

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

---

US Fish & Wildlife Publications

US Fish & Wildlife Service

---

7-2006

## Sandhill Crane Harvest and Hunter Activity in the Central Flyway During the 2005-2006 Hunting Season

Elwood Martin

*U.S. Fish and Wildlife Service*

Follow this and additional works at: <https://digitalcommons.unl.edu/usfwspubs>

---

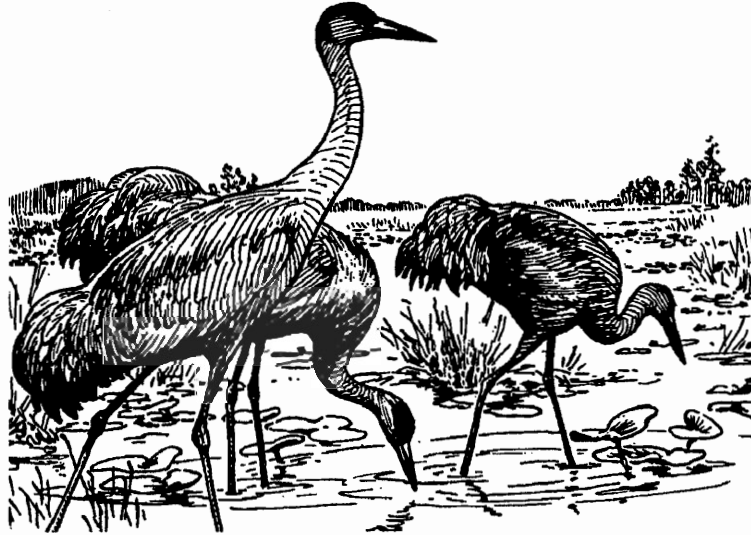
Martin, Elwood, "Sandhill Crane Harvest and Hunter Activity in the Central Flyway During the 2005-2006 Hunting Season" (2006). *US Fish & Wildlife Publications*. 387.

<https://digitalcommons.unl.edu/usfwspubs/387>

This Article is brought to you for free and open access by the US Fish & Wildlife Service at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in US Fish & Wildlife Publications by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

# SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN THE CENTRAL FLYWAY DURING THE 2005-2006 HUNTING SEASON

*July 2006*



Elwood M. Martin

United States Fish and Wildlife Service  
Division of Migratory Bird Management  
10815 Loblolly Pine Drive  
Laurel, Maryland 20708-4028

**ABSTRACT:** A mail questionnaire survey was conducted in nine Central Flyway States to monitor the harvest of Sandhill Cranes (*Grus canadensis*) during the 2005-2006 hunting season. Permits were issued to 67,554 hunters (+ 1.0% from 2004) and an estimated 10,079 individuals (14.9%) actively hunted Sandhill Cranes, up 9.9% from last year. Active hunters bagged an estimated 18,263 birds (+ 25.6%) in 33,471 days (+ 4.9%). Reports indicated an additional 1,800 birds were downed but lost for a total kill estimate of 20,063, up 26.8% from the 2004 season and within about 100 birds of the 2003 level.

---

This report should be cited as: U.S. Fish and Wildlife Service, 2006. Sandhill Crane harvest and hunter activity in the Central Flyway during the 2005-2006 hunting season. U.S. Department of the Interior, Washington, D.C. U.S.A.

The primary purpose of this report is to facilitate the prompt distribution of timely information. Results are preliminary and may change with the inclusion of additional data.

All Division of Migratory Bird Management reports will be available on our home page (<http://migratorybirds.fws.gov>).

## INTRODUCTION

The 2005-06 season was the 31st for which a Federal permit or similar registration has been required for hunting cranes during the regular Sandhill Crane season in the Central Flyway. About 17% of the permit holders were contacted by questionnaire and asked to report their hunting activity and success. This report gives the results of this survey and includes a summary of previous survey estimates by season since 1975. Details of data collection and analysis are given in Division of Migratory Bird Management Administrative Report "Sandhill Crane Harvest and Hunter Activity in the Central Flyway during the 1975-76 Hunting Season" (9 July 1976) with occasional refinements outlined in annual updates. After several years of comparison, as summarized in the 2003-2004 report (DMBM Administrative Report "Sandhill Crane Harvest and Hunter Activity in the Central Flyway during the 2003-2004 Hunting Season" (August 2004), we switched entirely from a card form to a letter-type questionnaire similar to that used in our Harvest Information Program (HIP) surveys. Up to two follow-up questionnaires were mailed to nonrespondents. The HIP conducts a similar survey of crane hunting in Alaska (see U.S. Fish and Wildlife Service, 2006. Migratory bird harvest information, 2006: preliminary estimates. U.S. Department of the Interior, Washington, D.C.).

Several years ago when first Texas and then Colorado changed their permit issuing systems, many hunters in both states who never hunt cranes unknowingly became classed as crane hunters, a result of the way these systems were designed and used. Questionnaire response rates from such hunters were found to be below those of hunters who plan to hunt cranes, and adjustment factors based on these differences were calculated and used on the state level estimates those years. Initial indications from the HIP surveys are that response rates have increased in a manner that may have corrected this problem, so no adjustments have been made in the results of these HIP surveys.

## RESULTS

A total of 67,554 "permits" was issued (1% more than in 2004), and almost 15% of those obtaining permits hunted cranes (10% more than the previous year; Table 1). Crane hunting activity (days hunted) increased 5% from 2004 while total success (cranes bagged) increased almost 26%. Overall, those permittees hunting one or more days (active hunters) averaged 3.32 days afield with an average seasonal bag of 1.81 cranes (Table 2). Estimates of successful hunters are not currently available from the HIP survey. The total estimated retrieved crane kill was 18,263 while unretrieved kill was 1,800 for a total of 20,063 birds killed, 27% more than last year. Comparisons with last year appear in Table 1. Tables 2A through 2I list the 2005-06 estimates for each county hunted as reported by respondents together with state totals. The HIP survey form more efficiently eliminates out-of-state hunting so such hunting is no longer shown in these tables. Selected figures are summarized by season since 1975 in Table 3.

### ACKNOWLEDGEMENTS

Major contributors to this project were Section Chief Paul Padding, biologist Ken Richkus, Survey Clerks Pam Mathias, Ellen Griffin-Pollard, Ronnie Jones, and Robert Mack; Mail Clerk Joe Duncan; Computer Specialists Sheri Williams and Howard Spriggs, and Secretary Susane Finucane. Appreciation is also extended to State wildlife conservation agency personnel in the crane hunting states. Contributing much to planning and conducting the crane seasons in their respective states, including monitoring the details of permit issuance and record keeping include:

Lyn Stevens, Colorado Div. of Wildlife; Karen Beard and Rosann Holmes, Kansas Dept. of Wildlife & Parks; Laura Juvan-George, Montana Dept. of Fish, Wildlife & Parks; Tim Mitchusson, New Mexico Dept. of Game & Fish; Mike Szymanski, North Dakota Game & Fish Dept.; Mike O'Meilia and Mike Liddiard, Oklahoma Dept. of Wildlife Conservation; Sandra Hoerner, South Dakota Dept. of Game, Fish & Parks; Jay Roberson, Texas Parks & Wildlife Dept.; and Jean Cole, Wyoming Game & Fish. Dept.

TABLE 1. NUMBERS OF SANDHILL CRANE PERMITS ISSUED, HIP QUESTIONNAIRE SAMPLE SIZES, AND RESPONSE RATES PLUS ESTIMATED TOTAL ACTIVE HUNTERS, CRANES BAGGED, AND CRANES LOST DURING THE 2004-05 AND 2005-06 SEASONS.

| SEASON               | COLORADO |         | MONTANA |         | NEW MEXICO |         | NORTH DAKOTA |         | SOUTH DAKOTA |         | TEXAS     |           | WYOMING |           |
|----------------------|----------|---------|---------|---------|------------|---------|--------------|---------|--------------|---------|-----------|-----------|---------|-----------|
|                      | 2004-05  | 2005-06 | 2004-05 | 2005-06 | 2004-05    | 2005-06 | 2004-05      | 2005-06 | 2004-05      | 2005-06 | 2004-05   | 2005-06   | 2004-05 | 2005-06   |
| PERMITS ISSUED       | 5,784 *  | 5,766 * | 1,180   | 805     | 308        | 281     | 548          | 494     | 5,788        | 780     | 780       | 698       | 307     | 52,161 *  |
| % change             | -0.3%    | -31.8%  | -8.8%   | -8.8%   | -9.9%      | 28.6%   | -10.5%       | 59.6%   | -1.2%        | 11.5%   | 1.0%      | 68 67,554 | 11.5%   | 1.0%      |
| NUMBER CONTACTED     | 1,068    | 1,055   | 290     | 266     | 247        | 230     | 1,429        | 1,472   | 454          | 661     | 300       | 233       | 6,468   | 7,041     |
| % change             | -1.2%    | -31.8%  | -8.3%   | -8.3%   | -6.9%      | 3.0%    | 45.6%        | -22.3%  | 8.9%         | 8.2%    | 4.8%      | 61 10,889 | 8.2%    | 4.8%      |
| NUMBER RESPONDING    | 807      | 762     | 260     | 233     | 165        | 159     | 1,169        | 1,148   | 326          | 485     | 260       | 214       | 3,873   | 4,325     |
| % change             | -5.6%    | -29.0%  | -10.4%  | -10.4%  | -3.6%      | -1.8%   | 48.8%        | -17.7%  | 11.7%        | 12.5%   | 4.7%      | 54 7,686  | 11.7%   | 4.7%      |
| RESPONSE RATE        | 75.6%    | 72.2%   | 75.3%   | 89.7%   | 66.8%      | 81.8%   | 71.8%        | 86.7%   | 59.9%        | 86.7%   | 67.4%     | 81.8%     | 61.4%   | 67.3%     |
| % change             | -4.4%    | 4.1%    | -2.3%   | 3.5%    | -4.7%      | 2.2%    | 6.0%         | 2.6%    | 4.0%         | -0.1%   | 16 9,171  | 4.0%      | -0.1%   | 24 10,079 |
| TOTAL ACTIVE HUNTERS | 315      | 280     | 93      | 90      | 252        | 233     | 2,491        | 3,370   | 265          | 259     | 79        | 165       | 5,121   | 5,383     |
| % change             | -11.1%   | -49.2%  | -2.7%   | -7.5%   | 35.3%      | -2.2%   | 108.7%       | 5.1%    | 49.5%        | 9.9%    | 34 31,909 | 49.5%     | 9.9%    | 96 33,471 |
| TOTAL DAYS HUNTED    | 1,464    | 1,445   | 303     | 264     | 833        | 668     | 9,642        | 12,088  | 754          | 570     | 272       | 579       | 16,389  | 16,698    |
| % change             | -1.3%    | -52.1%  | -12.8%  | -19.8%  | 25.4%      | -24.4%  | 113.0%       | 1.9%    | 181.5%       | 4.9%    | 4 14,546  | 309.3%    | 25.6%   | 16 18,263 |
| TOTAL CRANES BAGGED  | 92       | 265     | 54      | 65      | 350        | 578     | 3,967        | 3,721   | 441          | 511     | 67        | 190       | 8,715   | 12,446    |
| % change             | 187.9%   | -45.0%  | 20.6%   | 65.1%   | -6.2%      | 15.9%   | 183.7%       | 42.8%   | 309.3%       | 25.6%   | 0 1,271   | 0 1,800   | 0.0%    | 41.6%     |
| TOTAL CRANES LOST    | 14       | 30      | 1       | 2       | 42         | 99      | 406          | 480     | 46           | 23      | 17        | 27        | 686     | 1,096     |
| % change             | 116.2%   | -28.7%  | 141.2%  | 136.7%  | 18.1%      | -49.9%  | 61.6%        | 59.7%   | 0.0%         | 41.6%   | 0 1,271   | 0 1,800   | 0.0%    | 41.6%     |

\* Colorado and Texas now use permit systems for identifying crane hunters which greatly inflates the numbers of apparent crane hunters there. See discussion in text.

**TABLE 2A. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN COLORADO DURING THE 2005-06 HUNTING SEASON**

| GENERAL INFORMATION | COUNTY OF HARVEST | TOTAL ACTIVE HUNTERS* | ACTIVE HUNTER MEANS |           |             |              | EXPANDED TOTALS |      |      |     |
|---------------------|-------------------|-----------------------|---------------------|-----------|-------------|--------------|-----------------|------|------|-----|
|                     |                   |                       | DAYS AFIELD         | CRANE BAG | CRANES LOST | HUNTER -DAYS | CRANE           |      |      |     |
|                     |                   |                       |                     |           |             |              | BAG             | LOSS | KILL |     |
| # OF PERMITS        | 5,766             | BENT                  | 3                   | 5.16      | 0.00        | 0.00         | 15              | 0    | 0    | 0   |
| # CONTACTED         | 1,055             | KIOWA                 | 7                   | 5.16      | 1.03        | 1.03         | 38              | 8    | 8    | 15  |
| # RESPONDING        | 762               | LAS ANIMAS            | 1                   | 5.16      | 0.00        | 0.00         | 8               | 0    | 0    | 0   |
| % RESPONDING        | 72.2              | LOGAN                 | 1                   | 5.16      | 0.00        | 0.00         | 8               | 0    | 0    | 0   |
| % ACTIVE            | 4.86              | MORGAN                | 12                  | 5.16      | 0.00        | 0.00         | 61              | 0    | 0    | 0   |
|                     |                   | PROWERS               | 7                   | 5.16      | 7.23        | 1.03         | 38              | 53   | 8    | 61  |
|                     |                   | RIO GRANDE            | 3                   | 5.16      | 0.00        | 0.00         | 15              | 0    | 0    | 0   |
|                     |                   | WASHINGTON            | 3                   | 5.16      | 0.00        | 0.00         | 15              | 0    | 0    | 0   |
|                     |                   | WELD                  | 1                   | 5.16      | 0.00        | 0.00         | 8               | 0    | 0    | 0   |
|                     |                   | YUMA                  | 6                   | 5.16      | 0.00        | 0.00         | 30              | 0    | 0    | 0   |
|                     |                   | UNKOWN                | 235                 | 5.16      | 0.87        | 0.06         | 1211            | 204  | 15   | 219 |
|                     |                   | STATE TOTALS          | 280                 | 5.162     | 0.946       | 0.108        | 1,445           | 265  | 30   | 295 |

\* HIP survey county-level active hunter estimates are preliminary, based on the distribution of days hunted among counties, and thus not completely comparable to county estimates of previous years.

**TABLE 2B. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN KANSAS DURING THE 2005-06 HUNTING SEASON.**

| GENERAL INFORMATION | COUNTY OF HARVEST | TOTAL ACTIVE HUNTERS* | ACTIVE HUNTER MEANS |           |             |              | EXPANDED TOTALS |      |      |     |
|---------------------|-------------------|-----------------------|---------------------|-----------|-------------|--------------|-----------------|------|------|-----|
|                     |                   |                       | DAYS AFIELD         | CRANE BAG | CRANES LOST | HUNTER -DAYS | CRANE           |      |      |     |
|                     |                   |                       |                     |           |             |              | BAG             | LOSS | KILL |     |
| # OF PERMITS        | 805               | BARBER                | 12                  | 3.88      | 5.48        | 0.00         | 45              | 63   | 0    | 63  |
| # CONTACTED         | 390               | BARTON                | 32                  | 3.88      | 0.91        | 0.25         | 124             | 29   | 8    | 37  |
| # RESPONDING        | 306               | HARPER                | 1                   | 3.88      | 0.00        | 0.00         | 3               | 0    | 0    | 0   |
| % RESPONDING        | 78.5              | MEADE                 | 1                   | 3.88      | 0.00        | 0.00         | 5               | 0    | 0    | 0   |
| % ACTIVE            | 34.0              | PAWNEE                | 2                   | 3.88      | 2.59        | 0.00         | 8               | 5    | 0    | 5   |
|                     |                   | PRATT                 | 1                   | 3.88      | 0.00        | 0.00         | 3               | 0    | 0    | 0   |
|                     |                   | RENO                  | 1                   | 3.88      | 0.00        | 0.00         | 5               | 0    | 0    | 0   |
|                     |                   | RICE                  | 2                   | 3.88      | 0.00        | 1.29         | 8               | 0    | 3    | 3   |
|                     |                   | SCOTT                 | 1                   | 3.88      | 0.00        | 0.00         | 3               | 0    | 0    | 0   |
|                     |                   | STAFFORD              | 55                  | 3.88      | 1.87        | 0.00         | 213             | 103  | 0    | 103 |
|                     |                   | UNKNOWN               | 167                 | 3.88      | 1.63        | 0.19         | 647             | 271  | 32   | 303 |
|                     |                   | STATE TOTALS          | 274                 | 3.885     | 1.721       | 0.154        | 1,063           | 471  | 42   | 513 |

\* HIP survey county-level active hunter estimates are preliminary, based on the distribution of days hunted among counties, and thus not completely comparable to county estimates of previous years.

**TABLE 2C. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN MONTANA DURING THE 2005-06 HUNTING SEASON.**

| GENERAL INFORMATION | COUNTY OF HARVEST | TOTAL ACTIVE HUNTERS* | ACTIVE HUNTER MEANS |           |             |              | EXPANDED TOTALS |      |      |    |
|---------------------|-------------------|-----------------------|---------------------|-----------|-------------|--------------|-----------------|------|------|----|
|                     |                   |                       | DAYS AFIELD         | CRANE BAG | CRANES LOST | HUNTER -DAYS | CRANE           |      |      |    |
|                     |                   |                       |                     |           |             |              | BAG             | LOSS | KILL |    |
| # OF PERMITS        | 281               | CUSTER                | 3                   | 2.92      | 0.37        | 0.00         | 10              | 1    | 0    | 1  |
| # CONTACTED         | 266               | DANIELS               | 0                   | 2.92      | 0.00        | 0.00         | 1               | 0    | 0    | 0  |
| # RESPONDING        | 233               | FALLON                | 1                   | 2.92      | 0.00        | 0.00         | 2               | 0    | 0    | 0  |
| % RESPONDING        | 87.6              | GARFIELD              | 5                   | 2.92      | 0.00        | 0.00         | 13              | 0    | 0    | 0  |
| % ACTIVE            | 32.2              | JUDITH BASIN          | 8                   | 2.92      | 1.84        | 0.15         | 23              | 14   | 1    | 16 |
|                     |                   | MADISON               | 1                   | 2.92      | 1.46        | 0.00         | 2               | 1    | 0    | 1  |
|                     |                   | PHILLIPS              | 7                   | 2.92      | 0.00        | 0.00         | 19              | 0    | 0    | 0  |
|                     |                   | PRAIRIE               | 2                   | 2.92      | 0.00        | 0.00         | 5               | 0    | 0    | 0  |
|                     |                   | ROOSEVELT             | 5                   | 2.92      | 0.97        | 0.00         | 14              | 5    | 0    | 5  |
|                     |                   | ROSEBUD               | 0                   | 2.92      | 0.00        | 0.00         | 1               | 0    | 0    | 0  |
|                     |                   | SHERIDAN              | 14                  | 2.92      | 1.46        | 0.00         | 41              | 21   | 0    | 21 |
|                     |                   | STILLWATER            | 0                   | 2.92      | 0.00        | 0.00         | 1               | 0    | 0    | 0  |
|                     |                   | SWEET GRASS           | 0                   | 2.92      | 0.00        | 0.00         | 1               | 0    | 0    | 0  |
|                     |                   | TREASURE              | 1                   | 2.92      | 0.00        | 0.00         | 2               | 0    | 0    | 0  |
|                     |                   | VALLEY                | 2                   | 2.92      | 1.46        | 0.49         | 7               | 4    | 1    | 5  |
|                     |                   | WHEATLAND             | 0                   | 2.92      | 2.92        | 0.00         | 1               | 1    | 0    | 1  |
|                     |                   | YELLOWSTONE           | 4                   | 2.92      | 0.97        | 0.00         | 11              | 4    | 0    | 4  |
|                     |                   | UNKNOWN               | 37                  | 2.92      | 0.39        | 0.00         | 107             | 14   | 0    | 14 |
|                     |                   | STATE TOTALS          | 90                  | 2.920     | 0.720       | 0.027        | 264             | 65   | 2    | 68 |

\* HIP survey county-level active hunter estimates are preliminary, based on the distribution of days hunted among counties, and thus not completely comparable to county estimates of previous years.

TABLE 2D. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN NEW MEXICO DURING THE 2005-06 HUNTING SEAS

| GENERAL INFORMATION | COUNTY OF HARVEST | TOTAL ACTIVE HUNTERS* | ACTIVE HUNTER MEANS |           |             | HUNTER -DAYS | EXPANDED TOTALS |      |      |
|---------------------|-------------------|-----------------------|---------------------|-----------|-------------|--------------|-----------------|------|------|
|                     |                   |                       | DAYS AFIELD         | CRANE BAG | CRANES LOST |              | CRANE           |      |      |
|                     |                   |                       |                     |           |             |              | BAG             | LOSS | KILL |
| # OF PERMITS        | 494 CHAVES        | 126                   | 2.87                | 2.57      | 0.62        | 360          | 323             | 78   | 401  |
| # CONTACTED         | 230 CURRY         | 2                     | 2.87                | 0.00      | 0.00        | 6            | 0               | 0    | 0    |
| # RESPONDING        | 159 EDDY          | 17                    | 2.87                | 0.00      | 0.00        | 50           | 0               | 0    | 0    |
| % RESPONDING        | 69.1 ROOSEVELT    | 17                    | 2.87                | 4.48      | 0.54        | 50           | 78              | 9    | 87   |
| % ACTIVE            | 47.2 SOCORRO      | 3                     | 2.87                | 5.73      | 0.00        | 9            | 19              | 0    | 19   |
|                     | VALENCIA          | 2                     | 2.87                | 1.43      | 1.43        | 6            | 3               | 3    | 6    |
|                     | UNKNOWN           | 65                    | 2.87                | 2.48      | 0.14        | 186          | 155             | 9    | 165  |
|                     | STATE TOTALS      | 233                   | 2.867               | 2.480     | 0.427       | 668          | 578             | 99   | 677  |

\* HIP survey county-level active hunter estimates are preliminary, based on the distribution of days hunted among counties, and thus not completely comparable to county estimates of previous years.

TABLE 2E. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN NORTH DAKOTA DURING THE 2005-06 HUNTING SEAS

| GENERAL INFORMATION | COUNTY OF HARVEST | TOTAL ACTIVE HUNTERS* | ACTIVE HUNTER MEANS |           |             | HUNTER -DAYS | EXPANDED TOTALS |      |       |
|---------------------|-------------------|-----------------------|---------------------|-----------|-------------|--------------|-----------------|------|-------|
|                     |                   |                       | DAYS AFIELD         | CRANE BAG | CRANES LOST |              | CRANE           |      |       |
|                     |                   |                       |                     |           |             |              | BAG             | LOSS | KILL  |
| # OF PERMITS        | 7,441 BENSON      | 103                   | 3.59                | 2.01      | 0.31        | 369          | 207             | 32   | 240   |
| # CONTACTED         | 1,472 BOTTINEAU   | 96                    | 3.59                | 0.81      | 0.14        | 344          | 78              | 13   | 91    |
| # RESPONDING        | 1,148 BOWMAN      | 2                     | 3.59                | 0.00      | 0.00        | 6            | 0               | 0    | 0     |
| % RESPONDING        | 78.0 BURKE        | 40                    | 3.59                | 1.30      | 0.00        | 143          | 52              | 0    | 52    |
| % ACTIVE            | 45.3 BURLEIGH     | 54                    | 3.59                | 2.39      | 0.48        | 194          | 130             | 26   | 156   |
|                     | CAVALIER          | 4                     | 3.59                | 0.00      | 0.00        | 13           | 0               | 0    | 0     |
|                     | DAWSON            | 5                     | 3.59                | 0.00      | 0.00        | 19           | 0               | 0    | 0     |
|                     | DICKEY            | 5                     | 3.59                | 0.00      | 0.00        | 19           | 0               | 0    | 0     |
|                     | DIVIDE            | 58                    | 3.59                | 1.23      | 0.11        | 207          | 71              | 6    | 78    |
|                     | EDDY              | 72                    | 3.59                | 1.52      | 0.18        | 259          | 110             | 13   | 123   |
|                     | EMMONS            | 25                    | 3.59                | 1.79      | 0.26        | 91           | 45              | 6    | 52    |
|                     | FOSTER            | 25                    | 3.59                | 0.00      | 0.00        | 91           | 0               | 0    | 0     |
|                     | GRIGGS            | 5                     | 3.59                | 0.00      | 0.00        | 19           | 0               | 0    | 0     |
|                     | HARVEY            | 11                    | 3.59                | 0.00      | 0.00        | 39           | 0               | 0    | 0     |
|                     | KIDDER            | 224                   | 3.59                | 1.85      | 0.20        | 804          | 415             | 45   | 460   |
|                     | KRAMER            | 5                     | 3.59                | 0.00      | 0.00        | 19           | 0               | 0    | 0     |
|                     | LA MOURE          | 11                    | 3.59                | 0.00      | 0.00        | 39           | 0               | 0    | 0     |
|                     | LOGAN             | 89                    | 3.59                | 0.07      | 0.00        | 318          | 6               | 0    | 6     |
|                     | MCHENRY           | 72                    | 3.59                | 1.61      | 0.81        | 259          | 117             | 58   | 175   |
|                     | MCINTOSH          | 9                     | 3.59                | 1.43      | 0.00        | 32           | 13              | 0    | 13    |
|                     | MCLEAN            | 94                    | 3.59                | 3.59      | 0.21        | 337          | 337             | 19   | 356   |
|                     | MERCER            | 7                     | 3.59                | 3.59      | 0.00        | 26           | 26              | 0    | 26    |
|                     | MOUNTRAIL         | 29                    | 3.59                | 0.67      | 0.00        | 104          | 19              | 0    | 19    |
|                     | NELSON            | 9                     | 3.59                | 0.00      | 0.00        | 32           | 0               | 0    | 0     |
|                     | PIERCE            | 89                    | 3.59                | 0.88      | 0.15        | 318          | 78              | 13   | 91    |
|                     | RAMSEY            | 67                    | 3.59                | 0.58      | 0.10        | 240          | 39              | 6    | 45    |
|                     | RENVILLE          | 14                    | 3.59                | 0.00      | 0.00        | 52           | 0               | 0    | 0     |
|                     | ROLETTE           | 20                    | 3.59                | 0.98      | 0.00        | 71           | 19              | 0    | 19    |
|                     | SARGENT           | 5                     | 3.59                | 0.00      | 0.00        | 19           | 0               | 0    | 0     |
|                     | SHERIDAN          | 228                   | 3.59                | 1.65      | 0.14        | 817          | 376             | 32   | 408   |
|                     | STUTSMAN          | 159                   | 3.59                | 0.69      | 0.04        | 570          | 110             | 6    | 117   |
|                     | TOWNER            | 49                    | 3.59                | 0.93      | 0.00        | 175          | 45              | 0    | 45    |
|                     | WARD              | 60                    | 3.59                | 2.06      | 0.00        | 214          | 123             | 0    | 123   |
|                     | WELLS             | 119                   | 3.59                | 1.20      | 0.11        | 428          | 143             | 13   | 156   |
|                     | WILLIAMS          | 2                     | 3.59                | 0.00      | 0.00        | 6            | 0               | 0    | 0     |
|                     | UNKNOWN           | 1,504                 | 3.59                | 0.77      | 0.13        | 5,393        | 1,160           | 188  | 1,348 |
|                     | STATE TOTALS      | 3,370                 | 3.587               | 1.104     | 0.142       | 12,088       | 3,721           | 480  | 4,200 |

\* HIP survey county-level active hunter estimates are preliminary, based on the distribution of days hunted among counties, and thus not completely comparable to county estimates of previous years.

**TABLE 2F. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN OKLAHOMA DURING THE 2005-06 HUNTING SEASON**

| GENERAL INFORMATION | COUNTY OF HARVEST | TOTAL ACTIVE HUNTERS* | ACTIVE HUNTER MEANS |           |             |              | EXPANDED TOTALS |      |      |     |
|---------------------|-------------------|-----------------------|---------------------|-----------|-------------|--------------|-----------------|------|------|-----|
|                     |                   |                       | DAYS AFIELD         | CRANE BAG | CRANES LOST | HUNTER -DAYS | CRANE           |      |      |     |
|                     |                   |                       |                     |           |             |              | BAG             | LOSS | KILL |     |
| # OF PERMITS        | 698               | ALFALFA               | 18                  | 2.20      | 2.20        | 0.16         | 40              | 40   | 3    | 43  |
| # CONTACTED         | 661               | BEAVER                | 3                   | 2.20      | 0.00        | 0.00         | 7               | 0    | 0    | 0   |
| # RESPONDING        | 485               | CADDO                 | 1                   | 2.20      | 0.00        | 0.00         | 1               | 0    | 0    | 0   |
| % RESPONDING        | 73.4              | COMANCHE              | 8                   | 2.20      | 4.03        | 0.00         | 17              | 32   | 0    | 32  |
| % ACTIVE            | 37.1              | COTTON                | 1                   | 2.20      | 2.20        | 0.00         | 1               | 1    | 0    | 1   |
|                     |                   | CUSTER                | 20                  | 2.20      | 0.35        | 0.07         | 45              | 7    | 1    | 9   |
|                     |                   | ELLIS                 | 1                   | 2.20      | 2.20        | 0.00         | 1               | 1    | 0    | 1   |
|                     |                   | GARFIELD              | 4                   | 2.20      | 2.20        | 0.00         | 9               | 9    | 0    | 9   |
|                     |                   | GRANT                 | 6                   | 2.20      | 1.96        | 0.00         | 13              | 12   | 0    | 12  |
|                     |                   | GREER                 | 7                   | 2.20      | 2.40        | 0.00         | 16              | 17   | 0    | 17  |
|                     |                   | HARMON                | 1                   | 2.20      | 0.00        | 0.00         | 1               | 0    | 0    | 0   |
|                     |                   | JACKSON               | 24                  | 2.20      | 3.86        | 0.12         | 53              | 94   | 3    | 96  |
|                     |                   | MAJOR                 | 3                   | 2.20      | 6.60        | 0.00         | 6               | 17   | 0    | 17  |
|                     |                   | OKLAHOMA              | 1                   | 2.20      | 0.00        | 0.00         | 1               | 0    | 0    | 0   |
|                     |                   | ROGER MILLS           | 1                   | 2.20      | 0.00        | 0.00         | 1               | 0    | 0    | 0   |
|                     |                   | KIOWA                 | 1                   | 2.20      | 0.00        | 0.00         | 3               | 0    | 0    | 0   |
|                     |                   | SNYDER                | 3                   | 2.20      | 0.00        | 0.00         | 6               | 0    | 0    | 0   |
|                     |                   | STEPHENS              | 2                   | 2.20      | 4.40        | 0.00         | 4               | 9    | 0    | 9   |
|                     |                   | TEXAS                 | 1                   | 2.20      | 2.20        | 0.00         | 1               | 1    | 0    | 1   |
|                     |                   | TILLMAN               | 31                  | 2.20      | 3.44        | 0.05         | 69              | 108  | 1    | 109 |
|                     |                   | WASHITA               | 4                   | 2.20      | 0.00        | 0.00         | 9               | 0    | 0    | 0   |
|                     |                   | WOODS                 | 5                   | 2.20      | 3.30        | 0.00         | 12              | 17   | 0    | 17  |
|                     |                   | WOODWARD              | 1                   | 2.20      | 0.00        | 0.00         | 1               | 0    | 0    | 0   |
|                     |                   | UNKNOWN               | 114                 | 2.20      | 1.28        | 0.13         | 250             | 145  | 14   | 160 |
|                     |                   | STATE TOTALS          | 259                 | 2.200     | 1.972       | 0.089        | 570             | 511  | 23   | 534 |

\* HIP survey county-level active hunter estimates are preliminary, based on the distribution of days hunted among counties, and thus not completely comparable to county estimates of previous years.

**TABLE 2G. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN SOUTH DAKOTA DURING THE 2005-06 HUNTING SE**

| GENERAL INFORMATION | COUNTY OF HARVEST | TOTAL ACTIVE HUNTERS* | ACTIVE HUNTER MEANS |           |             |              | EXPANDED TOTALS |      |      |     |
|---------------------|-------------------|-----------------------|---------------------|-----------|-------------|--------------|-----------------|------|------|-----|
|                     |                   |                       | DAYS AFIELD         | CRANE BAG | CRANES LOST | HUNTER -DAYS | CRANE           |      |      |     |
|                     |                   |                       |                     |           |             |              | BAG             | LOSS | KILL |     |
| # OF PERMITS        | 490               | AURORA                | 7                   | 3.51      | 2.81        | 0.70         | 23              | 18   | 5    | 23  |
| # CONTACTED         | 233               | BENNETT               | 1                   | 3.51      | 0.00        | 0.00         | 2               | 0    | 0    | 0   |
| # RESPONDING        | 214               | BROWN                 | 3                   | 3.51      | 2.11        | 0.00         | 11              | 7    | 0    | 7   |
| % RESPONDING        | 91.8              | BRULE                 | 13                  | 3.51      | 2.81        | 0.35         | 46              | 37   | 5    | 41  |
| % ACTIVE            | 33.6              | BUTTE                 | 3                   | 3.51      | 1.41        | 0.00         | 11              | 5    | 0    | 5   |
|                     |                   | CAMPBELL              | 5                   | 3.51      | 3.01        | 0.00         | 16              | 14   | 0    | 14  |
|                     |                   | CHARLES MIX           | 7                   | 3.51      | 0.64        | 0.00         | 25              | 5    | 0    | 5   |
|                     |                   | CLARK                 | 5                   | 3.51      | 0.00        | 0.00         | 18              | 0    | 0    | 0   |
|                     |                   | DEWEY                 | 1                   | 3.51      | 0.00        | 0.00         | 5               | 0    | 0    | 0   |
|                     |                   | EDMUNDS               | 9                   | 3.51      | 3.26        | 0.75         | 32              | 30   | 7    | 37  |
|                     |                   | FAULK                 | 1                   | 3.51      | 0.00        | 1.76         | 5               | 0    | 2    | 2   |
|                     |                   | HAND                  | 6                   | 3.51      | 1.17        | 0.39         | 21              | 7    | 2    | 9   |
|                     |                   | HUGHES                | 9                   | 3.51      | 0.00        | 0.00         | 32              | 0    | 0    | 0   |
|                     |                   | HYDE                  | 3                   | 3.51      | 1.76        | 0.00         | 9               | 5    | 0    | 5   |
|                     |                   | LYMAN                 | 2                   | 3.51      | 0.00        | 0.00         | 7               | 0    | 0    | 0   |
|                     |                   | MCPHERSON             | 8                   | 3.51      | 1.17        | 0.00         | 27              | 9    | 0    | 9   |
|                     |                   | POTTER                | 9                   | 3.51      | 1.00        | 0.00         | 32              | 9    | 0    | 9   |
|                     |                   | SPINK                 | 3                   | 3.51      | 0.88        | 0.88         | 9               | 2    | 2    | 5   |
|                     |                   | SULLY                 | 12                  | 3.51      | 1.11        | 0.00         | 44              | 14   | 0    | 14  |
|                     |                   | WALWORTH              | 5                   | 3.51      | 0.00        | 0.00         | 18              | 0    | 0    | 0   |
|                     |                   | UNKNOWN               | 53                  | 3.51      | 0.56        | 0.09         | 185             | 30   | 5    | 34  |
|                     |                   | STATE TOTALS          | 165                 | 3.514     | 1.153       | 0.167        | 579             | 190  | 27   | 218 |

\* HIP survey county-level active hunter estimates are preliminary, based on the distribution of days hunted among counties, and thus not completely comparable to county estimates of previous years.

TABLE 2H. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN TEXAS DURING THE 2005-06 HUNTING SEASON

| GENERAL INFORMATION | COUNTY OF HARVEST | TOTAL ACTIVE HUNTERS* | ACTIVE HUNTER MEANS |           |             | EXPANDED TOTALS |           |            |            |
|---------------------|-------------------|-----------------------|---------------------|-----------|-------------|-----------------|-----------|------------|------------|
|                     |                   |                       | DAYS AFIELD         | CRANE BAG | CRANES LOST | HUNTER -DAYS    | CRANE BAG | CRANE LOSS | CRANE KILL |
| # OF PERMITS        | 51,511            | 8                     | 3.10                | 0.00      | 0.00        | 24              | 0         | 0          | 0          |
| # CONTACTED         | 7,041             | 4                     | 3.10                | 3.10      | 0.00        | 12              | 12        | 0          | 12         |
| # RESPONDING        | 4,325             | 42                    | 3.10                | 1.97      | 0.00        | 131             | 83        | 0          | 83         |
| % RESPONDING        | 61.4              | 4                     | 3.10                | 0.00      | 0.00        | 12              | 0         | 0          | 0          |
| % ACTIVE            | 10.4              | 42                    | 3.10                | 6.77      | 0.56        | 131             | 286       | 24         | 310        |
|                     |                   | 8                     | 3.10                | 0.00      | 0.00        | 24              | 0         | 0          | 0          |
|                     |                   | 8                     | 3.10                | 7.75      | 0.00        | 24              | 60        | 0          | 60         |
|                     |                   | 184                   | 3.10                | 3.75      | 0.13        | 572             | 691       | 24         | 715        |
|                     |                   | 8                     | 3.10                | 0.00      | 0.00        | 24              | 0         | 0          | 0          |
|                     |                   | 31                    | 3.10                | 8.53      | 0.78        | 95              | 262       | 24         | 286        |
|                     |                   | 12                    | 3.10                | 1.03      | 0.00        | 36              | 12        | 0          | 12         |
|                     |                   | 15                    | 3.10                | 5.43      | 0.78        | 48              | 83        | 12         | 95         |
|                     |                   | 19                    | 3.10                | 6.20      | 0.62        | 60              | 119       | 12         | 131        |
|                     |                   | 261                   | 3.10                | 1.28      | 0.14        | 810             | 333       | 36         | 369        |
|                     |                   | 12                    | 3.10                | 0.00      | 0.00        | 36              | 0         | 0          | 0          |
|                     |                   | 15                    | 3.10                | 2.33      | 0.00        | 48              | 36        | 0          | 36         |
|                     |                   | 61                    | 3.10                | 4.26      | 0.39        | 191             | 262       | 24         | 286        |
|                     |                   | 8                     | 3.10                | 10.86     | 0.00        | 24              | 83        | 0          | 83         |
|                     |                   | 8                     | 3.10                | 6.20      | 0.00        | 24              | 48        | 0          | 48         |
|                     |                   | 4                     | 3.10                | 0.00      | 0.00        | 12              | 0         | 0          | 0          |
|                     |                   | 54                    | 3.10                | 6.20      | 0.00        | 167             | 333       | 0          | 333        |
|                     |                   | 35                    | 3.10                | 2.41      | 0.00        | 107             | 83        | 0          | 83         |
|                     |                   | 8                     | 3.10                | 4.65      | 1.55        | 24              | 36        | 12         | 48         |
|                     |                   | 31                    | 3.10                | 0.00      | 0.00        | 95              | 0         | 0          | 0          |
|                     |                   | 8                     | 3.10                | 3.10      | 0.00        | 24              | 24        | 0          | 24         |
|                     |                   | 12                    | 3.10                | 0.00      | 0.00        | 36              | 0         | 0          | 0          |
|                     |                   | 15                    | 3.10                | 5.43      | 0.00        | 48              | 83        | 0          | 83         |
|                     |                   | 8                     | 3.10                | 4.65      | 0.00        | 24              | 36        | 0          | 36         |
|                     |                   | 4                     | 3.10                | 0.00      | 0.00        | 12              | 0         | 0          | 0          |
|                     |                   | 8                     | 3.10                | 15.51     | 1.55        | 24              | 119       | 12         | 131        |
|                     |                   | 23                    | 3.10                | 4.65      | 0.00        | 71              | 107       | 0          | 107        |
|                     |                   | 15                    | 3.10                | 8.53      | 0.00        | 48              | 131       | 0          | 131        |
|                     |                   | 38                    | 3.10                | 0.93      | 0.00        | 119             | 36        | 0          | 36         |
|                     |                   | 19                    | 3.10                | 1.24      | 0.62        | 60              | 24        | 12         | 36         |
|                     |                   | 8                     | 3.10                | 0.00      | 0.00        | 24              | 0         | 0          | 0          |
|                     |                   | 8                     | 3.10                | 1.55      | 1.55        | 24              | 12        | 12         | 24         |
|                     |                   | 61                    | 3.10                | 7.56      | 0.58        | 191             | 464       | 36         | 500        |
|                     |                   | 42                    | 3.10                | 1.97      | 0.00        | 131             | 83        | 0          | 83         |
|                     |                   | 8                     | 3.10                | 0.00      | 0.00        | 24              | 0         | 0          | 0          |
|                     |                   | 35                    | 3.10                | 1.72      | 0.00        | 107             | 60        | 0          | 60         |
|                     |                   | 12                    | 3.10                | 0.00      | 0.00        | 36              | 0         | 0          | 0          |
|                     |                   | 23                    | 3.10                | 0.00      | 0.00        | 71              | 0         | 0          | 0          |
|                     |                   | 42                    | 3.10                | 4.79      | 0.00        | 131             | 202       | 0          | 202        |
|                     |                   | 69                    | 3.10                | 6.72      | 0.86        | 214             | 464       | 60         | 524        |
|                     |                   | 19                    | 3.10                | 3.10      | 0.62        | 60              | 60        | 12         | 71         |
|                     |                   | 88                    | 3.10                | 4.72      | 0.27        | 274             | 417       | 24         | 441        |
|                     |                   | 35                    | 3.10                | 5.86      | 0.34        | 107             | 202       | 12         | 214        |
|                     |                   | 227                   | 3.10                | 2.68      | 0.16        | 703             | 607       | 36         | 643        |
|                     |                   | 46                    | 3.10                | 2.07      | 0.26        | 143             | 95        | 12         | 107        |
|                     |                   | 4                     | 3.10                | 9.31      | 0.00        | 12              | 36        | 0          | 36         |
|                     |                   | 23                    | 3.10                | 0.52      | 0.00        | 71              | 12        | 0          | 12         |
|                     |                   | 8                     | 3.10                | 0.00      | 0.00        | 24              | 0         | 0          | 0          |
|                     |                   | 8                     | 3.10                | 3.10      | 0.00        | 24              | 24        | 0          | 24         |
|                     |                   | 35                    | 3.10                | 1.72      | 0.69        | 107             | 60        | 24         | 83         |
|                     |                   | 4                     | 3.10                | 0.00      | 0.00        | 12              | 0         | 0          | 0          |
|                     |                   | 23                    | 3.10                | 5.17      | 0.00        | 71              | 119       | 0          | 119        |

\* HIP survey county-level active hunter estimates are preliminary, based on the distribution of days hunted among counties, and thus not completely comparable to county estimates of previous years.



TABLE 2H. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN TEXAS DURING THE 2005-06 HUNTING SEASON (con

| GENERAL INFORMATION | COUNTY OF HARVEST | TOTAL ACTIVE HUNTERS* | ACTIVE HUNTER MEANS |           |             | EXPANDED TOTALS |        |       |        |
|---------------------|-------------------|-----------------------|---------------------|-----------|-------------|-----------------|--------|-------|--------|
|                     |                   |                       | DAYS AFIELD         | CRANE BAG | CRANES LOST | HUNTER -DAYS    | CRANE  |       |        |
|                     |                   |                       |                     |           |             | BAG             | LOSS   | KILL  |        |
|                     | RANDALL           | 12                    | 3.10                | 9.31      | 0.00        | 36              | 107    | 0     | 107    |
|                     | REFUGIO           | 4                     | 3.10                | 3.10      | 0.00        | 12              | 12     | 0     | 12     |
|                     | ROCHESTER         | 8                     | 3.10                | 0.00      | 0.00        | 24              | 0      | 0     | 0      |
|                     | RUNNELS           | 12                    | 3.10                | 0.00      | 0.00        | 36              | 0      | 0     | 0      |
|                     | SAN PATRICIO      | 15                    | 3.10                | 1.55      | 0.78        | 48              | 24     | 12    | 36     |
|                     | SCURRY            | 54                    | 3.10                | 4.65      | 1.11        | 167             | 250    | 60    | 310    |
|                     | SWISHER           | 12                    | 3.10                | 9.31      | 0.00        | 36              | 107    | 0     | 107    |
|                     | TAYLOR            | 38                    | 3.10                | 4.03      | 0.00        | 119             | 155    | 0     | 155    |
|                     | TERRY             | 123                   | 3.10                | 6.20      | 0.48        | 381             | 762    | 60    | 822    |
|                     | THROCKMORTON      | 15                    | 3.10                | 5.43      | 0.00        | 48              | 83     | 0     | 83     |
|                     | TOM GREEN         | 4                     | 3.10                | 0.00      | 0.00        | 12              | 0      | 0     | 0      |
|                     | TRAVIS            | 4                     | 3.10                | 0.00      | 0.00        | 12              | 0      | 0     | 0      |
|                     | VICTORIA          | 4                     | 3.10                | 0.00      | 0.00        | 12              | 0      | 0     | 0      |
|                     | WALLER            | 15                    | 3.10                | 1.55      | 0.00        | 48              | 24     | 0     | 24     |
|                     | WEBB              | 4                     | 3.10                | 3.10      | 0.00        | 12              | 12     | 0     | 12     |
|                     | WHARTON           | 296                   | 3.10                | 2.05      | 0.08        | 917             | 607    | 24    | 631    |
|                     | WHEELER           | 4                     | 3.10                | 0.00      | 0.00        | 12              | 0      | 0     | 0      |
|                     | WILSON            | 4                     | 3.10                | 6.20      | 0.00        | 12              | 24     | 0     | 24     |
|                     | YOUNG             | 46                    | 3.10                | 1.03      | 0.00        | 143             | 48     | 0     | 48     |
|                     | ZAVALA            | 35                    | 3.10                | 1.72      | 0.00        | 107             | 60     | 0     | 60     |
|                     | UNKNOWN           | 2,822                 | 3.10                | 1.37      | 0.19        | 8,754           | 3871   | 524   | 4,395  |
|                     | STATE TOTALS      | 5,383                 | 3.102               | 2.312     | 0.204       | 16,698          | 12,446 | 1,096 | 13,542 |

\* HIP survey county-level active hunter estimates are preliminary, based on the distribution of days hunted among counties, and thus not completely comparable to county estimates of previous years.

TABLE 2I. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN WYOMING DURING THE 2005-06 HUNTING SEASON

| GENERAL INFORMATION | COUNTY OF HARVEST | TOTAL ACTIVE HUNTERS* | ACTIVE HUNTER MEANS |           |             | EXPANDED TOTALS |       |      |   |    |
|---------------------|-------------------|-----------------------|---------------------|-----------|-------------|-----------------|-------|------|---|----|
|                     |                   |                       | DAYS AFIELD         | CRANE BAG | CRANES LOST | HUNTER -DAYS    | CRANE |      |   |    |
|                     |                   |                       |                     |           |             | BAG             | LOSS  | KILL |   |    |
| # OF PERMITS        | 68                | CAMPBELL              | 1                   | 4.00      | 0.00        | 0.00            | 5     | 0    | 0 | 0  |
| # CONTACTED         | 66                | GOSHEN                | 7                   | 4.00      | 1.64        | 0.00            | 28    | 11   | 0 | 11 |
| # RESPONDING        | 54                | LARAMIE               | 1                   | 4.00      | 1.00        | 0.00            | 5     | 1    | 0 | 1  |
| % RESPONDING        | 81.8              | PLATTE                | 2                   | 4.00      | 0.00        | 0.00            | 8     | 0    | 0 | 0  |
| % ACTIVE            | 35.2              | UNKNOWN               | 13                  | 4.00      | 0.30        | 0.00            | 50    | 4    | 0 | 0  |
|                     |                   | STATE TOTALS          | 24                  | 4.000     | 0.684       | 0.000           | 96    | 16   | 0 | 16 |

\* HIP survey county-level active hunter estimates are preliminary, based on the distribution of days hunted among counties, and thus not completely comparable to county estimates of previous years.

\*\*\*\*\*  
 COMBINED TOTALS 10,079 3.321 1.812 0.179 33,471 18,263 1,800 20,063

TOTAL PERMITS ISSUED 67,554 NUMBER CONTACTED = 11,414 NUMBER RESPONDING = 7,686 (67.3%)

TABLE 3. SUMMARY OF SELECTED SANDHILL CRANE HUNTING ACTIVITY AND HARVEST DATA FOR THE CENTRAL FLYWAY BY SEASON SINCE 1975.

| Season  | TOTAL PERMITS ISSUED | PERCENT HUNTING CRANES | NUMBER HUNTING CRANES | NUMBER OF DAYS HUNTED | NO. OF CRANES BAGGED* | BAG PER ACTIVE HUNTER | NO. OF CRANES LOST* |
|---------|----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| 1975-76 | 11,863               | 58.6                   | 6,949                 | 23,646                | 9,497                 | 1.37                  | 1,885               |
| 1976-77 | 11,352               | 44.9                   | 5,092                 | 18,780                | 7,393                 | 1.45                  | 1,384               |
| 1977-78 | 13,800               | 58.3                   | 8,048                 | 25,412                | 12,151                | 1.51                  | 2,013               |
| 1978-79 | 13,659               | 56.2                   | 7,683                 | 22,992                | 10,146                | 1.32                  | 1,860               |
| 1979-80 | 12,598               | 55.7                   | 7,011                 | 21,351                | 10,379                | 1.48                  | 1,650               |
| 1980-81 | 13,413               | 53.4                   | 7,164                 | 21,951                | 10,152                | 1.42                  | 1,737               |
| 1981-82 | 13,258               | 53.4                   | 7,077                 | 21,888                | 10,134                | 1.43                  | 1,777               |
| 1982-83 | 12,370               | 41.8                   | 5,172                 | 14,559                | 7,916                 | 1.53                  | 1,397               |
| 1983-84 | 18,306               | 39.0                   | 7,143                 | 21,874                | 12,959                | 1.81                  | 2,224               |
| 1984-85 | 17,420               | 39.2                   | 6,821                 | 20,281                | 11,271                | 1.65                  | 1,889               |
| 1985-86 | 17,444               | 34.3                   | 5,988                 | 17,855                | 12,776                | 2.13                  | 1,864               |
| 1986-87 | 19,298               | 30.3                   | 5,840                 | 15,959                | 12,487                | 2.14                  | 1,867               |
| 1987-88 | 18,067               | 28.9                   | 5,229                 | 14,453                | 12,770                | 2.44                  | 1,714               |
| 1988-89 | 16,368               | 32.0                   | 5,232                 | 14,169                | 12,772                | 2.44                  | 1,628               |
| 1989-90 | 17,496               | 32.9                   | 5,752                 | 15,126                | 13,639                | 2.37                  | 2,081               |
| 1990-91 | 22,720               | 33.6                   | 7,631                 | 20,423                | 18,041                | 2.36                  | 2,519               |
| 1991-92 | 18,147               | 32.3                   | 5,859                 | 15,147                | 13,079                | 2.23                  | 1,768               |
| 1992-93 | 17,127               | 30.9                   | 5,284                 | 14,833                | 12,433                | 2.35                  | 1,459               |
| 1993-94 | 18,864 **            | 37.2                   | 7,023                 | 20,049                | 18,005                | 2.56                  | 2,251               |
| 1994-95 | 19,412               | 36.8                   | 7,141                 | 20,392                | 16,201                | 2.27                  | 1,676               |
| 1995-96 | 20,209               | 36.9                   | 7,455                 | 23,266                | 20,616                | 2.77                  | 2,236               |
| 1996-97 | 21,330               | 34.5                   | 7,354                 | 22,291                | 17,111                | 2.33                  | 2,011               |
| 1997-98 | 46,843 **            | 17.2                   | 8,064                 | 21,877                | 19,766                | 2.45                  | 2,279               |
| 1998-99 | 47,734               | 17.1                   | 8,173                 | 24,242                | 19,831                | 2.43                  | 2,143               |
| 1999-00 | 48,607               | 13.6                   | 6,629                 | 19,593                | 17,149                | 2.59                  | 1,717               |
| 2000-01 | 61,311               | 11.3                   | 6,950                 | 19,112                | 15,504                | 2.23                  | 1,430               |
| 2001-02 | 67,560               | 11.9                   | 8,039                 | 22,428                | 15,000                | 1.87                  | 1,516               |
| 2002-03 | 55,384               | 15.1                   | 8,358                 | 27,931                | 15,008                | 1.80                  | 1,351               |
| 2003-04 | 58,646               | 14.2                   | 8,315                 | 24,847                | 18,335                | 2.21                  | 1,628               |
| 2004-05 | 66,917               | 13.7                   | 9,171                 | 31,909                | 14,546                | 1.59                  | 1,271               |
| 2005-06 | 67,554               | 14.9                   | 10,079                | 33,471                | 18,263                | 1.81                  | 1,800               |

\* "Bagged" and "lost" refer to retrieved and unretrieved kill respectively.

\*\* Kansas began hunting cranes in 1993; see text for explanation of increases since 1996.