident. Swans | 0 | 4 | 0 | 0 | 8 | 0 | 3 | 0 | 0 | 0 | 15 |
| Total Swans | 0 | 5 | 511 | 46 | 8 | 1,039 | 160 | 0 | 0 | 0 | 1,769 |
| Coot | 0 | 0 | 25 | 0 | 2,081 | 2 | 7,638 | 3,862 | 8,632 | 214,561 | 236,801 |
| Grand Total | 199,658 | 269,445 | 208,317 | 62,695 | 712,853 | 396,444 | 2,178,012 | 214,145 | 128,063 | 3,382,760 | 7,752,392 |

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¹In 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 2020 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY¹

| SPECIES | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|-----------------------|----------------|----------------|----------------|---------------|----------------|----------------|------------------|----------------|----------------|------------------|------------------|
| Mallard | 6,823 | 23,970 | 45,606 | 21,923 | 148,183 | 75,567 | 253,968 | 54,980 | 42,833 | 613,601 | 1,287,454 |
| Black Duck | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Mottled Duck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22,970 | 22,970 |
| Gadwall | 0 | 0 | 10 | 3 | 4,298 | 1 | 1,125 | 5,005 | 184 | 838,189 | 848,815 |
| Wigeon | 1 | 0 | 10 | 15 | 6,800 | 0 | 3,460 | 329 | 7,041 | 294,139 | 311,795 |
| G-W Teal | 0 | 0 | 0 | 63 | 533 | 25 | 6,283 | 3,562 | 3,431 | 407,137 | 421,034 |
| BW/CIN Teal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 89,743 | 89,748 |
| Shoveler | 0 | 0 | 0 | 0 | 2,484 | 0 | 1,502 | 1,607 | 1,517 | 32,268 | 39,378 |
| Pintail | 0 | 0 | 1 | 0 | 1,271 | 1 | 6,334 | 3,898 | 30,401 | 825,109 | 867,015 |
| Wood Duck | 0 | 0 | 0 | 0 | 63 | 1 | 110 | 968 | 0 | 18,068 | 19,210 |
| Whistling Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13,391 | 13,391 |
| Total Dabblers | 6,824 | 23,970 | 45,627 | 22,004 | 163,632 | 75,595 | 272,783 | 70,354 | 85,407 | 3,154,615 | 3,920,811 |
| Redhead | 0 | 0 | 7 | 0 | 1,549 | 2 | 6,668 | 90 | 925 | 809,385 | 818,626 |
| Canvasback | 0 | 0 | 0 | 0 | 541 | 0 | 246 | 106 | 1,565 | 26,884 | 29,342 |
| Scaup | 0 | 0 | 0 | 0 | 118 | 12 | 1,220 | 1,185 | 4 | 139,715 | 142,254 |
| Ringnecked duck | 0 | 0 | 4 | 0 | 594 | 0 | 5,404 | 1,943 | 309 | 182,998 | 191,252 |
| Goldeneyes | 237 | 2,250 | 321 | 3,588 | 5,112 | 57 | 24,793 | 614 | 112 | 994 | 38,078 |
| Bufflehead | 0 | 0 | 15 | 0 | 1,016 | 84 | 2,109 | 1,143 | 465 | 5,811 | 10,643 |
| Ruddy Duck | 0 | 0 | 0 | 0 | 50 | 0 | 907 | 1,035 | 102 | 0 | 2,094 |
| Total Divers | 237 | 2,250 | 347 | 3,588 | 8,980 | 155 | 41,347 | 6,116 | 3,482 | 1,165,787 | 1,232,289 |
| 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 | 420 | 160 | 458 | 195 | 1,562 | 106 | 21,633 | 4,206 | 3,729 | 7,094 | 39,563 |
| Unident. Ducks | 0 | 0 | 0 | 0 | 1,852 | 400 | 3,169 | 2,516 | 0 | 189,664 | 197,601 |
| Total Ducks | 7,481 | 26,380 | 46,432 | 25,787 | 176,026 | 76,256 | 338,932 | 83,192 | 92,618 | 4,517,160 | 5,390,264 |
| Brant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Snow/Blue Goose | 4 | 0 | 2,753 | 0 | 200,873 | 181,586 | 973,958 | 63,805 | 18,100 | 411,940 | 1,853,019 |
| Ross's Goose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,061 | 0 | 0 | 6,061 |
| Whitefront | 0 | 0 | 0 | 0 | 3 | 208 | 14,569 | 4,306 | 0 | 94,634 | 113,720 |
| Canada Goose | 93,938 | 181,350 | 72,233 | 40,703 | 214,643 | 123,392 | 149,754 | 77,826 | 19,247 | 517,258 | 1,490,344 |
| Total Geese | 93,942 | 181,350 | 74,986 | 40,703 | 415,519 | 305,186 | 1,138,281 | 151,998 | 37,347 | 1,023,832 | 3,463,144 |
| Tundra Swan | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 5 | 0 | 3 | 38 |
| Trumpeter Swan | 0 | 0 | 260 | 35 | 0 | 342 | 105 | 0 | 0 | 0 | 742 |
| Mute Swan | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 |
| Unident. Swans | 0 | 0 | 0 | 0 | 17 | 0 | 23 | 12 | 0 | 0 | 52 |
| Total Swans | 0 | 0 | 260 | 35 | 17 | 342 | 162 | 17 | 0 | 3 | 836 |
| Coot | 0 | 0 | 5 | 125 | 807 | 1 | 2,263 | 3,088 | 6,745 | 359,909 | 372,943 |
| Grand Total | 101,423 | 207,730 | 121,683 | 66,650 | 592,369 | 381,785 | 1,479,638 | 238,295 | 136,710 | 5,900,904 | 9,227,187 |

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JANUARY 2019 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY ¹

| SPECIES | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|------------------|------------------|
| Mallard | 5,313 | 18,080 | 53,441 | 35,337 | 78,794 | 227,468 | 267,468 | 64,293 | 16,758 | 308,038 | 1,074,990 |
| Black Duck | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 21 |
| Mottled Duck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16,403 | 16,403 |
| Gadwall | 0 | 0 | 20 | 45 | 606 | 3 | 1,955 | 3,100 | 1,045 | 662,015 | 668,789 |
| Wigeon | 0 | 0 | 25 | 121 | 1,197 | 0 | 3,126 | 541 | 16,191 | 280,673 | 301,874 |
| G-W Teal | 0 | 0 | 1 | 35 | 403 | 42 | 2,895 | 4,832 | 11,945 | 237,211 | 257,364 |
| BW/CIN Teal | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 25 | 0 | 61,418 | 61,444 |
| Shoveler | 0 | 0 | 0 | 0 | 2,865 | 0 | 1,023 | 3,021 | 455 | 116,702 | 124,066 |
| Pintail | 0 | 0 | 0 | 21 | 378 | 4 | 4,727 | 2,910 | 9,770 | 303,998 | 321,808 |
| Wood Duck | 0 | 0 | 8 | 0 | 143 | 40 | 20 | 126 | 0 | 32,664 | 33,001 |
| Whistling Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58,064 | 58,064 |
| Total Dabblers | 5,313 | 18,080 | 53,495 | 35,559 | 84,386 | 227,557 | 281,236 | 78,848 | 56,164 | 2,077,186 | 2,917,824 |
| Redhead | 0 | 0 | 14 | 2 | 246 | 17 | 2,852 | 95 | 270 | 842,585 | 846,081 |
| Canvasback | 0 | 0 | 0 | 0 | 55 | 0 | 1,017 | 128 | 250 | 119,392 | 120,842 |
| Scaup | 0 | 0 | 1 | 0 | 274 | 0 | 1,527 | 185 | 10 | 469,956 | 471,953 |
| Ringnecked duck | 0 | 0 | 44 | 20 | 149 | 0 | 6,374 | 951 | 335 | 196,240 | 204,113 |
| Goldeneyes | 431 | 2,229 | 54 | 2,495 | 1,143 | 256 | 40,696 | 389 | 60 | 70 | 47,823 |
| Bufflehead | 0 | 0 | 28 | 0 | 275 | 2 | 1,303 | 257 | 156 | 9,940 | 11,961 |
| Ruddy Duck | 0 | 0 | 0 | 2 | 33 | 0 | 803 | 253 | 0 | 2,056 | 3,147 |
| Total Divers | 431 | 2,229 | 141 | 2,519 | 2,175 | 275 | 54,572 | 2,258 | 1,081 | 1,640,239 | 1,705,920 |
| Scoters | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 7 |
| Long-tailed Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mergansers | 448 | 310 | 5,383 | 813 | 3,859 | 2,750 | 19,282 | 4,905 | 7,924 | 6,182 | 51,856 |
| Unident. Ducks | 0 | 0 | 0 | 0 | 4,875 | 37 | 12,158 | 346 | 0 | 144,622 | 162,038 |
| Total Ducks | 6,192 | 20,619 | 59,019 | 38,891 | 95,295 | 230,619 | 367,255 | 86,357 | 65,169 | 3,868,229 | 4,837,645 |
| Brant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Snow/Blue Goose | 0 | 5 | 50 | 15 | 76,793 | 11,206 | 502,968 | 116,010 | 9,500 | 492,380 | 1,208,927 |
| Ross's Goose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 366 | 0 | 0 | 366 |
| Whitefront | 0 | 0 | 0 | 0 | 25 | 863 | 3,504 | 3,945 | 0 | 166,948 | 175,285 |
| Canada Goose | 99,119 | 100,975 | 117,806 | 80,106 | 175,865 | 317,693 | 117,834 | 146,651 | 17,576 | 375,643 | 1,549,268 |
| Total Geese | 99,119 | 100,980 | 117,856 | 80,121 | 252,683 | 329,762 | 624,306 | 266,972 | 27,076 | 1,034,971 | 2,933,846 |
| Tundra Swan | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 18 | 19 |
| Trumpeter Swan | 0 | 0 | 598 | 70 | 7 | 665 | 62 | 0 | 0 | 0 | 1,402 |
| Mute Swan | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Unident. Swans | 0 | 0 | 1 | 0 | 12 | 0 | 4 | 0 | 0 | 0 | 17 |
| Total Swans | 0 | 0 | 599 | 70 | 22 | 665 | 66 | 0 | 0 | 18 | 1,440 |
| Coot | 0 | 0 | 8 | 0 | 1,050 | 2 | 682 | 1,510 | 4,832 | 122,127 | 130,211 |
| Grand Total | 105,311 | 121,599 | 177,482 | 119,082 | 349,050 | 561,048 | 992,309 | 354,839 | 97,077 | 5,025,345 | 7,903,142 |

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¹In TX, SGP and TGP counts (CFAN beginning in 2014) 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 2018 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY ¹

| SPECIES | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|-----------------------|----------------|---------------|----------------|---------------|----------------|----------------|------------------|----------------|----------------|------------------|------------------|
| Mallard | 16,387 | 16,146 | 63,378 | 16,210 | 169,227 | 163,072 | 513,639 | 334,677 | 36,667 | 366,420 | 1,695,823 |
| Black Duck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mottled Duck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14,653 | 14,653 |
| Gadwall | 0 | 0 | 24 | 32 | 356 | 12 | 1,503 | 10,910 | 915 | 850,565 | 864,317 |
| Wigeon | 0 | 0 | 13 | 107 | 642 | 15 | 729 | 1,923 | 8,629 | 272,847 | 284,905 |
| G-W Teal | 0 | 0 | 0 | 80 | 534 | 0 | 3,633 | 8,496 | 11,766 | 329,519 | 354,028 |
| BW/CIN Teal | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 56 | 1 | 60,374 | 60,445 |
| Shoveler | 0 | 0 | 0 | 0 | 2,238 | 50 | 563 | 2,823 | 2,644 | 97,323 | 105,641 |
| Pintail | 0 | 0 | 0 | 6 | 371 | 0 | 3,593 | 4,358 | 34,956 | 176,871 | 220,155 |
| Wood Duck | 0 | 0 | 3 | 0 | 6 | 95 | 53 | 1,272 | 10 | 64,364 | 65,803 |
| Whistling Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37,790 | 37,790 |
| Total Dabblers | 16,387 | 16,146 | 63,418 | 16,435 | 173,374 | 163,258 | 523,713 | 364,515 | 95,588 | 2,270,726 | 3,703,560 |
| Redhead | 0 | 0 | 0 | 0 | 262 | 0 | 167 | 264 | 747 | 86,530 | 87,970 |
| Canvasback | 0 | 0 | 0 | 0 | 122 | 0 | 107 | 695 | 178 | 29,517 | 30,619 |
| Scaup | 0 | 0 | 0 | 0 | 152 | 105 | 362 | 748 | 199 | 150,558 | 152,124 |
| Ringnecked duck | 0 | 0 | 84 | 0 | 335 | 5 | 1,326 | 4,782 | 443 | 262,231 | 269,206 |
| Goldeneyes | 300 | 509 | 635 | 2,513 | 1,441 | 663 | 13,098 | 2,653 | 10 | 1,948 | 23,770 |
| Bufflehead | 0 | 0 | 22 | 0 | 347 | 8 | 1,149 | 5,895 | 656 | 6,241 | 14,318 |
| Ruddy Duck | 0 | 0 | 0 | 0 | 66 | 0 | 126 | 56 | 170 | 4,437 | 4,855 |
| Total Divers | 300 | 509 | 741 | 2,513 | 2,725 | 781 | 16,335 | 15,093 | 2,403 | 541,462 | 582,862 |
| Scoters | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Long-tailed Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Mergansers | 2,466 | 56 | 106 | 878 | 1,663 | 1,439 | 6,215 | 15,312 | 16,647 | 24,878 | 69,660 |
| Unident. Ducks | 0 | 0 | 0 | 0 | 10,391 | 0 | 5,898 | 4,219 | 0 | 193,035 | 213,543 |
| Total Ducks | 19,153 | 16,711 | 64,265 | 19,826 | 188,153 | 165,478 | 552,162 | 399,139 | 114,638 | 3,030,101 | 4,569,626 |
| Brant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Snow/Blue Goose | 1 | 0 | 58 | 3 | 223,157 | 378 | 1,085,135 | 129,466 | 17,750 | 341,302 | 1,797,250 |
| Ross's Goose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11,319 | 0 | 0 | 11,319 |
| Whitefront | 0 | 0 | 0 | 0 | 23 | 0 | 4,008 | 8,055 | 0 | 98,486 | 110,572 |
| Canada Goose | 134,793 | 79,222 | 154,821 | 64,952 | 540,578 | 265,972 | 435,322 | 354,490 | 26,020 | 378,596 | 2,434,766 |
| Total Geese | 134,794 | 79,222 | 154,879 | 64,955 | 763,758 | 266,350 | 1,524,465 | 503,330 | 43,770 | 818,384 | 4,353,907 |
| Tundra Swan | 0 | 5 | 0 | 0 | 4 | 0 | 0 | 6 | 0 | 0 | 15 |
| Trumpeter Swan | 0 | 0 | 51 | 66 | 0 | 1,157 | 44 | 0 | 0 | 0 | 1,318 |
| Mute Swan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unident. Swans | 0 | 0 | 0 | 0 | 3 | 0 | 46 | 9 | 0 | 0 | 58 |
| Total Swans | 0 | 5 | 51 | 66 | 7 | 1,157 | 90 | 15 | 0 | 0 | 1,391 |
| Coot | 0 | 0 | 20 | 31 | 768 | 0 | 1,337 | 5,023 | 13,593 | 203,621 | 224,393 |
| Grand Total | 153,947 | 95,938 | 219,215 | 84,878 | 952,686 | 432,985 | 2,078,054 | 907,507 | 172,001 | 4,052,106 | 9,149,317 |

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¹In TX, SGP and TGP counts (CFAN beginning in 2014) 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 2017 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY ¹

| SPECIES | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|-----------------------|---------------|----------------|----------------|---------------|----------------|----------------|------------------|----------------|----------------|------------------|-------------------|
| Mallard | 3,164 | 23,345 | 97,031 | 9,407 | 89,881 | 195,260 | 355,189 | 136,682 | 29,121 | 1,067,833 | 2,006,913 |
| Black Duck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mottled Duck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21,346 | 21,346 |
| Gadwall | 0 | 0 | 1 | 25 | 457 | 9 | 2,199 | 4,776 | 2,212 | 728,702 | 738,381 |
| Wigeon | 0 | 0 | 0 | 52 | 329 | 2 | 5,016 | 128 | 15,292 | 266,037 | 286,856 |
| G-W Teal | 0 | 0 | 3 | 7 | 344 | 6 | 2,145 | 3,707 | 16,893 | 741,636 | 764,741 |
| BW/CIN Teal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 23,917 | 23,921 |
| Shoveler | 0 | 0 | 50 | 0 | 1,835 | 20 | 595 | 1,159 | 3,432 | 213,791 | 220,882 |
| Pintail | 0 | 0 | 0 | 19 | 192 | 3 | 3,179 | 2,452 | 23,834 | 1,122,841 | 1,152,520 |
| Wood Duck | 0 | 0 | 0 | 0 | 38 | 1 | 10 | 804 | 140 | 114,954 | 115,947 |
| Whistling Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,823 | 1,823 |
| Total Dabblers | 3,164 | 23,345 | 97,085 | 9,510 | 93,076 | 195,301 | 368,333 | 149,712 | 90,924 | 4,302,880 | 5,333,330 |
| Redhead | 0 | 0 | 0 | 0 | 128 | 0 | 213 | 82 | 220 | 850,760 | 851,403 |
| Canvasback | 0 | 0 | 0 | 0 | 36 | 0 | 352 | 130 | 17 | 85,743 | 86,278 |
| Scaup | 0 | 0 | 25 | 0 | 180 | 12 | 890 | 238 | 5 | 241,050 | 242,400 |
| Ringnecked duck | 0 | 0 | 1 | 20 | 315 | 11 | 1,922 | 3,151 | 433 | 275,989 | 281,842 |
| Goldeneyes | 21 | 1,349 | 76 | 2,547 | 1,092 | 86 | 22,225 | 792 | 56 | 8,728 | 36,972 |
| Bufflehead | 0 | 0 | 50 | 0 | 310 | 0 | 955 | 599 | 147 | 20,666 | 22,727 |
| Ruddy Duck | 0 | 0 | 0 | 0 | 17 | 0 | 393 | 77 | 217 | 2,322 | 3,026 |
| Total Divers | 21 | 1,349 | 152 | 2,567 | 2,078 | 109 | 26,950 | 5,069 | 1,095 | 1,485,258 | 1,524,648 |
| 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 | 808 | 113 | 1,390 | 229 | 1,138 | 6,433 | 23,689 | 1,862 | 7,305 | 12,993 | 55,960 |
| Unident. Ducks | 0 | 0 | 0 | 0 | 3,405 | 20 | 8,523 | 2,690 | 0 | 317,381 | 332,019 |
| Total Ducks | 3,993 | 24,807 | 98,627 | 12,306 | 99,697 | 201,863 | 427,495 | 159,333 | 99,324 | 6,118,512 | 7,245,957 |
| Brant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Snow/Blue Goose | 0 | 0 | 1 | 1 | 101,988 | 2 | 528,760 | 77,392 | 22,230 | 392,434 | 1,122,808 |
| Ross's Goose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12,528 | 0 | 0 | 12,528 |
| Whitefront | 0 | 0 | 0 | 0 | 0 | 0 | 10,889 | 4,243 | 200 | 86,052 | 101,384 |
| Canada Goose | 26,362 | 82,405 | 239,772 | 55,021 | 220,599 | 320,267 | 155,285 | 166,037 | 31,368 | 422,462 | 1,719,578 |
| Total Geese | 26,362 | 82,405 | 239,773 | 55,022 | 322,587 | 320,269 | 694,934 | 260,200 | 53,798 | 900,948 | 2,956,298 |
| Tundra Swan | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 10 |
| Trumpeter Swan | 0 | 0 | 9 | 29 | 2 | 870 | 14 | 0 | 0 | 7 | 931 |
| Mute Swan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unident. Swans | 0 | 1 | 0 | 0 | 5 | 0 | 49 | 7 | 0 | 1 | 63 |
| Total Swans | 0 | 1 | 9 | 29 | 7 | 870 | 73 | 7 | 0 | 8 | 1,004 |
| Coot | 0 | 0 | 0 | 200 | 725 | 0 | 1,273 | 2,665 | 9,757 | 427,741 | 442,361 |
| Grand Total | 30,355 | 107,213 | 338,409 | 67,557 | 423,016 | 523,002 | 1,123,775 | 422,205 | 162,879 | 7,447,209 | 10,645,620 |

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¹In TX, SGP and TGP counts (CFAN beginning in 2014) 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 2016 MID-WINTER WATERFOWL SURVEY - CENTRAL FLYWAY ¹

| SPECIES | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|-----------------------|----------------|----------------|----------------|---------------|----------------|----------------|------------------|----------------|----------------|------------------|------------------|
| Mallard | 15,444 | 9,229 | 83,966 | 40,209 | 72,775 | 213,806 | 319,012 | 173,541 | 22,425 | 1,000,457 | 1,950,864 |
| 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 | 1,388 | 733,457 | 749,857 |
| Wigeon | 0 | 0 | 0 | 51 | 699 | 67 | 8,909 | 2,072 | 8,037 | 358,049 | 377,884 |
| G-W Teal | 0 | 0 | 2 | 39 | 572 | 16 | 2,165 | 11,834 | 9,491 | 767,060 | 791,179 |
| 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 | 2,225 | 119,104 | 124,934 |
| Pintail | 50 | 0 | 1 | 4 | 215 | 33 | 863 | 13,606 | 15,801 | 571,005 | 601,578 |
| Wood Duck | 0 | 0 | 4 | 0 | 113 | 4 | 52 | 585 | 0 | 57,309 | 58,067 |
| Whistling Ducks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14,065 | 14,065 |
| Total Dabblers | 15,545 | 9,229 | 83,983 | 40,377 | 76,300 | 214,016 | 335,657 | 213,459 | 59,367 | 3,650,717 | 4,698,650 |
| Redhead | 0 | 46 | 0 | 4 | 301 | 13 | 647 | 624 | 655 | 331,103 | 333,393 |
| Canvasback | 0 | 0 | 0 | 4 | 136 | 12 | 436 | 230 | 72 | 28,486 | 29,376 |
| Scaup | 0 | 0 | 2 | 13 | 72 | 1 | 949 | 145 | 0 | 88,566 | 89,748 |
| Ringnecked duck | 0 | 0 | 0 | 69 | 710 | 0 | 2,748 | 3,158 | 58 | 255,920 | 262,663 |
| Goldeneyes | 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 | 56 | 8,377 | 11,881 |
| Ruddy Duck | 0 | 0 | 0 | 0 | 24 | 0 | 331 | 470 | 202 | 2,008 | 3,035 |
| Total Divers | 221 | 3,869 | 15 | 3,730 | 3,328 | 205 | 26,493 | 6,316 | 1,216 | 722,405 | 767,798 |
| 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 | 1,590 | 340,239 | 350,428 |
| Total Ducks | 15,985 | 13,240 | 85,523 | 44,303 | 84,660 | 220,254 | 390,802 | 221,073 | 72,473 | 4,724,031 | 5,872,344 |
| 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 | 10,803 | 369,112 | 1,403,936 |
| 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 | 16,100 | 428,702 | 1,550,994 |
| Total Geese | 222,892 | 125,784 | 105,069 | 25,367 | 297,257 | 176,530 | 1,002,215 | 213,409 | 26,903 | 885,275 | 3,080,701 |
| 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 |
| Total Swans | 0 | 0 | 4 | 91 | 4 | 595 | 35 | 0 | 0 | 0 | 729 |
| Coot | 2 | 375 | 0 | 467 | 1,777 | 2 | 1,498 | 4,970 | 6,556 | 333,438 | 349,085 |
| Grand Total | 238,879 | 139,399 | 190,596 | 70,228 | 383,698 | 397,381 | 1,394,550 | 439,452 | 105,932 | 5,942,744 | 9,302,859 |

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¹In TX, SGP and TGP counts (CFAN beginning in 2014) 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 ¹

| SPECIES | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|------------------|------------------|
| 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 |
| Total Dabblers | 26,563 | 16,580 | 83,586 | 54,058 | 95,241 | 221,397 | 277,313 | 292,173 | 221,548 | 2,568,915 | 3,857,374 |
| 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 |
| Total Divers | 110 | 3,715 | 128 | 9,538 | 1,432 | 203 | 6,243 | 5,966 | 1,708 | 1,002,413 | 1,031,456 |
| 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 |
| Total Ducks | 26,801 | 20,485 | 86,358 | 64,872 | 100,400 | 231,070 | 317,631 | 316,903 | 229,576 | 4,036,763 | 5,430,859 |
| 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 |
| Total Geese | 119,006 | 117,680 | 85,356 | 37,778 | 192,959 | 238,719 | 695,698 | 363,334 | 95,848 | 1,228,844 | 3,175,222 |
| Tundra Swan | | | | | 1 | | 21 | 2 | | | 24 |
| Trumpeter Swan | | | 35 | 47 | | 692 | 8 | | | | 782 |
| Mute Swan | | | | | 3 | | | | | | 3 |
| Unident. Swans | | | | | | | 82 | 9 | | 0 | 91 |
| Total Swans | 0 | 0 | 35 | 47 | 4 | 692 | 111 | 11 | 0 | 0 | 900 |
| Coot | | 350 | | 693 | 1,326 | 11 | 1,212 | 601 | 8,049 | 209,895 | 222,137 |
| Grand Total | 145,807 | 138,515 | 171,749 | 103,390 | 294,689 | 470,492 | 1,014,652 | 680,849 | 333,473 | 5,475,502 | 8,829,118 |

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¹In TX, SGP and TGP counts (CFAN beginning in 2014) 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 FLYWAY¹

| SPECIES | ND | MT | SD | WY | CO | NE | KS | OK | NM | TX | TOTAL |
|-----------------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|
| 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 |
| Total Dabblers | 18,724 | 16,540 | 104,748 | 65,504 | 92,966 | 322,021 | 238,816 | 254,037 | 144,192 | 2,885,904 | 4,143,452 |
| 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 |
| Total Divers | 0 | 4,568 | 341 | 6,899 | 2,113 | 322 | 10,378 | 2,022 | 5,501 | 875,204 | 907,348 |
| 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 |
| Total Ducks | 18,837 | 21,168 | 106,305 | 73,790 | 96,756 | 326,277 | 257,006 | 267,452 | 156,232 | 4,182,983 | 5,506,806 |
| 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 |
| Total Geese | 52,771 | 76,470 | 141,171 | 125,725 | 224,591 | 349,080 | 719,053 | 312,886 | 104,296 | 748,722 | 2,854,765 |
| Tundra Swan | 1 | | | | | | 9 | 7 | | | 17 |
| Trumpeter Swan | | | 2 | 33 | | 444 | 12 | | | | 491 |
| Mute Swan | | | | | | | | | | | 0 |
| Unident. Swans | | | | | 3 | | 35 | 15 | | 20 | 73 |
| Total Swans | 1 | 0 | 2 | 33 | 3 | 444 | 56 | 22 | 0 | 20 | 581 |
| Coot | | 55 | 2 | 531 | 379 | 38 | 283 | | 4,228 | 183,510 | 189,026 |
| Grand Total | 71,609 | 97,693 | 247,480 | 200,079 | 321,729 | 675,839 | 976,398 | 580,360 | 264,756 | 5,115,235 | 8,551,178 |

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¹In TX, SGP and TGP counts (CFAN beginning in 2014) 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).

**MID-WINTER GOOSE SURVEY
CENTRAL FLYWAY**

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RESULTS OF 2023 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY¹

January 2023 Mid-winter Waterfowl Survey

| State | CANADA and CACKLING GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|------------|---------------------------|-----------------------------|-----------------------------|-----|---------|--------|----------|---------|-------------|-----------|--------|-----------|
| | Hi-Line | West Tier CFAN ³ | East Tier CFAN ³ | EPP | WP/GP | RMP | Unclass. | Total | W-CF | M-C | | |
| Montana | 94,154 | 0 | 0 | 0 | 0 | 0 | 0 | 94,154 | 0 | 0 | 0 | 94,154 |
| No. Dakota | 0 | 0 | 0 | 0 | 28,847 | 0 | 0 | 28,847 | 0 | 0 | 0 | 28,847 |
| So. Dakota | 0 | 0 | 0 | 0 | 19,642 | 0 | 0 | 19,642 | 0 | 0 | 0 | 19,642 |
| Wyoming | 30,483 | 3,886 | 0 | 0 | 0 | 14,910 | 0 | 49,279 | 0 | 0 | 0 | 49,279 |
| Nebraska | 4,807 | 0 | 0 | 0 | 197,931 | 0 | 0 | 202,738 | 0 | 177 | 5 | 202,920 |
| Colorado | 108,277 | 31,375 | 0 | 0 | 0 | 0 | 0 | 139,652 | 75,785 | 0 | 0 | 215,437 |
| Kansas | 0 | 22 | 1,677 | 460 | 11,147 | 0 | 97,826 | 111,132 | 0 | 1,365,211 | 3,714 | 1,480,057 |
| N. Mexico | 3,794 | 15,010 | 0 | 0 | 0 | 0 | 421 | 19,225 | 10,711 | 0 | 0 | 29,936 |
| Oklahoma | 0 | 0 | 115,904 | 0 | 3,957 | 0 | 0 | 119,861 | 0 | 81,271 | 480 | 201,612 |
| Texas | 0 | 302,183 | 70 | 0 | 0 | 0 | 0 | 302,253 | 79,275 | 155,171 | 65,059 | 601,758 |

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

Central Flyway Goose Population Survey Results²

| Year | CANADA and CACKLING GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|---------|---------------------------|----------------|----------------|--------|---------|--------|----------|-----------|-------------|-----------|---------|-----------|
| | Hi-Line | West Tier CFAN | East Tier CFAN | EPP | WP/GP | RMP | Unclass. | Total | W-CF | M-C | | |
| 2023 | 241,515 | 352,476 | 117,651 | 460 | 261,524 | 14,910 | 98,247 | 1,086,783 | 165,771 | 1,601,830 | 69,258 | 2,923,642 |
| 2022 | 412,652 | 490,631 | 80,139 | 568 | 612,920 | 21,049 | 491,582 | 2,109,541 | 270,847 | 1,542,476 | 148,333 | 4,071,197 |
| 2021 | 437,236 | 394,068 | 83,968 | 0 | 429,175 | 9,705 | 191,430 | 1,545,582 | 353,681 | 1,938,475 | 119,414 | 3,957,152 |
| 2020 | 411,128 | 516,582 | 117,222 | 978 | 295,427 | 10,318 | 138,689 | 1,490,344 | 343,386 | 1,515,694 | 113,720 | 3,463,144 |
| 2019 | 274,533 | 382,814 | 230,234 | 540 | 545,941 | 7,653 | 107,553 | 1,549,268 | 171,453 | 1,037,840 | 175,285 | 2,933,846 |
| 2018 | 505,849 | 553,027 | 383,050 | | 577,168 | 14,966 | 376,041 | 2,434,766 | 311,330 | 1,497,239 | 110,572 | 4,353,907 |
| 2017 | 286,753 | 468,094 | 222,882 | 30 | 608,739 | 13,659 | 119,421 | 1,719,578 | 227,135 | 908,201 | 101,384 | 2,956,298 |
| 2016 | 280,194 | 452,913 | 172,297 | 1,523 | 538,160 | 9,172 | 96,735 | 1,550,994 | 239,480 | 1,182,399 | 107,828 | 3,080,701 |
| 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 | 775,560 | 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 |

¹ Mid-December Goose Surveys were discontinued after December, 1997.

² 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.

³ 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.

4/11/23

RESULTS OF 2022 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY¹

January 2022 Mid-winter Waterfowl Survey

| State | CANADA GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|------------|--------------|-----------------------------|-----------------------------|-----|---------|--------|----------|---------|-------------|-----------|---------|-----------|
| | Hi-Line | West Tier CFAN ³ | East Tier CFAN ³ | EPP | WP/GP | RMP | Unclass. | Total | W-CF | M-C | | |
| Montana | 167,957 | 16,030 | 0 | 0 | 0 | 0 | 0 | 183,987 | 0 | 0 | 0 | 183,987 |
| No. Dakota | 0 | 0 | 0 | 0 | 81,154 | 0 | 0 | 81,154 | 0 | 0 | 0 | 81,154 |
| So. Dakota | 0 | 0 | 0 | 0 | 182,125 | 0 | 0 | 182,125 | 0 | 1,545 | 0 | 183,670 |
| Wyoming | 48,905 | 8,147 | 0 | 0 | 0 | 21,049 | 0 | 78,101 | 0 | 0 | 0 | 78,101 |
| Nebraska | 3,678 | 0 | 0 | 0 | 335,318 | 0 | 0 | 338,996 | 0 | 25,497 | 18 | 364,511 |
| Colorado | 187,790 | 53,902 | 0 | 0 | 0 | 0 | 0 | 241,692 | 155,048 | 0 | 1 | 396,741 |
| Kansas | 0 | 200 | 946 | 568 | 4,486 | 0 | 491,113 | 497,313 | 0 | 1,176,467 | 19,281 | 1,693,061 |
| N. Mexico | 4,322 | 12,165 | 0 | 0 | 0 | 0 | 469 | 16,956 | 12,575 | 0 | 0 | 29,531 |
| Oklahoma | 0 | 0 | 66,968 | 0 | 9,837 | 0 | 0 | 76,805 | 0 | 59,891 | 5,100 | 141,796 |
| Texas | 0 | 400,187 | 12,225 | 0 | 0 | 0 | 0 | 412,412 | 103,224 | 279,076 | 123,933 | 918,645 |

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

Central Flyway Goose Population Survey Results²

| 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 | | |
| 2022 | 412,652 | 490,631 | 80,139 | 568 | 612,920 | 21,049 | 491,582 | 2,109,541 | 270,847 | 1,542,476 | 148,333 | 4,071,197 |
| 2021 | 437,236 | 394,068 | 83,968 | 0 | 429,175 | 9,705 | 191,430 | 1,545,582 | 353,681 | 1,938,475 | 119,414 | 3,957,152 |
| 2020 | 411,128 | 516,582 | 117,222 | 978 | 295,427 | 10,318 | 138,689 | 1,490,344 | 343,386 | 1,515,694 | 113,720 | 3,463,144 |
| 2019 | 274,533 | 382,814 | 230,234 | 540 | 545,941 | 7,653 | 107,553 | 1,549,268 | 171,453 | 1,037,840 | 175,285 | 2,933,846 |
| 2018 | 505,849 | 553,027 | 383,050 | 24,665 | 577,168 | 14,966 | 376,041 | 2,434,766 | 311,330 | 1,497,239 | 110,572 | 4,353,907 |
| 2017 | 286,753 | 468,094 | 222,882 | 30 | 608,739 | 13,659 | 119,421 | 1,719,578 | 227,135 | 908,201 | 101,384 | 2,956,298 |
| 2016 | 280,194 | 452,913 | 172,297 | 1,523 | 538,160 | 9,172 | 96,735 | 1,550,994 | 239,480 | 1,182,399 | 107,828 | 3,080,701 |
| 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 | |

¹ Mid-December Goose Surveys were discontinued after December, 1997.

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² 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.

³ 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 2021 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY¹

January 2021 Mid-winter Waterfowl Survey

| State | CANADA GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|------------|--------------|-----------------------------|-----------------------------|-----|---------|-------|----------|---------|-------------|-----------|--------|-----------|
| | Hi-Line | West Tier CFAN ³ | East Tier CFAN ³ | EPP | WP/GP | RMP | Unclass. | Total | W-CF | M-C | | |
| Montana | 200,284 | 50,071 | 0 | 0 | 0 | 0 | 0 | 250,355 | 10 | 0 | 0 | 250,365 |
| No. Dakota | 0 | 0 | 0 | 0 | 164,940 | 0 | 0 | 164,940 | 0 | 0 | 0 | 164,940 |
| So. Dakota | 0 | 0 | 0 | 0 | 88,747 | 0 | 0 | 88,747 | 3 | 2,138 | 0 | 90,888 |
| Wyoming | 18,270 | 3,214 | 0 | 0 | 0 | 9,705 | 0 | 31,189 | 0 | 0 | 0 | 31,189 |
| Nebraska | 956 | 0 | 0 | 0 | 165,828 | 0 | 0 | 166,784 | 0 | 21,866 | 4 | 188,654 |
| Colorado | 211,210 | 62,554 | 0 | 0 | 0 | 0 | 0 | 273,764 | 270,941 | 0 | 0 | 544,705 |
| Kansas | 0 | 1,600 | 9,705 | 0 | 6,599 | 0 | 190,764 | 208,668 | 0 | 1,479,298 | 29,199 | 1,717,165 |
| N. Mexico | 6,516 | 19,102 | 0 | 0 | 0 | 0 | 666 | 26,284 | 28,480 | 0 | 0 | 54,764 |
| Oklahoma | 0 | 0 | 60,276 | 0 | 3,061 | 0 | 0 | 63,337 | 0 | 77,576 | 15,409 | 156,322 |
| Texas | 0 | 257,527 | 13,987 | 0 | 0 | 0 | 0 | 271,514 | 54,247 | 357,597 | 74,802 | 758,160 |

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

Central Flyway Goose Population Survey Results²

| 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 | | |
| 2021 | 437,236 | 394,068 | 83,968 | 0 | 429,175 | 9,705 | 191,430 | 1,545,582 | 353,681 | 1,938,475 | 119,414 | 3,957,152 |
| 2020 | 411,128 | 516,582 | 117,222 | 978 | 295,427 | 10,318 | 138,689 | 1,490,344 | 343,386 | 1,515,694 | 113,720 | 3,463,144 |
| 2019 | 274,533 | 382,814 | 230,234 | 540 | 545,941 | 7,653 | 107,553 | 1,549,268 | 171,453 | 1,037,840 | 175,285 | 2,933,846 |
| 2018 | 505,849 | 553,027 | 383,050 | 24,665 | 577,168 | 14,966 | 376,041 | 2,434,766 | 311,330 | 1,497,239 | 110,572 | 4,353,907 |
| 2017 | 286,753 | 468,094 | 222,882 | 30 | 608,739 | 13,659 | 119,421 | 1,719,578 | 227,135 | 908,201 | 101,384 | 2,956,298 |
| 2016 | 280,194 | 452,913 | 172,297 | 1,523 | 538,160 | 9,172 | 96,735 | 1,550,994 | 239,480 | 1,182,399 | 107,828 | 3,080,701 |
| 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 | 2,420,500 |
| 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 |

¹ Mid-December Goose Surveys were discontinued after December, 1997.

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2/17/21

² 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.

³ 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 2020 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY¹

January 2020 Mid-winter Waterfowl Survey

| State | CANADA GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|------------|--------------|-----------------------------|-----------------------------|-----|---------|--------|----------|---------|-------------|---------|--------|-----------|
| | Hi-Line | West Tier CFAN ³ | East Tier CFAN ³ | EPP | WP/GP | RMP | Unclass. | Total | W-CF | M-C | | |
| Montana | 165,470 | 15,880 | 0 | 0 | 0 | 0 | 0 | 181,350 | 0 | 0 | 0 | 181,350 |
| No. Dakota | 0 | 0 | 600 | 0 | 93,338 | 0 | 0 | 93,938 | 0 | 4 | 0 | 93,942 |
| So. Dakota | 0 | 0 | 288 | 0 | 71,945 | 0 | 0 | 72,233 | 0 | 2,753 | 0 | 74,986 |
| Wyoming | 25,767 | 4,618 | 0 | 0 | 0 | 10,318 | 0 | 40,703 | 0 | 0 | 0 | 40,703 |
| Nebraska | 192 | 32 | 891 | 0 | 122,277 | 0 | 0 | 123,392 | 500 | 181,086 | 208 | 305,186 |
| Colorado | 214,643 | 0 | 0 | 0 | 0 | 0 | 0 | 214,643 | 200,873 | 0 | 3 | 415,519 |
| Kansas | 0 | 375 | 6,024 | 978 | 4,280 | 0 | 138,097 | 149,754 | 0 | 973,958 | 14,569 | 1,138,281 |
| N. Mexico | 5,056 | 13,599 | 0 | 0 | 0 | 0 | 592 | 19,247 | 18,100 | 0 | 0 | 37,347 |
| Oklahoma | 0 | 0 | 74,239 | 0 | 3,587 | 0 | 0 | 77,826 | 0 | 69,866 | 4,306 | 151,998 |
| Texas | 0 | 482,078 | 35,180 | 0 | 0 | 0 | 0 | 517,258 | 123,913 | 288,027 | 94,634 | 1,023,832 |

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

Central Flyway Goose Population Survey Results²

| 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 | | |
| 2020 | 411,128 | 516,582 | 117,222 | 978 | 295,427 | 10,318 | 138,689 | 1,490,344 | 343,386 | 1,515,694 | 113,720 | 3,463,144 |
| 2019 | 274,533 | 382,814 | 230,234 | 540 | 545,941 | 7,653 | 107,553 | 1,549,268 | 171,453 | 1,037,840 | 175,285 | 2,933,846 |
| 2018 | 505,849 | 553,027 | 383,050 | 24,665 | 577,168 | 14,966 | 376,041 | 2,434,766 | 311,330 | 1,497,239 | 110,572 | 4,353,907 |
| 2017 | 286,753 | 468,094 | 222,882 | 30 | 608,739 | 13,659 | 119,421 | 1,719,578 | 227,135 | 908,201 | 101,384 | 2,956,298 |
| 2016 | 280,194 | 452,913 | 172,297 | 1,523 | 538,160 | 9,172 | 96,735 | 1,550,994 | 239,480 | 1,182,399 | 107,828 | 3,080,701 |
| 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 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 | 0 | 307,919 | 783,429 | 96,591 | 837,611 | 92,727 | 1,810,358 |
| 1984-85 | 76,111 | 179,120 | 197,240 | 0 | 160,640 | 0 | 173,394 | 786,505 | 62,905 | 980,220 | 155,705 | 1,985,335 |
| 1983-84 | 39,779 | 143,382 | 260,650 | 0 | 91,450 | 0 | 51,775 | 587,036 | 43,038 | 905,538 | 140,697 | 1,676,309 |

¹ Mid-December Goose Surveys were discontinued after December, 1997.

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3/11/20

² 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.

³ 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 2019 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY¹

January 2019 Mid-winter Waterfowl Survey

| State | CANADA GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|------------|--------------|-----------------------------|-----------------------------|-----|---------|-------|----------|---------|-------------|---------|---------|-----------|
| | Hi-Line | West Tier CFAN ³ | East Tier CFAN ³ | EPP | WP/GP | RMP | Unclass. | Total | W-CF | M-C | | |
| Montana | 97,785 | 3,190 | 0 | 0 | 0 | 0 | 0 | 100,975 | 5 | 0 | 0 | 100,980 |
| No. Dakota | 0 | 0 | 0 | 0 | 99,119 | 0 | 0 | 99,119 | 0 | 0 | 0 | 99,119 |
| So. Dakota | 0 | 0 | 48 | 0 | 117,758 | 0 | 0 | 117,806 | 0 | 50 | 0 | 117,856 |
| Wyoming | 63,932 | 8,521 | 0 | 0 | 0 | 7,653 | 0 | 80,106 | 15 | 0 | 0 | 80,121 |
| Nebraska | 1,783 | 0 | 0 | 0 | 315,910 | 0 | 0 | 317,693 | 0 | 11,206 | 863 | 329,762 |
| Colorado | 106,583 | 69,282 | 0 | 0 | 0 | 0 | 0 | 175,865 | 76,793 | 0 | 25 | 252,683 |
| Kansas | 0 | 210 | 239 | 540 | 9,775 | 0 | 107,070 | 117,834 | 0 | 502,968 | 3,504 | 624,306 |
| N. Mexico | 4,450 | 12,643 | 0 | 0 | 0 | 0 | 483 | 17,576 | 9,500 | 0 | 0 | 27,076 |
| Oklahoma | 0 | 0 | 143,272 | 0 | 3,379 | 0 | 0 | 146,651 | 0 | 116,376 | 3,945 | 266,972 |
| Texas | 0 | 288,968 | 86,675 | 0 | 0 | 0 | 0 | 375,643 | 85,140 | 407,240 | 166,948 | 1,034,971 |

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

Central Flyway Goose Population Survey Results²

| 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 | | |
| 2019 | 274,533 | 382,814 | 230,234 | 540 | 545,941 | 7,653 | 107,553 | 1,549,268 | 171,453 | 1,037,840 | 175,285 | 2,933,846 |
| 2018 | 505,849 | 553,027 | 383,050 | 24,665 | 577,168 | 14,966 | 376,041 | 2,434,766 | 311,330 | 1,497,239 | 110,572 | 4,353,907 |
| 2017 | 286,753 | 468,094 | 222,882 | 30 | 608,739 | 13,659 | 119,421 | 1,719,578 | 227,135 | 908,201 | 101,384 | 2,956,298 |
| 2016 | 280,194 | 452,913 | 172,297 | 1,523 | 538,160 | 9,172 | 96,735 | 1,550,994 | 239,480 | 1,182,399 | 107,828 | 3,080,701 |
| 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 | 44,947 | 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 | 39,505 | 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 | 66,445 | 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 | 35,520 | 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 | 41,916 | 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 | 60,622 | 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 | 47,624 | 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 | 372,398 | 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 | 329,779 | 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 | 375,874 | 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 | 224,470 | 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 | 382,332 | 63,545 | 900,437 | 194,530 | 2,184,933 |
| 1985-86 | 68,792 | 180,824 | 189,360 | 0 | 36,534 | 307,919 | 783,429 | 307,919 | 96,591 | 837,611 | 92,727 | 1,810,358 |
| 1984-85 | 76,111 | 179,120 | 197,240 | 0 | 160,640 | 173,394 | 786,505 | 173,394 | 62,905 | 980,220 | 155,705 | 1,985,335 |
| 1983-84 | 39,779 | 143,382 | 260,650 | 0 | 91,450 | 51,775 | 587,036 | 51,775 | 43,038 | 905,538 | 140,697 | 1,676,309 |

¹ Mid-December Goose Surveys were discontinued after December, 1997.

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² 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.

³ 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 2018 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY¹

January 2018 Mid-winter Waterfowl Survey

| State | CANADA GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|------------|--------------|--------------------------------|--------------------------------|--------|---------|--------|----------|---------|-------------|-----------|--------|-----------|
| | Hi-Line | West Tier CFAN ³ | East Tier CFAN ³ | EPP | WP/GP | RMP | Unclass. | Total | W-CF | M-C | | |
| Montana | 77,722 | 1,500 | 0 | 0 | 0 | 0 | 0 | 79,222 | 0 | 0 | 0 | 79,222 |
| No. Dakota | 0 | 0 | 0 | 0 | 134,793 | 0 | 0 | 134,793 | 0 | 1 | 0 | 134,794 |
| So. Dakota | 0 | 0 | 9,872 | 24,000 | 120,949 | 0 | 0 | 154,821 | 0 | 58 | 0 | 154,879 |
| Wyoming | 45,393 | 4,593 | 0 | 0 | 0 | 14,966 | 0 | 64,952 | 3 | 0 | 0 | 64,955 |
| Nebraska | 2,234 | 0 | 0 | 0 | 263,738 | 0 | 0 | 265,972 | 0 | 378 | 0 | 266,350 |
| Colorado | 373,538 | 167,040 | 0 | 0 | 0 | 0 | 0 | 540,578 | 223,157 | 0 | 23 | 763,758 |
| Kansas | 0 | 8,200 | 5,079 | 665 | 46,010 | 0 | 375,368 | 435,322 | 0 | 1,085,135 | 4,008 | 1,524,465 |
| N. Mexico | 6,962 | 18,385 | 0 | 0 | 0 | 0 | 673 | 26,020 | 17,750 | 0 | 0 | 43,770 |
| Oklahoma | 0 | 0 | 342,812 | 0 | 11,678 | 0 | 0 | 354,490 | 0 | 140,785 | 8,055 | 503,330 |
| Texas | 0 | 353,309 | 25,287 | 0 | 0 | 0 | 0 | 378,596 | 70,420 | 270,882 | 98,486 | 818,384 |

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

Central Flyway Goose Population Survey Results²

| 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 | | |
| 2018 | 505,849 | 553,027 | 383,050 | 24,665 | 577,168 | 14,966 | 376,041 | 2,434,766 | 311,330 | 1,497,239 | 110,572 | 4,353,907 |
| 2017 | 286,753 | 468,094 | 222,882 | 30 | 608,739 | 13,659 | 119,421 | 1,719,578 | 227,135 | 908,201 | 101,384 | 2,956,298 |
| 2016 | 280,194 | 452,913 | 172,297 | 1,523 | 538,160 | 9,172 | 96,735 | 1,550,994 | 239,480 | 1,182,399 | 107,828 | 3,080,701 |
| 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 |

¹Mid-December Goose Surveys were discontinued after December, 1997.

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²Yearly 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.

³Starting 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 2017 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY¹

January 2017 Mid-winter Waterfowl Survey

| State | CANADA GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|------------|--------------|-----------------------------|-----------------------------|-----|---------|--------|----------|---------|-------------|---------|--------|---------|
| | Hi-Line | West Tier CFAN ³ | East Tier CFAN ³ | EPP | WP/GP | RMP | Unclass. | Total | W-CF | M-C | | |
| Montana | 79,285 | 3,120 | 0 | 0 | 0 | 0 | 0 | 82,405 | 0 | 0 | 0 | 82,405 |
| No. Dakota | 0 | 0 | 0 | 0 | 26,362 | 0 | 0 | 26,362 | 0 | 0 | 0 | 26,362 |
| So. Dakota | 0 | 0 | 2,075 | 0 | 237,697 | 0 | 0 | 239,772 | 0 | 1 | 0 | 239,773 |
| Wyoming | 38,851 | 2,511 | 0 | 0 | 0 | 13,659 | 0 | 55,021 | 1 | 0 | 0 | 55,022 |
| Nebraska | 4,390 | 0 | 0 | 0 | 315,877 | 0 | 0 | 320,267 | 0 | 2 | 0 | 320,269 |
| Colorado | 158,334 | 62,265 | 0 | 0 | 0 | 0 | 0 | 220,599 | 101,988 | 0 | 0 | 322,587 |
| Kansas | 0 | 0 | 12,667 | 30 | 25,554 | 0 | 117,034 | 155,285 | 0 | 528,760 | 10,889 | 694,934 |
| N. Mexico | 5,893 | 23,088 | 0 | 0 | 0 | 0 | 2,387 | 31,368 | 22,230 | 0 | 200 | 53,798 |
| Oklahoma | 0 | 0 | 162,788 | 0 | 3,249 | 0 | 0 | 166,037 | 0 | 89,920 | 4,243 | 260,200 |
| Texas | 0 | 377,110 | 45,352 | 0 | 0 | 0 | 0 | 422,462 | 102,916 | 289,518 | 86,052 | 900,948 |

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

Central Flyway Goose Population Survey Results²

| 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 | | |
| 2017 | 286,753 | 468,094 | 222,882 | 30 | 608,739 | 13,659 | 119,421 | 1,719,578 | 227,135 | 908,201 | 101,384 | 2,956,298 |
| 2016 | 280,194 | 452,913 | 172,297 | 1,523 | 538,160 | 9,172 | 96,735 | 1,550,994 | 239,480 | 1,182,399 | 107,828 | 3,080,701 |
| 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 |

¹ Mid-December Goose Surveys were discontinued after December, 1997.

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3/12/19

² 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.

³ 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 2016 WINTER GOOSE SURVEYS IN THE CENTRAL FLYWAY¹

January 2016 Mid-winter Waterfowl Survey

| State | CANADA GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|------------|--------------|-----------------------------|-----------------------------|-------|---------|-------|----------|---------|-------------|---------|--------|-----------|
| | Hi-Line | West Tier CFAN ³ | East Tier CFAN ³ | 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 | 1,008 | 0 | 176,530 |
| 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 | 1,081 | 16,100 | 10,803 | 0 | 0 | 26,903 |
| 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 |

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

Central Flyway Goose Population Survey Results²

| 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 | 96,735 | 1,550,994 | 239,480 | 1,182,399 | 107,828 | 3,080,701 |
| 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 |

¹ Mid-December Goose Surveys were discontinued after December, 1997.

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² 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.

³ 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 FLYWAY¹

January 2015 Mid-winter Waterfowl Survey

| State | CANADA GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|------------|--------------|-----------------------------|-----------------------------|--------|---------|--------|----------|---------|-------------|---------|--------|-----------|
| | Hi-Line | West Tier CFAN ³ | East Tier CFAN ³ | 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 |

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

Central Flyway Goose Population Survey Results²

| 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 | 1,228,089 |
| 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 |

¹ Mid-December Goose Surveys were discontinued after December, 1997.

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² 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.

³ 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 FLYWAY¹

January 2014 Mid-winter Waterfowl Survey

| State | CANADA GEESE | | | | | | | | LIGHT GEESE | | W-F | TOTAL |
|------------|--------------|-----------------------------|-----------------------------|-----|---------|--------|----------|---------|-------------|---------|--------|---------|
| | Hi-Line | West Tier CFAN ³ | East Tier CFAN ³ | 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 |

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

Central Flyway Goose Population Survey Results²

| 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 |

¹ Mid-December Goose Surveys were discontinued after December, 1997.

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