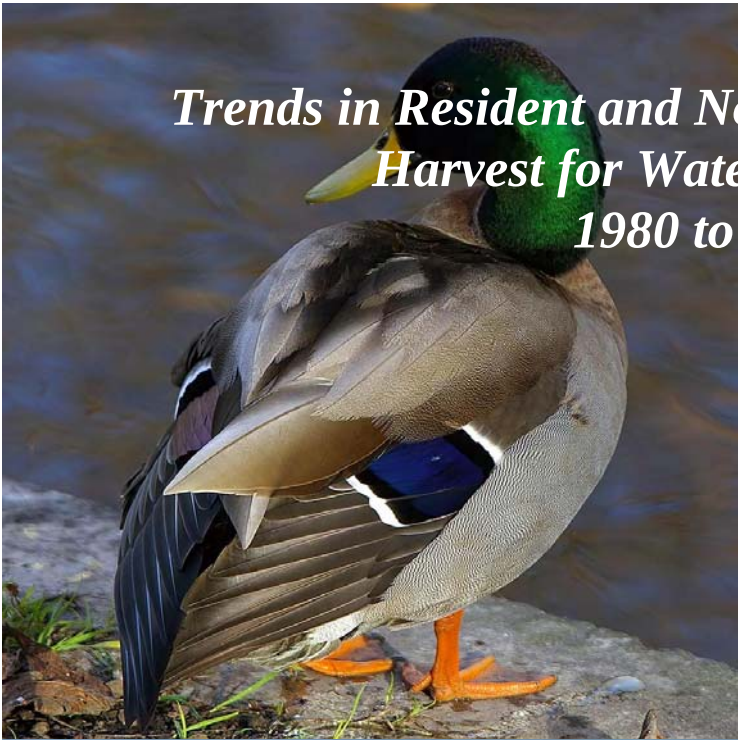


*Trends in Resident and Non-resident Hunter Effort and  
Harvest for Waterfowl in Mississippi:  
1980 to the Present*



Human Dimensions & Conservation Law Enforcement Laboratory  
Forest and Wildlife Research Center  
Mississippi State University

***Trends in Resident and Non-resident Hunter Effort and  
Harvest for Waterfowl in Mississippi:  
1980 to the Present***

**Prepared for the**

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## INTRODUCTION & METHODS

Self-administered mail surveys of resident hunters have been conducted intermittently since the 1947-48 Mississippi hunting season to estimate hunter effort and game harvest in Mississippi, with annual surveys (unless noted) starting in the 1980-1981 hunting season. Non-resident hunter surveys began on an annual basis in the hunting 1994-95 season (unless noted).

Currently, the annual surveys are administered by the Human Dimensions & Conservation Law Enforcement Laboratory in the Forest & Wildlife Research Center at Mississippi State University using the most recent mail survey methodology prescribed by Dillman (2000). This entails an introductory letter being sent to hunters followed one-week later by another letter, questionnaire, and business reply envelope (i.e., a complete packet). Ten days after that, hunters are sent a reminder/thank you postcard. Non-respondents are sent a complete packet as necessary three and seven weeks after the postcard.

These surveys provide information to biologists and researchers to determine trends in total harvest, average seasonal harvest per hunter, average daily harvest per hunter, average person-days spent afield, total person-days spent afield, percent successful hunters, and the proportion of hunters seeking 13 different game species and feral hog. This report includes mail survey data for mallard duck (*Anas platyrhynchos*), wood duck (*Aix sponsa*), other duck species, and geese (*Branta canadensis*) spanning from the 1980-81 hunting season to the 2005-06 hunting season for resident hunters, and data spanning from the 1994-95 hunting season to the 2005-06 hunting season for non-resident hunters.

This document will be updated annually with most recent data and will evolve to include other measures and information as that information is extracted from archived files. This report does not attempt to determine and describe trends in hunter effort and harvest. It is meant to provide the reader with the data for these estimates in an organized manner.



## **LITERATURE CITED**

Dillman, D.A. 2000. *Mail and Internet Surveys: The Tailored Design Method*. 2<sup>nd</sup> Edition. New York: John Wiley and Sons, Inc.

## RESULTS

TABLE 1. Mississippi total duck hunting effort and harvest trends for licensed resident hunters  
(1980 to the Present)

|         | Total<br>Harvest | SE of<br>Total<br>Harvest | Average<br>Daily<br>Kill | Average<br>Seasonal<br>Harvest | Percent<br>Successful<br>Hunters | Total<br>Man<br>Days | Average<br>Seasonal<br>Days<br>Hunting | Total<br>Hunters | Percent of<br>Total<br>Licensees (A) |
|---------|------------------|---------------------------|--------------------------|--------------------------------|----------------------------------|----------------------|----------------------------------------|------------------|--------------------------------------|
| 1980-81 | 705,831          | 37,092                    | 1.87                     | 14.85                          | 89.9                             | 369,502              | 7.95                                   | 47,878           | 18.7                                 |
| 1981-82 | 694,151          | 62,506                    | 1.88                     | 14.70                          | 87.7                             | 366,921              | 7.92                                   | 48,076           | 19.8                                 |
| 1982-83 | 504,425          | 50,629                    | 1.69                     | 12.53                          | 85.8                             | 284,657              | 7.21                                   | 40,455           | 15.4                                 |
| 1983-84 | 861,532          | 86,068                    | 2.08                     | 17.71                          | 87.5                             | 405,702              | 8.66                                   | 48,886           | 18.9                                 |
| 1984-85 | 565,598          | 50,855                    | 1.80                     | 14.94                          | 85.9                             | 302,904              | 8.21                                   | 38,156           | 14.9                                 |
| 1985-86 | 409,673          | 28,786                    | 1.65                     | 11.88                          | 83.0                             | 236,886              | 7.05                                   | 34,818           | 13.7                                 |
| 1986-87 | 378,709          | 37,089                    | 1.53                     | 10.60                          | 91.2                             | 234,507              | 6.71                                   | 36,074           | 14.1                                 |
| 1987-88 | 346,402          | 42,394                    | 1.73                     | 12.05                          | 86.9                             | 196,953              | 7.04                                   | 28,875           | 11.2                                 |
| 1988-89 | -                | -                         | -                        | -                              | -                                | -                    | -                                      | -                | -                                    |
| 1989-90 | 263,934          | 34,486                    | 1.71                     | 12.54                          | 88.5                             | 145,382              | 7.10                                   | 40,001           | 17.5                                 |
| 1990-91 | 230,625          | 27,693                    | 1.57                     | 11.04                          | 88.6                             | 145,891              | 7.24                                   | 26,040           | 11.4                                 |
| 1991-92 | 160,468          | 19,834                    | 1.47                     | 9.70                           | 85.9                             | 105,375              | 6.60                                   | 16,418           | 7.2                                  |
| 1992-93 | 242,421          | 26,128                    | 1.58                     | 12.01                          | 87.7                             | 137,170              | 7.09                                   | 20,165           | 8.7                                  |
| 1993-94 | 223,014          | 17,141                    | 1.67                     | 11.40                          | 86.7                             | 126,613              | 6.77                                   | 19,412           | 8.8                                  |
| 1994-95 | 416,432          | 36,181                    | 1.94                     | 16.72                          | 89.6                             | 197,702              | 8.32                                   | 25,307           | 11.8                                 |
| 1995-96 | 566,016          | 57,670                    | 2.19                     | 21.22                          | 92.1                             | 248,216              | 9.63                                   | 26,917           | 12.9                                 |
| 1996-97 | 530,223          | 52,377                    | 2.19                     | 20.10                          | 89.9                             | 252,756              | 9.63                                   | 26,382           | 12.8                                 |
| 1997-98 | -                | -                         | -                        | -                              | -                                | -                    | -                                      | -                | -                                    |
| 1998-99 | 552,797          | 35,918                    | 1.90                     | 18.73                          | 90.1                             | 289,680              | 9.93                                   | 30,226           | 14.6                                 |
| 1999-00 | -                | -                         | -                        | -                              | -                                | -                    | -                                      | -                | -                                    |
| 2000-01 | 338,229          | 34,140                    | 1.94                     | 20.18                          | 89.1                             | 164,447              | 10.41                                  | 15,793           | 7.8                                  |
| 2001-02 | 443,002          | 44,930                    | 1.55                     | 16.62                          | 83.8                             | 255,645              | 10.70                                  | 23,891           | 11.9                                 |
| 2002-03 | 483,109          | 57,639                    | 2.05                     | 23.02                          | 83.9                             | 214,943              | 11.25                                  | 19,106           | 10.1                                 |
| 2003-04 | 294,075          | 42,143                    | 1.55                     | 17.07                          | 88.1                             | 170,127              | 11.02                                  | 15,441           | 8.3                                  |
| 2004-05 | 428,057          | 69,440                    | 1.69                     | 20.90                          | 87.4                             | 211,469              | 12.34                                  | 17,131           | 9.3                                  |
| 2005-06 | 348,867          | 36,583                    | 1.90                     | 18.77                          | 87.7                             | 157,151              | 9.88                                   | 15,910           | 9.1                                  |

(A) Calculated as a percent of small game license holders only

Figure 1. Trends in total harvest of duck for licensed resident hunters (1980 to the Present)

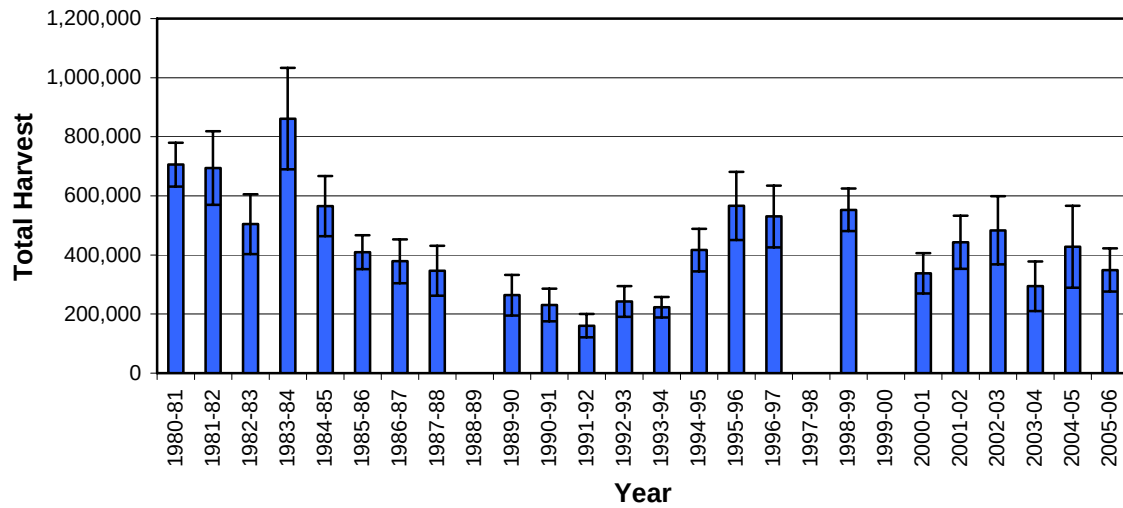


Figure 2. Trends in average daily kill of duck for licensed resident hunters (1980 to the Present)

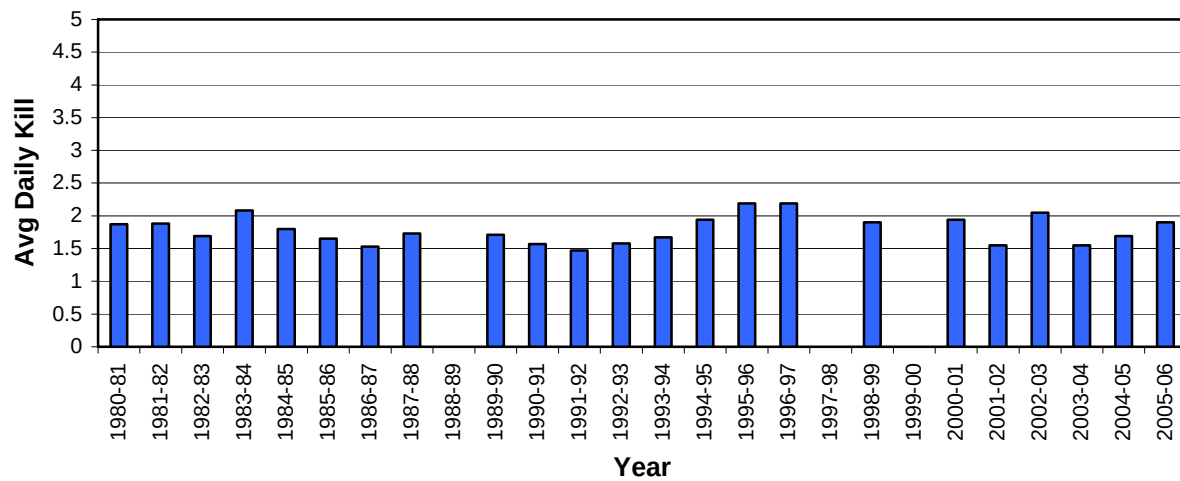


Figure 3. Trends in average seasonal harvest of duck for licensed resident hunters (1980 to the Present)

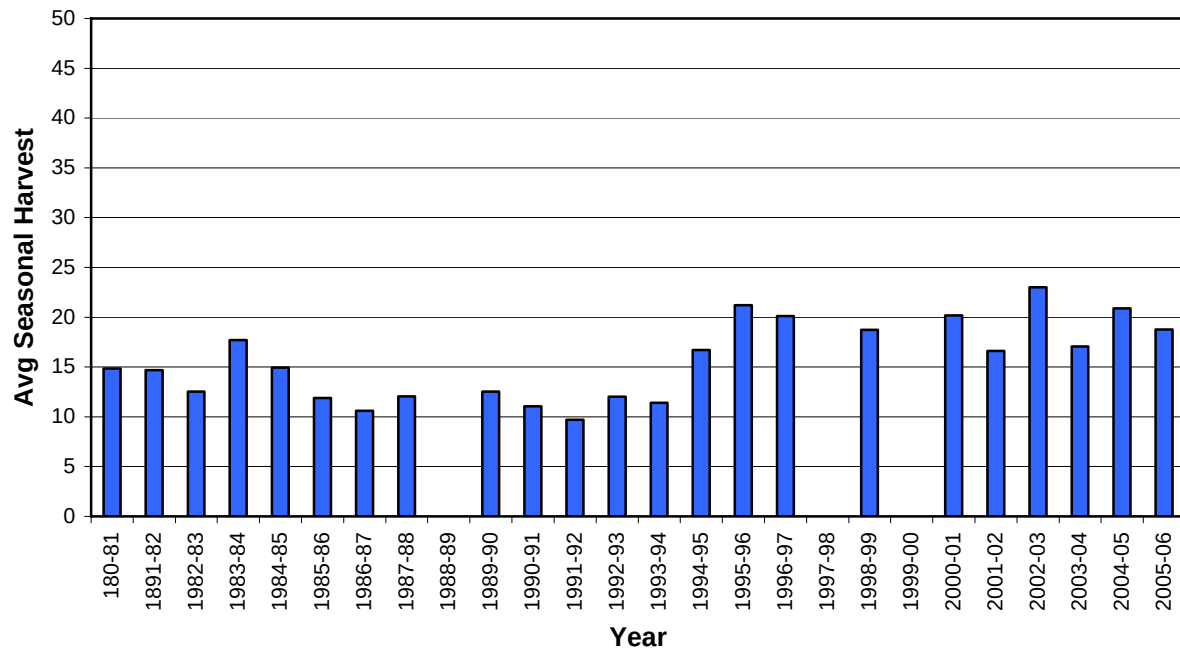


Figure 4. Trends in perfect successful duck hunters for licensed resident hunters (1980 to the Present)

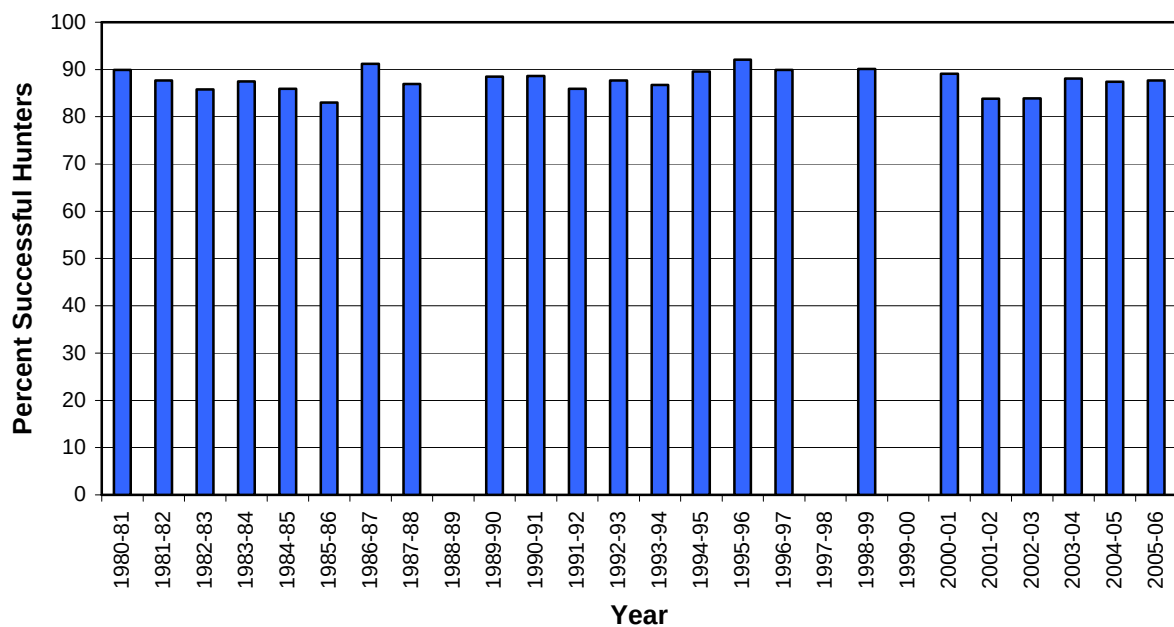


Figure 5. Trends in total man days duck hunting for licensed resident hunters (1980 to the Present)

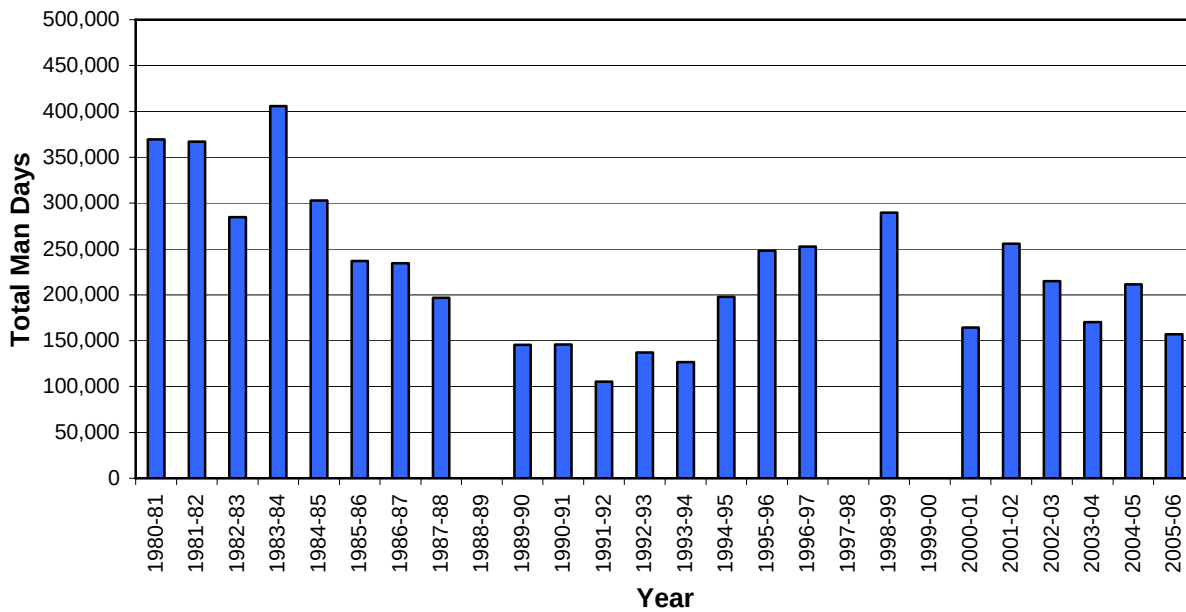


Figure 6. Trends in average seasonal days duck hunting for licensed resident hunters (1980 to the Present)

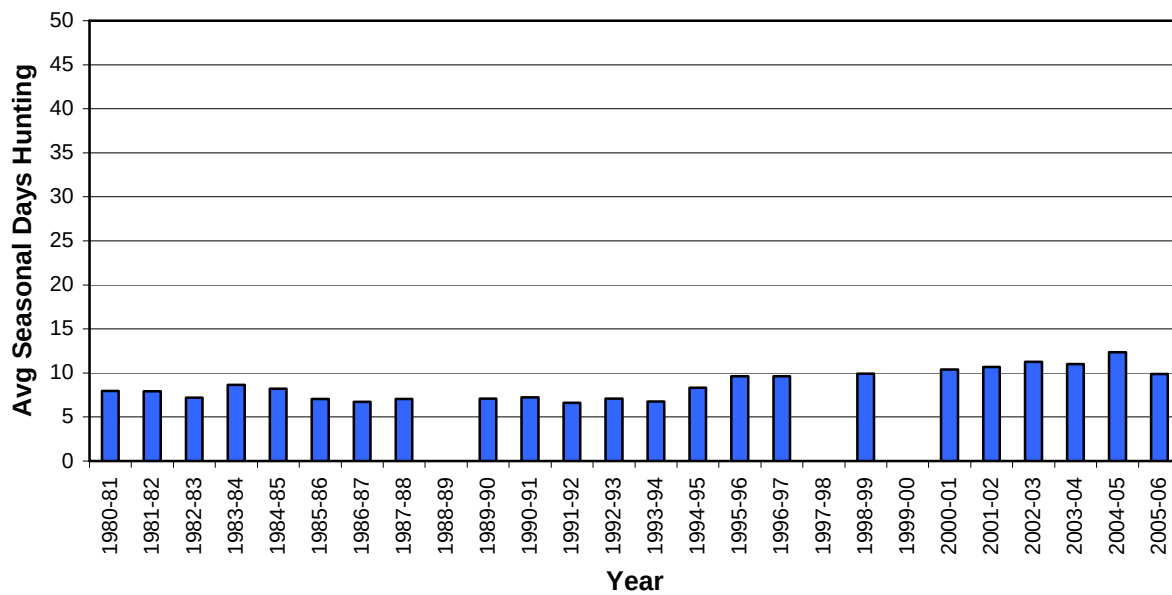


Figure 7. Trends in total duck hunters for licensed resident hunters (1980 to the Present)

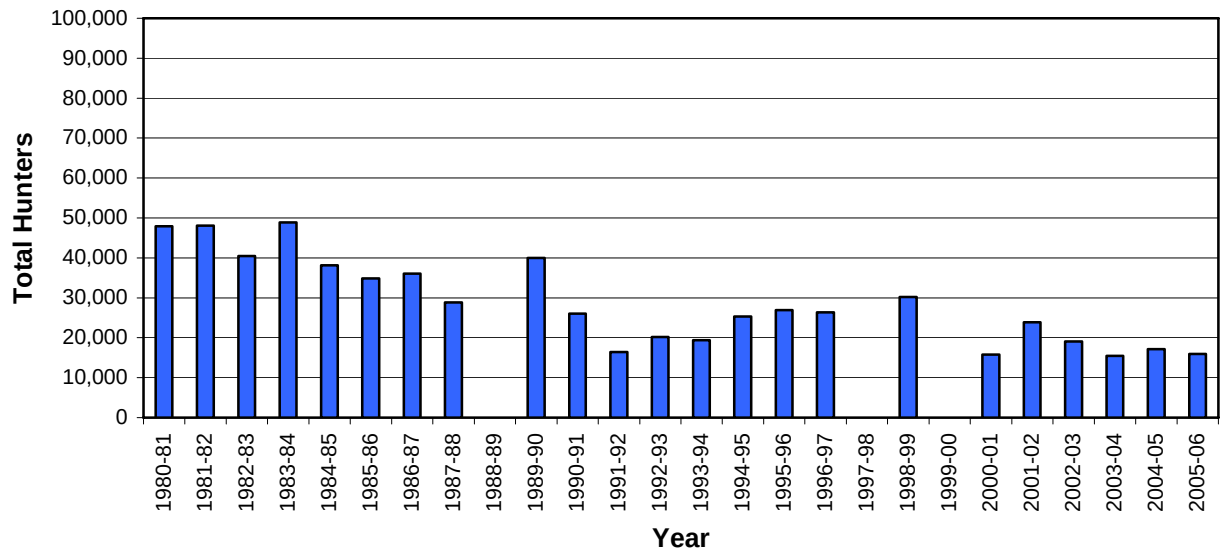


Figure 8. Trends in proportion of licensed resident hunters who hunted for duck (1980 to the Present)

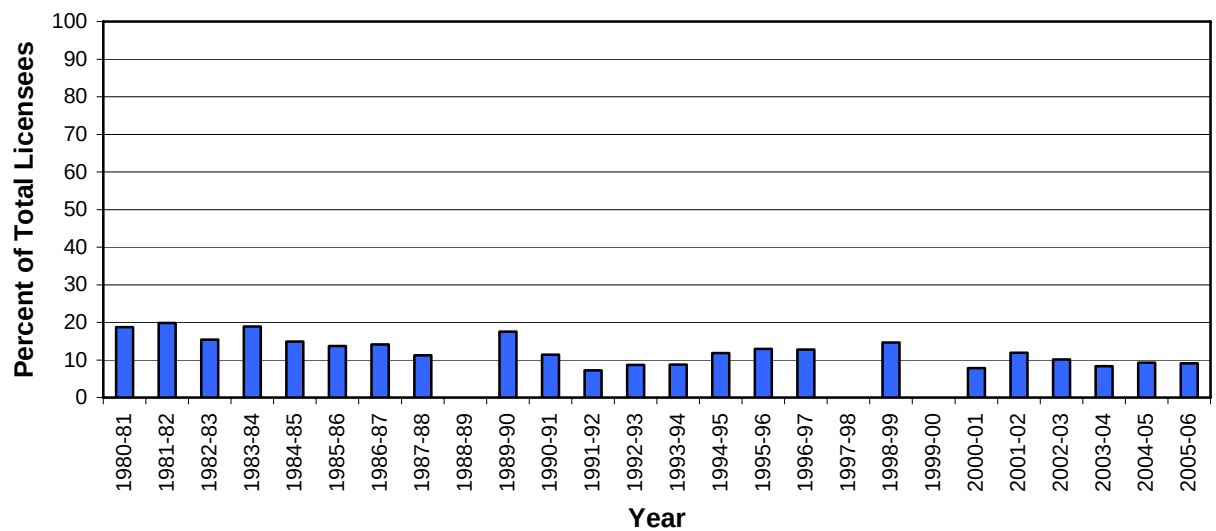


TABLE 2. Mississippi total duck hunting effort and harvest trends for licensed non-resident hunters (1994 to the Present)

|         | Total<br>Harvest | SE of<br>Total<br>Harvest | Average<br>Daily<br>Kill | Average<br>Seasonal<br>Harvest | Percent<br>Successful<br>Hunters | Total<br>Man<br>Days | Average<br>Seasonal<br>Days<br>Hunting | Total<br>Hunters | Percent of<br>Total<br>Licensees (A) |
|---------|------------------|---------------------------|--------------------------|--------------------------------|----------------------------------|----------------------|----------------------------------------|------------------|--------------------------------------|
| 1994-95 | 21,353           | -                         | 3.64                     | 8.98                           | 90.3                             | 13,925               | 5.17                                   | 3,626            | 20.0                                 |
| 1995-96 | 69,740           | -                         | 2.85                     | 17.10                          | 93.8                             | 24,816               | 6.08                                   | 4,206            | 23.5                                 |
| 1996-97 | -                | -                         | -                        | -                              | -                                | -                    | -                                      | -                | -                                    |
| 1997-98 | -                | -                         | -                        | -                              | -                                | -                    | -                                      | -                | -                                    |
| 1998-99 | 131,517          | -                         | 0.87                     | 4.88                           | 66.6                             | 49,980               | 5.78                                   | 9,113            | 41.5                                 |
| 1999-00 | -                | -                         | -                        | -                              | -                                | -                    | -                                      | -                | -                                    |
| 2000-01 | 84,821           | 6,736                     | 2.35                     | 21.49                          | 92.9                             | 34,158               | 9.14                                   | 3,739            | 10.9                                 |
| 2001-02 | 120,670          | 8,875                     | 2.26                     | 15.50                          | 87.0                             | 44,846               | 6.84                                   | 6,552            | 18.3                                 |
| 2002-03 | 103,262          | 9,426                     | 2.25                     | 16.12                          | 89.9                             | 41,599               | 7.17                                   | 5,799            | 17.7                                 |
| 2003-04 | 79,441           | 7,493                     | 2.37                     | 16.55                          | 88.1                             | 28,757               | 6.97                                   | 4,126            | 13.1                                 |
| 2004-05 | 90,602           | 9,920                     | 2.27                     | 24.85                          | 95.3                             | 35,791               | 10.96                                  | 3,266            | 10.0                                 |
| 2005-06 | 131,383          | 8,088                     | 2.61                     | 18.52                          | 91.9                             | 42,031               | 7.10                                   | 5,923            | 18.8                                 |

(A) Calculated as a percent of small game license holders only

Figure 9. Trends in total harvest of duck for licensed non-resident hunters (1994 to the Present)

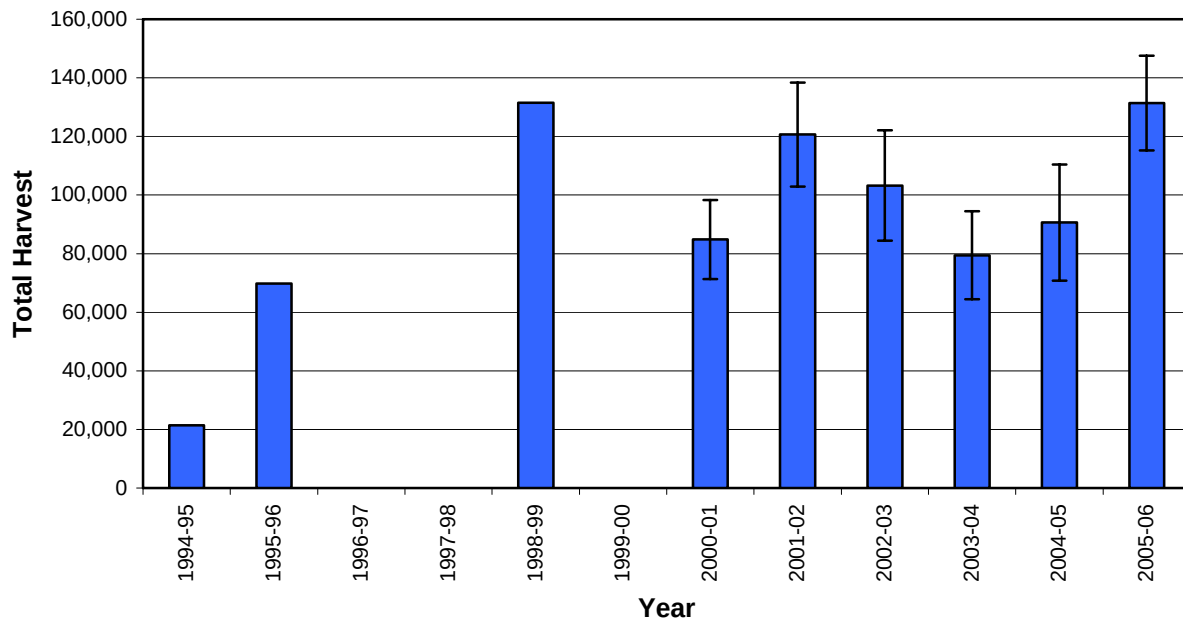


Figure 10. Trends in average daily kill of ducks for licensed non-resident hunters (1994 to the Present)

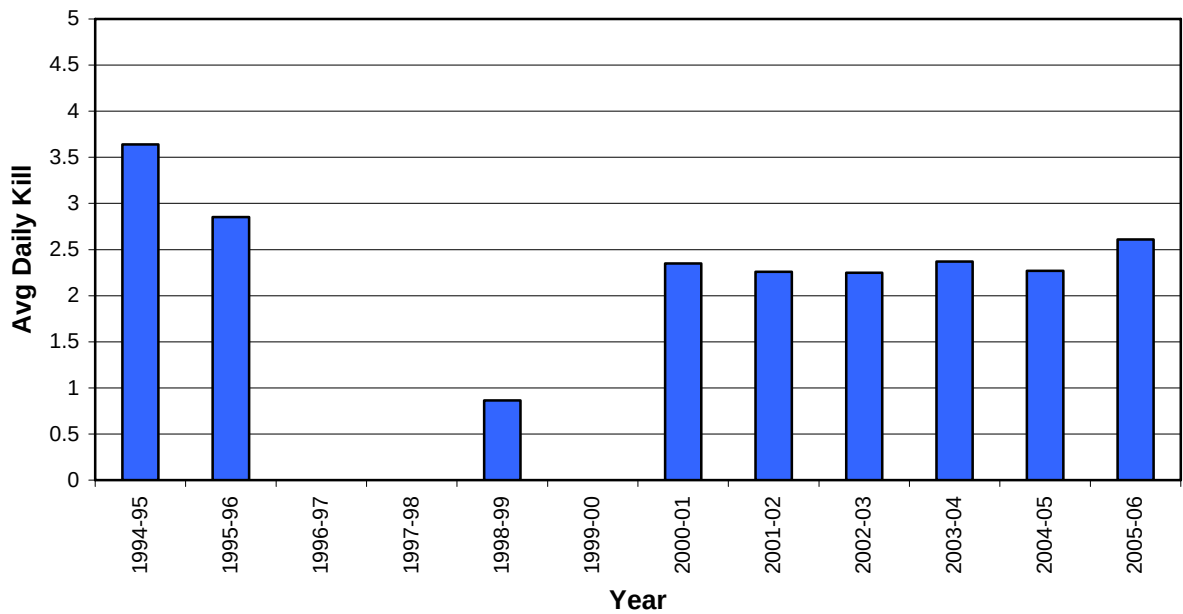




Figure 11. Trends in average seasonal harvest of duck for licensed non-resident hunters (1994 to the Present)

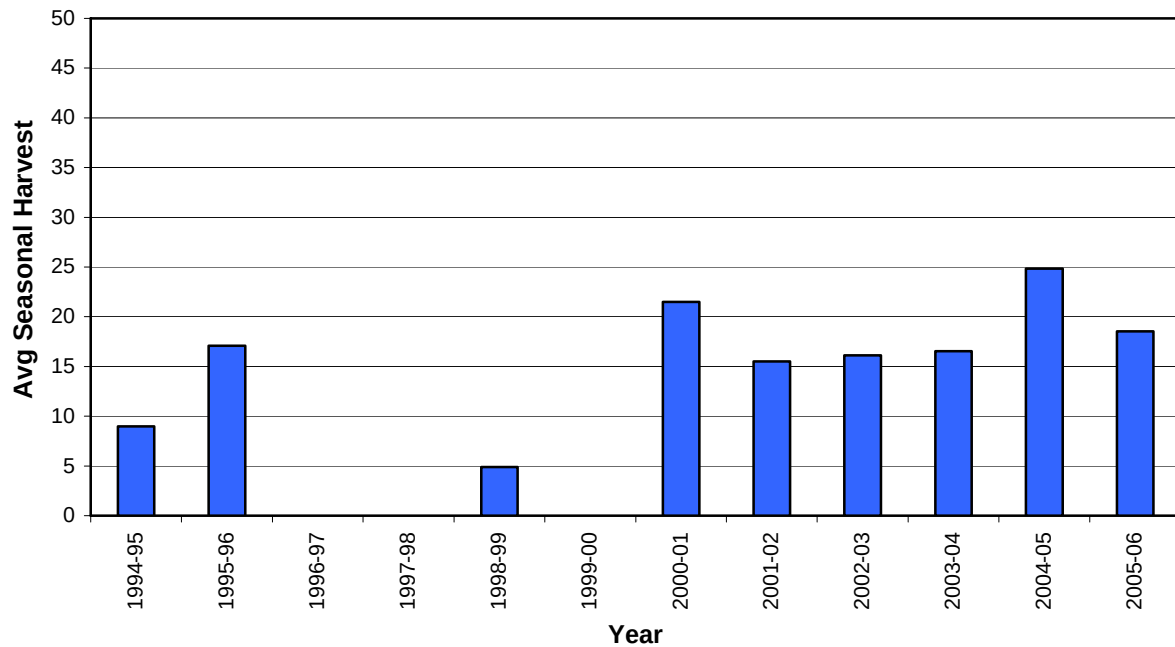


Figure 12. Trends in percent successful duck hunters for licensed non-resident hunters (1994 to the Present)

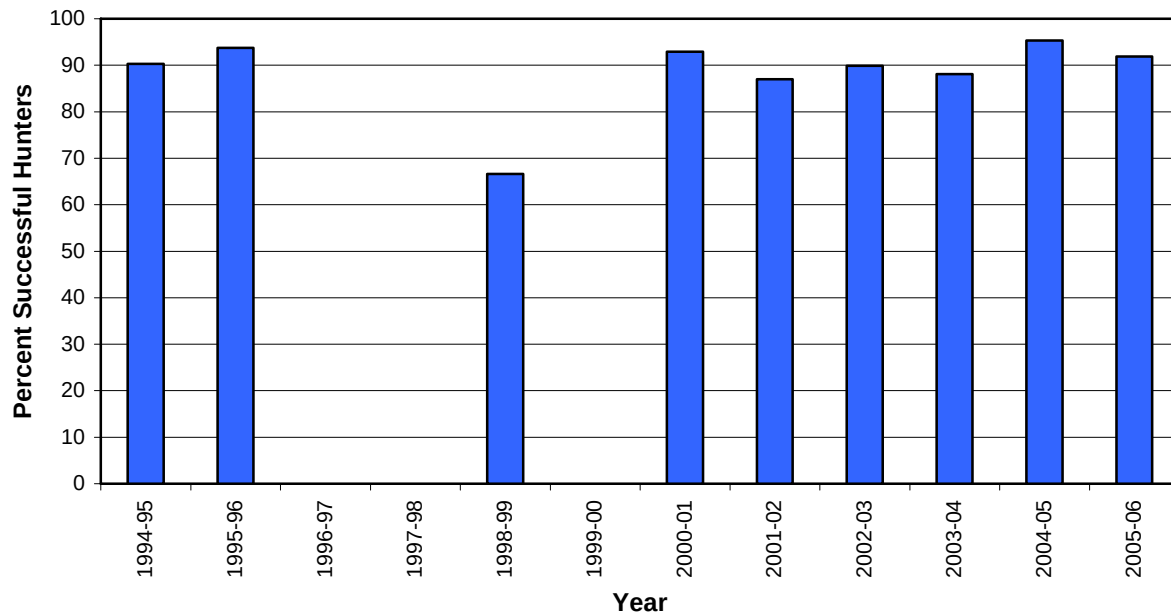


Figure 13. Trends in total man days duck hunting for licensed non-resident hunters (1994 to the Present)

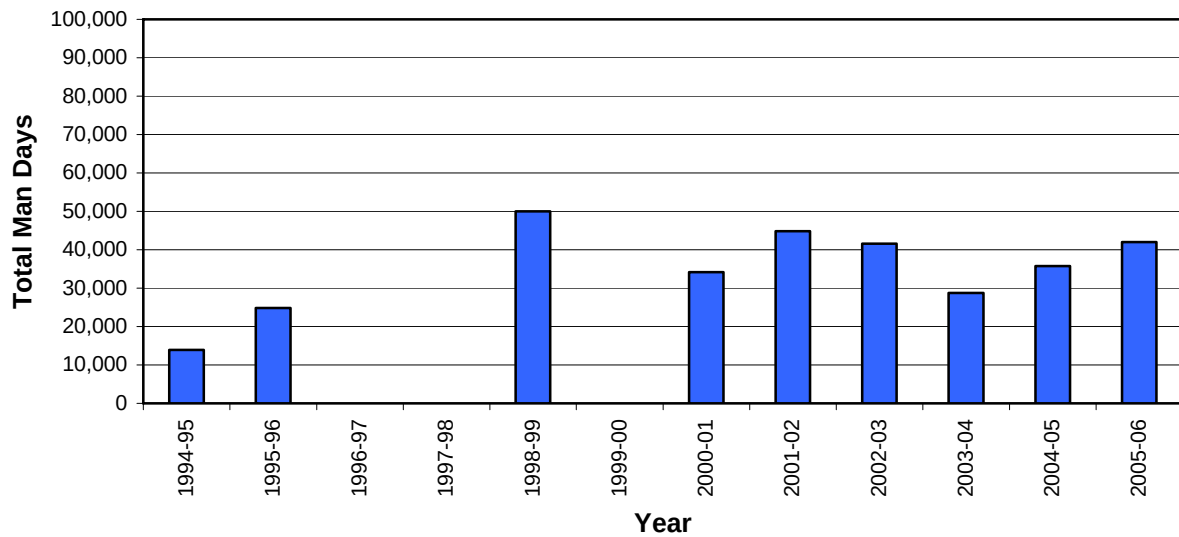


Figure 14. Trends in average seasonal days duck hunting for licensed non-resident hunters (1994 to the Present)

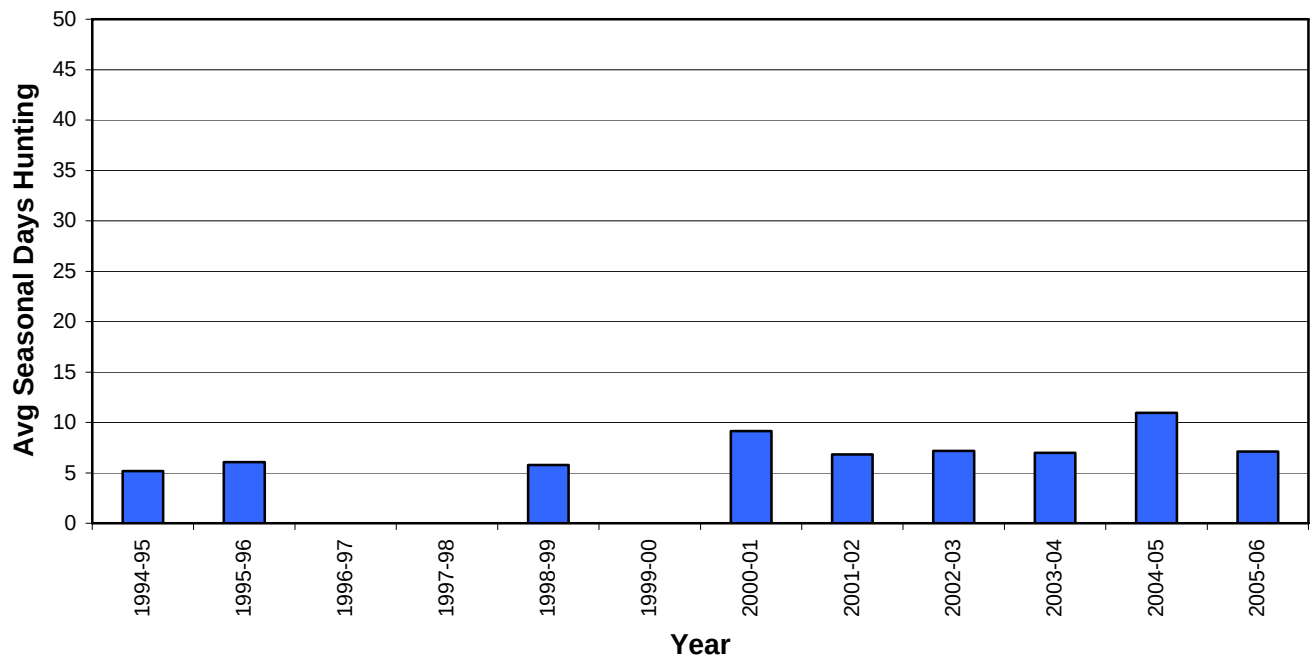


Figure 15. Trends in total duck hunters for licensed non-resident hunters (1994 to the Present)

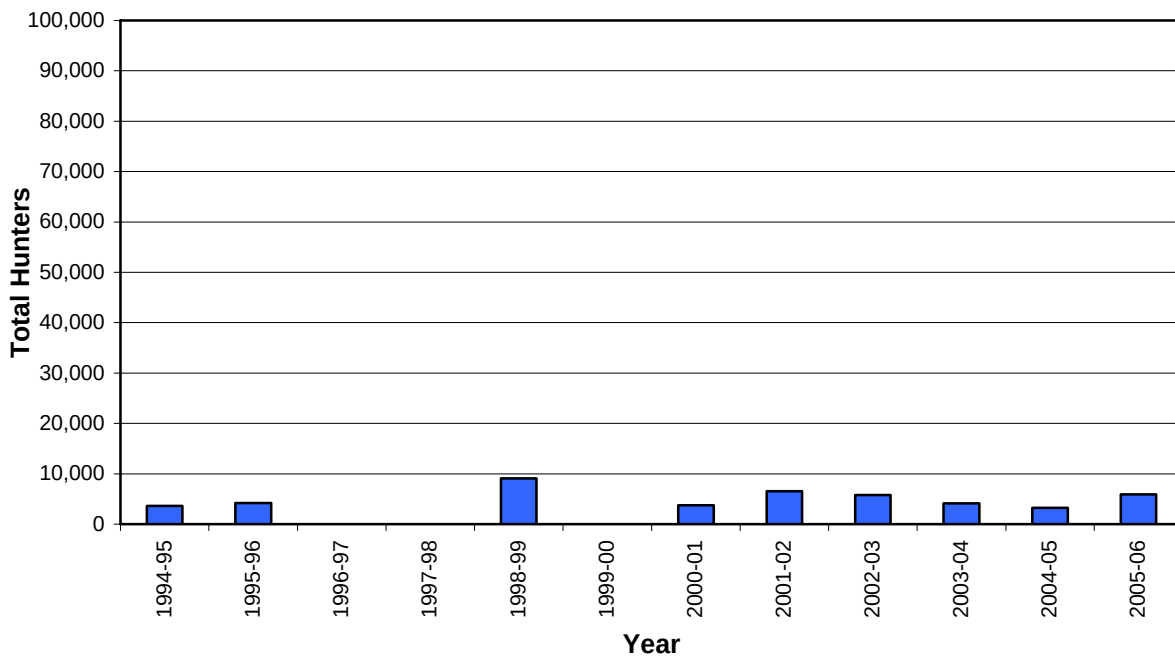
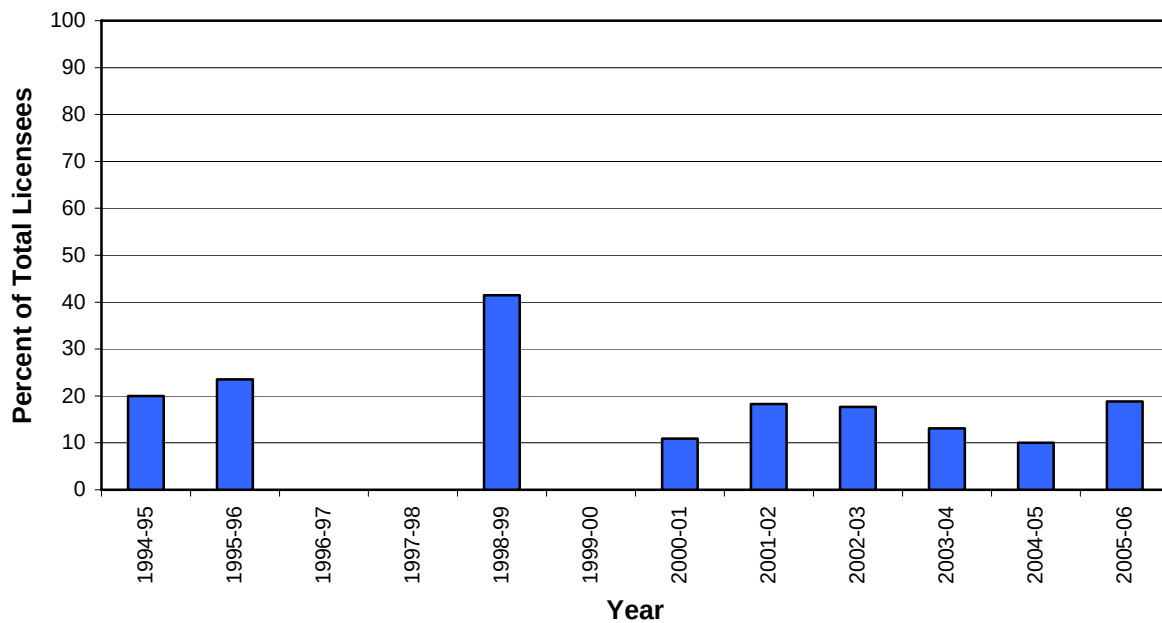


Figure 16. Trends in proportion of licensed non-resident hunters who hunted for duck (1994 to the Present)



***Mississippi Mallard Duck Hunting Effort and Harvest  
Trends for Licensed Resident and Non-resident  
Hunters: 1980 to the Present***

TABLE 3. Mississippi mallard duck hunting effort and harvest trends for licensed resident hunters (1980 to the Present)

|         | Total Harvest | SE of Total Harvest | Average Daily Kill | Average Seasonal Harvest | Percent Successful Hunters |
|---------|---------------|---------------------|--------------------|--------------------------|----------------------------|
| 1980-81 | 344,510       | 21,475              | 0.92               | 7.22                     | 65.3                       |
| 1981-82 | 347,252       | 37,981              | 0.94               | 7.29                     | 63.4                       |
| 1982-83 | 260,836       | 31,020              | 0.89               | 6.48                     | 61.3                       |
| 1983-84 | 457,239       | 49,254              | 1.11               | 9.40                     | 69.2                       |
| 1984-85 | 279,832       | 32,866              | 0.87               | 7.37                     | 63.5                       |
| 1985-86 | 189,241       | 15,957              | 0.76               | 5.48                     | 57.5                       |
| 1986-87 | 164,155       | 20,447              | 0.67               | 4.59                     | 60.6                       |
| 1987-88 | 180,938       | 26,847              | 0.90               | 6.26                     | 64.8                       |
| 1988-89 | -             | -                   | -                  | -                        | -                          |
| 1989-90 | 132,901       | 19,968              | 0.86               | 6.31                     | 63.1                       |
| 1990-91 | 111,434       | 17,739              | 0.76               | 5.31                     | 60.5                       |
| 1991-92 | 69,274        | 10,447              | 0.65               | 4.20                     | 57.1                       |
| 1992-93 | 122,139       | 15,182              | 0.82               | 6.06                     | 65.8                       |
| 1993-94 | 119,217       | 10,928              | 0.89               | 6.07                     | 65.7                       |
| 1994-95 | 221,197       | 21,557              | 1.03               | 8.86                     | 72.8                       |
| 1995-96 | 324,075       | 35,743              | 1.25               | 12.08                    | 75.7                       |
| 1996-97 | 300,248       | 35,522              | 1.25               | 11.38                    | 73.5                       |
| 1997-98 | -             | -                   | -                  | -                        | -                          |
| 1998-99 | 274,742       | 19,086              | 0.93               | 9.27                     | 74.7                       |
| 1999-00 | -             | -                   | -                  | -                        | -                          |
| 2000-01 | 179,025       | 19,371              | 1.01               | 10.56                    | 75.3                       |
| 2001-02 | 222,565       | 26,542              | 0.77               | 8.29                     | 67.6                       |
| 2002-03 | 231,547       | 32,714              | 0.98               | 10.98                    | 70.8                       |
| 2003-04 | 124,373       | 20,833              | 0.63               | 6.94                     | 67.9                       |
| 2004-05 | 201,624       | 37,277              | 0.80               | 9.83                     | 70.1                       |
| 2005-06 | 162,386       | 18,673              | 0.87               | 8.63                     | 63.9                       |

TABLE 4. Mississippi mallard duck hunting effort and harvest trends for licensed non-resident hunters (1994 to the Present)

|         | Total Harvest | SE of Total Harvest | Average Daily Kill | Average Seasonal Harvest | Percent Successful Hunters |
|---------|---------------|---------------------|--------------------|--------------------------|----------------------------|
| 1994-95 | -             | -                   | -                  | -                        | -                          |
| 1995-96 | -             | -                   | -                  | -                        | -                          |
| 1996-97 | -             | -                   | -                  | -                        | -                          |
| 1997-98 | -             | -                   | -                  | -                        | -                          |
| 1998-99 | 70,693        | -                   | 1.39               | 7.97                     | 81.1                       |
| 1999-00 | -             | -                   | -                  | -                        | -                          |
| 2000-01 | 46,846        | 4,166               | 1.29               | 11.82                    | 78.7                       |
| 2001-02 | 66,117        | 5,971               | 1.22               | 8.38                     | 74.9                       |
| 2002-03 | 49,502        | 5,088               | 1.09               | 7.81                     | 78.9                       |
| 2003-04 | 38,732        | 4,265               | 1.14               | 7.92                     | 78.7                       |
| 2004-05 | 42,985        | 4,857               | 1.08               | 11.82                    | 84.5                       |
| 2005-06 | 69,587        | 4,620               | 1.38               | 9.76                     | 84.2                       |

***Mississippi Wood Duck Hunting Effort and Harvest  
Trends for Licensed Resident and Non-resident  
Hunters: 1980 to the Present***

TABLE 5. Mississippi wood duck hunting effort and harvest trends for licensed resident hunters (1980 to the Present)

|         | Total Harvest | SE of Total Harvest | Average Daily Kill | Average Seasonal Harvest | Percent Successful Hunters |
|---------|---------------|---------------------|--------------------|--------------------------|----------------------------|
| 1980-81 | 227,099       | 11,540              | 0.59               | 4.76                     | 67.9                       |
| 1981-82 | -             | -                   | -                  | -                        | -                          |
| 1982-83 | 149,656       | 15,688              | 0.49               | 3.71                     | 63.8                       |
| 1983-84 | 183,608       | 18,308              | 0.44               | 3.77                     | 59.5                       |
| 1984-85 | 180,607       | 18,200              | 0.57               | 4.76                     | 67.7                       |
| 1985-86 | 118,698       | 8,946               | 0.46               | 3.44                     | 58.7                       |
| 1986-87 | 122,396       | 13,271              | 0.48               | 3.42                     | 66.8                       |
| 1987-88 | 95,475        | 11,821              | 0.47               | 3.31                     | 61.8                       |
| 1988-89 | -             | -                   | -                  | -                        | -                          |
| 1989-90 | 85,932        | 13,961              | 0.55               | 4.08                     | 68.2                       |
| 1990-91 | 77,484        | 8,866               | 0.51               | 3.70                     | 68.1                       |
| 1991-92 | 55,118        | 7,086               | 0.51               | 3.28                     | 65.9                       |
| 1992-93 | 63,502        | 7,543               | 0.40               | 3.15                     | 61.8                       |
| 1993-94 | 68,143        | 5,823               | 0.51               | 3.47                     | 60.2                       |
| 1994-95 | 103,302       | 10,260              | 0.47               | 4.09                     | 63.3                       |
| 1995-96 | 104,259       | 10,486              | 0.40               | 3.90                     | 63.4                       |
| 1996-97 | 87,703        | 9,038               | 0.40               | 3.32                     | 56.8                       |
| 1997-98 | -             | -                   | -                  | -                        | -                          |
| 1998-99 | 104,079       | 10,997              | 0.36               | 3.51                     | 55.7                       |
| 1999-00 | -             | -                   | -                  | -                        | -                          |
| 2000-01 | 55,689        | 7,204               | 0.31               | 3.26                     | 58.3                       |
| 2001-02 | 96,145        | 9,869               | 0.34               | 3.60                     | 60.3                       |
| 2002-03 | 98,146        | 12,405              | 0.39               | 4.40                     | 59.5                       |
| 2003-04 | 87,118        | 15,971              | 0.47               | 5.16                     | 65.1                       |
| 2004-05 | 93,330        | 16,449              | 0.35               | 4.29                     | 58.6                       |
| 2005-06 | 69,902        | 7,869               | 0.39               | 3.82                     | 63.9                       |



TABLE 6. Mississippi wood duck hunting effort and harvest trends for licensed non-resident hunters (1994 to the Present)

|         | Total Harvest | SE of Total Harvest | Average Daily Kill | Average Seasonal Harvest | Percent Successful Hunters |
|---------|---------------|---------------------|--------------------|--------------------------|----------------------------|
| 1994-95 | -             | -                   | -                  | -                        | -                          |
| 1995-96 | -             | -                   | -                  | -                        | -                          |
| 1996-97 | -             | -                   | -                  | -                        | -                          |
| 1997-98 | -             | -                   | -                  | -                        | -                          |
| 1998-99 | 13,159        | -                   | 0.29               | 1.52                     | 52.8                       |
| 1999-00 | -             | -                   | -                  | -                        | -                          |
| 2000-01 | 10,962        | 1,151               | 0.30               | 2.73                     | 53.3                       |
| 2001-02 | 13,119        | 1,214               | 0.25               | 1.68                     | 38.6                       |
| 2002-03 | 15,807        | 1,988               | 0.32               | 2.32                     | 48.1                       |
| 2003-04 | 12,257        | 1,533               | 0.34               | 2.34                     | 46.7                       |
| 2004-05 | 8,716         | 1,262               | 0.21               | 2.28                     | 48.0                       |
| 2005-06 | 15,077        | 1,242               | 0.30               | 2.11                     | 46.0                       |

***Mississippi Other Duck Hunting Effort and Harvest  
Trends for Licensed Resident and Non-resident  
Hunters: 1980 to the Present***

TABLE 7. Mississippi other duck hunting effort and harvest trends for licensed resident hunters (1980 to the Present)

|         | Total Harvest | SE of Total Harvest | Average Daily Kill | Average Seasonal Harvest | Percent of Successful Hunters |
|---------|---------------|---------------------|--------------------|--------------------------|-------------------------------|
| 1980-81 | 135,507       | 13,283              | 0.36               | 2.84                     | 31.9                          |
| 1981-82 | -             | -                   | -                  | -                        | -                             |
| 1982-83 | 93,861        | 14,670              | 0.31               | 2.33                     | 34.1                          |
| 1983-84 | 220,685       | 36,118              | 0.53               | 4.54                     | 39.0                          |
| 1984-85 | 109,504       | 13,530              | 0.35               | 2.89                     | 36.8                          |
| 1985-86 | 106,028       | 11,155              | 0.44               | 3.07                     | 32.1                          |
| 1986-87 | 92,110        | 14,251              | 0.37               | 2.57                     | 34.3                          |
| 1987-88 | 72,736        | 12,669              | 0.36               | 2.53                     | 40.2                          |
| 1988-89 | -             | -                   | -                  | -                        | -                             |
| 1989-90 | 45,101        | 7,514               | 0.31               | 2.15                     | 37.6                          |
| 1990-91 | 42,294        | 6,895               | 0.28               | 2.01                     | 37.8                          |
| 1991-92 | 36,359        | 6,883               | 0.31               | 2.19                     | 33.2                          |
| 1992-93 | 56,780        | 8,584               | 0.36               | 2.81                     | 41.7                          |
| 1993-94 | 36,337        | 4,278               | 0.28               | 1.86                     | 33.6                          |
| 1994-95 | 91,545        | 10,598              | 0.43               | 3.64                     | 43.3                          |
| 1995-96 | 137,169       | 19,746              | 0.53               | 5.10                     | 47.6                          |
| 1996-97 | 142,272       | 19,314              | 0.53               | 5.39                     | 50.3                          |
| 1997-98 | -             | -                   | -                  | -                        | -                             |
| 1998-99 | 173,494       | 14,564              | 0.59               | 5.83                     | 57.5                          |
| 1999-00 | -             | -                   | -                  | -                        | -                             |
| 2000-01 | 103,515       | 13,203              | 0.61               | 6.36                     | 53.8                          |
| 2001-02 | 124,292       | 16,373              | 0.44               | 4.73                     | 51.0                          |
| 2002-03 | 153,417       | 21,943              | 0.68               | 7.64                     | 58.3                          |
| 2003-04 | 82,585        | 14,732              | 0.45               | 4.97                     | 56.9                          |
| 2004-05 | 133,104       | 27,116              | 0.55               | 6.78                     | 54.0                          |
| 2005-06 | 115,579       | 15,494              | 0.64               | 6.31                     | 60.0                          |

TABLE 8. Mississippi other duck hunting effort and harvest trends for licensed non-resident hunters (1994 to the Present)

|         | Total Harvest | SE of Total Harvest | Average Daily Kill | Average Seasonal Harvest | Percent Successful Hunters |
|---------|---------------|---------------------|--------------------|--------------------------|----------------------------|
| 1994-95 | -             | -                   | -                  | -                        | -                          |
| 1995-96 | -             | -                   | -                  | -                        | -                          |
| 1996-97 | -             | -                   | -                  | -                        | -                          |
| 1997-98 | -             | -                   | -                  | -                        | -                          |
| 1998-99 | 47,665        | -                   | 0.93               | 5.14                     | 66.0                       |
| 1999-00 | -             | -                   | -                  | -                        | -                          |
| 2000-01 | 27,013        | 2,576               | 0.76               | 6.94                     | 65.7                       |
| 2001-02 | 41,435        | 3,502               | 0.79               | 5.44                     | 64.2                       |
| 2002-03 | 37,952        | 4,012               | 0.84               | 6.00                     | 70.9                       |
| 2003-04 | 28,453        | 3,015               | 0.90               | 6.28                     | 69.7                       |
| 2004-05 | 38,902        | 5,179               | 0.98               | 10.75                    | 72.3                       |
| 2005-06 | 46,719        | 3,306               | 0.94               | 6.65                     | 73.5                       |

***Mississippi Goose Hunting Effort and Harvest Trends  
for Licensed Resident and Non-resident Hunters:  
1980 to the Present***

TABLE 9. Mississippi goose hunting effort and harvest trends for licensed resident hunters (1980 to the Present)

|         | Total Harvest | SE of Total Harvest | Average Daily Kill | Average Seasonal Harvest | Percent Successful Hunters | Total Man Days | Average Seasonal Days Hunting | Total Hunters | Percent of Total Licensees (A) |
|---------|---------------|---------------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|--------------------------------|
| 1980-81 | 2,237         | 557                 | 0.37               | 1.16                     | 51.1                       | 5,379          | 2.91                          | 1,936         | 0.8                            |
| 1981-82 | 1,090         | 544                 | 0.16               | 0.57                     | 35.7                       | 6,813          | 3.85                          | 1,907         | 0.8                            |
| 1982-83 | 1,498         | 865                 | 0.20               | 0.92                     | 38.5                       | 7,499          | 5.45                          | 1,623         | 0.6                            |
| 1983-84 | 2,520         | 768                 | 0.31               | 0.74                     | 56.5                       | 8,004          | 2.35                          | 3,555         | 1.4                            |
| 1984-85 | 3,407         | 1,200               | 0.15               | 1.50                     | 60.0                       | 14,896         | 7.71                          | 2,271         | 0.9                            |
| 1985-86 | 2,775         | 786                 | 0.16               | 0.96                     | 45.3                       | 14,650         | 5.49                          | 2,938         | 1.2                            |
| 1986-87 | 3,790         | 1,677               | 0.26               | 2.64                     | 72.7                       | 9,682          | 8.22                          | 1,438         | 0.6                            |
| 1987-88 | 1,161         | 542                 | 0.09               | 0.62                     | 38.5                       | 13,502         | 7.75                          | 1,886         | 0.7                            |
| 1988-89 | -             | -                   | -                  | -                        | -                          | -              | -                             | -             | -                              |
| 1989-90 | 1,736         | 766                 | 0.22               | 1.00                     | 57.1                       | 7,343          | 4.23                          | 22,667        | 9.9                            |
| 1990-91 | 2,280         | 867                 | 0.46               | 1.33                     | 73.3                       | 4,224          | 3.08                          | 7,122         | 3.1                            |
| 1991-92 | 4,004         | 1,522               | 0.64               | 2.94                     | 88.2                       | 6,089          | 4.75                          | 1,361         | 0.6                            |
| 1992-93 | 2,653         | 1,442               | 0.68               | 1.88                     | 62.5                       | 3,893          | 2.93                          | 1,415         | 0.6                            |
| 1993-94 | 4,240         | 1,078               | 0.40               | 1.89                     | 57.4                       | 10,109         | 4.86                          | 2,245         | 1.0                            |
| 1994-95 | 2,568         | 699                 | 0.20               | 1.17                     | 65.5                       | 10,969         | 5.80                          | 2,191         | 1.0                            |
| 1995-96 | 15,302        | 4,144               | 0.67               | 4.26                     | 79.5                       | 22,051         | 6.46                          | 3,595         | 1.7                            |
| 1996-97 | 15,075        | 4,161               | 0.67               | 3.76                     | 72.5                       | 19,659         | 6.46                          | 4,004         | 1.9                            |
| 1997-98 | 10,564        | 2,531               | 0.55               | 2.26                     | 68.5                       | 19,058         | 4.15                          | 4,676         | 2.3                            |
| 1998-99 | 21,072        | 4,789               | 0.77               | 3.88                     | 75.2                       | 26,950         | 5.38                          | 5,515         | 2.7                            |
| 1999-00 | -             | -                   | -                  | -                        | -                          | -              | -                             | -             | -                              |
| 2000-01 | 20,971        | 5,581               | 1.23               | 8.16                     | 81.6                       | 16,176         | 6.66                          | 2,430         | 1.2                            |
| 2001-02 | 11,414        | 2,990               | 0.90               | 3.55                     | 80.6                       | 11,800         | 3.94                          | 2,998         | 1.5                            |
| 2002-03 | 33,436        | 11,690              | 1.13               | 10.65                    | 91.3                       | 24,565         | 9.39                          | 2,616         | 1.4                            |
| 2003-04 | 38,672        | 16,709              | 0.94               | 9.57                     | 69.6                       | 33,147         | 10.17                         | 3,259         | 1.7                            |
| 2004-05 | 14,768        | 4,650               | 0.18               | 2.86                     | 64.3                       | 43,712         | 15.86                         | 2,757         | 1.5                            |
| 2005-06 | 16,013        | 4,404               | 0.83               | 6.04                     | 90.0                       | 17,142         | 7.26                          | 2,361         | 1.3                            |

(A) Calculated as a percent of small game license holders only

Figure 17. Trends in total harvest of geese for licensed resident hunters (1980 to the Present)

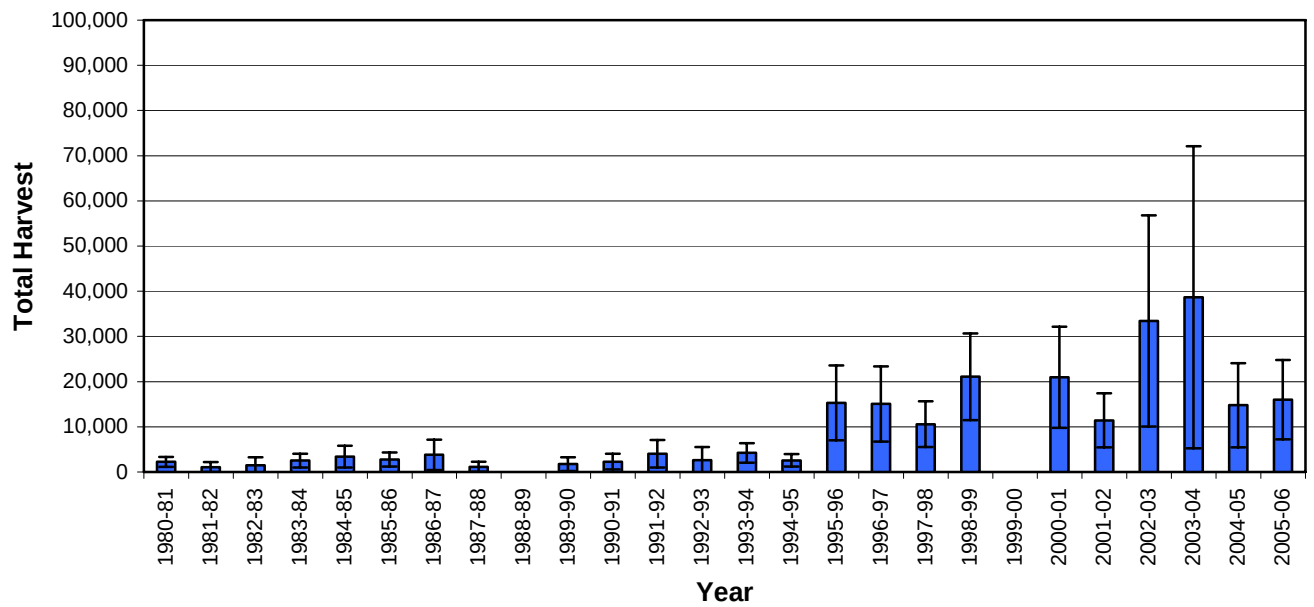


Figure 18. Trends in average daily kill of geese for licensed resident hunters (1980 to the Present)

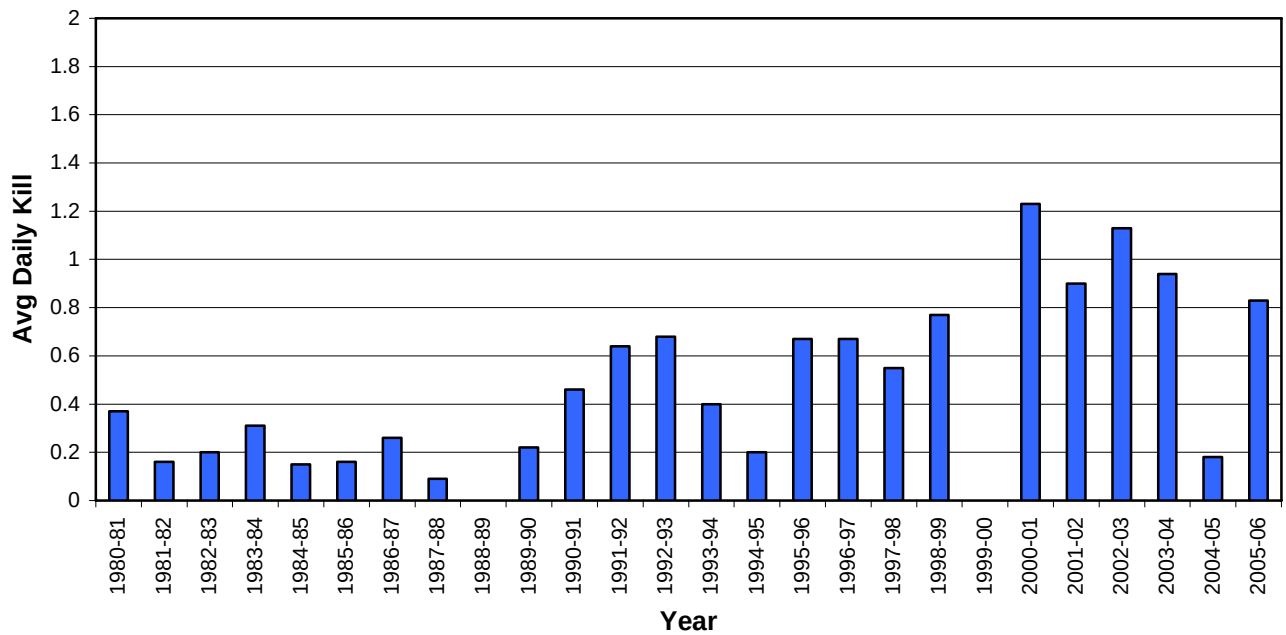


Figure 19. Trends in average seasonal harvest of geese for licensed resident hunters (1980 to the Present)

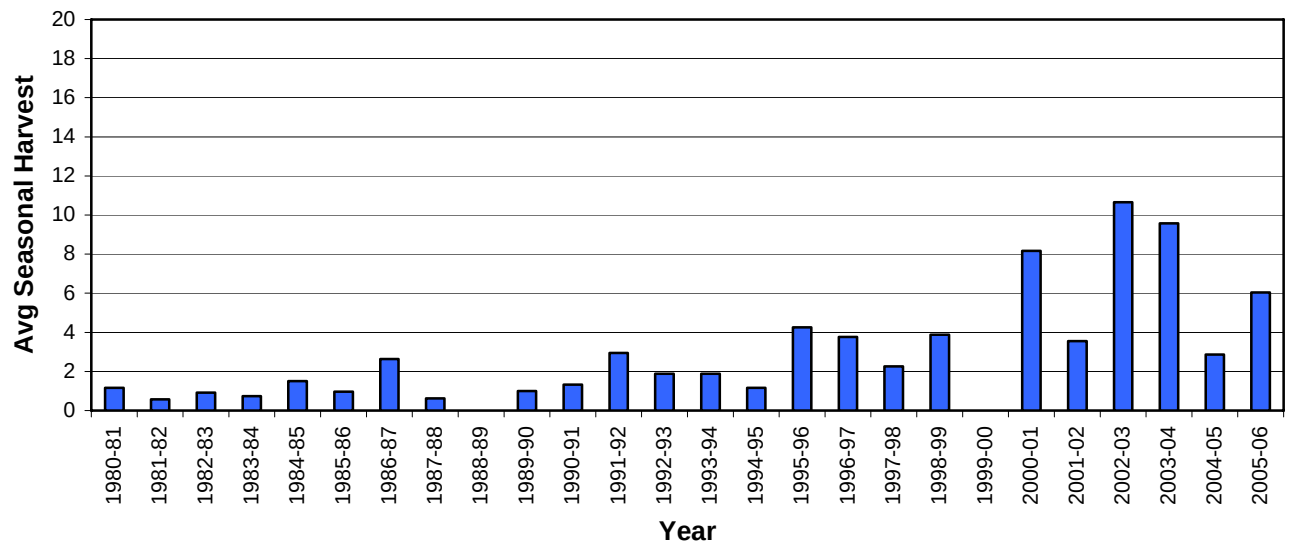


Figure 20. Trends in percent successful geese hunters for licensed resident hunters (1980 to the Present)

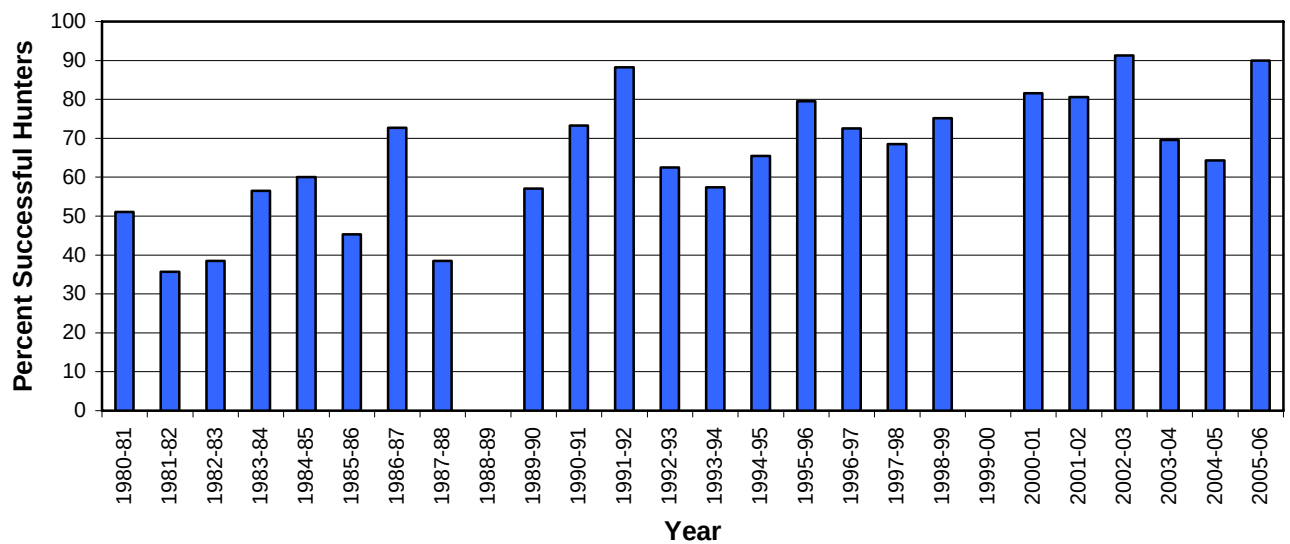




Figure 21. Trends in total man days in geese hunting for licensed resident hunters (1980 to the Present)

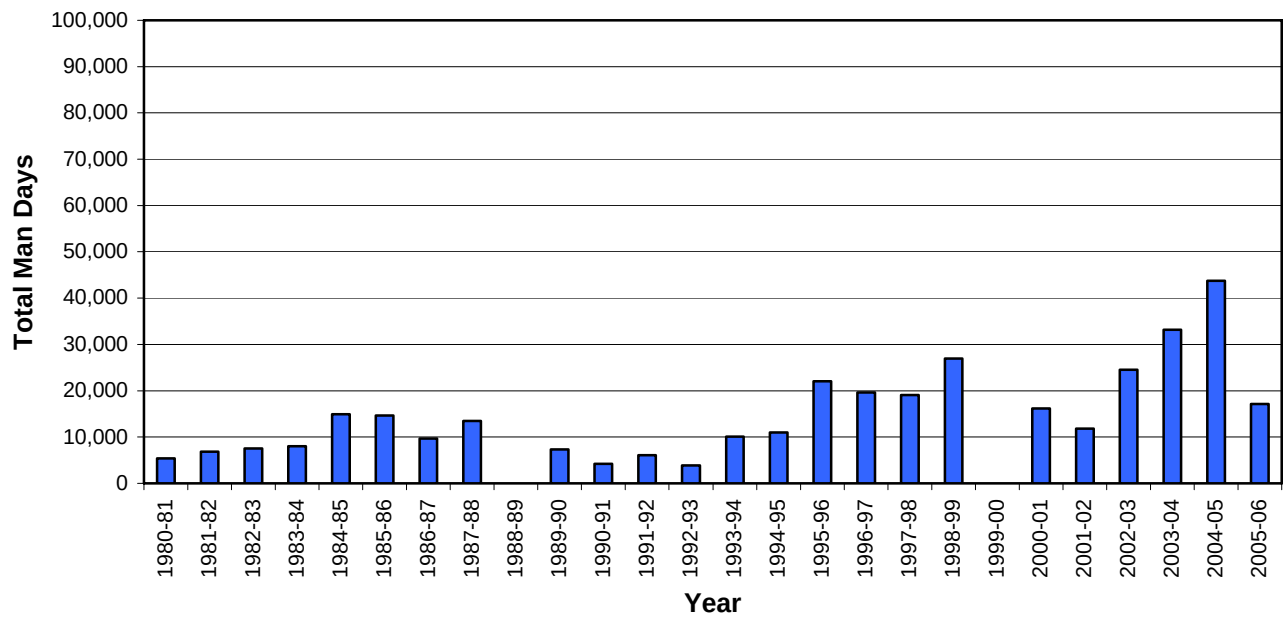


Figure 22. Trends in average seasonal days geese hunting for licensed resident hunters (1980 to the Present)

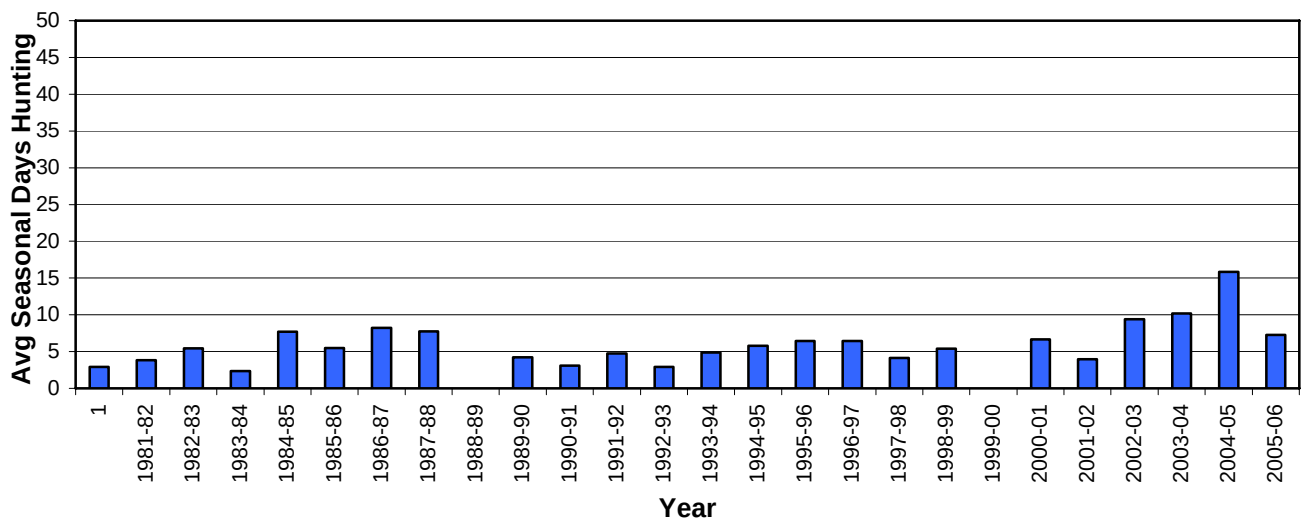


Figure 23. Trends in total geese hunters for licensed resident hunters (1980 to the Present)

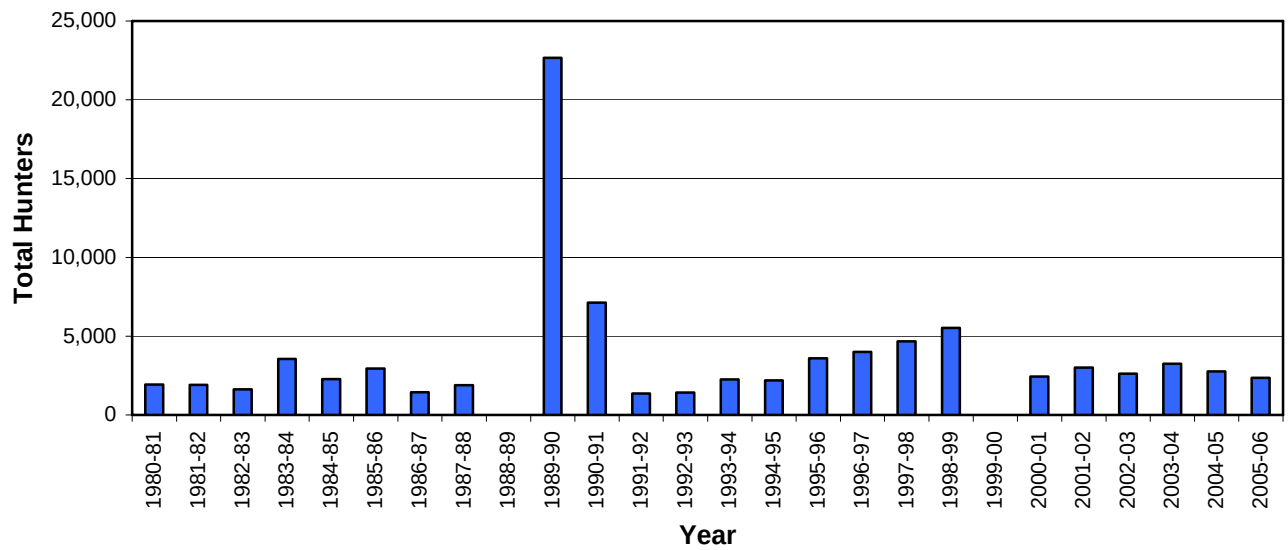


Figure 24. Trends in proportion of licensed resident hunters who hunted for geese (1980 to the Present)

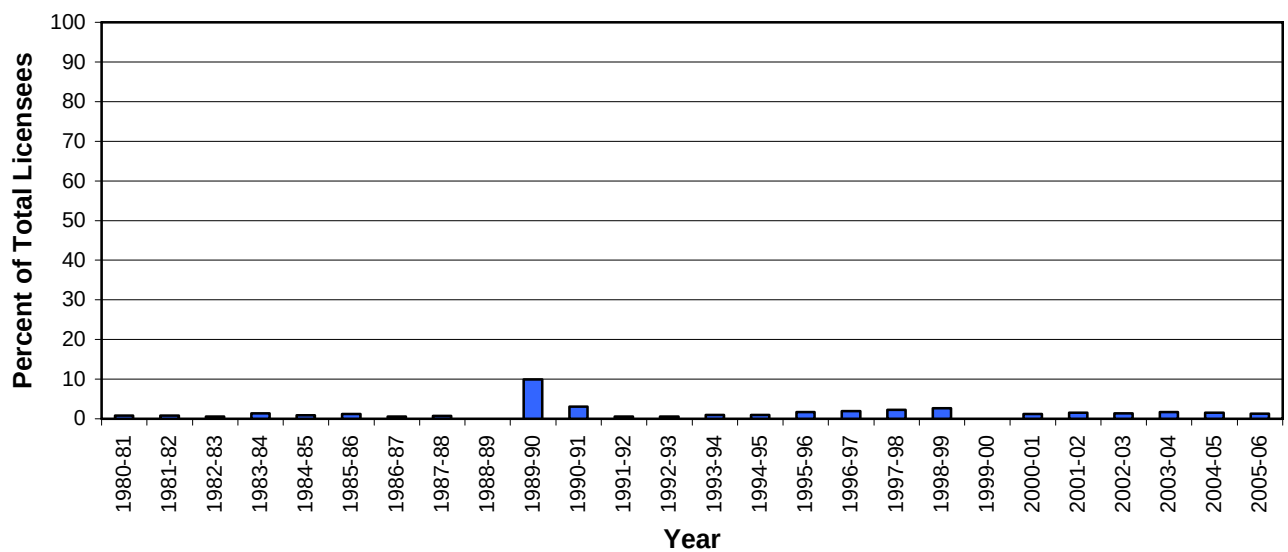


TABLE 10. Mississippi goose hunting effort and harvest trends for licensed non-resident hunters (1994 to the Present)

|         | Total<br>Harvest | SE of<br>Total<br>Harvest | Average<br>Daily<br>Kill | Average<br>Seasonal<br>Harvest | Percent<br>Successful<br>Hunters | Total<br>Man<br>Days | Average<br>Seasonal<br>Days<br>Hunting | Total<br>Hunters | Percent of<br>Total<br>Licensees<br>(A) |
|---------|------------------|---------------------------|--------------------------|--------------------------------|----------------------------------|----------------------|----------------------------------------|------------------|-----------------------------------------|
| 1994-95 | 481              | -                         | 0.67                     | 2.99                           | 80.0                             | 675                  | 4.64                                   | 165              | 1.7                                     |
| 1995-96 | 1,536            | -                         | 3.03                     | 10.73                          | 55.3                             | 2,076                | 5.65                                   | 321              | 2.9                                     |
| 1996-97 | -                | -                         | -                        | -                              | -                                | -                    | -                                      | -                | -                                       |
| 1997-98 | 1,102            | -                         | 0.60                     | 2.54                           | 83.3                             | 1,832                | 4.60                                   | 437              | 2.9                                     |
| 1998-99 | 4,182            | -                         | 0.73                     | 3.43                           | 79.0                             | 6,947                | 4.94                                   | 1,314            | 3.1                                     |
| 1999-00 | -                | -                         | -                        | -                              | -                                | -                    | -                                      | -                | -                                       |
| 2000-01 | 3,407            | 1,706                     | 0.51                     | 3.88                           | 72.5                             | 3,330                | 7.53                                   | 442              | 1.3                                     |
| 2001-02 | 4,488            | 1,003                     | 0.57                     | 3.24                           | 69.8                             | 5,370                | 5.70                                   | 942              | 2.6                                     |
| 2002-03 | 4,038            | 1,012                     | 0.69                     | 3.81                           | 69.2                             | 3,524                | 5.54                                   | 636              | 1.9                                     |
| 2003-04 | 2,992            | 696                       | 1.01                     | 4.25                           | 75.0                             | 2,282                | 4.22                                   | 541              | 1.7                                     |
| 2004-05 | 2,846            | 764                       | 0.33                     | 3.62                           | 93.1                             | 7,039                | 11.00                                  | 640              | 2.0                                     |
| 2005-06 | 6,842            | 1,090                     | 0.68                     | 4.39                           | 81.2                             | 7,016                | 6.42                                   | 1,093            | 3.5                                     |

(A) Calculated as a percent of small game license holders only

Figure 25. Trends in total harvest of geese for licensed non-resident hunters (1994 to the Present)

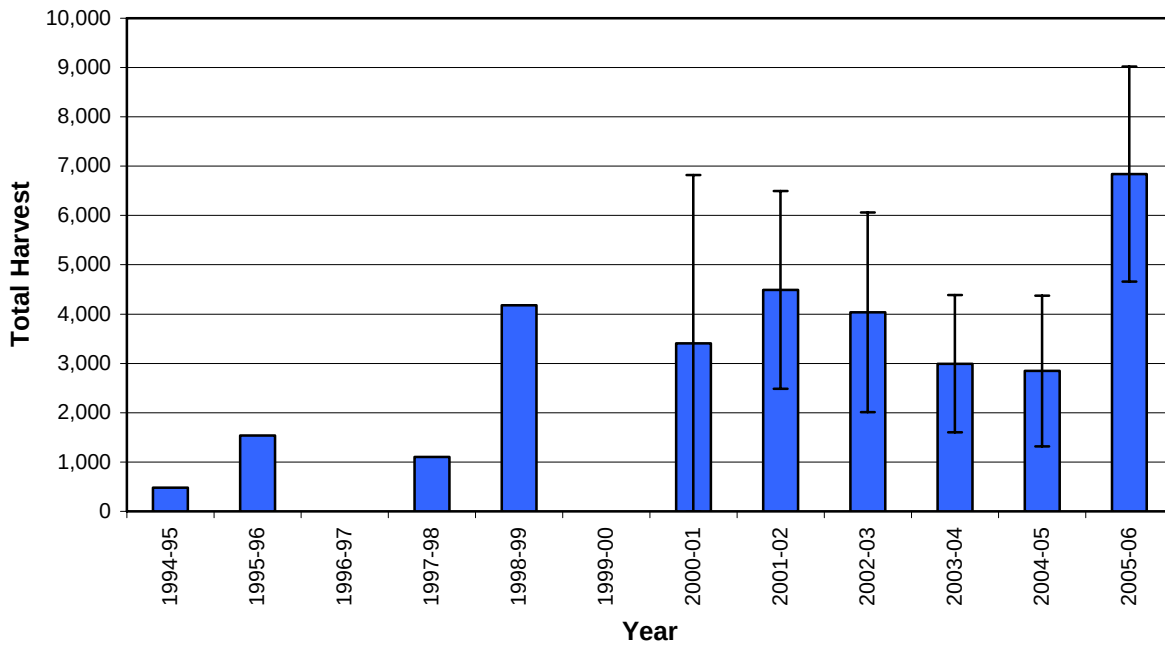


Figure 26. Trends in average daily kill of geese for licensed non-resident hunters (1994 to the Present)

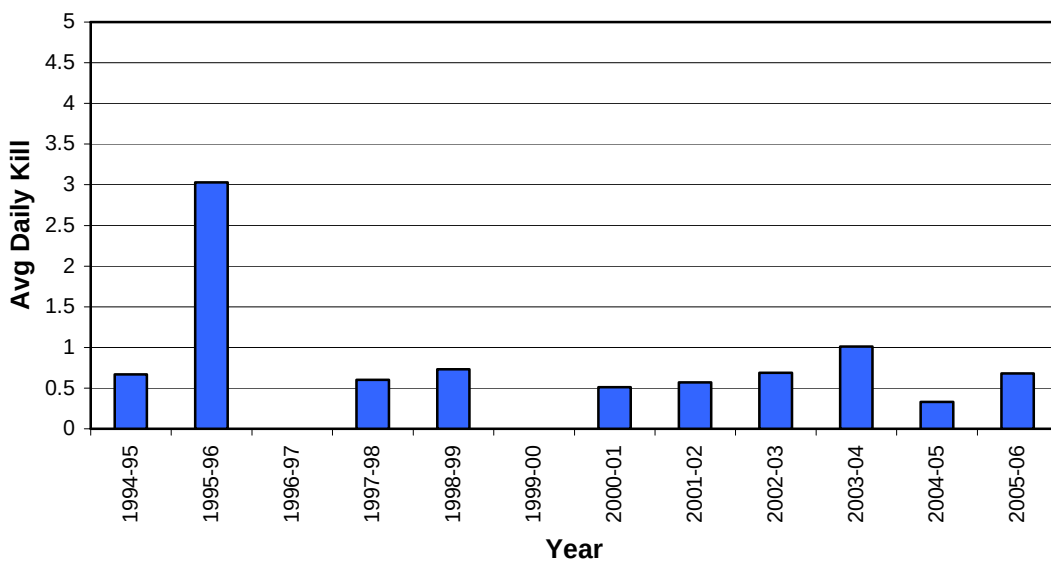


Figure 27. Trends in average seasonal harvest of geese for licensed non-resident hunters (1994 to the Present)

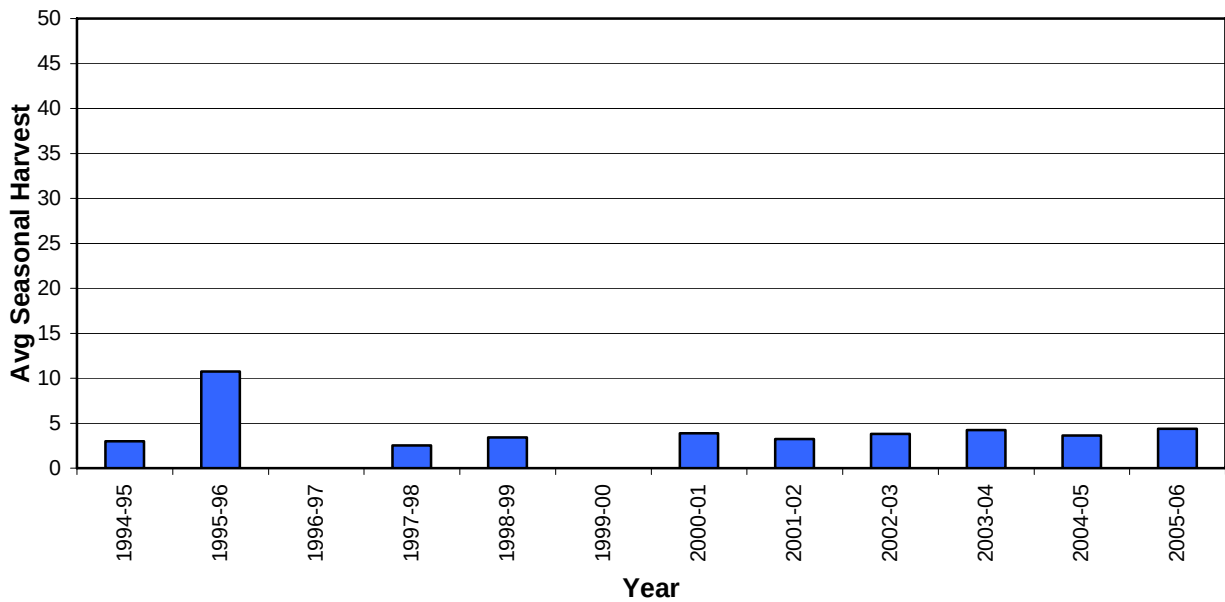


Figure 28. Trends in percent successful geese hunters for licensed non-resident hunters (1994 to the Present)

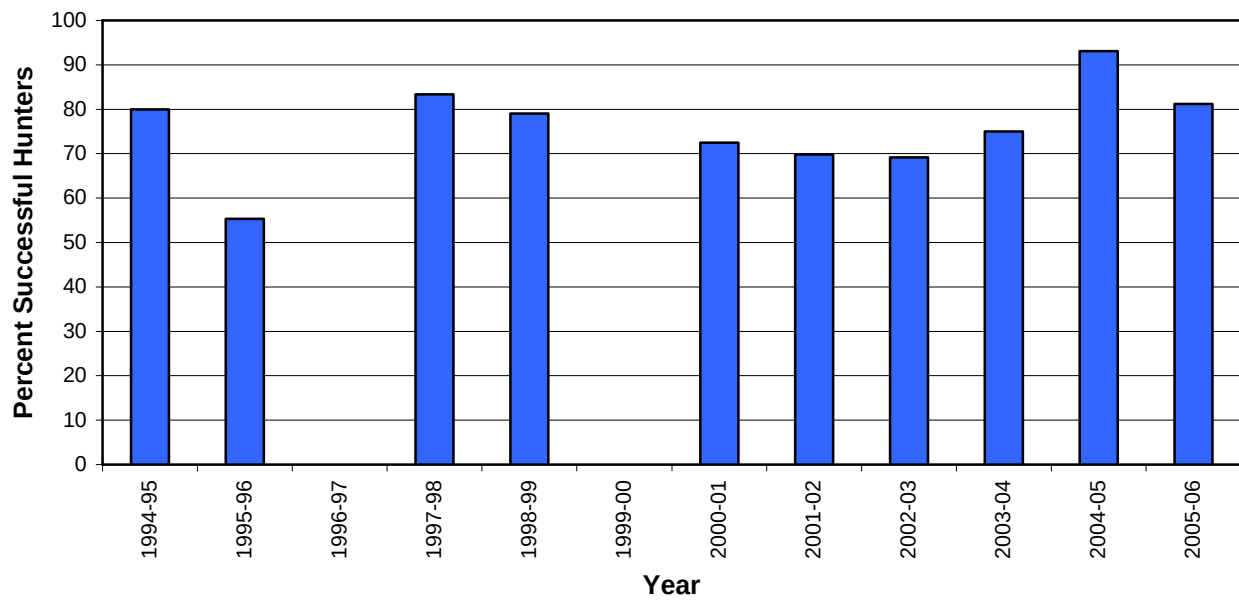


Figure 29. Trends in total man days in geese hunting for licensed non-resident hunters (1980 to the Present)

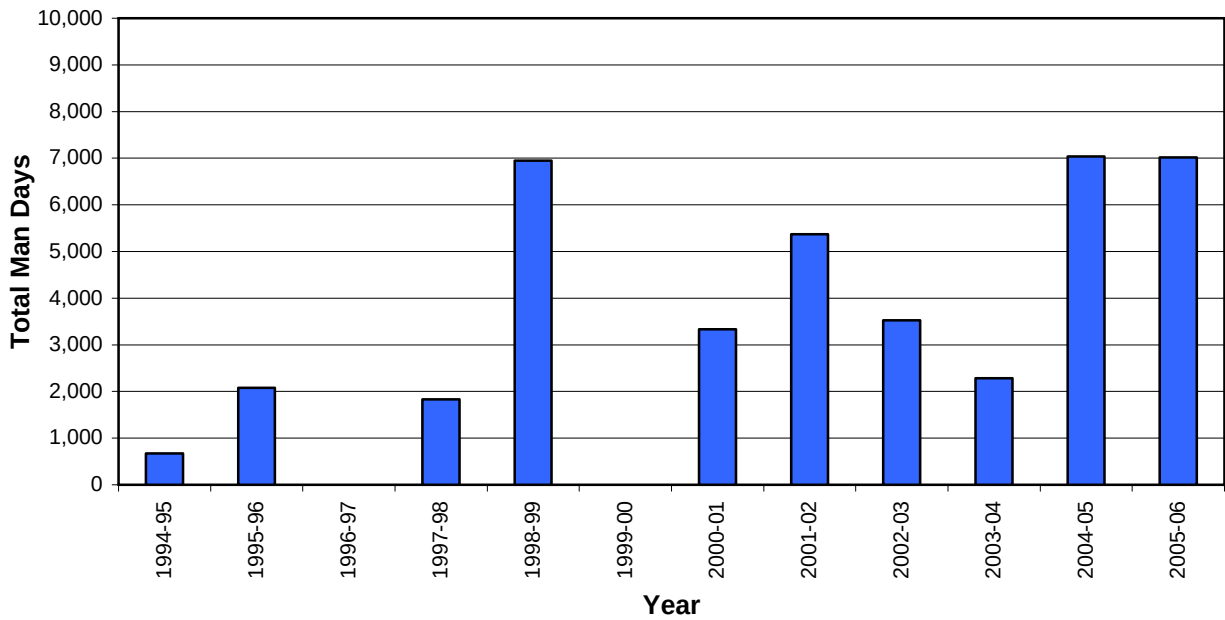


Figure 30. Trends in average seasonal days geese hunting for licensed non-resident hunters (1994 to the Present)

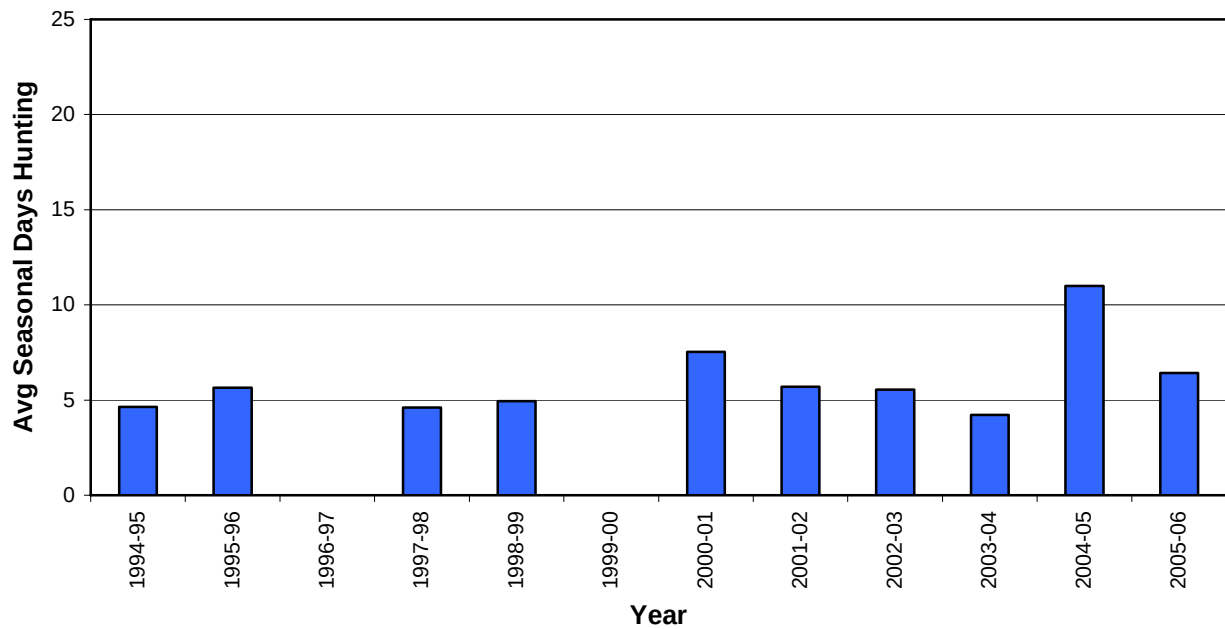


Figure 31. Trends in total geese hunters for licensed non-resident hunters (1994 to the Present)

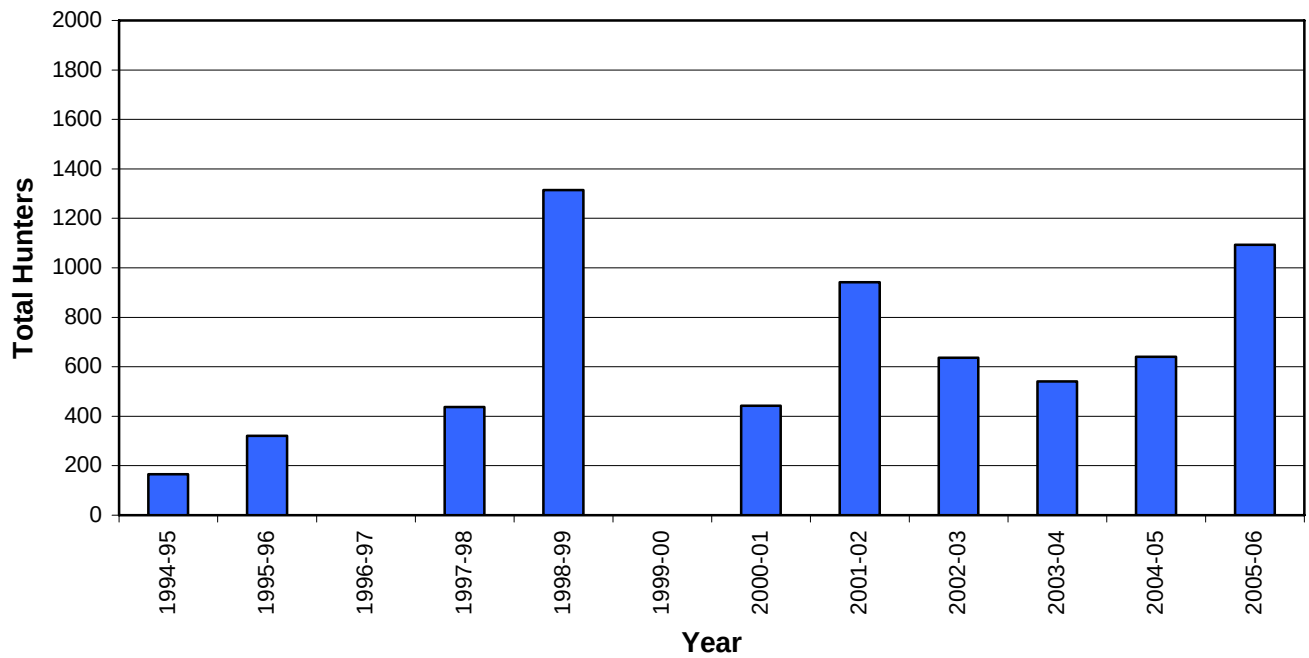


Figure 32. Trends in proportion of licensed non-resident hunters who hunted for geese (1994 to the Present)

