

HUNTING HARVEST STATISTICS

Division of Fish and Wildlife
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2009 SMALL GAME HUNTER MAIL SURVEY

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INTRODUCTION

The Minnesota Department of Natural Resources, Division of Fish and Wildlife, Wildlife Research unit annually conducts a survey of small game hunters. Annual harvest estimates from survey data provide guidance for future hunting regulations and season structure.

METHODS

The Wildlife Research unit requested a random sample be drawn from the Electronic License System database in late February, 2010 to ensure that each license holder had an equal chance of being in the survey sample. The sample consisted of 5,999 (approximately 2%) Small Game License holders, drawn proportionately from each of the nine Small Game license types available: Resident Senior Citizen, Resident Youth Small Game, Resident (Adult) Small Game, Resident Individual sports, Resident Combination Sports, Resident Lifetime Small Game, Resident Lifetime sports, Nonresident Youth, and Nonresident (Adult) Small Game.

Hunters that returned the survey questionnaire within three weeks were marked returned and eliminated from follow-up mailings. Follow-up mailings were sent to non-respondents at three week intervals. There were three follow-up mailings to non-respondents.

Completed and returned questionnaires were checked for completeness, consistency, and biological practicability. Cards were marked with numeric county codes corresponding to the hunter's written information. Data from each usable card was converted to an electronic database. Data were checked for errors, duplicate responses, and /or missing data. The following is a list of assumptions made in data coding:

- 1) If an individual checked the box indicating (s)he did not hunt, but harvest information was provided, it was assumed that the individual did hunt.
- 2) If a range was given for "number of days hunted" or "number of animals harvested", the median of the range, rounded to the nearest even integer was recorded.
- 3) If a hunter indicated spending time hunting for a species, but left "number bagged" blank, the # bagged was entered as missing data.
- 4) If a small game hunter indicated bagging a species, but left "number of days hunted" blank, then "number of days hunted" was recorded as missing data.
- 5) If more than one county was indicated for "county hunted in most", the first county listed was recorded. However, if the several counties listed were indicated to apply to all species hunted, then counties were recorded in sequential order in relation to species hunted.
- 6) If "county hunted in most" was left unanswered or not legible, the county was recorded as missing data.

Data from all usable cards were tabulated and statistically analyzed by the St. Paul staff, using SAS statistical analysis software programs.

RESULTS

Estimated number of hunters increased slightly for crow, spruce grouse and red fox (Table 3). Number of hunters declined for duck, Canada goose, mourning dove, pheasant, sharp-tailed grouse, cottontails, and snowshoe hare (Table 3). There was very little change in estimated take per hunter (Table 4) or mean harvest and hunter success rates (Table 5). Total estimated harvests (Table 6) increased for crow, woodcock, ruffed grouse, spruce grouse, fox squirrel, and red fox. Estimated harvests declined for ducks, geese, coot, snipe, mourning dove, pheasant, sharp-tailed grouse, gray partridge, gray squirrel, cottontail, jack rabbit, snowshoe hare and raccoon. Estimated harvest for gray fox and coyote stayed the same as for the previous year. Note that all estimates were based on a survey of approximately 2% of all small game license holders. Data in this report may change as a result of future verification and more comprehensive analysis.

Attached are survey results. All estimates were statewide unless otherwise indicated. Tables 1-7 are historic tables of small game harvest for the previous 10 years and tables 8-12 are for the 2009-10 hunting season.

Table 1. Small game hunter response to mail surveys, 1979 - 80 through 2009 - 10.

| Year | Number mailed | Number not delivered | Delivered questionnaires completed and returned | |
|------------------------|---------------|----------------------|---|---------|
| | | | Number | Percent |
| 1979 - 80 | 5,696 | 443 | 4,504 | 85.7 |
| 1980 - 81 | 6,434 | 385 | 4,963 | 82.0 |
| 1981 - 82 | 6,656 | 399 | 5,419 | 86.6 |
| 1982 - 83 | 5,963 | 266 | 4,792 | 84.1 |
| 1983 - 84 | 4,551 | 269 | 3,325 | 77.7 |
| 1984 - 85 | 4,096 | 127 | 3,280 | 82.6 |
| 1985 - 86 | 3,370 | 157 | 2,574 | 80.1 |
| 1986 - 87 | 4,668 | 208 | 3,623 | 81.2 |
| 1987 - 88 | 5,513 | 248 | 4,191 | 79.6 |
| 1988 - 89 | 15,388 | 857 | 11,431 | 78.7 |
| 1989 - 90 ^a | 10,893 | 735 | 7,790 | 76.7 |
| 1990 - 91 ^a | 5,000 | 394 | 3,467 | 75.3 |
| 1991 - 92 ^a | 5,050 | 387 | 3,541 | 75.9 |
| 1992 - 93 ^a | 5,000 | 288 | 3,625 | 76.9 |
| 1993 - 94 ^a | 5,011 | 282 | 3,320 | 70.2 |
| 1994 - 95 ^a | 5,000 | 387 | 3,353 | 72.7 |
| 1995 - 96 ^a | 5,000 | 321 | 3,293 | 70.4 |
| 1996 - 97 ^a | 5,000 | 170 | 3,334 | 69.0 |
| 1997 - 98 ^a | 5,000 | 198 | 3,234 | 67.3 |
| 1998 - 99 ^a | 5,000 | 200 | 3,153 | 65.7 |
| 1999 - 00 ^a | 5,001 | 180 | 3,349 | 69.5 |
| 2000 - 01 ^a | 5,000 | 184 | 3,001 | 62.3 |
| 2001 - 02 ^a | 6,000 | 225 | 3,667 | 64.0 |
| 2002 - 03 ^a | 6,000 | 363 | 3,862 | 68.5 |
| 2003 - 04 ^a | 6,400 | 381 | 3,972 | 66.0 |
| 2004 - 05 ^a | 6,000 | 356 | 3,823 | 68.0 |
| 2005 - 06 ^a | 6,280 | 142 | 3,946 | 64.3 |
| 2006 - 07 ^a | 6,000 | 151 | 3,810 | 65.1 |
| 2007 - 08 ^a | 6,000 | 113 | 3,736 | 65.5 |
| 2008 - 09 ^a | 5,996 | 183 | 3,551 | 61.1 |
| 2009 - 10 ^a | 5,999 | 88 | 3,828 | 63.8 |

^a Includes resident and non-resident licenses, and excludes duplicate licenses.

Table 2. Use of small game hunter licenses, 1999-00 through 2009-2010.

| | | Returns from mail survey | Projections from license sales |
|---------|--------------|-----------------------------|-----------------------------------|
| 1999-00 | Hunted | 2,689 (80.7%) | 264,237 |
| | Did not hunt | <u>644 (19.3%)</u> | <u>63,194</u> |
| | | 3,333 (100.0%) | 327,431 |
| 2000-01 | Hunted | 2,254 (78.7%) | 252,518 |
| | Did not hunt | <u>610 (21.3%)</u> | <u>68,344</u> |
| | | 2,864 (100.0%) | 320,862 |
| 2001-02 | Hunted | 2,849 (77.7%) | 231,589 |
| | Did not hunt | <u>610 (21.3%)</u> | <u>66,466</u> |
| | | 3,665 (100.0%) | 298,055 |
| 2002-03 | Hunted | 2,962 (76.7%) | 221,455 |
| | Did not hunt | <u>900 (23.3%)</u> | <u>67,274</u> |
| | | 3,862 (100.0%) | 288,729 |
| 2003-04 | Hunted | 3,085 (78.2%) | 232,206 |
| | Did not hunt | <u>862 (21.8%)</u> | <u>64,733</u> |
| | | 3,947 (100.0%) | 296,939 |
| 2004-05 | Hunted | 2,934 (77.6%) | 223,275 |
| | Did not hunt | <u>847 (22.4%)</u> | <u>64,450</u> |
| | | 3,781 (100.0%) | 287,725 |
| 2005-06 | Hunted | 3,035 (77.1%) | 216,000 |
| | Did not hunt | <u>900 (22.9%)</u> | <u>64,156</u> |
| | | 3,935 (100.0%) | 280,156 |
| 2006-07 | Hunted | 2,994 (79.0%) | 233,759 |
| | Did not hunt | <u>795 (21.0%)</u> | <u>62,139</u> |
| | | 3,789 (100.0%) | 295,898 |
| 2007-08 | Hunted | 2,894 (77.9%) | 232,505 |
| | Did not hunt | <u>822 (22.1%)</u> | <u>65,961</u> |
| | | 3,716 (100.0%) | 298,467 |
| 2008-09 | Hunted | 2,678 (75.4%) | 218,753 |
| | Did not hunt | <u>873 (24.6%)</u> | <u>71,311</u> |
| | | 3,551 (100.0%) | 290,064 |
| 2009-10 | Hunted | 2,850 (75.0%) | 212,126 |
| | Did not hunt | <u>952 (25.0%)</u> | <u>70,857</u> |
| | | 3,802 (100.0%) | 282,983 |

Includes resident and non-resident information. Excludes duplicates.



0001

2009 Small Game Hunter Report

1. Did you hunt small game, listed below, in Minnesota this year (March 2009 - Feb 2010)? No Yes (Please check box)
2. Indicate the **total number of days** spent hunting small game of all species listed below, in Minnesota. _____
3. For the species you hunted indicate your harvest, number of days hunted, and county in which you hunted most for each species, even if **None** were bagged. Report only game **you personally** bagged and retrieved in Minnesota. **Do not** include birds taken on shooting preserves or game farms.

| | Number You bagged | Days Hunted | County |
|----------------------------------|----------------------|----------------|--------|
| Ducks (all species) | 01 | _____ | _____ |
| Coots (mud hens) | 50 | _____ | _____ |
| Canada geese | 40 | _____ | _____ |
| Other geese | 41 | _____ | _____ |
| Snipe (jacksnipe) | 51 | _____ | _____ |
| Rails and gallinules | 52 | _____ | _____ |
| Crows | 53 | _____ | _____ |
| Woodcock | 60 | _____ | _____ |
| Mourning Dove | 65 | _____ | _____ |
| Pheasants | 70 | _____ | _____ |
| Ruffed grouse (Forest partridge) | 71 | _____ | _____ |
| Spruce grouse | 72 | _____ | _____ |
| Sharp-tailed grouse | 73 | _____ | _____ |
| Hungarian (Gray) partridge | 74 | _____ | _____ |
| Fox squirrel | 89 | _____ | _____ |
| Gray squirrel | 90 | _____ | _____ |
| Cottontail rabbit | 91 | _____ | _____ |
| Jackrabbit | 92 | _____ | _____ |
| Snowshoe hare | 93 | _____ | _____ |
| Badger | 35 | _____ | _____ |
| Coyote (brush wolf) | 97 | _____ | _____ |
| Gray fox | 96 | _____ | _____ |
| Raccoon | 94 | _____ | _____ |
| Red fox | 95 | _____ | _____ |

Dear Small Game Hunter:

You have been selected at random from among Minnesota's small game hunting license buyers to assist us in evaluating the 2009-2010 small game hunting season (**March 2009-February 2010**). We need information to estimate the season's harvest and to help set future small game seasons. Answer only for your Minnesota 2009 hunting experience.

YOUR RESPONSE IS NEEDED EVEN IF YOU DID NOT HUNT OR HARVEST SMALL GAME

Please fill out the attached questionnaire and mail as soon as possible. A reminder will be sent to individuals not returning the questionnaire within three weeks. No envelope or stamp is necessary; just tear along the perforation and drop into a mailbox.

THANK YOU FOR YOUR COOPERATION

Dave Schad, Director
Division of Fish and Wildlife
Department of Natural Resources



Minnesota Department of Natural Resources
Division of Fish and Wildlife
Wildlife Research Unit
500 Lafayette Road, Box 20
St. Paul, MN 55155



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL
FIRST-CLASS MAIL PERMIT NO. 171 ST. PAUL, MN

POSTAGE WILL BE PAID BY ADDRESSEE

Department of Natural Resources - Wildlife
STATE OF MINNESOTA
395 JOHN IRELAND BLVD
SAINT PAUL MN 55101-9798



Figure 1. Sample of Small Game Hunter survey card

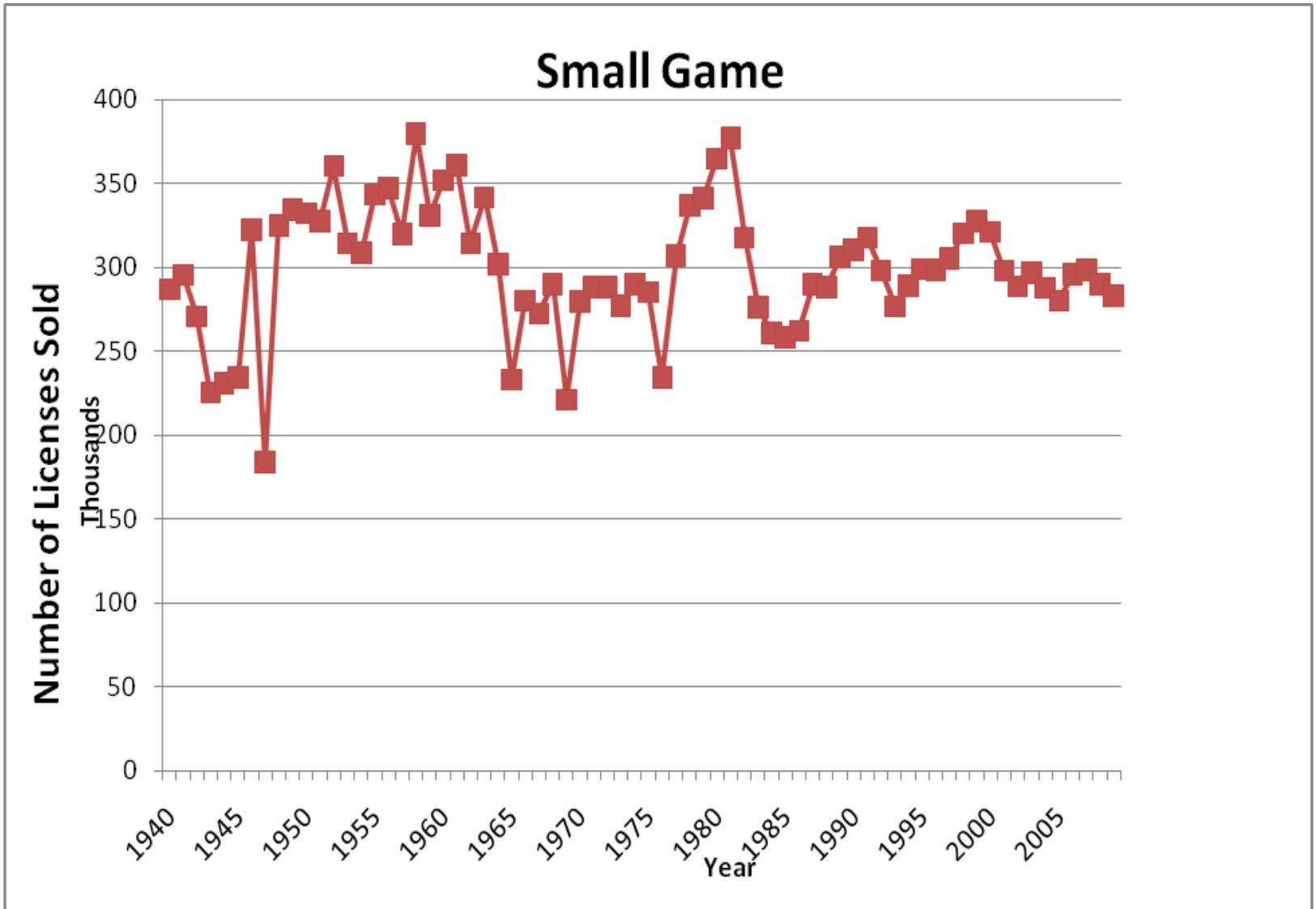


Figure 2. Number of Minnesota small game licenses sold, 1940–2009

Table 3. Estimated number of hunters (thousands) for various species, 1995-96 through 2009-10.

| | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Ducks | 119 | 114 | 122 | 117 | 122 | 109 | 109 | 112 | 101 | 105 | 92 | 87 | 87 | 81 | 78 |
| Canada goose | 73 | 75 | 79 | 77 | 80 | 77 | 76 | 79 | 75 | 75 | 69 | 66 | 63 | 59 | 56 |
| Other geese | 10 | 6 | 5 | 6 | 5 | 7 | 7 | 6 | 7 | 5 | 5 | 5 | 4 | 4 | 3 |
| American coot | 9 | 6 | 7 | 5 | 6 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 3 | 4 | 4 |
| Common snipe | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 |
| Rails / gallinules | 1 | <1 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <1 | 0 | 1 | <1 | <1 | <1 |
| Crow * | 15 | 13 | 11 | 11 | 14 | 14 | 11 | 13 | 12 | 12 | 12 | 11 | 9 | 10 | 11 |
| American woodcock | 21 | 18 | 17 | 19 | 19 | 16 | 11 | 12 | 13 | 12 | 11 | 14 | 11 | 12 | 12 |
| Mourning dove ^γ | | | | | | | | | | 16 | 11 | 13 | 13 | 12 | 10 |
| Ring-necked pheasant | 96 | 88 | 80 | 88 | 93 | 100 | 85 | 91 | 105 | 104 | 111 | 119 | 118 | 107 | 100 |
| Ruffed grouse | 116 | 118 | 127 | 142 | 139 | 121 | 101 | 91 | 94 | 79 | 76 | 92 | 91 | 87 | 87 |
| Spruce grouse | 14 | 11 | 11 | 11 | 11 | 9 | 9 | 7 | 9 | 7 | 7 | 10 | 11 | 8 | 10 |
| Sharp-tailed grouse | 8 | 7 | 8 | 8 | 8 | 10 | 8 | 6 | 7 | 6 | 5 | 7 | 7 | 7 | 6 |
| Gray partridge | 12 | 11 | 8 | 10 | 10 | 8 | 7 | 7 | 8 | 5 | 6 | 6 | 7 | 4 | 4 |
| Gray squirrel | 35 | 33 | 27 | 30 | 31 | 27 | 26 | 25 | 29 | 23 | 25 | 25 | 26 | 22 | 22 |
| Fox squirrel | 23 | 20 | 16 | 18 | 20 | 17 | 15 | 15 | 20 | 15 | 15 | 16 | 15 | 13 | 13 |
| Eastern cottontail | 23 | 19 | 14 | 19 | 18 | 20 | 17 | 16 | 21 | 19 | 20 | 20 | 20 | 18 | 16 |
| White-tailed jackrabbit | 5 | 4 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 |
| Snowshoe hare | 5 | 4 | 4 | 7 | 7 | 5 | 6 | 6 | 6 | 4 | 3 | 6 | 4 | 5 | 3 |
| Raccoon (Sept - Feb) | 10 | 10 | 9 | 9 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 9 | 10 | 7 | 7 |
| Raccoon [‡] (March -Aug) | 5 | 4 | 3 | 4 | 3 | 5 | 4 | 4 | 5 | 3 | 3 | | | | |
| Red fox (Sept -Feb) | 15 | 11 | 9 | 9 | 8 | 10 | 6 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 8 |
| Red fox [‡] (March -Aug) | 4 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | | | | |
| Gray fox | 3 | n.a. | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 |
| Coyote | 15 | 13 | 10 | 11 | 11 | 16 | 11 | 12 | 15 | 16 | 19 | 17 | 16 | 19 | 19 |
| Badger | <1 | 1 | 1 | <1 | <1 | 1 | <1 | 1 | <1 | 1 | 1 | 1 | <1 | <1 | <1 |

* Crow season added in 1989.

[‡] Raccoon and red fox season continuous May 1994 thru March 15, 2006. ^γ Mourning dove season added 2004.

Table 4. Estimated take per hunter, for respondents reporting that they hunted a particular species, 1995-96 through 2009-10.

| | Estimated take per hunter | | | | | | | | | | | | | | |
|------------------------------------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |
| Ducks | 9.7 | 9.6 | 9.9 | 9.5 | 8.4 | 8.9 | 9.1 | 9.2 | 9.0 | 6.9 | 7.3 | 8.4 | 8.1 | 8.1 | 7.4 |
| Canada geese | 2.5 | 3.2 | 2.9 | 2.8 | 3.5 | 3.9 | 4.0 | 3.3 | 3.9 | 3.8 | 4.1 | 4.9 | 3.9 | 4.9 | 4.1 |
| Other geese | 0.9 | 1.4 | 2.3 | 1.0 | 1.2 | 2.2 | 1.2 | 1.9 | 1.7 | 1.5 | 1.9 | 1.5 | 2.1 | 3.2 | 1.9 |
| American coot | 3.1 | 3.8 | 4.1 | 4.7 | 4.0 | 2.7 | 4.5 | 4.6 | 2.8 | 4.0 | 3.9 | 5.6 | 4.6 | 5.7 | 3.6 |
| Common snipe | 1.6 | 2.8 | 2.6 | 2.9 | 1.6 | 1.3 | 1.3 | 1.5 | 1.8 | 1.1 | 4.4 | 1.9 | 2.0 | 1.2 | 1.1 |
| Rails/gallinules | 2.3 | 1.0 | 0.7 | 0.5 | 0.2 | 3.7 | 0.6 | 2.6 | 0.5 | 0.3 | 0 | 2.4 | 5.3 | 0.4 | 0.8 |
| Crow * | 8.5 | 7.3 | 6.6 | 9.3 | 4.4 | 6.9 | 7.7 | 5.6 | 6.7 | 5.8 | 7.8 | 6.4 | 6.4 | 5.2 | 5.3 |
| American woodcock | 3.9 | 3.2 | 3.4 | 3.3 | 2.8 | 2.8 | 2.3 | 2.4 | 2.4 | 3.5 | 2.5 | 3.2 | 2.6 | 2.4 | 3.0 |
| Mourning dove ^γ | | | | | | | | | | 6.2 | 7 | 6.7 | 7.7 | 11.4 | 10.5 |
| Ring-necked pheasant | 4.2 | 3.9 | 3.1 | 3.5 | 3.7 | 3.7 | 3.2 | 3.9 | 4.9 | 4.0 | 5.3 | 4.9 | 5.5 | 4.9 | 4.0 |
| Ruffed grouse | 3.9 | 4.5 | 5.2 | 6.7 | 4.9 | 5.1 | 3.3 | 2.8 | 3.8 | 2.5 | 2.9 | 4.5 | 3.2 | 3.7 | 4.1 |
| Spruce grouse | 1.8 | 1.4 | 2.3 | 2.4 | 1.8 | 2.5 | 1.1 | 1.6 | 2.1 | 1.3 | 1.4 | 2.7 | 1.7 | 2.0 | 1.9 |
| Sharp-tailed grouse | 1.3 | 1.2 | 1.7 | 2.6 | 1.6 | 1.6 | 1.2 | 1.3 | 1.7 | 1.7 | 1.3 | 1.8 | 2.0 | 2.1 | 1.7 |
| Gray partridge | 2.2 | 2.2 | 1.9 | 2.5 | 1.9 | 2.1 | 1.5 | 1.7 | 2.8 | 2.4 | 2.6 | 1.9 | 1.6 | 2.2 | 1.9 |
| Gray squirrel | 4.9 | 4.9 | 4.9 | 5.0 | 4.3 | 5.3 | 5.6 | 5.2 | 6.0 | 5.7 | 5.0 | 5.5 | 5.2 | 5.4 | 4.9 |
| Fox squirrel | 4.6 | 3.8 | 4.4 | 3.3 | 3.5 | 3.9 | 4.1 | 4.5 | 4.2 | 4.1 | 4.1 | 4.2 | 3.2 | 3.9 | 4.1 |
| Eastern cottontail | 4.3 | 3.4 | 4.5 | 4.6 | 3.2 | 3.9 | 3.6 | 3.3 | 4.3 | 4.6 | 4.5 | 3.9 | 4.0 | 4.5 | 3.5 |
| White-tailed jackrabbit | 1.5 | 2.6 | 1.6 | 2.5 | 1.9 | 2.8 | 2.6 | 1.6 | 2.4 | 2.3 | 2.7 | 1.6 | 3.3 | 2.6 | 1.5 |
| Snowshoe hare | 2.0 | 2.3 | 2.0 | 3.5 | 3.1 | 5.2 | 3.3 | 1.9 | 2.2 | 1.8 | 3.1 | 3.0 | 1.4 | 2.5 | 1.5 |
| Raccoon (Sept - Feb) | 14.7 | 21.3 | 13.8 | 16.6 | 10.9 | 7.6 | 9.4 | 10.0 | 8.5 | 9.0 | 6.0 | 7.2 | 4.9 | 9.7 | 9.1 |
| Raccoon [‡] (March -Aug) | 11.3 | 24.4 | 5.1 | 5.8 | 6.4 | 7.8 | 4.4 | 5.4 | 4.7 | 6.1 | 2.7 | | | | |
| Red fox (Sept -Feb) | 3.1 | 3.0 | 1.4 | 1.3 | 1.2 | 1.9 | 1.2 | 1.5 | 1.8 | 1.1 | 1.7 | 1.3 | 1.1 | 0.8 | 1.3 |
| Red fox [‡] (March -Aug) | 1.5 | 1.3 | 0.8 | 1.2 | 0.6 | 0.9 | 1.5 | 1.7 | 0.6 | 0.6 | 0.9 | | | | |
| Gray fox | 1.0 | n.a. | 1.3 | 0.9 | 0.9 | 0.7 | 0.4 | 0.4 | 0.4 | 1.1 | 0.9 | 1.8 | 0.3 | 1.3 | 1.0 |
| Coyote | 1.8 | 2.3 | 1.6 | 1.3 | 1.3 | 1.8 | 1.1 | 1.2 | 1.3 | 1.1 | 2.1 | 1.2 | 2.1 | 2.4 | 2.4 |
| Badger | 1.4 | 2.1 | 0.9 | 4.3 | 1.1 | 0.8 | 0.6 | 1.7 | 0.7 | 1.0 | 1.2 | 1.3 | 0.3 | 1.0 | 2.0 |

* Crow season added in 1989. ‡ Raccoon and red fox season continuous May 1994 thru March 15, 2006. ^γ Mourning dove season added 2004.

Table 5. Mean harvest for successful hunters and hunter success rates (%), 1999-00 through 2009-10.

| | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|------------|------------|-------------|-------------|
| Ducks | 9.7 (86.2) | 10.2 (84.9) | 10.6 (85.6) | 10.6 (86.7) | 10.4 (86.7) | 8.6 (81.1) | 8.9 (82.5) | 9.9 (84.4) | 9.5 (85.4) | 9.8 (82.8) | 9.2(80.5) |
| Canada geese | 4.7 (74.7) | 5.3 (74.2) | 5.3 (76.3) | 4.6 (72.0) | 5.1 (76.0) | 5.2 (72.8) | 5.5 (73.7) | 6.3 (78.4) | 5.5 (71.4) | 6.4 (76.6) | 5.6 (72.8) |
| Other geese | 2.8 (38.2) | 4.0 (54.1) | 2.8 (43.8) | 4.4 (42.5) | 2.7 (65.3) | 3.3 (45.7) | 4.5 (43.1) | 2.7 (55.2) | 4.2 (50.0) | 6.3 (50.0) | 3.5 (54.5) |
| American coot | 5.5 (73.0) | 4.2 (64.7) | 7.5 (60.4) | 6.4 (71.2) | 3.7 (76.9) | 5.5 (73.1) | 5.1 (75.9) | 7.2 (77.6) | 6.3 (74.4) | 6.9 (82.4) | 5.5 (65.5) |
| Common snipe | 2.3 (66.7) | 1.5 (85.0) | 2.4 (52.9) | 2.6 (60.0) | 2.3 (78.9) | 1.6 (68.0) | 4.7 (94.1) | 2.6 (75.0) | 2.9 (70.8) | 1.7 (72.7) | 1.82 (61.1) |
| Rails / gallinules | 1.0 (20.0) | 3.7 (100.0) | 1.5 (40.0) | 3.8 (66.7) | 1.0 (50.0) | 1.0 (33.3) | 0.0 (0.0) * | 4.3 (57.1) | 6.4 (83.3) | 1.0 (40.0) | 1.3 (60.0) |
| Crow | 5.2 (85.5) | 8.2 (84.0) | 8.6 (89.4) | 6.3 (89.0) | 7.9 (85.3) | 6.4 (90.8) | 9.1 (85.6) | 7.2 (89.1) | 7.3 (87.7) | 5.9 (87.8) | 5.9 (89.5) |
| American woodcock | 3.8 (74.6) | 3.6 (80.3) | 3.4 (68.3) | 3.6 (65.6) | 3.3 (71.8) | 5.3 (64.6) | 3.6 (70.3) | 3.9 (82.7) | 3.7 (68.9) | 3.3 (73.8) | 4.1 (72.3) |
| Mourning dove ^γ | | | | | | 7.9 (78.9) | 8.7 (80.1) | 8.2 (81.2) | 9.8 (78.7) | 13.2 (86.6) | 11.4 (92.2) |
| Ring-necked pheasant | 5.2 (69.8) | 5.2 (71.9) | 4.7 (66.4) | 5.5 (71.7) | 6.3 (77.2) | 5.7 (70.0) | 7.0 (75.9) | 6.6 (75.3) | 7.1 (78.1) | 6.4 (76.7) | 5.8 (68.7) |
| Ruffed grouse | 6.3 (78.9) | 6.4 (80.7) | 4.8 (68.5) | 4.3 (63.8) | 5.1 (73.5) | 3.9 (63.3) | 4.4 (67.5) | 5.9 (77.4) | 4.7 (69.4) | 5.0 (73.7) | 5.5 (74.5) |
| Spruce grouse | 2.9 (62.7) | 4.1 (60.7) | 2.3 (47.2) | 3.4 (48.0) | 3.3 (62.9) | 2.3 (54.2) | 2.4 (60.6) | 3.8 (70.6) | 3.1 (53.8) | 3.0 (67.6) | 3.1 (63.6) |
| Sharp-tailed grouse | 3.4 (48.2) | 3.1 (52.9) | 2.4 (49.5) | 3.5 (38.8) | 3.3 (52.2) | 3.1 (54.3) | 2.4 (55.1) | 3.3 (56.0) | 4.4 (45.9) | 3.2 (64.2) | 3.0 (57.3) |
| Gray partridge | 3.1 (62.4) | 3.7 (58.6) | 2.5 (58.3) | 2.8 (59.1) | 4.1 (68.9) | 3.6 (65.7) | 5.0 (52.3) | 2.8 (68.8) | 3.0 (55.4) | 3.4 (64.8) | 3.3 (57.9) |
| Gray squirrel | 5.1 (84.7) | 6.7 (84.9) | 6.6 (84.4) | 6.1 (86.2) | 7.0 (85.3) | 6.9 (82.5) | 5.8 (86.1) | 6.4 (87.1) | 5.9 (87.6) | 6.2 (87.6) | 5.8 (85.6) |
| Fox squirrel | 4.5 (79.0) | 4.8 (80.5) | 5.3 (77.7) | 5.9 (76.4) | 5.1 (82.6) | 4.8 (85.1) | 5.0 (82.5) | 5.0 (84.5) | 3.9 (82.6) | 4.6 (83.3) | 4.8 (84.7) |
| Eastern cottontail | 4.0 (80.0) | 4.8 (82.5) | 4.7 (77.7) | 4.7 (70.5) | 5.2 (84.2) | 5.8 (79.6) | 5.4 (83.4) | 4.6 (84.8) | 4.8 (84.0) | 5.3 (85.2) | 4.3 (82.6) |
| White-tailed jackrabbit | 2.6 (72.7) | 4.1 (68.2) | 5.2 (50.0) | 2.7 (60.6) | 3.3 (72.5) | 3.0 (75.0) | 3.2 (82.8) | 2.5 (63.6) | 4.5 (72.2) | 3.8 (70.0) | 2.1 (70.8) |
| Snowshoe hare | 3.9 (79.4) | 6.3 (82.6) | 4.4 (75.0) | 2.9 (67.1) | 3.5 (60.8) | 3.0 (61.4) | 4.6 (68.1) | 3.8 (80.3) | 2.2 (62.3) | 3.5 (71.4) | 2.6 (59.6) |
| Raccoon (Sept -Feb) | 11.4 (95.1) | 8.0 (94.8) | 10.0 (93.6) | 11.6 (86.3) | 9.6 (88.5) | 9.9 (91.6) | 6.5 (92.6) | 7.7 (93.8) | 5.4 (89.9) | 10.6 (91.2) | 9.6 (94.9) |
| Raccoon [‡] (March -Aug) | 6.6 (96.2) | 8.2 (95.1) | 4.9 (90.2) | 5.9 (91.7) | 5.6 (85.2) | 6.7 (90.9) | 3.1 (86.8) | | | | |
| Red fox (Sept -Feb) | 2.4 (51.9) | 3.4 (56.7) | 2.7 (44.9) | 3.1 (49.0) | 3.5 (51.0) | 2.8 (38.2) | 3.7 (46.4) | 2.1 (60.0) | 2.3 (45.8) | 1.5 (49.3) | 2.4 (54.3) |
| Red fox [‡] (March -Aug) | 1.3 (47.4) | 1.9 (47.1) | 2.8 (54.5) | 3.6 (46.7) | 1.1 (51.7) | 1.4 (44.4) | 1.6 (55.6) | | | | |
| Gray fox | 2.3 (40.0) | 2.0 (33.3) | 1.4 (26.3) | 1.8 (23.5) | 1.3 (30.0) | 2.6 (40.9) | 1.9 (50.0) | 2.7 (65.4) | 1.0 (29.2) | 3.3 (39.1) | 2.5 (41.7) |
| Coyote | 2.5 (49.1) | 3.4 (53.9) | 2.4 (47.3) | 3.2 (36.6) | 2.7 (48.8) | 2.5 (45.3) | 4.11 (50.4) | 2.4 (50.5) | 4.4 (49.0) | 4.4 (53.8) | 4.6 (51.7) |
| Badger | 1.3 (87.5) | 1.0 (83.3) | 1.0 (60.0) | 2.8 (60.0) | 1.0 (66.7) | 1.2 (85.7) | 1.2 (100.0) | 1.6 (81.8) | 1.0 (33.3) | 1.2 (83.3) | 2.5 (80.0) |

[‡] Raccoon and red fox season continuous May 1994 thru March 15, 2006. ^γ Mourning dove season added 2004. * No hunters surveyed reported Rails/Gallinules in bag.

Table 6. Statewide (resident and non-resident) small game hunting license sales and estimated hunter harvest, 1997-98 through 2009-10.

| | 1997-98 | 1998-99 | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |
|--|---------|---------|---------|---------|----------------------|----------------------|---------|---------|---------|---------|---------|---------|---------|
| Small game license sales ^a | 305,186 | 320,308 | 327,431 | 320,862 | 298,055 | 288,729 | 296,939 | 287,725 | 280,156 | 295,898 | 298,467 | 290,064 | 282,983 |
| Federal duck stamp sales | 138,331 | 134,098 | 134,138 | 135,884 | 140,980 ^c | 144,851 ^c | | | | | | | |
| State duck stamp sales | 126,009 | 126,488 | 128,245 | 121,709 | 118,590 | 119,677 | 118,757 | 114,003 | 102,143 | 101,792 | 100,134 | 95,675 | 89,942 |
| Pheasant stamp sales | 85,093 | 99,664 | 106,945 | 114,440 | 97,665 | 102,097 | 121,456 | 114,653 | 117,301 | 129,546 | 129,315 | 123,270 | 110,456 |
| Estimated harvest ^b (thousands) | | | | | | | | | | | | | |
| Ducks ^c | 1,206 | 1,119 | 1,021 | 969 | 990 | 1,024 | 914 | 727 | 677 | 731 | 708 | 658 | 576 |
| Canada geese ^c | 230 | 218 | 285 | 301 | 308 | 257 | 290 | 284 | 282 | 324 | 244 | 288 | 229 |
| Other geese ^c | 11 | 6 | 6 | 15 | 8 | 11 | 13 | 8 | 9 | 7 | 8 | 14 | 6 |
| American coot ^c | 29 | 25 | 25 | 10 | 17 | 20 | 11 | 20 | 16 | 25 | 16 | 24 | 15 |
| Common snipe | 4 | 5 | 3 | 3 | 2 | 3 | 3 | 2 | 5 | 4 | 4 | 2 | 1 |
| Rails / gallinules | <1 | <1 | <1 | 1 | <1 | 2 | <1 | <1 | 0 | 1 | 3 | <1 | <1 |
| Crow | 74 | 106 | 60 | 96 | 88 | 72 | 82 | 72 | 93 | 69 | 54 | 52 | 56 |
| American woodcock | 58 | 63 | 54 | 45 | 27 | 28 | 30 | 41 | 28 | 43 | 28 | 29 | 35 |
| Mourning dove ^f | | | | | | | | 97 | 78 | 86 | 101 | 133 | 110 |
| Ring-necked pheasant | 248 | 309 | 339 | 375 | 267 | 358 | 511 | 420 | 586 | 588 | 655 | 522 | 400 |
| Ruffed grouse | 654 | 946 | 685 | 619 | 332 | 249 | 351 | 194 | 224 | 417 | 294 | 318 | 358 |
| Spruce grouse | 25 | 27 | 19 | 23 | 9 | 12 | 18 | 9 | 10 | 27 | 18 | 17 | 19 |
| Sharp-tailed grouse | 13 | 22 | 14 | 16 | 10 | 9 | 12 | 10 | 6 | 12 | 14 | 14 | 10 |
| Gray partridge | 16 | 24 | 19 | 17 | 10 | 11 | 22 | 13 | 16 | 11 | 11 | 10 | 8 |
| Gray squirrel | 131 | 149 | 132 | 140 | 146 | 134 | 175 | 133 | 122 | 141 | 133 | 122 | 110 |
| Fox squirrel | 68 | 57 | 71 | 65 | 63 | 67 | 85 | 62 | 62 | 66 | 48 | 51 | 54 |
| Eastern cottontail | 65 | 89 | 59 | 78 | 63 | 52 | 93 | 87 | 90 | 78 | 79 | 80 | 58 |
| White-tailed jack rabbit | 4 | 7 | 6 | 7 | 8 | 4 | 7 | 7 | 5 | 4 | 9 | 6 | 3 |
| Snowshoe hare | 8 | 25 | 21 | 27 | 22 | 11 | 12 | 8 | 10 | 17 | 6 | 11 | 5 |
| Raccoon (Sept -Feb) | 124 | 143 | 65 | 49 | 59 | 60 | 50 | 57 | 29 | 63 | 47 | 72 | 67 |
| Raccoon ^d (Mar -Aug) | 17 | 2 | 16 | 36 | 18 | 19 | 22 | 20 | 7 | | | | |
| Red fox (Sept -Feb) | 13 | 13 | 10 | 19 | 7 | 11 | 13 | 6 | 10 | 8 | 6 | 4 | 10 |
| Red fox ^d (Mar -Aug) | 2 | 3 | 1 | 2 | 4 | 4 | 1 | 1 | 1 | | | | |
| Gray fox | 3 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 1 | 2 | 2 |
| Coyote | 16 | 14 | 13 | 29 | 12 | 14 | 20 | 18 | 39 | 21 | 34 | 46 | 46 |
| Badger | 1 | 1 | 1 | 1 | <1 | 1 | <1 | <1 | 1 | 1 | <1 | <1 | 1 |

Harvest estimates in this table, and the number of hunters and mean take per hunter in Table 5, are calculated from different questions on the survey form. The sample used in calculations differs from one estimator to the next. This is because some respondents give specific answers to one question but not to a related one. A formula is used to calculate the total estimated take for each species that appear in this table. In most years the formula produces results rather close to those obtained by multiplying the average take per hunter times the number of hunters. However, in other years (e.g., 1985) results of the two methods are quite divergent, perhaps as a result of an unusual sample. This is being investigated further, and as a result, numbers may change somewhat in future reports. The most current report of survey findings will have the best data available at that time.

^a Duplicate licenses not included.

^b Estimates based upon response of hunters to questionnaires.

^c U.S. Fish and Wildlife Service HIP harvest estimates for 2008 are:

Ducks 584,000 Canada geese 222,900 Other geese 0

^d Raccoon and red fox seasons were year round from May, 1994 through March 16, 2006.

^e Federal duck stamps sold have not been audited for non-hunting stamp purchasers. ^f Mourning dove season added 2004.

Table 7. Mail survey results of nonresident small game hunters, 1996-97 through 2008-09.

| | 1997-98 | 1998-99 | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 |
|--|------------|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Nonresident licenses issued^a | 6,361 | 7,155 | 7,572 | 7001 | 5,843 | 5,852 | 6,291 | 6,385 | 5,897 | 7,356 | 7,858 | 7,114 | 6,934 |
| Questionnaires: | | | | | | | | | | | | | |
| Number mailed | 269 | 200 | 199 | 98 | 124 | 130 | 123 | 182 | 210 | 185 | 185 | 226 | 196 |
| Number not delivered | 18 | 17 | 16 | 6 | 9 | 9 | 17 | 13 | 10 | 11 | 11 | 15 | 10 |
| Number (percent) returned | 183 (73) | 117 (64) | 136 (74) | 56 (61) | 77 (67) | 75 (66) | 68 (64) | 114 (67) | 134 (67) | 115 (62) | 101 (58) | 89 (42) | 105 (54) |
| Estimated nonresidents and (percent) of all nonresidents hunting: | | | | | | | | | | | | | |
| Ducks | 2,331 (37) | 2,874 (40) | 2,505 (33) | 2,375 (34) | 2,727 (47) | 2,263 (39) | 2,498 (40) | 2,394 (37) | 2,040 (35) | 2,344 (32) | 2,256 (29) | 2,293 (32) | 1,849 (27) |
| Canada goose | 1,113 (17) | 1,468 (20) | 1,225 (16) | 1,500 (21) | 1,169 (20) | 1,092 (19) | 1,388 (24) | 1,368 (21) | 1,818 (31) | 2,083 (28) | 934 (12) | 1,587(22) | 726 (10) |
| Ruffed grouse | 2,157 (34) | 3,608 (50) | 3,508 (46) | 3,000 (43) | 1,169 (20) | 2,029 (35) | 2,313 (40) | 1,824 (29) | 1,774 (30) | 1,953 (26) | 1,867 (24) | 1,940 (27) | 1,915 (28) |
| Ring-necked pheasant | 731 (11) | 612 (8) | 947 (13) | 625 (9) | 935 (16) | 1,404 (24) | 2,128 (36) | 2,679 (42) | 2,572 (44) | 3,776 (51) | 2,645 (34) | 3,116 (44) | 1,519 (22) |
| Raccoon | 35 (1) | 0 (0) ^c | 56 (1) | 250 (4) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 44 (0.7) | 0 (0) | 78 (1.0) | 0 (0) | 0 (0) |
| Estimated nonresident take: | | | | | | | | | | | | | |
| Ducks | 15,967 | 26,663 | 26,391 | 18,253 | 42,225 | 17,556 | 17,855 | 19,269 | 12,149 | 12,173 | 22,718 | 15,463 | 11,755 |
| Canada goose | 4,905 | 4,587 | 6,960 | 5,001 | 13,400 | 5,852 | 5,736 | 6,214 | 3,946 | 3,580 | 3,501 | 5,762 | 3,698 |
| Ruffed grouse | 16,072 | 27,886 | 23,384 | 24,003 | 6,622 | 9,207 | 9,437 | 7,924 | 6,429 | 11,522 | 7,236 | 6,938 | 8,651 |
| Ring-necked pheasant | 2,505 | 1,712 | 4,844 | 4,001 | 3,740 | 7,647 | 9,344 | 11,174 | 13,656 | 16,079 | 17,661 | 10,642 | 6,274 |
| Raccoon ^b | 70 | 0 | 724 | 3,375 | 0 | 0 | 0 | 0 | 887 | 0 | 3,268 | 0 | 0 |

^a Excludes duplicate licenses and nonresident shooting preserve licenses.

^b In 2001, 2002, 2003, 2004, 2006, 2008, and 2009 no non-residents reported hunting/harvesting raccoons.

| Raccoon take per hunter | | | |
|--------------------------------|----------|--------------|---|
| Year | Resident | Non-resident | Number of Non-resident raccoon licenses |
| 2000 | 8 | 13 | 51 |
| 2001 ^b | 10 | 0 | 48 |
| 2002 ^b | 11 | 0 | 46 |
| 2003 ^b | 10 | 0 | 44 |
| 2004 ^b | 8 | 0 | 46 |
| 2005 | 6 | 20 | 44 |
| 2006 ^b | 8 | 0 | 53 |
| 2007 | 5 | 42 | 45 |
| 2008 ^b | 10 | 0 | 40 |
| 2009 ^b | 10 | 0 | 33 |

Table 8. Number of days spent hunting small game statewide by species, 2009 – 10.

| SPECIES HUNTED | SUM OF DAYS HUNTED | SAMPLE SIZE | MEAN DAYS HUNTED W/ ZEROES | 95% CONF INT | N REPORTING DAYS HUNTED | MEAN DAYS HUNTED W/O ZEROES | 95% CONF INT | ESTIMATED HUNTERS | ESTIMATED HUNTER-DAYS | 95% CONF INT |
|---------------------|--------------------|-------------|----------------------------|--------------|-------------------------|-----------------------------|--------------|-------------------|-----------------------|--------------|
| DUCK (ALL SPECIES) | 7485 | 3802 | 1.97 | 0.16 | 1032 | 7.25 | 0.47 | 77,705 | 557,109 | 45,756 |
| CANADA GOOSE | 5580 | 3802 | 1.47 | 0.15 | 728 | 7.66 | 0.60 | 55,599 | 415,320 | 42,066 |
| OTHER GEESE | 300 | 3802 | 0.08 | 0.04 | 40 | 7.50 | 3.15 | 3,275 | 22,329 | 11,461 |
| COOT | 355 | 3802 | 0.09 | 0.04 | 50 | 7.10 | 2.76 | 4,094 | 26,423 | 12,433 |
| SNIPE | 130 | 3802 | 0.03 | 0.03 | 15 | 8.67 | 6.42 | 1,340 | 9,676 | 7,942 |
| RAILS & GALLINULES | 71 | 3802 | 0.02 | 0.02 | 5 | 14.20 | 22.44 | 372 | 5,285 | 6,971 |
| CROW | 617 | 3802 | 0.16 | 0.06 | 133 | 4.64 | 1.51 | 10,643 | 45,923 | 16,615 |
| WOODCOCK | 915 | 3802 | 0.24 | 0.05 | 151 | 6.06 | 0.93 | 11,834 | 68,103 | 14,761 |
| MOURNING DOVE | 631 | 3802 | 0.17 | 0.04 | 138 | 4.57 | 0.88 | 10,495 | 46,965 | 11,743 |
| PHEASANT | 9150 | 3802 | 2.41 | 0.19 | 1314 | 6.96 | 0.46 | 99,811 | 681,035 | 53,296 |
| RUFFED GROUSE | 7481 | 3802 | 1.97 | 0.16 | 1152 | 6.49 | 0.44 | 87,530 | 556,811 | 46,294 |
| SPRUCE GROUSE | 775 | 3802 | 0.20 | 0.06 | 122 | 6.35 | 1.32 | 9,825 | 57,683 | 15,546 |
| SHARP-TAILED GROUSE | 449 | 3802 | 0.12 | 0.05 | 72 | 6.24 | 2.01 | 5,582 | 33,419 | 13,046 |
| GRAY PARTRIDGE | 447 | 3802 | 0.12 | 0.05 | 54 | 8.28 | 3.01 | 4,243 | 33,270 | 14,765 |
| FOX SQUIRREL | 1084 | 3802 | 0.29 | 0.08 | 172 | 6.30 | 1.45 | 13,174 | 80,682 | 21,822 |
| GRAY SQUIRREL | 1568 | 3802 | 0.41 | 0.08 | 284 | 5.52 | 0.82 | 22,255 | 116,706 | 21,475 |
| COTTONTAIL RABBIT | 1180 | 3802 | 0.31 | 0.12 | 208 | 5.67 | 2.03 | 16,300 | 87,827 | 33,254 |
| JACKRABBIT | 40 | 3802 | 0.01 | 0.01 | 21 | 1.90 | 0.83 | 1,786 | 2,977 | 1,724 |
| SNOWSHOE HARE | 159 | 3802 | 0.04 | 0.02 | 43 | 3.70 | 1.28 | 3,498 | 11,834 | 5,317 |
| BADGER | 7 | 3802 | 0.00 | 0.00 | 4 | 1.75 | 1.52 | 372 | 521 | 561 |
| RACCOON(SEPT-FEB) | 771 | 3802 | 0.20 | 0.09 | 86 | 8.97 | 3.75 | 7,294 | 57,386 | 26,546 |
| RED FOX(SEPT-FEB) | 904 | 3802 | 0.24 | 0.10 | 91 | 9.93 | 3.46 | 7,815 | 67,285 | 26,833 |
| GRAY FOX | 405 | 3802 | 0.11 | 0.09 | 20 | 20.25 | 15.55 | 1,786 | 30,144 | 24,731 |
| COYOTE | 2153 | 3802 | 0.57 | 0.14 | 244 | 8.82 | 1.88 | 19,426 | 160,248 | 38,912 |

Table 9. Statewide estimates of number of hunters and mean harvest for all hunters reporting hunting for that species, 2009 – 10.

| SPECIES HUNTED | BAGGED SUM | SAMPLE SIZE | N HUNTING | ESTIMATED HUNTERS | MEAN BAGGED W/ ZEROES | 95% CONF INT |
|---------------------|------------|-------------|-----------|-------------------|-----------------------|--------------|
| DUCK (ALL SPECIES) | 7749 | 3802 | 1044 | 77,705 | 7.42 | 0.22 |
| CANADA GOOSE | 3074 | 3802 | 747 | 55,599 | 4.12 | 0.11 |
| OTHER GEESE | 84 | 3802 | 44 | 3,275 | 1.91 | 0.01 |
| COOT | 199 | 3802 | 55 | 4,094 | 3.62 | 0.03 |
| SNIPE | 20 | 3802 | 18 | 1,340 | 1.11 | 0.00 |
| RAILS & GALLINULES | 4 | 3802 | 5 | 372 | 0.80 | 0.00 |
| CROW | 757 | 3802 | 143 | 10,643 | 5.29 | 0.05 |
| WOODCOCK | 476 | 3802 | 159 | 11,834 | 2.99 | 0.05 |
| MOURNING DOVE | 1477 | 3802 | 141 | 10,495 | 10.48 | 0.10 |
| PHEASANT | 5375 | 3802 | 1341 | 99,811 | 4.01 | 0.13 |
| RUFFED GROUSE | 4810 | 3802 | 1176 | 87,530 | 4.09 | 0.12 |
| SPRUCE GROUSE | 257 | 3802 | 132 | 9,825 | 1.95 | 0.02 |
| SHARP-TAILED GROUSE | 128 | 3802 | 75 | 5,582 | 1.71 | 0.01 |
| GRAY PARTRIDGE | 108 | 3802 | 57 | 4,243 | 1.89 | 0.01 |
| FOX SQUIRREL | 725 | 3802 | 177 | 13,174 | 4.10 | 0.05 |
| GRAY SQUIRREL | 1475 | 3802 | 299 | 22,255 | 4.93 | 0.06 |
| COTTONTAIL RABBIT | 776 | 3802 | 219 | 16,300 | 3.54 | 0.04 |
| JACKRABBIT | 35 | 3802 | 24 | 1,786 | 1.46 | 0.01 |
| SNOWSHOE HARE | 72 | 3802 | 47 | 3,498 | 1.53 | 0.01 |
| BADGER | 10 | 3802 | 5 | 372 | 2.00 | 0.00 |
| RACCOON(SEPT-FEB) | 896 | 3802 | 98 | 7,294 | 9.14 | 0.11 |
| RED FOX(SEPT-FEB) | 138 | 3802 | 105 | 7,815 | 1.31 | 0.01 |
| GRAY FOX | 25 | 3802 | 24 | 1,786 | 1.04 | 0.01 |
| COYOTE | 620 | 3802 | 261 | 19,426 | 2.38 | 0.05 |

Table 10. Estimated harvest and mean harvest per successful hunter 2009-10

| SPECIES HUNTED | N BAGGING | MEAN BAGGED W/O ZEROES | 95% CONF INT | ESTIMATED BAGGERS | HARVEST ESTIMATE | 95% CONF INT | HUNTER SUCCESS RATE (%) |
|---------------------|--------------|---------------------------|-----------------|----------------------|---------------------|-----------------|-------------------------------|
| DUCK (ALL SPECIES) | 840 | 9.23 | 0.85 | 62,521 | 576,758 | 62,631 | 80.5 |
| CANADA GOOSE | 544 | 5.65 | 0.59 | 40,490 | 228,798 | 29,573 | 72.8 |
| OTHER GEESE | 24 | 3.50 | 1.80 | 1,786 | 6,252 | 3,867 | 54.5 |
| COOT | 36 | 5.53 | 2.43 | 2,679 | 14,812 | 7,975 | 65.5 |
| SNIPE | 11 | 1.82 | 0.78 | 819 | 1,489 | 1,024 | 61.1 |
| RAILS & GALLINULES | 3 | 1.33 | 1.43 | 223 | 298 | 355 | 60.0 |
| CROW | 128 | 5.91 | 1.09 | 9,527 | 56,344 | 13,992 | 89.5 |
| WOODCOCK | 115 | 4.14 | 1.53 | 8,559 | 35,429 | 14,452 | 72.3 |
| MOURNING DOVE | 130 | 11.36 | 2.11 | 9,676 | 109,933 | 27,382 | 92.2 |
| PHEASANT | 921 | 5.84 | 0.42 | 68,550 | 400,061 | 36,455 | 68.7 |
| RUFFED GROUSE | 876 | 5.49 | 0.43 | 65,201 | 358,008 | 34,886 | 74.5 |
| SPRUCE GROUSE | 84 | 3.06 | 0.78 | 6,252 | 19,129 | 6,293 | 63.6 |
| SHARP-TAILED GROUSE | 43 | 2.98 | 0.69 | 3,200 | 9,527 | 3,549 | 57.3 |
| GRAY PARTRIDGE | 33 | 3.27 | 1.16 | 2,456 | 8,038 | 3,886 | 57.9 |
| FOX SQUIRREL | 150 | 4.83 | 1.00 | 11,165 | 53,962 | 13,873 | 84.7 |
| GRAY SQUIRREL | 256 | 5.76 | 0.67 | 19,054 | 109,784 | 18,048 | 85.6 |
| COTTONTAIL RABBIT | 181 | 4.29 | 0.65 | 13,472 | 57,758 | 11,929 | 82.6 |
| JACKRABBIT | 17 | 2.06 | 0.97 | 1,265 | 2,605 | 1,644 | 70.8 |
| SNOWSHOE HARE | 28 | 2.57 | 0.59 | 2,084 | 5,359 | 2,303 | 59.6 |
| BADGER | 4 | 2.50 | 3.79 | 298 | 744 | 939 | 80.0 |
| RACCOON(SEPT-FEB) | 93 | 9.63 | 4.10 | 6,922 | 66,689 | 31,026 | 94.9 |
| RED FOX(SEPT-FEB) | 57 | 2.42 | 0.55 | 4,243 | 10,271 | 3,493 | 54.3 |
| GRAY FOX | 10 | 2.50 | 1.94 | 744 | 1,861 | 1,645 | 41.7 |
| COYOTE | 135 | 4.59 | 1.28 | 10,048 | 46,147 | 14,799 | 51.7 |

The following information has been excerpted from: U.S. Fish and Wildlife Service. Migratory bird hunting activity and harvest during the 2008 and 2009 hunting seasons: preliminary estimates. U.S. Department of the Interior, Washington, D.C. U.S.A. The entire report is available on-line at <http://www.fws.gov/migratorybirds/reports/reports.html>

Table 1. Species composition of the Minnesota waterfowl harvest, 2008 and 2009. (from: Raftovich, R.V., K.A. Wilkins, K.D. Richkus, S.S. Williams, and H.L. Spriggs. 2010. Migratory Bird Hunting activity and harvest during the 2008 and 2009 hunting seasons: Preliminary estimates. U.S. Fish and Wildlife Service, Laurel, Maryland. USA July 2010. 63 pp).**Note:** All hunter activity and harvest estimates are preliminary, pending final counts of the number of migratory bird hunters in each state and complete audits of all survey response data.

| Species | Minnesota Harvest | | | | | Mississippi Flyway Harvest | | |
|-------------------------------------|-------------------|--------------|-----------------|--------------|---------------------------------|----------------------------|-------------------|------------------------------|
| | 2008 | % of Harvest | 2009 | % of Harvest | Percent change in Harvest 08-09 | 2008 | 2009 | Percent change Harvest 08-09 |
| Mallard | 188,974 | 32.36 | 101,280 | 25.82 | - 87 | 2,282,091 | 2,076,235 | - 10 |
| Domestic mallard | 0 | 0.00 | 0 | 0.00 | 0 | 3,311 | 1,990 | - 66 |
| American black duck | 1,120 | 0.19 | 0 | 0.00 | 0 | 29,641 | 30,373 | + 2 |
| Black x mallard | 560 | 0.10 | 641 | 0.16 | + 13 | 5,850 | 6,104 | + 4 |
| Gadwall | 19,877 | 3.40 | 23,931 | 6.10 | + 17 | 906,308 | 713,277 | - 27 |
| American wigeon | 13,718 | 2.35 | 10,470 | 2.67 | - 31 | 160,218 | 96,709 | - 66 |
| Green-winged teal | 61,592 | 10.55 | 49,999 | 12.74 | - 23 | 852,849 | 755,233 | - 13 |
| Blue-winged /cinnamon teal | 60,752 | 10.40 | 34,828 | 8.87 | - 74 | 517,937 | 732,594 | + 29 |
| Northern shoveler | 10,079 | 1.73 | 16,666 | 4.25 | + 40 | 252,481 | 283,039 | + 11 |
| Northern pintail | 7,279 | 1.25 | 3,632 | 0.93 | - 100 | 158,218 | 106,727 | - 48 |
| Wood duck | 78,949 | 13.52 | 53,204 | 13.56 | - 48 | 662,706 | 647,412 | - 2 |
| Redhead | 10,079 | 1.73 | 8,974 | 2.29 | - 12 | 43,108 | 59,860 | + 28 |
| Canvasback | 280 | 0.05 | 3,846 | 0.98 | + 93 | 1,234 | 27,831 | + 96 |
| Greater scaup | 840 | 0.14 | 1,496 | 0.38 | + 44 | 24,649 | 24,567 | 0 |
| Lesser scaup | 10,639 | 1.82 | 10,043 | 2.56 | - 6 | 97,340 | 111,522 | + 13 |
| Ring-necked duck | 80,629 | 13.81 | 45,726 | 13.65 | - 76 | 251,356 | 186,243 | - 35 |
| Goldeneye | 11,198 | 1.92 | 7,051 | 1.79 | - 59 | 29,540 | 30,017 | + 2 |
| Bufflehead | 17,358 | 2.97 | 12,607 | 3.21 | - 38 | 101,118 | 91,175 | - 11 |
| Ruddy duck | 280 | 0.05 | 214 | 0.05 | - 31 | 10,970 | 12,243 | + 10 |
| Scoters | 0 | 0.00 | 0 | 0.00 | 0 | 1,585 | 3,599 | + 56 |
| Hooded merganser | 8,679 | 1.49 | 7,478 | 1.91 | - 16 | 38,201 | 41,645 | + 8 |
| Other mergansers | 1,120 | 0.19 | 214 | 0.05 | - 423 | 8,139 | 7,534 | - 8 |
| Total Duck Harvest (retrieved kill) | 584,000 ± 14% | | 392,300 ±14% | | - 49 | 6,522,900 ± 6% | 6,121,500 ± 6% | - 7 |

^a Sum of all species does not equal total because of rounding error.

Table 2. Top 10 states in number of **adult duck hunters**, 2009, and number of hunter-days and retrieved duck kill, in each (from: Raftovich, R.V., K.A. Wilkins, K.D. Richkus, S.S. Williams, and H.L. Spriggs. 2010. Migratory Bird Hunting activity and harvest during the 2008 and 2009 hunting seasons: Preliminary estimates. U.S. Fish and Wildlife Service, Laurel, Maryland. USA July 2010. 63 pp). **Note:** All hunter activity and harvest estimates are preliminary, pending final counts of the number of migratory bird hunters in each state and complete audits of all survey response data.

| State | Number of active duck hunters | Duck hunter days afield | Total duck harvest | Seasonal duck harvest per hunter |
|--------------------|--------------------------------------|--------------------------------|---------------------------|---|
| Louisiana | 80,100 ± 6% | 691,400 ± 10% | 1,848,400 ± 12% | 23.1 ± 13% |
| Texas | 67,400 ± 20% | 410,200 ± 28% | 979,800 ± 20% | 14.5 ± 28% |
| Minnesota | 61,100 ± 10% | 335,800 ± 14% | 392,300 ± 14% | 6.4 ± 17% |
| Arkansas | 55,000 ± 9% | 435,600 ± 12% | 1,103,900 ± 18% | 20.1 ± 20% |
| Wisconsin | 51,500 ± 11% | 330,800 ± 11% | 322,600 ± 11% | 6.3 ± 15% |
| California | 51,300 ± 11% | 511,300 ± 16% | 1,441,200 ± 20% | 28.1 ± 23% |
| Michigan | 41,100 ± 10% | 251,100 ± 12% | 308,900 ± 13% | 7.5 ± 16% |
| Missouri | 35,200 ± 13% | 234,600 ± 21% | 398,700 ± 25% | 11.3 ± 28% |
| Illinois | 35,100 ± 10% | 317,200 ± 14% | 425,200 ± 18% | 12.1 ± 21% |
| North Dakota | 30,600 ± 7% | 165,900 ± 15% | 473,000 ± 19% | 15.5 ± 21% |
| Mississippi Flyway | | 3,455,500 ± 5% | 6,121,500 ± 6% | |
| United States | | 6,771,900 ± 4% | 13,139,800 ± 4% | |

Table 3. Top 10 states in number of **adult goose hunters**, 2009, and number of hunter-days and retrieved goose kill, in each (from: Raftovich, R.V., K.A. Wilkins, K.D. Richkus, S.S. Williams, and H.L. Spriggs. 2010. Migratory Bird Hunting activity and harvest during the 2008 and 2009 hunting seasons: Preliminary estimates. U.S. Fish and Wildlife Service, Laurel, Maryland. USA July 2010. 63 pp). **Note:** All hunter activity and harvest estimates are preliminary, pending final counts of the number of migratory bird hunters in each state and complete audits of all survey response data.

| State | Number of active goose hunters | Goose hunter days afield | Total goose harvest | Seasonal goose harvest per hunter |
|----------------------------|--------------------------------|--------------------------|---------------------|-----------------------------------|
| Minnesota | 49,100 ± 11% | 252,000 ± 16% | 147,700 ± 19% | 3.0 ± 22% |
| Wisconsin | 43,400 ± 11% | 279,200 ± 17% | 97,300 ± 20% | 2.2 ± 23% |
| Texas | 36,700 ± 23% | 108,900 ± 26% | 196,500 ± 35% | 5.4 ± 42% |
| Michigan | 35,400 ± 10% | 214,700 ± 14% | 162,300 ± 15% | 4.6 ± 18% |
| California | 33,400 ± 12% | 251,100 ± 15% | 150,300 ± 18% | 4.5 ± 20% |
| Pennsylvania | 30,500 ± 12% | 167,500 ± 16% | 169,100 ± 18% | 5.5 ± 22% |
| Illinois | 29,100 ± 11% | 223,400 ± 14% | 167,700 ± 16% | 5.8 ± 20% |
| Maryland | 24,200 ± 9% | 136,800 ± 13% | 169,700 ± 13% | 7.0 ± 16% |
| Ohio | 20,900 ± 19% | 138,900 ± 21% | 82,600 ± 18% | 4.0 ± 26% |
| North Dakota | 20,700 ± 8% | 98,200 ± 15% | 136,700 ± 37% | 6.6 ± 38% |
| Mississippi Flyway | | 1,773,900 ± 6% | 1,163,400 ± 8% | |
| United States ^b | | 3,789,800 ± 4% | 3,327,000 ± 5% | |

^b. Goose hunter statistics do not include brant hunter statistics for coastal states with brant seasons: Connecticut, Delaware, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Rhode Island, Virginia, California, Oregon, Washington, and Alaska.

HUNTER ACTIVITY AND GOOSE HARVEST DURING THE SEPTEMBER 2009 CANADA GOOSE HUNT IN MINNESOTA

David P. Rave, Wetland Wildlife Populations and Research
Margaret H. Dexter, Wildlife Policy and Research Unit
John Giudice, Biometrics Unit

The September Canada goose season in Minnesota was 5-22 September 2009 (18 days). Beginning in 2007 and continuing through 2009, a 7-day (16 - 22 Sep) experimental season addition was added in the Northwest Goose Zone (Figure 1). The U.S. Fish and Wildlife Service had approved the 7-day season extension in other goose zones in Minnesota after a 3-year experimental season from 1999-2001 (Maxson et al. 2003).

During the September season the daily bag limit was 5 Canada geese per day statewide. Shooting hours were 1/2 hour before sunrise to sunset. Taking of Canada geese was prohibited on or within 100 yards of all surface waters in the Northwest Goose Zone, in the Carlos Avery Wildlife Management Area and in the Swan Lake Area. Within the Twin Cities Metro Zone, and goose refuges open to goose hunting, hunting was not permitted from public road right-of-ways. Goose hunters were required to obtain a \$4.00 permit to participate in the September season.

This report documents results of the 2009 September goose hunter mail questionnaire survey (Appendix A).

METHODS

Permittees were randomly selected to receive a post-season hunter survey. Questionnaires were sent to 3,103 permit holders following the season. Questionnaires were individually numbered, and up to 3 questionnaires were mailed to individuals who had not responded. Completed questionnaires were double key-punched to reduce errors.

The questionnaire asked hunters which zone they hunted, number of days they hunted, and, for the season as a whole, number of geese taken and number of geese knocked down and not retrieved. Hunters were asked to indicate the number of days during the September season that they hunted over water, and not over water. Finally, the questionnaire asked whether hunters hunted in the Northwest Zone during the final week of the season (16 – 22 Sep), and how many days and how many geese they shot and retrieved during that week.

Statistical Analysis Systems (SAS Institute Inc. 1999-2001, Version 8.2) computer programs were written to summarize responses to the questionnaire survey.

RESULTS AND DISCUSSION

The DNR License Bureau reported that 35,418 Special Canada Goose Season permits were sold prior to 23 September, 2009. Response rate to the survey was 57.8%. Among those respondents, 71.1% indicated that they hunted during the September season. Following the usual pattern, the majority of the hunters indicated they hunted in the Remainder zone, followed by the West, Twin Cities Metro, Northwest, and

Southeast goose zones (Table 1). The Remainder and West zones are the largest zones (Figure 1). Active hunters were afield an average of 3.0 to 3.7 days and retrieved 2.0 to 4.4 geese, depending upon their hunt zone (Table 1). Overall, the success rate for active hunters was 64.4%.

The survey estimates that 88,381 Canada geese were harvested during the 2008 September season with approximately 62% of the harvest in the Remainder Zone and 13% in the West Zone (Table 1). This harvest pattern has remained rather consistent during the 2000-2009 September seasons (Table 2). Prior to the implementation of the Harvest Information Program, the U.S. Fish and Wildlife Service adjusted their mail survey statistics by a memory and prestige response bias factor of 0.848 for geese bagged in the Mississippi Flyway (Voelzer et al. 1982:56). Multiplying September Canada goose harvest by the adjustment factor would indicate a 2009 retrieved harvest of 74,947.

We asked hunters how many days they hunted overwater and how many days they hunted away from water. A total of 36 % of hunters statewide hunted over water, and 28% of all days spent hunting during the September season were overwater (Table 3). We did not ask how many birds were shot overwater.

Of those hunters who indicated that they hunted in the Northwest Zone, 54% reported hunting during the final week of the season, Sep 16 – 22, 2009. This equates to 543 hunters, 1295 hunter days, and a retrieved harvest of 1,692 geese during the experimental season (Sep 16 – 22) in the Northwest zone.

LITERATURE CITED

- MAXSON, S. J., J. S. LAWRENCE, and M. H. DEXTER. 2003. Final report on Minnesota's 1999-2002 experimental September Canada goose season extension. Minnesota Dept. of Natural Resources Unpubl. Report. 18 pp.
- VOELZER, J. F., E. Q. LAUXEN, S. L. RHOADES, and K. D. NORMAN, editors. 1982. Waterfowl status report 1979. U.S.D.I. Fish Wildl. Ser. Spec. Sci. Rep. - Wildl. No. 246. 96pp.

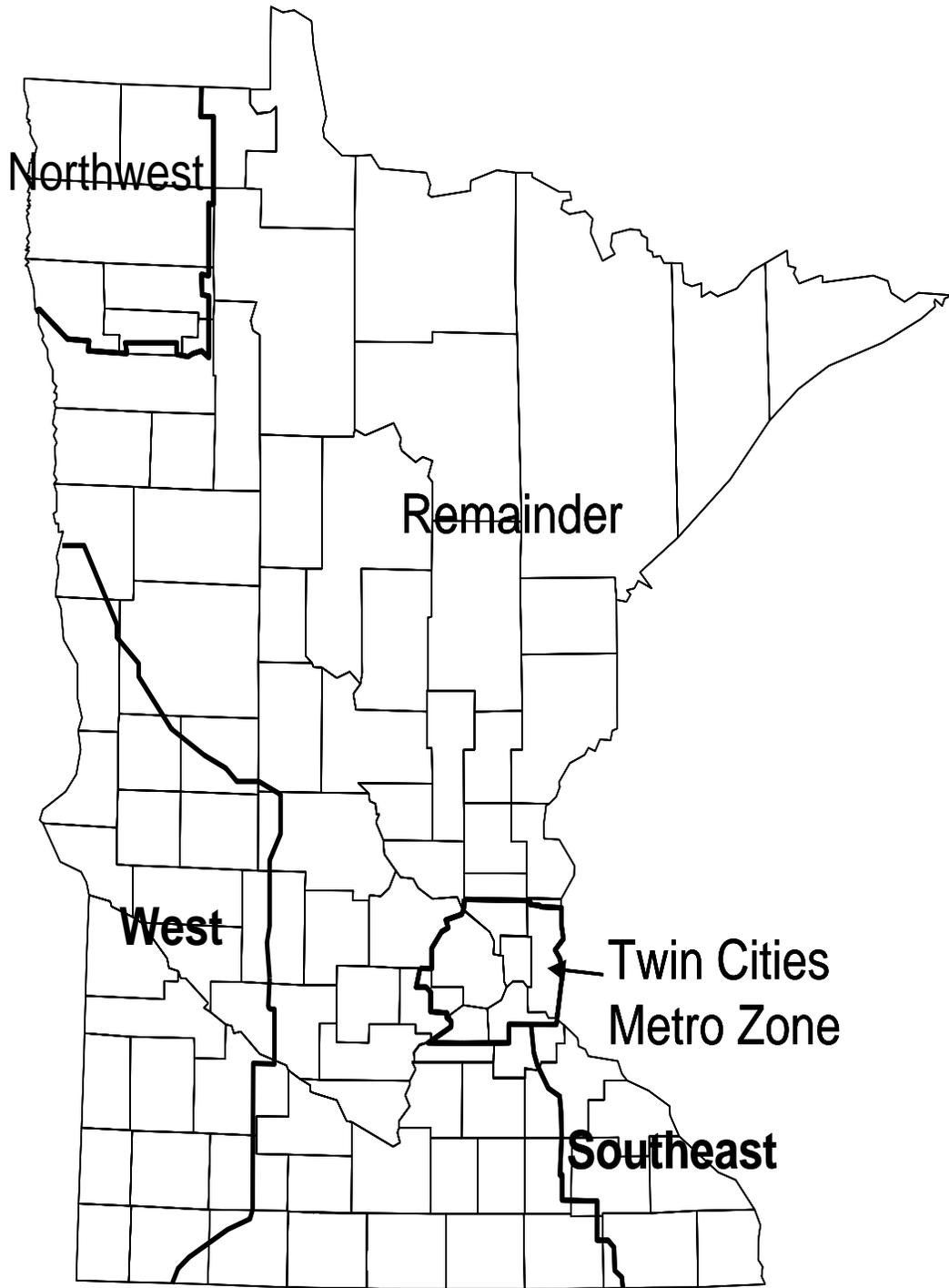


Figure 1. September season Goose Zones in Minnesota.

Table 1. Permit sales, hunter activity, and harvest^a by zone during the September Canada Goose season (5-22 September) in Minnesota, 2009.

| Parameter | Twin Cities | | | | | Total |
|--|-------------|--------|-----------|--------|-----------|---------------|
| | Northwest | West | Southeast | Metro | Remainder | |
| ALL ZONES | | | | | | |
| Total permits sold | | | | | | 35,418 |
| Questionnaires delivered | | | | | | 3,103 |
| Useable questionnaires returned | | | | | | 1,700 |
| % responding | | | | | | 57.8 |
| Active hunters | | | | | | 1,209 |
| % active hunters | | | | | | 71.1 |
| BY ZONE | | | | | | |
| % Distribution of hunters by primary hunt zone | 4.0 | 20.3 | 3.3 | 16.7 | 60.2 | 100 |
| % successful | 70.8 | 55.7 | 67.5 | 66.3 | 65.7 | 64.4 |
| Days/active hunter | 3.7 | 3.1 | 3.0 | 3.7 | 3.6 | 3.7 |
| Geese/active hunter | 4.4 | 2.0 | 2.4 | 3.0 | 3.2 | 3.1 |
| Unretrieved harvest/active | 0.65 | 0.27 | 0.45 | 0.37 | 0.41 | 0.41 |
| % unretrieved harvest | 12.7 | 11.9 | 15.7 | 10.9 | 11.4 | 11.6 |
| EXPANDED: | | | | | | |
| Active hunters | 1,001 | 5,126 | 834 | 4,209 | 15,168 | 25,189 |
| Hunter days | 3,692 | 15,879 | 2,461 | 15,649 | 54,630 | 92,298 |
| Retrieved harvest | 4,442 | 10,294 | 2,023 | 12,794 | 48,609 | 78,151 |
| Est. unretrieved harvest | 647 | 1,397 | 376 | 1,563 | 6251 | 10,230 |
| Total harvest | 5,089 | 11,690 | 2,398 | 14,357 | 54,859 | 88,381 |

^aHarvest estimates not adjusted for memory/exaggeration bias.

Table 2. Retrieved harvest estimates by zone during the September Canada Goose season in Minnesota, 2000 – 2009.

| Year | Northwest | West | Southeast | Twin Cities Metro | Remainder | Total Geese Harvested | Number of Hunters | Geese/Day/Hunter | Total Geese/Hunter |
|------|-----------|--------|-----------|-------------------|-----------|-----------------------|-------------------|------------------|--------------------|
| 2000 | 2,750 | 18,909 | 1,183 | 15,594 | 51,685 | 90,121 | 33,202 | 0.63 | 2.71 |
| 2001 | 2,047 | 27,663 | 538 | 8,164 | 62,608 | 101,021 | 28,265 | 0.82 | 3.57 |
| 2002 | 1,568 | 22,075 | 848 | 8,504 | 50,769 | 83,764 | 26,089 | 0.68 | 3.20 |
| 2003 | 2,805 | 17,779 | 2,357 | 9,890 | 48,157 | 80,988 | 30,415 | 0.74 | 2.66 |
| 2004 | 4,326 | 16,843 | 1,197 | 11,090 | 56,480 | 89,936 | 29,657 | 0.80 | 3.03 |
| 2005 | 4,888 | 15,304 | 1,717 | 11,139 | 61,218 | 94,266 | 27,865 | 0.89 | 3.38 |
| 2006 | 6,826 | 17,987 | 1,461 | 11,844 | 53,321 | 91,439 | 28,405 | 0.86 | 3.22 |
| 2007 | 7,948 | 14,952 | 1,469 | 11,702 | 58,243 | 94,314 | 25,379 | 0.91 | 3.72 |
| 2008 | 5,530 | 16,168 | 2,580 | 13,656 | 62,827 | 100,748 | 27,392 | 0.98 | 3.73 |
| 2009 | 4,442 | 10,294 | 2,023 | 12,794 | 48,609 | 78,151 | 25,189 | 0.85 | 3.10 |

Table 3. Percent of Hunters that Reported Hunting ≥ 1 Day Overwater, and percent of total days hunted overwater, during the September Canada Goose season in Minnesota, 2009.

| Zone | % of Hunters that Hunted Overwater | % of Days Spent Hunting Overwater |
|-------------------|------------------------------------|-----------------------------------|
| North West | 4.7 | 2.8 |
| South East | 56.4 | 47.0 |
| Twin Cities Metro | 39.3 | 31.7 |
| West | 39.7 | 28.3 |
| Remainder | 35.9 | 27.3 |
| All | 36.2 | 27.9 |

2009 September Special Canada Goose Season Hunter Survey

You are being asked to provide information to help us evaluate the harvest of Canada geese in Minnesota during September 5-22, 2009. Your cooperation is important. Please return this survey card even if you did not hunt Canada geese. THANK YOU! Dave Schad, Director, Division of Fish and Wildlife, MN DNR.

1. Did you hunt during the September 5-22, 2009 Special Canada Goose season?
 Yes No (Please check one.)
 If NO, please check no and return the survey. Thank you. If YES, please continue.

2. For each zone you hunted in (please see attached map), please indicate the number of days you hunted and the total number of geese you **personally** shot and retrieved (do not include information from other members in your party).

| Goose Zone/Season (see map for goose-zone boundaries) | Number of days hunted | Total geese personally shot and retrieved | Total geese personally knocked down but <u>not</u> retrieved |
|--|-----------------------|---|--|
| Northwest <i>If you hunted the Northwest Zone, please see question 4.</i> | | | |
| Southeast | | | |
| Twin Cities Metro | | | |
| West (includes West Central Zone) | | | |
| Anywhere in the Remainder of State | | | |

3. Please indicate the number of days during the 2009 Special Canada Goose season that you hunted geese:
 - a) Overwater, (e.g. with decoys floating in or along the shore of a wetland or pass shooting next to a wetland) _____ days hunted
 - b) Not overwater (e.g. field shooting) _____ days hunted

4. If you indicated that you hunted in the **Northwest Goose Zone** in question 2:

- a) Did you hunt Canada geese in the **Northwest Goose Zone** during the **last week** of the season (**Wednesday, September 16, 2009 through Tuesday, September 22, 2009**)?
 Yes No
- b) How many days did you hunt and how many geese did you personally shoot and retrieve in the **Northwest Goose Zone** during the final week of the season (**Wednesday, September 16, 2009 through Tuesday, September 22, 2009**)?
 _____ days hunted
 _____ geese harvested

If you have general comments you may write them here (continue on back if necessary). If you have questions and desire a specific response, please contact your local DNR Wildlife Office or the DNR Information Center (Minnesota DNR, 500 Lafayette Road, St. Paul, MN 55155-4020, 1-888-646-6367). Thank you.

2010 LIGHT GOOSE CONSERVATION ORDER HARVEST IN MINNESOTA

David Rave and Margaret Dexter, Wildlife Populations and Research Unit

INTRODUCTION

This report documents results of the 2010 Light Goose Conservation Order hunter mail questionnaire survey.

METHODS

Minnesota held a light goose Conservation Order harvest from 1 March - 30 April 2010. Participants were required to obtain a \$3.50 permit. No other license, stamp or permit was required. Shooting hours were 1/2 hour before sunrise to 1/2 hour after sunset. There were no daily or possession limits. Use of electronic calls and unplugged shotguns was allowed.

All permit holders were sent a questionnaire after the season. Survey questions are listed in Table 1. Second and third mailings were sent to non-respondents after one month had elapsed.

RESULTS AND DISCUSSION

A total of 952 permits was issued and 671 responses (72 %) to the questionnaire were obtained (Table 2). In calculating harvest estimates, we assumed that the 281 non-respondents participated in the conservation action and took light geese in the same manner as respondents (i.e., tallies were expanded by 1.42). Anecdotal reports suggest fewer light geese were present in Minnesota for fewer days during spring 2010 than spring 2009, which resulted in fewer hunters and less geese harvested in 2010 than 2009. Harvest was again concentrated in the southwest portion of the state with some also being taken in west-central Minnesota. Three-hundred eighty nine people attempted to take light geese during the 61-day conservation order period. Active participants pursued light geese for 1,475 days and 559 light geese were shot and retrieved. This was an average retrieved take of 1.4 geese per active participant. Another 70 light geese were reported wounded and not retrieved.

Unplugged shotguns were used by 175 (44.9%) individuals to take 348 (62.2%) geese, of which 131 (23.4%) were taken with the 4th, 5th, or 6th shell. Electronic calls were used by 191 (25.9%) participants to take 192 (34.3%) light geese. During the 1/2 hour after sunset period, 87 (15.6%) geese were harvested by 154 (39.7%) active hunters.

ACKNOWLEDGMENTS

J. Giudice, MNDNR Biometrics Unit analyzed all data for this report.

Table 1. Questions asked on Light Goose Conservation Order hunter mail questionnaire.

1. Did you hunt light geese in Minnesota during March 1 – April 30, 2010?
 2. How many days did you hunt light geese in Minnesota during March 1 – April 30, 2010?
 3. In what County did you hunt light geese most often during March 1 – April 30, 2010?
 4. How many light geese did you personally shoot and retrieve in Minnesota?
 5. How many light geese did you personally shoot, but were UNABLE to retrieve?
 6. Did you hunt light geese in Minnesota with a gun(s) that was holding more than 3 shells?
 7. If yes, how many light geese did you shoot with a gun holding more than 3 shells?
 8. How many light geese did you shoot and retrieve with the 4th, 5th, or 6th shell?
 9. Did you hunt light geese in Minnesota with the aid of an electronic caller?
 10. If yes, how many light geese did you shoot and retrieve with the aid of an electronic caller?
 11. Did you hunt light geese in Minnesota during the ½ hour after sunset period?
 12. If yes, how many light geese did you shoot and retrieve during the ½ hour after sunset period?
-

Table 2. Summary of Light Goose Conservation Order harvest in Minnesota, 2001 - 2010

| Statistic | Year | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
| Total permits sold | 1,128 | 1,997 | 1,438 | 1,424 | 1,383 | 1,363 | 1,292 | 1,406 | 1,670 | 952 |
| Useable returns | 769 | 1,375 | 1,071 | 1,095 | 998 | 955 | 921 | 910 | 1,057 | 671 |
| Response rate (%) | 68.0 | 69.0 | 74.0 | 77.0 | 72.0 | 70.0 | 71.0 | 65.0 | 63.0 | 72.3 |
| Active hunters (%) | 34.8 | 60.5 | 38.5 | 48.5 | 44.7 | 37.3 | 39.8 | 54.9 | 66.0 | 40.8 |
| Estimated total hunters | 393 | 1,209 | 553 | 690 | 618 | 516 | 514 | 773 | 1,103 | 389 |
| Estimated hunter days | 2,112 | 5,517 | 2,600 | 3,372 | 2,643 | 2,665 | 2,302 | 3,404 | 4,647 | 1,475 |
| Mean days/hunter | 5.4 | 4.6 | 4.7 | 4.9 | 4.3 | 5.2 | 4.5 | 4.4 | 4.2 | 3.8 |
| Estimated harvest (shot & retrieved) | 316 | 3,516 | 2,005 | 2,735 | 1,395 | 1,360 | 1,786 | 2,409 | 4,366 | 559 |
| Mean harvest/hunter | 0.8 | 2.9 | 3.6 | 4.0 | 2.3 | 2.6 | 3.5 | 3.1 | 4.0 | 1.4 |
| Estimated crippling losses | 19 | 637 | 253 | 315 | 150 | 163 | 172 | 302 | 640 | 70 |
| Percent of hunters using unplugged guns | 49.2 | 46.4 | 50.6 | 48.2 | 44.0 | 42.3 | 43.6 | 46.7 | 46.8 | 44.9 |
| Est. number hunters using unplugged guns | 193 | 560 | 280 | 333 | 272 | 215 | 224 | 361 | 516 | 175 |
| Est. number geese shot with unplugged guns | 129 | 2,137 | 996 | 1,385 | 777 | 689 | 1,032 | 1,275 | 2,413 | 348 |
| Est. harvest with shell 4-5-6 | 68 | 615 | 401 | 491 | 269 | 287 | 277 | 339 | 822 | 131 |
| Percent of hunters using electronic calls | 14.3 | 11.8 | 15.7 | 19.3 | 17.8 | 14.4 | 17.1 | 19.1 | 23.5 | 25.9 |
| Est. number hunters using e-calls | 56 | 142 | 87 | 133 | 110 | 73 | 88 | 148 | 260 | 101 |
| Est. harvest while using e-calls | 103 | 512 | 474 | 326 | 268 | 280 | 329 | 566 | 1,171 | 192 |
| Percent of hunters hunting 1/2-hr after sunset | 35.9 | 45.5 | 41.2 | 38.4 | 42.7 | 43.9 | 38.3 | 42.3 | 43.1 | 39.7 |
| Est. number hunting after 1/2-hr sunset | 141 | 550 | 228 | 265 | 264 | 223 | 197 | 326 | 475 | 154 |
| Est. harvest 1/2-hr after sunset | 43 | 841 | 267 | 311 | 242 | 246 | 209 | 511 | 713 | 87 |

FALL WILD TURKEY HARVEST REPORT, 2009

Eric Dunton, Farmland Wildlife Populations and Research Group

Minnesota's fall turkey hunting season is managed with a quota system similar to the spring turkey hunting season. Permits are allocated across 67 permit areas (PAs; Figure 1) during 2, 5-day time periods in PAs 156 - 467 and 1, 30-day time period in PA 601.

Three types of permits were available to hunters: (1) general lottery permits in which applicants or parties of up to 4 hunters applied for specific PA and time period, (2) landowner permits in which up to 20% of permits for each PA and time period were reserved for landowners or tenants who lived on 40 acres or more of land within the PA, and (3) surplus permits were offered in under-subscribed permit areas and time periods to hunters who applied in the lottery, but were unsuccessful. General lottery and landowner permits were made available based on a system of preference, which was determined by the number of years applicants submitted a valid, but unsuccessful application since last receiving a permit. If available, surplus permits could be purchased on a first-come, first-served basis. Permit holders were allowed to harvest 1 turkey of either sex during the fall season.

Fall turkey hunting opportunity was increased significantly since 2007 with the addition of 4,840 available permits (108% increase) and 35 new permit areas. In 2009, over 5,000 permits were issued, and hunters registered 1,163 turkeys, similar to the 2008 season (Table 1; Figure 2). Hunter success averaged 23% but varied among PAs from 0% in PAs 156, 183, 235, 450, 457, and 458 to 46% in PAs 244 and 454 (Table 2). The majority of permits issued were general lottery (94%), followed by landowner permits (4%), and surplus (2%; Tables 3 – 4).

In response to wild turkey range expansion, the number of PAs open to fall turkey hunting was increased by 35 since 2007. For the second year a 30-day season was held in PA 601 to increase hunter participation and turkey harvest in response to an increasing number of urban/nuisance complaints in the metropolitan area. The addition of 800 permits in PA 601 plus 35 new PAs accounted for 38% of the registered harvest since 2007. Expanded permit allocation in traditional PAs accounted for the remainder of the increase in the number of hunters and registered harvest. Hunter success has remained stable (range 22-24%) since 2004 (Table 1).

Table 1. Permits available and issued, applicants, registered harvest, and hunter success rates for fall wild turkey hunting seasons 1990 – 2009, Minnesota.

| Year | Permits available | Applicants | Permits issued | Registered harvest | Hunter success (%) ^a |
|------|-------------------|------------|----------------|--------------------|---------------------------------|
| 1990 | 1000 | 4522 | 951 | 326 | 34 |
| 1991 | 2200 | 2990 | 2020 | 552 | 27 |
| 1992 | 2200 | 2782 | 2028 | 588 | 29 |
| 1993 | 2400 | 3186 | 2094 | 605 | 29 |
| 1994 | 2500 | 3124 | 2106 | 601 | 29 |
| 1995 | 2500 | 3685 | 2125 | 648 | 30 |
| 1996 | 2500 | 4453 | 2289 | 685 | 30 |
| 1997 | 2580 | 4574 | 2378 | 698 | 29 |
| 1998 | 2710 | 4526 | 2483 | 828 | 33 |
| 1999 | 2890 | 5354 | 2644 | 865 | 33 |
| 2000 | 3090 | 5263 | 2484 | 735 | 30 |
| 2001 | 2870 | 4501 | 2262 | 629 | 28 |
| 2002 | 3790 | 5180 | 2945 | 594 | 20 |
| 2003 | 3870 | 5264 | 2977 | 889 | 30 |
| 2004 | 4380 | 5878 | 3277 | 758 | 23 |
| 2005 | 4410 | 4542 | 2978 | 681 | 23 |
| 2006 | 4290 | 4167 | 2802 | 618 | 22 |
| 2007 | 4490 | 4464 | 2837 | 695 | 24 |
| 2008 | 7560 | 5834 | 4981 | 1187 | 24 |
| 2009 | 9330 | 7738 | 5019 | 1163 | 23 |

^a Success rates not adjusted for non-participation.

Table 2. Permits available and issued, registered harvest, success, and historic success rates by permit area for the 2009 fall wild turkey season, Minnesota.

| Permit area | Permits | | 2009 | | Historic mean ^b | |
|-------------|-----------|--------|--------------------|--------------------------|----------------------------|----------|
| | Available | Issued | Registered harvest | Success (%) ^a | Success (%) | <i>n</i> |
| 156 | 20 | 14 | 0 | 0 | 0 | 1 |
| 157 | 100 | 74 | 14 | 19 | 21 | 2 |
| 159 | 20 | 11 | 1 | 9 | 9 | 1 |
| 183 | 10 | 9 | 0 | 0 | 0 | 1 |
| 213 | 100 | 74 | 13 | 18 | 22 | 2 |
| 214 | 200 | 114 | 42 | 37 | 34 | 2 |
| 215 | 300 | 187 | 45 | 24 | 27 | 2 |
| 218 | 200 | 133 | 33 | 25 | 25 | 1 |
| 219 | 100 | 68 | 6 | 9 | 9 | 1 |
| 221 | 200 | 86 | 19 | 22 | 21 | 2 |
| 222 | 200 | 75 | 19 | 25 | 28 | 2 |
| 223 | 200 | 128 | 26 | 20 | 19 | 2 |
| 225 | 200 | 99 | 15 | 15 | 15 | 1 |
| 227 | 300 | 119 | 31 | 26 | 25 | 3 |
| 229 | 50 | 24 | 3 | 13 | 22 | 2 |
| 235 | 20 | 11 | 0 | 0 | 0 | 1 |
| 236 | 300 | 167 | 41 | 25 | 26 | 7 |
| 239 | 300 | 170 | 56 | 33 | 26 | 2 |
| 240 | 200 | 120 | 33 | 28 | 29 | 2 |
| 241 | 20 | 15 | 6 | 40 | 40 | 1 |
| 243 | 20 | 13 | 4 | 31 | 31 | 1 |
| 244 | 40 | 28 | 13 | 46 | 46 | 1 |
| 248 | 100 | 60 | 11 | 18 | 24 | 2 |
| 249 | 100 | 50 | 8 | 16 | 19 | 2 |
| 262 | 40 | 7 | 5 | 71 | 43 | 2 |
| 338 | 200 | 154 | 43 | 28 | 24 | 7 |
| 339 | 200 | 111 | 22 | 20 | 20 | 7 |
| 341 | 500 | 267 | 72 | 27 | 26 | 7 |
| 342 | 350 | 157 | 41 | 26 | 23 | 7 |
| 343 | 300 | 224 | 51 | 23 | 27 | 7 |
| 344 | 200 | 116 | 18 | 16 | 20 | 7 |
| 345 | 200 | 56 | 8 | 14 | 18 | 7 |
| 346 | 300 | 149 | 33 | 22 | 24 | 7 |
| 347 | 200 | 98 | 19 | 19 | 25 | 7 |

Table 2. Continued

| Permit area | Permits | | 2009 | | Historic mean ^b | |
|------------------|-----------|--------|--------------------|--------------------------|----------------------------|----------|
| | Available | Issued | Registered harvest | Success (%) ^a | Success (%) | <i>n</i> |
| 348 | 250 | 144 | 31 | 22 | 25 | 7 |
| 349 | 450 | 124 | 26 | 21 | 22 | 7 |
| 412 | 40 | 19 | 8 | 42 | 38 | 2 |
| 416 | 20 | 14 | 4 | 29 | 29 | 1 |
| 417 | 30 | 23 | 5 | 22 | 22 | 1 |
| 420 | 40 | 9 | 4 | 44 | 36 | 4 |
| 422 | 50 | 29 | 15 | 52 | 45 | 4 |
| 425 | 40 | 33 | 6 | 18 | 24 | 4 |
| 427 | 20 | 6 | 1 | 17 | 17 | 1 |
| 428 | 30 | 25 | 4 | 16 | 24 | 2 |
| 431 | 20 | 9 | 4 | 44 | 23 | 4 |
| 433 | 20 | 18 | 3 | 17 | 22 | 4 |
| 440 | 20 | 16 | 5 | 31 | 39 | 2 |
| 442 | 250 | 188 | 59 | 31 | 27 | 7 |
| 443 | 100 | 59 | 8 | 14 | 17 | 7 |
| 446 | 20 | 11 | 2 | 18 | 32 | 4 |
| 447 | 20 | 14 | 3 | 21 | 12 | 4 |
| 448 | 30 | 19 | 3 | 16 | 23 | 7 |
| 449 | 30 | 15 | 3 | 20 | 29 | 6 |
| 450 | 20 | 9 | 0 | 0 | 9 | 4 |
| 451 | 20 | 5 | 1 | 20 | 20 | 1 |
| 454 | 20 | 13 | 6 | 46 | 46 | 1 |
| 457 | 20 | 7 | 0 | 0 | 0 | 1 |
| 458 | 20 | 1 | 0 | 0 | 0 | 1 |
| 459 | 20 | 12 | 1 | 8 | 3 | 2 |
| 461 | 250 | 194 | 34 | 18 | 29 | 7 |
| 462 | 240 | 169 | 31 | 18 | 25 | 7 |
| 463 | 30 | 23 | 10 | 43 | 32 | 2 |
| 464 | 80 | 39 | 5 | 13 | 24 | 7 |
| 465 | 80 | 23 | 10 | 43 | 24 | 7 |
| 466 | 160 | 90 | 25 | 28 | 28 | 7 |
| 467 | 100 | 76 | 12 | 16 | 20 | 7 |
| 601 ^c | 1000 | 395 | 83 | 21 | 22 | 7 |
| Total | 9330 | 5019 | 1163 | 23 | 24 | |

^a Success rates not adjusted for non-participation.

^b Mean success rate (%) over all fall turkey seasons (*n*) between 2003 – 2009 or since a permit area opened for fall turkey hunting.

^c Permit Area 601 consisted of 1, 30-day season.

Table 3. Permits available and issued by type, registered harvest, and success by permit area during Time Period A for the 2009 fall wild turkey season, Minnesota.

| Permit area | Permits Available | Permits issued by type | | | | Registered harvest | Success (%) ^a |
|-------------|-------------------|------------------------|-----------|---------|-------|--------------------|--------------------------|
| | | General | Landowner | Surplus | Total | | |
| 156 | 10 | 5 | 1 | 0 | 6 | 0 | 0 |
| 157 | 50 | 30 | 5 | 0 | 35 | 8 | 23 |
| 159 | 10 | 8 | 0 | 0 | 8 | 0 | 0 |
| 183 | 5 | 3 | 0 | 0 | 3 | 0 | 0 |
| 213 | 50 | 30 | 9 | 0 | 39 | 5 | 13 |
| 214 | 100 | 68 | 7 | 0 | 75 | 21 | 28 |
| 215 | 150 | 118 | 4 | 1 | 123 | 26 | 21 |
| 218 | 100 | 71 | 7 | 0 | 78 | 18 | 23 |
| 219 | 50 | 36 | 2 | 0 | 38 | 3 | 8 |
| 221 | 100 | 52 | 4 | 3 | 59 | 13 | 22 |
| 222 | 100 | 50 | 0 | 2 | 52 | 12 | 23 |
| 223 | 100 | 62 | 4 | 0 | 66 | 13 | 20 |
| 225 | 100 | 67 | 2 | 0 | 69 | 12 | 17 |
| 227 | 150 | 72 | 1 | 1 | 74 | 16 | 22 |
| 229 | 25 | 14 | 0 | 0 | 14 | 2 | 14 |
| 235 | 10 | 10 | 0 | 0 | 10 | 0 | 0 |
| 236 | 150 | 114 | 1 | 0 | 115 | 26 | 23 |
| 239 | 150 | 100 | 6 | 0 | 106 | 34 | 32 |
| 240 | 100 | 70 | 3 | 0 | 73 | 17 | 23 |
| 241 | 10 | 5 | 2 | 0 | 7 | 2 | 29 |
| 243 | 10 | 6 | 2 | 0 | 8 | 3 | 38 |
| 244 | 20 | 13 | 1 | 0 | 14 | 8 | 57 |
| 248 | 50 | 27 | 10 | 0 | 37 | 6 | 16 |
| 249 | 50 | 28 | 5 | 0 | 33 | 5 | 15 |
| 262 | 20 | 2 | 0 | 0 | 2 | 2 | 100 |
| 338 | 100 | 75 | 7 | 0 | 82 | 19 | 23 |
| 339 | 100 | 56 | 3 | 2 | 61 | 12 | 20 |
| 341 | 250 | 149 | 6 | 4 | 159 | 33 | 21 |
| 342 | 175 | 84 | 2 | 0 | 86 | 28 | 33 |
| 343 | 150 | 117 | 5 | 0 | 122 | 25 | 20 |
| 344 | 100 | 49 | 0 | 4 | 53 | 12 | 23 |
| 345 | 100 | 25 | 2 | 1 | 28 | 4 | 14 |
| 346 | 150 | 96 | 8 | 1 | 105 | 23 | 22 |
| 347 | 100 | 48 | 5 | 0 | 53 | 11 | 21 |

Table 3. Continued

| Permit area | Permits available | Permits issued by type | | | | Registered harvest | Success (%) ^a |
|-------------|-------------------|------------------------|-----------|---------|-------|--------------------|--------------------------|
| | | General | Landowner | Surplus | Total | | |
| 348 | 125 | 73 | 3 | 1 | 77 | 18 | 23 |
| 349 | 225 | 84 | 1 | 0 | 85 | 17 | 20 |
| 412 | 20 | 9 | 3 | 0 | 12 | 4 | 33 |
| 416 | 10 | 5 | 2 | 0 | 7 | 2 | 29 |
| 417 | 15 | 11 | 0 | 0 | 11 | 3 | 27 |
| 420 | 20 | 4 | 2 | 0 | 6 | 4 | 67 |
| 422 | 25 | 20 | 1 | 0 | 21 | 12 | 57 |
| 425 | 20 | 14 | 2 | 0 | 16 | 3 | 19 |
| 427 | 10 | 3 | 0 | 0 | 3 | 1 | 33 |
| 428 | 15 | 12 | 1 | 0 | 13 | 2 | 15 |
| 431 | 10 | 5 | 1 | 0 | 6 | 1 | 17 |
| 433 | 10 | 8 | 1 | 0 | 9 | 1 | 11 |
| 440 | 10 | 5 | 1 | 0 | 6 | 3 | 50 |
| 442 | 125 | 96 | 5 | 0 | 101 | 33 | 33 |
| 443 | 50 | 35 | 0 | 1 | 36 | 7 | 19 |
| 446 | 10 | 5 | 0 | 0 | 5 | 1 | 20 |
| 447 | 10 | 9 | 0 | 0 | 9 | 1 | 11 |
| 448 | 15 | 13 | 0 | 0 | 13 | 1 | 8 |
| 449 | 15 | 8 | 0 | 0 | 8 | 2 | 25 |
| 450 | 10 | 4 | 1 | 0 | 5 | 0 | 0 |
| 451 | 10 | 5 | 0 | 0 | 5 | 1 | 20 |
| 454 | 10 | 9 | 0 | 0 | 9 | 4 | 44 |
| 457 | 10 | 4 | 2 | 0 | 6 | 0 | 0 |
| 458 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 459 | 10 | 10 | 0 | 0 | 10 | 1 | 10 |
| 461 | 125 | 101 | 4 | 0 | 105 | 17 | 16 |
| 462 | 120 | 100 | 5 | 0 | 105 | 16 | 15 |
| 463 | 15 | 13 | 0 | 0 | 13 | 8 | 62 |
| 464 | 40 | 24 | 0 | 0 | 24 | 1 | 4 |
| 465 | 40 | 11 | 0 | 0 | 11 | 6 | 55 |
| 466 | 80 | 49 | 2 | 2 | 53 | 14 | 26 |
| 467 | 50 | 43 | 1 | 0 | 44 | 9 | 20 |
| Total | 4165 | 2552 | 152 | 23 | 2727 | 612 | 22 |

^a Success rates not adjusted for non-participation

Table 4. Permits available and issued by type, registered harvest, and success by permit area during Time Period B for the 2009 fall wild turkey season, Minnesota.

| Permit area | Permits available | Permits issued by type | | | | Registered harvest | Success (%) ^a |
|-------------|-------------------|------------------------|-----------|---------|-------|--------------------|--------------------------|
| | | General | Landowner | Surplus | Total | | |
| 156 | 10 | 6 | 2 | 0 | 8 | 0 | 0 |
| 157 | 50 | 38 | 1 | 0 | 39 | 6 | 15 |
| 159 | 10 | 3 | 0 | 0 | 3 | 1 | 33 |
| 183 | 5 | 5 | 1 | 0 | 6 | 0 | 0 |
| 213 | 50 | 32 | 3 | 0 | 35 | 8 | 23 |
| 214 | 100 | 34 | 3 | 2 | 39 | 21 | 54 |
| 215 | 150 | 61 | 2 | 1 | 64 | 19 | 30 |
| 218 | 100 | 48 | 7 | 0 | 55 | 15 | 27 |
| 219 | 50 | 30 | 0 | 0 | 30 | 3 | 10 |
| 221 | 100 | 25 | 1 | 1 | 27 | 6 | 22 |
| 222 | 100 | 23 | 0 | 0 | 23 | 7 | 30 |
| 223 | 100 | 58 | 0 | 4 | 62 | 13 | 21 |
| 225 | 100 | 29 | 1 | 0 | 30 | 3 | 10 |
| 227 | 150 | 41 | 2 | 2 | 45 | 15 | 33 |
| 229 | 25 | 10 | 0 | 0 | 10 | 1 | 10 |
| 235 | 10 | 1 | 0 | 0 | 1 | 0 | 0 |
| 236 | 150 | 47 | 1 | 4 | 52 | 15 | 29 |
| 239 | 150 | 56 | 3 | 5 | 64 | 22 | 34 |
| 240 | 100 | 38 | 2 | 7 | 47 | 16 | 34 |
| 241 | 10 | 7 | 1 | 0 | 8 | 4 | 50 |
| 243 | 10 | 5 | 0 | 0 | 5 | 1 | 20 |
| 244 | 20 | 14 | 0 | 0 | 14 | 5 | 36 |
| 248 | 50 | 21 | 0 | 2 | 23 | 5 | 22 |
| 249 | 50 | 17 | 0 | 0 | 17 | 3 | 18 |
| 262 | 20 | 5 | 0 | 0 | 5 | 3 | 60 |
| 338 | 100 | 69 | 2 | 1 | 72 | 24 | 33 |
| 339 | 100 | 46 | 0 | 4 | 50 | 10 | 20 |
| 341 | 250 | 106 | 1 | 1 | 108 | 39 | 36 |
| 342 | 175 | 70 | 0 | 1 | 71 | 13 | 18 |
| 343 | 150 | 96 | 4 | 2 | 102 | 26 | 25 |
| 344 | 100 | 58 | 2 | 3 | 63 | 6 | 10 |
| 345 | 100 | 24 | 1 | 3 | 28 | 4 | 14 |
| 346 | 150 | 42 | 0 | 2 | 44 | 10 | 23 |
| 347 | 100 | 44 | 1 | 0 | 45 | 8 | 18 |

Table 4. Continued

| Permit area | Permits available | Permits issued by type | | | | Registered harvest | Success (%) ^a |
|-------------|-------------------|------------------------|-----------|---------|-------|--------------------|--------------------------|
| | | General | Landowner | Surplus | Total | | |
| 348 | 125 | 65 | 2 | 0 | 67 | 13 | 19 |
| 349 | 225 | 39 | 0 | 0 | 39 | 9 | 23 |
| 412 | 20 | 7 | 0 | 0 | 7 | 4 | 57 |
| 416 | 10 | 7 | 0 | 0 | 7 | 2 | 29 |
| 417 | 15 | 10 | 2 | 0 | 12 | 2 | 17 |
| 420 | 20 | 3 | 0 | 0 | 3 | 0 | 0 |
| 422 | 25 | 8 | 0 | 0 | 8 | 3 | 38 |
| 425 | 20 | 17 | 0 | 0 | 17 | 3 | 18 |
| 427 | 10 | 3 | 0 | 0 | 3 | 0 | 0 |
| 428 | 15 | 11 | 1 | 0 | 12 | 2 | 17 |
| 431 | 10 | 3 | 0 | 0 | 3 | 3 | 100 |
| 433 | 10 | 9 | 0 | 0 | 9 | 2 | 22 |
| 440 | 10 | 7 | 3 | 0 | 10 | 2 | 20 |
| 442 | 125 | 82 | 5 | 0 | 87 | 26 | 30 |
| 443 | 50 | 23 | 0 | 0 | 23 | 1 | 4 |
| 446 | 10 | 4 | 2 | 0 | 6 | 1 | 17 |
| 447 | 10 | 5 | 0 | 0 | 5 | 2 | 40 |
| 448 | 15 | 6 | 0 | 0 | 6 | 2 | 33 |
| 449 | 15 | 7 | 0 | 0 | 7 | 1 | 14 |
| 450 | 10 | 4 | 0 | 0 | 4 | 0 | 0 |
| 451 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 454 | 10 | 4 | 0 | 0 | 4 | 2 | 50 |
| 457 | 10 | 1 | 0 | 0 | 1 | 0 | 0 |
| 458 | 10 | 1 | 0 | 0 | 1 | 0 | 0 |
| 459 | 10 | 2 | 0 | 0 | 2 | 0 | 0 |
| 461 | 125 | 86 | 3 | 0 | 89 | 17 | 19 |
| 462 | 120 | 62 | 2 | 0 | 64 | 15 | 23 |
| 463 | 15 | 10 | 0 | 0 | 10 | 2 | 20 |
| 464 | 40 | 15 | 0 | 0 | 15 | 4 | 27 |
| 465 | 40 | 9 | 0 | 3 | 12 | 4 | 33 |
| 466 | 80 | 33 | 1 | 3 | 37 | 11 | 30 |
| 467 | 50 | 28 | 3 | 1 | 32 | 3 | 9 |
| Total | 4165 | 1780 | 65 | 52 | 1897 | 468 | 25 |

^a Success rates not adjusted for non-participation

2009 Permit Areas (PAs) Open to Turkey Hunting

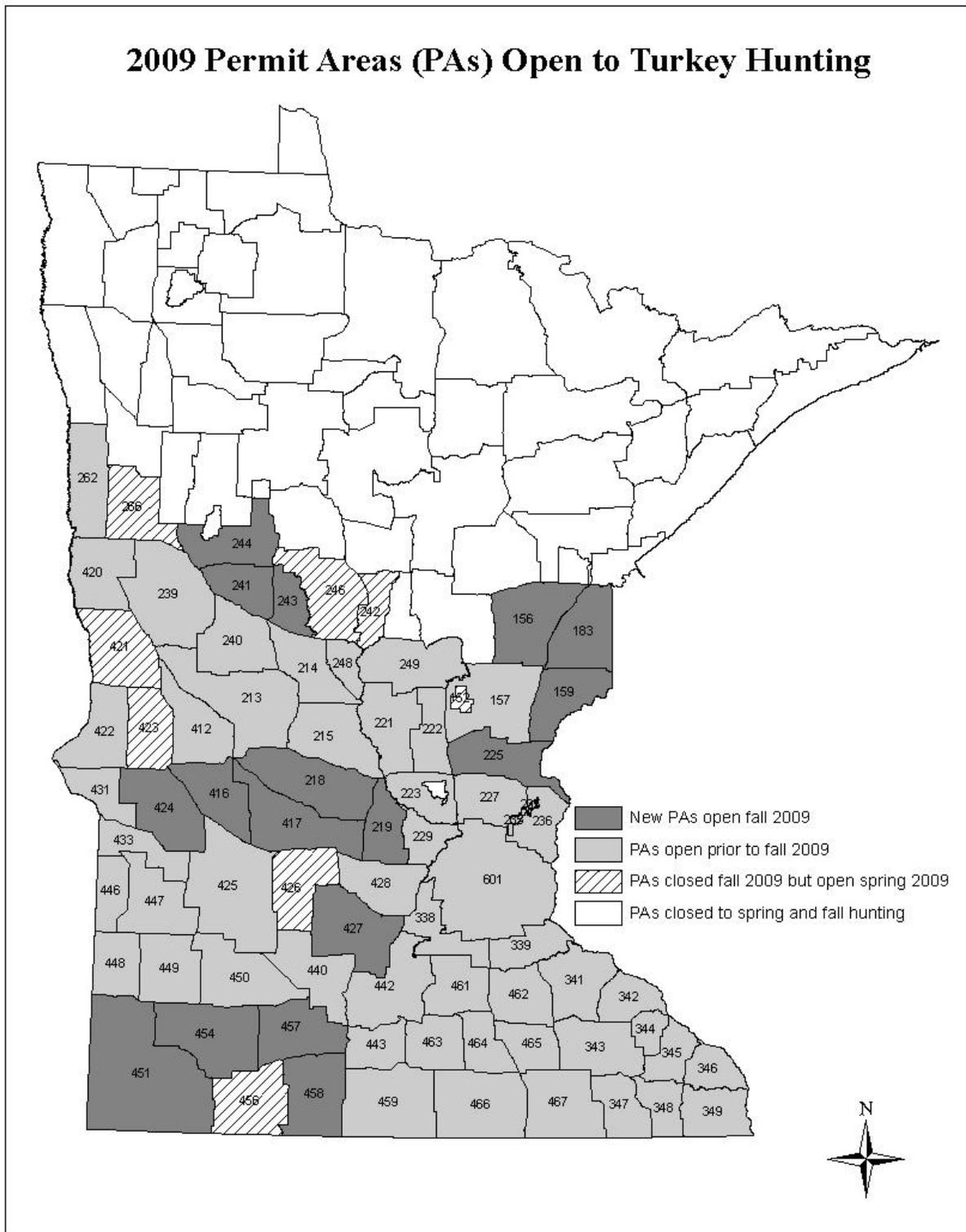


Figure 1. Permit Areas (PAs) open to hunting for the 2009 fall turkey hunting season, Minnesota.

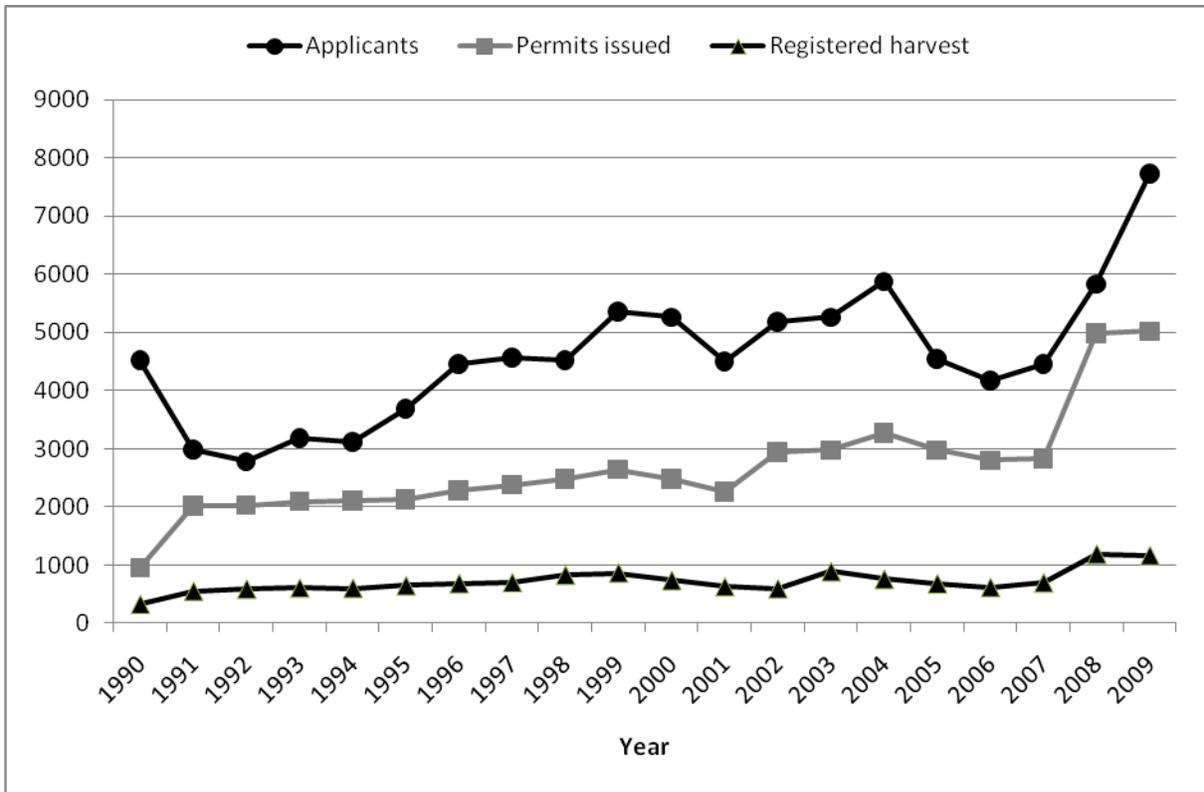


Figure 2. Applicants, permits issued, and registered harvest for fall wild turkey seasons 1990 – 2009, Minnesota.

SPRING 2010 WILD TURKEY HARVEST REPORT

Eric Dunton, Farmland Wildlife Populations and Research Group

In Minnesota, the spring wild turkey hunting season is designed to regulate harvest and distribute hunting pressure by allocating permits across 77 permit areas (PAs, Figure 1) and 8 time periods using a quota system. Hunters interested in pursuing wild turkeys were required to apply for a permit through a drawing based on a system of preference. Preference is determined by the number of years a valid but unsuccessful application has been submitted since last receiving a permit. Hunters may apply individually or in a group of up to 4 hunters. Successful applicants are notified through mail, and unsuccessful applicants are awarded a preference point. The goal of this system is to provide quality turkey hunting opportunities where turkey populations can sustain harvest.

For the 2010 spring hunting season there were 4 notable regulation changes: (1) all youth age 17 and younger by April 14, 2010 could purchase a youth permit over the counter to hunt any single time period and permit area of their choice; (2) hunters had the option to register their turkey over the phone, using the internet, or at a registration station; (3) the second choice option was eliminated from the application; and (4) the number of permits available for the last 2 time periods (G and H) was increased by 110% from 10,582 (2009) to 22,250 (2010). All surplus licenses remaining after the drawing were offered over the counter in mid-March on a first-come, first-served basis.

Eight types of hunting licenses were available to resident turkey hunters: (1) general lottery permit in which an applicant or a group of up to 4 hunters applied for a specific PA and time period; (2) landowner permit in which up to 20% of permits for each PA and time period were reserved for landowners or tenants who lived on 40 acres or more of land within the PA; (3) youth permit; (4) archery permit which could be purchased for the last 2 time periods of any PA with 50 or more permits per period; (5) youth archery; (6) surplus permits; (7) youth surplus; and (8) military permit.

During 2010 we received 51,312 applications for 55,982 permits (Table 1, Figure 2). More than 46,500 general lottery, landowner, youth, and surplus permits were issued to hunters, and more than 2,900 additional permits were issued to archers (Table 1). Hunters registered almost 13,500 turkeys, an increase of 10% from 2009 and the highest turkey harvest on record (Table 1, Figure 2). Hunter success averaged 29% (Table 1), which is below the 5-year average of 32%. Hunter success by PA ranged from 13% (PA 459) to 40% (PA 422; Table 2). Hunter success varied by license type from 7% (archery) to 31% (youth), 36% (general lottery and landowner), and 42% (surplus). Similar to the 10-year average, hunter success rates were highest during the first 2 time periods (Table 3). The majority of general lottery (71%), landowner (92%), and youth (79%) permits were issued during time periods A – D, while the majority of surplus permits (98%) were issued during time periods E – H (Table 4). The 8,490 permits issued to resident and non-resident youth hunters (general lottery, surplus, archery, and mentored) in 2010 was a 69% increase over the 5,024 youth permits issued in 2009. Approximately 10% (1,398) of harvested turkeys were registered using the phone registration system, 12% (1,662) through the internet, and 77% (10,407) at a registration station.

Among turkey management units (TMU), success rates in 2010 were relatively uniform (range 26-32%) except in TMUs A and B, which were slightly lower (23%, Table 5). A plot of success rates in TMUs A and B suggests that populations appear to be fluctuating around a stable mean or declining slowly (Figure 3). Success rates during 2010 declined from the average in all TMUs (Table 5, Figure 3). Although the uniform decline in success rates in 2010 may be an artifact of the unusually large increase in permits issued in 2010 (Figure 2), the trend in hunter success should be carefully monitored into the future.

Overall weather conditions for the 2010 spring turkey hunting season were favorable across much of the turkey range in Minnesota. April and May were relatively dry across much of Minnesota, except for the Red River Valley where major flooding occurred in late March and continued through April (Minnesota Climatology Working Group 2010). April temperatures were above average and May temperatures were near historic averages (Minnesota Climatology Working Group 2010). Although favorable weather generally contributes to increased harvest, the continued increase in harvest can be partially attributed to the increase in the number of permits available (i.e., 32% overall increase in the number of permits available with the majority of increase in time Periods G and H and a 10% increase in registered harvest) from 2009, 1 new PA open to hunting (PA 247), and youth hunters being able to purchase permits over the counter. Increased permits and permit areas resulted in more opportunities for hunters to harvest turkeys.

LITERATURE CITED

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MINNESOTA CLIMATOLOGY WORKING GROUP. 2010. Climate journal. <http://climate.umn.edu/> Accessed 8 July 2010.

Table 1. Spring applicants, permits available and issued, and registered harvest from 1978 – 2010 for all spring wild turkey hunting seasons, Minnesota.

| Year | Applicants | Permits | | | Registered harvest | Success (%) ^a |
|-------------------|------------|-----------|---------------------|------------|--------------------|--------------------------|
| | | Available | Issued | Issued (%) | | |
| 1978 | 10,740 | 420 | 411 | 97.9 | 94 | 22.9 |
| 1979 | 11,116 | 840 | 827 | 98.5 | 116 | 14.0 |
| 1980 | 9,613 | 1,200 | 1,191 | 99.3 | 98 | 8.2 |
| 1981 | 8,398 | 1,500 | 1,437 | 95.8 | 113 | 7.9 |
| 1982 | 7,223 | 2,000 | 1,992 | 99.6 | 106 | 5.3 |
| 1983 | 8,153 | 2,100 | 2,079 | 99.0 | 116 | 5.6 |
| 1984 | 7,123 | 3,000 | 2,837 | 94.6 | 178 | 6.3 |
| 1985 | 5,662 | 2,750 | 2,449 | 89.1 | 323 | 13.2 |
| 1986 | 5,715 | 2,500 | 2,251 | 90.0 | 333 | 14.8 |
| 1987 | 6,361 | 2,700 | 2,520 | 93.3 | 520 | 20.6 |
| 1988 | 8,402 | 3,000 | 2,994 | 99.8 | 674 | 22.5 |
| 1989 | 13,007 | 4,000 | 3,821 | 95.5 | 930 | 24.3 |
| 1990 | 14,326 | 6,600 | 6,126 | 92.8 | 1,709 | 27.9 |
| 1991 | 15,918 | 9,170 | 8,607 | 93.9 | 1,724 | 20.0 |
| 1992 | 16,401 | 9,310 | 9,051 | 97.2 | 1,691 | 18.7 |
| 1993 | 17,800 | 9,625 | 9,265 | 96.3 | 2,082 | 22.5 |
| 1994 | 19,853 | 9,940 | 9,479 | 95.4 | 1,975 | 20.8 |
| 1995 | 21,345 | 9,975 | 9,550 | 95.7 | 2,339 | 24.5 |
| 1996 | 23,757 | 12,131 | 10,983 | 90.5 | 2,841 | 25.9 |
| 1997 | 25,958 | 12,530 | 11,610 | 92.7 | 3,302 | 28.4 |
| 1998 | 29,727 | 14,035 | 13,229 | 94.3 | 4,361 | 33.0 |
| 1999 | 39,957 | 18,360 | 16,387 | 89.3 | 5,132 | 31.3 |
| 2000 | 42,022 | 20,160 | 18,661 | 92.6 | 6,154 | 33.0 |
| 2001 | 41,048 | 22,936 | 21,404 | 93.3 | 6,383 | 29.8 |
| 2002 | 42,415 | 24,136 | 22,607 | 93.7 | 6,516 | 28.8 |
| 2003 | 44,415 | 25,016 | 22,770 | 91.0 | 7,666 | 33.7 |
| 2004 | 48,059 | 27,600 | 25,261 | 91.5 | 8,434 | 33.4 |
| 2005 | 49,181 | 31,748 | 27,638 | 87.1 | 7,800 | 28.2 |
| 2006 | 45,704 | 32,624 | 27,876 | 85.4 | 8,241 | 29.6 |
| 2007 ^b | 52,566 | 33,976 | 28,320 | 83.4 | 9,412 | 33.2 |
| 2008 ^b | 51,000 | 37,992 | 31,942 | 84.1 | 10,994 | 34.4 |
| 2009 ^b | 57,692 | 42,328 | 36,193 | 85.5 | 12,210 | 33.7 |
| 2010 ^b | 51,312 | 55,982 | 46,548 ^c | 83.0 | 13,467 | 29.0 |

^a Success rates not adjusted for non-participation

^b Youth hunt data included

^c 2,910 permits were issued to archery hunters and are not included in this figure.

Table 2. Permits available and issued, registered harvest, success, and historic success rates by permit area for the 2010 spring wild turkey season, Minnesota.

| Permit area | Permits | | 2010 | | Historic mean ^d | |
|------------------|-----------|---------------------|---------------------------------|--------------------------|----------------------------|----------|
| | Available | Issued ^a | Registered harvest ^b | Success (%) ^c | Success (%) | <i>n</i> |
| 152 | 80 | 46 | 16 | 35 | 31 | 2 |
| 156 | 150 | 176 | 57 | 32 | 47 | 2 |
| 157 | 650 | 738 | 247 | 33 | 46 | 6 |
| 159 | 240 | 259 | 63 | 24 | 36 | 6 |
| 183 | 80 | 83 | 12 | 14 | 29 | 2 |
| 213 | 1000 | 1045 | 313 | 30 | 46 | 3 |
| 214 | 1000 | 784 | 259 | 33 | 38 | 6 |
| 215 | 1180 | 1224 | 365 | 30 | 43 | 11 |
| 218 | 1120 | 1262 | 442 | 35 | 50 | 3 |
| 219 | 590 | 670 | 194 | 29 | 31 | 11 |
| 221 | 700 | 678 | 222 | 33 | 51 | 5 |
| 222 | 630 | 532 | 148 | 28 | 44 | 5 |
| 223 | 1000 | 1076 | 314 | 29 | 36 | 11 |
| 225 | 1440 | 1216 | 309 | 25 | 27 | 11 |
| 227 | 1400 | 1252 | 333 | 27 | 34 | 11 |
| 229 | 470 | 396 | 90 | 23 | 25 | 10 |
| 235 | 240 | 220 | 46 | 21 | 34 | 11 |
| 236 | 1560 | 1277 | 398 | 31 | 39 | 11 |
| 239 | 1310 | 1294 | 363 | 28 | 43 | 8 |
| 240 | 1160 | 957 | 320 | 33 | 40 | 5 |
| 241 | 360 | 294 | 84 | 29 | 42 | 2 |
| 242 | 80 | 38 | 12 | 32 | 38 | 1 |
| 243 | 240 | 226 | 72 | 32 | 40 | 2 |
| 244 | 500 | 496 | 146 | 29 | 34 | 8 |
| 246 | 300 | 353 | 111 | 31 | 59 | 1 |
| 247 ^e | 80 | 74 | 25 | 34 | 0 | 0 |
| 248 | 580 | 385 | 110 | 29 | 43 | 6 |
| 249 | 560 | 543 | 160 | 29 | 32 | 7 |
| 262 | 180 | 80 | 24 | 30 | 44 | 2 |
| 266 | 180 | 57 | 14 | 25 | 64 | 1 |
| 338 | 1100 | 1017 | 298 | 29 | 33 | 9 |
| 339 | 1070 | 913 | 269 | 29 | 35 | 9 |
| 341 | 2210 | 2105 | 646 | 31 | 34 | 9 |
| 342 | 2150 | 1396 | 375 | 27 | 27 | 9 |
| 343 | 2000 | 1875 | 646 | 34 | 41 | 9 |
| 344 | 1250 | 1001 | 229 | 23 | 27 | 11 |

Table 2. Continued

| Permit area | Permits | | 2010 | | Historic mean ^d | |
|-------------|-----------|---------------------|---------------------------------|--------------------------|----------------------------|----------|
| | Available | Issued ^a | Registered harvest ^b | Success (%) ^c | Success (%) | <i>n</i> |
| 345 | 1500 | 915 | 206 | 23 | 22 | 9 |
| 346 | 2600 | 1565 | 413 | 26 | 25 | 11 |
| 347 | 1500 | 1114 | 278 | 25 | 27 | 9 |
| 348 | 1650 | 1231 | 273 | 22 | 25 | 9 |
| 349 | 3600 | 2372 | 513 | 22 | 24 | 11 |
| 412 | 560 | 486 | 137 | 28 | 42 | 3 |
| 416 | 240 | 248 | 72 | 29 | 39 | 10 |
| 417 | 630 | 701 | 222 | 32 | 43 | 3 |
| 420 | 180 | 74 | 18 | 24 | 37 | 6 |
| 421 | 112 | 29 | 6 | 21 | 35 | 2 |
| 422 | 380 | 167 | 66 | 40 | 46 | 11 |
| 423 | 80 | 13 | 2 | 15 | 21 | 2 |
| 424 | 140 | 62 | 15 | 24 | 32 | 5 |
| 425 | 590 | 684 | 202 | 30 | 39 | 6 |
| 426 | 80 | 39 | 12 | 31 | 24 | 9 |
| 427 | 180 | 146 | 45 | 31 | 34 | 9 |
| 428 | 540 | 377 | 124 | 33 | 43 | 9 |
| 431 | 180 | 112 | 37 | 33 | 41 | 11 |
| 433 | 240 | 204 | 43 | 21 | 51 | 6 |
| 440 | 750 | 643 | 209 | 33 | 32 | 11 |
| 442 | 1590 | 1554 | 504 | 32 | 35 | 11 |
| 443 | 910 | 592 | 156 | 26 | 32 | 11 |
| 446 | 140 | 109 | 31 | 28 | 39 | 5 |
| 447 | 140 | 78 | 17 | 22 | 27 | 5 |
| 448 | 180 | 128 | 35 | 27 | 52 | 6 |
| 449 | 180 | 183 | 65 | 36 | 47 | 6 |
| 450 | 180 | 101 | 32 | 32 | 29 | 11 |
| 451 | 240 | 124 | 25 | 20 | 47 | 7 |
| 454 | 80 | 87 | 29 | 33 | 34 | 5 |
| 456 | 80 | 28 | 5 | 18 | 11 | 5 |
| 457 | 180 | 98 | 27 | 28 | 35 | 11 |
| 458 | 140 | 49 | 16 | 33 | 30 | 5 |
| 459 | 300 | 220 | 28 | 13 | 25 | 11 |
| 461 | 1280 | 1159 | 380 | 33 | 34 | 11 |
| 462 | 1350 | 1011 | 367 | 36 | 37 | 9 |

Table 2. Continued

| Permit area | Permits | | 2010 | | Historic mean ^d | |
|-------------|-----------|---------------------|---------------------------------|--------------------------|----------------------------|----------|
| | Available | Issued ^a | Registered harvest ^b | Success (%) ^c | Success (%) | <i>n</i> |
| 463 | 350 | 301 | 67 | 22 | 30 | 11 |
| 464 | 470 | 349 | 92 | 26 | 29 | 9 |
| 465 | 470 | 279 | 83 | 30 | 28 | 9 |
| 466 | 910 | 594 | 150 | 25 | 32 | 8 |
| 467 | 690 | 555 | 135 | 24 | 35 | 8 |
| 601 | 1550 | 1632 | 557 | 34 | 39 | 10 |

^a 2,910 permits were issued to archery hunters and 97 permits were issued for the Camp Ripley disabled veterans hunt and are not included in these figures

^b 41 turkeys were registered from the Camp Ripley disabled veterans hunt and are not included in these figures

^c Success rates not adjusted for non-participants

^d Mean success rate (%) over all spring turkey seasons (*n*) between 1999 – 2009 or since a permit area boundary change occurred.

^e New permits area for the 2010 spring season

Table 3. Permits available and issued, registered harvest, and success (2010 and mean) by time period for the 2010 spring wild turkey season, Minnesota.

| Time period ^a | Permits | | 2010 | | 2000 – 2009 Mean success (%) |
|-----------------------------|-----------|--------|--------------------|--------------------------|---------------------------------|
| | Available | Issued | Registered harvest | Success (%) ^b | |
| A | 5622 | 7910 | 3180 | 40 | 43 |
| B | 5622 | 5298 | 1903 | 36 | 39 |
| C | 5622 | 6942 | 2107 | 30 | 31 |
| D | 5622 | 6282 | 1711 | 27 | 29 |
| E | 5622 | 5353 | 1484 | 28 | 33 |
| F | 5622 | 4327 | 898 | 21 | 29 |
| G | 11125 | 7085 | 1502 | 21 | 25 |
| H | 11125 | 3254 | 634 | 19 | 24 |
| Youth hunt ^c | | | | | |
| Z | | 12 | 7 | 58 | |
| Camp Ripley ^d | | | | | |
| 802A | | 6 | 5 | 83 | |
| 801B | | 33 | 11 | 33 | |
| 802B | | 3 | 1 | 33 | |
| 801C | | 43 | 24 | 56 | |

^a A = April 14 – 18, B = April 19 – 23, C = April 24 – 28, D = April 29 – May 3, E = May 4 – 8, F = May 9 – 13, G = May 14 – 20, and H = May 21 – 27

^b Success rates not adjusted for non-participants

^c In 2010 mentored youth hunts are coded to time period A due to regulation change which allowed youth hunters to purchase permits over the counter

^d Disabled veterans hunt

Table 4. Permits available and issued by license type (resident and non-resident) and time period for the spring 2010 wild turkey season, Minnesota.

| Time period | Permits available | Permits issued | | | |
|--------------------|-------------------|-----------------|-----------|---------|--------------------|
| | | General lottery | Landowner | Surplus | Youth ^b |
| A | 5622 | 4315 | 690 | 35 | 2870 |
| B | 5622 | 4430 | 376 | 88 | 404 |
| C | 5622 | 4525 | 378 | 44 | 1995 |
| D | 5622 | 4609 | 194 | 60 | 1419 |
| E | 5622 | 2674 | 53 | 2225 | 401 |
| F | 5622 | 1422 | 23 | 2611 | 271 |
| G | 11125 | 2557 | 46 | 3731 | 751 |
| H | 11125 | 767 | 17 | 2103 | 367 |
| Total ^a | 55982 | 25299 | 1777 | 10897 | 8478 |

^aTotal excludes 97 permits issued for the Camp Ripley disabled veterans hunt

^bTotal excludes 12 permits issued for a mentored youth hunt in PA 343 (Time Period Z)

Table 5. Permits available and issued, registered harvest, success (2010 and mean), and mean finite rate of population change (Dunton and Snyders 2009) by Turkey Management Unit (TMU) for the 2010 spring wild turkey season, Minnesota.

| TMU ^{a,b} | Permits | | 2010 | | Mean success ^e | | Mean finite rate of change ^f | |
|--------------------|-----------|---------------------|---------------------------------|-------------|---------------------------|----------|---|---------------------|
| | Available | Issued ^d | Registered harvest ^d | Success (%) | % | <i>n</i> | λ | 99% CI ^g |
| A | 9350 | 6083 | 1405 | 23 | 24 | 9 | 0.99* | (0.94, 1.04) |
| B | 1250 | 1001 | 229 | 23 | 27 | 11 | 0.98 | (0.89, 1.07) |
| C | 7860 | 6490 | 1945 | 30 | 32 | 9 | 0.99 | (0.91, 1.09) |
| D | 5850 | 5398 | 1632 | 30 | 36 | 9 | 1.06* | (1.04, 1.07) |
| E | 2640 | 2518 | 704 | 28 | 33 | 2 | 1.15* | (1.09, 1.20) |
| F | 6590 | 5161 | 1543 | 30 | 35 | 8 | 1.03 | (0.96, 1.12) |
| G | 1840 | 1205 | 310 | 26 | 33 | 5 | 1.07* | (1.02, 1.11) |
| H | 4260 | 3789 | 1151 | 30 | 34 | 6 | 1.03 | (0.95, 1.13) |
| I | 800 | 562 | 181 | 32 | 37 | 9 | 1.08 | (0.99, 1.19) |
| J | 3050 | 2941 | 881 | 30 | 40 | 1 | 1.11 | (0.96, 1.30) |
| K | 3990 | 4253 | 1313 | 31 | 43 | 3 | 1.09 | (0.99, 1.20) |
| L | 3110 | 3073 | 885 | 29 | 43 | 3 | 1.15 | (0.91, 1.45) |
| M | 892 | 345 | 107 | 31 | 36 | 2 | 1.18 | (1.01, 1.37) |
| N | 4140 | 3495 | 1102 | 32 | 39 | 1 | 1.18 | (0.93, 1.51) |
| O | 360 | 137 | 38 | 28 | 48 | 1 | 1.17 | (0.70, 1.97) |
| P ^c | - | - | - | - | - | - | 1.12 | - |

^a TMU A = permit areas (345, 346, 348, 349), TMU B = permit area (344), TMU C = permit areas (341, 342, 343, 347), TMU D = permit areas (227, 235, 236, 338, 601), TMU E = permit areas (152, 156, 157, 159, 183, 225), TMU F = permit areas (339, 461, 462, 464, 465, 466, 467), TMU G = permit areas (446, 447, 448, 449, 450, 451, 454, 456, 457, 458, 459), TMU H = permit areas (431, 433, 435, 440, 442, 443), TMU I = permit areas (425, 426, 427, 428), TMU J = permit areas (154, 221, 222, 223, 224, 242, 247, 249), TMU K = permit areas (215, 218, 219, 229, 417), TMU L = permit areas (213, 239, 412, 416), TMU M = permit areas (420, 421, 422, 423, 424), TMU N = permit areas (214, 240, 241, 243, 244, 245, 246, 248), TMU O = permit areas (201, 208, 209, 210, 251, 256, 257, 260, 261, 262, 263, 264, 265, 266, 267, 268, 298), TMU P = permit areas (170, 172, 174, 181, 182, 184, 197, 199, 287).

^b Not all permit areas in a TMU are open to spring hunting

^c TMU P currently does not have any permit areas open for spring hunting

^d Total excludes 97 permits issued and 41 turkeys registered from the Camp Ripley disabled veterans hunt

^e Mean success rate based on consecutive number of years hunting in permit area since a boundary change occurred or area was opened to hunting. Mean success rate based on areas open to hunting, which may not represent all permit areas within a TMU.

^f Mean finite rate of change based on fall wild turkey population survey data (1999-2008 [*n* = 4 surveys]), TMU P based on 2 surveys.

^g 85% family of confidence intervals (type I error rate controlled at $\alpha = 0.15$).

*Desired level of precision achieved

2010 Spring Wild Turkey Permit Areas

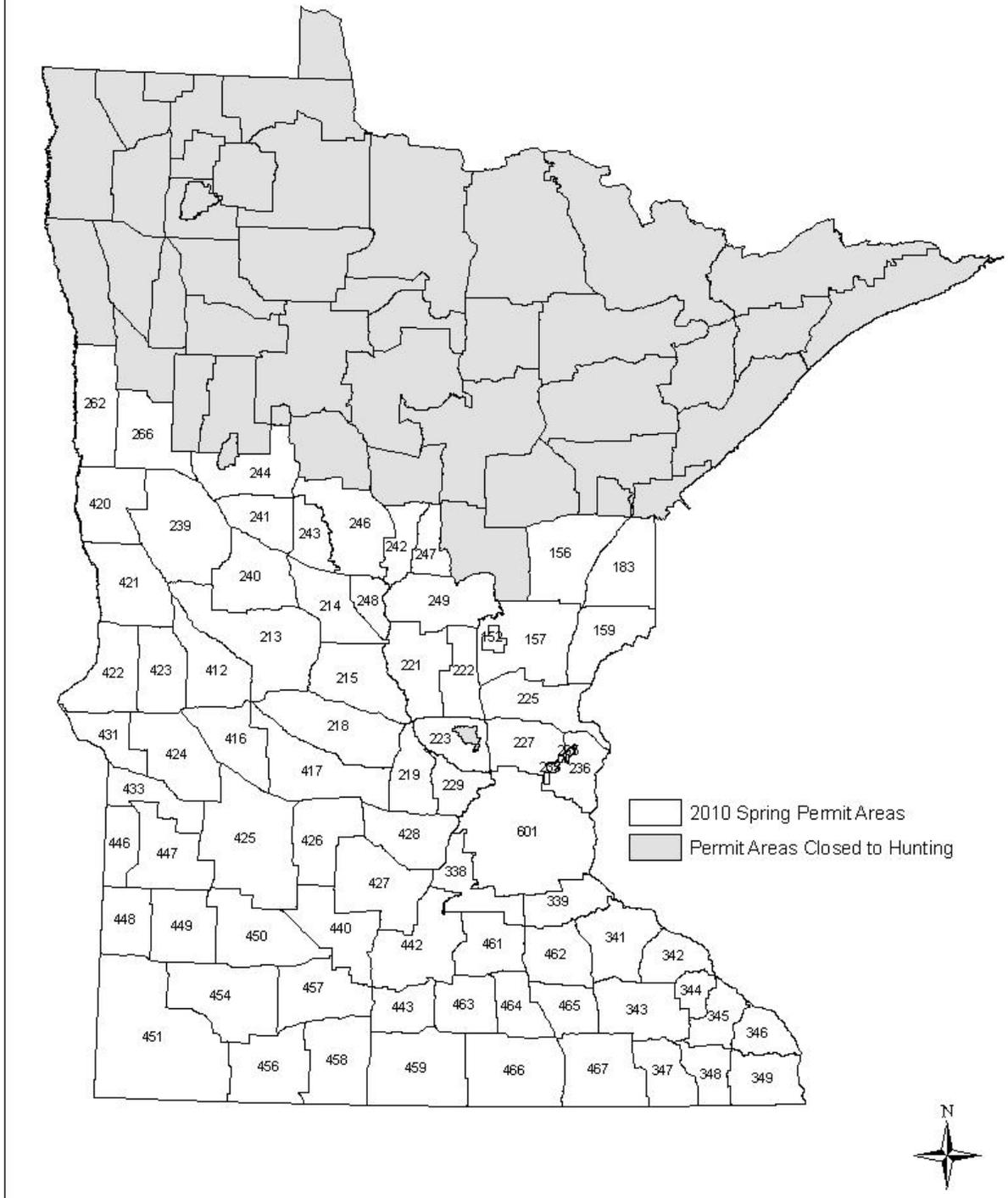


Figure 1. Permit areas open for hunting during the 2010 spring turkey hunting season, Minnesota.

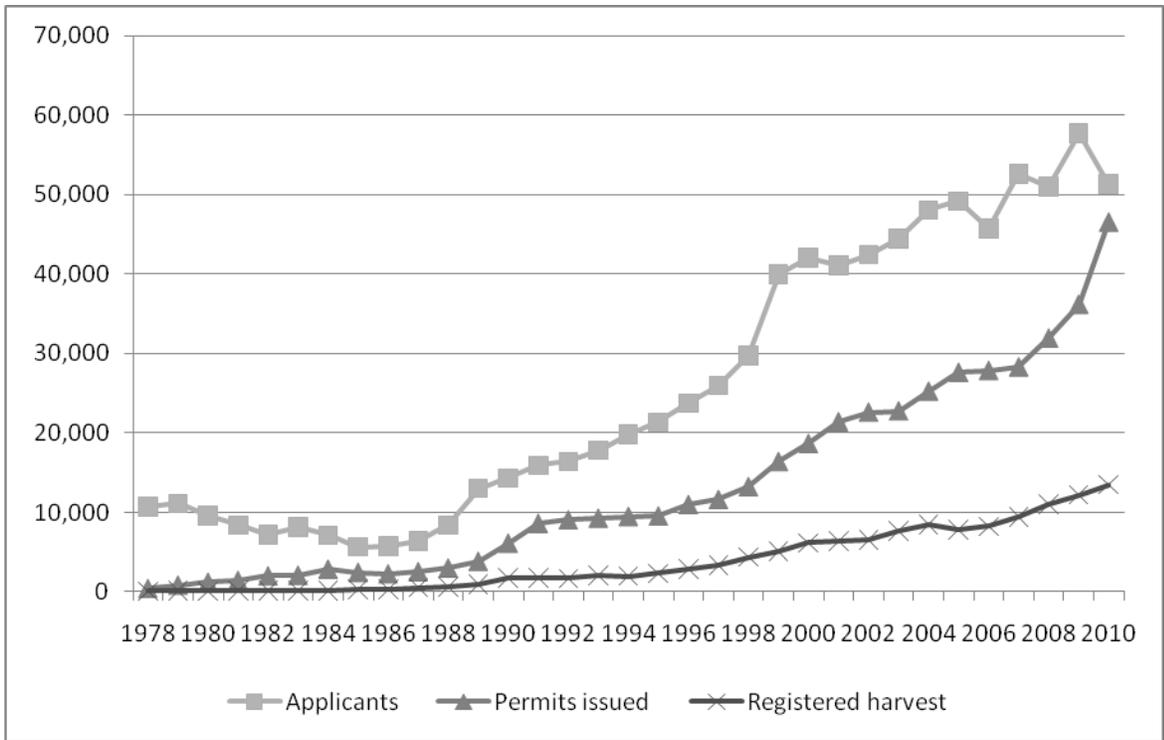


Figure 2. Applicants, permits issued, and registered harvest for the spring wild turkey seasons 1978-2010, Minnesota.

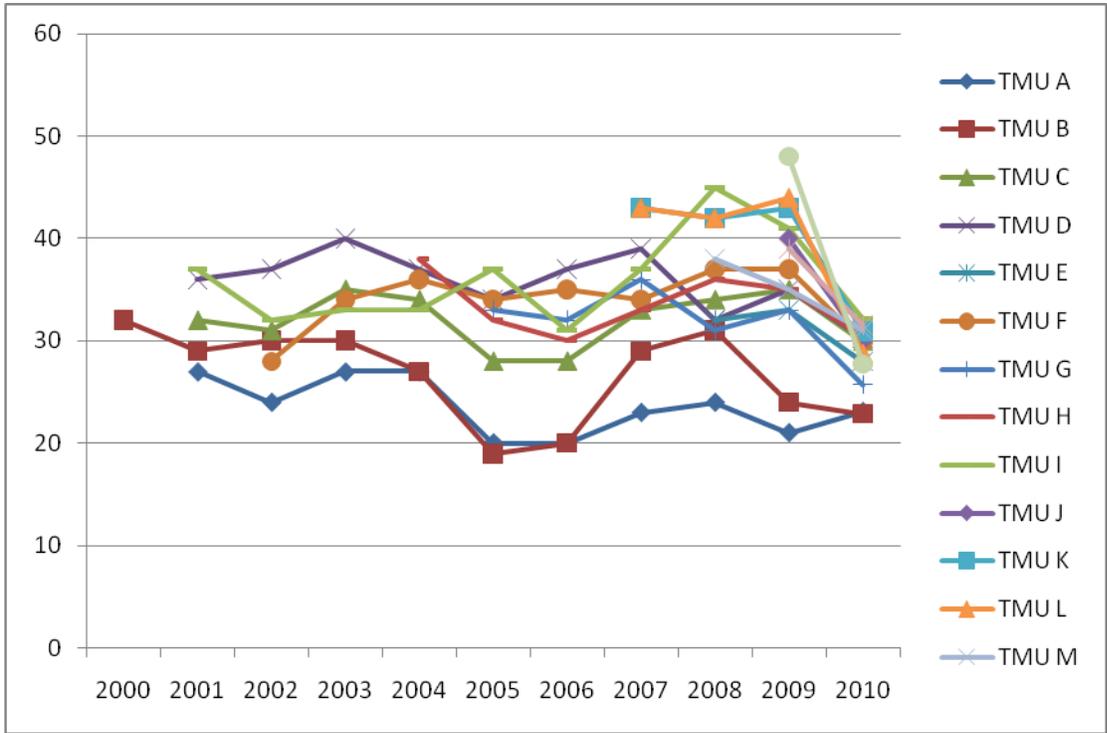


Figure 3. Mean success rate (%) for turkey management units (TMUs) based on cumulative permit area success rates since a boundary change occurred or permit areas opened for hunting, Minnesota.

Appendix A. Permits available, applicants, and permits issued by license type and permit area for time periods A – F for the 2010 spring wild turkey season, Minnesota.

| Permit area | Available | Permits issued | | | |
|-------------|-----------|-----------------|-----------|---------|-------|
| | | General Lottery | Landowner | Surplus | Youth |
| 152 | 30 | 18 | 0 | 6 | 3 |
| 156 | 90 | 63 | 12 | 0 | 40 |
| 157 | 450 | 292 | 27 | 71 | 140 |
| 159 | 120 | 93 | 11 | 6 | 28 |
| 183 | 30 | 25 | 3 | 0 | 6 |
| 213 | 600 | 402 | 63 | 68 | 194 |
| 214 | 600 | 359 | 25 | 146 | 98 |
| 215 | 780 | 528 | 34 | 143 | 232 |
| 218 | 720 | 503 | 52 | 103 | 278 |
| 219 | 390 | 275 | 18 | 58 | 149 |
| 221 | 450 | 285 | 24 | 98 | 131 |
| 222 | 330 | 229 | 21 | 45 | 99 |
| 223 | 600 | 427 | 25 | 95 | 225 |
| 225 | 990 | 586 | 66 | 206 | 177 |
| 227 | 900 | 593 | 25 | 187 | 242 |
| 229 | 270 | 163 | 11 | 68 | 77 |
| 235 | 120 | 98 | 0 | 13 | 43 |
| 236 | 960 | 616 | 23 | 192 | 243 |
| 239 | 810 | 532 | 60 | 114 | 176 |
| 240 | 660 | 431 | 45 | 116 | 147 |
| 241 | 180 | 112 | 8 | 39 | 52 |
| 242 | 30 | 7 | 0 | 14 | 9 |
| 243 | 120 | 67 | 13 | 22 | 33 |
| 244 | 300 | 209 | 23 | 34 | 81 |
| 246 | 150 | 96 | 18 | 30 | 68 |
| 247 | 30 | 14 | 2 | 6 | 14 |
| 248 | 330 | 194 | 21 | 51 | 68 |
| 249 | 360 | 223 | 20 | 67 | 86 |
| 262 | 90 | 25 | 1 | 26 | 18 |
| 266 | 90 | 22 | 0 | 24 | 6 |
| 338 | 600 | 384 | 46 | 122 | 203 |
| 339 | 570 | 391 | 28 | 96 | 155 |
| 341 | 1410 | 1009 | 69 | 175 | 314 |
| 342 | 1350 | 855 | 56 | 169 | 165 |
| 343 | 1200 | 852 | 82 | 169 | 359 |
| 344 | 750 | 567 | 32 | 72 | 125 |

Appendix A. Continued

| Permit area | Permits available | Permits issued | | | |
|-------------|-------------------|-----------------|-----------|---------|-------|
| | | General lottery | Landowner | Surplus | Youth |
| 345 | 900 | 552 | 37 | 105 | 112 |
| 346 | 1800 | 1071 | 76 | 113 | 182 |
| 347 | 900 | 610 | 34 | 95 | 161 |
| 348 | 1050 | 695 | 44 | 134 | 131 |
| 349 | 2400 | 1533 | 87 | 218 | 242 |
| 412 | 360 | 244 | 17 | 62 | 56 |
| 416 | 120 | 88 | 13 | 14 | 40 |
| 417 | 330 | 244 | 27 | 25 | 100 |
| 420 | 90 | 26 | 1 | 30 | 3 |
| 421 | 42 | 13 | 0 | 13 | 2 |
| 422 | 180 | 105 | 1 | 21 | 17 |
| 423 | 30 | 6 | 0 | 6 | 0 |
| 424 | 60 | 34 | 2 | 12 | 7 |
| 425 | 390 | 285 | 36 | 45 | 99 |
| 426 | 30 | 16 | 3 | 10 | 1 |
| 427 | 90 | 68 | 10 | 7 | 24 |
| 428 | 240 | 158 | 18 | 35 | 62 |
| 431 | 90 | 60 | 6 | 13 | 12 |
| 433 | 120 | 82 | 8 | 19 | 32 |
| 440 | 450 | 302 | 29 | 72 | 111 |
| 442 | 990 | 656 | 89 | 158 | 262 |
| 443 | 510 | 332 | 16 | 71 | 92 |
| 446 | 60 | 45 | 8 | 4 | 10 |
| 447 | 60 | 33 | 3 | 11 | 6 |
| 448 | 90 | 53 | 10 | 17 | 13 |
| 449 | 90 | 69 | 9 | 5 | 36 |
| 450 | 90 | 44 | 5 | 17 | 18 |
| 451 | 120 | 55 | 1 | 31 | 16 |
| 454 | 30 | 22 | 2 | 3 | 9 |
| 456 | 30 | 15 | 1 | 5 | 4 |
| 457 | 90 | 51 | 5 | 15 | 12 |
| 458 | 60 | 20 | 0 | 20 | 2 |
| 459 | 150 | 96 | 7 | 23 | 33 |
| 461 | 780 | 529 | 45 | 144 | 197 |
| 462 | 750 | 501 | 33 | 119 | 160 |

Appendix A. Continued

| Permit area | Available | Permits issued | | | |
|--------------------|-----------|-----------------|-----------|---------|-------|
| | | General lottery | Landowner | Surplus | Youth |
| 463 | 210 | 138 | 15 | 34 | 42 |
| 464 | 270 | 171 | 1 | 57 | 63 |
| 465 | 270 | 168 | 2 | 44 | 27 |
| 466 | 510 | 305 | 14 | 97 | 78 |
| 467 | 390 | 243 | 21 | 79 | 102 |
| 601 | 1050 | 692 | 14 | 209 | 300 |
| Total ^a | 33732 | 21975 | 1714 | 5063 | 7360 |

^aTotal excludes 97 permits issued for the Camp Ripley disabled veterans hunt

Appendix B. Permits available, applicants, and permits issued by license type and permit area for time periods G - H for the 2010 spring wild turkey season, Minnesota.

| Permit area | Permits available | Permits issued | | | |
|-------------|-------------------|-----------------|-----------|---------|-------|
| | | General lottery | Landowner | Surplus | Youth |
| 152 | 50 | 0 | 0 | 18 | 1 |
| 156 | 60 | 28 | 2 | 20 | 11 |
| 157 | 200 | 67 | 2 | 118 | 21 |
| 159 | 120 | 61 | 1 | 53 | 6 |
| 183 | 50 | 33 | 1 | 12 | 3 |
| 213 | 400 | 105 | 3 | 176 | 34 |
| 214 | 400 | 52 | 5 | 81 | 18 |
| 215 | 400 | 69 | 1 | 187 | 30 |
| 218 | 400 | 107 | 2 | 181 | 36 |
| 219 | 200 | 44 | 0 | 104 | 22 |
| 221 | 250 | 48 | 1 | 75 | 16 |
| 222 | 300 | 51 | 2 | 68 | 17 |
| 223 | 400 | 64 | 0 | 212 | 28 |
| 225 | 450 | 42 | 1 | 118 | 20 |
| 227 | 500 | 54 | 1 | 125 | 25 |
| 229 | 200 | 13 | 1 | 52 | 11 |
| 235 | 120 | 11 | 0 | 46 | 9 |
| 236 | 600 | 65 | 0 | 110 | 28 |
| 239 | 500 | 110 | 1 | 257 | 44 |
| 240 | 500 | 66 | 0 | 128 | 24 |
| 241 | 180 | 28 | 1 | 47 | 7 |
| 242 | 50 | 4 | 0 | 4 | 0 |
| 243 | 120 | 30 | 1 | 51 | 9 |
| 244 | 200 | 34 | 0 | 103 | 12 |
| 246 | 150 | 64 | 2 | 64 | 11 |
| 247 | 50 | 22 | 0 | 16 | 0 |
| 248 | 250 | 20 | 1 | 28 | 2 |
| 249 | 200 | 38 | 0 | 98 | 11 |
| 262 | 90 | 2 | 0 | 5 | 3 |
| 266 | 90 | 3 | 0 | 1 | 1 |
| 338 | 500 | 90 | 3 | 144 | 25 |
| 339 | 500 | 71 | 0 | 144 | 28 |
| 341 | 800 | 175 | 3 | 316 | 44 |
| 342 | 800 | 36 | 0 | 86 | 29 |
| 343 | 800 | 139 | 2 | 232 | 40 |
| 344 | 500 | 65 | 2 | 122 | 16 |

Appendix B. Continued

| Permit area | Permits available | Permits issued | | | |
|-------------|-------------------|-----------------|-----------|---------|-------|
| | | General lottery | Landowner | Surplus | Youth |
| 345 | 600 | 25 | 0 | 69 | 15 |
| 346 | 800 | 40 | 1 | 66 | 16 |
| 347 | 600 | 59 | 1 | 116 | 38 |
| 348 | 600 | 81 | 0 | 115 | 31 |
| 349 | 1200 | 154 | 0 | 113 | 25 |
| 412 | 200 | 41 | 1 | 56 | 9 |
| 416 | 120 | 29 | 0 | 60 | 4 |
| 417 | 300 | 106 | 2 | 169 | 28 |
| 420 | 90 | 8 | 0 | 5 | 1 |
| 421 | 70 | 1 | 0 | 0 | 0 |
| 422 | 200 | 12 | 0 | 9 | 2 |
| 423 | 50 | 1 | 0 | 0 | 0 |
| 424 | 80 | 0 | 0 | 7 | 0 |
| 425 | 200 | 92 | 1 | 91 | 35 |
| 426 | 50 | 3 | 1 | 4 | 1 |
| 427 | 90 | 14 | 0 | 19 | 4 |
| 428 | 300 | 26 | 0 | 70 | 8 |
| 431 | 90 | 12 | 0 | 6 | 3 |
| 433 | 120 | 20 | 1 | 34 | 8 |
| 440 | 300 | 46 | 0 | 72 | 11 |
| 442 | 600 | 135 | 6 | 208 | 40 |
| 443 | 400 | 30 | 0 | 41 | 10 |
| 446 | 80 | 17 | 0 | 18 | 7 |
| 447 | 80 | 8 | 0 | 15 | 2 |
| 448 | 90 | 10 | 1 | 21 | 3 |
| 449 | 90 | 17 | 2 | 42 | 3 |
| 450 | 90 | 6 | 0 | 7 | 4 |
| 451 | 120 | 11 | 0 | 9 | 1 |
| 454 | 50 | 16 | 1 | 26 | 8 |
| 456 | 50 | 2 | 0 | 1 | 0 |
| 457 | 90 | 9 | 0 | 5 | 1 |
| 458 | 80 | 2 | 0 | 2 | 3 |
| 459 | 150 | 28 | 0 | 27 | 6 |
| 461 | 500 | 67 | 1 | 153 | 23 |
| 462 | 600 | 75 | 2 | 100 | 21 |

Appendix B. Continued

| Permit area | Permits available | Permits issued | | | |
|--------------------|-------------------|-----------------|-----------|---------|-------|
| | | General lottery | Landowner | Surplus | Youth |
| 463 | 140 | 14 | 0 | 49 | 9 |
| 464 | 200 | 14 | 0 | 32 | 11 |
| 465 | 200 | 8 | 0 | 23 | 7 |
| 466 | 400 | 22 | 0 | 60 | 18 |
| 467 | 300 | 42 | 3 | 54 | 11 |
| 601 | 500 | 110 | 0 | 258 | 49 |
| Total ^a | 22250 | 3324 | 63 | 5834 | 1118 |

^aTotal excludes 97 permits issued for the Camp Ripley disabled veterans hunt

Appendix C. Permits available and issued, registered harvest by hunting license type and permit area for the 2010 spring wild turkey season, Minnesota.

| Permit Area | Permits | | Registered harvest by hunting license type | | | | | | | | | |
|-------------|-----------|--------|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Available | Issued | 601 ^a | 602 ^b | 606 ^c | 607 ^d | 608 ^e | 610 ^f | 611 ^g | 613 ^h | 614 ⁱ | 615 ^j |
| 152 | 80 | 46 | 3 | 0 | 0 | 0 | 0 | 8 | 0 | 5 | 0 | 0 |
| 156 | 150 | 176 | 20 | 0 | 0 | 0 | 0 | 28 | 1 | 8 | 0 | 0 |
| 157 | 650 | 738 | 49 | 1 | 0 | 4 | 0 | 153 | 1 | 38 | 0 | 1 |
| 159 | 240 | 259 | 8 | 0 | 0 | 2 | 0 | 46 | 0 | 7 | 0 | 0 |
| 183 | 80 | 83 | 2 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 |
| 213 | 1000 | 1045 | 75 | 0 | 0 | 6 | 0 | 196 | 3 | 33 | 0 | 0 |
| 214 | 1000 | 784 | 39 | 0 | 1 | 1 | 0 | 161 | 1 | 55 | 0 | 1 |
| 215 | 1180 | 1224 | 74 | 0 | 1 | 9 | 0 | 198 | 1 | 82 | 0 | 0 |
| 218 | 1120 | 1262 | 86 | 0 | 0 | 13 | 0 | 263 | 0 | 80 | 0 | 0 |
| 219 | 590 | 670 | 52 | 0 | 0 | 3 | 0 | 110 | 0 | 29 | 0 | 0 |
| 221 | 700 | 678 | 38 | 0 | 0 | 4 | 0 | 142 | 1 | 37 | 0 | 0 |
| 222 | 630 | 532 | 17 | 0 | 0 | 5 | 0 | 97 | 4 | 25 | 0 | 0 |
| 223 | 1000 | 1076 | 74 | 0 | 0 | 15 | 0 | 167 | 0 | 57 | 0 | 1 |
| 225 | 1440 | 1216 | 41 | 0 | 0 | 7 | 0 | 204 | 0 | 56 | 0 | 1 |
| 227 | 1400 | 1252 | 61 | 0 | 0 | 8 | 0 | 209 | 2 | 53 | 0 | 0 |
| 229 | 470 | 396 | 21 | 0 | 0 | 1 | 0 | 55 | 0 | 13 | 0 | 0 |
| 235 | 240 | 220 | 11 | 0 | 0 | 2 | 0 | 25 | 1 | 7 | 0 | 0 |
| 236 | 1560 | 1277 | 77 | 2 | 1 | 13 | 0 | 242 | 2 | 60 | 1 | 0 |
| 239 | 1310 | 1294 | 58 | 0 | 0 | 4 | 0 | 232 | 2 | 67 | 0 | 0 |
| 240 | 1160 | 957 | 54 | 2 | 0 | 3 | 0 | 192 | 4 | 65 | 0 | 0 |
| 241 | 360 | 294 | 20 | 0 | 0 | 0 | 0 | 47 | 0 | 17 | 0 | 0 |
| 242 | 80 | 38 | 1 | 0 | 0 | 0 | 0 | 7 | 0 | 4 | 0 | 0 |
| 243 | 240 | 226 | 11 | 0 | 0 | 0 | 0 | 40 | 0 | 21 | 0 | 0 |
| 244 | 500 | 496 | 20 | 1 | 0 | 3 | 0 | 101 | 1 | 20 | 0 | 0 |
| 246 | 300 | 353 | 29 | 0 | 0 | 1 | 0 | 60 | 0 | 21 | 0 | 0 |
| 247 | 80 | 74 | 3 | 0 | 0 | 0 | 0 | 16 | 0 | 6 | 0 | 0 |
| 248 | 580 | 385 | 19 | 0 | 0 | 0 | 0 | 76 | 0 | 15 | 0 | 0 |
| 249 | 560 | 543 | 26 | 0 | 0 | 1 | 0 | 97 | 0 | 36 | 0 | 0 |
| 262 | 180 | 80 | 8 | 0 | 0 | 0 | 0 | 9 | 0 | 7 | 0 | 0 |
| 266 | 180 | 57 | 4 | 0 | 0 | 0 | 0 | 7 | 0 | 3 | 0 | 0 |
| 338 | 1100 | 1017 | 72 | 1 | 0 | 2 | 0 | 183 | 1 | 39 | 0 | 0 |
| 339 | 1070 | 913 | 45 | 0 | 0 | 3 | 0 | 168 | 2 | 51 | 0 | 0 |
| 341 | 2210 | 2105 | 99 | 0 | 1 | 5 | 1 | 425 | 11 | 104 | 0 | 0 |
| 342 | 2150 | 1396 | 45 | 1 | 0 | 3 | 0 | 284 | 5 | 36 | 1 | 0 |
| 343 | 2000 | 1875 | 135 | 1 | 0 | 15 | 0 | 398 | 6 | 87 | 2 | 2 |
| 344 | 1250 | 1001 | 27 | 0 | 1 | 1 | 0 | 171 | 5 | 23 | 1 | 0 |

Appendix C. Continued

| Permit area | Permits | | Registered harvest by hunting license type | | | | | | | | | |
|-------------|-----------|--------|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Available | Issued | 601 ^a | 602 ^b | 606 ^c | 607 ^d | 608 ^e | 610 ^f | 611 ^g | 613 ^h | 614 ⁱ | 615 ^j |
| 345 | 1500 | 915 | 24 | 0 | 0 | 1 | 0 | 153 | 3 | 25 | 0 | 0 |
| 346 | 2600 | 1565 | 39 | 0 | 0 | 0 | 0 | 332 | 7 | 34 | 1 | 0 |
| 347 | 1500 | 1114 | 38 | 0 | 0 | 1 | 0 | 198 | 5 | 36 | 0 | 0 |
| 348 | 1650 | 1231 | 27 | 0 | 0 | 1 | 0 | 197 | 11 | 36 | 0 | 1 |
| 349 | 3600 | 2372 | 44 | 1 | 1 | 0 | 0 | 401 | 23 | 43 | 0 | 0 |
| 412 | 560 | 486 | 15 | 0 | 0 | 1 | 0 | 92 | 0 | 29 | 0 | 0 |
| 416 | 240 | 248 | 12 | 0 | 0 | 0 | 0 | 44 | 0 | 16 | 0 | 0 |
| 417 | 630 | 701 | 37 | 0 | 0 | 4 | 0 | 134 | 0 | 46 | 1 | 0 |
| 420 | 180 | 74 | 2 | 0 | 0 | 0 | 0 | 11 | 0 | 5 | 0 | 0 |
| 421 | 112 | 29 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 |
| 422 | 380 | 167 | 6 | 0 | 0 | 0 | 0 | 45 | 1 | 13 | 0 | 1 |
| 423 | 80 | 13 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 424 | 140 | 62 | 1 | 0 | 0 | 0 | 0 | 9 | 0 | 5 | 0 | 0 |
| 425 | 590 | 684 | 31 | 0 | 0 | 5 | 0 | 142 | 1 | 22 | 0 | 1 |
| 426 | 80 | 39 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 3 | 0 | 0 |
| 427 | 180 | 146 | 12 | 0 | 0 | 0 | 0 | 29 | 0 | 4 | 0 | 0 |
| 428 | 540 | 377 | 20 | 0 | 0 | 3 | 0 | 75 | 0 | 26 | 0 | 0 |
| 431 | 180 | 112 | 5 | 0 | 0 | 0 | 0 | 28 | 0 | 3 | 1 | 0 |
| 433 | 240 | 204 | 8 | 0 | 0 | 0 | 0 | 31 | 0 | 4 | 0 | 0 |
| 440 | 750 | 643 | 49 | 0 | 0 | 1 | 0 | 132 | 0 | 26 | 0 | 1 |
| 442 | 1590 | 1554 | 89 | 0 | 0 | 6 | 0 | 314 | 3 | 92 | 0 | 0 |
| 443 | 910 | 592 | 13 | 0 | 0 | 1 | 0 | 124 | 1 | 17 | 0 | 0 |
| 446 | 140 | 109 | 1 | 0 | 0 | 0 | 0 | 21 | 1 | 8 | 0 | 0 |
| 447 | 140 | 78 | 1 | 0 | 0 | 0 | 0 | 13 | 0 | 3 | 0 | 0 |
| 448 | 180 | 128 | 4 | 0 | 0 | 0 | 0 | 25 | 0 | 6 | 0 | 0 |
| 449 | 180 | 183 | 14 | 0 | 0 | 0 | 0 | 36 | 0 | 14 | 1 | 0 |
| 450 | 180 | 101 | 9 | 0 | 0 | 0 | 0 | 17 | 0 | 6 | 0 | 0 |
| 451 | 240 | 124 | 1 | 0 | 0 | 0 | 0 | 14 | 0 | 9 | 0 | 1 |
| 454 | 80 | 87 | 6 | 0 | 0 | 0 | 0 | 14 | 0 | 9 | 0 | 0 |
| 456 | 80 | 28 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 |
| 457 | 180 | 98 | 4 | 0 | 0 | 0 | 0 | 18 | 0 | 5 | 0 | 0 |
| 458 | 140 | 49 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 6 | 1 | 0 |
| 459 | 300 | 220 | 5 | 0 | 0 | 0 | 0 | 18 | 1 | 4 | 0 | 0 |
| 461 | 1280 | 1159 | 63 | 0 | 0 | 6 | 0 | 241 | 3 | 65 | 2 | 0 |
| 462 | 1350 | 1011 | 54 | 0 | 0 | 7 | 0 | 252 | 3 | 50 | 1 | 0 |

Appendix C. Continued

| Permit area | Permits | | Registered harvest by hunting license type | | | | | | | | | |
|--------------------|-----------|---------------------|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Available | Issued | 601 ^a | 602 ^b | 606 ^c | 607 ^d | 608 ^e | 610 ^f | 611 ^g | 613 ^h | 614 ⁱ | 615 ^j |
| 463 | 350 | 301 | 8 | 0 | 0 | 1 | 0 | 48 | 0 | 9 | 1 | 0 |
| 464 | 470 | 349 | 24 | 0 | 0 | 1 | 0 | 52 | 0 | 15 | 0 | 0 |
| 465 | 470 | 279 | 10 | 0 | 0 | 1 | 0 | 55 | 2 | 15 | 0 | 0 |
| 466 | 910 | 594 | 22 | 0 | 0 | 1 | 0 | 99 | 0 | 26 | 2 | 0 |
| 467 | 690 | 555 | 28 | 1 | 0 | 3 | 0 | 77 | 0 | 26 | 0 | 0 |
| 601 | 1550 | 1632 | 135 | 2 | 2 | 27 | 0 | 279 | 4 | 107 | 1 | 0 |
| Total ^k | 55,982 | 46,451 ^l | 2285 | 13 | 8 | 205 | 1 | 8624 | 123 | 2139 | 17 | 11 |

^a Resident youth

^b Non-resident youth

^c Resident youth archery

^d Resident archery

^e Non-resident archery

^f Resident license (includes general lottery and landowner)

^g Non-resident license (includes general lottery)

^h Resident surplus

ⁱ Non-resident surplus

^j Military

^k Total registered harvest excludes 41 turkeys registered by license types (603 resident youth surplus, 599 non-resident youth archery, 604 non-resident youth spring surplus),

^l Total excludes 97 permits issued for the Camp Ripley disabled veterans hunt

Appendix D. Gender and age structure of registered wild turkeys by permit area for the 2010 spring wild turkey season, Minnesota.

Note: Gender and age is hunter reported and is subject to error.

| Permit area | Female (bearded) | Male | | Juvenile (%) | Total registered harvest |
|-------------|------------------|-------|----------|--------------|--------------------------|
| | | Adult | Juvenile | | |
| 152 | 0 | 14 | 2 | 13 | 16 |
| 156 | 0 | 40 | 17 | 30 | 57 |
| 157 | 0 | 208 | 39 | 16 | 247 |
| 159 | 2 | 56 | 5 | 8 | 63 |
| 183 | 0 | 12 | 0 | 0 | 12 |
| 213 | 0 | 255 | 58 | 19 | 313 |
| 214 | 0 | 206 | 53 | 20 | 259 |
| 215 | 3 | 303 | 59 | 16 | 365 |
| 218 | 2 | 349 | 91 | 21 | 442 |
| 219 | 1 | 152 | 41 | 21 | 194 |
| 221 | 0 | 181 | 41 | 18 | 222 |
| 222 | 0 | 128 | 20 | 14 | 148 |
| 223 | 0 | 266 | 48 | 15 | 314 |
| 225 | 0 | 245 | 64 | 21 | 309 |
| 227 | 4 | 259 | 70 | 21 | 333 |
| 229 | 0 | 63 | 27 | 30 | 90 |
| 235 | 2 | 35 | 9 | 20 | 46 |
| 236 | 2 | 320 | 76 | 19 | 398 |
| 239 | 0 | 295 | 68 | 19 | 363 |
| 240 | 0 | 253 | 67 | 21 | 320 |
| 241 | 0 | 66 | 18 | 21 | 84 |
| 242 | 0 | 10 | 2 | 17 | 12 |
| 243 | 0 | 62 | 10 | 14 | 72 |
| 244 | 1 | 118 | 27 | 18 | 146 |
| 246 | 1 | 88 | 22 | 20 | 111 |
| 247 | 0 | 21 | 4 | 16 | 25 |
| 248 | 1 | 92 | 17 | 15 | 110 |
| 249 | 0 | 130 | 30 | 19 | 160 |
| 262 | 1 | 14 | 9 | 38 | 24 |
| 266 | 1 | 11 | 2 | 14 | 14 |
| 338 | 3 | 225 | 70 | 23 | 298 |
| 339 | 1 | 212 | 56 | 21 | 269 |
| 341 | 2 | 500 | 144 | 22 | 646 |
| 342 | 2 | 297 | 76 | 20 | 375 |
| 343 | 4 | 523 | 119 | 18 | 646 |
| 344 | 0 | 155 | 74 | 32 | 229 |

Appendix D. Continued

| Permit area | Female (bearded) | Male | | Juvenile (%) | Total registered harvest |
|-------------|------------------|-------|----------|--------------|--------------------------|
| | | Adult | Juvenile | | |
| 345 | 0 | 171 | 35 | 17 | 206 |
| 346 | 5 | 319 | 89 | 22 | 413 |
| 347 | 2 | 228 | 48 | 17 | 278 |
| 348 | 1 | 215 | 57 | 21 | 273 |
| 349 | 4 | 360 | 149 | 29 | 513 |
| 412 | 0 | 118 | 19 | 14 | 137 |
| 416 | 0 | 64 | 8 | 11 | 72 |
| 417 | 0 | 177 | 45 | 20 | 222 |
| 420 | 0 | 18 | 0 | 0 | 18 |
| 421 | 0 | 4 | 2 | 33 | 6 |
| 422 | 1 | 51 | 14 | 21 | 66 |
| 423 | 0 | 1 | 1 | 50 | 2 |
| 424 | 0 | 14 | 1 | 7 | 15 |
| 425 | 1 | 154 | 47 | 23 | 202 |
| 426 | 0 | 12 | 0 | 0 | 12 |
| 427 | 1 | 39 | 5 | 11 | 45 |
| 428 | 0 | 89 | 35 | 28 | 124 |
| 431 | 0 | 32 | 5 | 14 | 37 |
| 433 | 0 | 37 | 6 | 14 | 43 |
| 440 | 0 | 156 | 53 | 25 | 209 |
| 442 | 5 | 373 | 126 | 25 | 504 |
| 443 | 0 | 113 | 43 | 28 | 156 |
| 446 | 0 | 23 | 8 | 26 | 31 |
| 447 | 1 | 13 | 3 | 18 | 17 |
| 448 | 0 | 33 | 2 | 6 | 35 |
| 449 | 1 | 59 | 5 | 8 | 65 |
| 450 | 0 | 20 | 12 | 38 | 32 |
| 451 | 0 | 22 | 3 | 12 | 25 |
| 454 | 0 | 27 | 2 | 7 | 29 |
| 456 | 1 | 3 | 1 | 20 | 5 |
| 457 | 0 | 22 | 5 | 19 | 27 |
| 458 | 0 | 14 | 2 | 13 | 16 |
| 459 | 0 | 25 | 3 | 11 | 28 |
| 461 | 2 | 324 | 54 | 14 | 380 |
| 462 | 3 | 275 | 89 | 24 | 367 |

Appendix D. Continued

| Permit area | Female (bearded) | Male | | Juvenile (%) | Total registered harvest |
|------------------|------------------|-------|----------|--------------|--------------------------|
| | | Adult | Juvenile | | |
| 463 | 0 | 50 | 17 | 25 | 67 |
| 464 | 1 | 67 | 24 | 26 | 92 |
| 465 | 0 | 69 | 14 | 17 | 83 |
| 466 | 1 | 113 | 36 | 24 | 150 |
| 467 | 2 | 114 | 19 | 14 | 135 |
| 601 | 3 | 452 | 102 | 18 | 557 |
| 801 ^a | 0 | 33 | 2 | 6 | 35 |
| 802 ^a | 0 | 5 | 1 | 17 | 6 |
| Total | 68 | 10672 | 2727 | 20 | 13467 |

^a Camp Ripley disabled veterans hunt

Appendix E. Registered harvest, general lottery applicants, permits available (total, landowner, general lottery), and the chance of being drawn in the general lottery by permit area and time period for the 2010 spring wild turkey season, Minnesota.

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 152 | A | 0 | 12 | 5 | 0 | 5 | 42 |
| | B | 2 | 12 | 5 | 0 | 5 | 42 |
| | C | 4 | 12 | 5 | 0 | 5 | 42 |
| | D | 3 | 12 | 5 | 0 | 5 | 42 |
| | E | 2 | 4 | 5 | 0 | 5 | 125 |
| | F | 2 | 0 | 5 | 0 | 5 | 100 |
| | G | 2 | 1 | 25 | 0 | 5 | 100 |
| | H | 1 | 2 | 25 | 0 | 5 | 100 |
| 156 | A | 10 | 38 | 15 | 3 | 9 | 24 |
| | B | 7 | 26 | 15 | 2 | 11 | 42 |
| | C | 13 | 38 | 15 | 0 | 14 | 37 |
| | D | 8 | 38 | 15 | 3 | 8 | 21 |
| | E | 3 | 22 | 15 | 3 | 9 | 41 |
| | F | 0 | 12 | 15 | 1 | 13 | 100 |
| | G | 7 | 30 | 30 | 2 | 24 | 80 |
| | H | 9 | 10 | 30 | 0 | 30 | 100 |
| 157 | A | 57 | 224 | 75 | 7 | 60 | 27 |
| | B | 27 | 122 | 75 | 7 | 59 | 48 |
| | C | 41 | 196 | 75 | 11 | 50 | 26 |
| | D | 33 | 183 | 75 | 1 | 72 | 39 |
| | E | 28 | 54 | 75 | 1 | 73 | 100 |
| | F | 29 | 24 | 75 | 0 | 75 | 100 |
| | G | 21 | 51 | 100 | 1 | 98 | 100 |
| | H | 11 | 29 | 100 | 1 | 98 | 100 |
| 159 | A | 18 | 115 | 20 | 4 | 12 | 10 |
| | B | 9 | 47 | 20 | 5 | 10 | 21 |
| | C | 4 | 73 | 20 | 2 | 16 | 22 |
| | D | 6 | 41 | 20 | 0 | 20 | 49 |
| | E | 3 | 22 | 20 | 0 | 20 | 91 |
| | F | 5 | 14 | 20 | 0 | 20 | 100 |
| | G | 13 | 53 | 60 | 0 | 58 | 100 |
| | H | 5 | 11 | 60 | 1 | 58 | 100 |
| 183 | A | 3 | 14 | 5 | 1 | 3 | 21 |
| | B | 2 | 9 | 5 | 0 | 4 | 44 |
| | C | 1 | 19 | 5 | 1 | 3 | 16 |
| | D | 2 | 32 | 5 | 0 | 5 | 16 |
| | E | 2 | 19 | 5 | 1 | 3 | 16 |
| | F | 0 | 9 | 5 | 0 | 5 | 56 |
| | G | 2 | 22 | 25 | 0 | 25 | 100 |
| | H | 0 | 15 | 25 | 1 | 23 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 213 | A | 78 | 281 | 100 | 15 | 85 | 30 |
| | B | 46 | 209 | 100 | 19 | 81 | 39 |
| | C | 51 | 314 | 100 | 16 | 84 | 27 |
| | D | 40 | 264 | 100 | 7 | 93 | 35 |
| | E | 25 | 79 | 100 | 5 | 95 | 100 |
| | F | 23 | 47 | 100 | 1 | 99 | 100 |
| | G | 24 | 86 | 200 | 3 | 197 | 100 |
| | H | 26 | 31 | 200 | 0 | 200 | 100 |
| 214 | A | 54 | 176 | 100 | 10 | 90 | 51 |
| | B | 38 | 130 | 100 | 4 | 96 | 74 |
| | C | 42 | 163 | 100 | 10 | 90 | 55 |
| | D | 36 | 145 | 100 | 0 | 100 | 69 |
| | E | 33 | 33 | 100 | 1 | 99 | 100 |
| | F | 14 | 22 | 100 | 0 | 100 | 100 |
| | G | 30 | 45 | 200 | 2 | 198 | 100 |
| | H | 12 | 15 | 200 | 3 | 197 | 100 |
| 215 | A | 78 | 343 | 130 | 10 | 120 | 35 |
| | B | 41 | 176 | 130 | 8 | 122 | 69 |
| | C | 58 | 367 | 130 | 11 | 119 | 32 |
| | D | 49 | 253 | 130 | 3 | 127 | 50 |
| | E | 41 | 79 | 130 | 1 | 129 | 100 |
| | F | 36 | 38 | 130 | 1 | 129 | 100 |
| | G | 41 | 60 | 200 | 1 | 199 | 100 |
| | H | 21 | 22 | 200 | 0 | 200 | 100 |
| 218 | A | 98 | 322 | 120 | 19 | 101 | 31 |
| | B | 48 | 200 | 120 | 10 | 110 | 55 |
| | C | 65 | 364 | 120 | 13 | 107 | 29 |
| | D | 49 | 232 | 120 | 9 | 111 | 48 |
| | E | 45 | 88 | 120 | 1 | 119 | 100 |
| | F | 41 | 55 | 120 | 0 | 120 | 100 |
| | G | 60 | 82 | 200 | 2 | 198 | 100 |
| | H | 36 | 40 | 200 | 0 | 200 | 100 |
| 219 | A | 54 | 196 | 65 | 5 | 60 | 31 |
| | B | 28 | 123 | 65 | 6 | 59 | 48 |
| | C | 22 | 198 | 65 | 3 | 62 | 31 |
| | D | 24 | 142 | 65 | 2 | 63 | 44 |
| | E | 18 | 52 | 65 | 2 | 63 | 100 |
| | F | 13 | 17 | 65 | 0 | 65 | 100 |
| | G | 25 | 43 | 100 | 0 | 100 | 100 |
| | H | 10 | 12 | 100 | 0 | 100 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 221 | A | 51 | 148 | 75 | 8 | 67 | 45 |
| | B | 33 | 106 | 75 | 9 | 66 | 62 |
| | C | 26 | 171 | 75 | 4 | 71 | 42 |
| | D | 30 | 105 | 75 | 2 | 73 | 70 |
| | E | 29 | 23 | 75 | 1 | 74 | 100 |
| | F | 22 | 27 | 75 | 0 | 75 | 100 |
| | G | 22 | 47 | 125 | 1 | 124 | 100 |
| | H | 9 | 13 | 125 | 0 | 125 | 100 |
| 222 | A | 29 | 116 | 55 | 10 | 45 | 39 |
| | B | 26 | 78 | 55 | 3 | 52 | 67 |
| | C | 21 | 154 | 55 | 1 | 54 | 35 |
| | D | 19 | 85 | 55 | 4 | 51 | 60 |
| | E | 14 | 37 | 55 | 2 | 53 | 100 |
| | F | 6 | 24 | 55 | 1 | 54 | 100 |
| | G | 28 | 46 | 150 | 2 | 148 | 100 |
| | H | 5 | 13 | 150 | 0 | 150 | 100 |
| 223 | A | 77 | 339 | 100 | 10 | 90 | 27 |
| | B | 41 | 199 | 100 | 5 | 95 | 48 |
| | C | 48 | 309 | 100 | 4 | 96 | 31 |
| | D | 33 | 172 | 100 | 1 | 99 | 58 |
| | E | 31 | 74 | 100 | 5 | 95 | 100 |
| | F | 23 | 38 | 100 | 0 | 100 | 100 |
| | G | 48 | 59 | 200 | 0 | 200 | 100 |
| | H | 13 | 14 | 200 | 0 | 200 | 100 |
| 225 | A | 75 | 332 | 165 | 33 | 132 | 40 |
| | B | 52 | 187 | 165 | 10 | 155 | 83 |
| | C | 49 | 317 | 165 | 14 | 151 | 48 |
| | D | 40 | 191 | 165 | 5 | 160 | 84 |
| | E | 40 | 60 | 165 | 2 | 163 | 100 |
| | F | 21 | 27 | 165 | 2 | 163 | 100 |
| | G | 22 | 47 | 225 | 1 | 224 | 100 |
| | H | 10 | 11 | 225 | 0 | 225 | 100 |
| 227 | A | 81 | 335 | 150 | 2 | 148 | 44 |
| | B | 53 | 202 | 150 | 12 | 138 | 68 |
| | C | 49 | 250 | 150 | 8 | 142 | 57 |
| | D | 50 | 178 | 150 | 2 | 148 | 83 |
| | E | 37 | 68 | 150 | 1 | 149 | 100 |
| | F | 20 | 33 | 150 | 0 | 150 | 100 |
| | G | 30 | 54 | 250 | 1 | 249 | 100 |
| | H | 13 | 13 | 250 | 0 | 250 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 229 | A | 26 | 86 | 45 | 4 | 41 | 48 |
| | B | 12 | 56 | 45 | 3 | 42 | 75 |
| | C | 15 | 81 | 45 | 1 | 44 | 54 |
| | D | 13 | 60 | 45 | 3 | 42 | 70 |
| | E | 9 | 12 | 45 | 0 | 45 | 100 |
| | F | 2 | 10 | 45 | 0 | 45 | 100 |
| | G | 9 | 13 | 100 | 1 | 99 | 100 |
| | H | 4 | 5 | 100 | 0 | 100 | 100 |
| 235 | A | 15 | 77 | 20 | 0 | 20 | 26 |
| | B | 7 | 51 | 20 | 0 | 20 | 39 |
| | C | 4 | 50 | 20 | 0 | 20 | 40 |
| | D | 6 | 33 | 20 | 0 | 20 | 61 |
| | E | 1 | 10 | 20 | 0 | 20 | 100 |
| | F | 2 | 17 | 20 | 0 | 20 | 100 |
| | G | 6 | 4 | 60 | 0 | 60 | 100 |
| | H | 5 | 11 | 60 | 0 | 60 | 100 |
| 236 | A | 109 | 369 | 160 | 8 | 152 | 41 |
| | B | 52 | 230 | 160 | 4 | 156 | 68 |
| | C | 56 | 318 | 160 | 7 | 153 | 48 |
| | D | 47 | 229 | 160 | 4 | 156 | 68 |
| | E | 54 | 87 | 160 | 0 | 160 | 100 |
| | F | 24 | 32 | 160 | 0 | 160 | 100 |
| | G | 44 | 54 | 300 | 0 | 300 | 100 |
| | H | 12 | 22 | 300 | 0 | 300 | 100 |
| 239 | A | 72 | 328 | 135 | 15 | 120 | 37 |
| | B | 54 | 221 | 135 | 17 | 118 | 53 |
| | C | 60 | 366 | 135 | 16 | 119 | 33 |
| | D | 34 | 280 | 135 | 11 | 124 | 44 |
| | E | 41 | 89 | 135 | 1 | 134 | 100 |
| | F | 32 | 66 | 135 | 0 | 135 | 100 |
| | G | 49 | 94 | 250 | 1 | 249 | 100 |
| | H | 21 | 33 | 250 | 0 | 250 | 100 |
| 240 | A | 76 | 232 | 110 | 19 | 91 | 39 |
| | B | 38 | 130 | 110 | 13 | 97 | 75 |
| | C | 44 | 211 | 110 | 10 | 100 | 47 |
| | D | 37 | 190 | 110 | 3 | 107 | 56 |
| | E | 42 | 54 | 110 | 0 | 110 | 100 |
| | F | 36 | 48 | 110 | 0 | 110 | 100 |
| | G | 35 | 59 | 250 | 0 | 250 | 100 |
| | H | 12 | 20 | 250 | 0 | 250 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 241 | A | 24 | 68 | 30 | 0 | 30 | 44 |
| | B | 11 | 35 | 30 | 1 | 29 | 83 |
| | C | 13 | 67 | 30 | 4 | 26 | 39 |
| | D | 10 | 37 | 30 | 3 | 27 | 73 |
| | E | 10 | 12 | 30 | 0 | 30 | 100 |
| | F | 6 | 11 | 30 | 0 | 30 | 100 |
| | G | 8 | 27 | 90 | 1 | 89 | 100 |
| | H | 2 | 6 | 90 | 0 | 90 | 100 |
| 242 | A | 3 | 4 | 5 | 0 | 5 | 100 |
| | B | 0 | 1 | 5 | 0 | 5 | 100 |
| | C | 1 | 14 | 5 | 0 | 5 | 36 |
| | D | 0 | 10 | 5 | 0 | 5 | 50 |
| | E | 0 | 0 | 5 | 0 | 5 | 100 |
| | F | 2 | 0 | 5 | 0 | 5 | 100 |
| | G | 6 | 6 | 25 | 0 | 25 | 100 |
| | H | 0 | 0 | 25 | 0 | 25 | 100 |
| 243 | A | 12 | 44 | 20 | 3 | 17 | 39 |
| | B | 8 | 16 | 20 | 2 | 18 | 100 |
| | C | 9 | 53 | 20 | 4 | 16 | 30 |
| | D | 10 | 31 | 20 | 3 | 17 | 55 |
| | E | 5 | 12 | 20 | 0 | 20 | 100 |
| | F | 5 | 4 | 20 | 1 | 19 | 100 |
| | G | 14 | 26 | 60 | 1 | 59 | 100 |
| | H | 9 | 15 | 60 | 0 | 60 | 100 |
| 244 | A | 35 | 128 | 50 | 8 | 42 | 33 |
| | B | 15 | 89 | 50 | 2 | 48 | 54 |
| | C | 33 | 159 | 50 | 7 | 43 | 27 |
| | D | 15 | 113 | 50 | 5 | 45 | 40 |
| | E | 15 | 53 | 50 | 1 | 49 | 92 |
| | F | 14 | 32 | 50 | 0 | 50 | 100 |
| | G | 10 | 33 | 100 | 0 | 100 | 100 |
| | H | 9 | 10 | 100 | 0 | 100 | 100 |
| 246 | A | 14 | 69 | 25 | 3 | 22 | 32 |
| | B | 10 | 56 | 25 | 4 | 21 | 38 |
| | C | 22 | 90 | 25 | 3 | 22 | 24 |
| | D | 14 | 78 | 25 | 4 | 21 | 27 |
| | E | 9 | 29 | 25 | 0 | 25 | 86 |
| | F | 11 | 6 | 25 | 4 | 21 | 100 |
| | G | 19 | 63 | 75 | 2 | 73 | 100 |
| | H | 12 | 21 | 75 | 0 | 75 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 247 | A | 2 | 20 | 5 | 0 | 5 | 25 |
| | B | 4 | 6 | 5 | 1 | 4 | 67 |
| | C | 3 | 14 | 5 | 0 | 5 | 36 |
| | D | 2 | 10 | 5 | 1 | 4 | 40 |
| | E | 1 | 1 | 5 | 0 | 5 | 100 |
| | F | 1 | 3 | 5 | 0 | 5 | 100 |
| | G | 9 | 20 | 25 | 0 | 25 | 100 |
| | H | 3 | 5 | 25 | 0 | 25 | 100 |
| 248 | A | 28 | 93 | 55 | 8 | 47 | 51 |
| | B | 20 | 57 | 55 | 5 | 50 | 88 |
| | C | 19 | 83 | 55 | 3 | 52 | 63 |
| | D | 14 | 55 | 55 | 0 | 55 | 100 |
| | E | 8 | 16 | 55 | 4 | 51 | 100 |
| | F | 5 | 7 | 55 | 1 | 54 | 100 |
| | G | 14 | 24 | 125 | 0 | 125 | 100 |
| | H | 2 | 3 | 125 | 1 | 124 | 100 |
| 249 | A | 37 | 118 | 60 | 7 | 53 | 45 |
| | B | 23 | 113 | 60 | 9 | 51 | 45 |
| | C | 30 | 141 | 60 | 2 | 58 | 41 |
| | D | 15 | 108 | 60 | 2 | 58 | 54 |
| | E | 14 | 30 | 60 | 0 | 60 | 100 |
| | F | 11 | 24 | 60 | 0 | 60 | 100 |
| | G | 24 | 25 | 100 | 0 | 100 | 100 |
| | H | 6 | 18 | 100 | 0 | 100 | 100 |
| 262 | A | 5 | 6 | 15 | 1 | 14 | 100 |
| | B | 4 | 3 | 15 | 0 | 15 | 100 |
| | C | 7 | 15 | 15 | 0 | 15 | 100 |
| | D | 1 | 9 | 15 | 0 | 15 | 100 |
| | E | 2 | 0 | 15 | 0 | 15 | 100 |
| | F | 0 | 0 | 15 | 0 | 15 | 100 |
| | G | 5 | 3 | 45 | 0 | 45 | 100 |
| | H | 0 | 1 | 45 | 0 | 45 | 100 |
| 266 | A | 4 | 6 | 15 | 0 | 15 | 100 |
| | B | 2 | 3 | 15 | 0 | 15 | 100 |
| | C | 1 | 8 | 15 | 0 | 15 | 100 |
| | D | 3 | 4 | 15 | 0 | 15 | 100 |
| | E | 1 | 2 | 15 | 0 | 15 | 100 |
| | F | 0 | 1 | 15 | 0 | 15 | 100 |
| | G | 3 | 5 | 45 | 0 | 45 | 100 |
| | H | 0 | 0 | 45 | 0 | 45 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 338 | A | 86 | 258 | 100 | 17 | 83 | 32 |
| | B | 39 | 181 | 100 | 11 | 89 | 49 |
| | C | 48 | 259 | 100 | 10 | 90 | 35 |
| | D | 40 | 156 | 100 | 5 | 95 | 61 |
| | E | 28 | 60 | 100 | 1 | 99 | 100 |
| | F | 16 | 26 | 100 | 2 | 98 | 100 |
| | G | 32 | 91 | 250 | 1 | 249 | 100 |
| | H | 9 | 19 | 250 | 2 | 248 | 100 |
| 339 | A | 65 | 202 | 95 | 12 | 83 | 41 |
| | B | 36 | 140 | 95 | 4 | 91 | 65 |
| | C | 36 | 168 | 95 | 7 | 88 | 52 |
| | D | 33 | 149 | 95 | 3 | 92 | 62 |
| | E | 32 | 60 | 95 | 1 | 94 | 100 |
| | F | 14 | 32 | 95 | 1 | 94 | 100 |
| | G | 42 | 79 | 250 | 0 | 250 | 100 |
| | H | 11 | 14 | 250 | 0 | 250 | 100 |
| 341 | A | 126 | 557 | 235 | 24 | 211 | 38 |
| | B | 97 | 344 | 235 | 20 | 215 | 63 |
| | C | 105 | 618 | 235 | 14 | 221 | 36 |
| | D | 80 | 381 | 235 | 7 | 228 | 60 |
| | E | 79 | 186 | 235 | 3 | 232 | 100 |
| | F | 47 | 102 | 235 | 1 | 234 | 100 |
| | G | 79 | 145 | 400 | 2 | 398 | 100 |
| | H | 33 | 64 | 400 | 1 | 399 | 100 |
| 342 | A | 110 | 388 | 225 | 32 | 193 | 50 |
| | B | 76 | 269 | 225 | 7 | 218 | 81 |
| | C | 52 | 425 | 225 | 13 | 212 | 50 |
| | D | 50 | 255 | 225 | 4 | 221 | 87 |
| | E | 50 | 106 | 225 | 0 | 225 | 100 |
| | F | 23 | 69 | 225 | 0 | 225 | 100 |
| | G | 11 | 49 | 400 | 0 | 400 | 100 |
| | H | 3 | 6 | 400 | 0 | 400 | 100 |
| 343 | A | 130 | 431 | 200 | 28 | 172 | 40 |
| | B | 83 | 307 | 200 | 15 | 185 | 60 |
| | C | 113 | 496 | 200 | 26 | 174 | 35 |
| | D | 90 | 320 | 200 | 11 | 189 | 59 |
| | E | 63 | 138 | 200 | 1 | 199 | 100 |
| | F | 49 | 93 | 200 | 1 | 199 | 100 |
| | G | 79 | 141 | 400 | 1 | 399 | 100 |
| | H | 32 | 36 | 400 | 1 | 399 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 344 | A | 64 | 392 | 125 | 18 | 107 | 27 |
| | B | 38 | 239 | 125 | 8 | 117 | 49 |
| | C | 40 | 303 | 125 | 4 | 121 | 40 |
| | D | 27 | 165 | 125 | 2 | 123 | 75 |
| | E | 25 | 108 | 125 | 0 | 125 | 100 |
| | F | 16 | 70 | 125 | 0 | 125 | 100 |
| | G | 15 | 62 | 250 | 2 | 248 | 100 |
| | H | 4 | 19 | 250 | 0 | 250 | 100 |
| 345 | A | 57 | 255 | 150 | 26 | 124 | 49 |
| | B | 41 | 160 | 150 | 9 | 141 | 88 |
| | C | 33 | 202 | 150 | 1 | 149 | 74 |
| | D | 27 | 161 | 150 | 1 | 149 | 93 |
| | E | 33 | 59 | 150 | 0 | 150 | 100 |
| | F | 2 | 11 | 150 | 0 | 150 | 100 |
| | G | 13 | 33 | 300 | 0 | 300 | 100 |
| | H | 0 | 10 | 300 | 0 | 300 | 100 |
| 346 | A | 133 | 403 | 300 | 44 | 256 | 64 |
| | B | 83 | 277 | 300 | 9 | 291 | 100 |
| | C | 69 | 395 | 300 | 10 | 290 | 73 |
| | D | 50 | 279 | 300 | 10 | 290 | 100 |
| | E | 42 | 124 | 300 | 2 | 298 | 100 |
| | F | 12 | 45 | 300 | 1 | 299 | 100 |
| | G | 20 | 46 | 400 | 1 | 399 | 100 |
| | H | 4 | 5 | 400 | 0 | 400 | 100 |
| 347 | A | 73 | 289 | 150 | 13 | 137 | 47 |
| | B | 36 | 202 | 150 | 5 | 145 | 72 |
| | C | 48 | 289 | 150 | 10 | 140 | 48 |
| | D | 42 | 176 | 150 | 6 | 144 | 82 |
| | E | 38 | 88 | 150 | 0 | 150 | 100 |
| | F | 10 | 27 | 150 | 0 | 150 | 100 |
| | G | 19 | 64 | 300 | 1 | 299 | 100 |
| | H | 12 | 9 | 300 | 0 | 300 | 100 |
| 348 | A | 64 | 370 | 175 | 23 | 152 | 41 |
| | B | 44 | 252 | 175 | 4 | 171 | 68 |
| | C | 35 | 355 | 175 | 8 | 167 | 47 |
| | D | 35 | 291 | 175 | 8 | 167 | 57 |
| | E | 50 | 100 | 175 | 1 | 174 | 100 |
| | F | 19 | 51 | 175 | 0 | 175 | 100 |
| | G | 20 | 84 | 300 | 0 | 300 | 100 |
| | H | 6 | 16 | 300 | 0 | 300 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 349 | A | 147 | 747 | 400 | 51 | 349 | 47 |
| | B | 101 | 402 | 400 | 13 | 387 | 96 |
| | C | 79 | 597 | 400 | 14 | 386 | 65 |
| | D | 65 | 444 | 400 | 7 | 393 | 89 |
| | E | 59 | 226 | 400 | 2 | 398 | 100 |
| | F | 17 | 87 | 400 | 0 | 400 | 100 |
| | G | 30 | 165 | 600 | 0 | 600 | 100 |
| | H | 15 | 34 | 600 | 0 | 600 | 100 |
| 412 | A | 20 | 118 | 60 | 5 | 55 | 47 |
| | B | 15 | 62 | 60 | 4 | 56 | 90 |
| | C | 24 | 114 | 60 | 3 | 57 | 50 |
| | D | 22 | 98 | 60 | 4 | 56 | 57 |
| | E | 16 | 30 | 60 | 1 | 59 | 100 |
| | F | 12 | 26 | 60 | 0 | 60 | 100 |
| | G | 21 | 42 | 100 | 1 | 99 | 100 |
| | H | 7 | 10 | 100 | 0 | 100 | 100 |
| 416 | A | 13 | 64 | 20 | 4 | 16 | 25 |
| | B | 7 | 48 | 20 | 3 | 17 | 35 |
| | C | 11 | 58 | 20 | 4 | 16 | 28 |
| | D | 9 | 52 | 20 | 0 | 20 | 38 |
| | E | 7 | 12 | 20 | 2 | 18 | 100 |
| | F | 6 | 12 | 20 | 0 | 20 | 100 |
| | G | 15 | 17 | 60 | 0 | 60 | 100 |
| | H | 4 | 15 | 60 | 0 | 60 | 100 |
| 417 | A | 42 | 175 | 55 | 11 | 44 | 25 |
| | B | 19 | 116 | 55 | 4 | 51 | 44 |
| | C | 25 | 217 | 55 | 5 | 50 | 23 |
| | D | 28 | 123 | 55 | 4 | 51 | 41 |
| | E | 19 | 63 | 55 | 2 | 53 | 84 |
| | F | 14 | 33 | 55 | 1 | 54 | 100 |
| | G | 41 | 83 | 150 | 1 | 149 | 100 |
| | H | 34 | 34 | 150 | 1 | 149 | 100 |
| 420 | A | 5 | 8 | 15 | 0 | 15 | 100 |
| | B | 2 | 2 | 15 | 0 | 15 | 100 |
| | C | 7 | 18 | 15 | 1 | 14 | 78 |
| | D | 1 | 8 | 15 | 0 | 15 | 100 |
| | E | 0 | 0 | 15 | 0 | 15 | 100 |
| | F | 0 | 0 | 15 | 0 | 15 | 100 |
| | G | 3 | 8 | 45 | 0 | 45 | 100 |
| | H | 0 | 1 | 45 | 0 | 45 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 421 | A | 1 | 6 | 7 | 0 | 7 | 100 |
| | B | 1 | 3 | 7 | 0 | 7 | 100 |
| | C | 2 | 4 | 7 | 0 | 7 | 100 |
| | D | 1 | 3 | 7 | 0 | 7 | 100 |
| | E | 0 | 1 | 7 | 0 | 7 | 100 |
| | F | 0 | 0 | 7 | 0 | 7 | 100 |
| | G | 1 | 2 | 35 | 0 | 35 | 100 |
| | H | 0 | 0 | 35 | 0 | 35 | 100 |
| 422 | A | 13 | 43 | 30 | 1 | 29 | 67 |
| | B | 11 | 26 | 30 | 0 | 30 | 100 |
| | C | 9 | 28 | 30 | 0 | 30 | 100 |
| | D | 14 | 28 | 30 | 0 | 30 | 100 |
| | E | 4 | 6 | 30 | 0 | 30 | 100 |
| | F | 5 | 1 | 30 | 0 | 30 | 100 |
| | G | 10 | 14 | 100 | 0 | 100 | 100 |
| | H | 0 | 1 | 100 | 0 | 100 | 100 |
| 423 | A | 1 | 5 | 5 | 0 | 5 | 100 |
| | B | 1 | 1 | 5 | 0 | 5 | 100 |
| | C | 0 | 3 | 5 | 0 | 5 | 100 |
| | D | 0 | 0 | 5 | 0 | 5 | 100 |
| | E | 0 | 0 | 5 | 0 | 5 | 100 |
| | F | 0 | 0 | 5 | 0 | 5 | 100 |
| | G | 0 | 1 | 25 | 0 | 25 | 100 |
| | H | 0 | 0 | 25 | 0 | 25 | 100 |
| 424 | A | 4 | 21 | 10 | 2 | 8 | 38 |
| | B | 3 | 8 | 10 | 0 | 10 | 100 |
| | C | 1 | 12 | 10 | 0 | 10 | 83 |
| | D | 3 | 13 | 10 | 0 | 10 | 77 |
| | E | 4 | 0 | 10 | 0 | 10 | 100 |
| | F | 0 | 0 | 10 | 0 | 10 | 100 |
| | G | 0 | 0 | 40 | 0 | 40 | 100 |
| | H | 0 | 0 | 40 | 0 | 40 | 100 |
| 425 | A | 41 | 177 | 65 | 14 | 51 | 29 |
| | B | 25 | 89 | 65 | 8 | 57 | 64 |
| | C | 38 | 162 | 65 | 9 | 56 | 35 |
| | D | 26 | 149 | 65 | 5 | 60 | 40 |
| | E | 20 | 52 | 65 | 0 | 65 | 100 |
| | F | 12 | 32 | 65 | 0 | 65 | 100 |
| | G | 21 | 65 | 100 | 1 | 99 | 100 |
| | H | 19 | 43 | 100 | 0 | 100 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 426 | A | 1 | 12 | 5 | 1 | 4 | 33 |
| | B | 2 | 11 | 5 | 1 | 4 | 36 |
| | C | 3 | 11 | 5 | 1 | 4 | 36 |
| | D | 1 | 1 | 5 | 0 | 5 | 100 |
| | E | 0 | 1 | 5 | 0 | 5 | 100 |
| | F | 1 | 1 | 5 | 0 | 5 | 100 |
| | G | 3 | 3 | 25 | 1 | 24 | 100 |
| | H | 1 | 2 | 25 | 0 | 25 | 100 |
| 427 | A | 13 | 13 | 15 | 4 | 11 | 85 |
| | B | 4 | 26 | 15 | 2 | 13 | 50 |
| | C | 7 | 24 | 15 | 3 | 12 | 50 |
| | D | 6 | 17 | 15 | 1 | 14 | 82 |
| | E | 7 | 14 | 15 | 0 | 15 | 100 |
| | F | 2 | 9 | 15 | 0 | 15 | 100 |
| | G | 4 | 15 | 45 | 0 | 45 | 100 |
| | H | 2 | 1 | 45 | 0 | 45 | 100 |
| 428 | A | 30 | 88 | 40 | 7 | 33 | 38 |
| | B | 15 | 83 | 40 | 2 | 38 | 46 |
| | C | 22 | 89 | 40 | 4 | 36 | 40 |
| | D | 14 | 63 | 40 | 4 | 36 | 57 |
| | E | 13 | 27 | 40 | 1 | 39 | 100 |
| | F | 9 | 16 | 40 | 0 | 40 | 100 |
| | G | 17 | 27 | 150 | 0 | 150 | 100 |
| | H | 4 | 11 | 150 | 0 | 150 | 100 |
| 431 | A | 5 | 20 | 15 | 4 | 11 | 55 |
| | B | 6 | 20 | 15 | 2 | 13 | 65 |
| | C | 5 | 18 | 15 | 0 | 15 | 83 |
| | D | 5 | 18 | 15 | 0 | 15 | 83 |
| | E | 5 | 7 | 15 | 0 | 15 | 100 |
| | F | 4 | 9 | 15 | 0 | 15 | 100 |
| | G | 2 | 9 | 45 | 0 | 45 | 100 |
| | H | 5 | 6 | 45 | 0 | 45 | 100 |
| 433 | A | 11 | 42 | 20 | 4 | 16 | 38 |
| | B | 7 | 31 | 20 | 1 | 19 | 61 |
| | C | 3 | 39 | 20 | 3 | 17 | 44 |
| | D | 10 | 26 | 20 | 0 | 20 | 77 |
| | E | 3 | 15 | 20 | 0 | 20 | 100 |
| | F | 2 | 6 | 20 | 0 | 20 | 100 |
| | G | 6 | 18 | 60 | 1 | 59 | 100 |
| | H | 1 | 3 | 60 | 0 | 60 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 440 | A | 60 | 193 | 75 | 14 | 61 | 32 |
| | B | 22 | 101 | 75 | 7 | 68 | 67 |
| | C | 38 | 130 | 75 | 4 | 71 | 55 |
| | D | 28 | 110 | 75 | 3 | 72 | 65 |
| | E | 21 | 50 | 75 | 0 | 75 | 100 |
| | F | 16 | 24 | 75 | 1 | 74 | 100 |
| | G | 16 | 39 | 150 | 0 | 150 | 100 |
| | H | 8 | 15 | 150 | 0 | 150 | 100 |
| 442 | A | 125 | 434 | 165 | 31 | 134 | 31 |
| | B | 62 | 287 | 165 | 19 | 146 | 51 |
| | C | 68 | 483 | 165 | 27 | 138 | 29 |
| | D | 62 | 277 | 165 | 11 | 154 | 56 |
| | E | 55 | 113 | 165 | 0 | 165 | 100 |
| | F | 40 | 58 | 165 | 1 | 164 | 100 |
| | G | 73 | 120 | 300 | 3 | 297 | 100 |
| | H | 19 | 32 | 300 | 3 | 297 | 100 |
| 443 | A | 45 | 117 | 85 | 7 | 78 | 67 |
| | B | 28 | 94 | 85 | 1 | 84 | 89 |
| | C | 20 | 153 | 85 | 3 | 82 | 54 |
| | D | 22 | 97 | 85 | 1 | 84 | 87 |
| | E | 25 | 40 | 85 | 2 | 83 | 100 |
| | F | 5 | 14 | 85 | 2 | 83 | 100 |
| | G | 9 | 25 | 200 | 0 | 200 | 100 |
| | H | 2 | 14 | 200 | 0 | 200 | 100 |
| 446 | A | 5 | 8 | 10 | 3 | 7 | 88 |
| | B | 4 | 8 | 10 | 3 | 7 | 88 |
| | C | 2 | 17 | 10 | 0 | 10 | 59 |
| | D | 4 | 12 | 10 | 2 | 8 | 67 |
| | E | 3 | 8 | 10 | 0 | 10 | 100 |
| | F | 2 | 10 | 10 | 0 | 10 | 100 |
| | G | 9 | 15 | 40 | 0 | 40 | 100 |
| | H | 2 | 3 | 40 | 0 | 40 | 100 |
| 447 | A | 3 | 14 | 10 | 1 | 9 | 64 |
| | B | 5 | 9 | 10 | 1 | 9 | 100 |
| | C | 0 | 23 | 10 | 0 | 10 | 43 |
| | D | 3 | 15 | 10 | 1 | 9 | 60 |
| | E | 0 | 2 | 10 | 0 | 10 | 100 |
| | F | 0 | 0 | 10 | 0 | 10 | 100 |
| | G | 4 | 7 | 40 | 0 | 40 | 100 |
| | H | 2 | 6 | 40 | 0 | 40 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 448 | A | 3 | 24 | 15 | 4 | 11 | 46 |
| | B | 6 | 26 | 15 | 3 | 12 | 46 |
| | C | 10 | 27 | 15 | 2 | 13 | 48 |
| | D | 6 | 13 | 15 | 1 | 14 | 100 |
| | E | 4 | 6 | 15 | 0 | 15 | 100 |
| | F | 1 | 5 | 15 | 0 | 15 | 100 |
| | G | 3 | 12 | 45 | 0 | 45 | 100 |
| | H | 2 | 4 | 45 | 1 | 44 | 100 |
| 449 | A | 14 | 42 | 15 | 3 | 12 | 29 |
| | B | 5 | 34 | 15 | 3 | 12 | 35 |
| | C | 5 | 33 | 15 | 2 | 13 | 39 |
| | D | 9 | 41 | 15 | 1 | 14 | 34 |
| | E | 3 | 10 | 15 | 0 | 15 | 100 |
| | F | 4 | 15 | 15 | 0 | 15 | 100 |
| | G | 21 | 17 | 45 | 2 | 43 | 100 |
| | H | 4 | 5 | 45 | 0 | 45 | 100 |
| 450 | A | 6 | 30 | 15 | 3 | 12 | 40 |
| | B | 6 | 9 | 15 | 1 | 14 | 100 |
| | C | 8 | 20 | 15 | 1 | 14 | 70 |
| | D | 6 | 9 | 15 | 0 | 15 | 100 |
| | E | 1 | 6 | 15 | 0 | 15 | 100 |
| | F | 3 | 1 | 15 | 0 | 15 | 100 |
| | G | 2 | 4 | 45 | 0 | 45 | 100 |
| | H | 0 | 2 | 45 | 0 | 45 | 100 |
| 451 | A | 3 | 21 | 20 | 1 | 19 | 90 |
| | B | 3 | 9 | 20 | 0 | 20 | 100 |
| | C | 9 | 15 | 20 | 0 | 20 | 100 |
| | D | 4 | 7 | 20 | 0 | 20 | 100 |
| | E | 1 | 5 | 20 | 0 | 20 | 100 |
| | F | 1 | 5 | 20 | 0 | 20 | 100 |
| | G | 2 | 8 | 60 | 0 | 60 | 100 |
| | H | 2 | 3 | 60 | 0 | 60 | 100 |
| 454 | A | 2 | 23 | 5 | 1 | 4 | 17 |
| | B | 3 | 8 | 5 | 0 | 5 | 63 |
| | C | 2 | 15 | 5 | 1 | 4 | 27 |
| | D | 7 | 22 | 5 | 0 | 5 | 23 |
| | E | 2 | 2 | 5 | 0 | 5 | 100 |
| | F | 1 | 6 | 5 | 0 | 5 | 83 |
| | G | 6 | 15 | 25 | 1 | 24 | 100 |
| | H | 6 | 3 | 25 | 0 | 25 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 456 | A | 0 | 4 | 5 | 0 | 5 | 100 |
| | B | 0 | 4 | 5 | 0 | 5 | 100 |
| | C | 1 | 2 | 5 | 1 | 4 | 100 |
| | D | 3 | 7 | 5 | 0 | 5 | 71 |
| | E | 0 | 1 | 5 | 0 | 5 | 100 |
| | F | 0 | 0 | 5 | 0 | 5 | 100 |
| | G | 1 | 2 | 25 | 0 | 25 | 100 |
| | H | 0 | 0 | 25 | 0 | 25 | 100 |
| 457 | A | 6 | 14 | 15 | 2 | 13 | 93 |
| | B | 6 | 10 | 15 | 2 | 13 | 100 |
| | C | 1 | 32 | 15 | 1 | 14 | 44 |
| | D | 6 | 17 | 15 | 0 | 15 | 88 |
| | E | 5 | 4 | 15 | 0 | 15 | 100 |
| | F | 0 | 0 | 15 | 0 | 15 | 100 |
| | G | 2 | 7 | 45 | 0 | 45 | 100 |
| | H | 1 | 2 | 45 | 0 | 45 | 100 |
| 458 | A | 5 | 16 | 10 | 0 | 10 | 63 |
| | B | 3 | 3 | 10 | 0 | 10 | 100 |
| | C | 4 | 2 | 10 | 0 | 10 | 100 |
| | D | 2 | 6 | 10 | 0 | 10 | 100 |
| | E | 1 | 3 | 10 | 0 | 10 | 100 |
| | F | 0 | 0 | 10 | 0 | 10 | 100 |
| | G | 1 | 2 | 40 | 0 | 40 | 100 |
| | H | 0 | 0 | 40 | 0 | 40 | 100 |
| 459 | A | 6 | 64 | 25 | 2 | 23 | 36 |
| | B | 2 | 30 | 25 | 1 | 24 | 80 |
| | C | 6 | 47 | 25 | 3 | 22 | 47 |
| | D | 7 | 41 | 25 | 1 | 24 | 59 |
| | E | 1 | 22 | 25 | 0 | 25 | 100 |
| | F | 4 | 5 | 25 | 0 | 25 | 100 |
| | G | 2 | 25 | 75 | 0 | 75 | 100 |
| | H | 0 | 10 | 75 | 0 | 75 | 100 |
| 461 | A | 83 | 315 | 130 | 22 | 108 | 34 |
| | B | 64 | 175 | 130 | 9 | 121 | 69 |
| | C | 63 | 286 | 130 | 10 | 120 | 42 |
| | D | 41 | 154 | 130 | 3 | 127 | 82 |
| | E | 44 | 80 | 130 | 1 | 129 | 100 |
| | F | 29 | 35 | 130 | 0 | 130 | 100 |
| | G | 40 | 62 | 250 | 1 | 249 | 100 |
| | H | 16 | 20 | 250 | 0 | 250 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 462 | A | 84 | 263 | 125 | 7 | 118 | 45 |
| | B | 46 | 129 | 125 | 16 | 109 | 84 |
| | C | 53 | 244 | 125 | 6 | 119 | 49 |
| | D | 51 | 207 | 125 | 3 | 122 | 59 |
| | E | 47 | 69 | 125 | 1 | 124 | 100 |
| | F | 19 | 20 | 125 | 0 | 125 | 100 |
| | G | 48 | 71 | 300 | 2 | 298 | 100 |
| | H | 19 | 23 | 300 | 0 | 300 | 100 |
| 463 | A | 20 | 89 | 35 | 8 | 27 | 30 |
| | B | 8 | 50 | 35 | 3 | 32 | 64 |
| | C | 8 | 64 | 35 | 4 | 31 | 48 |
| | D | 5 | 42 | 35 | 0 | 35 | 83 |
| | E | 9 | 20 | 35 | 0 | 35 | 100 |
| | F | 3 | 16 | 35 | 0 | 35 | 100 |
| | G | 11 | 10 | 70 | 0 | 70 | 100 |
| | H | 3 | 9 | 70 | 0 | 70 | 100 |
| 464 | A | 16 | 100 | 45 | 1 | 44 | 44 |
| | B | 14 | 55 | 45 | 0 | 45 | 82 |
| | C | 16 | 86 | 45 | 0 | 45 | 52 |
| | D | 19 | 55 | 45 | 0 | 45 | 82 |
| | E | 10 | 13 | 45 | 0 | 45 | 100 |
| | F | 6 | 6 | 45 | 0 | 45 | 100 |
| | G | 6 | 15 | 100 | 0 | 100 | 100 |
| | H | 5 | 4 | 100 | 0 | 100 | 100 |
| 465 | A | 17 | 62 | 45 | 1 | 44 | 71 |
| | B | 16 | 45 | 45 | 1 | 44 | 98 |
| | C | 15 | 74 | 45 | 0 | 45 | 61 |
| | D | 13 | 51 | 45 | 0 | 45 | 88 |
| | E | 13 | 13 | 45 | 0 | 45 | 100 |
| | F | 2 | 2 | 45 | 0 | 45 | 100 |
| | G | 5 | 13 | 100 | 0 | 100 | 100 |
| | H | 2 | 1 | 100 | 0 | 100 | 100 |
| 466 | A | 43 | 167 | 85 | 7 | 78 | 47 |
| | B | 22 | 122 | 85 | 4 | 81 | 66 |
| | C | 26 | 173 | 85 | 3 | 82 | 47 |
| | D | 18 | 87 | 85 | 0 | 85 | 98 |
| | E | 12 | 22 | 85 | 0 | 85 | 100 |
| | F | 9 | 9 | 85 | 0 | 85 | 100 |
| | G | 15 | 30 | 200 | 0 | 200 | 100 |
| | H | 5 | 7 | 200 | 0 | 200 | 100 |

Appendix E. Continued

| Permit area | Time period | Registered harvest | Applicants | Permits available | | | Chance of general lottery applicant being drawn (%) ^b |
|-------------|-------------|--------------------|------------|-------------------|------------------------|-----------------|--|
| | | | | Total | Landowner ^a | General lottery | |
| 467 | A | 31 | 133 | 65 | 9 | 56 | 42 |
| | B | 14 | 72 | 65 | 4 | 61 | 85 |
| | C | 27 | 132 | 65 | 2 | 63 | 48 |
| | D | 15 | 89 | 65 | 6 | 59 | 66 |
| | E | 12 | 28 | 65 | 0 | 65 | 100 |
| | F | 7 | 20 | 65 | 0 | 65 | 100 |
| | G | 18 | 35 | 150 | 2 | 148 | 100 |
| | H | 11 | 14 | 150 | 1 | 149 | 100 |
| 601 | A | 123 | 418 | 175 | 5 | 170 | 41 |
| | B | 59 | 299 | 175 | 5 | 170 | 57 |
| | C | 99 | 343 | 175 | 3 | 172 | 50 |
| | D | 58 | 245 | 175 | 1 | 174 | 71 |
| | E | 55 | 95 | 175 | 0 | 175 | 100 |
| | F | 48 | 48 | 175 | 0 | 175 | 100 |
| | G | 74 | 111 | 250 | 0 | 250 | 100 |
| | H | 41 | 45 | 250 | 0 | 250 | 100 |

^a Landowners were allotted up to 20% of the total permits available for each permit area and time period. Unused landowner permits were made available in the general lottery.

^b Chance of general lottery applicant being drawn assumes no hunter preference

PRAIRIE-CHICKEN HARVEST IN MINNESOTA DURING 2009

Michael A. Larson, Forest Wildlife Populations and Research Group

INTRODUCTION

Hunting seasons for prairie-chickens (*Tympanuchus cupido pinnatus*) in Minnesota were closed from 1943 through 2002. During October 2003 a limited-entry, 5-day hunting season for prairie-chickens was held within 7 contiguous permit areas in western Minnesota. Opportunities to purchase a hunting permit were awarded through a lottery system, and each licensed hunter could harvest a maximum of 2 prairie-chickens. The same format was implemented for prairie-chicken hunting seasons during 2004 and 2005. The number of permit areas was increased to 11 in 2006 and have remained the same since then (Figure 1). Permit areas 804A–811A (i.e., those south of U.S. Highway 2) are in an area that is closed to the hunting of sharp-tailed grouse (*Tympanuchus phasianellus*). Licensed prairie-chicken hunters in those permit areas, however, are allowed to take up to a regular bag limit of sharp-tailed grouse while hunting prairie-chickens. The objective of this report is to document results of the 2009 prairie-chicken hunting season.

METHODS

The Electronic Licensing System (ELS) automatically recorded all lottery applications, lottery results, and purchases of permits. Prairie-chicken hunters are not required to register their harvested birds in the ELS, so I sent a postcard survey by mail to all people who were successful in the lottery. Approximately 3 weeks later I sent the postcard survey a second time to people who had not responded to the first mailing. The survey consisted of the following 5 questions: did you hunt, how many days did you hunt, how many prairie-chickens did you bag, how many sharp-tailed grouse did you bag while hunting for prairie-chickens, and how satisfied were you with the hunt?

To summarize hunting results for this report I used only responses from lottery winners who purchased a hunting permit. I checked to ensure that responses from people who replied to the first mailing were similar to responses from people who replied to the second mailing. Then, to estimate the numbers of hunters and birds harvested, I assumed that nonrespondents would have had the same average response as all those who responded to either mailing of the survey.

RESULTS & DISCUSSION

One hundred eighty-six prairie-chicken hunting permits were available during 2009. There were 179 lottery winners, and 14 of them were landowners (Table 1). There were fewer applicants than available permits in 2 of the permit areas. One hundred forty-six lottery winners purchased a permit. Two lottery winners who did not purchase a permit reported hunting, so I considered there to be 148 permit purchasers in 2009. One hundred eight permit purchasers (73%) responded to the first mailing of the survey, and 21 (14%) responded to the second mailing, so the response rate of purchasers was 87% (i.e., 129 of 148).

Seven purchasers who responded to the survey reported that they did not hunt (5%), and 122 respondents reported hunting, so there were an estimated 141 hunters (Table 2). Hunters hunted an average of 2.1 days during the October 17th–21st season. Hunters reported harvesting 102 prairie-chickens, and the estimated total harvest was 120 prairie-chickens (Table 2). I estimated that 76 hunters bagged at least 1 prairie-chicken (54%). The average rating for hunter satisfaction on a 1–5 scale was 3.4 (median = 4), and 75% of the 122 respondents to this question reported a satisfaction level of 3 or greater.

The hunter success rate and harvest and during 2009 were very similar to the averages for the previous 3 years when similar numbers of permits were offered (Table 3). The number of applicants has been similar during the last 5 years; hunter success rates and total harvest have been more variable. Hunter satisfaction is highly correlated with hunter success ($r = 0.74$, $n = 6$, Table 3).

Prairie-chicken hunters reported bagging 15 sharp-tailed grouse while hunting prairie-chickens, and the estimated harvest was 16 sharp-tailed grouse. These sharp-tailed grouse were harvested from permit areas 801A–807A, and half of them were harvested from permit area 805A (Figure 1).

ACKNOWLEDGEMENTS

I appreciate the help of Laura Gilbert in preparing and mailing the survey and in data entry, and comments from Mark Lenarz and Wes Bailey helped me improve the clarity of the report.

Table 1. Results of the lottery for prairie-chicken hunting permits in Minnesota during 2009.

| Permit area | Permits available | No. of applicants | Lottery winners | |
|-------------|-------------------|-------------------|---------------------|------------|
| | | | Number ^a | Proportion |
| 801A | 10 | 3 | 3 | 1.00 |
| 802A | 10 | 7 | 7 | 1.00 |
| 803A | 10 | 13 | 10 | 0.77 |
| 804A | 17 | 40 | 17 | 0.43 |
| 805A | 20 | 84 | 22 | 0.26 |
| 806A | 17 | 72 | 18 | 0.25 |
| 807A | 25 | 63 | 25 | 0.40 |
| 808A | 20 | 29 | 20 | 0.69 |
| 809A | 20 | 65 | 20 | 0.31 |
| 810A | 27 | 101 | 27 | 0.27 |
| 811A | 10 | 35 | 10 | 0.29 |
| All | 186 | 512 | 179 | 0.35 |

^a Extra permits may be awarded in a permit area when the last applicant selected in the lottery applied as a member of a hunting party.

Table 2. Hunter harvest of prairie-chickens in Minnesota during 2009.

| Permit area | No. of hunters ^a | | Birds harvested | | Birds per harvester ^b | Success rate ^c |
|-------------|-----------------------------|-----------|-----------------|-----------|----------------------------------|---------------------------|
| | Self-reported | Estimated | Self-reported | Estimated | | |
| 801A | 2 | 2 | 0 | 0 | | 0.00 |
| 802A | 6 | 6 | 8 | 8 | 2.0 | 0.67 |
| 803A | 7 | 8 | 2 | 2 | 1.0 | 0.25 |
| 804A | 13 | 15 | 13 | 15 | 1.7 | 0.60 |
| 805A | 15 | 17 | 18 | 20 | 1.7 | 0.71 |
| 806A | 13 | 15 | 8 | 10 | 1.4 | 0.47 |
| 807A | 18 | 20 | 20 | 23 | 1.5 | 0.75 |
| 808A | 11 | 14 | 14 | 19 | 1.7 | 0.79 |
| 809A | 16 | 16 | 7 | 8 | 1.3 | 0.38 |
| 810A | 15 | 20 | 11 | 14 | 1.6 | 0.45 |
| 811A | 6 | 8 | 1 | 1 | 1.0 | 0.13 |
| All | 122 | 141 | 102 | 120 | 1.6 | 0.54 |

^a Number of permit purchasers who actually went hunting.

^b Estimated number of prairie-chickens harvested per successful hunter.

^c Proportion of estimated hunters who harvested ≥ 1 prairie-chicken.

Table 3. Annual summary of prairie-chicken hunting results in Minnesota during 2003–2009.

| Year | Permits available | Applicants | Birds harvested | Success rate ^a | Hunter satisfaction ^b |
|------|-------------------|------------|-----------------|---------------------------|----------------------------------|
| 2003 | 100 | 853 | 115 | 0.68 | 4.4 |
| 2004 | 101 | 759 | 51 | 0.37 | 3.6 |
| 2005 | 110 | 500 | 90 | 0.58 | 4.0 |
| 2006 | 182 | 512 | 92 | 0.40 | 3.6 |
| 2007 | 187 | 519 | 122 | 0.53 | |
| 2008 | 186 | 535 | 141 | 0.62 | 3.9 |
| 2009 | 186 | 512 | 120 | 0.54 | 3.4 |

^a Proportion of hunters who harvested ≥ 1 prairie-chicken.

^b Average on a 1–5 scale.

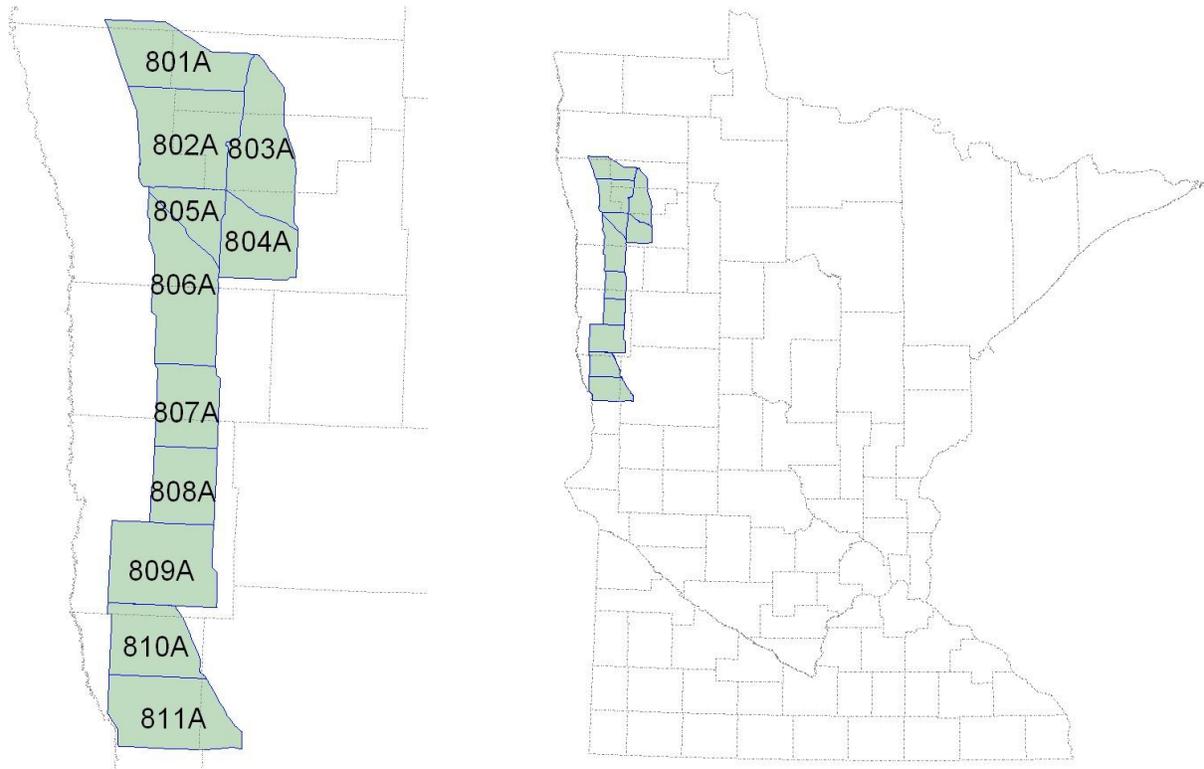


Figure 1. Map of permit areas for prairie-chicken hunting in Minnesota (left) and their location relative to counties within the state (right).

2009 MINNESOTA BEAR HARVEST REPORT

David Garshelis, Karen Noyce, Forest Wildlife and Populations Research Group

INTRODUCTION

The Minnesota bear range is divided into 11 bear management units (BMUs, Figure 1). Each has a separate quota on hunting licenses. Outside the primary bear range, where bear depredation to crops is a primary concern, license sales are unlimited (no-quota area). Hunters in this area can harvest two bears, and beginning in 2005 hunters could purchase both a quota and no-quota license. In all areas the season runs from September 1 through mid-October. About 80% of hunters use bait. This report summarizes status and trends in harvests and population size and structure.

METHODS

Successful hunters must register their bears at designated registration stations. Stations are not staffed by DNR personnel. Harvest data are a simple tally of these registrations, which for the most part are done electronically. Hunters also are required to submit a tooth from harvested bears (compliance \approx 70%), which is used to estimate age. Some years, including this year, they were also requested to submit a section of rib bone. Hunters receive a postage-paid tooth envelope when they register their bear, and extract and submit the tooth and rib samples themselves. Teeth samples are used to estimate harvest age structure. Rib samples are used to check for tetracycline, the biomarker that is used to obtain statewide mark-recapture population estimates. The most recent tetracycline-marking was done in the summer of 2008, and samples were collected that year to derive a preliminary population estimate. Tetracycline persists in bones for several years, so the collection this year helps to refine the 2008 estimate.

RESULTS

The number of permits available to hunters steadily increased through the 1980–1990s, peaking at 20,840 in 1999 (Table 1). Since then the number of permits has been incrementally reduced to a low of 10,000 in 2009 (approximately 1994 level). Permits were reduced in 8 of 11 BMUs to reduce harvest pressure and over-crowding (Table 2). Due to this reduction, only 1 BMU (BCAWA) was undersubscribed (Table 3). Surplus licenses were offered only to applicants who chose this BMU as a second choice, but none of them elected to purchase a license.

The estimated number of hunters in the field in 2009 (9,300) also was the lowest since 1994 (Table 1). Total harvest (2,801) was higher than expected because the success rate (30%) was atypically high, compared to the past 6 years (Table 1). The high success rate appears largely attributable to the reduced number of hunters (Figure 2).

Harvest increased from 2008 to 2009 in every BMU except 22 and 45 (Table 4). The downward trend in BMU 45 may suggest a population decline. Other BMUs had harvests near the 5-year mean, or slightly below, simply reflecting the reduced number of hunters in most areas. BMU 11 (northwest no quota; Figure 1) continues to show a strong harvest, reflecting an increased density of bears.

Hunting success was above the 5-year mean for all BMUs except one, and was especially high in BMUs 22, 24 and 31 (Table 5). Only BMU 45 had a lower than expected success rate. Chronology of the harvest was typical, with 74% of bears harvested in the first week (Table 6).

Two key factors, fall food abundance and hunter numbers, explain most of the year-to-year variation in the number of bears killed each year (Figure 3). A regression analysis based on these 2 variables predicted a higher harvest than actually occurred during 2002–2008, but the prediction was accurate for 2009, probably because of reduced hunter numbers (Figure 2, 3). Productivity of oak, dogwood and hazel, the 3 key fall foods for bears, was average or above average (especially east-central) in 2009.

Tetracycline baits set in the summer of 2008 resulted in the biomarking of ~470 bears. From harvests in 2008 and 2009, 3,182 rib and teeth samples were examined, of which 90 were marked (2.8% in pooled sample). A range of population estimates can be obtained, depending on which recovery sample (2008, 2009, or a combination of the 2) is used. Presently, the “best” estimate is $\sim 20,000 \pm 5,500$, which is $\sim 5,000$ bears less than the 2002 estimate (Figure 4).

DISCUSSION

Harvests of bears remained consistently high during 2003–2007 (Table 1), masking an apparent decline in the population. These high harvests (>3000 bears) were due to consistently high hunting success. A reduction in permits, and thus number of hunters, should reduce the harvest in the next few years, and enable the population to grow. The population is being managed at a level that provides good hunting opportunities but also socially tolerable nuisance activity. There is no target population number, but rather a range that meets these criteria. In fact, the target population is likely to fluctuate. With a smaller population size during the 1980s, nuisance activity was often intolerable (during poor food years, at least). Since 2002, nuisance complaints have been consistently low, reflecting consistently good natural food supplies as well as a change in behavior of people (better at removing attractants, such as garbage and birdseed, and also less apt to complain about bears). Thus, it is possible that the population could grow to a higher level (e.g., 25,000) and still be publicly acceptable.

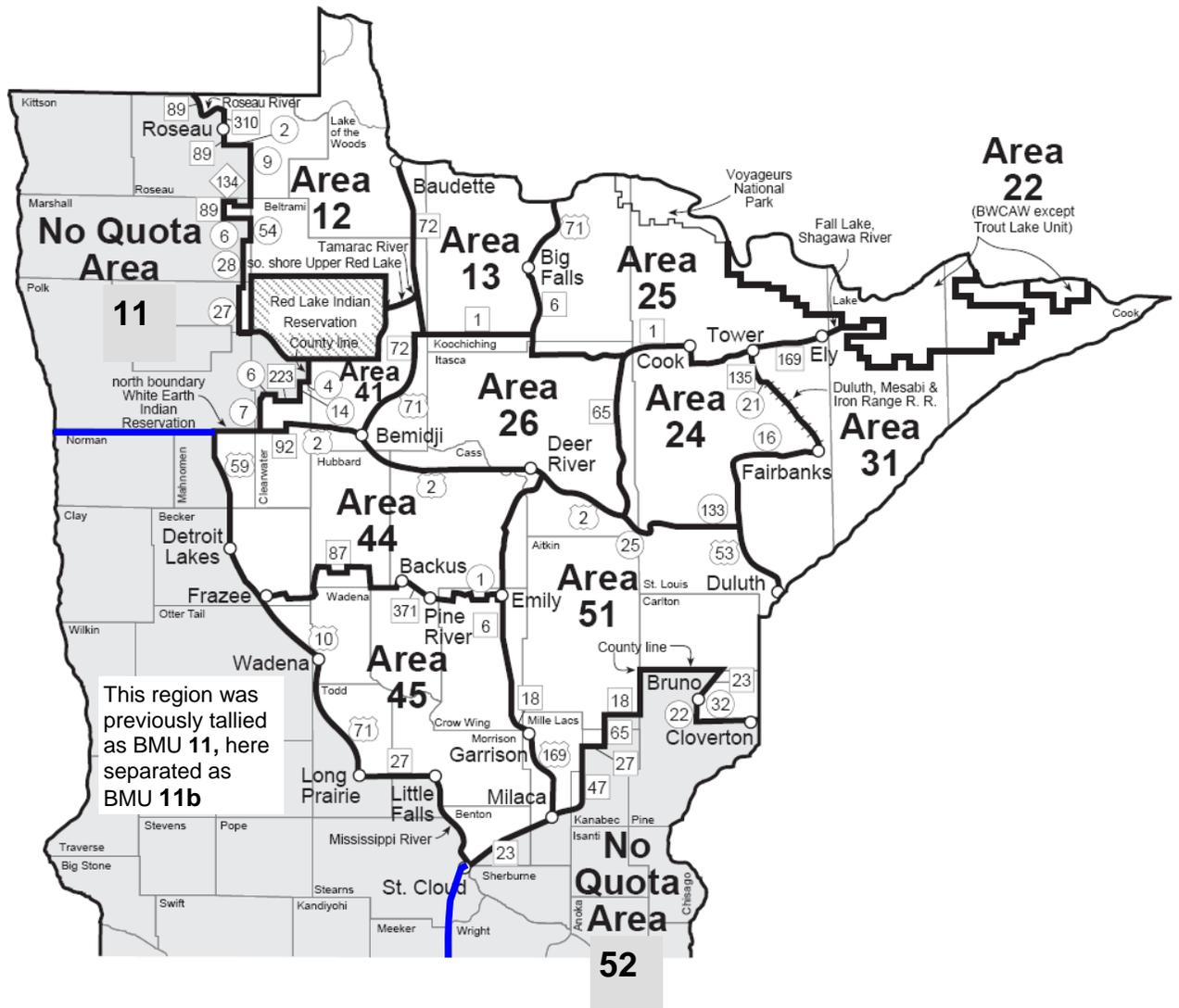


Figure 1. Bear management units (BMUs) within quota (white) and no-quota (gray) zones. Hunters in the quota zone are restricted to a single BMU, whereas no-quota hunters can hunt anywhere within that zone.

Table 1. Bear permits, licenses, hunters, harvests, and success rates, 1990–2009.

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|--------------------|
| Permit applications | 24861 | 25890 | 26428 | 27365 | 30127 | 29922 | 30405 | 27353 | 30245 | 29384 | 29275 | 26824 | 21886 | 16431 | 16466 | 16153 | 15725 | 16345 | 17362 ^a | 17571 ^a |
| Permits available | 6370 | 7140 | 7920 | 8630 | 9400 | 11950 | 12030 | 11370 | 18210 | 20840 | 20710 | 20710 | 20610 | 20110 | 16450 | 15950 | 14850 | 13200 | 11850 | 10000 |
| Licenses purchased (total) | 7094 | 7757 | 8485 | 9224 | 9826 | 12448 | 12414 | 11440 | 16737 | 18355 | 19304 | 16510 | 14639 | 14409 | 13669 | 13199 | 13164 | 11936 | 10404 | 9892 |
| Quota area ^b | 5568 | 6257 | 6845 | 7528 | 8125 | 10304 | 10592 | 9655 | 14941 | 16563 | 17021 | 13632 | 12350 | 9833 | 10063 | 9340 | 9169 | 8905 | 7842 | 7342 |
| Quota surplus/military ^b | | | | | | | | | | | | 235 | 209 | 2554 | 1356 | 1591 | 1561 | 526 | 233 | 77 ^c |
| No-quota area ^b | 1526 | 1500 | 1640 | 1696 | 1701 | 2144 | 1822 | 1785 | 1796 | 1792 | 2283 | 2643 | 2080 | 2022 | 2238 | 2268 | 2434 | 2505 | 2329 | 2473 |
| % Licenses bought ^d | | | | | | | | | | | | | | | | | | | | |
| Of permits available ^d | 87.4 | 87.6 | 86.4 | 87.2 | 86.4 | 86.2 | 88.0 | 84.9 | 82.0 | 79.5 | 82.2 | 67.0 | 60.9 | 61.6 | 69.4 | 68.5 | 72.3 | 71.4 | 67.7 | 73.4 |
| Of permits issued ^d | | | | | | | | | 84.4 | 87.2 | 83.9 | 69.8 | 66.3 | 65.7 | 68.3 | 67.1 | 68.9 | 70.0 | 67.2 | 73.8 |
| Estimated no. hunters ^e | 6600 | 7200 | 7900 | 8600 | 9100 | 11600 | 11500 | 10300 | 14500 | 15900 | 16800 | 15500 | 13700 | 13500 | 12800 | 12400 | 12400 | 11200 | 9800 | 9300 |
| Harvest | 2381 | 2143 | 3175 | 3003 | 2329 | 4956 | 1874 | 3212 | 4110 | 3620 | 3898 | 4936 | 1915 | 3598 | 3391 | 3340 | 3290 | 3172 | 2135 | 2801 |
| Harvest sex ratio (%M) ^f | 52 | 59 | 50 | 56 | 62 | 47 | 62 | 55 | 55 | 53 | 58 | 56 | 61 | 58 | 57 | 59 | 58 | 57 | 62 | 59 |
| Success rate (%) ^g | | | | | | | | | | | | | | | | | | | | |
| Total harvest/hunters | 36 | 30 | 40 | 35 | 26 | 43 | 16 | 31 | 28 | 23 | 23 | 29 | 14 | 26 | 26 | 26 | 26 | 28 | 21 | 30 |
| Quota harvest/licenses | 35 | 30 | 41 | 34 | 26 | 42 | 15 | 29 | 25 | 20 | 20 | 28 | 14 | 25 | 26 | 25 | 25 | 28 | 21 | 30 |

^a Includes area 99, a designation to increase preference but not to obtain a license (2008: $n = 528$, 2009 $n = 835$).

^b Quota area established in 1982. No-quota area established in 1987. Surplus licenses from undersubscribed quota areas sold beginning in 2000; originally open only to unsuccessful permit applicants, but beginning in 2003, open to all. In 2009, surplus permits available only to 2nd-choice applicants, but none purchased (see Table 3). Total licenses = quota + quota surplus + no-quota + military (no permit needed).

^c Free licenses for 10 and 11 year-olds were available beginning 2009 ($n = 45$), and included here with military licenses.

^d Quota licenses bought (including surplus)/permits available, or licenses bought (prior to surplus)/permits issued (permits issued more relevant for years when some areas were undersubscribed; see Table 3). Beginning in 2008, some permits were issued for area 99; these are no-hunt permits, just to increase preference, and are not included in this calculation.

^e Number of licensed hunters x percent of license-holders hunting. Percent hunting is based on data from bear hunter surveys conducted during 1981–91, 1998 (86.8%), and 2001 (93.9%).

^f Sex ratio as reported by hunters; hunters classify about 10% of female bears as males, so the actual harvest has a lower %M than shown here. In good food years, the harvest is more male-biased.

^g Success rates in 2001–2009 were calculated as number of successful hunters/total hunters, rather than bears killed/total hunters, because hunters could take 2 bears. In 2009, 52 hunters took more than 1 bear (46 took 2 bears on NQ license, 1 hunter took 1 quota and 1 NQ bear, and 5 hunters took 2 quota bears [illegally]): thus, the 2801 bears were taken by 2749 different hunters, so success = $2749/9300 = 30\%$.

Table 2. Number of bear hunting permits available per year, 2005–2009 (aligned with permit applications in Table 3 below; highlighted values show drop from previous year).

| BMU | 2009 | 2008 | 2007 | 2006 | 2005 |
|--------------|-------|-------|-------|-------|-------|
| 12 | 450 | 450 | 500 | 550 | 550 |
| 13 | 600 | 650 | 700 | 800 | 900 |
| 22 | 150 | 150 | 150 | 150 | 150 |
| 24 | 650 | 750 | 900 | 1000 | 1200 |
| 25 | 1250 | 1550 | 1700 | 1900 | 1900 |
| 26 | 1000 | 1150 | 1250 | 1500 | 1500 |
| 31 | 1300 | 1700 | 1900 | 2100 | 2100 |
| 41 | 400 | 400 | 400 | 450 | 450 |
| 44 | 1100 | 1350 | 1500 | 1700 | 1700 |
| 45 | 600 | 1000 | 1200 | 1200 | 1500 |
| 51 | 2500 | 2700 | 3000 | 3500 | 4000 |
| Total | 10000 | 11850 | 13200 | 14850 | 15950 |

Table 3. Number of bear hunting license applicants, and number and percent of available surplus licenses bought, 2005–2009^a. Shaded values indicate undersubscribed areas.

| BMU | 2009 | | 2008 | | 2007 | | 2006 | | 2005 | |
|--------------|--------------------|----------------|--------------------|----------------|-------|----------------|-------|----------------|-------|----------------|
| | Apps | Surplus bought | Apps | Surplus bought | Apps | Surplus bought | Apps | Surplus bought | Apps | Surplus bought |
| 12 | 876 | | 857 | | 811 | | 1005 | | 864 | |
| 13 | 700 | | 709 | | 745 | | 680 | 120 100% | 714 | 186 100% |
| 22 | 91 | 0 ^b | 85 | 50 77% | 87 | 51 81% | 92 | 58 100% | 65 | 46 54% |
| 24 | 843 | | 825 | | 742 | 159 100% | 624 | 367 98% | 749 | 270 60% |
| 25 | 1694 | | 1793 | 4 ^c | 1799 | | 1789 | 112 100% | 1923 | |
| 26 | 1874 | | 1999 | 2 ^c | 2028 | | 1915 | | 1997 | |
| 31 | 2423 | | 2388 | 3 ^c | 2383 | | 2290 | | 2097 | 4 100% |
| 41 | 685 | | 656 | | 577 | | 683 | | 653 | |
| 44 | 2787 | | 2821 | | 2669 | | 2838 | | 2884 | |
| 45 | 941 | | 873 | 128 100% | 936 | 266 100% | 840 | 360 100% | 927 | 346 60% |
| 51 | 3822 | | 3828 | | 3568 | | 2969 | 531 100% | 3276 | 726 100% |
| Total | 16736 ^d | | 16834 ^d | 178 92% | 16345 | 476 98% | 15725 | 1548 ~100% | 16149 | 1578 78% |

^a Surplus licenses available beginning in 2001. This was discontinued in 2009 and replaced by 2nd choice lottery applicants.

^b No 2nd choice applicants bought a license for BMU 22, so it remained undersubscribed.

^c Courtesy licenses issued by Commissioner, not actual surplus.

^d Beginning in 2008, applicants could apply for area 99 in order to receive preference, but not buy a license; these are not included in this total.

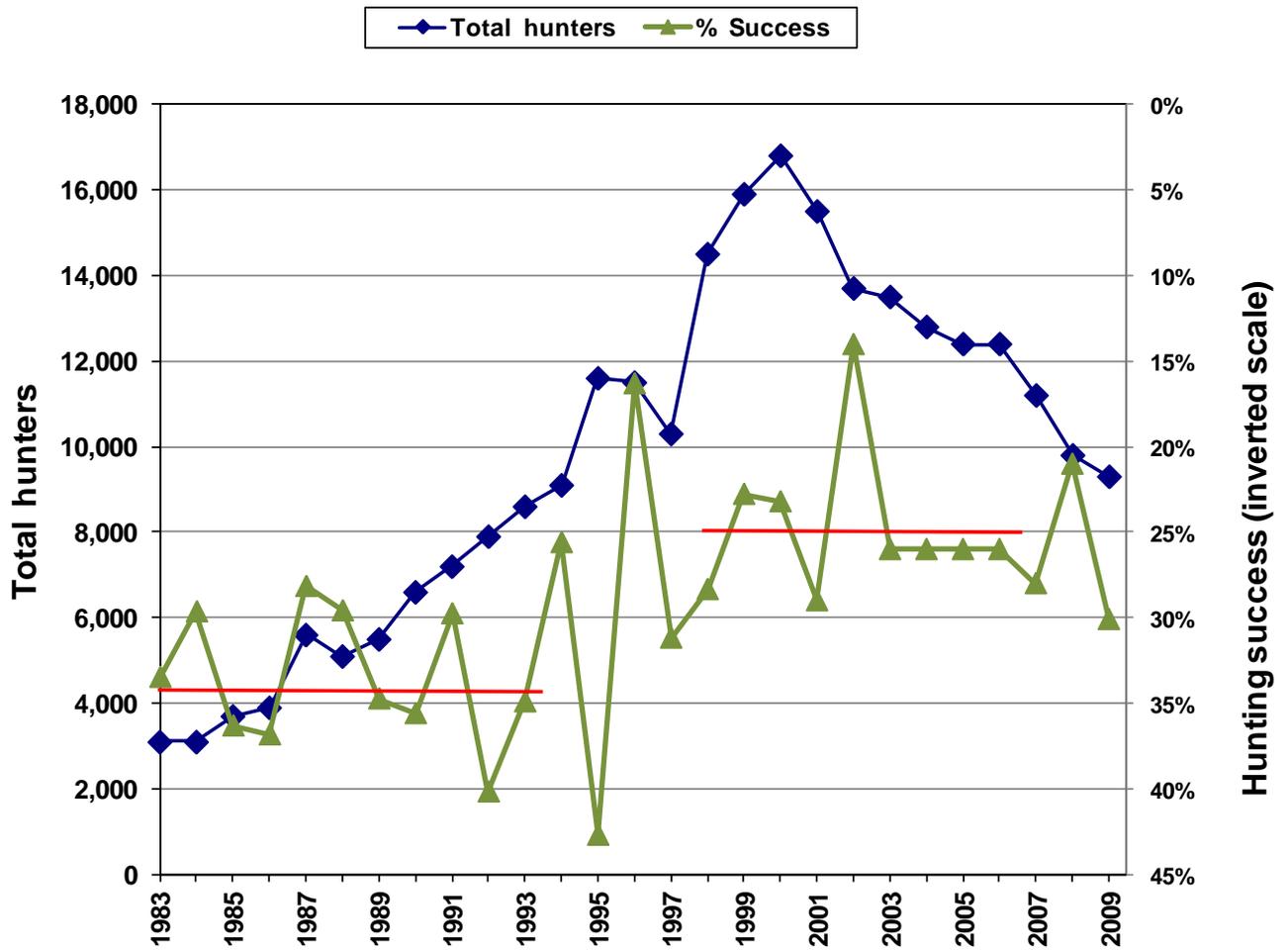


Figure 2. Relationship between hunting success (note inverted scale) and hunter numbers. Red horizontal lines show mean hunting success for periods with <9,000 hunters vs >12,000 hunters. Other variation in hunting success is mainly attributable to food conditions.

Table 4. Minnesota bear harvest tally^a for 2009 by Bear Management Unit (BMU) and sex compared to harvests during 2004-2008 and record high harvests.

| BMU | 2009 | | | | | 2008 | 2007 | 2006 | 2005 | 2004 | 5 year mean | Record high harvest (yr) |
|-----------------------|------|------|------|---|-----------------|------------------|------------------|-------------------|-------------------|------|-------------|--------------------------|
| | M | (%M) | F | U | Total | | | | | | | |
| Quota | | | | | | | | | | | | |
| 12 | 81 | (58) | 59 | 0 | 140 | 101 | 124 | 70 | 165 | 165 | 125 | 263 (01) |
| 13 | 101 | (68) | 48 | 0 | 149 | 129 | 163 | 151 | 205 | 197 | 169 | 258 (95) |
| 22 | 3 | (43) | 4 | 0 | 7 | 7 | 15 | 15 | 8 | 10 | 11 | 41 (89) |
| 24 | 77 | (51) | 74 | 0 | 151 | 100 ^b | 134 | 194 | 144 | 212 | 157 | 288 (95) |
| 25 | 187 | (54) | 157 | 0 | 344 | 298 ^b | 369 | 421 | 404 | 546 | 408 | 584 (01) |
| 26 | 114 | (50) | 112 | 2 | 228 | 137 ^b | 315 | 314 | 285 | 320 | 274 | 513 (95) |
| 31 | 256 | (67) | 128 | 0 | 384 | 248 ^b | 398 | 482 | 445 | 484 | 411 | 697 (01) |
| 41 | 55 | (53) | 49 | 0 | 104 | 77 | 104 | 40 | 104 | 83 | 82 | 201 (01) |
| 44 | 142 | (56) | 113 | 0 | 255 | 196 | 333 | 192 | 273 | 283 | 255 | 643 (95) |
| 45 | 20 | (48) | 22 | 0 | 42 ^c | 72 | 113 | 118 | 107 | 118 | 106 | 178 (01) |
| 51 | 258 | (62) | 158 | 0 | 416 | 344 | 557 | 721 | 505 | 544 | 534 | 895 (01) |
| Total | 1294 | (58) | 924 | 2 | 2220 | 1709 | 2625 | 2718 | 2759 ^d | 2962 | 2555 | 4288 (01) |
| No Quota ^e | | | | | | | | | | | | |
| 11 | 183 | (58) | 131 | 1 | 315 | 172 | 324 ^f | 114 | 334 | 175 | 224 | 351 ^d (05) |
| 11b ^g | 8 | (89) | 1 | 0 | 9 | 3 | 4 | 6 | 1 | 2 | 3 | |
| 52 | 156 | (61) | 101 | 0 | 257 | 251 | 219 | 400 | 223 | 252 | 269 | 400 (06) |
| Total | 347 | (60) | 233 | 1 | 581 | 426 | 547 | 520 | 581 ^d | 429 | 501 | 678 (95) |
| State | 1641 | (59) | 1157 | 3 | 2801 | 2135 | 3172 | 3290 ^d | 3340 ^d | 3391 | 3066 | 4956 (95) |

^a Hunters receive tooth envelopes and registration stations. The following table shows the number of tooth envelopes that had no corresponding registration slip or e-registration. These were added to the harvest tally.

| Year | Quota area | No-quota area |
|------|------------|---------------|
| 2004 | 96 | 39 |
| 2005 | 179 | 31 |
| 2006 | 63 | 15 |
| 2007 | 27 | 9 |
| 2008 | 23 | 4 |
| 2009 | 19 | 14 |

^b Lowest harvest since 1996.

^c Second lowest harvest in this BMU, since it was established in 1994.

^d The estimated registered harvest, including those in which registration data were lost and no tooth envelope was received. Value does not match column total because BMU data were uncorrected for lost registration data.

^e Some hunters with no-quota licenses hunted in the quota area, and their kills were assigned to the BMU where they apparently hunted ($n = 28$ in 2006, 27 in 2007, 14 in 2008, 3 in 2009). Some quota area hunters also apparently hunted in the wrong BMU, based on the block where they said they killed a bear, but these were recorded in the BMU where they were assigned, not the BMU of the indicated harvest block, presuming most were misreported kill locations.

^f Second highest harvest for this area. Third highest was 321 bears in 2001.

^g Subset of BMU 11 south of the main harvest area (Fig 2).

Table 5. Bear hunting success (%) by BMU, measured as the registered harvest (excluding second bear) divided by the number of licenses sold^a, 2004–2009.

| BMU | Mean success 2004-2008 | 2009 | | 2008 | | 2007 | | 2006 | | 2005 ^b | | 2004 | |
|------------------|---------------------------|-----------------|------------------------|-----------|------------------------|-----------|------------------------|-----------|------------------------|-------------------|------------------------|-----------|------------------------|
| | | % Success | % 2 bears ^c | % Success | % 2 bears ^c | % Success | % 2 bears ^c | % Success | % 2 bears ^c | % Success | % 2 bears ^c | % Success | % 2 bears ^c |
| <u>Quota</u> | $\frac{2}{5}$ | | | | | | | | | | | | |
| 12 | 32 | 39 | 32 | 36 | 19 | 41 | 33 | | | | | | |
| 13 | 30 | 32 | 28 | 31 | 24 | 32 | 33 | | | | | | |
| 22 | 11 | 16 ^d | 8 | 14 | 14 | 10 | 11 | | | | | | |
| 24 | 22 | 31 ^d | 20 | 20 | 25 | 20 | 27 | | | | | | |
| 25 | 32 | 36 | 28 ^e | 31 | 30 | 30 | 38 | | | | | | |
| 26 | 30 | 31 | 17 ^e | 36 | 30 | 34 | 31 | | | | | | |
| 31 | 29 | 38 ^d | 21 ^e | 28 | 33 | 31 | 33 | | | | | | |
| 41 | 26 | 34 | 27 | 35 | 13 | 31 | 23 | | | | | | |
| 44 | 22 | 30 | 21 | 30 | 16 | 24 | 20 | | | | | | |
| 45 | 13 | 11 ^e | 11 ^e | 14 | 14 | 13 | 12 | | | | | | |
| 51 | $\frac{2}{2}$ | 23 | 19 | 27 | 28 | 18 | 19 | | | | | | |
| <u>No Quota</u> | $\frac{2}{0}$ | | | | | | | | | | | | |
| <u>Statewide</u> | $\frac{2}{4}$ | | | | | | | | | | | | |

^a Harvest/licenses instead of harvest/hunters because BMU-year-specific estimates for the rate of hunting by licensed hunters are unreliable. Statewide estimates of harvest/hunters are presented in Table 1.

^b For 2005, estimated registered harvest was used instead of known registered harvest due to a large loss of registration data.

^c Percent of successful hunters that shot 2 bears; 2nd bear is not included in the calculation of hunting success. The taking of 2 bears was legal only in the no-quota area since 2002. A few hunters also apparently shot 2 bears in the quota area (and submitted 2 sets of teeth), but these are not shown here because the numbers are very low (see Table 1, footnote g).

^d Highest success since 1997 (BMU 22, 31 & statewide) or 1995 (BMU 24).

^e Lowest success since 2002.

^f Of the no-quota hunters, 34 took 2 bears in BMU 11 versus only 11 in BMU 52.

Table 6. Cumulative bear harvest (% of total harvest) by date, 1990–2009.

| Year | Day of week for opener | Aug 22/23 – Aug 31 | Sep 1 – Sep 7 | Sep 1 – Sep 14 | Sep 1 – Sep 30 |
|------|------------------------|--------------------|-----------------|----------------|----------------|
| 1990 | Sat | | 69 | 82 | 96 |
| 1991 | Sun | | 64 | 76 | 93 |
| 1992 | Tue | | 72 | 86 | 96 |
| 1993 | Wed | | 67 | 80 | 94 |
| 1994 | Thu | | 67 | 78 | 92 |
| 1995 | Fri | | 72 | 87 | 97 |
| 1996 | Sun | | 56 ^a | 70 | 87 |
| 1997 | Mon | | 76 | 88 | 97 |
| 1998 | Tue | | 76 | 87 | 96 |
| 1999 | Wed | | 69 | 81 | 95 |
| 2000 | Wed | 57 | 72 | 82 | 96 |
| 2001 | Wed | 67 | 82 | 88 | 98 |
| 2002 | Sun | | 57 ^a | 69 | 90 |
| 2003 | Mon | | 72 | 84 | 96 |
| 2004 | Wed | | 68 | 82 | 95 |
| 2005 | Thu | | 72 | 81 | 94 |
| 2006 | Fri | | 69 | 83 | 96 |
| 2007 | Sat | | 69 | 82 | 96 |
| 2008 | Mon | | 58 ^a | 71 | 92 |
| 2009 | Tue | | 74 | 86 | 96 |

^a The low proportion of total harvest taken during the opening week (<60%) reflects a high abundance of natural foods.

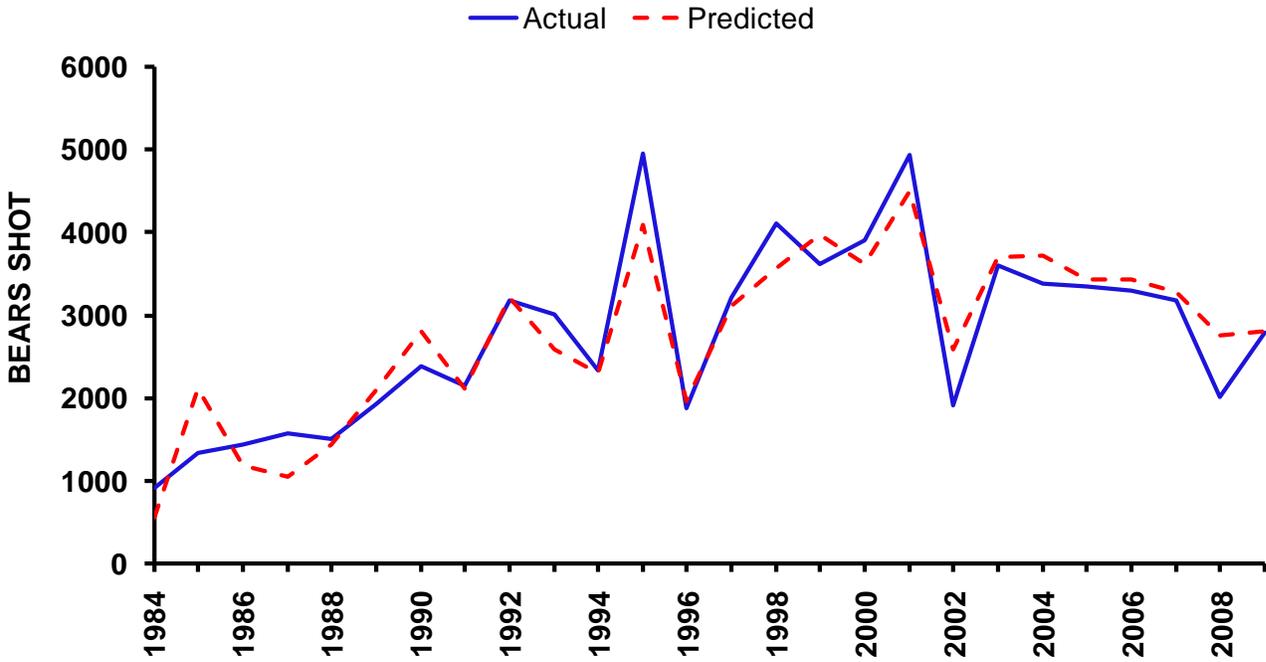


Figure 3. Number of bears harvested vs. number predicted, based on fall food abundance and hunter numbers. Prediction for 2009 based on regression from 1984–2008 (top graph; $R^2 = 0.86$) or 2000–2008 (bottom graph; $R^2 = 0.97$).

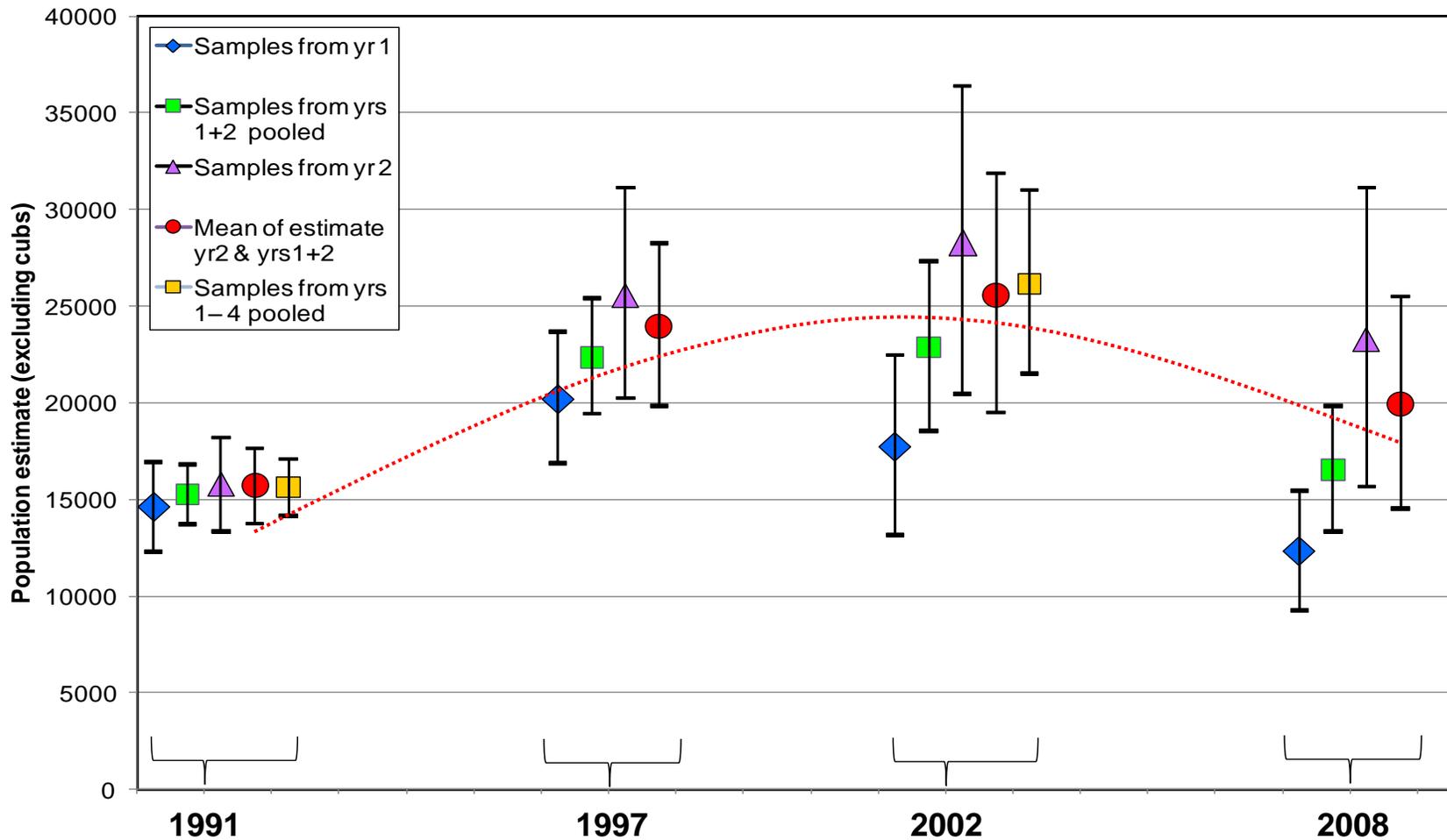


Figure 4. Statewide population estimates derived from tetracycline marking in 1991, 1997, 2002, and 2008. Each cluster of estimates pertains to the year of marking, with each point (and associated 95% CI) representing a different recapture sample (yr 1 = year of marking, yr 2 = year after marking). Simulation modeling suggested that samples pooled from multiple years (yellow squares) are likely to be most accurate, but in the absence of many years of sampling, the mean of the estimate derived from yr 2 samples and the estimate derived from yr 1+2 samples may be most reliable; thus, a red trend line is drawn through those points.

2009 MINNESOTA DEER HARVEST REPORT

Lou Cornicelli, Big Game / Season Program Consultant, Division of Fish and Wildlife

INTRODUCTION

The white-tailed deer may be considered Minnesota's most popular wildlife species. Each year 500,000 hunters harvest over 190,000. In 2009, hunters registered 194,186 deer

METHODS

Every deer taken by hunting in Minnesota must be registered within 24 hours of the close of the season under which the deer was taken. Deer may be registered at any of the 825 to nearly 900 "Big Game Registration" stations available throughout the state. Implementation of electronic licensing (ELS) has improved the efficiency and accuracy of deer harvest estimates and provides a more timely release of harvest information. Registered deer are recorded as adult buck, fawn buck, adult doe, or fawn doe. Additional information gathered at time of registration includes date of kill, deer permit area, and season.

RESULTS

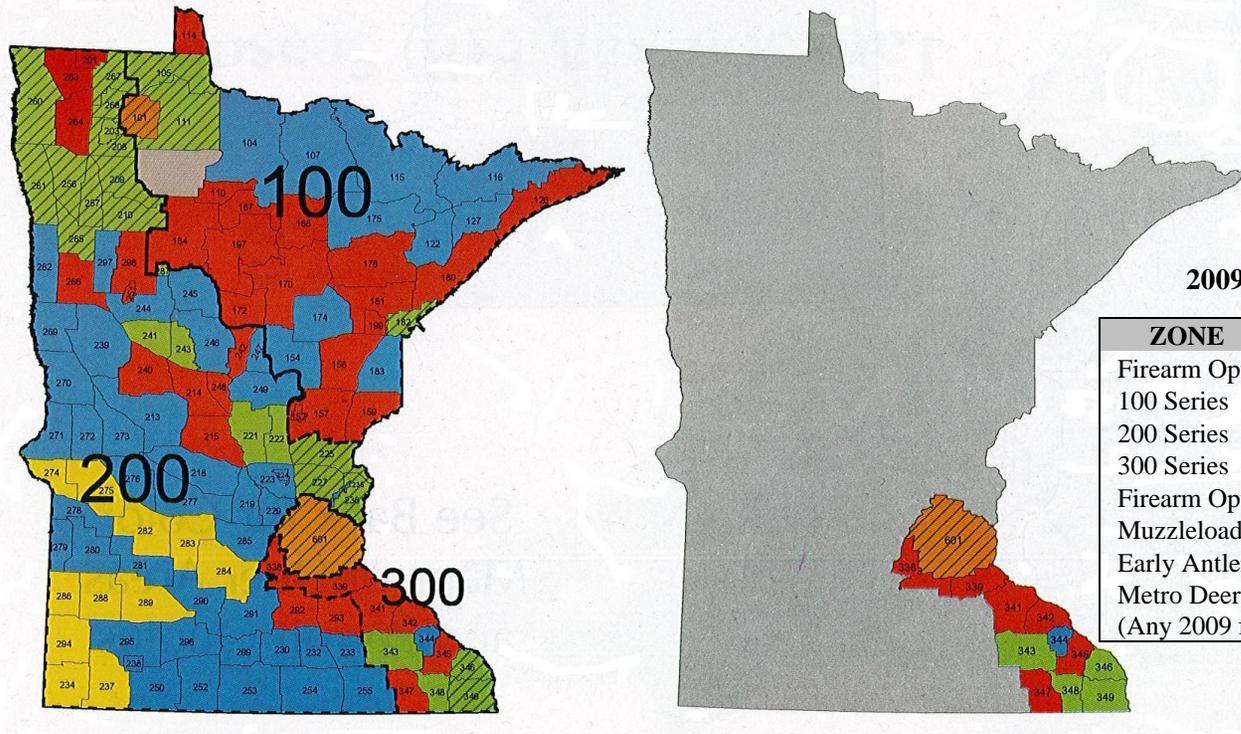
Outcome of the 2009 deer harvest are presented in the following tables.

2009 DEER AREA MANAGEMENT DESIGNATIONS

| KEY | |
|---|--|
|  | Youth Antlerless Only - 1 deer limit |
|  | Lottery - 1 deer limit |
|  | Managed - 2 deer limit |
|  | Intensive - 5 deer limit |
|  | No Limit Antlerless |
|  | Early Antlerless - 2 deer in addition to intensive |

Statewide (A) License

Late Southeast (B) License



2009 Minnesota Firearms Deer Seasons

| ZONE | DATES |
|---|-----------------|
| Firearm Option Statewide (A)* | |
| 100 Series | Nov. 7-22 |
| 200 Series | Nov. 7-15 |
| 300 Series | Nov. 7-15 |
| Firearm Option Late Southeast (B)** | Nov. 21-29 |
| Muzzleloader**** | Nov. 28-Dec. 13 |
| Early Antlerless Season*** | Oct. 10-11 |
| Metro Deer Management Area (601)*** (Any 2009 firearms or muzzleloader.) | Nov. 7-29 |

Figure 1. 2009 Firearms and Archery Deer Seasons.

2009 Minnesota Archery Deer Season Dates: September 19-December 31.

Antlerless deer and legal bucks may be taken by archery, except only legal bucks may be taken in permit areas that have no either-sex permits or have youth-only either-sex permits.

Table 1. Statewide Firearms, Archery, and Muzzleloader Harvest, License Sales, and Success Rates, 1999-2009.

| | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| REGULAR FIREARMS | | | | | | | | | | | |
| Resident License Sales | 395,745 | 400,814 | 401,005 | 367,964 | 344,875 | 309,698 | 291,298 | 299,774 | 285,286 | 376,006 | 377,077 |
| Non-Resident License Sales | 9,970 | 10,595 | 10,972 | 10,835 | 11,334 | 12,036 | 12,523 | 12,520 | 12,520 | 11,883 | 11,759 |
| Bonus Permit Sales | 23,785 | 34,802 | 59,013 | 105,699 | 194,201 | 183,186 | 184,566 | 167,343 | 145,522 | 190,156 | 140,920 |
| Multi-Zone Buck License Sales | 43,903 | 42,669 | 41,921 | 35,658 | 32,929 | 32,359 | 28,233 | 15,984 | 15,051 | N/A | N/A |
| Youth License Sales | 2,038 | 3,215 | 4,011 | 2,884 | 34,463 | 51,347 | 50,501 | 49,599 | 49,242 | 50,397 | 56,678 |
| All Season Deer License Sales | | 2,384 | 3,986 | 22,125 | 30,998 | 46,008 | 59,090 | 75,511 | 76,385 | N/A | N/A |
| Total License Sales | 475,441 | 495,289 | 519,601 | 545,165 | 648,800 | 634,634 | 626,211 | 620,731 | 584,006 | 628,442 | 586,434 |
| Registered Buck Harvest ¹ | 92,584 | 102,961 | 98,894 | 101,333 | 110,440 | 116,612 | 95,594 | 95,695 | 97,528 | 85,646 | 83,820 |
| Antlerless Permits Offered | 177,380 | 232,595 | 286,540 | 365,667 | 31,625 | 30,760 | 28,830 | 18,925 | 18,830 | 32,325 | 60,100 |
| Antlerless Permits Issued | 135,852 | 180,490 | 196,603 | 192,907 | 25,386 | 24,111 | 25,656 | 18,925 | 18,830 | 32,325 | 60,100 |
| Antlerless Permits App. | 214,597 | 237,571 | 225,341 | 202,086 | 30,253 | 28,454 | 31,403 | 31,403 | 31,403 | 31,403 | 90,882 |
| Registered AL Harvest ¹ | 71,681 | 88,492 | 98,169 | 102,280 | 147,420 | 123,278 | 119,363 | 135,981 | 118,860 | 98,147 | 78,525 |
| Registered Total Harvest ¹ | 164,265 | 191,453 | 197,063 | 203,613 | 257,860 | 239,890 | 214,957 | 231,676 | 216,388 | 183,793 | 162,345 |
| Registered % Successful ² | 34.8 | 38.6 | 37.9 | 37.3489 | 39.7 | 37.8 | 34.3 | 37.3 | 37.1 | 35.1 | 32.1 |
| Gun | 451,656 | 459,677 | 461,895 | 439,466 | 454,599 | 451,448 | 441,645 | 453,388 | 438,484 | 438,286 | 445,514 |
| ARCHERY | | | | | | | | | | | |
| Resident License Sales | 66,226 | 68,947 | 69,608 | 57,532 | 59,339 | 50,601 | 50,293 | 49,595 | 52,780 | 87,872 | 88,707 |
| Non-Resident License Sales | 1,073 | 1,271 | 1,288 | 1,275 | 1,428 | 1,144 | 1,207 | 1,286 | 1,509 | 1,509 | 1,610 |
| Youth Archery Sales | N/A | N/A | N/A | N/A | 3,748 | 7,261 | 7,489 | 7,688 | 7,663 | 9,005 | 9,157 |
| Mgmt Permit License Sales | 16,945 | 20,393 | 22,141 | 18,126 | N/A |
| Total License Sales | 84,244 | 90,611 | 93,037 | 76,933 | 60,767 | 59,006 | 58,989 | 58,569 | 61,952 | 99,033 | 99,474 |
| Total Harvest - Archery Lic/Bonus | 13,376 | 15,776 | 15,884 | 14,744 | 19,335 | 17,237 | 18,975 | 17,076 | 17,261 | 22,632 | 20,629 |
| Total Harvest - All-Season license | | | | | 2,356 | 3,489 | 4,563 | 8,284 | 6,900 | N/A | N/A |
| Total Archery Harvest | 13,376 | 15,776 | 15,884 | 14,744 | 21,691 | 20,726 | 23,538 | 25,360 | 24,161 | 22,632 | 20,629 |
| Registered % Successful ² | 15.8 | 17.4107 | 17.1 | 19.2 | 22.3 | 29.2 | 24.6 | 24.8 | 24.3 | 18.5 | 17.5 |
| MUZZLELOADER | | | | | | | | | | | |
| Total Muzzleloader License Sales | -- | 11,972 | 13,043 | 11,764 | 9,142 | 10,512 | 9,226 | 10,781 | 9,867 | 64,673 | 63,282 |
| Estimated All-Season Hunters | -- | -- | -- | -- | 12,020 | 14,168 | 23,293 | 23,293 | 26,813 | N/A | N/A |
| Total Muzzleloader Harvest | 2,928 | 4,548 | 4,494 | 3,505 | 9,466 | 9,289 | 15,421 | 13,507 | 12,138 | 9,572 | 7,929 |
| Registered % Successful ² | | 37.9886 | 34.5 | 29.8 | 44.7 | 37.6 | 47.4 | 39.6 | 28.2 | 13.4 | 11.3 |
| TOTAL Registered Harvest | 180,569 | 211,777 | 217,452 | 222,050 | 290,525 | 260,604 | 255,736 | 270,778 | 260,434 | 221,837 | 194,186 |

¹Does not include free landowner licenses

²Based on total license sales - does not include all-season deer

Table 2. Deer Harvest by License Type and Zone, 2009.

| Firearms/Zone | Hunters | Bucks | Harvest | | Overall Success |
|-----------------------------|----------------|---------------|---------------|----------------|-----------------|
| | | | Antlerless | Total | |
| 1 | 172,988 | 34,015 | 30,570 | 64,585 | 33.4% |
| 2 | 221,221 | 41,374 | 37,150 | 78,524 | 31.8% |
| 3A | 22,873 | 5,729 | 4,602 | 10,331 | 38.7% |
| 3B | 17,405 | 1,890 | 4,945 | 6,835 | 32.9% |
| Early Season | 11,559 | 0 | 2,891 | 2,891 | 21.4% |
| Free Landowner ¹ | 3,631 | 0 | 1,036 | 1,036 | 28.5% |
| Muzzleloader ² | 63,282 | 2,844 | 5,085 | 7,929 | 11.3% |
| Archery ³ | 99,474 | 7,650 | 12,979 | 20,629 | 17.5% |
| TOTAL⁴ | 489,096 | 94,367 | 99,819 | 194,186 | 33.8% |

¹ Includes deer taken during regular firearms, muzzleloader, and archery seasons.

² Total number of people who bought only a muzzleloader license was 10,262.

³ Includes Camp Ripley. Total number of people who bought only an archery license was 28,293.

⁴ Due to the fact that a hunter can buy multiple licenses, hunter numbers are an estimate.

Table 3. Firearms Harvest and Harvest per Square Mile by Permit Area, 2009. Includes all firearm licenses but does not include early antlerless harvest.

| Permit Area | Zone | Adult Male | Fawn Male | Adult Female | Fawn Female | Total | Area Size (sq.mi.) | Bucks/Sq. Mile | Antlerless/Sq. Mile | Total/Sq. Mile |
|-------------|------|------------|-----------|--------------|-------------|-------|--------------------|----------------|---------------------|----------------|
| 101 | 1A | 342 | 75 | 232 | 73 | 722 | 496 | 0.69 | 0.77 | 1.46 |
| 104 | 1A | 929 | 66 | 264 | 28 | 1,287 | 2,078 | 0.45 | 0.17 | 0.62 |
| 105 | 1A | 786 | 171 | 586 | 136 | 1,679 | 740 | 1.06 | 1.21 | 2.27 |
| 107 | 1A | 1405 | 45 | 207 | 24 | 1,681 | 1,896 | 0.74 | 0.15 | 0.89 |
| 110 | 1A | 647 | 139 | 469 | 115 | 1,370 | 300 | 2.16 | 2.41 | 4.57 |
| 111 | 1A | 601 | 110 | 401 | 83 | 1,195 | 1,437 | 0.42 | 0.41 | 0.83 |
| 114 | 1A | 48 | 5 | 29 | 1 | 83 | 123 | 0.39 | 0.28 | 0.67 |
| 115 | 1A | 1590 | 81 | 408 | 44 | 2,123 | 1,867 | 0.85 | 0.29 | 1.14 |
| 116 | 1A | 119 | 2 | 29 | 0 | 150 | 1,164 | 0.10 | 0.03 | 0.13 |
| 122 | 1A | 547 | 26 | 137 | 24 | 734 | 619 | 0.88 | 0.30 | 1.19 |
| 126 | 1A | 471 | 41 | 239 | 34 | 785 | 943 | 0.50 | 0.33 | 0.83 |
| 127 | 1A | 104 | 0 | 21 | 2 | 127 | 561 | 0.19 | 0.04 | 0.23 |
| 152 | 1A | 154 | 37 | 128 | 29 | 348 | 61 | 2.52 | 3.18 | 5.70 |
| 154 | 1A | 1615 | 212 | 667 | 117 | 2,611 | 760 | 2.13 | 1.31 | 3.44 |
| 156 | 1A | 1859 | 474 | 1300 | 307 | 3,940 | 825 | 2.25 | 2.52 | 4.78 |
| 157 | 1A | 2317 | 640 | 1653 | 420 | 5,030 | 889 | 2.61 | 3.05 | 5.66 |
| 159 | 1A | 1298 | 286 | 968 | 218 | 2,770 | 568 | 2.29 | 2.59 | 4.88 |
| 167 | 1A | 574 | 122 | 498 | 93 | 1,287 | 432 | 1.33 | 1.65 | 2.98 |
| 168 | 1A | 1099 | 271 | 934 | 202 | 2,506 | 723 | 1.52 | 1.95 | 3.47 |
| 170 | 1A | 2285 | 609 | 1787 | 445 | 5,126 | 1,311 | 1.74 | 2.17 | 3.91 |
| 172 | 1A | 1147 | 407 | 1340 | 301 | 3,195 | 451 | 2.54 | 4.54 | 7.09 |
| 174 | 1A | 1211 | 141 | 469 | 65 | 1,886 | 835 | 1.45 | 0.81 | 2.26 |
| 175 | 1A | 1692 | 96 | 478 | 65 | 2,331 | 1,249 | 1.35 | 0.51 | 1.87 |
| 178 | 1A | 2476 | 440 | 1499 | 302 | 4,717 | 1,259 | 1.97 | 1.78 | 3.75 |
| 180 | 1A | 1452 | 159 | 668 | 122 | 2,401 | 983 | 1.48 | 0.97 | 2.44 |
| 181 | 1A | 1688 | 307 | 1011 | 211 | 3,217 | 709 | 2.38 | 2.16 | 4.54 |
| 182 | 1A | 540 | 126 | 350 | 93 | 1,109 | 269 | 2.01 | 2.12 | 4.13 |
| 183 | 1A | 1356 | 151 | 487 | 92 | 2,086 | 663 | 2.04 | 1.10 | 3.15 |
| 184 | 1A | 2696 | 716 | 2191 | 559 | 6,162 | 1,231 | 2.19 | 2.82 | 5.01 |
| 197 | 1A | 851 | 170 | 604 | 128 | 1,753 | 975 | 0.87 | 0.93 | 1.80 |
| 199 | 1A | 134 | 13 | 59 | 9 | 215 | 148 | 0.91 | 0.55 | 1.45 |
| 201 | 2A | 90 | 18 | 47 | 22 | 177 | 161 | 0.56 | 0.54 | 1.10 |
| 203 | 2A | 97 | 16 | 54 | 13 | 180 | 118 | 0.82 | 0.70 | 1.53 |
| 208 | 2A | 233 | 40 | 174 | 37 | 484 | 379 | 0.62 | 0.66 | 1.28 |
| 209 | 2A | 574 | 123 | 415 | 131 | 1,243 | 639 | 0.90 | 1.05 | 1.94 |
| 210 | 2A | 996 | 231 | 743 | 225 | 2,195 | 615 | 1.62 | 1.95 | 3.57 |
| 213 | 2A | 1518 | 247 | 712 | 187 | 2,664 | 1,057 | 1.44 | 1.08 | 2.52 |
| 214 | 2A | 1342 | 461 | 1008 | 339 | 3,150 | 557 | 2.41 | 3.25 | 5.66 |
| 215 | 2A | 952 | 365 | 702 | 264 | 2,283 | 701 | 1.36 | 1.90 | 3.25 |
| 218 | 2A | 783 | 153 | 412 | 114 | 1,462 | 884 | 0.89 | 0.77 | 1.65 |
| 219 | 2A | 526 | 97 | 251 | 66 | 940 | 392 | 1.34 | 1.06 | 2.40 |
| 221 | 2A | 960 | 347 | 701 | 278 | 2,286 | 642 | 1.50 | 2.07 | 3.56 |
| 222 | 2A | 886 | 276 | 606 | 185 | 1,953 | 413 | 2.15 | 2.59 | 4.73 |
| 223 | 2A | 479 | 77 | 180 | 49 | 785 | 377 | 1.27 | 0.81 | 2.08 |
| 224 | 2A | 87 | 14 | 54 | 13 | 168 | 47 | 1.86 | 1.73 | 3.60 |
| 225 | 2A | 1333 | 389 | 830 | 251 | 2,803 | 618 | 2.16 | 2.38 | 4.53 |
| 227 | 2A | 835 | 241 | 521 | 150 | 1,747 | 471 | 1.77 | 1.94 | 3.71 |

Table 3. (Continued)

| Permit Area | Zone | Adult Male | Fawn Male | Adult Female | Fawn Female | Total | Area Size (sq.mi.) | Bucks/Sq. Mile | Antlerless/Sq. Mile | Total/Sq. Mile |
|-------------|------|------------|-----------|--------------|-------------|-------|--------------------|----------------|---------------------|----------------|
| 229 | 2A | 224 | 43 | 82 | 18 | 367 | 287 | 0.78 | 0.50 | 1.28 |
| 230 | 2A | 218 | 28 | 90 | 25 | 361 | 452 | 0.48 | 0.32 | 0.80 |
| 232 | 2A | 219 | 17 | 80 | 9 | 325 | 377 | 0.58 | 0.28 | 0.86 |
| 233 | 2A | 172 | 14 | 55 | 11 | 252 | 385 | 0.45 | 0.21 | 0.66 |
| 234 | 2A | 142 | 2 | 5 | 0 | 149 | 636 | 0.22 | 0.01 | 0.23 |
| 235 | 2A | 43 | 4 | 11 | 2 | 60 | 32 | 1.34 | 0.53 | 1.87 |
| 236 | 2A | 714 | 164 | 410 | 80 | 1,368 | 372 | 1.92 | 1.76 | 3.68 |
| 237 | 2A | 163 | 2 | 11 | 1 | 177 | 728 | 0.22 | 0.02 | 0.24 |
| 238 | 2A | 65 | 1 | 11 | 1 | 78 | 95 | 0.68 | 0.14 | 0.82 |
| 239 | 2A | 1289 | 264 | 724 | 192 | 2,469 | 922 | 1.40 | 1.28 | 2.68 |
| 240 | 2A | 1767 | 506 | 1287 | 379 | 3,939 | 642 | 2.75 | 3.39 | 6.14 |
| 241 | 2A | 1353 | 537 | 1310 | 460 | 3,660 | 417 | 3.25 | 5.54 | 8.78 |
| 242 | 2A | 515 | 125 | 475 | 113 | 1,228 | 215 | 2.40 | 3.32 | 5.72 |
| 243 | 2A | 870 | 345 | 868 | 295 | 2,378 | 314 | 2.77 | 4.81 | 7.58 |
| 244 | 2A | 1453 | 257 | 639 | 167 | 2,516 | 583 | 2.49 | 1.82 | 4.31 |
| 245 | 2A | 1412 | 244 | 759 | 157 | 2,572 | 583 | 2.42 | 1.99 | 4.41 |
| 246 | 2A | 1682 | 294 | 993 | 204 | 3,173 | 772 | 2.18 | 1.93 | 4.11 |
| 247 | 2A | 620 | 103 | 348 | 69 | 1,140 | 229 | 2.71 | 2.27 | 4.97 |
| 248 | 2A | 363 | 80 | 238 | 80 | 761 | 212 | 1.71 | 1.88 | 3.59 |
| 249 | 2A | 1078 | 237 | 579 | 146 | 2,040 | 502 | 2.15 | 1.92 | 4.07 |
| 250 | 2A | 320 | 4 | 38 | 3 | 365 | 711 | 0.45 | 0.06 | 0.51 |
| 251 | 2A | 60 | 29 | 70 | 28 | 187 | 55 | 1.09 | 2.30 | 3.39 |
| 252 | 2A | 270 | 12 | 48 | 3 | 333 | 715 | 0.38 | 0.09 | 0.47 |
| 253 | 2A | 356 | 20 | 88 | 10 | 474 | 974 | 0.37 | 0.12 | 0.49 |
| 254 | 2A | 435 | 41 | 136 | 22 | 634 | 930 | 0.47 | 0.21 | 0.68 |
| 255 | 2A | 332 | 35 | 101 | 15 | 483 | 774 | 0.43 | 0.20 | 0.62 |
| 256 | 2A | 430 | 111 | 393 | 100 | 1,034 | 653 | 0.66 | 0.92 | 1.58 |
| 257 | 2A | 365 | 106 | 342 | 87 | 900 | 412 | 0.89 | 1.30 | 2.18 |
| 260 | 2A | 542 | 96 | 505 | 93 | 1,236 | 1,249 | 0.43 | 0.56 | 0.99 |
| 261 | 2A | 144 | 28 | 132 | 18 | 322 | 795 | 0.18 | 0.22 | 0.41 |
| 262 | 2A | 150 | 12 | 42 | 14 | 218 | 677 | 0.22 | 0.10 | 0.32 |
| 263 | 2A | 401 | 60 | 250 | 57 | 768 | 512 | 0.78 | 0.72 | 1.50 |
| 264 | 2A | 671 | 142 | 466 | 112 | 1,391 | 669 | 1.00 | 1.08 | 2.08 |
| 265 | 2A | 468 | 144 | 411 | 107 | 1,130 | 494 | 0.95 | 1.34 | 2.29 |
| 266 | 2A | 403 | 81 | 301 | 79 | 864 | 617 | 0.65 | 0.75 | 1.40 |
| 267 | 2A | 195 | 37 | 147 | 52 | 431 | 472 | 0.41 | 0.50 | 0.91 |
| 268 | 2A | 264 | 66 | 204 | 46 | 580 | 229 | 1.15 | 1.38 | 2.53 |
| 269 | 2A | 202 | 16 | 50 | 12 | 280 | 650 | 0.31 | 0.12 | 0.43 |
| 270 | 2A | 148 | 5 | 21 | 11 | 185 | 748 | 0.20 | 0.05 | 0.25 |
| 271 | 2A | 173 | 10 | 31 | 4 | 218 | 632 | 0.27 | 0.07 | 0.34 |
| 272 | 2A | 179 | 9 | 18 | 6 | 212 | 531 | 0.34 | 0.06 | 0.40 |
| 273 | 2A | 325 | 41 | 139 | 35 | 540 | 572 | 0.57 | 0.38 | 0.94 |
| 274 | 2A | 135 | 0 | 6 | 0 | 141 | 355 | 0.38 | 0.02 | 0.40 |
| 275 | 2A | 240 | 1 | 2 | 0 | 243 | 764 | 0.31 | 0.00 | 0.32 |
| 276 | 2A | 394 | 27 | 88 | 12 | 521 | 543 | 0.73 | 0.23 | 0.96 |
| 277 | 2A | 1122 | 101 | 325 | 53 | 1,601 | 813 | 1.38 | 0.59 | 1.97 |
| 278 | 2A | 403 | 27 | 77 | 23 | 530 | 401 | 1.01 | 0.32 | 1.32 |

Table 3. (Continued)

| Permit Area | Zone | Adult Male | Fawn Male | Adult Female | Fawn Female | Total | Area Size (sq.mi.) | Bucks/Sq. Mile | Antlerless/Sq. Mile | Total/Sq. Mile |
|-------------|------|------------|-----------|--------------|-------------|-------|--------------------|----------------|---------------------|----------------|
| 279 | 2A | 187 | 9 | 56 | 3 | 255 | 344 | 0.54 | 0.20 | 0.74 |
| 280 | 2A | 174 | 9 | 41 | 11 | 235 | 675 | 0.26 | 0.09 | 0.35 |
| 281 | 2A | 425 | 16 | 96 | 15 | 552 | 575 | 0.74 | 0.22 | 0.96 |
| 282 | 2A | 97 | 0 | 5 | 0 | 102 | 779 | 0.12 | 0.01 | 0.13 |
| 283 | 2A | 200 | 6 | 4 | 1 | 211 | 614 | 0.33 | 0.02 | 0.34 |
| 284 | 2A | 263 | 3 | 12 | 3 | 281 | 838 | 0.31 | 0.02 | 0.34 |
| 285 | 2A | 350 | 28 | 121 | 19 | 518 | 550 | 0.64 | 0.31 | 0.94 |
| 286 | 2A | 231 | 2 | 11 | 1 | 245 | 446 | 0.52 | 0.03 | 0.55 |
| 287 | 2A | 83 | 41 | 137 | 37 | 298 | 46 | 1.81 | 4.68 | 6.49 |
| 288 | 2A | 373 | 4 | 17 | 4 | 398 | 625 | 0.60 | 0.04 | 0.64 |
| 289 | 2A | 150 | 0 | 8 | 2 | 160 | 816 | 0.18 | 0.01 | 0.20 |
| 290 | 2A | 293 | 16 | 86 | 6 | 401 | 662 | 0.44 | 0.16 | 0.61 |
| 291 | 2A | 574 | 57 | 155 | 23 | 809 | 802 | 0.72 | 0.29 | 1.01 |
| 292 | 2A | 395 | 90 | 209 | 50 | 744 | 480 | 0.82 | 0.73 | 1.55 |
| 293 | 2A | 393 | 88 | 245 | 53 | 779 | 511 | 0.77 | 0.75 | 1.52 |
| 294 | 2A | 211 | 1 | 10 | 1 | 223 | 686 | 0.31 | 0.02 | 0.33 |
| 295 | 2A | 396 | 18 | 58 | 5 | 477 | 840 | 0.47 | 0.10 | 0.57 |
| 296 | 2A | 257 | 15 | 53 | 8 | 333 | 666 | 0.39 | 0.11 | 0.50 |
| 297 | 2A | 189 | 8 | 35 | 6 | 238 | 438 | 0.43 | 0.11 | 0.54 |
| 298 | 2A | 676 | 162 | 517 | 134 | 1,489 | 618 | 1.09 | 1.32 | 2.41 |
| 299 | 2A | 253 | 17 | 90 | 14 | 374 | 386 | 0.66 | 0.31 | 0.97 |
| 338 | 3A | 237 | 49 | 128 | 29 | 443 | 454 | 0.52 | 0.45 | 0.98 |
| 338 | 3B | 57 | 17 | 82 | 24 | 180 | 454 | 0.13 | 0.27 | 0.40 |
| 339 | 3A | 230 | 41 | 117 | 29 | 417 | 394 | 0.58 | 0.47 | 1.06 |
| 339 | 3B | 39 | 37 | 99 | 21 | 196 | 394 | 0.10 | 0.40 | 0.50 |
| 341 | 3A | 659 | 113 | 313 | 83 | 1,168 | 611 | 1.08 | 0.83 | 1.91 |
| 341 | 3B | 255 | 155 | 360 | 114 | 884 | 611 | 0.42 | 1.03 | 1.45 |
| 342 | 3A | 519 | 72 | 289 | 60 | 940 | 350 | 1.48 | 1.20 | 2.68 |
| 342 | 3B | 223 | 115 | 319 | 93 | 750 | 350 | 0.64 | 1.50 | 2.14 |
| 343 | 3A | 608 | 129 | 386 | 76 | 1,199 | 662 | 0.92 | 0.89 | 1.81 |
| 343 | 3B | 193 | 101 | 318 | 74 | 686 | 662 | 0.29 | 0.74 | 1.04 |
| 344 | 3A | 437 | 24 | 84 | 9 | 554 | 189 | 2.31 | 0.62 | 2.92 |
| 344 | 3B | 90 | 54 | 146 | 41 | 331 | 189 | 0.47 | 1.27 | 1.75 |
| 345 | 3A | 379 | 85 | 186 | 43 | 693 | 326 | 1.16 | 0.96 | 2.13 |
| 345 | 3B | 150 | 70 | 242 | 50 | 512 | 326 | 0.46 | 1.11 | 1.57 |
| 346 | 3A | 751 | 126 | 407 | 85 | 1,369 | 319 | 2.36 | 1.94 | 4.30 |
| 346 | 3B | 232 | 139 | 420 | 102 | 893 | 319 | 0.73 | 2.07 | 2.80 |
| 347 | 3A | 420 | 65 | 171 | 45 | 701 | 434 | 0.97 | 0.65 | 1.62 |
| 347 | 3B | 127 | 53 | 183 | 35 | 398 | 434 | 0.29 | 0.63 | 0.92 |
| 348 | 3A | 542 | 89 | 369 | 87 | 1,087 | 332 | 1.63 | 1.64 | 3.28 |
| 348 | 3B | 146 | 77 | 273 | 76 | 572 | 332 | 0.44 | 1.28 | 1.72 |
| 349 | 3A | 953 | 124 | 583 | 107 | 1,767 | 492 | 1.94 | 1.65 | 3.59 |
| 349 | 3B | 361 | 179 | 685 | 175 | 1,400 | 492 | 0.73 | 2.11 | 2.85 |

Table 3. (Continued)

| Permit Area | Zone | Adult Male | Fawn Male | Adult Female | Fawn Female | Total | Area Size (sq.mi.) | Bucks/Sq. Mile | Antlerless/Sq. Mile | Total/Sq. Mile |
|--------------|-------|---------------|---------------|---------------|---------------|----------------|--------------------|----------------|---------------------|----------------|
| 601 | Metro | 629 | 125 | 428 | 85 | 1,267 | 1,633 | 0.39 | 0.39 | 0.78 |
| 901 | Park | 3 | 1 | 3 | 0 | 7 | | | | |
| 902 | Park | 50 | 35 | 95 | 35 | 215 | | | | |
| 903 | Park | 1 | 0 | 7 | 1 | 9 | | | | |
| 904 | Park | 7 | 1 | 2 | 0 | 10 | | | | |
| 905 | Park | 3 | 1 | 3 | 1 | 8 | | | | |
| 906 | Park | 8 | 2 | 9 | 4 | 23 | | | | |
| 907 | Park | 0 | 0 | 4 | 1 | 5 | | | | |
| 908 | Park | 2 | 0 | 2 | 0 | 4 | | | | |
| 909 | Park | 0 | 3 | 0 | 1 | 4 | | | | |
| 910 | Park | 0 | 6 | 6 | 1 | 13 | | | | |
| 912 | Park | 25 | 25 | 41 | 23 | 114 | | | | |
| 913 | Park | 1 | 2 | 6 | 1 | 10 | | | | |
| 914 | Park | 13 | 5 | 3 | 2 | 23 | | | | |
| 915 | Park | 3 | 2 | 8 | 6 | 19 | | | | |
| 916 | Park | 31 | 26 | 32 | 15 | 104 | | | | |
| 918 | Park | 2 | 2 | 6 | 1 | 11 | | | | |
| 920 | Park | 0 | 3 | 8 | 0 | 11 | | | | |
| 921 | Park | 3 | 5 | 5 | 6 | 19 | | | | |
| 922 | Park | 4 | 1 | 9 | 4 | 18 | | | | |
| 923 | Park | 0 | 3 | 3 | 1 | 7 | | | | |
| 925 | Park | 9 | 8 | 20 | 4 | 41 | | | | |
| 926 | Park | 2 | 1 | 3 | 2 | 8 | | | | |
| 927 | Park | 6 | 6 | 25 | 12 | 49 | | | | |
| 928 | Park | 0 | 1 | 1 | 0 | 2 | | | | |
| 929 | Park | 1 | 4 | 15 | 5 | 25 | | | | |
| 930 | Park | 8 | 1 | 4 | 0 | 13 | | | | |
| 931 | Park | 13 | 9 | 21 | 6 | 49 | | | | |
| 932 | Park | 5 | 2 | 5 | 3 | 15 | | | | |
| TOTAL | | 83,820 | 16,545 | 49,829 | 12,151 | 162,345 | | | | |

Table 4. Firearm Bonus Permit Harvest by Permit Area, 2009
Managed Permit Areas.

| Permit Area | Zone | Fawn Male | Adult Female | Fawn Female | Total |
|-------------|------|-----------|--------------|-------------|-------|
| 110 | 1A | 68 | 239 | 68 | 375 |
| 114 | 1A | 2 | 17 | 1 | 20 |
| 126 | 1A | 21 | 146 | 17 | 184 |
| 152 | 1A | 17 | 66 | 16 | 99 |
| 156 | 1A | 248 | 687 | 172 | 1,107 |
| 157 | 1A | 321 | 853 | 228 | 1,402 |
| 159 | 1A | 145 | 476 | 121 | 742 |
| 167 | 1A | 54 | 243 | 50 | 347 |
| 168 | 1A | 118 | 457 | 99 | 674 |
| 170 | 1A | 324 | 940 | 251 | 1,515 |
| 172 | 1A | 209 | 680 | 163 | 1,052 |
| 178 | 1A | 229 | 814 | 164 | 1,207 |
| 180 | 1A | 77 | 390 | 77 | 544 |
| 181 | 1A | 190 | 585 | 131 | 906 |
| 184 | 1A | 420 | 1297 | 351 | 2,068 |
| 197 | 1A | 78 | 320 | 69 | 467 |
| 199 | 1A | 4 | 35 | 3 | 42 |
| 201 | 2A | 10 | 25 | 12 | 47 |
| 214 | 2A | 216 | 515 | 190 | 921 |
| 215 | 2A | 137 | 313 | 110 | 560 |
| 240 | 2A | 254 | 699 | 214 | 1,167 |

| Permit Area | Zone | Fawn Male | Adult Female | Fawn Female | Total |
|--------------|------|--------------|---------------|--------------|---------------|
| 242 | 2A | 73 | 235 | 60 | 368 |
| 248 | 2A | 36 | 116 | 46 | 198 |
| 251 | 2A | 16 | 38 | 16 | 70 |
| 263 | 2A | 28 | 142 | 39 | 209 |
| 264 | 2A | 78 | 257 | 60 | 395 |
| 266 | 2A | 41 | 166 | 39 | 246 |
| 292 | 2A | 37 | 80 | 24 | 141 |
| 293 | 2A | 53 | 115 | 32 | 200 |
| 298 | 2A | 84 | 281 | 79 | 444 |
| 338 | 3A | 28 | 67 | 13 | 108 |
| 339 | 3A | 23 | 66 | 17 | 106 |
| 341 | 3A | 59 | 209 | 61 | 329 |
| 342 | 3A | 41 | 196 | 42 | 279 |
| 345 | 3A | 45 | 117 | 26 | 188 |
| 347 | 3A | 41 | 121 | 35 | 197 |
| 338 | 3B | 9 | 33 | 11 | 53 |
| 339 | 3B | 22 | 46 | 12 | 80 |
| 341 | 3B | 67 | 161 | 58 | 286 |
| 342 | 3B | 54 | 151 | 50 | 255 |
| 345 | 3B | 26 | 92 | 20 | 138 |
| 347 | 3B | 29 | 98 | 17 | 144 |
| TOTAL | | 4,032 | 12,584 | 3,264 | 19,880 |

Table 4. Firearm Bonus Permit Harvest by Permit Area, 2009.

Intensive Permit Areas

| Permit Area | Zone | Fawn Male | Adult Female | Fawn Female | Total |
|-------------|------|-----------|--------------|-------------|-------|
| 101 | 1A | 10 | 21 | 7 | 38 |
| 105 | 1A | 112 | 424 | 90 | 626 |
| 111 | 1A | 65 | 241 | 42 | 348 |
| 182 | 1A | 84 | 244 | 72 | 400 |
| 203 | 2A | 12 | 40 | 8 | 60 |
| 208 | 2A | 28 | 103 | 27 | 158 |
| 209 | 2A | 94 | 289 | 99 | 482 |
| 210 | 2A | 164 | 506 | 165 | 835 |
| 221 | 2A | 217 | 423 | 189 | 829 |
| 222 | 2A | 171 | 366 | 119 | 656 |
| 225 | 2A | 245 | 487 | 157 | 889 |
| 227 | 2A | 151 | 327 | 97 | 575 |
| 236 | 2A | 105 | 250 | 62 | 417 |
| 241 | 2A | 380 | 921 | 327 | 1,628 |
| 243 | 2A | 208 | 541 | 190 | 939 |
| 256 | 2A | 71 | 286 | 75 | 432 |

| Permit Area | Zone | Fawn Male | Adult Female | Fawn Female | Total |
|--------------|-------|--------------|--------------|--------------|---------------|
| 257 | 2A | 73 | 219 | 61 | 353 |
| 260 | 2A | 64 | 341 | 74 | 479 |
| 261 | 2A | 19 | 91 | 15 | 125 |
| 265 | 2A | 98 | 295 | 77 | 470 |
| 267 | 2A | 25 | 114 | 34 | 173 |
| 268 | 2A | 36 | 146 | 34 | 216 |
| 287 | 2A | 30 | 88 | 29 | 147 |
| 343 | 3A | 87 | 275 | 58 | 420 |
| 346 | 3A | 88 | 307 | 67 | 462 |
| 348 | 3A | 57 | 266 | 67 | 390 |
| 349 | 3A | 91 | 460 | 88 | 639 |
| 343 | 3B | 62 | 188 | 51 | 301 |
| 346 | 3B | 73 | 239 | 67 | 379 |
| 348 | 3B | 42 | 130 | 48 | 220 |
| 349 | 3B | 105 | 415 | 102 | 622 |
| 601 | Metro | 87 | 292 | 66 | 445 |
| Total | | 3,154 | 9,335 | 2,664 | 15,153 |

Table 5. Early Antlerless Season Harvest by Permit Area, 2009.

| Permit Area | Fawn Male | Adult Female | Fawn Female | Total |
|--------------------|------------------|---------------------|--------------------|--------------|
| 101 | 6 | 26 | 2 | 34 |
| 105 | 30 | 137 | 34 | 201 |
| 111 | 15 | 84 | 22 | 121 |
| 182 | 20 | 80 | 26 | 126 |
| 208 | 11 | 20 | 9 | 40 |
| 209 | 33 | 151 | 28 | 212 |
| 210 | 62 | 184 | 53 | 299 |
| 225 | 79 | 181 | 72 | 332 |
| 227 | 18 | 86 | 20 | 124 |
| 236 | 15 | 77 | 14 | 106 |
| 256 | 14 | 90 | 20 | 124 |
| 257 | 18 | 78 | 35 | 131 |
| 260 | 25 | 112 | 21 | 158 |
| 261 | 5 | 19 | 6 | 30 |
| 265 | 43 | 96 | 39 | 178 |
| 267 | 3 | 25 | 5 | 33 |
| 268 | 3 | 36 | 7 | 46 |
| 346 | 53 | 153 | 54 | 260 |
| 349 | 35 | 175 | 70 | 280 |
| 601 | 14 | 33 | 8 | 55 |
| Total | 502 | 1,843 | 545 | 2,890 |

Table 6. Summary of Firearms Special Hunts, 2009. Includes regular, youth, and bonus permits.

| Area | Dates | Permits Issued | Harvest | | | | Total |
|---|-------------|----------------|------------|--------------|-----------|-------------|-------|
| | | | Adult Male | Adult Female | Fawn Male | Fawn Female | |
| 900 - Schoolcraft State Park ¹ | 11/7-11/22 | Unl. | 0 | 0 | 0 | 0 | 0 |
| 901 - Rice Lake Nat. Wildlife Refuge | 11/14-11/22 | 40* | 3 | 1 | 3 | 0 | 7 |
| 902 - St. Croix State Park ¹ | 11/14-11/17 | 550** | 50 | 35 | 95 | 35 | 215 |
| 903 - Savanna Portage State Park ¹ | 11/14-11/18 | 40*** | 1 | 0 | 7 | 1 | 9 |
| 904 - Gooseberry Falls State Park ¹ | 11/7-11/22 | 30* | 7 | 1 | 2 | 0 | 10 |
| 905 - Split Rock Lighthouse State Park ¹ | 11/7-11/22 | 30* | 3 | 1 | 3 | 1 | 8 |
| 906 - Tettegouche State Park ¹ | 11/7-11/22 | 125* | 8 | 2 | 9 | 4 | 23 |
| 907 - Scenic State Park ¹ | 11/7-11/22 | 30* | 0 | 0 | 4 | 1 | 5 |
| 908 - Hayes Lake State Park ¹ | 11/7-11/22 | 50* | 2 | 0 | 2 | 0 | 4 |
| 909 - Lake Bemidji State Park ¹ | 11/7-11/10 | 35# | 0 | 3 | 0 | 1 | 4 |
| 910 - Zippel Bay State Park ¹ | 11/7-11/22 | 55# | 0 | 6 | 6 | 1 | 13 |
| 911 - Judge CR Magney SP* | 11/7-11/22 | Unl. | 0 | 0 | 0 | 0 | 0 |
| 912 - Wild River State Park ¹ | 11/7-11/10 | 150** | 25 | 25 | 41 | 23 | 114 |
| 913 - Lake Carlos State Park ¹ | 11/7-11/10 | 20# | 1 | 2 | 6 | 1 | 10 |
| 914 - William O'Brien State Park ¹ | 11/7-11/8 | 65* | 13 | 5 | 3 | 2 | 23 |
| 915 - Lake Bronson State Park ¹ | 11/7-11/15 | 30** | 3 | 2 | 8 | 6 | 19 |
| 916 - Maplewood State Park ¹ | 11/7-11/10 | 100* | 31 | 26 | 32 | 15 | 104 |
| 917 - Rydell NWR | 11/7-11/15 | 10 | 0 | 0 | 0 | 0 | 0 |
| 918 - Lake Alexander SNA ¹ | 11/7-11/15 | 40* | 2 | 2 | 6 | 1 | 11 |
| 919 - Buffalo River State Park ¹ | 11/7-11/8 | 16# | 0 | 0 | 0 | 0 | 0 |
| 920 - Glacial Lakes State Park | 11/12-11/15 | 30# | 0 | 3 | 8 | 0 | 11 |
| 921 - Lake Louise State Park ¹ | 11/14-11/15 | 25** | 3 | 5 | 5 | 6 | 19 |
| 922 - Beaver Creek Valley State Park ¹ | 11/7-11/8 | 20** | 4 | 1 | 9 | 4 | 18 |
| 923 - Zumbro Falls SNA ¹ | 11/7-11/15 | 12# | 0 | 3 | 3 | 1 | 7 |
| 924 - Forestville/Mystery Cave SP ¹ | 11/7-11/9 | 110** | 0 | 0 | 0 | 0 | 0 |
| 925 - Frontenac State Park ¹ | 11/21-11/22 | 50** | 9 | 8 | 20 | 4 | 41 |
| 926 - Great River Bluffs SP ¹ | 11/21-11/22 | 50** | 2 | 1 | 4 | 2 | 9 |
| 927 - Whitewater State Park ¹ | 11/21-11/23 | 50** | 7 | 6 | 27 | 12 | 52 |
| 928 - Zumbro Falls SNA ¹ | 11/21-11/29 | 12# | 0 | 1 | 1 | 0 | 2 |
| 929 - Whitewater Refuge | 11/21-11/29 | 60# | 1 | 4 | 15 | 5 | 25 |
| 930 - Vermillion Highlands WMA ¹ | 11/7-11/20 | 50** | 8 | 1 | 4 | 0 | 13 |
| 931 - Carver Park Reserve ¹ | 11/21-11/22 | 105* | 13 | 9 | 21 | 6 | 49 |
| 932 -Lake Rebecca Park Reserve ¹ | 11/28-11/29 | 80* | 5 | 2 | 5 | 3 | 15 |
| TOTAL | | | 201 | 155 | 349 | 135 | 840 |

¹ Bonus permits available *Either sex ** Earn-A-Buck
 ***Antler Point Restriction #Antlerless Only

Table 7. Free Landowner Firearms Harvest by Permit Area, 2009.

| Permit Area | Fawn Male | Adult Female | Fawn Female | Total |
|--------------|------------|--------------|-------------|------------|
| 101 | 1 | 2 | 0 | 3 |
| 105 | 0 | 5 | 1 | 6 |
| 110 | 3 | 2 | 4 | 9 |
| 111 | 2 | 2 | 1 | 5 |
| 156 | 3 | 5 | 2 | 10 |
| 157 | 5 | 29 | 2 | 36 |
| 159 | 1 | 4 | 2 | 7 |
| 167 | 2 | 1 | 0 | 3 |
| 168 | 2 | 6 | 0 | 8 |
| 170 | 0 | 7 | 1 | 8 |
| 172 | 3 | 4 | 1 | 8 |
| 178 | 2 | 3 | 4 | 9 |
| 180 | 0 | 3 | 2 | 5 |
| 181 | 1 | 6 | 0 | 7 |
| 184 | 8 | 38 | 10 | 56 |
| 197 | 0 | 1 | 2 | 3 |
| 199 | 0 | 0 | 1 | 1 |
| 201 | 0 | 1 | 0 | 1 |
| 203 | 0 | 1 | 0 | 1 |
| 208 | 0 | 1 | 1 | 2 |
| 209 | 2 | 7 | 2 | 11 |
| 210 | 6 | 14 | 4 | 24 |
| 214 | 35 | 49 | 17 | 101 |
| 215 | 17 | 21 | 6 | 44 |
| 221 | 11 | 19 | 6 | 36 |
| 222 | 2 | 4 | 2 | 8 |
| 225 | 4 | 11 | 4 | 19 |
| 227 | 2 | 1 | 1 | 4 |
| 236 | 0 | 7 | 1 | 8 |
| 240 | 14 | 34 | 15 | 63 |
| 241 | 9 | 26 | 4 | 39 |
| 242 | 0 | 2 | 0 | 2 |
| 243 | 9 | 15 | 3 | 27 |
| 248 | 1 | 7 | 0 | 8 |
| 256 | 3 | 10 | 1 | 14 |
| 257 | 3 | 11 | 2 | 16 |
| 260 | 0 | 9 | 0 | 9 |
| 261 | 1 | 1 | 0 | 2 |
| 263 | 0 | 1 | 3 | 4 |
| 264 | 4 | 22 | 2 | 28 |
| 265 | 1 | 10 | 1 | 12 |
| 266 | 4 | 8 | 2 | 14 |
| 267 | 0 | 4 | 1 | 5 |
| 268 | 4 | 3 | 2 | 9 |
| 292 | 2 | 6 | 1 | 9 |
| 293 | 0 | 2 | 1 | 3 |
| 298 | 3 | 8 | 3 | 14 |
| 338 | 1 | 1 | 1 | 3 |
| 339 | 0 | 2 | 0 | 2 |
| 341 | 5 | 17 | 6 | 28 |
| 342 | 6 | 16 | 8 | 30 |
| 343 | 2 | 15 | 1 | 18 |
| 345 | 6 | 24 | 0 | 30 |
| 346 | 8 | 19 | 3 | 30 |
| 347 | 0 | 9 | 3 | 12 |
| 348 | 5 | 15 | 4 | 24 |
| 349 | 13 | 40 | 7 | 60 |
| TOTAL | 216 | 591 | 151 | 958 |

Table 8. Archery Harvest by Permit Area, 2009.
Includes Regular, Youth, All-Season, and Bonus Permits.

| Permit Area | Adult Male | Fawn Male | Adult Female | Fawn Female | Total |
|-------------|------------|-----------|--------------|-------------|-------|
| 101 | 3 | 2 | 8 | 1 | 14 |
| 104 | 7 | 1 | 10 | 0 | 18 |
| 105 | 12 | 7 | 50 | 3 | 72 |
| 107 | 17 | 1 | 21 | 0 | 39 |
| 110 | 12 | 8 | 24 | 4 | 48 |
| 111 | 5 | 3 | 10 | 1 | 19 |
| 114 | 6 | 0 | 6 | 0 | 12 |
| 115 | 21 | 3 | 18 | 1 | 43 |
| 116 | 5 | 0 | 6 | 0 | 11 |
| 122 | 6 | 1 | 6 | 2 | 15 |
| 126 | 15 | 4 | 21 | 2 | 42 |
| 127 | 0 | 0 | 1 | 0 | 1 |
| 152 | 4 | 3 | 10 | 2 | 19 |
| 154 | 78 | 5 | 47 | 12 | 142 |
| 156 | 57 | 20 | 122 | 22 | 221 |
| 157 | 136 | 34 | 164 | 20 | 354 |
| 159 | 55 | 21 | 108 | 13 | 197 |
| 167 | 5 | 2 | 16 | 1 | 24 |
| 168 | 26 | 9 | 64 | 8 | 107 |
| 170 | 103 | 32 | 204 | 23 | 362 |
| 172 | 45 | 21 | 110 | 14 | 190 |
| 174 | 24 | 7 | 23 | 7 | 61 |
| 175 | 22 | 1 | 28 | 2 | 53 |
| 178 | 74 | 20 | 111 | 8 | 213 |
| 180 | 69 | 11 | 63 | 5 | 148 |
| 181 | 99 | 22 | 104 | 9 | 234 |
| 182 | 237 | 151 | 563 | 106 | 1,057 |
| 183 | 44 | 3 | 33 | 8 | 88 |
| 184 | 112 | 38 | 176 | 25 | 351 |
| 197 | 22 | 5 | 36 | 4 | 67 |
| 199 | 10 | 2 | 6 | 0 | 18 |
| 201 | 0 | 0 | 1 | 0 | 1 |
| 203 | 1 | 0 | 1 | 1 | 3 |
| 208 | 3 | 2 | 9 | 3 | 17 |
| 209 | 22 | 8 | 39 | 6 | 75 |
| 210 | 27 | 18 | 78 | 4 | 127 |
| 213 | 214 | 15 | 67 | 12 | 308 |
| 214 | 60 | 21 | 108 | 19 | 208 |
| 215 | 135 | 35 | 157 | 25 | 352 |
| 218 | 135 | 12 | 62 | 8 | 217 |
| 219 | 90 | 12 | 48 | 9 | 159 |
| 221 | 72 | 56 | 185 | 34 | 347 |
| 222 | 63 | 48 | 174 | 31 | 316 |
| 223 | 120 | 17 | 50 | 6 | 193 |
| 224 | 16 | 1 | 4 | 1 | 22 |
| 225 | 117 | 76 | 259 | 29 | 481 |
| 227 | 193 | 85 | 294 | 65 | 637 |
| 229 | 70 | 7 | 25 | 3 | 105 |
| 230 | 32 | 2 | 18 | 1 | 53 |
| 232 | 35 | 3 | 17 | 0 | 55 |
| 233 | 49 | 5 | 33 | 3 | 90 |
| 234 | 28 | 0 | 0 | 0 | 28 |
| 235 | 8 | 2 | 7 | 4 | 21 |
| 236 | 198 | 64 | 317 | 55 | 634 |
| 237 | 25 | 1 | 2 | 1 | 29 |
| 238 | 5 | 2 | 4 | 0 | 11 |
| 239 | 60 | 8 | 50 | 5 | 123 |
| 240 | 83 | 28 | 166 | 17 | 294 |
| 241 | 81 | 54 | 304 | 33 | 472 |
| 242 | 80 | 28 | 149 | 31 | 288 |
| 243 | 45 | 28 | 195 | 28 | 296 |
| 244 | 53 | 15 | 50 | 2 | 120 |
| 245 | 74 | 14 | 47 | 5 | 140 |
| 246 | 49 | 6 | 42 | 5 | 102 |
| 247 | 57 | 8 | 40 | 3 | 108 |
| 248 | 35 | 10 | 57 | 8 | 110 |
| 249 | 58 | 13 | 37 | 5 | 113 |
| 250 | 52 | 3 | 22 | 0 | 77 |
| 251 | 2 | 1 | 2 | 0 | 5 |
| 252 | 40 | 3 | 33 | 5 | 81 |
| 253 | 57 | 4 | 21 | 3 | 85 |
| 254 | 76 | 9 | 43 | 4 | 132 |
| 255 | 80 | 7 | 45 | 6 | 138 |
| 256 | 13 | 4 | 28 | 4 | 49 |
| 257 | 15 | 3 | 36 | 6 | 60 |
| 260 | 21 | 2 | 60 | 2 | 85 |
| 261 | 11 | 3 | 30 | 2 | 46 |
| 262 | 18 | 2 | 14 | 3 | 37 |
| 263 | 6 | 0 | 9 | 2 | 17 |
| 264 | 17 | 5 | 11 | 5 | 38 |
| 265 | 16 | 9 | 47 | 8 | 80 |
| 266 | 19 | 7 | 31 | 4 | 61 |
| 267 | 3 | 2 | 16 | 4 | 25 |
| 268 | 8 | 2 | 12 | 1 | 23 |
| 269 | 22 | 2 | 8 | 1 | 33 |
| 270 | 20 | 0 | 9 | 2 | 31 |
| 271 | 22 | 0 | 8 | 0 | 30 |
| 272 | 13 | 1 | 6 | 0 | 20 |
| 273 | 36 | 2 | 17 | 0 | 55 |
| 274 | 18 | 4 | 22 | 3 | 47 |
| 275 | 21 | 0 | 3 | 0 | 24 |
| 276 | 24 | 2 | 11 | 0 | 37 |
| 277 | 155 | 10 | 107 | 17 | 289 |
| 278 | 58 | 6 | 26 | 1 | 91 |
| 279 | 15 | 3 | 8 | 2 | 28 |
| 280 | 25 | 1 | 15 | 2 | 43 |
| 281 | 45 | 6 | 30 | 2 | 83 |
| 282 | 10 | 2 | 0 | 0 | 12 |
| 283 | 35 | 0 | 0 | 0 | 35 |
| 284 | 48 | 1 | 1 | 0 | 50 |
| 285 | 80 | 9 | 55 | 4 | 148 |
| 286 | 25 | 0 | 0 | 0 | 25 |
| 287 | 2 | 0 | 2 | 0 | 4 |
| 288 | 64 | 0 | 0 | 0 | 64 |

Table 8. (Continued)

| Permit Area | Adult Male | Fawn Male | Adult Female | Fawn Female | Total |
|-------------|------------|-----------|--------------|-------------|-------|
| 289 | 18 | 1 | 1 | 0 | 20 |
| 290 | 35 | 2 | 16 | 2 | 55 |
| 291 | 116 | 13 | 92 | 8 | 229 |
| 292 | 75 | 15 | 82 | 14 | 186 |
| 293 | 76 | 12 | 65 | 13 | 166 |
| 294 | 30 | 0 | 1 | 0 | 31 |
| 295 | 69 | 8 | 40 | 4 | 121 |
| 296 | 33 | 2 | 21 | 4 | 60 |
| 297 | 4 | 0 | 2 | 0 | 6 |
| 298 | 13 | 4 | 21 | 1 | 39 |
| 299 | 43 | 8 | 42 | 8 | 101 |
| 338 | 77 | 13 | 60 | 11 | 161 |

*Camp Ripley First Hunt

**Camp Ripley Second Hunt

| Permit Area | Adult Male | Fawn Male | Adult Female | Fawn Female | Total |
|--------------|--------------|--------------|--------------|--------------|---------------|
| 339 | 56 | 12 | 64 | 11 | 143 |
| 341 | 171 | 27 | 192 | 38 | 428 |
| 342 | 117 | 21 | 108 | 18 | 264 |
| 343 | 268 | 97 | 554 | 84 | 1,003 |
| 344 | 72 | 12 | 19 | 5 | 108 |
| 345 | 69 | 17 | 82 | 14 | 182 |
| 346 | 149 | 41 | 233 | 41 | 464 |
| 347 | 86 | 16 | 101 | 11 | 214 |
| 348 | 101 | 33 | 178 | 29 | 341 |
| 349 | 179 | 37 | 293 | 39 | 548 |
| 601 | 701 | 263 | 1045 | 191 | 2,200 |
| 970 | 45 | 25 | 89 | 11 | 170 |
| 971 | 131 | 27 | 116 | 32 | 306 |
| Total | 7,650 | 1,962 | 9,570 | 1,447 | 20,629 |

Table 9. Archery Harvest using Bonus Permits by Permit Area, 2009.

| Permit Area | Fawn Male | Adult Female | Fawn Female | Total |
|--------------|--------------|--------------|--------------|--------------|
| 101 | 0 | 2 | 0 | 2 |
| 105 | 3 | 43 | 2 | 48 |
| 110 | 6 | 20 | 4 | 30 |
| 111 | 2 | 9 | 1 | 12 |
| 114 | 0 | 6 | 0 | 6 |
| 126 | 2 | 14 | 2 | 18 |
| 152 | 2 | 8 | 2 | 12 |
| 156 | 11 | 87 | 15 | 113 |
| 157 | 19 | 121 | 15 | 155 |
| 159 | 13 | 85 | 10 | 108 |
| 167 | 2 | 10 | 1 | 13 |
| 168 | 4 | 44 | 5 | 53 |
| 170 | 22 | 134 | 17 | 173 |
| 172 | 15 | 77 | 10 | 102 |
| 178 | 16 | 63 | 5 | 84 |
| 180 | 7 | 44 | 4 | 55 |
| 181 | 13 | 78 | 7 | 98 |
| 182 | 135 | 503 | 101 | 739 |
| 184 | 30 | 136 | 16 | 182 |
| 197 | 4 | 29 | 3 | 36 |
| 199 | 0 | 3 | 0 | 3 |
| 201 | 0 | 1 | 0 | 1 |
| 203 | 0 | 1 | 1 | 2 |
| 208 | 2 | 6 | 3 | 11 |
| 209 | 5 | 30 | 5 | 40 |
| 210 | 13 | 68 | 4 | 85 |
| 214 | 19 | 89 | 13 | 121 |
| 215 | 19 | 116 | 13 | 148 |
| 221 | 50 | 162 | 32 | 244 |
| 222 | 41 | 137 | 28 | 206 |
| 225 | 64 | 225 | 27 | 316 |
| 227 | 71 | 247 | 59 | 377 |
| 236 | 52 | 280 | 49 | 381 |
| 240 | 23 | 132 | 11 | 166 |
| 241 | 47 | 280 | 31 | 358 |
| 242 | 23 | 122 | 23 | 168 |
| 243 | 26 | 170 | 23 | 219 |
| 248 | 9 | 40 | 4 | 53 |
| 251 | 1 | 2 | 0 | 3 |
| 256 | 4 | 24 | 4 | 32 |
| 257 | 3 | 32 | 6 | 41 |
| 260 | 1 | 50 | 2 | 53 |
| 261 | 3 | 25 | 2 | 30 |
| 263 | 0 | 9 | 1 | 10 |
| 264 | 5 | 11 | 3 | 19 |
| 265 | 8 | 44 | 8 | 60 |
| 266 | 6 | 26 | 3 | 35 |
| 267 | 2 | 15 | 4 | 21 |
| 268 | 2 | 8 | 1 | 11 |
| 287 | 0 | 2 | 0 | 2 |
| 292 | 13 | 64 | 9 | 86 |
| 293 | 11 | 52 | 12 | 75 |
| 298 | 3 | 17 | 1 | 21 |
| 338 | 10 | 43 | 8 | 61 |
| 339 | 8 | 52 | 9 | 69 |
| 341 | 18 | 168 | 32 | 218 |
| 342 | 14 | 93 | 13 | 120 |
| 343 | 80 | 505 | 78 | 663 |
| 345 | 13 | 62 | 9 | 84 |
| 346 | 37 | 211 | 39 | 287 |
| 347 | 11 | 85 | 9 | 105 |
| 348 | 31 | 164 | 28 | 223 |
| 349 | 29 | 271 | 39 | 339 |
| 601 | 227 | 944 | 175 | 1,346 |
| TOTAL | 1,310 | 6,601 | 1,041 | 8,952 |

Table 10. Summary of Archery Special Hunts, 2009 Includes Regular, Youth, and Bonus Permits.

| Area | Dates | Permits Issued | Adult Male | Adult Female | Fawn Male | Fawn Female | Total |
|------------------------------------|-------------|----------------|------------|--------------|-----------|-------------|------------|
| 970 - Camp Ripley | 10/15-10/16 | 2,500 | 45 | 89 | 25 | 11 | 170 |
| 971 - Camp Ripley | 10/30-10/31 | 2,500 | 131 | 116 | 27 | 32 | 306 |
| 972 - Crow-Hassan Park Reserve | 11/13-11/15 | 130 | 0 | 0 | 0 | 0 | 0 |
| 973 - Murphy-Hanrahan Park Reserve | 11/13-11/15 | 180 | 0 | 0 | 0 | 0 | 0 |
| 974 - Cleary Lake Regional Park | 11/13-11/15 | 55 | 0 | 0 | 0 | 0 | 0 |
| 975 - Vermillion Highlands WMA | 9/19-11/1 | 60 | 1 | 0 | 0 | 0 | 1 |
| 976 - City of New Ulm | 10/10-12/31 | 50 | 0 | 1 | 0 | 0 | 1 |
| 977 - City of Red Wing | 9/19-12/31 | Unl. | 0 | 2 | 0 | 1 | 3 |
| 978 - City of Sandstone | 9/19-12/31 | Unl. | 0 | 0 | 0 | 0 | 0 |
| 979 - City of St. Cloud | 9/19-12/31 | 50 | 0 | 0 | 0 | 0 | 0 |
| 980 - City of Taylors Falls | 9/19-12/31 | Unl. | 0 | 0 | 0 | 0 | 0 |
| 981 - City of Mankato | 10/24-12/31 | 40 | 0 | 0 | 0 | 0 | 0 |
| 982 - City of Granite Falls | 9/19-12/31 | 10 | 0 | 0 | 0 | 0 | 0 |
| 983 - City of Ortonville | 9/19-12/31 | 30 | 0 | 0 | 0 | 0 | 0 |
| 984 - City of Canby | 9/19-12/31 | 20 | 0 | 2 | 1 | 0 | 3 |
| 985 - City of Bemidji | 9/19-11/15 | 40 | 3 | 6 | 0 | 0 | 9 |
| Total | | | 180 | 216 | 53 | 44 | 493 |

*Total permits for this hunt was 50 and hunters could use either firearms or archery equipment.

**Total number of hunters. Permits were unlimited.

Table 11. Free Landowner Archery Harvest by Permit Area, 2009.

| Permit Area | Fawn Male | Adult Female | Fawn Female | Total |
|--------------|-----------|--------------|-------------|-----------|
| 110 | 0 | 1 | 0 | 1 |
| 156 | 1 | 1 | 0 | 2 |
| 178 | 0 | 1 | 0 | 1 |
| 184 | 0 | 1 | 0 | 1 |
| 214 | 0 | 2 | 0 | 2 |
| 215 | 1 | 0 | 1 | 2 |
| 221 | 1 | 0 | 1 | 2 |
| 227 | 0 | 1 | 0 | 1 |
| 240 | 0 | 1 | 0 | 1 |
| 248 | 0 | 1 | 0 | 1 |
| 298 | 0 | 1 | 0 | 1 |
| 342 | 1 | 2 | 0 | 3 |
| 343 | 3 | 10 | 0 | 13 |
| 346 | 0 | 1 | 0 | 1 |
| 347 | 1 | 0 | 0 | 1 |
| 348 | 0 | 2 | 0 | 2 |
| 349 | 1 | 3 | 0 | 4 |
| TOTAL | 8 | 29 | 2 | 39 |

Table 12. Muzzleloader Harvest by Permit Area, 2009.
Includes Regular, Muzzleloader, Youth, All-Season, and Bonus permits.

| Permit Area | Adult Male | Fawn Male | Adult Female | Fawn Female | Total |
|-------------|------------|-----------|--------------|-------------|-------|
| 101 | 6 | 0 | 3 | 3 | 12 |
| 104 | 8 | 2 | 1 | 1 | 12 |
| 105 | 10 | 5 | 23 | 4 | 42 |
| 107 | 12 | 1 | 1 | 1 | 15 |
| 110 | 4 | 1 | 15 | 1 | 21 |
| 111 | 2 | 5 | 12 | 2 | 21 |
| 115 | 24 | 3 | 21 | 2 | 50 |
| 116 | 8 | 0 | 1 | 0 | 9 |
| 122 | 0 | 2 | 3 | 0 | 5 |
| 126 | 9 | 2 | 23 | 0 | 34 |
| 127 | 2 | 0 | 1 | 0 | 3 |
| 152 | 2 | 0 | 4 | 2 | 8 |
| 154 | 8 | 3 | 5 | 2 | 18 |
| 156 | 22 | 11 | 48 | 2 | 83 |
| 157 | 13 | 9 | 70 | 11 | 103 |
| 159 | 13 | 9 | 36 | 5 | 63 |
| 167 | 6 | 1 | 17 | 0 | 24 |
| 168 | 17 | 4 | 52 | 9 | 82 |
| 170 | 28 | 13 | 83 | 19 | 143 |
| 172 | 11 | 10 | 47 | 7 | 75 |
| 174 | 10 | 1 | 8 | 0 | 19 |
| 175 | 20 | 0 | 5 | 1 | 26 |
| 178 | 25 | 16 | 68 | 7 | 116 |
| 180 | 18 | 1 | 29 | 3 | 51 |
| 181 | 20 | 6 | 41 | 7 | 74 |
| 182 | 11 | 2 | 30 | 4 | 47 |
| 183 | 9 | 0 | 9 | 2 | 20 |
| 184 | 52 | 18 | 69 | 18 | 157 |
| 197 | 9 | 4 | 16 | 9 | 38 |
| 199 | 1 | 0 | 5 | 0 | 6 |
| 201 | 1 | 0 | 1 | 0 | 2 |
| 203 | 1 | 0 | 0 | 0 | 1 |
| 208 | 6 | 6 | 15 | 5 | 32 |
| 209 | 13 | 9 | 29 | 9 | 60 |
| 210 | 31 | 8 | 43 | 6 | 88 |
| 213 | 60 | 11 | 32 | 9 | 112 |
| 214 | 25 | 16 | 52 | 16 | 109 |
| 215 | 44 | 30 | 95 | 27 | 196 |
| 218 | 39 | 8 | 18 | 5 | 70 |
| 219 | 40 | 7 | 20 | 6 | 73 |
| 221 | 23 | 27 | 87 | 17 | 154 |
| 222 | 31 | 19 | 68 | 10 | 128 |
| 223 | 25 | 7 | 5 | 4 | 41 |
| 224 | 1 | 0 | 0 | 0 | 1 |
| 225 | 33 | 25 | 93 | 20 | 171 |

| Permit Area | Adult Male | Fawn Male | Adult Female | Fawn Female | Total |
|-------------|------------|-----------|--------------|-------------|-------|
| 227 | 35 | 22 | 93 | 21 | 171 |
| 229 | 15 | 3 | 12 | 3 | 33 |
| 230 | 15 | 2 | 10 | 3 | 30 |
| 232 | 17 | 3 | 14 | 1 | 35 |
| 233 | 22 | 2 | 15 | 2 | 41 |
| 234 | 26 | 0 | 1 | 0 | 27 |
| 235 | 2 | 0 | 1 | 0 | 3 |
| 236 | 27 | 17 | 67 | 14 | 125 |
| 237 | 55 | 1 | 1 | 0 | 57 |
| 238 | 6 | 0 | 3 | 0 | 9 |
| 239 | 33 | 6 | 20 | 5 | 64 |
| 240 | 38 | 20 | 88 | 24 | 170 |
| 241 | 32 | 33 | 107 | 32 | 204 |
| 242 | 12 | 16 | 44 | 10 | 82 |
| 243 | 12 | 16 | 82 | 13 | 123 |
| 244 | 36 | 2 | 13 | 2 | 53 |
| 245 | 31 | 6 | 31 | 6 | 74 |
| 246 | 23 | 3 | 17 | 6 | 49 |
| 247 | 12 | 5 | 7 | 1 | 25 |
| 248 | 8 | 7 | 25 | 6 | 46 |
| 249 | 13 | 11 | 12 | 4 | 40 |
| 250 | 39 | 1 | 12 | 0 | 52 |
| 251 | 1 | 1 | 2 | 3 | 7 |
| 252 | 36 | 1 | 9 | 2 | 48 |
| 253 | 30 | 1 | 13 | 1 | 45 |
| 254 | 36 | 3 | 33 | 8 | 80 |
| 255 | 52 | 8 | 12 | 1 | 73 |
| 256 | 19 | 7 | 30 | 4 | 60 |
| 257 | 12 | 3 | 32 | 8 | 55 |
| 260 | 46 | 14 | 55 | 10 | 125 |
| 261 | 17 | 1 | 29 | 2 | 49 |
| 262 | 11 | 3 | 6 | 0 | 20 |
| 263 | 12 | 1 | 7 | 2 | 22 |
| 264 | 26 | 7 | 28 | 5 | 66 |
| 265 | 19 | 11 | 52 | 11 | 93 |
| 266 | 25 | 9 | 48 | 14 | 96 |
| 267 | 9 | 0 | 10 | 2 | 21 |
| 268 | 8 | 1 | 8 | 2 | 19 |
| 269 | 38 | 0 | 3 | 0 | 41 |
| 270 | 11 | 1 | 3 | 0 | 15 |
| 271 | 17 | 0 | 0 | 0 | 17 |
| 272 | 16 | 1 | 4 | 0 | 21 |
| 273 | 23 | 2 | 6 | 0 | 31 |
| 274 | 13 | 0 | 0 | 0 | 13 |
| 275 | 21 | 0 | 0 | 0 | 21 |

Table 12. (Continued).

| Permit Area | Adult Male | Fawn Male | Adult Female | Fawn Female | Total |
|-------------|------------|-----------|--------------|-------------|-------|
| 276 | 25 | 1 | 6 | 1 | 33 |
| 277 | 70 | 6 | 29 | 5 | 110 |
| 278 | 49 | 3 | 11 | 2 | 65 |
| 279 | 20 | 3 | 6 | 0 | 29 |
| 280 | 20 | 1 | 4 | 0 | 25 |
| 281 | 31 | 0 | 18 | 3 | 52 |
| 282 | 15 | 0 | 0 | 0 | 15 |
| 283 | 23 | 0 | 0 | 0 | 23 |
| 284 | 28 | 0 | 1 | 0 | 29 |
| 285 | 21 | 2 | 10 | 0 | 33 |
| 286 | 35 | 0 | 0 | 0 | 35 |
| 288 | 63 | 0 | 1 | 0 | 64 |
| 289 | 21 | 0 | 0 | 1 | 22 |
| 290 | 24 | 1 | 10 | 0 | 35 |
| 291 | 47 | 3 | 23 | 3 | 76 |
| 292 | 24 | 14 | 63 | 11 | 112 |
| 293 | 38 | 22 | 72 | 14 | 146 |

| Permit Area | Adult Male | Fawn Male | Adult Female | Fawn Female | Total |
|--------------|--------------|------------|--------------|-------------|--------------|
| 294 | 55 | 1 | 1 | 1 | 58 |
| 295 | 67 | 2 | 5 | 0 | 74 |
| 296 | 27 | 3 | 4 | 0 | 34 |
| 297 | 4 | 1 | 2 | 0 | 7 |
| 298 | 12 | 5 | 30 | 12 | 59 |
| 299 | 18 | 5 | 9 | 1 | 33 |
| 338 | 11 | 5 | 32 | 5 | 53 |
| 339 | 19 | 3 | 19 | 4 | 45 |
| 341 | 37 | 26 | 81 | 8 | 152 |
| 342 | 21 | 17 | 62 | 20 | 120 |
| 343 | 56 | 33 | 159 | 40 | 288 |
| 344 | 17 | 3 | 17 | 5 | 42 |
| 345 | 30 | 9 | 36 | 8 | 83 |
| 346 | 37 | 22 | 95 | 22 | 176 |
| 347 | 20 | 11 | 49 | 5 | 85 |
| 348 | 33 | 27 | 118 | 21 | 199 |
| 349 | 51 | 29 | 165 | 19 | 264 |
| 601 | 15 | 17 | 47 | 8 | 87 |
| Total | 2,844 | 828 | 3,554 | 703 | 7,929 |

Table 13. Muzzleloader Harvest using Bonus Permits by Permit Area, 2009.

| Permit Area | Fawn Male | Adult Female | Fawn Female | Total |
|--------------|------------|--------------|-------------|--------------|
| 101 | 0 | 1 | 2 | 3 |
| 105 | 5 | 16 | 4 | 25 |
| 110 | 1 | 6 | 1 | 8 |
| 111 | 4 | 8 | 1 | 13 |
| 126 | 2 | 11 | 0 | 13 |
| 152 | 0 | 3 | 1 | 4 |
| 156 | 8 | 19 | 2 | 29 |
| 157 | 3 | 33 | 5 | 41 |
| 159 | 6 | 14 | 3 | 23 |
| 167 | 1 | 8 | 0 | 9 |
| 168 | 2 | 19 | 3 | 24 |
| 170 | 4 | 38 | 9 | 51 |
| 172 | 5 | 26 | 4 | 35 |
| 178 | 7 | 27 | 3 | 37 |
| 180 | 0 | 15 | 1 | 16 |
| 181 | 3 | 20 | 4 | 27 |
| 182 | 1 | 18 | 2 | 21 |
| 184 | 9 | 44 | 8 | 61 |
| 197 | 2 | 5 | 3 | 10 |
| 199 | 0 | 3 | 0 | 3 |
| 208 | 4 | 14 | 4 | 22 |
| 209 | 5 | 16 | 6 | 27 |
| 210 | 6 | 31 | 5 | 42 |
| 214 | 10 | 26 | 9 | 45 |
| 215 | 19 | 49 | 18 | 86 |
| 221 | 15 | 55 | 12 | 82 |
| 222 | 5 | 38 | 6 | 49 |
| 225 | 16 | 57 | 10 | 83 |
| 227 | 12 | 54 | 13 | 79 |
| 236 | 6 | 38 | 10 | 54 |
| 240 | 8 | 54 | 16 | 78 |
| 241 | 22 | 83 | 21 | 126 |
| 242 | 12 | 19 | 5 | 36 |
| 243 | 13 | 55 | 10 | 78 |
| 248 | 2 | 15 | 3 | 20 |
| 251 | 1 | 1 | 1 | 3 |
| 256 | 6 | 21 | 3 | 30 |
| 257 | 2 | 25 | 5 | 32 |
| 260 | 9 | 43 | 8 | 60 |
| 261 | 0 | 22 | 2 | 24 |
| 263 | 0 | 3 | 2 | 5 |
| 264 | 4 | 12 | 1 | 17 |
| 265 | 9 | 37 | 8 | 54 |
| 266 | 5 | 32 | 10 | 47 |
| 267 | 0 | 5 | 1 | 6 |
| 268 | 0 | 3 | 1 | 4 |
| 292 | 13 | 31 | 5 | 49 |
| 293 | 13 | 45 | 7 | 65 |
| 298 | 3 | 13 | 7 | 23 |
| 338 | 4 | 21 | 0 | 25 |
| 339 | 2 | 9 | 2 | 13 |
| 341 | 12 | 46 | 2 | 60 |
| 342 | 12 | 32 | 11 | 55 |
| 343 | 23 | 113 | 33 | 169 |
| 345 | 4 | 24 | 3 | 31 |
| 346 | 14 | 79 | 16 | 109 |
| 347 | 7 | 34 | 4 | 45 |
| 348 | 23 | 97 | 16 | 136 |
| 349 | 22 | 123 | 16 | 161 |
| 601 | 14 | 27 | 6 | 47 |
| Total | 420 | 1,836 | 374 | 2,630 |

Table 14. Summary of Muzzleloader Special Hunts, 2009.
Includes Regular, Youth, All-Season, and Bonus Permits.

| Area | Dates | Permits Issued | Adult Male | Fawn Male | Adult Female | Fawn Female | Total |
|--|-------------|----------------|------------|-----------|--------------|-------------|-------|
| 935 - Jay Cooke SP ¹ | 12/5-12/9 | 120* | 8 | 5 | 13 | 12 | 38 |
| 936 - Crow Wing SP ¹ | 12/4-12/6 | 45* | 4 | 7 | 10 | 3 | 24 |
| 937 - Soudan SP ¹ | 11/28-12/13 | 20* | 2 | 1 | 4 | 0 | 7 |
| 938 - City of Tower ¹ | 11/28-12/13 | 30* | 3 | 1 | 8 | 0 | 12 |
| 939 - Lake Shetek SP ¹ | 12/5-12/6 | 15** | 0 | 4 | 7 | 1 | 12 |
| 940 - Lake Maria SP ¹ | 12/5-12/7 | 25*** | 1 | 0 | 4 | 1 | 6 |
| 941 - Nerstrand Big Woods SP ¹ | 11/28-11/29 | 50* | 9 | 4 | 8 | 4 | 25 |
| 942 - Myre-Big Island SP | 11/28-11/30 | 40** | 0 | 6 | 14 | 2 | 22 |
| 943 - Sibley SP | 12/5-12/6 | 50** | 1 | 4 | 8 | 4 | 17 |
| 944 - Vermilion Highlands WMA ¹ | 11/28-12/13 | 25* | 1 | 1 | 2 | 0 | 4 |
| TOTAL | | | 29 | 33 | 78 | 27 | 167 |

Bonus permits available *Either Sex **Antlerless Only ***Earn-A-Buck

Table 15. Free Landowner Muzzleloader Harvest by Permit Area, 2009.

| Permit Area | Fawn Male | Adult Female | Fawn Female | Total |
|--------------|-----------|--------------|-------------|-----------|
| 110 | 0 | 1 | 0 | 1 |
| 157 | 0 | 1 | 0 | 1 |
| 170 | 0 | 1 | 0 | 1 |
| 181 | 0 | 1 | 0 | 1 |
| 184 | 0 | 1 | 0 | 1 |
| 214 | 1 | 0 | 0 | 1 |
| 215 | 0 | 0 | 1 | 1 |
| 221 | 1 | 1 | 0 | 2 |
| 222 | 1 | 1 | 0 | 2 |
| 225 | 0 | 1 | 1 | 2 |
| 240 | 1 | 3 | 0 | 4 |
| 241 | 0 | 2 | 0 | 2 |
| 256 | 0 | 1 | 0 | 1 |
| 260 | 1 | 0 | 0 | 1 |
| 264 | 1 | 0 | 0 | 1 |
| 265 | 0 | 1 | 0 | 1 |
| 266 | 1 | 0 | 0 | 1 |
| 268 | 0 | 1 | 1 | 2 |
| 292 | 0 | 0 | 1 | 1 |
| 293 | 1 | 0 | 0 | 1 |
| 338 | 0 | 1 | 0 | 1 |
| 341 | 0 | 4 | 0 | 4 |
| 343 | 0 | 1 | 0 | 1 |
| 346 | 1 | 1 | 0 | 2 |
| 347 | 0 | 1 | 0 | 1 |
| 349 | 1 | 1 | 0 | 2 |
| Total | 10 | 25 | 4 | 39 |

Table 16. Summary of Youth Firearm Hunts and NW Youth Season, 2009.

| Area | Dates | Permits Issued | Harvest | | | | Total |
|---------------------------------|-------------|----------------|-----------------|--------------|-----------|-------------|-------|
| | | | Adult Male | Adult Female | Fawn Male | Fawn Female | |
| 950 - Camp Ripley Archery | 10/09-10/11 | 150 | 1 | 7 | 2 | 2 | 12 |
| 951 - Arden Hills A | 10/09-10/11 | 30 | Incomplete Data | | | | 2 |
| 952 - Arden Hills B | 10/15-10/16 | 30 | Incomplete Data | | | | 6 |
| 953 - Whiewater Game Refuge | 10/15-10/18 | 75 | Incomplete Data | | | | 3 |
| 954 - Lake Bemidji SP | 10/17-10/18 | 25 | Incomplete Data | | | | 3 |
| 955 - Lake Alexander SNA | 10/9-10/11 | 20 | 0 | 1 | 0 | 0 | 1 |
| 956 - St. Croix SP | 10/24-10/25 | 75 | 4 | 4 | 2 | 4 | 14 |
| 957 - Rydell NWR | 10/17-10/18 | 20 | Incomplete Data | | | | 6 |
| 958 - Savanna Portage SP | 10/24-10/25 | 20 | Incomplete Data | | | | 10 |
| 959 - Buffalo River SP | 10/24-10/25 | 10 | Incomplete Data | | | | 2 |
| 960 - Tettegouche SP | 10/17-10/18 | 10 | 0 | 0 | 0 | 0 | 0 |
| 961 - Itasca SP | 10/17-10/18 | 50 | Incomplete Data | | | | 8 |
| 962 - Greenleaf State Rec. Area | 10/15-10/18 | 3 | 0 | 0 | 0 | 0 | 0 |

Northwest Youth Season - October 17 - 18, unlimited permits

| Permit Area | Adult Female | Fawn Male | Fawn Female | Total |
|-------------|--------------|-----------|-------------|-------|
| 101 | 11 | 1 | 1 | 13 |
| 105 | 8 | 3 | 2 | 13 |
| 168 | 0 | 0 | 1 | 1 |
| 201 | 2 | 0 | 0 | 2 |
| 203 | 1 | 0 | 0 | 1 |
| 208 | 6 | 2 | 5 | 13 |
| 209 | 1 | 1 | 0 | 2 |
| 244 | 0 | 0 | 0 | 0 |
| 257 | 4 | 1 | 1 | 6 |
| 260 | 6 | 2 | 3 | 11 |
| 263 | 4 | 1 | 0 | 5 |
| 264 | 5 | 2 | 1 | 8 |
| 267 | 5 | 0 | 1 | 6 |
| 268 | 4 | 1 | 0 | 5 |
| Total | 57 | 14 | 15 | 86 |

Table 17. Total Deer Harvest by Permit Area, 2009.
Includes all license types, permits, and special hunts.

| Permit Area | Adult Male | Adult Female | Fawn Male | Fawn Female | Total |
|-------------|------------|--------------|-----------|-------------|-------|
| 101 | 356 | 309 | 90 | 84 | 839 |
| 104 | 944 | 275 | 69 | 29 | 1,317 |
| 105 | 808 | 804 | 216 | 179 | 2,007 |
| 107 | 1434 | 229 | 47 | 25 | 1,735 |
| 110 | 663 | 508 | 148 | 120 | 1,439 |
| 111 | 608 | 507 | 133 | 108 | 1,356 |
| 114 | 54 | 35 | 5 | 1 | 95 |
| 115 | 1635 | 447 | 87 | 47 | 2,216 |
| 116 | 132 | 36 | 2 | 0 | 170 |
| 122 | 553 | 146 | 29 | 26 | 754 |
| 126 | 495 | 283 | 47 | 36 | 861 |
| 127 | 106 | 23 | 0 | 2 | 131 |
| 152 | 160 | 142 | 40 | 33 | 375 |
| 154 | 1701 | 719 | 220 | 131 | 2,771 |
| 156 | 1938 | 1470 | 505 | 331 | 4,244 |
| 157 | 2466 | 1887 | 683 | 451 | 5,487 |
| 159 | 1366 | 1112 | 316 | 236 | 3,030 |
| 167 | 585 | 531 | 125 | 94 | 1,335 |
| 168 | 1142 | 1050 | 284 | 220 | 2,696 |
| 170 | 2416 | 2074 | 654 | 487 | 5,631 |
| 172 | 1203 | 1497 | 438 | 322 | 3,460 |
| 174 | 1245 | 500 | 149 | 72 | 1,966 |
| 175 | 1734 | 511 | 97 | 68 | 2,410 |
| 178 | 2575 | 1678 | 476 | 317 | 5,046 |
| 180 | 1539 | 760 | 171 | 130 | 2,600 |
| 181 | 1807 | 1156 | 335 | 227 | 3,525 |
| 182 | 788 | 1023 | 299 | 229 | 2,339 |
| 183 | 1409 | 529 | 154 | 102 | 2,194 |
| 184 | 2857 | 2430 | 772 | 602 | 6,661 |
| 197 | 882 | 656 | 179 | 141 | 1,858 |
| 199 | 145 | 70 | 15 | 9 | 239 |
| 201 | 91 | 51 | 18 | 22 | 182 |
| 203 | 99 | 56 | 16 | 14 | 185 |
| 208 | 242 | 224 | 61 | 59 | 586 |
| 209 | 609 | 635 | 174 | 174 | 1,592 |
| 210 | 1054 | 1048 | 319 | 288 | 2,709 |
| 213 | 1792 | 811 | 273 | 208 | 3,084 |
| 214 | 1427 | 1168 | 498 | 374 | 3,467 |
| 215 | 1131 | 954 | 430 | 316 | 2,831 |
| 218 | 957 | 492 | 173 | 127 | 1,749 |
| 219 | 656 | 319 | 116 | 81 | 1,172 |
| 221 | 1055 | 973 | 430 | 329 | 2,787 |
| 222 | 980 | 848 | 343 | 226 | 2,397 |
| 223 | 624 | 235 | 101 | 59 | 1,019 |
| 224 | 104 | 58 | 15 | 14 | 191 |
| 225 | 1483 | 1363 | 569 | 372 | 3,787 |
| 227 | 1063 | 994 | 366 | 256 | 2,679 |
| 229 | 309 | 119 | 53 | 24 | 505 |
| 230 | 265 | 118 | 32 | 29 | 444 |

| Permit Area | Adult Male | Adult Female | Fawn Male | Fawn Female | Total |
|-------------|------------|--------------|-----------|-------------|-------|
| 232 | 271 | 111 | 23 | 10 | 415 |
| 233 | 243 | 103 | 21 | 16 | 383 |
| 234 | 196 | 6 | 2 | 0 | 204 |
| 235 | 53 | 19 | 6 | 6 | 84 |
| 236 | 939 | 871 | 260 | 163 | 2,233 |
| 237 | 243 | 14 | 4 | 3 | 264 |
| 238 | 76 | 18 | 3 | 1 | 98 |
| 239 | 1382 | 794 | 278 | 202 | 2,656 |
| 240 | 1888 | 1541 | 554 | 420 | 4,403 |
| 241 | 1466 | 1721 | 624 | 525 | 4,336 |
| 242 | 607 | 668 | 169 | 154 | 1,598 |
| 243 | 927 | 1145 | 389 | 336 | 2,797 |
| 244 | 1543 | 702 | 274 | 171 | 2,690 |
| 245 | 1517 | 837 | 264 | 168 | 2,786 |
| 246 | 1754 | 1052 | 303 | 215 | 3,324 |
| 247 | 689 | 395 | 116 | 73 | 1,273 |
| 248 | 406 | 320 | 97 | 94 | 917 |
| 249 | 1149 | 628 | 261 | 155 | 2,193 |
| 250 | 411 | 72 | 8 | 3 | 494 |
| 251 | 63 | 74 | 31 | 31 | 199 |
| 252 | 346 | 90 | 16 | 10 | 462 |
| 253 | 443 | 122 | 25 | 14 | 604 |
| 254 | 547 | 212 | 53 | 34 | 846 |
| 255 | 464 | 158 | 50 | 22 | 694 |
| 256 | 462 | 541 | 136 | 128 | 1,267 |
| 257 | 392 | 492 | 131 | 137 | 1,152 |
| 260 | 610 | 738 | 139 | 129 | 1,616 |
| 261 | 172 | 210 | 37 | 28 | 447 |
| 262 | 179 | 62 | 17 | 17 | 275 |
| 263 | 419 | 270 | 62 | 61 | 812 |
| 264 | 714 | 510 | 156 | 123 | 1,503 |
| 265 | 503 | 606 | 207 | 165 | 1,481 |
| 266 | 447 | 380 | 97 | 97 | 1,021 |
| 267 | 207 | 203 | 42 | 64 | 516 |
| 268 | 280 | 264 | 73 | 56 | 673 |
| 269 | 262 | 61 | 18 | 13 | 354 |
| 270 | 179 | 33 | 6 | 13 | 231 |
| 271 | 212 | 39 | 10 | 4 | 265 |
| 272 | 208 | 28 | 11 | 6 | 253 |
| 273 | 384 | 162 | 45 | 35 | 626 |
| 274 | 166 | 28 | 4 | 3 | 201 |
| 275 | 282 | 5 | 1 | 0 | 288 |
| 276 | 443 | 105 | 30 | 13 | 591 |
| 277 | 1347 | 461 | 117 | 75 | 2,000 |
| 278 | 512 | 124 | 38 | 28 | 702 |
| 279 | 222 | 70 | 15 | 5 | 312 |
| 280 | 219 | 60 | 11 | 13 | 303 |
| 281 | 501 | 144 | 22 | 20 | 687 |
| 282 | 122 | 5 | 2 | 0 | 129 |

Table 17. (Continued).

| Permit Area | Adult Male | Adult Female | Fawn Male | Fawn Female | Total |
|-------------|------------|--------------|-----------|-------------|-------|
| 283 | 258 | 4 | 6 | 1 | 269 |
| 284 | 339 | 14 | 4 | 3 | 360 |
| 285 | 451 | 186 | 39 | 23 | 699 |
| 286 | 291 | 11 | 2 | 1 | 305 |
| 287 | 85 | 139 | 41 | 37 | 302 |
| 288 | 500 | 18 | 4 | 4 | 526 |
| 289 | 189 | 9 | 1 | 3 | 202 |
| 290 | 352 | 112 | 19 | 8 | 491 |
| 291 | 737 | 270 | 73 | 34 | 1,114 |
| 292 | 494 | 354 | 119 | 75 | 1,042 |
| 293 | 507 | 382 | 122 | 80 | 1,091 |
| 294 | 296 | 12 | 2 | 2 | 312 |
| 295 | 532 | 103 | 28 | 9 | 672 |
| 296 | 317 | 78 | 20 | 12 | 427 |
| 297 | 197 | 39 | 9 | 6 | 251 |
| 298 | 701 | 568 | 171 | 147 | 1,587 |
| 299 | 314 | 141 | 30 | 23 | 508 |
| 338 | 382 | 302 | 84 | 69 | 837 |
| 339 | 344 | 299 | 93 | 65 | 801 |
| 341 | 1122 | 946 | 321 | 243 | 2,632 |
| 342 | 880 | 778 | 225 | 191 | 2,074 |
| 343 | 1125 | 1417 | 360 | 274 | 3,176 |
| 344 | 616 | 266 | 93 | 60 | 1,035 |
| 345 | 628 | 546 | 181 | 115 | 1,470 |
| 346 | 1169 | 1308 | 381 | 304 | 3,162 |
| 347 | 653 | 504 | 145 | 96 | 1,398 |
| 348 | 822 | 938 | 226 | 213 | 2,199 |
| 349 | 1544 | 1901 | 404 | 410 | 4,259 |
| 601 | 1346 | 1553 | 419 | 292 | 3,610 |
| 901 | 3 | 3 | 1 | 0 | 7 |
| 902 | 50 | 95 | 35 | 35 | 215 |
| 903 | 1 | 7 | 0 | 1 | 9 |
| 904 | 7 | 2 | 1 | 0 | 10 |
| 905 | 3 | 3 | 1 | 1 | 8 |
| 906 | 8 | 9 | 2 | 4 | 23 |
| 907 | 0 | 4 | 0 | 1 | 5 |
| 908 | 2 | 2 | 0 | 0 | 4 |
| 909 | 0 | 0 | 3 | 1 | 4 |
| 910 | 0 | 6 | 6 | 1 | 13 |
| 912 | 25 | 41 | 25 | 23 | 114 |
| 913 | 1 | 6 | 2 | 1 | 10 |
| 914 | 13 | 3 | 5 | 2 | 23 |
| 915 | 3 | 8 | 2 | 6 | 19 |

| Permit Area | Adult Male | Adult Female | Fawn Male | Fawn Female | Total |
|--------------|---------------|---------------|---------------|---------------|----------------|
| 916 | 31 | 32 | 26 | 15 | 104 |
| 918 | 2 | 6 | 2 | 1 | 11 |
| 920 | 0 | 8 | 3 | 0 | 11 |
| 921 | 3 | 5 | 5 | 6 | 19 |
| 922 | 4 | 9 | 1 | 4 | 18 |
| 923 | 0 | 3 | 3 | 1 | 7 |
| 925 | 9 | 20 | 8 | 4 | 41 |
| 926 | 2 | 4 | 1 | 2 | 9 |
| 927 | 7 | 27 | 6 | 12 | 52 |
| 928 | 0 | 1 | 1 | 0 | 2 |
| 929 | 1 | 15 | 4 | 5 | 25 |
| 928 | 0 | 6 | 1 | 1 | 8 |
| 930 | 8 | 4 | 1 | 0 | 13 |
| 931 | 13 | 21 | 9 | 6 | 49 |
| 932 | 5 | 5 | 2 | 3 | 15 |
| 935 | 8 | 13 | 5 | 12 | 38 |
| 936 | 4 | 10 | 7 | 3 | 24 |
| 937 | 2 | 4 | 1 | 0 | 7 |
| 938 | 3 | 8 | 1 | 0 | 12 |
| 939 | 0 | 7 | 4 | 1 | 12 |
| 940 | 1 | 4 | 0 | 1 | 6 |
| 941 | 9 | 8 | 4 | 4 | 25 |
| 942 | 0 | 14 | 6 | 2 | 22 |
| 943 | 1 | 8 | 4 | 4 | 17 |
| 944 | 1 | 2 | 1 | 0 | 4 |
| 950 | 2 | 7 | 2 | 1 | 12 |
| 953 | 1 | 4 | 2 | 0 | 7 |
| 954 | 1 | 1 | 1 | 0 | 3 |
| 955 | 0 | 1 | 0 | 0 | 1 |
| 956 | 5 | 4 | 1 | 3 | 13 |
| 958 | 3 | 2 | 3 | 2 | 10 |
| 959 | 0 | 2 | 1 | 2 | 5 |
| 961 | 0 | 3 | 1 | 1 | 5 |
| 970 | 45 | 89 | 25 | 11 | 170 |
| 971 | 131 | 116 | 27 | 32 | 306 |
| 975 | 1 | 0 | 0 | 0 | 1 |
| 976 | 0 | 1 | 0 | 0 | 1 |
| 977 | 0 | 2 | 0 | 1 | 3 |
| 984 | 0 | 2 | 1 | 0 | 3 |
| 985 | 3 | 6 | 0 | 0 | 9 |
| TOTAL | 94,367 | 65,008 | 19,905 | 14,906 | 194,186 |

Table 18. Estimated firearm hunter numbers, density, and harvest by Permit Area, 2009.

| Permit Area | Firearm Hunters | Area Size (sq mi) | Hunters/mile ² | Harvest/mile ² |
|-------------|-----------------|-------------------|---------------------------|---------------------------|
| 101 | 1,628 | 496 | 3.3 | 1.5 |
| 104 | 4,360 | 2,078 | 2.1 | 0.6 |
| 105 | 3,786 | 740 | 5.1 | 2.3 |
| 107 | 6,787 | 1,896 | 3.6 | 0.9 |
| 110 | 2,617 | 300 | 8.7 | 4.6 |
| 111 | 3,120 | 1,437 | 2.2 | 0.8 |
| 114 | 170 | 123 | 1.4 | 0.7 |
| 115 | 8,146 | 1,867 | 4.4 | 1.1 |
| 116 | 781 | 1,164 | 0.7 | 0.1 |
| 122 | 2,186 | 619 | 3.5 | 1.2 |
| 126 | 1,977 | 943 | 2.1 | 0.8 |
| 127 | 538 | 561 | 1.0 | 0.2 |
| 152 | 1,204 | 61 | 19.7 | 5.7 |
| 154 | 8,779 | 760 | 11.6 | 3.4 |
| 156 | 9,074 | 825 | 11.0 | 4.8 |
| 157 | 12,396 | 889 | 13.9 | 5.7 |
| 159 | 6,955 | 568 | 12.2 | 4.9 |
| 167 | 3,551 | 432 | 8.2 | 3.0 |
| 168 | 7,509 | 723 | 10.4 | 3.5 |
| 170 | 12,977 | 1,311 | 9.9 | 3.9 |
| 172 | 9,072 | 451 | 20.1 | 7.1 |
| 174 | 6,205 | 835 | 7.4 | 2.3 |
| 175 | 8,137 | 1,249 | 6.5 | 1.9 |
| 178 | 10,007 | 1,259 | 7.9 | 3.7 |
| 180 | 5,913 | 983 | 6.0 | 2.4 |
| 181 | 6,572 | 709 | 9.3 | 4.5 |
| 182 | 2,236 | 269 | 8.3 | 4.1 |
| 183 | 7,197 | 663 | 10.9 | 3.1 |
| 184 | 13,449 | 1,231 | 10.9 | 5.0 |
| 197 | 5,097 | 975 | 5.2 | 1.8 |
| 199 | 562 | 148 | 3.8 | 1.5 |
| 201 | 374 | 161 | 2.3 | 1.1 |
| 203 | 319 | 118 | 2.7 | 1.5 |
| 208 | 1,198 | 379 | 3.2 | 1.3 |
| 209 | 2,452 | 639 | 3.8 | 1.9 |
| 210 | 4,321 | 615 | 7.0 | 3.6 |
| 213 | 8,909 | 1,057 | 8.4 | 2.5 |
| 214 | 6,568 | 557 | 11.8 | 5.7 |
| 215 | 6,222 | 701 | 8.9 | 3.3 |
| 218 | 4,887 | 884 | 5.5 | 1.7 |
| 219 | 2,967 | 392 | 7.6 | 2.4 |
| 221 | 4,776 | 642 | 7.4 | 3.6 |
| 222 | 4,464 | 413 | 10.8 | 4.7 |

| Permit Area | Firearm Hunters | Area Size (sq mi) | Hunters/mile ² | Harvest/mile ² |
|-------------|-----------------|-------------------|---------------------------|---------------------------|
| 223 | 2,777 | 377 | 7.4 | 2.1 |
| 224 | 659 | 47 | 14.1 | 3.6 |
| 225 | 6,646 | 618 | 10.7 | 4.5 |
| 227 | 4,402 | 471 | 9.3 | 3.7 |
| 229 | 1,497 | 287 | 5.2 | 1.3 |
| 230 | 1,356 | 452 | 3.0 | 0.8 |
| 232 | 1,174 | 377 | 3.1 | 0.9 |
| 233 | 990 | 385 | 2.6 | 0.7 |
| 234 | 602 | 636 | 0.9 | 0.2 |
| 233 | 990 | 385 | 2.6 | 0.7 |
| 234 | 602 | 636 | 0.9 | 0.2 |
| 235 | 342 | 32 | 10.7 | 1.9 |
| 236 | 3,228 | 372 | 8.7 | 3.7 |
| 237 | 681 | 728 | 0.9 | 0.2 |
| 238 | 252 | 95 | 2.7 | 0.8 |
| 239 | 7,606 | 922 | 8.2 | 2.7 |
| 240 | 7,300 | 642 | 11.4 | 6.1 |
| 241 | 5,319 | 417 | 12.8 | 8.8 |
| 242 | 2,715 | 215 | 12.6 | 5.7 |
| 243 | 4,578 | 314 | 14.6 | 7.6 |
| 244 | 7,417 | 583 | 12.7 | 4.3 |
| 245 | 8,784 | 583 | 15.1 | 4.4 |
| 246 | 9,514 | 772 | 12.3 | 4.1 |
| 247 | 3,511 | 229 | 15.3 | 5.0 |
| 248 | 1,895 | 212 | 8.9 | 3.6 |
| 249 | 5,740 | 502 | 11.4 | 4.1 |
| 250 | 1,378 | 711 | 1.9 | 0.5 |
| 251 | 557 | 55 | 10.1 | 3.4 |
| 252 | 1,156 | 715 | 1.6 | 0.5 |
| 253 | 1,880 | 974 | 1.9 | 0.5 |
| 254 | 2,403 | 930 | 2.6 | 0.7 |
| 255 | 1,622 | 774 | 2.1 | 0.6 |
| 256 | 2,361 | 653 | 3.6 | 1.6 |
| 257 | 1,881 | 412 | 4.6 | 2.2 |
| 260 | 2,460 | 1,249 | 2.0 | 1.0 |
| 261 | 877 | 795 | 1.1 | 0.4 |
| 262 | 902 | 677 | 1.3 | 0.3 |
| 263 | 1,627 | 512 | 3.2 | 1.5 |
| 264 | 3,212 | 669 | 4.8 | 2.1 |
| 265 | 2,083 | 494 | 4.2 | 2.3 |
| 266 | 2,020 | 617 | 3.3 | 1.4 |
| 267 | 1,071 | 472 | 2.3 | 0.9 |
| 268 | 1,144 | 229 | 5.0 | 2.5 |

Table 18. (Continued).

| Permit Area | Firearm Hunters | Area Size (sq mi) | Hunters/ mile ² | Harvest/ mile ² |
|--------------|-----------------|-------------------|----------------------------|----------------------------|
| 269 | 1,230 | 650 | 1.9 | 0.4 |
| 270 | 869 | 748 | 1.2 | 0.2 |
| 271 | 847 | 632 | 1.3 | 0.3 |
| 272 | 882 | 531 | 1.7 | 0.4 |
| 273 | 2,489 | 572 | 4.4 | 0.9 |
| 274 | 678 | 355 | 1.9 | 0.4 |
| 275 | 1,365 | 764 | 1.8 | 0.3 |
| 276 | 2,761 | 543 | 5.1 | 1.0 |
| 277 | 5,643 | 813 | 6.9 | 2.0 |
| 278 | 2,032 | 401 | 5.1 | 1.3 |
| 279 | 1,091 | 344 | 3.2 | 0.7 |
| 280 | 1,266 | 675 | 1.9 | 0.3 |
| 281 | 2,246 | 575 | 3.9 | 1.0 |
| 282 | 618 | 779 | 0.8 | 0.1 |
| 283 | 974 | 614 | 1.6 | 0.3 |
| 284 | 1,166 | 838 | 1.4 | 0.3 |
| 285 | 2,222 | 550 | 4.0 | 0.9 |
| 286 | 942 | 446 | 2.1 | 0.5 |
| 287 | 660 | 46 | 14.4 | 6.5 |
| 288 | 1,538 | 625 | 2.5 | 0.6 |
| 289 | 657 | 816 | 0.8 | 0.2 |
| 290 | 2,240 | 662 | 3.4 | 0.6 |
| 291 | 3,536 | 802 | 4.4 | 1.0 |
| 292 | 2,682 | 480 | 5.6 | 1.5 |
| 293 | 2,420 | 511 | 4.7 | 1.5 |
| 294 | 778 | 686 | 1.1 | 0.3 |
| 295 | 2,042 | 840 | 2.4 | 0.6 |
| 296 | 1,493 | 666 | 2.2 | 0.5 |
| 297 | 975 | 438 | 2.2 | 0.5 |
| 298 | 3,794 | 618 | 6.1 | 2.4 |
| 299 | 1,376 | 386 | 3.6 | 1.0 |
| 338 | 1,914 | 454 | 4.2 | 1.4 |
| 339 | 1,787 | 394 | 4.5 | 1.6 |
| 341 | 4,959 | 611 | 8.1 | 3.4 |
| 342 | 3,707 | 350 | 10.6 | 4.8 |
| 343 | 4,456 | 662 | 6.7 | 2.8 |
| 344 | 2,833 | 189 | 15.0 | 4.7 |
| 345 | 2,829 | 326 | 8.7 | 3.7 |
| 346 | 4,248 | 319 | 13.3 | 7.1 |
| 347 | 3,047 | 434 | 7.0 | 2.5 |
| 348 | 3,986 | 332 | 12.0 | 5.0 |
| 349 | 6,512 | 492 | 13.2 | 6.4 |
| 601 | 2,633 | 1,633 | 1.6 | 0.8 |
| Total | 434,487 | 78,929 | 5.5 | 2.0 |

Table 19. Deer harvest per square mile by season, 2009.

| Permit Area | Area Size (sq mi) | Archery Harvest/mi ² | Firearm Harvest/mi ² | Muzz. Harvest/mi ² | EA Harvest/mi ² | Total Harvest/mi ² |
|-------------|-------------------|---------------------------------|---------------------------------|-------------------------------|----------------------------|-------------------------------|
| 101 | 496 | 0.03 | 1.5 | 0.02 | 0.07 | 1.6 |
| 104 | 2,078 | 0.01 | 0.6 | 0.01 | | 0.6 |
| 105 | 740 | 0.10 | 2.3 | 0.06 | 0.27 | 2.7 |
| 107 | 1,896 | 0.02 | 0.9 | 0.01 | | 0.9 |
| 110 | 300 | 0.16 | 4.6 | 0.07 | | 4.8 |
| 111 | 1,437 | 0.01 | 0.8 | 0.01 | 0.08 | 0.9 |
| 114 | 123 | 0.10 | 0.7 | 0.00 | | 0.8 |
| 115 | 1,867 | 0.02 | 1.1 | 0.03 | | 1.2 |
| 116 | 1,164 | 0.01 | 0.1 | 0.01 | | 0.1 |
| 122 | 619 | 0.02 | 1.2 | 0.01 | | 1.2 |
| 126 | 943 | 0.04 | 0.8 | 0.04 | | 0.9 |
| 127 | 561 | 0.00 | 0.2 | 0.01 | | 0.2 |
| 152 | 61 | 0.31 | 5.7 | 0.13 | | 6.1 |
| 154 | 760 | 0.19 | 3.4 | 0.02 | | 3.6 |
| 156 | 825 | 0.27 | 4.8 | 0.10 | | 5.1 |
| 157 | 889 | 0.40 | 5.7 | 0.12 | | 6.2 |
| 159 | 568 | 0.35 | 4.9 | 0.11 | | 5.3 |
| 167 | 432 | 0.06 | 3.0 | 0.06 | | 3.1 |
| 168 | 723 | 0.15 | 3.5 | 0.11 | | 3.7 |
| 170 | 1,311 | 0.28 | 3.9 | 0.11 | | 4.3 |
| 172 | 451 | 0.42 | 7.1 | 0.17 | | 7.7 |
| 174 | 835 | 0.07 | 2.3 | 0.02 | | 2.4 |
| 175 | 1,249 | 0.04 | 1.9 | 0.02 | | 1.9 |
| 178 | 1,259 | 0.17 | 3.7 | 0.09 | | 4.0 |
| 180 | 983 | 0.15 | 2.4 | 0.05 | | 2.6 |
| 181 | 709 | 0.33 | 4.5 | 0.10 | | 5.0 |
| 182 | 269 | 3.93 | 4.1 | 0.17 | 0.47 | 8.7 |
| 183 | 663 | 0.13 | 3.1 | 0.03 | | 3.3 |
| 184 | 1,231 | 0.28 | 5.0 | 0.13 | | 5.4 |
| 197 | 975 | 0.07 | 1.8 | 0.04 | | 1.9 |
| 199 | 148 | 0.12 | 1.5 | 0.04 | | 1.6 |
| 201 | 161 | 0.01 | 1.1 | 0.01 | | 1.1 |
| 203 | 118 | 0.03 | 1.5 | 0.01 | | 1.6 |
| 208 | 379 | 0.04 | 1.3 | 0.08 | 0.11 | 1.5 |
| 209 | 639 | 0.12 | 1.9 | 0.09 | 0.33 | 2.5 |
| 210 | 615 | 0.21 | 3.6 | 0.14 | 0.49 | 4.4 |
| 213 | 1,057 | 0.29 | 2.5 | 0.11 | | 2.9 |
| 214 | 557 | 0.37 | 5.7 | 0.20 | | 6.2 |
| 215 | 701 | 0.50 | 3.3 | 0.28 | | 4.0 |
| 218 | 884 | 0.25 | 1.7 | 0.08 | | 2.0 |
| 219 | 392 | 0.41 | 2.4 | 0.19 | | 3.0 |
| 221 | 642 | 0.54 | 3.6 | 0.24 | | 4.3 |
| 222 | 413 | 0.77 | 4.7 | 0.31 | | 5.8 |
| 223 | 377 | 0.51 | 2.1 | 0.11 | | 2.7 |
| 224 | 47 | 0.47 | 3.6 | 0.02 | | 4.1 |

Table 19. (Continued).

| Permit Area | Area Size (sq mi) | Archery Harvest/mi ² | Firearm Harvest/mi ² | Muzz. Harvest/mi ² | EA Harvest/mi ² | Total Harvest/mi ² |
|-------------|-------------------|---------------------------------|---------------------------------|-------------------------------|----------------------------|-------------------------------|
| 225 | 618 | 0.78 | 4.5 | 0.28 | 0.54 | 6.1 |
| 227 | 471 | 1.35 | 3.7 | 0.36 | 0.26 | 5.7 |
| 229 | 287 | 0.37 | 1.3 | 0.11 | | 1.8 |
| 230 | 452 | 0.12 | 0.8 | 0.07 | | 1.0 |
| 232 | 377 | 0.15 | 0.9 | 0.09 | | 1.1 |
| 233 | 385 | 0.23 | 0.7 | 0.11 | | 1.0 |
| 234 | 636 | 0.04 | 0.2 | 0.04 | | 0.3 |
| 235 | 32 | 0.65 | 1.9 | 0.09 | | 2.6 |
| 236 | 372 | 1.70 | 3.7 | 0.34 | 0.28 | 6.0 |
| 237 | 728 | 0.04 | 0.2 | 0.08 | | 0.4 |
| 238 | 95 | 0.12 | 0.8 | 0.09 | | 1.0 |
| 239 | 922 | 0.13 | 2.7 | 0.07 | | 2.9 |
| 240 | 642 | 0.46 | 6.1 | 0.26 | | 6.9 |
| 241 | 417 | 1.13 | 8.8 | 0.49 | | 10.4 |
| 242 | 215 | 1.34 | 5.7 | 0.38 | | 7.4 |
| 243 | 314 | 0.94 | 7.6 | 0.39 | | 8.9 |
| 244 | 583 | 0.21 | 4.3 | 0.09 | | 4.6 |
| 245 | 583 | 0.24 | 4.4 | 0.13 | | 4.8 |
| 246 | 772 | 0.13 | 4.1 | 0.06 | | 4.3 |
| 247 | 229 | 0.47 | 5.0 | 0.11 | | 5.6 |
| 248 | 212 | 0.52 | 3.6 | 0.22 | | 4.3 |
| 249 | 502 | 0.23 | 4.1 | 0.08 | | 4.4 |
| 250 | 711 | 0.11 | 0.5 | 0.07 | | 0.7 |
| 251 | 55 | 0.09 | 3.4 | 0.13 | | 3.6 |
| 252 | 715 | 0.11 | 0.5 | 0.07 | | 0.6 |
| 253 | 974 | 0.09 | 0.5 | 0.05 | | 0.6 |
| 254 | 930 | 0.14 | 0.7 | 0.09 | | 0.9 |
| 255 | 774 | 0.18 | 0.6 | 0.09 | | 0.9 |
| 256 | 653 | 0.08 | 1.6 | 0.09 | 0.19 | 1.9 |
| 257 | 412 | 0.15 | 2.2 | 0.13 | 0.32 | 2.8 |
| 260 | 1,249 | 0.07 | 1.0 | 0.10 | 0.13 | 1.3 |
| 261 | 795 | 0.06 | 0.4 | 0.06 | 0.04 | 0.6 |
| 262 | 677 | 0.05 | 0.3 | 0.03 | | 0.4 |
| 263 | 512 | 0.03 | 1.5 | 0.04 | | 1.6 |
| 264 | 669 | 0.06 | 2.1 | 0.10 | | 2.2 |
| 265 | 494 | 0.16 | 2.3 | 0.19 | 0.36 | 3.0 |
| 266 | 617 | 0.10 | 1.4 | 0.16 | | 1.7 |
| 267 | 472 | 0.05 | 0.9 | 0.04 | 0.07 | 1.1 |
| 268 | 229 | 0.10 | 2.5 | 0.08 | 0.20 | 2.9 |
| 269 | 650 | 0.05 | 0.4 | 0.06 | | 0.5 |
| 270 | 748 | 0.04 | 0.2 | 0.02 | | 0.3 |
| 271 | 632 | 0.05 | 0.3 | 0.03 | | 0.4 |
| 272 | 531 | 0.04 | 0.4 | 0.04 | | 0.5 |
| 273 | 572 | 0.10 | 0.9 | 0.05 | | 1.1 |
| 274 | 355 | 0.13 | 0.4 | 0.04 | | 0.6 |

Table 19. (Continued).

| Permit Area | Area Size (sq mi) | Archery Harvest/mi ² | Firearm Harvest/mi ² | Muzz. Harvest/mi ² | EA Harvest/mi ² | Total Harvest/mi ² |
|--------------|-------------------|---------------------------------|---------------------------------|-------------------------------|----------------------------|-------------------------------|
| 275 | 764 | 0.03 | 0.3 | 0.03 | | 0.4 |
| 276 | 543 | 0.07 | 1.0 | 0.06 | | 1.1 |
| 277 | 813 | 0.36 | 2.0 | 0.14 | | 2.5 |
| 278 | 401 | 0.23 | 1.3 | 0.16 | | 1.7 |
| 279 | 344 | 0.08 | 0.7 | 0.08 | | 0.9 |
| 280 | 675 | 0.06 | 0.3 | 0.04 | | 0.4 |
| 281 | 575 | 0.14 | 1.0 | 0.09 | | 1.2 |
| 282 | 779 | 0.02 | 0.1 | 0.02 | | 0.2 |
| 283 | 614 | 0.06 | 0.3 | 0.04 | | 0.4 |
| 284 | 838 | 0.06 | 0.3 | 0.03 | | 0.4 |
| 285 | 550 | 0.27 | 0.9 | 0.06 | | 1.3 |
| 286 | 446 | 0.06 | 0.5 | 0.08 | | 0.7 |
| 287 | 46 | 0.09 | 6.5 | 0.00 | | 6.6 |
| 288 | 625 | 0.10 | 0.6 | 0.10 | | 0.8 |
| 289 | 816 | 0.02 | 0.2 | 0.03 | | 0.2 |
| 290 | 662 | 0.08 | 0.6 | 0.05 | | 0.7 |
| 291 | 802 | 0.29 | 1.0 | 0.09 | | 1.4 |
| 292 | 480 | 0.39 | 1.5 | 0.23 | | 2.2 |
| 293 | 511 | 0.32 | 1.5 | 0.29 | | 2.1 |
| 294 | 686 | 0.05 | 0.3 | 0.08 | | 0.5 |
| 295 | 840 | 0.14 | 0.6 | 0.09 | | 0.8 |
| 296 | 666 | 0.09 | 0.5 | 0.05 | | 0.6 |
| 297 | 438 | 0.01 | 0.5 | 0.02 | | 0.6 |
| 298 | 618 | 0.06 | 2.4 | 0.10 | | 2.6 |
| 299 | 386 | 0.26 | 1.0 | 0.09 | | 1.3 |
| 338 | 454 | 0.35 | 1.4 | 0.12 | | 1.8 |
| 339 | 394 | 0.36 | 1.6 | 0.11 | | 2.0 |
| 341 | 611 | 0.70 | 3.4 | 0.25 | | 4.3 |
| 342 | 350 | 0.75 | 4.8 | 0.34 | | 5.9 |
| 343 | 662 | 1.51 | 2.8 | 0.43 | | 4.8 |
| 344 | 189 | 0.57 | 4.7 | 0.22 | | 5.5 |
| 345 | 326 | 0.56 | 3.7 | 0.25 | | 4.5 |
| 346 | 319 | 1.46 | 7.1 | 0.55 | 0.82 | 9.9 |
| 347 | 434 | 0.49 | 2.5 | 0.20 | | 3.2 |
| 348 | 332 | 1.03 | 5.0 | 0.60 | | 6.6 |
| 349 | 492 | 1.11 | 6.4 | 0.54 | 0.57 | 8.7 |
| 601 | 1,633 | 1.35 | 0.8 | 0.05 | 0.03 | 2.2 |
| Total | 78,929 | 0.26 | 2.0 | 0.10 | 0.04 | 2.4 |

Table 20. 2009 Antlerless Lottery Distribution Report.

| Permit Area Number | Preference Level | Applications | | Unsuccessful | Winners | Permits Available | % Under-Subscribed |
|--------------------|------------------|--------------|------------|--------------|--------------|-------------------|--------------------|
| | | Total | Rejected | | | | |
| 104 | 1 | 2,052 | 118 | 692 | 1,360 | 1,500 | 0.0% |
| | 2 | 121 | 0 | 0 | 121 | | |
| | 3 | 17 | 0 | 0 | 17 | | |
| | 4 | 2 | 0 | 0 | 2 | | |
| | | 2,192 | 118 | 692 | 1,500 | | |
| 107 | 1 | 3,079 | 197 | 2,717 | 362 | 500 | 0.0% |
| | 2 | 106 | 1 | 0 | 106 | | |
| | 3 | 29 | 0 | 0 | 29 | | |
| | 4 | 3 | 0 | 0 | 3 | | |
| | | 3,217 | 198 | 2,717 | 500 | | |
| 115 | 1 | 3,707 | 245 | 1,886 | 1,821 | 2,000 | 0.0% |
| | 2 | 166 | 5 | 0 | 166 | | |
| | 3 | 9 | 0 | 0 | 9 | | |
| | 4 | 4 | 0 | 0 | 4 | | |
| | | 3,886 | 250 | 1,886 | 2,000 | | |
| 116 | 1 | 268 | 9 | 192 | 76 | 100 | 0.0% |
| | 2 | 23 | 0 | 0 | 23 | | |
| | 3 | 0 | 0 | 0 | 0 | | |
| | 4 | 1 | 0 | 0 | 1 | | |
| | | 292 | 9 | 192 | 100 | | |
| 122 | 1 | 620 | 53 | 0 | 620 | 1,000 | 10.0% |
| | 2 | 264 | 1 | 0 | 264 | | |
| | 3 | 13 | 0 | 0 | 13 | | |
| | 4 | 3 | 0 | 0 | 3 | | |
| | 9 | 1 | 0 | 0 | 1 | | |
| | | 901 | 54 | 0 | 900 | | |
| 127 | 1 | 139 | 9 | 6 | 133 | 150 | 0.0% |
| | 2 | 15 | 0 | 0 | 15 | | |
| | 3 | 2 | 0 | 0 | 2 | | |
| | | 156 | 9 | 6 | 150 | | |
| 154 | 1 | 4,211 | 211 | 2,652 | 1,559 | 2,250 | 0.0% |
| | 2 | 670 | 70 | 0 | 670 | | |
| | 3 | 20 | 0 | 0 | 20 | | |
| | 5 | 1 | 0 | 0 | 1 | | |
| | | 4,902 | 281 | 2,652 | 2,250 | | |
| 174 | 1 | 2,781 | 227 | 1,019 | 1,762 | 2,000 | 0.0% |
| | 2 | 211 | 3 | 0 | 211 | | |
| | 3 | 21 | 1 | 0 | 21 | | |
| | 4 | 6 | 0 | 0 | 6 | | |
| | | 3,019 | 231 | 1,019 | 2,000 | | |
| 175 | 1 | 3,753 | 240 | 1,969 | 1,784 | 2,000 | 0.0% |
| | 2 | 175 | 5 | 0 | 175 | | |
| | 3 | 5 | 0 | 0 | 5 | | |
| | 4 | 36 | 1 | 0 | 36 | | |
| | | 3,969 | 246 | 1,969 | 2,000 | | |
| 183 | 1 | 3,082 | 237 | 783 | 2,299 | 2,500 | 0.0% |
| | 2 | 173 | 0 | 0 | 173 | | |
| | 3 | 26 | 0 | 0 | 26 | | |
| | 4 | 2 | 1 | 0 | 2 | | |
| | | 3,283 | 238 | 783 | 2,500 | | |

Table 20. (Continued).

| Permit Area Number | Preference Level | Applications | | Unsuccessful | Winners | Permits Available | % Under-Subscribed | |
|--------------------|------------------|--------------|--------------|--------------|------------|-------------------|--------------------|--------------|
| | | Total | Rejected | | | | | |
| 213 | 1 | 4,977 | 419 | 662 | 4,315 | 4,500 | 0.0% | |
| | 2 | 159 | 7 | 0 | 159 | | | |
| | 3 | 26 | 0 | 0 | 26 | | | |
| | 4 | 1 | 0 | 0 | 1 | | | |
| | | | 5,163 | 426 | 662 | | | 4,500 |
| 218 | 1 | 2,590 | 142 | 428 | 2,162 | 2,500 | 0.0% | |
| | 2 | 308 | 51 | 0 | 308 | | | |
| | 3 | 27 | 25 | 0 | 27 | | | |
| | 4 | 3 | 1 | 0 | 3 | | | |
| | | | 2,928 | 219 | 428 | | | 2,500 |
| 219 | 1 | 1,350 | 63 | 0 | 1,350 | 1,500 | 4.3% | |
| | 2 | 86 | 26 | 0 | 86 | | | |
| | 3 | 13 | 11 | 0 | 13 | | | |
| | | | 1,449 | 100 | 0 | | | 1,436 |
| | | | | | | | | |
| 223 | 1 | 1,176 | 97 | 0 | 1,176 | 1,500 | 17.6% | |
| | 2 | 50 | 1 | 0 | 50 | | | |
| | 3 | 8 | 0 | 0 | 8 | | | |
| | 4 | 2 | 0 | 0 | 2 | | | |
| | | | 1,234 | 98 | 0 | | | 1,236 |
| 224 | 1 | 269 | 22 | 0 | 269 | 350 | 20.3% | |
| | 2 | 8 | 1 | 0 | 8 | | | |
| | 3 | 2 | 0 | 0 | 2 | | | |
| | | | 277 | 23 | 0 | | | 279 |
| | | | | | | | | |
| 229 | 1 | 546 | 71 | 0 | 546 | 1,200 | 50.8% | |
| | 2 | 38 | 2 | 0 | 38 | | | |
| | 3 | 6 | 1 | 0 | 6 | | | |
| | | | 584 | 74 | 0 | | | 590 |
| | | | | | | | | |
| 230 | 1 | 694 | 34 | 288 | 406 | 500 | 0.0% | |
| | 2 | 87 | 14 | 0 | 87 | | | |
| | 3 | 5 | 5 | 0 | 5 | | | |
| | 4 | 2 | 1 | 0 | 2 | | | |
| | 5 | 1 | 2 | 0 | 0 | | | |
| | | | 789 | 56 | 288 | | | 500 |
| 232 | 1 | 565 | 26 | 0 | 565 | 700 | 15.9% | |
| | 2 | 23 | 10 | 0 | 23 | | | |
| | 3 | 1 | 0 | 0 | 1 | | | |
| | | | 589 | 36 | 0 | | | 589 |
| | | | | | | | | |
| 233 | 1 | 383 | 18 | 0 | 383 | 750 | 46.1% | |
| | 2 | 19 | 3 | 0 | 19 | | | |
| | 3 | 2 | 0 | 0 | 2 | | | |
| | | | 404 | 21 | 0 | | | 404 |
| 234 | 1 | 59 | 60 | 21 | 38 | 50 | 0.0% | |
| | 2 | 8 | 4 | 0 | 8 | | | |
| | 3 | 4 | 1 | 0 | 4 | | | |
| | | | 71 | 65 | 21 | | | 50 |
| 235 | 1 | 89 | 6 | 74 | 15 | 25 | 0.0% | |
| | 2 | 10 | 0 | 0 | 10 | | | |
| | | | 99 | 6 | 74 | | | 25 |

Table 20. (Continued).

| Permit Area Number | Preference Level | Applications | | Unsuccessful | Winners | Permits Available | % Under-Subscribed |
|--------------------|------------------|--------------|------------|--------------|--------------|-------------------|--------------------|
| | | Total | Rejected | | | | |
| 237 | 1 | 52 | 48 | 13 | 39 | 50 | 0.0% |
| | 2 | 6 | 28 | 0 | 6 | | |
| | 3 | 1 | 5 | 0 | 1 | | |
| | 4 | 1 | 0 | 0 | 1 | | |
| | 5 | 2 | 0 | 0 | 2 | | |
| | 6 | 1 | 1 | 0 | 1 | | |
| | | 63 | 82 | 13 | 50 | | |
| 238 | 1 | 71 | 9 | 71 | 0 | 25 | 0.0% |
| | 2 | 45 | 2 | 22 | 23 | | |
| | 3 | 2 | 0 | 0 | 2 | | |
| | | 118 | 11 | 93 | 25 | | |
| 239 | 1 | 3,802 | 314 | 0 | 3,802 | 7,000 | 42.8% |
| | 2 | 176 | 6 | 0 | 176 | | |
| | 3 | 24 | 1 | 0 | 24 | | |
| | 4 | 1 | 0 | 0 | 1 | | |
| | | 4,003 | 321 | 0 | 4,003 | | |
| 244 | 1 | 3,942 | 322 | 1,088 | 2,854 | 3,000 | 0.0% |
| | 2 | 128 | 1 | 0 | 128 | | |
| | 3 | 14 | 0 | 0 | 14 | | |
| | 4 | 4 | 0 | 0 | 4 | | |
| | | 4,088 | 323 | 1,088 | 3,000 | | |
| 245 | 1 | 4,765 | 338 | 949 | 3,816 | 4,000 | 0.0% |
| | 2 | 156 | 4 | 0 | 156 | | |
| | 3 | 24 | 1 | 0 | 24 | | |
| | 4 | 4 | 0 | 0 | 4 | | |
| | | 4,949 | 343 | 949 | 4,000 | | |
| 246 | 1 | 4,437 | 322 | 1,629 | 2,808 | 4,000 | 0.0% |
| | 2 | 1,179 | 1 | 0 | 1,179 | | |
| | 3 | 10 | 0 | 0 | 10 | | |
| | 4 | 3 | 0 | 0 | 3 | | |
| | | 5,629 | 323 | 1,629 | 4,000 | | |
| 247 | 1 | 1,807 | 79 | 76 | 1,731 | 1,800 | 0.0% |
| | 2 | 65 | 0 | 0 | 65 | | |
| | 3 | 3 | 0 | 0 | 3 | | |
| | 4 | 1 | 0 | 0 | 1 | | |
| | | 1,876 | 79 | 76 | 1,800 | | |
| 249 | 1 | 2,996 | 142 | 0 | 2,996 | 3,500 | 9.0% |
| | 2 | 181 | 55 | 0 | 181 | | |
| | 3 | 5 | 0 | 0 | 5 | | |
| | 4 | 4 | 0 | 0 | 4 | | |
| | | 3,186 | 197 | 0 | 3,186 | | |
| 250 | 1 | 579 | 43 | 579 | 0 | 100 | 0.0% |
| | 2 | 119 | 11 | 30 | 89 | | |
| | 3 | 11 | 6 | 0 | 11 | | |
| | | 709 | 60 | 609 | 100 | | |
| 252 | 1 | 289 | 36 | 289 | 0 | 100 | 0.0% |
| | 2 | 234 | 7 | 197 | 37 | | |
| | 3 | 62 | 5 | 0 | 62 | | |
| | 4 | 1 | 4 | 0 | 1 | | |
| | 5 | 0 | 1 | 0 | 0 | | |
| | | 586 | 53 | 486 | 100 | | |

Table 20. (Continued).

| Permit Area Number | Preference Level | Applications | | Unsuccessful | Winners | Permits Available | % Under-Subscribed |
|--------------------|------------------|--------------|------------|--------------|--------------|-------------------|--------------------|
| | | Total | Rejected | | | | |
| 253 | 1 | 520 | 59 | 511 | 9 | 300 | -0.7% |
| | 2 | 376 | 14 | 132 | 244 | | |
| | 3 | 42 | 6 | 0 | 42 | | |
| | 4 | 5 | 1 | 0 | 5 | | |
| | 5 | 2 | 2 | 0 | 2 | | |
| | | 945 | 82 | 643 | 302 | | |
| 254 | 1 | 1,016 | 49 | 0 | 1,016 | 1,200 | 11.5% |
| | 2 | 44 | 18 | 0 | 44 | | |
| | 3 | 2 | 0 | 0 | 2 | | |
| | | 1,062 | 67 | 0 | 1,062 | | |
| 255 | 1 | 674 | 142 | 0 | 674 | 700 | 0.6% |
| | 2 | 16 | 55 | 0 | 16 | | |
| | 3 | 5 | 0 | 0 | 5 | | |
| | 5 | 1 | 0 | 0 | 1 | | |
| | | 696 | 197 | 0 | 696 | | |
| 262 | 1 | 251 | 16 | 219 | 32 | 150 | 0.0% |
| | 2 | 115 | 6 | 0 | 115 | | |
| | 3 | 3 | 2 | 0 | 3 | | |
| | | 369 | 24 | 219 | 150 | | |
| 269 | 1 | 407 | 33 | 367 | 40 | 250 | 0.0% |
| | 2 | 204 | 12 | 0 | 204 | | |
| | 3 | 6 | 3 | 0 | 6 | | |
| | | 617 | 48 | 367 | 250 | | |
| 270 | 1 | 133 | 49 | 133 | 0 | 25 | 0.0% |
| | 2 | 116 | 18 | 112 | 4 | | |
| | 3 | 22 | 0 | 1 | 21 | | |
| | 4 | 0 | 1 | 0 | 0 | | |
| | | 271 | 68 | 246 | 25 | | |
| 271 | 1 | 118 | 16 | 118 | 0 | 50 | 0.0% |
| | 2 | 97 | 3 | 97 | 0 | | |
| | 3 | 96 | 4 | 49 | 47 | | |
| | 4 | 3 | 0 | 0 | 3 | | |
| | | 314 | 23 | 264 | 50 | | |
| 272 | 1 | 161 | 20 | 161 | 0 | 50 | 0.0% |
| | 2 | 125 | 4 | 125 | 0 | | |
| | 3 | 95 | 2 | 48 | 47 | | |
| | 4 | 3 | 0 | 0 | 3 | | |
| | | 384 | 26 | 334 | 50 | | |
| 273 | 1 | 1,265 | 50 | 45 | 1,220 | 1,300 | 0.0% |
| | 2 | 57 | 13 | 0 | 57 | | |
| | 3 | 23 | 11 | 0 | 23 | | |
| | | 1,345 | 74 | 45 | 1,300 | | |
| 274 | 1 | 52 | 23 | 43 | 9 | 25 | 0.0% |
| | 2 | 12 | 19 | 0 | 12 | | |
| | 3 | 3 | 16 | 0 | 3 | | |
| | 4 | 1 | 6 | 0 | 1 | | |
| | | 68 | 64 | 43 | 25 | | |
| 275 | 1 | 110 | 22 | 110 | 0 | 25 | 0.0% |
| | 2 | 22 | 4 | 7 | 15 | | |
| | 3 | 6 | 5 | 1 | 5 | | |
| | 4 | 5 | 1 | 0 | 5 | | |
| | 5 | 0 | 0 | 0 | 0 | | |
| | | 143 | 32 | 118 | 25 | | |

Table 20. (Continued).

| Permit Area Number | Preference Level | Applications | | Unsuccessful | Winners | Permits Available | % Under-Subscribed |
|--------------------|------------------|--------------|--------------|--------------|------------|-------------------|--------------------|
| | | Total | Rejected | | | | |
| 276 | 1 | 639 | 67 | 639 | 0 | 300 | 0.0% |
| | 2 | 630 | 17 | 570 | 60 | | |
| | 3 | 236 | 5 | 0 | 236 | | |
| | 4 | 4 | 1 | 0 | 4 | | |
| | | 1,509 | 90 | 1,209 | 300 | | |
| 277 | 1 | 1,425 | 144 | 1,425 | 0 | 950 | 0.0% |
| | 2 | 1,272 | 33 | 774 | 498 | | |
| | 3 | 440 | 23 | 0 | 440 | | |
| | 4 | 11 | 8 | 0 | 11 | | |
| | 5 | 1 | 1 | 0 | 1 | | |
| | 6 | 0 | 1 | 0 | 0 | | |
| | 3,149 | 210 | 2,199 | 950 | | | |
| 278 | 1 | 514 | 71 | 514 | 0 | 250 | 0.0% |
| | 2 | 499 | 16 | 476 | 23 | | |
| | 3 | 267 | 8 | 48 | 219 | | |
| | 4 | 5 | 3 | 0 | 5 | | |
| | 5 | 1 | 1 | 0 | 1 | | |
| | 6 | 1 | 0 | 0 | 1 | | |
| | 7 | 1 | 0 | 0 | 1 | | |
| | 1,288 | 99 | 1,038 | 250 | | | |
| 279 | 1 | 251 | 42 | 251 | 0 | 150 | 0.0% |
| | 2 | 267 | 40 | 227 | 40 | | |
| | 3 | 108 | 6 | 0 | 108 | | |
| | 4 | 2 | 4 | 0 | 2 | | |
| | 5 | 0 | 1 | 0 | 0 | | |
| | 628 | 93 | 478 | 150 | | | |
| 280 | 1 | 228 | 43 | 228 | 0 | 75 | 0.0% |
| | 2 | 199 | 11 | 197 | 2 | | |
| | 3 | 181 | 3 | 112 | 69 | | |
| | 4 | 4 | 3 | 0 | 4 | | |
| | 5 | 0 | 1 | 0 | 0 | | |
| | 612 | 61 | 537 | 75 | | | |
| 281 | 1 | 359 | 79 | 359 | 0 | 300 | 0.0% |
| | 2 | 305 | 18 | 279 | 26 | | |
| | 3 | 370 | 13 | 118 | 252 | | |
| | 4 | 16 | 2 | 0 | 16 | | |
| | 5 | 4 | 1 | 0 | 4 | | |
| | 6 | 2 | 0 | 0 | 2 | | |
| | 1,056 | 113 | 756 | 300 | | | |
| 282 | 1 | 30 | 22 | 21 | 9 | 25 | 0.0% |
| | 2 | 11 | 26 | 0 | 11 | | |
| | 3 | 5 | 15 | 0 | 5 | | |
| | 46 | 63 | 21 | 25 | | | |
| 283 | 1 | 87 | 35 | 75 | 12 | 25 | 0.0% |
| | 2 | 7 | 24 | 0 | 7 | | |
| | 3 | 3 | 41 | 0 | 3 | | |
| | 4 | 1 | 2 | 0 | 1 | | |
| | 5 | 2 | 0 | 0 | 2 | | |
| | 100 | 102 | 75 | 25 | | | |
| 284 | 1 | 91 | 37 | 80 | 11 | 25 | 0.0% |
| | 2 | 10 | 38 | 0 | 10 | | |
| | 3 | 4 | 29 | 0 | 4 | | |
| | 4 | 0 | 25 | 0 | 0 | | |
| | 5 | 0 | 10 | 0 | 0 | | |
| | 6 | 0 | 1 | 0 | 0 | | |
| | 105 | 140 | 80 | 25 | | | |

Table 20. (Continued).

| Permit Area Number | Preference Level | Applications | | Unsuccessful | Winners | Permits Available | % Under-Subscribed |
|--------------------|------------------|--------------|------------|--------------|------------|-------------------|--------------------|
| | | Total | Rejected | | | | |
| 285 | 1 | 687 | 56 | 673 | 14 | 500 | 0.0% |
| | 2 | 480 | 15 | 24 | 456 | | |
| | 3 | 15 | 6 | 0 | 15 | | |
| | 4 | 10 | 4 | 0 | 10 | | |
| | 5 | 5 | 1 | 0 | 5 | | |
| | | 1,197 | 82 | 697 | 500 | | |
| 286 | 1 | 80 | 44 | 45 | 35 | 50 | 0.0% |
| | 2 | 9 | 27 | 0 | 9 | | |
| | 3 | 5 | 1 | 0 | 5 | | |
| | 4 | 0 | 0 | 0 | 0 | | |
| | 5 | 1 | 0 | 0 | 1 | | |
| | | 95 | 72 | 45 | 50 | | |
| 288 | 1 | 94 | 43 | 82 | 12 | 50 | 0.0% |
| | 2 | 26 | 49 | 0 | 26 | | |
| | 3 | 5 | 48 | 0 | 5 | | |
| | 4 | 2 | 2 | 0 | 2 | | |
| | 5 | 4 | 0 | 0 | 4 | | |
| | 6 | 1 | 0 | 0 | 1 | | |
| | | 132 | 142 | 82 | 50 | | |
| 289 | 1 | 61 | 31 | 46 | 15 | 25 | 0.0% |
| | 2 | 7 | 31 | 0 | 7 | | |
| | 3 | 2 | 15 | 0 | 2 | | |
| | 4 | 0 | 8 | 0 | 0 | | |
| | 5 | 1 | 1 | 0 | 1 | | |
| | | 71 | 86 | 46 | 25 | | |
| 290 | 1 | 490 | 5 | 490 | 0 | 300 | 0.0% |
| | 2 | 482 | 2 | 472 | 10 | | |
| | 3 | 359 | 0 | 84 | 275 | | |
| | 4 | 8 | 0 | 0 | 8 | | |
| | 5 | 3 | 0 | 0 | 3 | | |
| | 6 | 4 | 0 | 0 | 4 | | |
| | | 1,346 | 7 | 1,046 | 300 | | |
| 291 | 1 | 1,012 | 89 | 1,012 | 0 | 650 | 0.0% |
| | 2 | 832 | 25 | 428 | 404 | | |
| | 3 | 224 | 11 | 0 | 224 | | |
| | 4 | 16 | 6 | 0 | 16 | | |
| | 5 | 4 | 0 | 0 | 4 | | |
| | 6 | 2 | 2 | 0 | 2 | | |
| | | 2,090 | 133 | 1,440 | 650 | | |
| 294 | 1 | 59 | 52 | 22 | 37 | 50 | 0.0% |
| | 2 | 10 | 30 | 0 | 10 | | |
| | 3 | 3 | 12 | 0 | 3 | | |
| | | 72 | 94 | 22 | 50 | | |
| 295 | 1 | 476 | 66 | 476 | 0 | 100 | 0.0% |
| | 2 | 468 | 14 | 466 | 2 | | |
| | 3 | 107 | 10 | 13 | 94 | | |
| | 4 | 3 | 3 | 0 | 3 | | |
| | 5 | 2 | 3 | 0 | 0 | | |
| | 6 | 1 | 0 | 0 | 1 | | |
| | | 1,057 | 96 | 955 | 100 | | |

Table 20. (Continued).

| Permit Area Number | Preference Level | Applications | | Unsuccessful | Winners | Permits Available | % Under-Subscribed |
|--------------------|------------------|---------------|--------------|---------------|---------------|-------------------|--------------------|
| | | Total | Rejected | | | | |
| 296 | 1 | 301 | 55 | 301 | 0 | 100 | 0.0% |
| | 2 | 308 | 18 | 308 | 0 | | |
| | 3 | 171 | 2 | 84 | 87 | | |
| | 4 | 7 | 2 | 0 | 7 | | |
| | 5 | 3 | 0 | 0 | 3 | | |
| | 6 | 2 | 2 | 0 | 2 | | |
| | 7 | 1 | 0 | 0 | 1 | | |
| | | 793 | 79 | 693 | 100 | | |
| 297 | 1 | 283 | 23 | 153 | 130 | 150 | 0.0% |
| | 2 | 18 | 0 | 0 | 18 | | |
| | 3 | 2 | 0 | 0 | 2 | | |
| | | 303 | 23 | 153 | 150 | | |
| 299 | 1 | 360 | 32 | 359 | 1 | 250 | 0.0% |
| | 2 | 345 | 6 | 148 | 197 | | |
| | 3 | 48 | 0 | 0 | 48 | | |
| | 4 | 3 | 1 | 0 | 3 | | |
| | 5 | 0 | 1 | 0 | 0 | | |
| | 6 | 1 | 0 | 0 | 1 | | |
| | | 757 | 40 | 507 | 250 | | |
| 344A | 1 | 278 | 15 | 77 | 201 | 300 | 0.0% |
| | 2 | 94 | 4 | 0 | 94 | | |
| | 3 | 3 | 1 | 0 | 3 | | |
| | 4 | 1 | 1 | 0 | 1 | | |
| | 5 | 1 | 1 | 0 | 1 | | |
| | | 377 | 22 | 77 | 300 | | |
| 344A | 1 | 289 | 23 | 289 | 0 | 200 | 0.0% |
| | 2 | 191 | 9 | 60 | 131 | | |
| | 3 | 68 | 0 | 0 | 68 | | |
| | 4 | 0 | 1 | 0 | 0 | | |
| | 5 | 1 | 1 | 0 | 1 | | |
| | | 549 | 34 | 349 | 200 | | |
| 344B | 1 | 375 | 27 | 0 | 375 | 750 | 8.9% |
| | 2 | 292 | 7 | 0 | 292 | | |
| | 3 | 14 | 9 | 0 | 14 | | |
| | 4 | 1 | 1 | 0 | 1 | | |
| | 5 | 1 | 0 | 0 | 1 | | |
| | | 683 | 44 | 0 | 683 | | |
| TOTAL | | 90,882 | 7,377 | 33,230 | 57,631 | 60,800 | |

Table 21. 2009 Special Permit Areas for Firearms Hunters.

| Special Hunt | Preference Level | Applications | | Unsuccessful | Winners | Permits Available | Bonus Permits |
|--|------------------|--------------|----------|--------------|---------|-------------------|---------------|
| | | Total | Rejected | | | | |
| 901 - Rice Lake Nat. Wildlife Refuge | 1 | 79 | 0 | 55 | 24 | 40 | No |
| | 2 | 16 | 0 | 0 | 16 | | |
| | | 79 | 0 | 55 | 24 | | |
| 902 - St. Croix State Park | 1 | 669 | 1 | 277 | 392 | 550 | Yes |
| | 2 | 153 | 0 | 0 | 153 | | |
| | 3 | 5 | 0 | 0 | 5 | | |
| | | 827 | 1 | 277 | 550 | | |
| 903 - Savanna Portage State Park | 1 | 53 | 0 | 33 | 20 | 40 | Yes |
| | 2 | 21 | 0 | 0 | 21 | | |
| | 3 | 1 | 0 | 0 | 1 | | |
| | | 75 | 0 | 33 | 42 | | |
| 904 - Gooseberry Falls State Park | 1 | 39 | 0 | 0 | 39 | 40 | Yes |
| | | 39 | 0 | 0 | 39 | | |
| 905 - Split Rock Lighthouse State Park | 1 | 21 | 0 | 0 | 21 | 30 | Yes |
| | | 21 | 0 | 0 | 21 | | |
| 906 - Tettegouche State Park | 1 | 76 | 0 | 0 | 76 | 125 | Yes |
| | 2 | 3 | 0 | 0 | 3 | | |
| | | 79 | 0 | 0 | 79 | | |
| 907 - Scenic State Park | 1 | 27 | 0 | 0 | 27 | 30 | Yes |
| | 2 | 2 | 0 | 0 | 2 | | |
| | | 29 | 0 | 0 | 29 | | |
| 908 - Hayes Lake State Park | 1 | 9 | 0 | 0 | 9 | 30 | Yes |
| | | 9 | 0 | 0 | 9 | | |
| 909 - Lake Bemidji State Park | 1 | 33 | 0 | 0 | 33 | 35 | Yes |
| | 2 | 2 | 0 | 0 | 2 | | |
| | | 35 | 0 | 0 | 35 | | |
| 910 - Zippel Bay State Park | 1 | 52 | 0 | 2 | 50 | 55 | Yes |
| | 2 | 5 | 0 | 0 | 5 | | |
| | | 57 | 0 | 2 | 55 | | |
| 911 - Judge CR Magney SP | | | | | | N/A | Yes |
| 912 - Wild River State Park | 1 | 259 | 0 | 208 | 51 | 150 | Yes |
| | 2 | 95 | 0 | 0 | 95 | | |
| | 3 | 5 | 0 | 0 | 5 | | |
| | | 359 | 0 | 208 | 151 | | |
| 913 - Lake Carlos State Park | 1 | 24 | 0 | 9 | 15 | 20 | Yes |
| | 2 | 5 | 0 | 0 | 5 | | |
| | | 29 | 0 | 9 | 20 | | |
| 914 - William O'Brien State Park | 1 | 120 | 0 | 69 | 51 | 70 | Yes |
| | 2 | 19 | 0 | 0 | 19 | | |
| | | 139 | 0 | 69 | 70 | | |
| 915 - Lake Bronson State Park | 1 | 49 | 0 | 20 | 29 | 30 | Yes |
| | 2 | 2 | 0 | 0 | 2 | | |
| | | 51 | 0 | 20 | 31 | | |
| 916 - Maplewood State Park | 1 | 219 | 0 | 219 | 0 | 100 | Yes |
| | 2 | 150 | 0 | 150 | 0 | | |
| | 3 | 113 | 0 | 22 | 91 | | |
| | 4 | 9 | 0 | 0 | 9 | | |
| | | 491 | 0 | 391 | 100 | | |
| 917 - Rydell NWR | 1 | 5 | 0 | 0 | 5 | 10 | Yes |
| | | 5 | 0 | 0 | 5 | | |
| 918 - Lake Alexander SNA | 1 | 56 | 0 | 20 | 36 | 40 | Yes |
| | 2 | 4 | 0 | 0 | 4 | | |
| | | 60 | 0 | 20 | 40 | | |

Table 21. Continued.

| Special Hunt | Preference Level | Applications | | Unsuccessful | Winners | Permits Available | Bonus Permits |
|--------------------------------------|------------------|--------------|----------|--------------|---------|-------------------|---------------|
| | | Total | Rejected | | | | |
| 919 - Buffalo River State Park | 1 | 14 | 0 | 1 | 13 | 16 | Yes |
| | 2 | 3 | 0 | 0 | 3 | | |
| | | 17 | 0 | 1 | 16 | | |
| 920 - Glacial Lakes State Park | 1 | 21 | 0 | 0 | 21 | 30 | Yes |
| | 2 | 5 | 0 | 0 | 5 | | |
| | | 26 | 0 | 0 | 26 | | |
| 921 - Lake Louise State Park | 1 | 35 | 0 | 35 | 0 | 25 | Yes |
| | 2 | 25 | 0 | 0 | 25 | | |
| | | 60 | 0 | 35 | 25 | | |
| 922 - Beaver Creek Valley State Park | 1 | 35 | 0 | 32 | 3 | 20 | Yes |
| | 2 | 18 | 0 | 0 | 18 | | |
| | | 53 | 0 | 32 | 21 | | |
| 923 - Zumbro Falls SNA | 1 | 10 | 0 | 0 | 10 | 12 | Yes |
| | | 10 | 0 | 0 | 10 | | |
| 924 - Forestville/Mystery Cave SP | 1 | 134 | 0 | 55 | 79 | 110 | Yes |
| | 2 | 31 | 0 | 0 | 31 | | |
| | | 165 | 0 | 55 | 110 | | |
| 925 - Frontenac State Park | 1 | 55 | 0 | 41 | 14 | 50 | Yes |
| | 2 | 34 | 0 | 0 | 34 | | |
| | 3 | 3 | 0 | 0 | 3 | | |
| | | 92 | 0 | 41 | 51 | | |
| 926 - Great River Bluffs SP | 1 | 18 | 0 | 0 | 18 | 100 | Yes |
| | 2 | 4 | 0 | 0 | 4 | | |
| | | 22 | 0 | 0 | 22 | | |
| 927 - Whitewater State Park | 1 | 84 | 0 | 84 | 0 | 50 | Yes |
| | 2 | 53 | 0 | 5 | 48 | | |
| | 3 | 2 | 0 | 0 | 2 | | |
| | | 139 | 0 | 89 | 50 | | |
| 928 - Zumbro Falls SNA | 1 | 9 | 0 | 0 | 9 | 12 | Yes |
| | 2 | 2 | 0 | 0 | 2 | | |
| | | 11 | 0 | 0 | 11 | | |
| 929 - Whitewater Refuge | 1 | 40 | 0 | 0 | 40 | 60 | No |
| | 2 | 6 | 0 | 0 | 6 | | |
| | | 46 | 0 | 0 | 46 | | |
| 930 - Vermillion Highlands WMA | 1 | 60 | 0 | 44 | 16 | 25 | Yes |
| | 2 | 7 | 0 | 0 | 7 | | |
| | 3 | 1 | 0 | 0 | 1 | | |
| | 9 | 1 | 0 | 0 | 1 | | |
| | 69 | 0 | 44 | 25 | | | |
| 931 - Carver Park Reserve | 1 | 171 | 0 | 149 | 22 | 105 | Yes |
| | 2 | 70 | 0 | 0 | 70 | | |
| | 3 | 2 | 0 | 0 | 2 | | |
| | | 243 | 0 | 149 | 94 | | |
| 932 - Lake Rebecca Park Reserve | 1 | 131 | 0 | 75 | 56 | 80 | Yes |
| | 2 | 21 | 0 | 0 | 21 | | |
| | 3 | 2 | 0 | 0 | 2 | | |
| | | 154 | 0 | 75 | 79 | | |
| | | 3,491 | 1 | 1,605 | 1,886 | 2,090 | |

Table 22. 2009 Special Permit Areas for Muzzleloader Hunters.

| Permit Area Number | Preference Level | Applications | | Unsuccessful | Winners | Permits Available | Bonus Permits |
|--------------------------------|------------------|--------------|------------|--------------|------------|-------------------|---------------|
| | | Total | Rejected | | | | |
| 935 - Jay Cooke SP | 1 | 160 | 0 | 160 | 0 | 120 | Yes (4) |
| | 2 | 129 | 0 | 20 | 109 | | |
| | 3 | 9 | 0 | 0 | 9 | | |
| | 4 | 2 | 0 | 0 | 2 | | |
| | | | 300 | 0 | 180 | | |
| 936 - Crow Wing SP | 1 | 83 | 0 | 83 | 0 | 45 | Yes (4) |
| | 2 | 55 | 0 | 49 | 6 | | |
| | 3 | 39 | 0 | 0 | 39 | | |
| | | | 177 | 0 | 132 | | |
| 937 - Soudan Mine SP | 1 | 9 | 0 | 0 | 9 | 20 | Yes (1) |
| | 2 | 2 | 0 | 0 | 2 | | |
| | | | 11 | 0 | 0 | | |
| 938 - City of Tower | 1 | 9 | 0 | 0 | 9 | 40 | No |
| | 2 | 2 | 0 | 0 | 2 | | |
| | | | 11 | 0 | 0 | | |
| 939 - Lake Shetek SP | 1 | 27 | 0 | 27 | 0 | 15 | Yes (4) |
| | 2 | 24 | 0 | 22 | 2 | | |
| | 3 | 13 | 0 | 0 | 13 | | |
| | | | 64 | 0 | 49 | | |
| 940 - Lake Maria SP | 1 | 86 | 0 | 86 | 0 | 25 | Yes (4) |
| | 2 | 24 | 0 | 2 | 22 | | |
| | 3 | 4 | 0 | 0 | 4 | | |
| | 4 | 1 | 0 | 0 | 1 | | |
| | | | 115 | 0 | 88 | | |
| 941 - Nerstrand Woods SP | 1 | 102 | 0 | 102 | 0 | 50 | Yes (1) |
| | 2 | 72 | 0 | 50 | 22 | | |
| | 3 | 28 | 0 | 0 | 28 | | |
| | 4 | 1 | 0 | 0 | 1 | | |
| | | | 203 | 0 | 152 | | |
| 942 - Myre-Big Island SP | 1 | 54 | 0 | 30 | 24 | 40 | Yes (1) |
| | 2 | 16 | 0 | 0 | 16 | | |
| | 3 | 1 | 0 | 0 | 1 | | |
| | | | 71 | 0 | 30 | | |
| 943 - Sibley SP | 1 | 53 | 0 | 53 | 0 | 50 | Yes (1) |
| | 2 | 47 | 0 | 0 | 47 | | |
| | 3 | 2 | 0 | 0 | 2 | | |
| | 4 | 1 | 0 | 0 | 1 | | |
| | | | 103 | 0 | 53 | | |
| 944 - Vermillion Highlands WMA | 1 | 29 | 0 | 13 | 16 | 25 | Yes (1) |
| | 2 | 9 | 0 | 0 | 9 | | |
| | 3 | 1 | 0 | 0 | 1 | | |
| | | | 39 | 0 | 13 | | |
| TOTAL | | 1,094 | 0 | 697 | 397 | 430 | |

| | | | | | | |
|--------------------|--|---------------|--------------|---------------|---------------|---------------|
| GRAND TOTAL | | 95,467 | 7,378 | 35,532 | 59,914 | 63,320 |
|--------------------|--|---------------|--------------|---------------|---------------|---------------|

2010 WINTER ELK SURVEY REPORT

Joel Huener, Thief Lake WMA

INTRODUCTION

Minnesota has two populations of elk. The first herd lives in the area north of Grygla on a combination of public and private lands, and can trace its origins back to re-introduction efforts in the area in 1935 (Figure 1). The second herd lives along the Manitoba/Kittson County border, and is comprised primarily of animals that have moved in from Canada.

The Minnesota Legislature provided for the opportunity for sport hunting of elk in 1987 to help alleviate depredation concerns in the Grygla herd range, and to provide for the unique recreational opportunity this affords. Hunting this population is permitted whenever the pre-calving population exceeds 20 animals. The winter aerial survey is the basis for population estimates used to set hunting permit quotas.

The Kittson County herd is comprised of three sub-populations – the Caribou-Vita herd which moves back and forth between Caribou WMA in Minnesota, and Vita, Manitoba; the Water Tower herd, which lives largely within Minnesota along the Manitoba border, and the Lancaster herd, which lives east of Lancaster, Minnesota. Elk of the Lancaster herd are year-round residents of Minnesota in an area comprised almost entirely of private land, and have been responsible for most of the depredation claims in that area. There is evidence that escaped captive elk may have been the nucleus for this herd. The recently revised elk plan calls for the elimination of this particular sub-herd of elk to eliminate captive genetics from Minnesota's elk herd.

METHODS

Population estimates for these two herds are based on helicopter surveys done between December and March, when snow conditions and the lack of leaf cover permits good visibility of elk. Surveys are undertaken with DNR – Wildlife personnel from the Thief River Falls office with DNR aircraft and pilots. Areas are covered using transects at 1/5 mile intervals in the Grygla herd range, and 1/3 mile intervals in the Kittson County herd range. Transects are programmed into GPS based systems on the aircraft.

Further information on herd composition is derived from ground surveys driven during early morning hours in the respective elk ranges. Because the Caribou-Vita herd winters on both sides of the border, coordination between the Province of Manitoba and Minnesota DNR is necessary, and has not been possible in all years.

When the pre-calving population in the Grygla herd is above 30, a recommendation for hunting seasons and permit numbers is forwarded to the Region and St. Paul based on herd composition. Elk hunting in Minnesota is a once-in-a-lifetime opportunity, and hunters may apply for permits singly or in parties of two (receiving one permit between them). Successful applicants must attend a mandatory orientation at Thief Lake WMA, and animals taken must be registered either at Thief Lake headquarters or at the Karlstad Wildlife office, where biological samples are taken.

RESULTS

The pre-calving population for the Grygla elk herd in 2010 was 40 animals (see Figure 2). A breakdown of the sightings in the elk survey in the Grygla range showed 11 bulls, 24 cows, and 5 calves. Survey conditions were optimal during the survey, with 16" of snow, partly cloudy skies, and cold temperatures from +5 to -10 F. One group of 5 bull elk was sighted during the aerial bovine Tuberculosis deer survey in the area north of the survey area. Some additional areas may need to be added to the survey area to cover all the areas used by the elk. Additional contact with landowners/observers is intended for next year's survey to ensure that all the elk are sighted.

The notable reduction in total herd numbers was intended to move the population toward the goal stated in the elk plan. A total of 14 elk tags were available in the Grygla zone during the 2009 hunting seasons, and 14 elk were taken by the end of the alternate season in January.

An effort was made this year to coordinate the aerial survey in Kittson County with a concurrent survey in the neighboring portions of the Province of Manitoba. By the time that arrangements were made, an early thaw resulted in rapidly deteriorating snow conditions, with the result that the aerial survey was not done in the Kittson County elk range this winter.

Concurrent seasons were held in the range of the Water Tower herd and Lancaster herd in Kittson County this year, again in an effort to move populations toward goal levels. During those hunts, a total of 9 animals were removed from the Lancaster herd, and 5 were removed from the Water Tower herd.

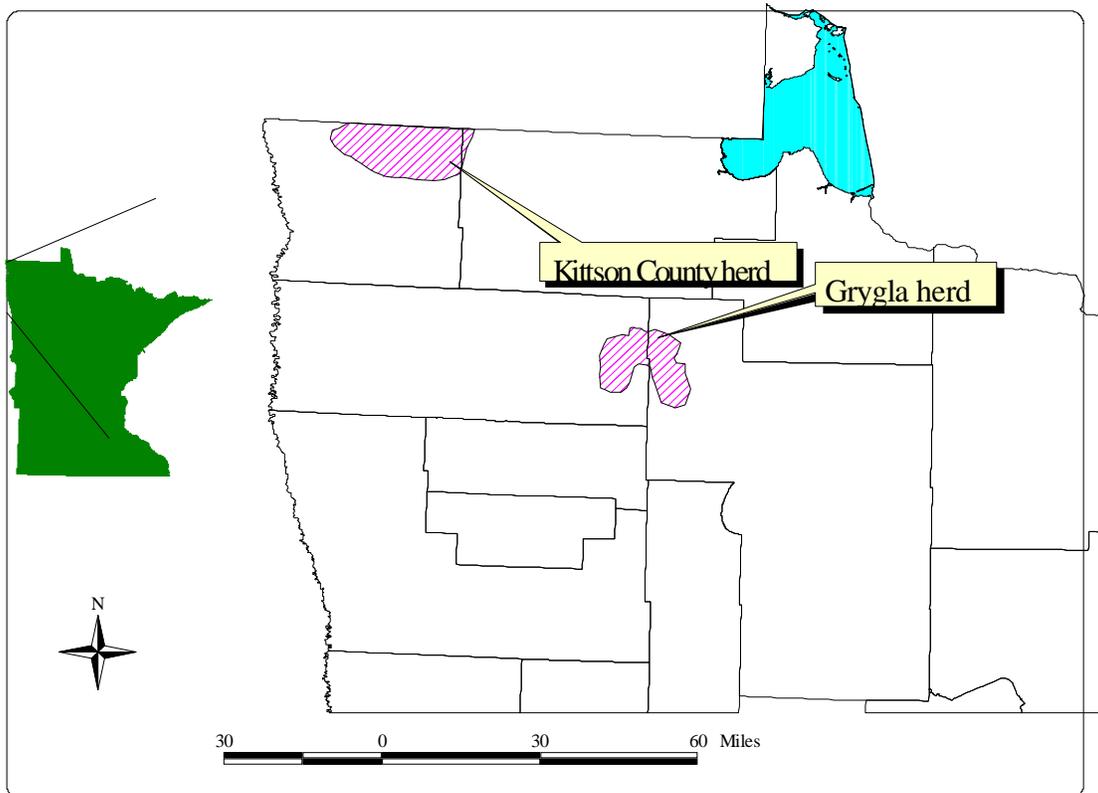


Figure 1. Current elk range in Minnesota, 2010.

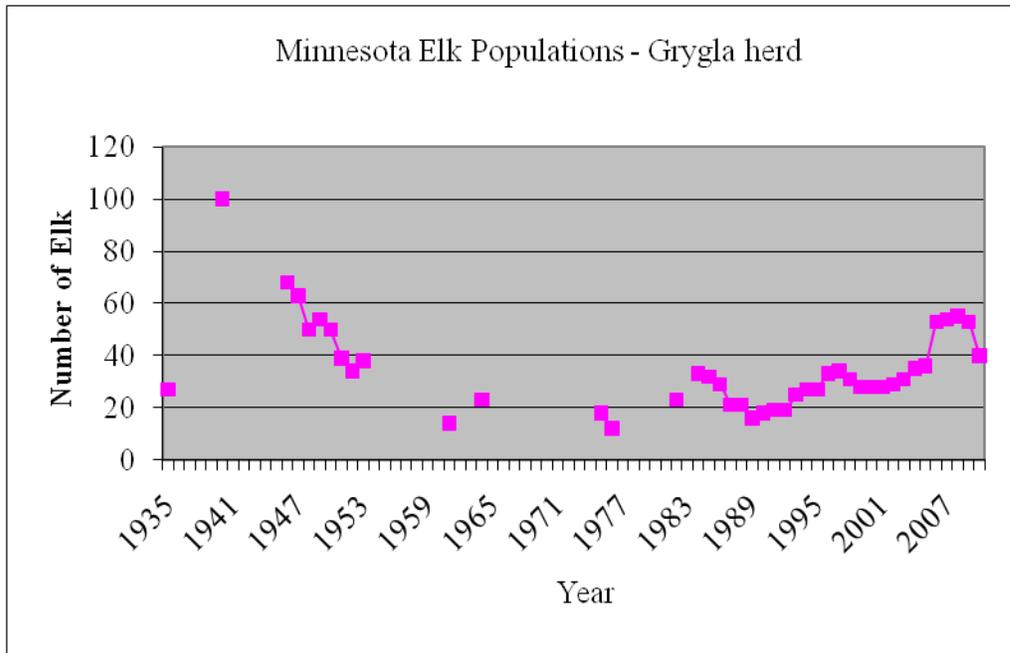


Figure 2. Pre-calving elk numbers in the Grygla herd, 2010.

2009 MINNESOTA MOOSE HARVEST

Mark S. Lenarz, Forest Wildlife Populations and Research Group

INTRODUCTION

Each year, a limited number of permits are issued that allow Minnesota residents to hunt moose. The following report is intended to document the number of hunters applying for permits, the number of permits issued, a hunting party's chance of receiving a permit, hunter success rate, and a breakdown of the harvest by hunting zone. Information on permit numbers and moose harvested by members of the 1854 Treaty Authority or Fond du Lac band of Lake Superior Chippewa within the 1854 Ceded Territory is also provided.

METHODS

All successful State hunters are required to register their moose at one of 9 registration stations and provide information on the location where they killed their moose, date of kill, and sex of moose harvested.

RESULTS

In 2009, State hunters harvested 103 moose in northeastern Minnesota. No season was held in northwestern Minnesota. Of the 2,746 parties that applied for this year's moose hunt, 225 (8%) were drawn, and 223 purchased licenses (Table 1). Hunters were restricted to harvesting bulls in this year's hunt. Table 1 also lists the number of permits offered by hunting zone, chance of being selected for a permit, and hunter success. The 1854 Treaty Authority issued 55 permits and band members killed 16 moose (14 bulls and 2 cows). The Fond du Lac band issued 68 permits and the preliminary harvest (as of 11/6/2009) was 26 moose (20 bulls and 6 cows). The Fond du Lac season closes 12/31/2009.

DISCUSSION

The success rate of State hunters in 2009 was 46%, an increase of 1% over 2008 (Tables 1 and 2). This was the third year of hunting was for bulls only. The success rate for members of the 1854 Treaty Authority was 29%. The preliminary success rate for the Fond du Lac band was 38%, as of 11/6/2009.

Table 1. Moose harvested, licenses offered and sold, application rate, and party success, in 2009 moose hunt in northeastern Minnesota.

| Zone | Bulls | Cows | Total | Licenses Offered | Licenses Sold* | Party Applications* | Chances for Permit | % Success |
|-------|-------|------|-------|------------------|----------------|---------------------|--------------------|-----------|
| 20 | 3 | 0 | 3 | 12 | 12 | 92 | 13% | 25% |
| 21 | 5 | 0 | 5 | 6 | 6 | 111 | 5% | 83% |
| 22 | 2 | 0 | 2 | 5 | 5 | 37 | 14% | 40% |
| 23 | 1 | 0 | 1 | 2 | 2 | 22 | 9% | 50% |
| 24 | 5 | 0 | 5 | 9 | 9 | 169 | 5% | 56% |
| 25 | 4 | 0 | 4 | 14 | 14 | 309 | 5% | 29% |
| 26 | 3 | 0 | 3 | 4 | 4 | 25 | 16% | 75% |
| 27 | 3 | 0 | 3 | 5 | 4 | 34 | 15% | 75% |
| 28 | 4 | 0 | 4 | 9 | 9 | 51 | 18% | 44% |
| 29 | 3 | 0 | 3 | 8 | 8 | 120 | 7% | 38% |
| 30 | 3 | 0 | 3 | 7 | 7 | 133 | 5% | 43% |
| 31 | 9 | 0 | 9 | 18 | 18 | 354 | 5% | 50% |
| 32 | 1 | 0 | 1 | 4 | 4 | 20 | 20% | 25% |
| 33 | 2 | 0 | 2 | 7 | 7 | 109 | 6% | 29% |
| 34 | 1 | 0 | 1 | 2 | 2 | 33 | 6% | 50% |
| 36 | 2 | 0 | 2 | 10 | 10 | 36 | 28% | 20% |
| 37 | 1 | 0 | 1 | 3 | 3 | 22 | 14% | 33% |
| 60 | 2 | 0 | 2 | 4 | 4 | 28 | 14% | 50% |
| 61 | 4 | 0 | 4 | 10 | 10 | 79 | 13% | 40% |
| 62 | 10 | 0 | 10 | 19 | 19 | 177 | 11% | 53% |
| 63 | 2 | 0 | 2 | 4 | 4 | 25 | 16% | 50% |
| 64 | 3 | 0 | 3 | 8 | 7 | 39 | 21% | 43% |
| 70 | 4 | 0 | 4 | 7 | 7 | 119 | 6% | 57% |
| 72 | 6 | 0 | 6 | 12 | 12 | 176 | 7% | 50% |
| 73 | 1 | 0 | 1 | 6 | 6 | 85 | 7% | 17% |
| 74 | 4 | 0 | 4 | 4 | 4 | 34 | 12% | 100% |
| 76 | 5 | 0 | 5 | 6 | 6 | 65 | 9% | 83% |
| 77 | 5 | 0 | 5 | 10 | 10 | 107 | 9% | 50% |
| 79 | 2 | 0 | 2 | 5 | 5 | 45 | 11% | 40% |
| 80 | 3 | 0 | 3 | 5 | 5 | 90 | 6% | 60% |
| Total | 103 | 0 | 103 | 225 | 223 | 2746 | 8% | 46% |

*Number of 2, 3, or 4 person parties - rejected applications

Table 2. Applicants, permit numbers, moose harvested, and success rates of state moose hunters since 1993.

| Year | Northwest | | | | Northeast | | | | |
|------|------------------|-----------|-----------------|---------------|------------------|---------|--------------------|-----------------|---------------|
| | Party Applicants | Permits | Moose Harvested | Party Success | Party Applicants | Permits | Licenses Purchased | Moose Harvested | Party Success |
| 1993 | 6,558 | 446 | 422 | 95% | 2,934 | 315 | 315 | 264 | 84% |
| 1994 | 8,208 | 262 | 244 | 93% | 3,022 | 189 | 189 | 155 | 82% |
| 1995 | 7,622 | 191 | 171 | 90% | 3,181 | 188 | 188 | 156 | 83% |
| 1996 | 2,476 | 39 | 38 | 97% | 3,830 | 207 | 207 | 156 | 75% |
| 1997 | | No Season | | | 3,958 | 198 | 198 | 152 | 77% |
| 1998 | | No Season | | | 4,157 | 182 | 182 | 125 | 69% |
| 1999 | | No Season | | | 3,919 | 189 | 189 | 136 | 72% |
| 2000 | | No Season | | | | | No Season | | |
| 2001 | | No Season | | | 3,164 | 182 | 176 | 125 | 71% |
| 2002 | | No Season | | | 2,580 | 208 | 202 | 141 | 70% |
| 2003 | | No Season | | | 2,328 | 224 | 217 | 144 | 66% |
| 2004 | | No Season | | | 3,062 | 246 | 240 | 151 | 63% |
| 2005 | | No Season | | | 3,060 | 284 | 276 | 164 | 59% |
| 2006 | | No Season | | | 2,952 | 279 | 269 | 161 | 60% |
| 2007 | | No Season | | | 2,566 | 233 | 229 | 115 | 50% |
| 2008 | | No Season | | | 2,706 | 247 | 245 | 110 | 45% |
| 2009 | | No Season | | | 2,746 | 225 | 223 | 103 | 46% |

Note: Harvest was restricted to antlered bulls beginning in 2007.

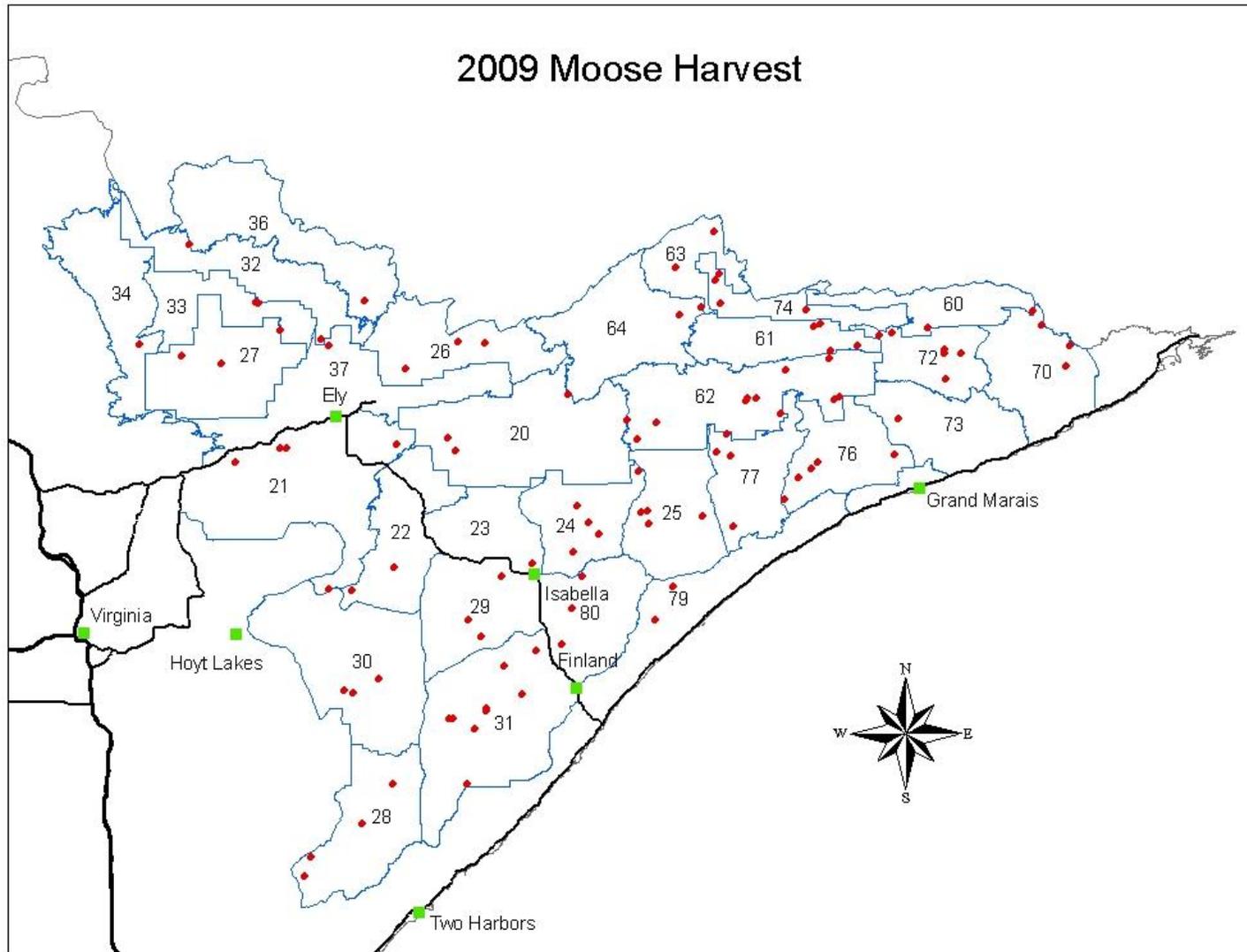


Figure 1. Moose harvest and hunting zones in northeastern Minnesota, 2009

