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Virginia Survey of Hunter Harvest, Effort, and Attitudes 2008-2009



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Introduction

The Virginia Department of Game and Inland Fisheries is the primary agency responsible for managing the state's fish and wildlife resources. Agency staff depend upon accurate population indices to monitor the health of wildlife species. Biologists and managers are also charged with making decisions that affect hunters across the Commonwealth. Surveying a sample of the statewide hunter population provides them with the opportunity to ask hunters questions about their preferences for season lengths and bag limits. Additionally, an annual survey of hunters gives DGIF staff an indication of hunter preferences, behavior, and potential constraints.

The Virginia Department of Game and Inland Fisheries has conducted 21 surveys since the program's inception during the 1965-1966 hunting season. These surveys provide valuable information to biologists and managers throughout Virginia. First, game harvest indices are used for monitoring changes in harvest and hunter effort across seasons. These data, in turn, are used to regulate harvests, evaluate habitat conditions, and monitor various aspects of the socio-economic environment (Steffen 1981). Socio-psychological questions about hunter behavior and their preferences for season lengths and bag limits also provide valuable information for determining regulations that affect hunters across Virginia.

The purpose of this survey was to:

- (a) estimate game harvest and hunter effort indices for major game and furbearing species in Virginia; and,
- (b) collect and analyze other socio-psychological data deemed important to the agency, such as hunters' satisfaction, attitudes, beliefs, preferences, and constraints.

Methods

Generation of the sample

A survey of Virginia resident hunting license buyers was conducted in Spring 2009. A random sample of 5,000 (2.41%) Virginia resident hunters was drawn out of a population of hunters who purchased a general state resident hunting license, a Sportsman's Hunting and Fishing license, a county/city license, or a senior (65+) license for the 2008-2009 season (N=207,550). The sample was drawn from 2008-2009 licenses sold by license vendors and internet licenses sold on the Virginia Department of Game and Inland Fisheries website. Name and address information was obtained from records maintained by Information Management Systems in the the Administrative Services Division of DGIF. A distribution proportionately representative of hunters among the four license categories was maintained (Table 1).

In general, the sampling procedures used in this study replicate and extend the work described by Steffen (1981) as employed in Mississippi, with one exception occurring for this survey. The 2008-2009 license year was the third year that all licenses were sold electronically, thus making it possible to obtain the sample from the current license year, instead of using data from the previous license year which had to be done in the past.

Table 1.
2008-2009 Hunting Population and Survey Sample Statistics

| License Type | Population | Percent |
|-------------------------|-------------------|----------------|
| Sportsman's Licenses | 3,446 | 1.7% |
| State Resident Licenses | 185,969 | 89.6% |
| County/City Licenses | 8,507 | 4.1% |
| Senior (65+) Licenses | 9,628 | 4.6% |
| Total | 207,550 | 100.0% |

Development of the Survey Instrument

The survey instrument was developed to collect harvest data for selected Virginia game and furbearing species (Appendix A). This instrument was designed to allow the replication of data collection on an annual basis. VDGIF staff biologists and administrators were polled to determine general areas of data need. Game harvest data served as the core of the survey instrument. Hunter effort data, preferences for seasons and bag limits, and other social-psychological data were collected as well.

Questions were grouped by topic and efforts were made to create a logical order (Dillman 2000). Questions about hunter sociodemographic characteristics were placed at the end of the survey. As Dillman (2000) noted, questions about respondent income are often seen as objectionable. Placing income and other potentially offensive questions at the end of the survey makes the respondent less likely to “quit” the survey and contributes to these questions seeming “less objectionable in light of previous questions already answered” (Dillman 2000, p.88). To ensure that information was gathered only from active hunters, a screening question was included that restricted responses to those who purchased a hunting license in the 2008-2009 Virginia hunting season.

Administration of the Survey

Procedures outlined by Dillman (1978; 2000) were employed to collect survey data. A questionnaire, self-addressed pre-stamped envelope, and a cover letter explaining the importance of the study were mailed to each of the study participants. Two weeks after the initial mailing, a post card reminder was sent to each hunter to encourage an early response. Non-respondents to the first mailing were identified and, when necessary, one follow-up mailing (consisting of the questionnaire, return envelope and a revised cover letter) was distributed.

The following dates were used for the administration of the 2008-2009 Virginia Hunter Survey:

May 14, 2009—First copy of the survey mailed

May 28, 2009—Reminder postcard mailed

June 15, 2009—Follow up mailing

Response Rate

By the end of the data collection period, 283 surveys were returned as undeliverable (e.g., individual had moved, incorrect address given, forwarding order expired). These individuals were removed from the original sample. Another 30 questionnaires were returned by addressees for reasons that included: did not purchase a license or the hunter is now deceased. These individuals were also removed resulting in a sample size of 4,687. Of these, a total of 1,927 usable questionnaires were received.

The response rate for the total sample was calculated using the following equation:

Response Rate= (Number of people responding ÷ Number of people sampled) (Fowler 1993). When calculating response rates, incorrect addresses, ineligible hunters, and deceased hunters were subtracted from the original sample, while hunters who did not respond to the survey remained in the sample. The effective response rate for this survey was 41.1 percent.

Data Analyses

Data from returned questionnaires were entered into a computer file and analyzed using standard statistical techniques. Estimates of statewide and regional harvests of each species were generated. For each estimate, the level of precision (standard error) is included. Estimates were calculated based on the total licenses sold in 2008-2009. Regional comparisons were made based on the five regions of Virginia depicted in Figure 1. For a detailed account of the statistical formulas used for specific statewide and regional calculations of harvest estimates and standard errors, readers are referred to Steffen (1981).

Notes

Several important points should be considered when interpreting the tables. They are summarized below.

1. When considering statistics given in this report, it is important that they *not* be viewed as absolute numbers, especially when comparing these statistics with those from other studies. Rather, the data provided are only indices of harvest and effort, and should be used in conjunction with data from previous and future mail surveys (in this ongoing research project) to determine trends. Response and non-response biases exist in all survey efforts. Therefore, care must be taken to fully replicate study methods so that biases are held constant (known) and valid trend analyses can be made.
2. Total Harvest and Total Man-Days statistics are derived from a formula utilizing the total number of licenses sold for the 2008-2009 hunting season (n=207,550). Total Harvest statistics include all animals harvested regardless of whether or not a hunter was hunting specifically for that animal (incidental kills).
3. Statistics for (a) Average Daily Kill, (b) Average Seasonal Harvest, (c) Percent Successful Hunters, (d) Average Seasonal Days Hunting, (e) Total Hunters, and (f) Percent of Total Licenses/Hunters Per Region were calculated using data only from those hunters who reported specifically hunting for that game animal.
4. Percentages may not always total 100 percent due to rounding or missing values.
5. Regions were renumbered after the 1993-1994 study. The composition of the regions, however, is consistent among studies. Please refer to the map, Figure 1 (page 4).
6. Missing regional data for each species hunted were treated differently prior to the 1997-1998 study. Beginning with the 1997-1998 survey, respondents who did not provide information regarding the region where they hunted a particular species were eliminated from the regional estimates provided in Tables 4-42. Compared to previous surveys, this change particularly impacted the regional estimates reported for Average Daily Kill, Average Seasonal Harvest, Percent Successful, Average Seasonal Days, and Total Hunters. While the parameter estimates for averages and totals remained approximately the same, the standard errors for these estimates generally increased. Care should be taken when comparing these regional data with regional data from studies conducted 1993-1994 through 1996-1997. The statewide estimators remained unaffected by this change.
7. Parenthetical notations displayed immediately following a table title (e.g. Q24) refer to the specific question number(s) in the survey instrument.

TABLES

Table 2. Expanded Statewide Summary of Game Harvest Based on the 2008-2009 Survey of Virginia Hunters.

| SPECIES | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT TOTAL LICENSES |
|----------------------------------|----------------------|---------------------------|---------------------------------|-----------------------------------|-----------------------|--------------------------------------|----------------------|-------------------------------|
| Dove | 671226 | 4.23 | 14.93 | 78.1 | 156282 | 3.53 | 44267 | 21.3 |
| Quail | 79272 | 1.568 | 7.37 | 45.7 | 47606 | 4.7 | 10124 | 4.9 |
| Woodcock | 4093 | 0.468 | 1.2 | 46.7 | 8293 | 2.57 | 3231 | 1.6 |
| Ruffed Grouse | 11525 | 0.152 | 0.73 | 32.3 | 63870 | 4.78 | 13356 | 6.4 |
| Crow | 127309 | 1.752 | 7.46 | 79.7 | 65593 | 4.26 | 15402 | 7.4 |
| Rabbit | 303085 | 1.006 | 6.92 | 77.3 | 283806 | 6.88 | 41252 | 19.9 |
| Gray Squirrel | 539070 | 1.205 | 8.09 | 80 | 411330 | 6.71 | 61285 | 29.5 |
| Fox Squirrel | 68609 | 0.397 | 2.92 | 62.1 | 154774 | 7.37 | 21003 | 10.1 |
| Total Squirrel | 607679 | 0.987 | 8.92 | 81.4 | 566104 | 9.03 | 62685 | 30.2 |
| Groundhog | 227045 | 0.737 | 7.07 | 82.9 | 252810 | 9.61 | 26388 | 12.7 |
| Archery Deer (Buck and Doe) | 47822 | 0.057 | 0.6 | 35.9 | 769853 | 10.52 | 73240 | 35.3 |
| Archery Deer (Buck) | 21003 | 0.025 | 0.26 | 20.6 | 769853 | 10.52 | 73240 | 35.3 |
| Archery Deer (Doe) | 26819 | 0.032 | 0.34 | 23.7 | 769853 | 10.52 | 73240 | 35.3 |
| Muzzleloader Deer (Buck and Doe) | 72917 | 0.084 | 0.63 | 43.7 | 827506 | 7.46 | 111045 | 53.5 |
| Muzzleloader Deer (Buck) | 41036 | 0.047 | 0.35 | 31.4 | 827506 | 7.46 | 111045 | 53.5 |
| Muzzleloader Deer (Doe) | 31881 | 0.037 | 0.27 | 20.1 | 827506 | 7.46 | 111045 | 53.5 |
| Gun Deer (Buck and Doe) | 187301 | 0.095 | 1.06 | 50.5 | 1866226 | 11.13 | 167699 | 80.8 |
| Gun Deer (Buck) | 78410 | 0.04 | 0.44 | 34.6 | 1866226 | 11.13 | 167699 | 80.8 |
| Gun Deer (Doe) | 108891 | 0.055 | 0.62 | 34.5 | 1866226 | 11.13 | 167699 | 80.8 |
| Total Deer | 308040 | 0.086 | 1.67 | 63.7 | 3463585 | 19.47 | 177931 | 85.7 |
| Total Deer (Buck) | 140449 | 0.039 | 0.76 | 49 | 3463585 | 19.47 | 177931 | 85.7 |
| Total Deer (Doe) | 167591 | 0.046 | 0.91 | 44.5 | 3463585 | 19.47 | 177931 | 85.7 |
| Spring Turkey 2009 | 26280 | 0.062 | 0.36 | 26 | 398836 | 5.84 | 68286 | 32.9 |
| Fall Turkey 2008 | 6893 | 0.028 | 0.11 | 10.5 | 217028 | 4.05 | 53530 | 25.8 |
| Total Turkey | 33174 | 0.051 | 0.37 | 26 | 615865 | 7.21 | 85411 | 41.2 |
| Bear | 2154 | 0.011 | 0.08 | 7.6 | 152620 | 6.75 | 22618 | 10.9 |
| Mallard Duck | 79810 | 0.458 | 4.44 | 59.7 | 160698 | 9.69 | 16587 | 8 |
| Wood Duck | 40713 | 0.251 | 2.43 | 45.5 | 160698 | 9.69 | 16587 | 8 |
| Black Duck | 18525 | 0.109 | 1.05 | 31.2 | 160698 | 9.69 | 16587 | 8 |
| Other Duck | 94458 | 0.572 | 5.55 | 40.9 | 160698 | 9.69 | 16587 | 8 |
| Total Duck (All Species) | 233507 | 1.389 | 13.46 | 77.9 | 160698 | 9.69 | 16587 | 8 |
| Goose (September) | 35220 | 1.329 | 5.27 | 56.5 | 26496 | 3.97 | 6678 | 3.2 |
| Goose (November-March) | 111045 | 0.979 | 7.14 | 69.4 | 113092 | 7.29 | 15510 | 7.5 |
| Total Goose | 146265 | 1.046 | 8.69 | 68.6 | 139587 | 8.31 | 16802 | 8.1 |
| Red Fox | 10986 | 0.089 | 0.62 | 39.8 | 98982 | 6.91 | 14325 | 6.9 |
| Gray Fox | 18956 | 0.152 | 1.14 | 36 | 100382 | 7.46 | 13463 | 6.5 |
| Coyote | 24449 | 0.091 | 0.97 | 40.4 | 221236 | 9.92 | 22403 | 10.8 |
| Raccoon | 88319 | 0.365 | 6.5 | 66.9 | 225879 | 18.06 | 12709 | 6.1 |
| Bobcat | 2908 | 0.039 | 0.28 | 13.9 | 61285 | 7.2 | 8509 | 4.1 |

Table 3. Expanded Statewide Estimates of Total Harvest (With Standard Errors) for Virginia Game Species During 2008-2009.

| SPECIES | TOTAL HARVEST | STANDARD ERROR | | 95% CONFIDENCE INTERVAL | |
|----------------------------------|---------------|----------------|-----------------|-------------------------|-------------|
| | | SE | AS % OF TOTAL * | LOWER LIMIT | UPPER LIMIT |
| Dove | 671226 | 49922 | 7.44 | 573379 | 769073 |
| Quail | 79272 | 24246 | 30.59 | 31750 | 126794 |
| Woodcock | 4093 | 1536 | 37.53 | 1082 | 7104 |
| Ruffed Grouse | 11525 | 2036 | 17.67 | 7534 | 15516 |
| Crow | 127309 | 18406 | 14.46 | 91233 | 163385 |
| Rabbit | 303085 | 29644 | 9.78 | 244983 | 361187 |
| Gray Squirrel | 539070 | 31584 | 5.86 | 477165 | 600975 |
| Fox Squirrel | 68609 | 7542 | 10.99 | 53827 | 83391 |
| Total Squirrel | 607679 | 34393 | 5.66 | 540269 | 675089 |
| Groundhog | 227045 | 22513 | 9.92 | 182920 | 271170 |
| Archery Deer (Buck and Doe) | 47822 | 3450 | 7.21 | 41060 | 54584 |
| Archery Deer (Buck) | 21003 | 1794 | 8.54 | 17487 | 24519 |
| Archery Deer (Doe) | 26819 | 2333 | 8.7 | 22246 | 31392 |
| Muzzleloader Deer (Buck and Doe) | 72917 | 3601 | 4.94 | 65859 | 79975 |
| Muzzleloader Deer (Buck) | 41036 | 2175 | 5.3 | 36773 | 45299 |
| Muzzleloader Deer (Doe) | 31881 | 2486 | 7.8 | 27008 | 36754 |
| Gun Deer (Buck and Doe) | 187301 | 7041 | 3.76 | 173501 | 201101 |
| Gun Deer (Buck) | 78410 | 3102 | 3.96 | 72330 | 84490 |
| Gun Deer (Doe) | 108891 | 5456 | 5.01 | 98197 | 119585 |
| Total Deer | 308040 | 9658 | 3.14 | 289110 | 326970 |
| Total Deer (Buck) | 140449 | 4480 | 3.19 | 131668 | 149230 |
| Total Deer (Doe) | 167591 | 7031 | 4.2 | 153810 | 181372 |
| Spring Turkey 2009 | 26280 | 2098 | 7.98 | 22168 | 30392 |
| Fall Turkey 2008 | 6893 | 913 | 13.25 | 5104 | 8682 |
| Total Turkey | 33174 | 2382 | 7.18 | 28505 | 37843 |
| Bear | 2154 | 479 | 22.24 | 1215 | 3093 |
| Mallard Duck | 79810 | 11021 | 13.81 | 58209 | 101411 |
| Wood Duck | 40713 | 6880 | 16.9 | 27228 | 54198 |
| Black Duck | 18525 | 3532 | 19.07 | 11602 | 25448 |
| Other Duck | 94458 | 17559 | 18.59 | 60042 | 128874 |
| Total Duck (All Species) | 233507 | 32901 | 14.09 | 169021 | 297993 |
| Goose (September) | 35220 | 7507 | 21.31 | 20506 | 49934 |
| Goose (November-March) | 111045 | 17012 | 15.32 | 77701 | 144389 |
| Total Goose | 146265 | 22084 | 15.1 | 102980 | 189550 |
| Red Fox | 10986 | 1563 | 14.23 | 7923 | 14049 |
| Gray Fox | 18956 | 4455 | 23.5 | 10224 | 27688 |
| Coyote | 24449 | 5283 | 21.61 | 14094 | 34804 |
| Raccoon | 88319 | 16931 | 19.17 | 55134 | 121504 |
| Bobcat | 2908 | 879 | 30.23 | 1185 | 4631 |

* % = 100(SE/Total harvest)

Table 4. Expanded Statewide and Regional Summaries of Dove Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 196328 | 3.9 | 14.53 | 73.4 | 50335 | 3.73 | 13510 | 31.9 |
| | (SE) | 31013 | 0.462 | 1.92 | 4 | 6477 | 0.36 | 1173 | 2.4 |
| | N | 1905 | 124 | 124 | 124 | 1905 | 124 | 1905 | 389 |
| 2 | ESTIMATE | 159721 | 4.044 | 13.24 | 80.9 | 39222 | 3.27 | 11985 | 28.3 |
| | (SE) | 21919 | 0.405 | 1.36 | 3.8 | 4987 | 0.29 | 1109 | 2.3 |
| | N | 1905 | 110 | 110 | 110 | 1905 | 110 | 1905 | 389 |
| 3 | ESTIMATE | 28763 | 2.694 | 11 | 75 | 10677 | 4.08 | 2615 | 6.2 |
| | (SE) | 7878 | 0.64 | 2.07 | 9 | 3375 | 1.01 | 531 | 1.2 |
| | N | 1905 | 24 | 24 | 24 | 1905 | 24 | 1905 | 389 |
| 4 | ESTIMATE | 49463 | 3.948 | 16.81 | 74.1 | 12529 | 4.26 | 2942 | 6.9 |
| | (SE) | 14632 | 0.592 | 3.87 | 8.6 | 3181 | 0.73 | 562 | 1.3 |
| | N | 1905 | 27 | 27 | 27 | 1905 | 27 | 1905 | 389 |
| 5 | ESTIMATE | 208857 | 5.126 | 18.43 | 84.6 | 40747 | 3.6 | 11331 | 26.7 |
| | (SE) | 29880 | 0.461 | 1.97 | 3.6 | 5147 | 0.3 | 1081 | 2.2 |
| | N | 1905 | 104 | 104 | 104 | 1905 | 104 | 1905 | 389 |
| STATEWIDE | ESTIMATE | 671226 | 4.23 | 14.93 | 78.1 | 156282 | 3.53 | 44267 | 21.3 |
| | (SE) | 49922 | 0.234 | 0.91 | 2 | 10207 | 0.17 | 1937 | 0.9 |
| | N | 1927 | 411 | 411 | 411 | 1927 | 411 | 1927 | 1927 |

Table 5. Expanded Statewide and Regional Summaries of Quail Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 13635 | 1.071 | 4.29 | 42.9 | 9090 | 4 | 2272 | 24.7 |
| | (SE) | 6978 | 0.618 | 2.6 | 11.1 | 2921 | 0.97 | 493 | 4.7 |
| | N | 1918 | 21 | 21 | 21 | 1918 | 21 | 1918 | 85 |
| 2 | ESTIMATE | 36576 | 2.38 | 11.27 | 63.3 | 15366 | 4.73 | 3246 | 35.3 |
| | (SE) | 16166 | 0.645 | 4.62 | 8.9 | 4396 | 1.07 | 588 | 5.2 |
| | N | 1918 | 30 | 30 | 30 | 1918 | 30 | 1918 | 85 |
| 3 | ESTIMATE | 108 | 0.022 | 0.11 | 11.1 | 4978 | 5.11 | 974 | 10.6 |
| | (SE) | 108 | 0.024 | 0.11 | 11.1 | 2079 | 1.37 | 324 | 3.4 |
| | N | 1918 | 9 | 9 | 9 | 1918 | 9 | 1918 | 85 |
| 4 | ESTIMATE | 216 | 0.047 | 0.4 | 20 | 4653 | 8.6 | 541 | 5.9 |
| | (SE) | 216 | 0.018 | 0.4 | 20 | 3326 | 5.36 | 242 | 2.6 |
| | N | 1918 | 5 | 5 | 5 | 1918 | 5 | 1918 | 85 |
| 5 | ESTIMATE | 26836 | 2.365 | 12.3 | 40 | 11254 | 5.2 | 2164 | 23.5 |
| | (SE) | 16865 | 1.245 | 7.48 | 11.2 | 3939 | 1.44 | 482 | 4.6 |
| | N | 1918 | 20 | 20 | 20 | 1918 | 20 | 1918 | 85 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 79272 | 1.568 | 7.37 | 45.7 | 47606 | 4.7 | 10124 | 4.9 |
| | (SE) | 24246 | 0.419 | 2.27 | 5.2 | 7625 | 0.59 | 1019 | 0.5 |
| | N | 1927 | 94 | 94 | 94 | 1927 | 94 | 1927 | 1927 |

Table 6. Expanded Statewide and Regional Summaries of Woodcock Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 2803 | 0.806 | 3.13 | 87.5 | 3342 | 3.88 | 863 | 28.6 |
| | (SE) | 1462 | 0.364 | 1.37 | 12.5 | 1542 | 1.23 | 304 | 8.7 |
| | N | 1925 | 8 | 8 | 8 | 1925 | 8 | 1925 | 28 |
| 2 | ESTIMATE | 108 | 0.167 | 0.33 | 33.3 | 647 | 2 | 323 | 10.7 |
| | (SE) | 108 | 0.127 | 0.33 | 33.3 | 403 | 0.58 | 187 | 6 |
| | N | 1925 | 3 | 3 | 3 | 1925 | 3 | 1925 | 28 |
| 3 | ESTIMATE | 0 | 0 | 0 | 0 | 1078 | 3.33 | 323 | 10.7 |
| | (SE) | 0 | 0 | 0 | 0 | 792 | 1.86 | 187 | 6 |
| | N | 1925 | 3 | 3 | 3 | 1925 | 3 | 1925 | 28 |
| 4 | ESTIMATE | 108 | 0.111 | 0.25 | 25 | 970 | 2.25 | 431 | 14.3 |
| | (SE) | 108 | 0.134 | 0.25 | 25 | 539 | 0.63 | 215 | 6.7 |
| | N | 1925 | 4 | 4 | 4 | 1925 | 4 | 1925 | 28 |
| 5 | ESTIMATE | 970 | 0.474 | 0.9 | 50 | 2049 | 1.9 | 1078 | 35.7 |
| | (SE) | 444 | 0.237 | 0.31 | 16.7 | 895 | 0.6 | 340 | 9.2 |
| | N | 1925 | 10 | 10 | 10 | 1925 | 10 | 1925 | 28 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 4093 | 0.468 | 1.2 | 46.7 | 8293 | 2.57 | 3231 | 1.6 |
| | (SE) | 1536 | 0.16 | 0.43 | 9.3 | 2061 | 0.44 | 585 | 0.3 |
| | N | 1927 | 30 | 30 | 30 | 1927 | 30 | 1927 | 1927 |

Table 7. Expanded Statewide and Regional Summaries of Ruffed Grouse Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 0 | 0 | 0 | 0 | 1405 | 6.5 | 216 | 1.7 |
| | (SE) | 0 | 0 | 0 | 0 | 1128 | 3.5 | 153 | 1.2 |
| | N | 1920 | 2 | 2 | 2 | 1920 | 2 | 1920 | 117 |
| 2 | ESTIMATE | 108 | 0.067 | 0.13 | 12.5 | 1621 | 1.88 | 865 | 6.8 |
| | (SE) | 108 | 0.067 | 0.13 | 12.5 | 620 | 0.3 | 305 | 2.3 |
| | N | 1920 | 8 | 8 | 8 | 1920 | 8 | 1920 | 117 |
| 3 | ESTIMATE | 4864 | 0.152 | 0.88 | 35.3 | 31997 | 5.8 | 5513 | 43.6 |
| | (SE) | 1450 | 0.037 | 0.24 | 6.8 | 6638 | 0.91 | 762 | 4.6 |
| | N | 1920 | 51 | 51 | 51 | 1920 | 51 | 1920 | 117 |
| 4 | ESTIMATE | 4756 | 0.18 | 0.83 | 37 | 22809 | 4.59 | 4973 | 39.3 |
| | (SE) | 1209 | 0.045 | 0.19 | 7.2 | 5167 | 0.8 | 725 | 4.5 |
| | N | 1920 | 46 | 46 | 46 | 1920 | 46 | 1920 | 117 |
| 5 | ESTIMATE | 540 | 0.156 | 0.5 | 30 | 3459 | 3.2 | 1081 | 8.5 |
| | (SE) | 358 | 0.046 | 0.31 | 15.3 | 1768 | 1.36 | 341 | 2.6 |
| | N | 1920 | 10 | 10 | 10 | 1920 | 10 | 1920 | 117 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 11525 | 0.152 | 0.73 | 32.3 | 63870 | 4.78 | 13356 | 6.4 |
| | (SE) | 2036 | 0.024 | 0.12 | 4.2 | 8666 | 0.5 | 1160 | 0.6 |
| | N | 1927 | 124 | 124 | 124 | 1927 | 124 | 1927 | 1927 |

Table 8. Expanded Statewide and Regional Summaries of Crow Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 12864 | 1.455 | 5.6 | 80 | 8324 | 3.85 | 2162 | 14.7 |
| | (SE) | 4048 | 0.38 | 1.41 | 9.2 | 2339 | 0.68 | 481 | 3 |
| | N | 1920 | 20 | 20 | 20 | 1920 | 20 | 1920 | 136 |
| 2 | ESTIMATE | 36970 | 1.347 | 8.25 | 85 | 26484 | 6.13 | 4324 | 29.4 |
| | (SE) | 9817 | 0.264 | 1.87 | 5.7 | 6458 | 1.16 | 677 | 3.9 |
| | N | 1920 | 40 | 40 | 40 | 1920 | 40 | 1920 | 136 |
| 3 | ESTIMATE | 18161 | 2.435 | 5.79 | 75.9 | 7459 | 2.38 | 3135 | 21.3 |
| | (SE) | 6644 | 0.711 | 1.86 | 8.1 | 1698 | 0.32 | 578 | 3.5 |
| | N | 1920 | 29 | 29 | 29 | 1920 | 29 | 1920 | 136 |
| 4 | ESTIMATE | 11242 | 1.46 | 4.29 | 82.4 | 5405 | 2.94 | 1838 | 12.5 |
| | (SE) | 3863 | 0.479 | 1.47 | 9.5 | 1621 | 0.54 | 444 | 2.8 |
| | N | 1920 | 17 | 17 | 17 | 1920 | 17 | 1920 | 136 |
| 5 | ESTIMATE | 39024 | 2.342 | 11.87 | 80 | 16431 | 5.07 | 3243 | 22.1 |
| | (SE) | 12712 | 0.521 | 3.33 | 7.4 | 4608 | 1.1 | 588 | 3.6 |
| | N | 1920 | 30 | 30 | 30 | 1920 | 30 | 1920 | 136 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 127309 | 1.752 | 7.46 | 79.7 | 65593 | 4.26 | 15402 | 7.4 |
| | (SE) | 18406 | 0.208 | 1.01 | 3.4 | 8503 | 0.43 | 1240 | 0.6 |
| | N | 1927 | 143 | 143 | 143 | 1927 | 143 | 1927 | 1927 |

Table 9. Expanded Statewide and Regional Summaries of Rabbit Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 61569 | 1.36 | 7.22 | 80.8 | 45034 | 5.31 | 8485 | 21.4 |
| | (SE) | 11033 | 0.147 | 1.03 | 4.5 | 7389 | 0.65 | 941 | 2.2 |
| | N | 1908 | 78 | 78 | 78 | 1908 | 78 | 1908 | 364 |
| 2 | ESTIMATE | 98880 | 0.936 | 7.15 | 83.1 | 103122 | 7.65 | 13489 | 34.1 |
| | (SE) | 16309 | 0.107 | 1.04 | 3.4 | 16985 | 1.07 | 1172 | 2.5 |
| | N | 1908 | 124 | 124 | 124 | 1908 | 124 | 1908 | 364 |
| 3 | ESTIMATE | 31655 | 0.947 | 5.4 | 73.6 | 32851 | 5.7 | 5765 | 14.6 |
| | (SE) | 6750 | 0.115 | 0.92 | 6.1 | 6305 | 0.78 | 781 | 1.9 |
| | N | 1908 | 53 | 53 | 53 | 1908 | 53 | 1908 | 364 |
| 4 | ESTIMATE | 19145 | 0.413 | 3.91 | 68.9 | 46340 | 9.47 | 4895 | 12.4 |
| | (SE) | 4406 | 0.149 | 0.7 | 7 | 18906 | 3.64 | 721 | 1.7 |
| | N | 1908 | 45 | 45 | 45 | 1908 | 45 | 1908 | 364 |
| 5 | ESTIMATE | 44599 | 1.158 | 6.61 | 73.8 | 37855 | 5.7 | 6636 | 16.8 |
| | (SE) | 10502 | 0.205 | 1.35 | 5.7 | 7190 | 0.82 | 836 | 2 |
| | N | 1908 | 61 | 61 | 61 | 1908 | 61 | 1908 | 364 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 303085 | 1.006 | 6.92 | 77.3 | 283806 | 6.88 | 41252 | 19.9 |
| | (SE) | 29644 | 0.098 | 0.63 | 2.1 | 28377 | 0.61 | 1887 | 0.9 |
| | N | 1927 | 383 | 383 | 383 | 1927 | 383 | 1927 | 1927 |

Table 10. Expanded Statewide and Regional Summaries of Gray Squirrel Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 83064 | 1.557 | 8.11 | 83.3 | 51259 | 5.21 | 9836 | 16.6 |
| | (SE) | 13792 | 0.157 | 1.12 | 4 | 7805 | 0.59 | 1012 | 1.6 |
| | N | 1899 | 90 | 90 | 90 | 1899 | 90 | 1899 | 541 |
| 2 | ESTIMATE | 130716 | 1.425 | 8.63 | 86 | 89949 | 6.05 | 14864 | 25.1 |
| | (SE) | 16190 | 0.146 | 0.82 | 3 | 12216 | 0.65 | 1228 | 1.9 |
| | N | 1899 | 136 | 136 | 136 | 1899 | 136 | 1899 | 541 |
| 3 | ESTIMATE | 84375 | 0.895 | 7.16 | 78.4 | 89184 | 8 | 11148 | 18.9 |
| | (SE) | 11751 | 0.17 | 0.76 | 4.1 | 18560 | 1.48 | 1074 | 1.7 |
| | N | 1899 | 102 | 102 | 102 | 1899 | 102 | 1899 | 541 |
| 4 | ESTIMATE | 112573 | 1.225 | 9.4 | 80.2 | 88856 | 7.67 | 11585 | 19.6 |
| | (SE) | 18050 | 0.167 | 1.28 | 3.9 | 14097 | 0.98 | 1094 | 1.7 |
| | N | 1899 | 106 | 106 | 106 | 1899 | 106 | 1899 | 541 |
| 5 | ESTIMATE | 96288 | 1.207 | 7.86 | 79.2 | 75413 | 6.51 | 11585 | 19.6 |
| | (SE) | 12978 | 0.168 | 0.82 | 4 | 12101 | 0.85 | 1094 | 1.7 |
| | N | 1899 | 106 | 106 | 106 | 1899 | 106 | 1899 | 541 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 539070 | 1.205 | 8.09 | 80 | 411330 | 6.71 | 61285 | 29.5 |
| | (SE) | 31584 | 0.076 | 0.42 | 1.7 | 28976 | 0.41 | 2157 | 1 |
| | N | 1927 | 569 | 569 | 569 | 1927 | 569 | 1927 | 1927 |

Table 11. Expanded Statewide and Regional Summaries of Fox Squirrel Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 217 | 0.4 | 1 | 50 | 542 | 2.5 | 217 | 1.1 |
| | (SE) | 217 | 0.16 | 1 | 50 | 447 | 1.5 | 153 | 0.8 |
| | N | 1913 | 2 | 2 | 2 | 1913 | 2 | 1913 | 181 |
| 2 | ESTIMATE | 2387 | 0.177 | 1.18 | 47.1 | 12260 | 6.65 | 1844 | 9.4 |
| | (SE) | 981 | 0.081 | 0.45 | 12.5 | 4462 | 1.86 | 445 | 2.2 |
| | N | 1913 | 17 | 17 | 17 | 1913 | 17 | 1913 | 181 |
| 3 | ESTIMATE | 28968 | 0.474 | 3.26 | 70.1 | 57502 | 6.88 | 8354 | 42.5 |
| | (SE) | 4947 | 0.059 | 0.45 | 5.3 | 9407 | 0.83 | 933 | 3.7 |
| | N | 1913 | 77 | 77 | 77 | 1913 | 77 | 1913 | 181 |
| 4 | ESTIMATE | 27124 | 0.409 | 3.25 | 64.4 | 62927 | 7.95 | 7920 | 40.3 |
| | (SE) | 4826 | 0.096 | 0.47 | 5.6 | 12832 | 1.35 | 909 | 3.7 |
| | N | 1913 | 73 | 73 | 73 | 1913 | 73 | 1913 | 181 |
| 5 | ESTIMATE | 2821 | 0.125 | 0.8 | 40 | 6944 | 6.4 | 1085 | 5.5 |
| | (SE) | 2018 | 0.09 | 0.42 | 16.3 | 3579 | 2.75 | 342 | 1.7 |
| | N | 1913 | 10 | 10 | 10 | 1913 | 10 | 1913 | 181 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 68609 | 0.397 | 2.92 | 62.1 | 154774 | 7.37 | 21003 | 10.1 |
| | (SE) | 7542 | 0.047 | 0.28 | 3.5 | 17363 | 0.66 | 1426 | 0.7 |
| | N | 1927 | 195 | 195 | 195 | 1927 | 195 | 1927 | 1927 |

Table 12. Expanded Statewide Summary of Total Squirrel Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT OF TOTAL LICENSES |
|-----------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|---------------------------|
| Statewide | ESTIMATE | 607679 | 0.987 | 8.92 | 81.4 | 566104 | 9.03 | 62685 | 30.2 |
| | (SE) | 34393 | 0.062 | 0.44 | 1.6 | 41322 | 0.58 | 2171 | 1 |
| | N | 1927 | 582 | 582 | 582 | 1927 | 582 | 1927 | 1927 |

Table 13. Expanded Statewide and Regional Summaries of Groundhog Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 29743 | 0.992 | 8.7 | 93.3 | 28564 | 8.77 | 3257 | 13 |
| | (SE) | 7249 | 0.15 | 1.58 | 4.6 | 6783 | 1.37 | 590 | 2.2 |
| | N | 1912 | 30 | 30 | 30 | 1911 | 30 | 1912 | 230 |
| 2 | ESTIMATE | 40924 | 0.616 | 6.44 | 85.2 | 61038 | 10.6 | 5862 | 23.5 |
| | (SE) | 7981 | 0.102 | 1.04 | 4.9 | 13322 | 1.83 | 787 | 2.8 |
| | N | 1912 | 53 | 54 | 54 | 1911 | 53 | 1912 | 230 |
| 3 | ESTIMATE | 58183 | 0.831 | 6.65 | 82.3 | 53870 | 8 | 6730 | 27 |
| | (SE) | 13628 | 0.147 | 1.2 | 4.9 | 9503 | 1 | 841 | 2.9 |
| | N | 1912 | 62 | 62 | 62 | 1911 | 62 | 1912 | 230 |
| 4 | ESTIMATE | 47111 | 0.598 | 7.98 | 83.3 | 69509 | 13.33 | 5210 | 20.9 |
| | (SE) | 9982 | 0.168 | 1.45 | 5.4 | 18644 | 3.06 | 743 | 2.7 |
| | N | 1912 | 48 | 48 | 48 | 1911 | 48 | 1912 | 230 |
| 5 | ESTIMATE | 32674 | 0.871 | 7.69 | 77.8 | 34537 | 8.83 | 3908 | 15.7 |
| | (SE) | 10623 | 0.264 | 2.4 | 7 | 9146 | 1.85 | 645 | 2.4 |
| | N | 1912 | 36 | 36 | 36 | 1911 | 36 | 1912 | 230 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 227045 | 0.737 | 7.07 | 82.9 | 252810 | 9.61 | 26388 | 12.7 |
| | (SE) | 22513 | 0.077 | 0.62 | 2.4 | 26703 | 0.84 | 1575 | 0.8 |
| | N | 1927 | 244 | 245 | 245 | 1926 | 244 | 1927 | 1927 |

Table 14. Expanded Statewide and Regional Summaries of Archery Deer (Buck and Doe) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 7047 | 0.058 | 0.61 | 35.2 | 121291 | 10.49 | 11561 | 16.5 |
| | (SE) | 1477 | 0.01 | 0.11 | 4.7 | 15984 | 0.96 | 1097 | 1.5 |
| | N | 1885 | 105 | 105 | 105 | 1884 | 105 | 1885 | 638 |
| 2 | ESTIMATE | 10130 | 0.056 | 0.57 | 37.6 | 177145 | 10.24 | 17287 | 24.6 |
| | (SE) | 1540 | 0.008 | 0.08 | 3.9 | 18630 | 0.74 | 1321 | 1.7 |
| | N | 1885 | 157 | 157 | 157 | 1884 | 157 | 1885 | 638 |
| 3 | ESTIMATE | 8478 | 0.052 | 0.59 | 38.5 | 163925 | 11.45 | 14314 | 20.4 |
| | (SE) | 1444 | 0.007 | 0.09 | 4.3 | 17181 | 0.71 | 1212 | 1.6 |
| | N | 1885 | 130 | 130 | 130 | 1884 | 130 | 1885 | 638 |
| 4 | ESTIMATE | 7707 | 0.051 | 0.62 | 36.4 | 142222 | 12.07 | 11781 | 16.8 |
| | (SE) | 1739 | 0.01 | 0.13 | 4.7 | 18157 | 1.05 | 1106 | 1.5 |
| | N | 1885 | 107 | 107 | 107 | 1884 | 107 | 1885 | 638 |
| 5 | ESTIMATE | 10570 | 0.073 | 0.68 | 36.7 | 142333 | 9.36 | 15305 | 21.8 |
| | (SE) | 1615 | 0.009 | 0.09 | 4.1 | 14754 | 0.6 | 1250 | 1.6 |
| | N | 1885 | 138 | 139 | 139 | 1884 | 138 | 1885 | 638 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 47822 | 0.057 | 0.6 | 35.9 | 769853 | 10.52 | 73240 | 35.3 |
| | (SE) | 3450 | 0.004 | 0.04 | 1.8 | 34490 | 0.34 | 2260 | 1.1 |
| | N | 1927 | 679 | 680 | 680 | 1926 | 679 | 1927 | 1927 |

Table 15. Expanded Statewide and Regional Summaries of Archery Deer (Buck) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 3744 | 0.031 | 0.32 | 25.7 | 121291 | 10.49 | 11561 | 16.5 |
| | (SE) | 774 | 0.005 | 0.06 | 4.3 | 15984 | 0.96 | 1097 | 1.5 |
| | N | 1885 | 105 | 105 | 105 | 1884 | 105 | 1885 | 638 |
| 2 | ESTIMATE | 4184 | 0.024 | 0.24 | 21 | 177145 | 10.24 | 17287 | 24.6 |
| | (SE) | 788 | 0.004 | 0.04 | 3.3 | 18630 | 0.74 | 1321 | 1.7 |
| | N | 1885 | 157 | 157 | 157 | 1884 | 157 | 1885 | 638 |
| 3 | ESTIMATE | 3083 | 0.019 | 0.22 | 17.7 | 163925 | 11.45 | 14314 | 20.4 |
| | (SE) | 727 | 0.004 | 0.05 | 3.4 | 17181 | 0.71 | 1212 | 1.6 |
| | N | 1885 | 130 | 130 | 130 | 1884 | 130 | 1885 | 638 |
| 4 | ESTIMATE | 3083 | 0.02 | 0.24 | 21.5 | 142222 | 12.07 | 11781 | 16.8 |
| | (SE) | 675 | 0.004 | 0.05 | 4 | 18157 | 1.05 | 1106 | 1.5 |
| | N | 1885 | 107 | 107 | 107 | 1884 | 107 | 1885 | 638 |
| 5 | ESTIMATE | 4735 | 0.033 | 0.3 | 20.1 | 142333 | 9.36 | 15305 | 21.8 |
| | (SE) | 960 | 0.006 | 0.06 | 3.4 | 14754 | 0.6 | 1250 | 1.6 |
| | N | 1885 | 138 | 139 | 139 | 1884 | 138 | 1885 | 638 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 21003 | 0.025 | 0.26 | 20.6 | 769853 | 10.52 | 73240 | 35.3 |
| | (SE) | 1794 | 0.002 | 0.02 | 1.6 | 34490 | 0.34 | 2260 | 1.1 |
| | N | 1927 | 679 | 680 | 680 | 1926 | 679 | 1927 | 1927 |

Table 16. Expanded Statewide and Regional Summaries of Archery Deer (Doe) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 3303 | 0.027 | 0.29 | 19 | 121291 | 10.49 | 11561 | 16.5 |
| | (SE) | 892 | 0.006 | 0.07 | 3.9 | 15984 | 0.96 | 1097 | 1.5 |
| | N | 1885 | 105 | 105 | 105 | 1884 | 105 | 1885 | 638 |
| 2 | ESTIMATE | 5946 | 0.032 | 0.33 | 24.2 | 177145 | 10.24 | 17287 | 24.6 |
| | (SE) | 1024 | 0.005 | 0.05 | 3.4 | 18630 | 0.74 | 1321 | 1.7 |
| | N | 1885 | 157 | 157 | 157 | 1884 | 157 | 1885 | 638 |
| 3 | ESTIMATE | 5395 | 0.033 | 0.38 | 27.7 | 163925 | 11.45 | 14314 | 20.4 |
| | (SE) | 971 | 0.005 | 0.06 | 3.9 | 17181 | 0.71 | 1212 | 1.6 |
| | N | 1885 | 130 | 130 | 130 | 1884 | 130 | 1885 | 638 |
| 4 | ESTIMATE | 4624 | 0.031 | 0.37 | 23.4 | 142222 | 12.07 | 11781 | 16.8 |
| | (SE) | 1326 | 0.008 | 0.11 | 4.1 | 18157 | 1.05 | 1106 | 1.5 |
| | N | 1885 | 107 | 107 | 107 | 1884 | 107 | 1885 | 638 |
| 5 | ESTIMATE | 5836 | 0.04 | 0.38 | 27.3 | 142333 | 9.36 | 15305 | 21.8 |
| | (SE) | 1006 | 0.006 | 0.06 | 3.8 | 14754 | 0.6 | 1250 | 1.6 |
| | N | 1885 | 138 | 139 | 139 | 1884 | 138 | 1885 | 638 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 26819 | 0.032 | 0.34 | 23.7 | 769853 | 10.52 | 73240 | 35.3 |
| | (SE) | 2333 | 0.003 | 0.03 | 1.6 | 34490 | 0.34 | 2260 | 1.1 |
| | N | 1927 | 679 | 680 | 680 | 1926 | 679 | 1927 | 1927 |

Table 17. Expanded Statewide and Regional Summaries of Muzzleloader Deer (Buck and Doe) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 12384 | 0.111 | 0.71 | 47.4 | 109196 | 6.41 | 17029 | 15.7 |
| | (SE) | 1608 | 0.012 | 0.08 | 4 | 10852 | 0.4 | 1315 | 1.2 |
| | N | 1877 | 154 | 154 | 154 | 1876 | 154 | 1877 | 981 |
| 2 | ESTIMATE | 24548 | 0.103 | 0.78 | 51.2 | 237311 | 7.63 | 31072 | 28.6 |
| | (SE) | 2492 | 0.009 | 0.07 | 3 | 17430 | 0.37 | 1710 | 1.4 |
| | N | 1877 | 281 | 281 | 281 | 1876 | 281 | 1877 | 981 |
| 3 | ESTIMATE | 9841 | 0.053 | 0.44 | 35.8 | 177347 | 8.31 | 21341 | 19.7 |
| | (SE) | 1303 | 0.006 | 0.05 | 3.5 | 15132 | 0.43 | 1455 | 1.3 |
| | N | 1877 | 193 | 193 | 193 | 1876 | 193 | 1877 | 981 |
| 4 | ESTIMATE | 9731 | 0.061 | 0.48 | 38.9 | 157543 | 7.91 | 19904 | 18.3 |
| | (SE) | 1231 | 0.007 | 0.05 | 3.6 | 14836 | 0.49 | 1411 | 1.2 |
| | N | 1877 | 180 | 180 | 180 | 1876 | 180 | 1877 | 981 |
| 5 | ESTIMATE | 14596 | 0.108 | 0.75 | 48.3 | 129663 | 6.85 | 19019 | 17.5 |
| | (SE) | 1779 | 0.01 | 0.08 | 3.8 | 12825 | 0.46 | 1383 | 1.2 |
| | N | 1877 | 171 | 172 | 172 | 1876 | 171 | 1877 | 981 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 72917 | 0.084 | 0.63 | 43.7 | 827506 | 7.46 | 111045 | 53.5 |
| | (SE) | 3601 | 0.004 | 0.03 | 1.5 | 27232 | 0.19 | 2359 | 1.1 |
| | N | 1927 | 1030 | 1031 | 1031 | 1926 | 1030 | 1927 | 1927 |

Table 18. Expanded Statewide and Regional Summaries of Muzzleloader Deer (Buck) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 6745 | 0.06 | 0.38 | 32.5 | 109196 | 6.41 | 17029 | 15.7 |
| | (SE) | 996 | 0.008 | 0.05 | 3.8 | 10852 | 0.4 | 1315 | 1.2 |
| | N | 1877 | 154 | 154 | 154 | 1876 | 154 | 1877 | 981 |
| 2 | ESTIMATE | 13822 | 0.057 | 0.44 | 38.4 | 237311 | 7.63 | 31072 | 28.6 |
| | (SE) | 1402 | 0.005 | 0.04 | 2.9 | 17430 | 0.37 | 1710 | 1.4 |
| | N | 1877 | 281 | 281 | 281 | 1876 | 281 | 1877 | 981 |
| 3 | ESTIMATE | 5971 | 0.033 | 0.27 | 25.4 | 177347 | 8.31 | 21341 | 19.7 |
| | (SE) | 874 | 0.005 | 0.04 | 3.1 | 15132 | 0.43 | 1455 | 1.3 |
| | N | 1877 | 193 | 193 | 193 | 1876 | 193 | 1877 | 981 |
| 4 | ESTIMATE | 5197 | 0.032 | 0.26 | 25.6 | 157543 | 7.91 | 19904 | 18.3 |
| | (SE) | 749 | 0.004 | 0.03 | 3.3 | 14836 | 0.49 | 1411 | 1.2 |
| | N | 1877 | 180 | 180 | 180 | 1876 | 180 | 1877 | 981 |
| 5 | ESTIMATE | 8735 | 0.064 | 0.45 | 37.8 | 129663 | 6.85 | 19019 | 17.5 |
| | (SE) | 1104 | 0.007 | 0.05 | 3.7 | 12825 | 0.46 | 1383 | 1.2 |
| | N | 1877 | 171 | 172 | 172 | 1876 | 171 | 1877 | 981 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 41036 | 0.047 | 0.35 | 31.4 | 827506 | 7.46 | 111045 | 53.5 |
| | (SE) | 2175 | 0.003 | 0.02 | 1.4 | 27232 | 0.19 | 2359 | 1.1 |
| | N | 1927 | 1030 | 1031 | 1031 | 1926 | 1030 | 1927 | 1927 |

Table 19. Expanded Statewide and Regional Summaries of Muzzleloader Deer (Doe) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 5639 | 0.052 | 0.33 | 23.4 | 109196 | 6.41 | 17029 | 15.7 |
| | (SE) | 1035 | 0.009 | 0.06 | 3.4 | 10852 | 0.4 | 1315 | 1.2 |
| | N | 1877 | 154 | 154 | 154 | 1876 | 154 | 1877 | 981 |
| 2 | ESTIMATE | 10726 | 0.045 | 0.35 | 24.2 | 237311 | 7.63 | 31072 | 28.6 |
| | (SE) | 1763 | 0.007 | 0.05 | 2.6 | 17430 | 0.37 | 1710 | 1.4 |
| | N | 1877 | 281 | 281 | 281 | 1876 | 281 | 1877 | 981 |
| 3 | ESTIMATE | 3870 | 0.02 | 0.17 | 13 | 177347 | 8.31 | 21341 | 19.7 |
| | (SE) | 800 | 0.004 | 0.03 | 2.4 | 15132 | 0.43 | 1455 | 1.3 |
| | N | 1877 | 193 | 193 | 193 | 1876 | 193 | 1877 | 981 |
| 4 | ESTIMATE | 4534 | 0.029 | 0.23 | 20.6 | 157543 | 7.91 | 19904 | 18.3 |
| | (SE) | 767 | 0.005 | 0.04 | 3 | 14836 | 0.49 | 1411 | 1.2 |
| | N | 1877 | 180 | 180 | 180 | 1876 | 180 | 1877 | 981 |
| 5 | ESTIMATE | 5860 | 0.044 | 0.3 | 19.8 | 129663 | 6.85 | 19019 | 17.5 |
| | (SE) | 1103 | 0.007 | 0.05 | 3 | 12825 | 0.46 | 1383 | 1.2 |
| | N | 1877 | 171 | 172 | 172 | 1876 | 171 | 1877 | 981 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 31881 | 0.037 | 0.27 | 20.1 | 827506 | 7.46 | 111045 | 53.5 |
| | (SE) | 2486 | 0.003 | 0.02 | 1.2 | 27232 | 0.19 | 2359 | 1.1 |
| | N | 1927 | 1030 | 1031 | 1031 | 1926 | 1030 | 1927 | 1927 |

Table 20. Expanded Statewide and Regional Summaries of Gun Deer (Buck and Doe) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 52001 | 0.114 | 1.56 | 60.4 | 445270 | 13.72 | 32430 | 19.6 |
| | (SE) | 4748 | 0.008 | 0.12 | 2.9 | 30592 | 0.58 | 1765 | 1 |
| | N | 1824 | 285 | 285 | 285 | 1823 | 285 | 1824 | 1454 |
| 2 | ESTIMATE | 51546 | 0.088 | 1.1 | 54.6 | 569823 | 12.54 | 45402 | 27.4 |
| | (SE) | 3745 | 0.005 | 0.07 | 2.5 | 31364 | 0.41 | 2010 | 1.2 |
| | N | 1824 | 399 | 399 | 399 | 1823 | 399 | 1824 | 1454 |
| 3 | ESTIMATE | 21165 | 0.094 | 0.72 | 48.2 | 218366 | 7.58 | 28788 | 17.4 |
| | (SE) | 2192 | 0.008 | 0.06 | 3.1 | 14877 | 0.27 | 1680 | 1 |
| | N | 1824 | 253 | 253 | 253 | 1823 | 253 | 1824 | 1454 |
| 4 | ESTIMATE | 20709 | 0.091 | 0.76 | 44.4 | 225994 | 8.31 | 27195 | 16.4 |
| | (SE) | 2276 | 0.008 | 0.07 | 3.2 | 16584 | 0.35 | 1640 | 1 |
| | N | 1824 | 239 | 239 | 239 | 1823 | 239 | 1824 | 1454 |
| 5 | ESTIMATE | 42443 | 0.103 | 1.3 | 52.3 | 395745 | 12.59 | 31519 | 19.1 |
| | (SE) | 4638 | 0.009 | 0.13 | 3 | 29489 | 0.63 | 1745 | 1 |
| | N | 1824 | 276 | 277 | 277 | 1823 | 276 | 1824 | 1454 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 187301 | 0.095 | 1.06 | 50.5 | 1866226 | 11.13 | 167699 | 80.8 |
| | (SE) | 7041 | 0.003 | 0.04 | 1.3 | 41568 | 0.21 | 1863 | 0.9 |
| | N | 1927 | 1556 | 1557 | 1557 | 1926 | 1556 | 1927 | 1927 |

Table 21. Expanded Statewide and Regional Summaries of Gun Deer (Buck) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 20709 | 0.046 | 0.63 | 42.5 | 445270 | 13.72 | 32430 | 19.6 |
| | (SE) | 2016 | 0.004 | 0.05 | 2.9 | 30592 | 0.58 | 1765 | 1 |
| | N | 1824 | 285 | 285 | 285 | 1823 | 285 | 1824 | 1454 |
| 2 | ESTIMATE | 22758 | 0.039 | 0.48 | 36.8 | 569823 | 12.54 | 45402 | 27.4 |
| | (SE) | 1939 | 0.003 | 0.04 | 2.4 | 31364 | 0.41 | 2010 | 1.2 |
| | N | 1824 | 399 | 399 | 399 | 1823 | 399 | 1824 | 1454 |
| 3 | ESTIMATE | 10355 | 0.046 | 0.35 | 30.4 | 218366 | 7.58 | 28788 | 17.4 |
| | (SE) | 1239 | 0.005 | 0.04 | 2.9 | 14877 | 0.27 | 1680 | 1 |
| | N | 1824 | 253 | 253 | 253 | 1823 | 253 | 1824 | 1454 |
| 4 | ESTIMATE | 10241 | 0.045 | 0.37 | 33.1 | 225994 | 8.31 | 27195 | 16.4 |
| | (SE) | 1169 | 0.004 | 0.04 | 3 | 16584 | 0.35 | 1640 | 1 |
| | N | 1824 | 239 | 239 | 239 | 1823 | 239 | 1824 | 1454 |
| 5 | ESTIMATE | 13882 | 0.034 | 0.42 | 34.7 | 395745 | 12.59 | 31519 | 19.1 |
| | (SE) | 1439 | 0.003 | 0.04 | 2.9 | 29489 | 0.63 | 1745 | 1 |
| | N | 1824 | 276 | 277 | 277 | 1823 | 276 | 1824 | 1454 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 78410 | 0.04 | 0.44 | 34.6 | 1866226 | 11.13 | 167699 | 80.8 |
| | (SE) | 3102 | 0.002 | 0.02 | 1.2 | 41568 | 0.21 | 1863 | 0.9 |
| | N | 1927 | 1556 | 1557 | 1557 | 1926 | 1556 | 1927 | 1927 |

Table 22. Expanded Statewide and Regional Summaries of Gun Deer (Doe) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 31292 | 0.068 | 0.94 | 44.2 | 445270 | 13.72 | 32430 | 19.6 |
| | (SE) | 3478 | 0.007 | 0.09 | 2.9 | 30592 | 0.58 | 1765 | 1 |
| | N | 1824 | 285 | 285 | 285 | 1823 | 285 | 1824 | 1454 |
| 2 | ESTIMATE | 28788 | 0.049 | 0.62 | 39.6 | 569823 | 12.54 | 45402 | 27.4 |
| | (SE) | 2403 | 0.004 | 0.04 | 2.5 | 31364 | 0.41 | 2010 | 1.2 |
| | N | 1824 | 399 | 399 | 399 | 1823 | 399 | 1824 | 1454 |
| 3 | ESTIMATE | 10810 | 0.048 | 0.36 | 25.7 | 218366 | 7.58 | 28788 | 17.4 |
| | (SE) | 1467 | 0.006 | 0.05 | 2.8 | 14877 | 0.27 | 1680 | 1 |
| | N | 1824 | 253 | 253 | 253 | 1823 | 253 | 1824 | 1454 |
| 4 | ESTIMATE | 10469 | 0.046 | 0.38 | 26.4 | 225994 | 8.31 | 27195 | 16.4 |
| | (SE) | 1490 | 0.006 | 0.05 | 2.9 | 16584 | 0.35 | 1640 | 1 |
| | N | 1824 | 239 | 239 | 239 | 1823 | 239 | 1824 | 1454 |
| 5 | ESTIMATE | 28561 | 0.069 | 0.88 | 40.1 | 395745 | 12.59 | 31519 | 19.1 |
| | (SE) | 3877 | 0.008 | 0.11 | 2.9 | 29489 | 0.63 | 1745 | 1 |
| | N | 1824 | 276 | 277 | 277 | 1823 | 276 | 1824 | 1454 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 108891 | 0.055 | 0.62 | 34.5 | 1866226 | 11.13 | 167699 | 80.8 |
| | (SE) | 5456 | 0.003 | 0.03 | 1.2 | 41568 | 0.21 | 1863 | 0.9 |
| | N | 1927 | 1556 | 1557 | 1557 | 1926 | 1556 | 1927 | 1927 |

Table 23. Expanded Statewide Summary of Total Deer Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT OF TOTAL LICENSES |
|-----------|---------------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|---------------------------|
| Statewide | ESTIMATE (SE) | 308040 | 0.086 | 1.67 | 63.7 | 3463585 | 19.47 | 177931 | 85.7 |
| | N | 9658 | 0.002 | 0.05 | 1.2 | 73897 | 0.37 | 1654 | 0.8 |
| | | 1927 | 1651 | 1652 | 1652 | 1926 | 1651 | 1927 | 1927 |

Table 24. Expanded Statewide Summary of Total Deer (Buck) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT OF TOTAL LICENSES |
|-----------|---------------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|---------------------------|
| Statewide | ESTIMATE (SE) | 140449 | 0.039 | 0.76 | 49 | 3463585 | 19.47 | 177931 | 85.7 |
| | N | 4480 | 0.001 | 0.02 | 1.2 | 73897 | 0.37 | 1654 | 0.8 |
| | | 1927 | 1651 | 1652 | 1652 | 1926 | 1651 | 1927 | 1927 |

Table 25. Expanded Statewide Summary of Total Deer (Doe) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT OF TOTAL LICENSES |
|-----------|---------------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|---------------------------|
| Statewide | ESTIMATE (SE) | 167591 | 0.046 | 0.91 | 44.5 | 3463585 | 19.47 | 177931 | 85.7 |
| | N | 7031 | 0.002 | 0.04 | 1.2 | 73897 | 0.37 | 1654 | 0.8 |
| | | 1927 | 1651 | 1652 | 1652 | 1926 | 1651 | 1927 | 1927 |

Table 26. Expanded Statewide and Regional Summaries of Spring Turkey Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 5816 | 0.085 | 0.41 | 28.8 | 58377 | 4.88 | 11955 | 17.5 |
| | (SE) | 1069 | 0.014 | 0.07 | 4.3 | 7686 | 0.46 | 1102 | 1.5 |
| | N | 1927 | 111 | 111 | 111 | 1927 | 111 | 1927 | 634 |
| 2 | ESTIMATE | 7432 | 0.064 | 0.4 | 29.2 | 112122 | 6.2 | 18095 | 26.5 |
| | (SE) | 1133 | 0.008 | 0.05 | 3.5 | 11056 | 0.41 | 1334 | 1.8 |
| | N | 1927 | 168 | 168 | 168 | 1927 | 168 | 1927 | 634 |
| 3 | ESTIMATE | 6032 | 0.062 | 0.4 | 27.2 | 93704 | 6.4 | 14648 | 21.5 |
| | (SE) | 1058 | 0.008 | 0.06 | 3.8 | 10978 | 0.53 | 1211 | 1.6 |
| | N | 1927 | 136 | 136 | 136 | 1927 | 136 | 1927 | 634 |
| 4 | ESTIMATE | 2370 | 0.035 | 0.23 | 18.9 | 64516 | 6.66 | 9694 | 14.2 |
| | (SE) | 588 | 0.008 | 0.05 | 4.1 | 9050 | 0.64 | 998 | 1.4 |
| | N | 1927 | 90 | 90 | 90 | 1927 | 90 | 1927 | 634 |
| 5 | ESTIMATE | 3231 | 0.058 | 0.32 | 23.1 | 54069 | 5.52 | 9801 | 14.4 |
| | (SE) | 743 | 0.011 | 0.07 | 4.4 | 7744 | 0.56 | 1003 | 1.4 |
| | N | 1927 | 91 | 91 | 91 | 1927 | 91 | 1927 | 634 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 26280 | 0.062 | 0.36 | 26 | 398836 | 5.84 | 68286 | 32.9 |
| | (SE) | 2098 | 0.004 | 0.03 | 1.7 | 19722 | 0.22 | 2222 | 1.1 |
| | N | 1927 | 634 | 634 | 634 | 1927 | 634 | 1927 | 1927 |

Table 27. Expanded Statewide and Regional Summaries of Fall Turkey Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 969 | 0.036 | 0.11 | 11.5 | 21218 | 3.23 | 6670 | 12.3 |
| | (SE) | 322 | 0.014 | 0.04 | 4.1 | 4300 | 0.52 | 828 | 1.5 |
| | N | 1927 | 61 | 61 | 61 | 1927 | 61 | 1927 | 497 |
| 2 | ESTIMATE | 2046 | 0.029 | 0.12 | 9.9 | 62470 | 4.08 | 15294 | 28.6 |
| | (SE) | 537 | 0.008 | 0.03 | 2.5 | 7252 | 0.34 | 1236 | 2 |
| | N | 1927 | 142 | 142 | 142 | 1927 | 142 | 1927 | 497 |
| 3 | ESTIMATE | 1939 | 0.039 | 0.15 | 15.4 | 49329 | 3.91 | 12602 | 23.5 |
| | (SE) | 455 | 0.009 | 0.03 | 3.3 | 5641 | 0.28 | 1129 | 1.9 |
| | N | 1927 | 117 | 117 | 117 | 1927 | 117 | 1927 | 497 |
| 4 | ESTIMATE | 539 | 0.016 | 0.06 | 6.3 | 33604 | 3.95 | 8509 | 15.9 |
| | (SE) | 241 | 0.007 | 0.03 | 2.8 | 5401 | 0.46 | 938 | 1.6 |
| | N | 1927 | 79 | 79 | 79 | 1927 | 79 | 1927 | 497 |
| 5 | ESTIMATE | 1185 | 0.036 | 0.17 | 13.3 | 29942 | 4.63 | 6462 | 12.1 |
| | (SE) | 416 | 0.013 | 0.06 | 4.4 | 5506 | 0.62 | 821 | 1.5 |
| | N | 1927 | 60 | 60 | 60 | 1927 | 60 | 1927 | 497 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 6893 | 0.028 | 0.11 | 10.5 | 217028 | 4.05 | 53530 | 25.8 |
| | (SE) | 913 | 0.004 | 0.02 | 1.4 | 12911 | 0.18 | 2069 | 1 |
| | N | 1927 | 497 | 497 | 497 | 1927 | 497 | 1927 | 1927 |

Table 28. Expanded Statewide Summary of Total Turkey Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT OF TOTAL LICENSES |
|-----------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|---------------------------|
| Statewide | ESTIMATE | 33174 | 0.051 | 0.37 | 26 | 615865 | 7.21 | 85411 | 41.2 |
| | (SE) | 2382 | 0.003 | 0.03 | 1.6 | 26267 | 0.24 | 2327 | 1.1 |
| | N | 1927 | 793 | 793 | 793 | 1927 | 793 | 1927 | 1927 |

Table 29. Expanded Statewide and Regional Summaries of Bear Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 0 | 0 | 0 | 0 | 2831 | 3.25 | 871 | 4.2 |
| | (SE) | 0 | 0 | 0 | 0 | 1191 | 0.8 | 307 | 1.5 |
| | N | 1906 | 8 | 8 | 8 | 1906 | 8 | 1906 | 189 |
| 2 | ESTIMATE | 218 | 0.006 | 0.05 | 4.8 | 37568 | 8.21 | 4574 | 22.2 |
| | (SE) | 154 | 0.004 | 0.03 | 3.3 | 9730 | 1.74 | 698 | 3 |
| | N | 1906 | 42 | 42 | 42 | 1906 | 42 | 1906 | 189 |
| 3 | ESTIMATE | 327 | 0.011 | 0.06 | 5.7 | 29619 | 5.13 | 5771 | 28 |
| | (SE) | 189 | 0.006 | 0.03 | 3.2 | 5775 | 0.73 | 782 | 3.3 |
| | N | 1906 | 53 | 53 | 53 | 1906 | 53 | 1906 | 189 |
| 4 | ESTIMATE | 871 | 0.017 | 0.13 | 13.1 | 51724 | 7.79 | 6642 | 32.3 |
| | (SE) | 307 | 0.005 | 0.04 | 4.4 | 9028 | 0.95 | 837 | 3.4 |
| | N | 1906 | 61 | 61 | 61 | 1906 | 61 | 1906 | 189 |
| 5 | ESTIMATE | 544 | 0.029 | 0.12 | 12 | 11325 | 4.16 | 2722 | 13.2 |
| | (SE) | 243 | 0.019 | 0.07 | 6.6 | 3888 | 1.19 | 541 | 2.5 |
| | N | 1906 | 25 | 25 | 25 | 1906 | 25 | 1906 | 189 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 2154 | 0.011 | 0.08 | 7.6 | 152620 | 6.75 | 22618 | 10.9 |
| | (SE) | 479 | 0.003 | 0.02 | 1.8 | 17174 | 0.62 | 1474 | 0.7 |
| | N | 1927 | 210 | 210 | 210 | 1927 | 210 | 1927 | 1927 |

Table 30. Expanded Statewide and Regional Summaries of Mallard Duck Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|-----------------------------------|
| 1 | ESTIMATE | 43849 | 0.393 | 4.37 | 60.9 | 104587 | 11.1 | 9419 | 60.4 |
| | (SE) | 8383 | 0.071 | 0.71 | 5.3 | 17272 | 1.43 | 987 | 4.1 |
| | N | 1917 | 87 | 87 | 87 | 1917 | 87 | 1917 | 144 |
| 2 | ESTIMATE | 6604 | 0.331 | 3.73 | 27.3 | 13425 | 11.27 | 1191 | 7.6 |
| | (SE) | 3750 | 0.119 | 2.43 | 14.1 | 6270 | 4.22 | 358 | 2.2 |
| | N | 1917 | 11 | 11 | 11 | 1917 | 11 | 1917 | 144 |
| 3 | ESTIMATE | 2707 | 1.136 | 2.78 | 66.7 | 2382 | 2.44 | 974 | 6.3 |
| | (SE) | 1338 | 0.436 | 1.08 | 16.7 | 891 | 0.44 | 324 | 2 |
| | N | 1917 | 9 | 9 | 9 | 1917 | 9 | 1917 | 144 |
| 4 | ESTIMATE | 2923 | 1.133 | 3.4 | 60 | 1624 | 3 | 541 | 3.5 |
| | (SE) | 1637 | 0.345 | 1.89 | 24.5 | 845 | 0.89 | 242 | 1.5 |
| | N | 1917 | 5 | 5 | 5 | 1917 | 5 | 1917 | 144 |
| 5 | ESTIMATE | 15699 | 0.512 | 4.53 | 62.5 | 30640 | 8.84 | 3465 | 22.2 |
| | (SE) | 4546 | 0.07 | 1.06 | 8.7 | 7588 | 1.57 | 607 | 3.5 |
| | N | 1917 | 32 | 32 | 32 | 1917 | 32 | 1917 | 144 |
| | | | | | | | | | PERCENT OF TOTAL LICENSEES |
| STATEWIDE | ESTIMATE | 79810 | 0.458 | 4.44 | 59.7 | 160698 | 9.69 | 16587 | 8 |
| | (SE) | 11021 | 0.055 | 0.53 | 4 | 19996 | 0.95 | 1282 | 0.6 |
| | N | 1927 | 154 | 154 | 154 | 1927 | 154 | 1927 | 1927 |

Table 31. Expanded Statewide and Regional Summaries of Wood Duck Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 21545 | 0.206 | 2.29 | 43.7 | 104587 | 11.1 | 9419 | 60.4 |
| | (SE) | 4520 | 0.04 | 0.42 | 5.3 | 17272 | 1.43 | 987 | 4.1 |
| | N | 1917 | 87 | 87 | 87 | 1917 | 87 | 1917 | 144 |
| 2 | ESTIMATE | 7687 | 0.54 | 6.09 | 45.5 | 13425 | 11.27 | 1191 | 7.6 |
| | (SE) | 4242 | 0.144 | 3.18 | 15.7 | 6270 | 4.22 | 358 | 2.2 |
| | N | 1917 | 11 | 11 | 11 | 1917 | 11 | 1917 | 144 |
| 3 | ESTIMATE | 1407 | 0.591 | 1.44 | 44.4 | 2382 | 2.44 | 974 | 6.3 |
| | (SE) | 925 | 0.359 | 0.87 | 17.6 | 891 | 0.44 | 324 | 2 |
| | N | 1917 | 9 | 9 | 9 | 1917 | 9 | 1917 | 144 |
| 4 | ESTIMATE | 433 | 0.267 | 0.8 | 20 | 1624 | 3 | 541 | 3.5 |
| | (SE) | 433 | 0.205 | 0.8 | 20 | 845 | 0.89 | 242 | 1.5 |
| | N | 1917 | 5 | 5 | 5 | 1917 | 5 | 1917 | 144 |
| 5 | ESTIMATE | 6713 | 0.219 | 1.94 | 50 | 30640 | 8.84 | 3465 | 22.2 |
| | (SE) | 2378 | 0.074 | 0.61 | 9 | 7588 | 1.57 | 607 | 3.5 |
| | N | 1917 | 32 | 32 | 32 | 1917 | 32 | 1917 | 144 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 40713 | 0.251 | 2.43 | 45.5 | 160698 | 9.69 | 16587 | 8 |
| | (SE) | 6880 | 0.037 | 0.37 | 4 | 19996 | 0.95 | 1282 | 0.6 |
| | N | 1927 | 154 | 154 | 154 | 1927 | 154 | 1927 | 1927 |

Table 32. Expanded Statewide and Regional Summaries of Black Duck Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 15266 | 0.138 | 1.53 | 40.2 | 104587 | 11.1 | 9419 | 60.4 |
| | (SE) | 3374 | 0.029 | 0.31 | 5.3 | 17272 | 1.43 | 987 | 4.1 |
| | N | 1917 | 87 | 87 | 87 | 1917 | 87 | 1917 | 144 |
| 2 | ESTIMATE | 433 | 0.016 | 0.18 | 18.2 | 13425 | 11.27 | 1191 | 7.6 |
| | (SE) | 265 | 0.006 | 0.12 | 12.2 | 6270 | 4.22 | 358 | 2.2 |
| | N | 1917 | 11 | 11 | 11 | 1917 | 11 | 1917 | 144 |
| 3 | ESTIMATE | 0 | 0 | 0 | 0 | 2382 | 2.44 | 974 | 6.3 |
| | (SE) | 0 | 0 | 0 | 0 | 891 | 0.44 | 324 | 2 |
| | N | 1917 | 9 | 9 | 9 | 1917 | 9 | 1917 | 144 |
| 4 | ESTIMATE | 108 | 0.067 | 0.2 | 20 | 1624 | 3 | 541 | 3.5 |
| | (SE) | 108 | 0.051 | 0.2 | 20 | 845 | 0.89 | 242 | 1.5 |
| | N | 1917 | 5 | 5 | 5 | 1917 | 5 | 1917 | 144 |
| 5 | ESTIMATE | 1624 | 0.053 | 0.47 | 15.6 | 30640 | 8.84 | 3465 | 22.2 |
| | (SE) | 831 | 0.023 | 0.23 | 6.5 | 7588 | 1.57 | 607 | 3.5 |
| | N | 1917 | 32 | 32 | 32 | 1917 | 32 | 1917 | 144 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 18525 | 0.109 | 1.05 | 31.2 | 160698 | 9.69 | 16587 | 8 |
| | (SE) | 3532 | 0.019 | 0.19 | 3.7 | 19996 | 0.95 | 1282 | 0.6 |
| | N | 1927 | 154 | 154 | 154 | 1927 | 154 | 1927 | 1927 |

Table 33. Expanded Statewide and Regional Summaries of Other Duck Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 59656 | 0.55 | 6.1 | 50.6 | 104587 | 11.1 | 9419 | 60.4 |
| | (SE) | 12057 | 0.09 | 1.09 | 5.4 | 17272 | 1.43 | 987 | 4.1 |
| | N | 1917 | 87 | 87 | 87 | 1917 | 87 | 1917 | 144 |
| 2 | ESTIMATE | 11476 | 0.855 | 9.64 | 27.3 | 13425 | 11.27 | 1191 | 7.6 |
| | (SE) | 8091 | 0.321 | 6.44 | 14.1 | 6270 | 4.22 | 358 | 2.2 |
| | N | 1917 | 11 | 11 | 11 | 1917 | 11 | 1917 | 144 |
| 3 | ESTIMATE | 0 | 0 | 0 | 0 | 2382 | 2.44 | 974 | 6.3 |
| | (SE) | 0 | 0 | 0 | 0 | 891 | 0.44 | 324 | 2 |
| | N | 1917 | 9 | 9 | 9 | 1917 | 9 | 1917 | 144 |
| 4 | ESTIMATE | 866 | 0.533 | 1.6 | 40 | 1624 | 3 | 541 | 3.5 |
| | (SE) | 612 | 0.193 | 0.98 | 24.5 | 845 | 0.89 | 242 | 1.5 |
| | N | 1917 | 5 | 5 | 5 | 1917 | 5 | 1917 | 144 |
| 5 | ESTIMATE | 13750 | 0.449 | 3.97 | 28.1 | 30640 | 8.84 | 3465 | 22.2 |
| | (SE) | 7234 | 0.199 | 2 | 8.1 | 7588 | 1.57 | 607 | 3.5 |
| | N | 1917 | 32 | 32 | 32 | 1917 | 32 | 1917 | 144 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 94458 | 0.572 | 5.55 | 40.9 | 160698 | 9.69 | 16587 | 8 |
| | (SE) | 17559 | 0.084 | 0.96 | 4 | 19996 | 0.95 | 1282 | 0.6 |
| | N | 1927 | 154 | 154 | 154 | 1927 | 154 | 1927 | 1927 |

Table 34. Expanded Statewide and Regional Summaries of Total Duck (All Species) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 140315 | 1.287 | 14.29 | 82.8 | 104587 | 11.1 | 9419 | 60.4 |
| | (SE) | 23715 | 0.178 | 1.94 | 4.1 | 17272 | 1.43 | 987 | 4.1 |
| | N | 1917 | 87 | 87 | 87 | 1917 | 87 | 1917 | 144 |
| 2 | ESTIMATE | 26201 | 1.742 | 19.64 | 45.5 | 13425 | 11.27 | 1191 | 7.6 |
| | (SE) | 15613 | 0.559 | 12.02 | 15.7 | 6270 | 4.22 | 358 | 2.2 |
| | N | 1917 | 11 | 11 | 11 | 1917 | 11 | 1917 | 144 |
| 3 | ESTIMATE | 4114 | 1.727 | 4.22 | 77.8 | 2382 | 2.44 | 974 | 6.3 |
| | (SE) | 1941 | 0.614 | 1.5 | 14.7 | 891 | 0.44 | 324 | 2 |
| | N | 1917 | 9 | 9 | 9 | 1917 | 9 | 1917 | 144 |
| 4 | ESTIMATE | 4331 | 2 | 6 | 60 | 1624 | 3 | 541 | 3.5 |
| | (SE) | 2529 | 0.675 | 3.65 | 24.5 | 845 | 0.89 | 242 | 1.5 |
| | N | 1917 | 5 | 5 | 5 | 1917 | 5 | 1917 | 144 |
| 5 | ESTIMATE | 37786 | 1.233 | 10.91 | 78.1 | 30640 | 8.84 | 3465 | 22.2 |
| | (SE) | 12400 | 0.26 | 3.07 | 7.4 | 7588 | 1.57 | 607 | 3.5 |
| | N | 1917 | 32 | 32 | 32 | 1917 | 32 | 1917 | 144 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 233507 | 1.389 | 13.46 | 77.9 | 160698 | 9.69 | 16587 | 8 |
| | (SE) | 32901 | 0.147 | 1.65 | 3.4 | 19996 | 0.95 | 1282 | 0.6 |
| | N | 1927 | 154 | 154 | 154 | 1927 | 154 | 1927 | 1927 |

Table 35. Expanded Statewide and Regional Summaries of Goose (September) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| | | | | | | | | | |
| 1 | ESTIMATE | 10475 | 1 | 4.62 | 47.6 | 10475 | 4.62 | 2268 | 36.8 |
| | (SE) | 4350 | 0.467 | 1.68 | 11.2 | 4200 | 1.6 | 492 | 6.4 |
| | N | 1922 | 21 | 21 | 21 | 1922 | 21 | 1922 | 57 |
| 2 | ESTIMATE | 5183 | 1.455 | 6 | 62.5 | 3564 | 4.13 | 864 | 14 |
| | (SE) | 3026 | 0.426 | 2.98 | 18.3 | 1498 | 1.01 | 305 | 4.6 |
| | N | 1922 | 8 | 8 | 8 | 1922 | 8 | 1922 | 57 |
| 3 | ESTIMATE | 324 | 0.75 | 1 | 33.3 | 432 | 1.33 | 324 | 5.3 |
| | (SE) | 324 | 0.563 | 1 | 33.3 | 264 | 0.33 | 187 | 3 |
| | N | 1922 | 3 | 3 | 3 | 1922 | 3 | 1922 | 57 |
| 4 | ESTIMATE | 2592 | 2 | 8 | 100 | 1296 | 4 | 324 | 5.3 |
| | (SE) | 1700 | 0 | 3.06 | 0 | 850 | 1.53 | 187 | 3 |
| | N | 1922 | 3 | 3 | 3 | 1922 | 3 | 1922 | 57 |
| 5 | ESTIMATE | 13390 | 1.699 | 5.64 | 59.1 | 7883 | 3.32 | 2376 | 38.6 |
| | (SE) | 4643 | 0.347 | 1.58 | 10.7 | 2095 | 0.54 | 504 | 6.5 |
| | N | 1922 | 22 | 22 | 22 | 1922 | 22 | 1922 | 57 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 35220 | 1.329 | 5.27 | 56.5 | 26496 | 3.97 | 6678 | 3.2 |
| | (SE) | 7507 | 0.253 | 0.92 | 6.3 | 5279 | 0.62 | 835 | 0.4 |
| | N | 1927 | 62 | 62 | 62 | 1927 | 62 | 1927 | 1927 |

Table 36. Expanded Statewide and Regional Summaries of Goose (November-March) Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 30780 | 0.747 | 5.07 | 71.4 | 41185 | 6.79 | 6069 | 42.4 |
| | (SE) | 6373 | 0.109 | 0.82 | 6.1 | 7513 | 0.86 | 799 | 4.3 |
| | N | 1915 | 56 | 56 | 56 | 1915 | 56 | 1915 | 132 |
| 2 | ESTIMATE | 19942 | 1.213 | 12.13 | 66.7 | 16257 | 10 | 1626 | 11.4 |
| | (SE) | 9592 | 0.398 | 5.18 | 12.6 | 6805 | 3.42 | 418 | 2.8 |
| | N | 1915 | 15 | 15 | 15 | 1915 | 15 | 1915 | 132 |
| 3 | ESTIMATE | 1626 | 0.319 | 2.5 | 66.7 | 5094 | 7.83 | 650 | 4.5 |
| | (SE) | 1131 | 0.278 | 1.54 | 21.1 | 3448 | 4.64 | 265 | 1.8 |
| | N | 1915 | 6 | 6 | 6 | 1915 | 6 | 1915 | 132 |
| 4 | ESTIMATE | 9321 | 1.72 | 10.75 | 75 | 5419 | 6.25 | 867 | 6.1 |
| | (SE) | 4218 | 0.228 | 3.26 | 16.4 | 2224 | 1.4 | 306 | 2.1 |
| | N | 1915 | 8 | 8 | 8 | 1915 | 8 | 1915 | 132 |
| 5 | ESTIMATE | 40968 | 1.167 | 8.22 | 69.6 | 35116 | 7.04 | 4986 | 34.8 |
| | (SE) | 11376 | 0.248 | 1.96 | 6.9 | 7477 | 1.11 | 726 | 4.2 |
| | N | 1915 | 46 | 46 | 46 | 1915 | 46 | 1915 | 132 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 111045 | 0.979 | 7.14 | 69.4 | 113092 | 7.29 | 15510 | 7.5 |
| | (SE) | 17012 | 0.111 | 0.94 | 3.9 | 13514 | 0.65 | 1244 | 0.6 |
| | N | 1927 | 144 | 144 | 144 | 1927 | 144 | 1927 | 1927 |

Table 37. Expanded Statewide Summary of Total Goose Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | AVERAGE SEASONAL SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT OF TOTAL LICENSES |
|-----------|-----------|---------------|--------------------|--------------------------|-------------------------------------|----------------|-------------------------------|---------------|---------------------------|
| Statewide | ESTIMATE | 146265 | 1.046 | 8.69 | 68.6 | 139587 | 8.31 | 16802 | 8.1 |
| | (SE) | 22084 | 0.105 | 1.14 | 3.7 | 16422 | 0.74 | 1290 | 0.6 |
| | N | 1927 | 156 | 156 | 156 | 1927 | 156 | 1927 | 1927 |

Table 38. Expanded Statewide and Regional Summaries of Red Fox Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL | | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT SUCCESSFUL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|------------------|---------|----------------|-------------------------------|---------------|----------------------------|----------------------------|
| | | | | HARVEST | HARVEST | | | | | |
| 1 | ESTIMATE | 2274 | 0.083 | 0.71 | 50 | 22087 | 8.5 | 2598 | 19.5 | 19.5 |
| | (SE) | 639 | 0.034 | 0.18 | 10.4 | 8005 | 2.61 | 527 | 3.6 | 3.6 |
| | N | 1917 | 24 | 24 | 24 | 1917 | 24 | 1917 | 123 | 123 |
| 2 | ESTIMATE | 2707 | 0.105 | 0.61 | 31.6 | 23819 | 5.79 | 4114 | 30.9 | 30.9 |
| | (SE) | 973 | 0.042 | 0.21 | 7.6 | 6030 | 1.15 | 661 | 4.2 | 4.2 |
| | N | 1917 | 38 | 38 | 38 | 1917 | 38 | 1917 | 123 | 123 |
| 3 | ESTIMATE | 866 | 0.049 | 0.35 | 35.3 | 13317 | 7.24 | 1841 | 13.8 | 13.8 |
| | (SE) | 342 | 0.023 | 0.12 | 11.9 | 4314 | 1.61 | 445 | 3.1 | 3.1 |
| | N | 1917 | 17 | 17 | 17 | 1917 | 17 | 1917 | 123 | 123 |
| 4 | ESTIMATE | 2923 | 0.232 | 0.96 | 60.9 | 10285 | 4.13 | 2490 | 18.7 | 18.7 |
| | (SE) | 815 | 0.058 | 0.19 | 10.4 | 2595 | 0.61 | 516 | 3.5 | 3.5 |
| | N | 1917 | 23 | 23 | 23 | 1917 | 23 | 1917 | 123 | 123 |
| 5 | ESTIMATE | 1191 | 0.049 | 0.48 | 28.6 | 22087 | 9.71 | 2274 | 17.1 | 17.1 |
| | (SE) | 496 | 0.028 | 0.19 | 10.1 | 8319 | 3.06 | 494 | 3.4 | 3.4 |
| | N | 1917 | 21 | 21 | 21 | 1917 | 21 | 1917 | 123 | 123 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | | |
| STATEWIDE | ESTIMATE | 10986 | 0.089 | 0.62 | 39.8 | 98982 | 6.91 | 14325 | 6.9 | 6.9 |
| | (SE) | 1563 | 0.017 | 0.09 | 4.3 | 14083 | 0.8 | 1199 | 0.6 | 0.6 |
| | N | 1927 | 133 | 133 | 133 | 1927 | 133 | 1927 | 123 | 123 |

Table 39. Expanded Statewide and Regional Summaries of Gray Fox Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 5413 | 0.237 | 2.23 | 45.5 | 22412 | 9.41 | 2382 | 19.1 |
| | (SE) | 2995 | 0.108 | 1.19 | 10.9 | 8131 | 2.83 | 505 | 3.7 |
| | N | 1917 | 22 | 22 | 22 | 1917 | 22 | 1917 | 115 |
| 2 | ESTIMATE | 8337 | 0.199 | 1.17 | 47.8 | 29449 | 5.91 | 4980 | 40 |
| | (SE) | 2890 | 0.066 | 0.32 | 7.4 | 6876 | 1.09 | 726 | 4.6 |
| | N | 1917 | 46 | 46 | 46 | 1917 | 46 | 1917 | 115 |
| 3 | ESTIMATE | 1299 | 0.105 | 0.92 | 15.4 | 12343 | 8.77 | 1407 | 11.3 |
| | (SE) | 1104 | 0.097 | 0.77 | 10.4 | 4274 | 1.9 | 389 | 3 |
| | N | 1917 | 13 | 13 | 13 | 1917 | 13 | 1917 | 115 |
| 4 | ESTIMATE | 2274 | 0.257 | 1.12 | 35.3 | 8012 | 4.35 | 1841 | 14.8 |
| | (SE) | 1140 | 0.117 | 0.56 | 11.9 | 2361 | 0.76 | 445 | 3.3 |
| | N | 1917 | 17 | 17 | 17 | 1917 | 17 | 1917 | 115 |
| 5 | ESTIMATE | 1191 | 0.034 | 0.41 | 23.5 | 22195 | 12.06 | 1841 | 14.8 |
| | (SE) | 519 | 0.022 | 0.21 | 10.6 | 8527 | 3.71 | 445 | 3.3 |
| | N | 1917 | 17 | 17 | 17 | 1917 | 17 | 1917 | 115 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 18956 | 0.152 | 1.14 | 36 | 100382 | 7.46 | 13463 | 6.5 |
| | (SE) | 4455 | 0.036 | 0.27 | 4.3 | 14451 | 0.86 | 1165 | 0.6 |
| | N | 1927 | 125 | 125 | 125 | 1927 | 125 | 1927 | 1927 |

Table 40. Expanded Statewide and Regional Summaries of Coyote Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| 1 | ESTIMATE | 1195 | 0.059 | 0.56 | 44.4 | 18463 | 9.44 | 1955 | 9.4 |
| | (SE) | 447 | 0.027 | 0.18 | 12.1 | 7115 | 2.97 | 459 | 2.1 |
| | N | 1911 | 18 | 18 | 18 | 1911 | 18 | 1911 | 192 |
| 2 | ESTIMATE | 4453 | 0.072 | 0.56 | 33.9 | 49960 | 7.8 | 6408 | 30.7 |
| | (SE) | 1249 | 0.014 | 0.17 | 6.2 | 17480 | 2.56 | 821 | 3.3 |
| | N | 1911 | 59 | 59 | 59 | 1911 | 59 | 1911 | 192 |
| 3 | ESTIMATE | 11621 | 0.183 | 1.87 | 44.4 | 60060 | 10.24 | 5865 | 28.1 |
| | (SE) | 4759 | 0.055 | 0.78 | 6.8 | 14570 | 2.09 | 787 | 3.3 |
| | N | 1911 | 54 | 54 | 54 | 1911 | 54 | 1911 | 192 |
| 4 | ESTIMATE | 2389 | 0.084 | 0.56 | 38.2 | 24437 | 6.62 | 3693 | 17.7 |
| | (SE) | 811 | 0.036 | 0.19 | 8.5 | 8408 | 2.01 | 628 | 2.8 |
| | N | 1911 | 34 | 34 | 34 | 1911 | 34 | 1911 | 192 |
| 5 | ESTIMATE | 1738 | 0.089 | 0.56 | 48.1 | 18246 | 6.22 | 2932 | 14.1 |
| | (SE) | 484 | 0.031 | 0.12 | 9.8 | 4992 | 1.24 | 560 | 2.5 |
| | N | 1911 | 27 | 27 | 27 | 1911 | 27 | 1911 | 192 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 24449 | 0.091 | 0.97 | 40.4 | 221236 | 9.92 | 22403 | 10.8 |
| | (SE) | 5283 | 0.025 | 0.23 | 3.4 | 46938 | 2.01 | 1468 | 0.7 |
| | N | 1927 | 207 | 208 | 208 | 1926 | 207 | 1927 | 1927 |

Table 41. Expanded Statewide and Regional Summaries of Raccoon Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| | | | | | | | | | |
| 1 | ESTIMATE | 4872 | 0.21 | 2.63 | 68.8 | 21676 | 12.5 | 1732 | 14.8 |
| | (SE) | 1577 | 0.059 | 0.64 | 12 | 6823 | 2.48 | 431 | 3.4 |
| | N | 1917 | 16 | 16 | 16 | 1915 | 16 | 1917 | 108 |
| 2 | ESTIMATE | 29232 | 0.388 | 6.95 | 71.1 | 73482 | 18.32 | 4114 | 35.2 |
| | (SE) | 7794 | 0.047 | 1.55 | 7.5 | 19218 | 3.8 | 661 | 4.6 |
| | N | 1917 | 37 | 38 | 38 | 1915 | 37 | 1917 | 108 |
| 3 | ESTIMATE | 19272 | 0.407 | 8.09 | 81.8 | 47363 | 19.86 | 2382 | 20.4 |
| | (SE) | 9091 | 0.123 | 3.49 | 8.4 | 16998 | 5.89 | 505 | 3.9 |
| | N | 1917 | 22 | 22 | 22 | 1915 | 22 | 1917 | 108 |
| 4 | ESTIMATE | 6929 | 0.28 | 2.84 | 42.1 | 20918 | 10.16 | 2057 | 17.6 |
| | (SE) | 2873 | 0.103 | 1.21 | 11.6 | 9089 | 3.86 | 470 | 3.7 |
| | N | 1917 | 19 | 19 | 19 | 1915 | 19 | 1917 | 108 |
| 5 | ESTIMATE | 12559 | 0.416 | 8.92 | 69.2 | 29696 | 22.83 | 1407 | 12 |
| | (SE) | 9806 | 0.322 | 6.78 | 13.3 | 13582 | 8.47 | 389 | 3.1 |
| | N | 1917 | 12 | 13 | 13 | 1915 | 12 | 1917 | 108 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 88319 | 0.365 | 6.5 | 66.9 | 225879 | 18.06 | 12709 | 6.1 |
| | (SE) | 16931 | 0.056 | 1.19 | 4.3 | 36965 | 2.48 | 1134 | 0.5 |
| | N | 1927 | 116 | 118 | 118 | 1925 | 116 | 1927 | 108 |

Table 42. Expanded Statewide and Regional Summaries of Bobcat Hunting in Virginia During the 2008-2009 Hunting Season.

| REGION | STATISTIC | TOTAL HARVEST | AVERAGE DAILY KILL | AVERAGE SEASONAL HARVEST | PERCENT SUCCESSFUL HUNTERS | TOTAL MAN-DAYS | AVERAGE SEASONAL DAYS HUNTING | TOTAL HUNTERS | PERCENT HUNTERS PER REGION |
|-----------------------------------|-----------|---------------|--------------------|--------------------------|----------------------------|----------------|-------------------------------|---------------|----------------------------|
| | | | | | | | | | |
| 1 | ESTIMATE | 324 | 0.024 | 0.3 | 20 | 13512 | 12.5 | 1081 | 13.9 |
| | (SE) | 242 | 0.02 | 0.21 | 13.3 | 5870 | 3.93 | 341 | 4.1 |
| | N | 1920 | 10 | 10 | 10 | 1920 | 10 | 1920 | 72 |
| 2 | ESTIMATE | 1189 | 0.065 | 0.32 | 20 | 13296 | 4.92 | 2702 | 34.7 |
| | (SE) | 445 | 0.027 | 0.14 | 8.2 | 4110 | 1.19 | 537 | 5.7 |
| | N | 1920 | 25 | 25 | 25 | 1920 | 25 | 1920 | 72 |
| 3 | ESTIMATE | 1189 | 0.056 | 0.45 | 10 | 17512 | 8.1 | 2162 | 27.8 |
| | (SE) | 709 | 0.038 | 0.31 | 6.9 | 5587 | 1.9 | 481 | 5.3 |
| | N | 1920 | 20 | 20 | 20 | 1920 | 20 | 1920 | 72 |
| 4 | ESTIMATE | 0 | 0 | 0 | 0 | 5621 | 4.73 | 1189 | 15.3 |
| | (SE) | 0 | 0 | 0 | 0 | 2244 | 1.3 | 358 | 4.3 |
| | N | 1920 | 11 | 11 | 11 | 1920 | 11 | 1920 | 72 |
| 5 | ESTIMATE | 216 | 0.038 | 0.33 | 33.3 | 5621 | 8.67 | 649 | 8.3 |
| | (SE) | 153 | 0.039 | 0.21 | 21.1 | 3505 | 4.48 | 264 | 3.3 |
| | N | 1920 | 6 | 6 | 6 | 1920 | 6 | 1920 | 72 |
| PERCENT OF TOTAL LICENSEES | | | | | | | | | |
| STATEWIDE | ESTIMATE | 2908 | 0.039 | 0.28 | 13.9 | 61285 | 7.2 | 8509 | 4.1 |
| | (SE) | 879 | 0.014 | 0.1 | 3.9 | 10479 | 0.95 | 938 | 0.5 |
| | N | 1927 | 79 | 79 | 79 | 1927 | 79 | 1927 | 1927 |

| Table 43. Responses to the question, 'During the 2008-2009 hunting season did you introduce and take a new hunter (youth or adult) hunting in Virginia?' (Q18) | | |
|--|--|----------------------|
| | | Responses (%) |
| | Yes | 35.7 |
| | No | 64.3 |
| | | Mean |
| | If yes, how many hunters did you take? | 1.5 |

| Table 44. Responses to the question, 'Are you aware of the new apprentice hunting license?' (Q19) | | |
|---|-----|----------------------|
| | | Responses (%) |
| | Yes | 46.0 |
| | No | 54.0 |

| Table 45. Responses to the statement, 'Please indicate the level of importance you place on hunting each of the following species:' (Q20) | | | | | | | | |
|---|------------|---------------|------|------|------|------|------|------|
| | Mean Score | Responses (%) | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Deer | 6.3 | 2.3 | 1.0 | 1.5 | 6.1 | 7.1 | 12.9 | 69.2 |
| Fall Turkey | 4.4 | 12.4 | 7.8 | 10.4 | 25.2 | 12.8 | 8.8 | 22.6 |
| Spring Turkey | 4.8 | 12.1 | 6.4 | 7.1 | 18.7 | 11.9 | 10.6 | 33.2 |
| Bear | 3.3 | 33.9 | 11.0 | 9.6 | 16.0 | 8.5 | 6.4 | 14.6 |
| Rabbit | 3.5 | 24.8 | 11.6 | 12.2 | 21.1 | 9.8 | 7.8 | 12.7 |
| Gray Squirrel | 3.7 | 20.8 | 9.9 | 12.8 | 22.4 | 12.4 | 9.1 | 12.6 |
| Fox Squirrel | 3.0 | 37.1 | 11.6 | 11.6 | 16.8 | 8.5 | 5.4 | 8.9 |
| Ruffed Grouse | 2.8 | 42.1 | 13.0 | 9.8 | 14.3 | 6.2 | 5.2 | 9.4 |
| Quail | 2.9 | 40.6 | 13.3 | 10.3 | 14.9 | 5.4 | 5.7 | 10.0 |
| Woodcock | 2.3 | 53.4 | 15.4 | 9.5 | 9.8 | 3.4 | 2.2 | 6.3 |
| Raccoon | 2.6 | 48.8 | 12.5 | 9.7 | 11.0 | 5.1 | 3.8 | 9.0 |
| Fox | 2.9 | 42.0 | 12.3 | 9.2 | 13.1 | 6.6 | 5.7 | 11.1 |
| Waterfowl | 3.1 | 44.0 | 10.0 | 8.1 | 10.5 | 5.5 | 5.7 | 16.4 |
| Mean score, where 1=Not at all important; 4=Moderately Important; 7=Extremely Important | | | | | | | | |

Table 46. Responses of hunters to statement 'Please indicate the number of days spent during the 2008-2009 hunting season on each of these types of land. ' (Q21)

| Type of land | Mean number of days hunted |
|--------------------|----------------------------|
| National Forest | 3.07 |
| Military Land | 0.24 |
| WMA's | 0.64 |
| State Parks | 0.15 |
| State Forest | 0.32 |
| Private Land | 19.5 |
| Shooting Preserves | 0.10 |

Table 47. Responses to the question, 'Did you hunt with a dog during the 2008-2009 hunting season?' (Q22)

| | Responses (%) |
|--|----------------------|
| Yes | 39.4 |
| No | 60.6 |
| If yes, which species did you hunt while using a dog? | Responses (%) |
| Deer | 63.9 |
| Bear | 7.6 |
| Rabbit | 36.1 |
| Waterfowl | 11.1 |
| Raccoon | 13.1 |
| Quail | 7.1 |
| Fox | 5.0 |
| Bobcat | 0.9 |
| Squirrel | 5.9 |
| Turkey | 4.7 |
| Other | 6.6 |

Table 48. Responses to the question, 'Did you hunt during the 2008 June squirrel season?' (Q23)

| | Responses (%) |
|--|---------------|
| Yes | 5.6 |
| No | 94.4 |
| If yes, did you harvest a squirrel? | Yes 81.7 |

Table 49. Responses to the question, 'Did you hunt turkey during the 2008 fall season?' (Q24)

| | Responses (%) |
|---|----------------------|
| Yes | 38.4 |
| No | 61.6 |
| If yes, which best describes your hunts? (Q24a) | Responses (%) |
| Hunted primarily for turkey | 20.7 |
| Hunted primarily for small game, but also interested in harvesting a turkey | 4.7 |
| Hunted primarily for deer, but also interested in harvesting a turkey | 74.6 |
| If you did not hunt turkeys, why not? (Q24b) | |
| Wanted to save my tags for spring gobbler season | 5.2 |
| Hunted deer instead | 37.5 |
| Hunted small game instead | 3.6 |
| Chose to pursue other hobbies instead of fall turkey hunting | 6.2 |
| Not enough time | 19.8 |
| Not interested | 18.9 |
| Other reasons | 8.8 |

Table 50. Responses to the question, 'If you did not hunt turkey during the Fall 2008 season, what can DGIF do to increase your interest in fall turkey hunting?' (Q25)

| | Responses (%) |
|--|----------------------|
| Add a fall-only tag | 14.0 |
| Open the fall turkey season earlier to reduce overlap with deer muzzleloader | 36.2 |
| Extend the fall turkey season later into January | 42.0 |

Table 51. Responses to the statement, 'Some areas with low turkey densities have experienced long-term declines in turkey populations. Reducing the fall either-sex season may increase hen survival and promote higher populations. Would you support reducing the current 6-week fall season to a 2-week fall season in the following areas to increase turkey populations?' (Q26)

| | Responses (%) |
|--|----------------------|
| Northern Piedmont (e.g., Albemarle, Greene, Madison, Orange) | 27.8 |
| Southwest (e.g., Dickenson, Wise, Lee, Scott, Russell) | 25.9 |
| Central Mountain (e.g., Rockingham, Augusta, Bath, Highland) | 28.7 |
| Other areas of concern | 11.9 |
| I do not support reducing the current fall season in any of these counties | 38.3 |

| Table 52. Perceptions of fall turkey hunters regarding overall quality of 2008 fall turkey season (Q28) | | | | | | |
|---|---------|------|------|------|------|--|
| | Regions | | | | | |
| Statewide | 1 | 2 | 3 | 4 | 5 | |
| 3.43 | 3.53 | 3.59 | 3.49 | 2.93 | 3.59 | |
| Mean scores, where 1=Poor, 4=Adequate, 7=Excellent | | | | | | |

| Table 53. Perceptions of spring turkey hunters regarding overall quality of 2009 spring turkey season (Q30) | | | | | | |
|---|---------|------|------|------|------|--|
| | Regions | | | | | |
| Statewide | 1 | 2 | 3 | 4 | 5 | |
| 4.06 | 4.62 | 4.45 | 3.91 | 3.40 | 4.10 | |
| Mean scores, where 1=Poor, 4=Adequate, 7=Excellent | | | | | | |

| Table 54. Responses to the question, 'Did you take a youth hunting on the 2009 youth turkey hunting day--April 4, 2009?' (Q31) | | |
|--|-----|---------------|
| | | Responses (%) |
| | Yes | 13.8 |
| | No | 86.2 |

| Table 55. Responses to the statement, 'How would you rate wildlife populations of each species on National Forest lands in Virginia:' (Q32) | | | | | | | | |
|---|---------------|-----|-----|------|-----|-----|------|------|
| | Responses (%) | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Deer | 6.0 | 3.6 | 6.7 | 12.3 | 8.9 | 6.9 | 11.0 | 44.6 |
| Fall Turkey | 5.0 | 4.5 | 7.5 | 14.8 | 7.0 | 3.7 | 4.6 | 53.0 |
| Spring Turkey | 4.1 | 3.8 | 8.2 | 12.3 | 7.2 | 3.7 | 4.6 | 56.0 |
| Bear | 3.9 | 2.9 | 7.2 | 12.3 | 6.3 | 5.1 | 6.0 | 56.2 |
| Grouse | 10.6 | 6.2 | 8.1 | 7.5 | 3.8 | 2.3 | 1.6 | 60.1 |
| Squirrel | 1.7 | 1.8 | 1.6 | 9.9 | 6.3 | 9.4 | 17.6 | 51.6 |
| 1=Poor; 4=Adequate; 7=Excellent; 8=Don't Know | | | | | | | | |

Table 56. Responses to the statement, 'Please indicate your level of agreement or disagreement with the following statements about NATIONAL FORESTS:' (Q33)

| | Mean Score | Responses (%) | | | | | | |
|--|------------|---------------|------|------|------|------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Gaining access to suitable hunting is no problem | 4.52 | 12.2 | 6.9 | 8.2 | 21.2 | 14.8 | 14.7 | 22.0 |
| Ruffed grouse populations provide good hunting | 3.37 | 17.5 | 12.6 | 9.5 | 46.6 | 7.0 | 3.5 | 3.3 |
| Gray squirrel populations provide good hunting | 4.90 | 3.1 | 4.0 | 4.3 | 33.6 | 17.9 | 17.5 | 19.6 |
| Fox squirrel populations provide good hunting | 4.17 | 6.7 | 6.9 | 9.0 | 44.3 | 14.2 | 10.3 | 8.5 |
| Deer populations provide good hunting | 4.35 | 9.6 | 8.1 | 13.4 | 20.2 | 18.2 | 15.6 | 14.8 |
| Turkey populations provide good hunting | 4.12 | 7.5 | 9.9 | 13.9 | 31.3 | 16.1 | 11.1 | 10.1 |
| Bear populations provide good hunting | 4.36 | 6.3 | 5.8 | 9.3 | 39.5 | 13.4 | 13.8 | 11.8 |
| Fox populations provide good hunting | 3.72 | 7.2 | 9.6 | 10.3 | 59.9 | 5.8 | 4.7 | 2.5 |
| Raccoon populations provide good hunting | 4.08 | 4.2 | 5.4 | 8.1 | 61.6 | 7.7 | 6.8 | 6.1 |
| I feel reasonably safe while hunting | 5.08 | 6.5 | 4.3 | 5.5 | 17.7 | 15.9 | 23.7 | 26.3 |
| Compared to other types of land, hunter numbers are fewer | 3.92 | 15.1 | 11.9 | 13.1 | 24.6 | 10.6 | 10.9 | 13.9 |
| I enjoy hunting in remote areas | 5.96 | 1.8 | 1.0 | 1.3 | 13.4 | 9.3 | 23.6 | 49.5 |
| I don't have to worry about locations of property lines | 4.84 | 9.8 | 5.5 | 5.8 | 23.5 | 9.6 | 17.5 | 28.4 |
| I like to have a large hunting area where I can scout and explore | 5.97 | 1.5 | 1.0 | 1.2 | 13.4 | 11.7 | 21.0 | 50.3 |
| I have no other land where I can hunt | 3.53 | 27.8 | 9.5 | 8.0 | 26.3 | 7.4 | 6.7 | 14.2 |
| It is easier to spend time with my hunting companions | 4.63 | 6.4 | 4.5 | 5.2 | 40.4 | 9.9 | 14.3 | 19.3 |
| I don't have to worry about getting permission to hunt | 5.50 | 6.2 | 1.5 | 2.5 | 19.5 | 8.5 | 19.9 | 41.9 |
| There are abundant opportunities to see other wildlife while hunting | 5.02 | 5.0 | 2.5 | 7.0 | 26.9 | 15.3 | 16.3 | 27.2 |
| Forest management practices benefit wildlife | 5.00 | 7.5 | 3.3 | 5.7 | 26.0 | 11.3 | 15.0 | 31.2 |
| Lands are close to my home | 4.78 | 9.9 | 7.4 | 5.9 | 21.3 | 11.2 | 15.7 | 28.5 |
| Mean score, where 1=Strongly Disagree; 4=Neither agree nor disagree; 7=Strongly Agree | | | | | | | | |

Table 57. Responses to the statement, 'Please indicate your level of agreement or disagreement with the following statements about WILDLIFE MANAGEMENT AREAS:' (Q34)

| | Mean Score | Responses (%) | | | | | | |
|--|------------|---------------|------|------|------|------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Gaining access to suitable hunting is no problem | 4.49 | 11.5 | 8.5 | 6.7 | 23.9 | 12.7 | 15.5 | 21.2 |
| Dove populations provide good hunting | 3.64 | 13.4 | 10.2 | 6.2 | 53.4 | 7.5 | 4.3 | 4.9 |
| Quail populations provide good hunting | 3.27 | 21.3 | 10.5 | 5.6 | 53.4 | 3.9 | 2.0 | 3.3 |
| Ruffed grouse populations provide good hunting | 3.35 | 19.5 | 8.1 | 8.1 | 53.7 | 6.4 | 2.0 | 2.3 |
| Gray squirrel populations provide good hunting | 4.61 | 5.9 | 3.6 | 3.6 | 43.2 | 11.9 | 17.5 | 14.2 |
| Fox squirrel populations provide good hunting | 3.95 | 8.4 | 6.4 | 6.7 | 56.5 | 9.7 | 7.4 | 5.0 |
| Deer populations provide good hunting | 4.51 | 7.1 | 5.0 | 9.6 | 30.3 | 17.6 | 17.0 | 13.3 |
| Turkey populations provide good hunting | 4.32 | 5.1 | 5.8 | 9.9 | 38.3 | 21.4 | 10.9 | 8.6 |
| Bear populations provide good hunting | 3.96 | 8.8 | 5.5 | 8.5 | 54.4 | 9.8 | 7.2 | 5.9 |
| Fox populations provide good hunting | 3.80 | 6.4 | 7.1 | 8.1 | 65.2 | 7.4 | 3.0 | 2.7 |
| Raccoon populations provide good hunting | 3.95 | 6.4 | 4.7 | 8.4 | 63.4 | 7.0 | 5.4 | 4.7 |
| I feel reasonably safe while hunting | 4.85 | 4.0 | 5.6 | 10.2 | 23.2 | 15.8 | 21.4 | 19.8 |
| Compared to other types of land, hunter numbers are fewer | 3.70 | 18.1 | 13.1 | 10.6 | 27.2 | 11.3 | 8.8 | 10.9 |
| I enjoy hunting in remote areas | 5.62 | 2.8 | 1.2 | 1.6 | 21.7 | 11.2 | 20.8 | 40.7 |
| I don't have to worry about locations of property lines | 4.49 | 12.6 | 4.9 | 6.2 | 28.9 | 11.7 | 15.7 | 20.0 |
| I like to have a large hunting area where I can scout and explore | 5.71 | 2.5 | 0.0 | 1.9 | 21.7 | 11.5 | 18.0 | 44.4 |
| I have no other land where I can hunt | 3.61 | 26.5 | 8.5 | 7.9 | 28.4 | 6.3 | 7.9 | 14.5 |
| It is easier to spend time with my hunting companions | 4.53 | 6.0 | 2.9 | 4.1 | 46.3 | 14.3 | 12.4 | 14.0 |
| I don't have to worry about getting permission to hunt | 5.16 | 7.5 | 2.5 | 2.5 | 26.5 | 8.4 | 20.6 | 32.1 |
| There are abundant opportunities to see other wildlife while hunting | 4.77 | 5.6 | 3.8 | 6.0 | 29.8 | 20.7 | 15.7 | 18.5 |
| Forest management practices benefit wildlife | 5.21 | 5.6 | 3.1 | 4.0 | 23.3 | 12.1 | 19.3 | 32.6 |
| Agricultural management practices benefit wildlife | 5.37 | 4.4 | 2.5 | 1.9 | 24.4 | 13.1 | 17.2 | 36.6 |
| Lands are close to my home | 4.79 | 6.1 | 4.3 | 7.0 | 30.3 | 14.4 | 15.6 | 22.3 |
| Mean score, where 1=Strongly Disagree; 4=Neither agree nor disagree; 7=Strongly Agree | | | | | | | | |

Table 58. Responses to the question, 'Even if you are not a bear hunter, what advice would you give to VDGIF regarding how to manage bear populations?' (Q35)

| | Responses (%) |
|-------------------------------|----------------------|
| Increase the population size | 28.3 |
| Stabilize the population size | 29.8 |
| Decrease the population size | 5.9 |
| No opinion | 36.1 |

Table 59. Responses to the question, 'If you killed a black bear during any of the 2008-2009 hunting seasons, did you kill it while:' (Q36)

| | Responses (%) |
|-------------------------|----------------------|
| Deer hunting? | 44.2 |
| Hunting for other game? | 9.3 |
| Hunting for bears? | 46.5 |

Table 60. Responses to the question, 'During the 2008-2009 bear season, did you:' (Q37)

| | Responses (%) | |
|--------------------------------------|----------------------|-----------|
| | Yes | No |
| Hunt during the bear archery season? | 62.1 | 37.9 |
| Hunt during the bear muzzleloader | 44.0 | 56.0 |
| Hunt with a gun without dogs | 78.9 | 21.1 |
| Hunt with a gun using dogs | 35.7 | 64.3 |

Table 61. Responses to the question, 'Did you participate in the 2008 bear chase season?' (Q38)

| | Responses (%) | |
|--|----------------------|-----------|
| | Yes | No |
| | 18.7 | 81.3 |

| Table 62. Responses to the question, 'How would you rate the size of the deer herd in the area in which you hunted most in 2008-2009:' (Q39) | | | | | | |
|--|-----------|---------|------|------|------|------|
| | | Regions | | | | |
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| | 4.70 | 5.14 | 4.78 | 4.32 | 3.68 | 5.12 |
| Mean scores, where 1=Low, 4=Moderate, 7=High | | | | | | |

| Table 63. Responses to the statement, 'When compared to previous years, would you say the number of deer in the area you hunted in 2008-2009:' (Q40) | | | | | | |
|--|-----------|---------|------|------|------|------|
| Responses (%) | | Regions | | | | |
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| Declined dramatically | 4.8 | 3.1 | 3.2 | 5.1 | 12.8 | 3.9 |
| Declined | 18.2 | 11.4 | 16.5 | 24.1 | 30.6 | 16.8 |
| Remained about the same | 48.4 | 52.8 | 53.7 | 48.1 | 42.3 | 48.2 |
| Increased | 20.1 | 21.3 | 20.3 | 18.6 | 9.8 | 24.6 |
| Increased dramatically | 4.8 | 8.0 | 4.9 | 2.7 | 1.9 | 3.9 |
| No opinion | 3.6 | 3.4 | 1.5 | 1.4 | 2.6 | 2.7 |

| Table 64. Responses to the statement, 'What advice would you give to VDGF regarding how to manage the deer herd?' (Q41) | | | | | | |
|---|-----------|---------|------|------|------|------|
| Responses (%) | | Regions | | | | |
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| Increase the herd | 24.3 | 16.2 | 24.6 | 32.6 | 42.2 | 16.6 |
| Stabilize the herd | 44.4 | 52.6 | 44.0 | 44.0 | 36.9 | 50.0 |
| Decrease the herd | 18.4 | 17.1 | 19.4 | 16.2 | 9.1 | 21.4 |
| No opinion | 12.8 | 14.0 | 12.0 | 7.2 | 11.8 | 12.0 |

| Table 65. Responses to the question, 'In the past year, would you say you've heard a great deal, a moderate amount, a little, or nothing about Chronic Wasting Disease (CWD)?' (Q42) | | | | | | |
|--|-----------|---------|------|------|------|------|
| Responses (%) | | Regions | | | | |
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| A great deal | 7.9 | 5.9 | 7.0 | 8.1 | 15.4 | 7.5 |
| A moderate amount | 25.8 | 24.4 | 21.7 | 30.2 | 31.5 | 29.0 |
| A little | 39.6 | 38.6 | 43.0 | 39.7 | 37.8 | 36.8 |
| Nothing | 20.8 | 27.8 | 22.6 | 16.9 | 11.6 | 20.4 |
| Don't know | 5.9 | 3.4 | 5.7 | 5.1 | 3.7 | 6.3 |

Table 66. Responses to the statement, 'Please indicate your level of support for a deer hound training season outside of the deer firearms season.' (Q43)

| | | Regions | | | | |
|---|-----------|---------|------|------|------|------|
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| | 3.36 | 4.31 | 3.88 | 2.30 | 2.28 | 3.42 |
| Mean scores, where 1=Strongly oppose, 4=Neither oppose nor support, 7=Strongly support | | | | | | |

Table 67. Responses to the statement, 'If a deer hound training season were established, please indicate your level of support or opposition for each of the following periods when the season could be held:' (Q43)

| | | Regions | | | | |
|---|-----------|---------|------|------|------|------|
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| September (4 weeks) | 2.84 | 3.52 | 3.19 | 2.10 | 2.04 | 2.74 |
| Mid-August to September (6 weeks) | 2.79 | 3.40 | 3.20 | 2.11 | 1.97 | 2.68 |
| October (4 weeks) | 2.31 | 2.72 | 2.64 | 1.73 | 1.71 | 2.12 |
| October to mid-November (6 weeks) | 2.17 | 2.53 | 2.42 | 1.75 | 1.59 | 2.01 |
| October, Sundays and nights only | 2.25 | 2.54 | 2.48 | 1.76 | 1.75 | 2.13 |
| January-March (12 weeks) | 3.10 | 3.61 | 3.62 | 2.40 | 2.16 | 3.22 |
| Mean scores, where 1=Strongly oppose, 4=Neither oppose nor support, 7=Strongly support | | | | | | |

Table 68. Perceptions of deer hunters regarding the overall quality of the 2008-2009 deer seasons (Q45)

| | | Regions | | | | |
|---|-----------|---------|------|------|------|------|
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| Archery | 4.53 | 4.97 | 4.65 | 4.16 | 4.04 | 4.72 |
| Muzzleloader | 4.53 | 4.98 | 4.83 | 4.17 | 3.70 | 4.91 |
| Firearms | 4.64 | 5.19 | 4.91 | 4.03 | 3.68 | 4.98 |
| Mean scores, where 1=Poor, 4=Adequate, 7=Excellent | | | | | | |

Table 69. Responses to the statement, 'Please indicate the number of days you hunted deer during the firearms season on each of the following land types during the 2008-2009 season.' (Q46)

| | Regions | | | | | |
|--------------------------------------|-----------|-------|-------|-------|-------|-------|
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| National Forest Lands | 2.10 | 0.26 | 0.83 | 4.70 | 5.82 | 0.38 |
| State Wildlife | 0.55 | 0.63 | 0.67 | 0.32 | 0.58 | 0.60 |
| Private Land | 11.42 | 10.44 | 12.51 | 10.32 | 10.05 | 13.04 |
| Corporate Land | 0.08 | 0.21 | 0.14 | 0.00 | 0.00 | 0.00 |
| Military Lands | 0.17 | 0.19 | 0.08 | 0.06 | 0.04 | 0.55 |
| Hunt Club (on leased private land) | 4.62 | 10.55 | 6.10 | 0.75 | 0.71 | 3.90 |
| Hunt Club (on leased corporate land) | 1.55 | 3.58 | 2.25 | 0.10 | 0.08 | 1.22 |
| Other | 0.26 | 0.37 | 0.28 | 0.16 | 0.13 | 0.03 |

Table 70. Responses to the question, 'If you had the opportunity while hunting specifically for deer, would you kill a bear?' (Q47)

| | Responses (%) | |
|--|---------------|------|
| | Yes | No |
| | 70.3 | 29.7 |

Table 71. Responses to the question, 'The last time you had the opportunity to kill a bear, what happened?:' (Q48)

| | Responses (%) |
|--|---------------|
| Although the bear was legal, I chose not to kill it | 22.4 |
| I passed it up because it was too small (i.e., less than 100 pounds) | 9.2 |
| I passed it up because I was uncertain if it was legal weight | 8.6 |
| I passed it up because it was a female with cubs | 8.8 |
| I attempted to kill it (either harvested, missed, or wounded the bear) | 4.8 |

Table 72. Responses to the question, 'While gun deer hunting during the 2008-2009 season were you disturbed by:' (Q49)

| Responses (%) | Regions | | | | | |
|---------------------|-----------|------|------|------|------|------|
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| Hunting dogs | 27.7 | 27.2 | 32.2 | 24.4 | 21.4 | 30.6 |
| Other hunters | 40.7 | 28.2 | 36.2 | 49.8 | 53.0 | 41.2 |
| Other outdoor users | 24.9 | 19.8 | 20.5 | 24.4 | 32 | 30.6 |

Table 73. Responses to the statement, 'While gun deer hunting, how concerned are you about disturbance from:' (Q50)

| | Regions | | | | | |
|---------------------|-----------|------|------|------|------|------|
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| Hunting dogs | 3.46 | 2.84 | 3.21 | 3.99 | 4.23 | 3.39 |
| Other hunters | 4.11 | 3.73 | 3.89 | 4.59 | 4.47 | 4.13 |
| Other outdoor users | 3.85 | 3.68 | 3.61 | 3.97 | 4.14 | 4.02 |

Mean scores, where 1=Not at all concerned; 4=Neither concerned nor unconcerned; 7=Very concerned

Table 74. Responses to the statement, 'If you were asked to help set the yearly antlered buck limit for deer, please indicate the degree to which you would oppose or support each of the following bag limits:' (Q51)

| | Regions | | | | | |
|-----------------------------------|-----------|------|------|------|------|------|
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| One antlered buck per year | 2.61 | 2.32 | 2.04 | 2.86 | 3.57 | 2.65 |
| Two antlered bucks per year | 4.11 | 3.77 | 3.61 | 4.57 | 4.84 | 4.13 |
| Three antlered bucks per year | 4.06 | 4.53 | 4.20 | 3.92 | 3.22 | 4.18 |
| Four antlered bucks per year | 2.96 | 3.59 | 3.36 | 2.29 | 1.96 | 3.14 |
| Unlimited antlered buck bag limit | 2.01 | 2.10 | 2.29 | 1.59 | 1.63 | 1.98 |

Mean scores, where 1=Strongly Oppose, 4=Does not matter, 7=Strongly Support

Table 75. Responses to the statement, 'If you were asked to help set the opening date for archery deer season, please indicate the degree to which you support or oppose each of the following dates:' (Q52)

| | Regions | | | | | |
|---------------------------|-----------|------|------|------|------|------|
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| 1st Saturday in September | 3.46 | 3.69 | 3.54 | 3.00 | 2.98 | 3.80 |
| 2nd Saturday in September | 3.42 | 3.75 | 3.52 | 3.03 | 3.07 | 3.55 |
| 3rd Saturday in September | 3.71 | 3.81 | 3.85 | 3.32 | 3.46 | 4.02 |
| 4th Saturday in September | 3.99 | 4.04 | 4.02 | 3.95 | 3.94 | 4.02 |
| 1st Saturday in October | 4.94 | 4.78 | 4.85 | 5.23 | 5.39 | 4.65 |

Mean scores, where 1=Strongly Oppose, 4=Does not matter, 7=Strongly Support

| Table 76. Responses to the statement, 'Please indicate the degree to which you would support or oppose a reduction in the harvest of antlered bucks so that more bucks in the population will become older and larger:' (Q53) | | | | | | |
|--|------------------|----------------|----------|----------|----------|----------|
| | | Regions | | | | |
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| | 4.64 | 4.29 | 4.50 | 4.55 | 5.22 | 4.66 |
| Mean scores, where 1=Strongly Oppose, 4=Does not matter, 7=Strongly Support | | | | | | |

| Table 77. Responses to the statement, 'In order to reduce the harvest of antlered bucks so that more bucks in the population would become older and larger, please indicate the degree to which you would favor or oppose:' (Q54) | | | | | | |
|--|------------------|----------------|----------|----------|----------|----------|
| | | Regions | | | | |
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| Voluntary restraint on the part of hunters to pass young bucks | 5.43 | 5.65 | 5.30 | 5.29 | 5.39 | 5.54 |
| Education to assist hunters in passing up young bucks | 5.53 | 5.57 | 5.48 | 5.42 | 5.55 | 5.75 |
| A requirement for hunters to pass up young bucks (based on antler criteria) | 4.67 | 4.30 | 4.56 | 4.74 | 5.25 | 4.54 |
| Mean scores, where 1=Strongly Oppose, 4=Does not matter, 7=Strongly Support | | | | | | |

| Table 78. Responses to the statement, 'If you were asked to help set regulations to reduce the antlered buck harvest in the area where you hunt, to what extent would you favor or oppose each of the following approaches:' (Q55) | | | | | | |
|---|------------------|----------------|----------|----------|----------|----------|
| | | Regions | | | | |
| | Statewide | 1 | 2 | 3 | 4 | 5 |
| Legal bucks must have at least a 15 inch outside antler spread | 3.23 | 3.39 | 3.21 | 3.23 | 3.14 | 3.20 |
| All legal bucks for the license year must have at least 4 points on one side | 3.46 | 3.13 | 3.42 | 3.61 | 3.79 | 3.40 |
| At least one legal buck for the license year must have at least 4 points on one side | 4.41 | 4.19 | 4.43 | 4.37 | 4.78 | 4.33 |
| Reduce the yearly antlered buck limit | 3.51 | 3.07 | 3.28 | 3.37 | 4.28 | 3.73 |
| Delay opening of deer gun season until after the peak rut | 2.18 | 2.36 | 1.93 | 2.05 | 2.45 | 2.25 |
| Mean scores, where 1=Strongly Oppose, 4=Does not matter, 7=Strongly Support | | | | | | |

| Table 79. Responses to the question, 'Did you hunt deer on National Forest land during the 2008-2009 season?' (Q56) | | |
|---|--|----------------------|
| | | Responses (%) |
| | Yes | 27.4 |
| | No | 72.6 |
| | If yes, when compared to previous years, would you say the number of deer on National Forest lands you hunted during 2008-2009: | Responses (%) |
| | Declined dramatically | 15.2 |
| | Declined | 31.3 |
| | Remained about the same | 39.1 |
| | Increased | 9.5 |
| | Increased dramatically | 0.7 |
| | No opinion | 4.2 |

| Table 80. Responses to the question, 'Did you hunt on DMAP enrolled lands during the 2008-2009 hunting season?' (Q57) | | |
|---|---|----------------------|
| | | Responses (%) |
| | Yes | 13.9 |
| | No | 86.1 |
| | | Mean |
| | If yes, how do you rate the quality of your 2008-2009 hunting on DMAP lands? | 5.25 |
| Mean scores, where 1=Poor, 4=Adequate, 7=Excellent | | |

| Table 81. Responses to the question, 'Are you familiar with the regulatory input process DGIF has been conducting since September 2008?' (Q58) | | |
|--|--|----------------------|
| | | Responses (%) |
| | Yes | 12.2 |
| | No | 87.8 |
| | If yes, have you participated in the current regulations process? | Responses (%) |
| | Yes | 41.1 |
| | No | 58.9 |
| | If yes, how did you participate? | Responses (%) |
| | Attended meeting | 41.2 |
| | Attended meeting and submitted a comment | 22.4 |
| | Commented using online form | 36.5 |
| | Emailed comments | 21.2 |
| | Sent letter to DGIF | 10.6 |

| Table 82. Responses to the question, 'How old are you?' (Q59) | |
|---|---------------------|
| | Years (Mean) |
| | 45.8 |

| Table 83. Responses to the question, 'Are you Male or Female?' (Q60) | | |
|--|--------|----------------------|
| | | Responses (%) |
| | Male | 95.9 |
| | Female | 4.1 |

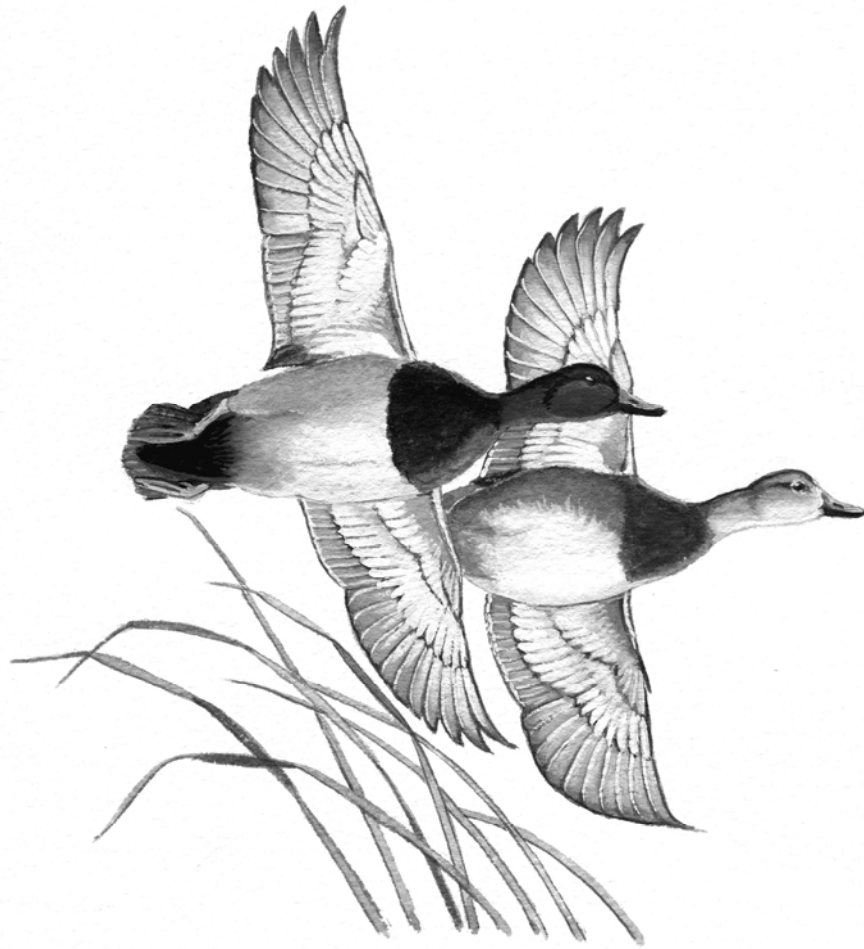
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APPENDIX A

SURVEY INSTRUMENT

**2008-2009
Virginia Hunter Survey**



Virginia Department of Game and Inland Fisheries

Virginia Department of Game and Inland Fisheries

Hunter Survey

Please answer each of the following questions completely. Results from the study will be reported only as a combined total. No individual responses will be reported.

1. Did you purchase a Virginia resident hunting license for the 2008-2009 hunting season (July 1, 2008-June 30, 2009)?

Yes

(If no, do not go any further. Please place the questionnaire in the return envelope and return it as soon as possible. Thank you for your time)

2. What type(s) of licenses did you purchase? (✓ all that apply)

- State resident license (allowing you to hunt statewide)
- County/City license (allowing you to hunt only in the county/city where purchased)
- Senior license (for residents 65 years or older)
- Big game license (deer, bear, and turkey)
- Sportsman's License (combined hunting and fishing)
- Archery license
- Muzzleloading license
- Crossbow license
- Other (please specify) _____

INSTRUCTIONS:

- In each box below, record the number of animals you personally harvested in 2008-2009. Be as accurate as possible.
- Do not include game taken by anyone other than yourself
- If you hunted an animal, but were unsuccessful, place a zero (0) in the space.
- If you did not hunt a particular animal, leave the space blank.

The following questions relate to the number of game animals you harvested during the 2008-2009 hunting season.

3. Small Game (Birds) Harvest:

| Dove | Quail | Woodcock | Ruffed Grouse | Crow |
|------|-------|----------|---------------|------|
| | | | | |

4. Small Game (Mammals) Harvest:

| Rabbit | Gray Squirrel | Fox Squirrel | Groundhog/Woodchuck |
|--------|---------------|--------------|---------------------|
| | | | |

5. Big Game Harvest:

| Deer | | | | | | Turkey | | Bear |
|------------------|------|--------------|------|-------|------|-----------|-------------|------|
| Archery/Crossbow | | Muzzleloader | | Gun | | Fall 2008 | Spring 2009 | |
| Bucks | Does | Bucks | Does | Bucks | Does | | | |
| | | | | | | | | |

6. Waterfowl Harvest:

| Ducks | | | | Geese | |
|---------|-----------|-------|------------|------------------|-----------------------|
| Mallard | Wood Duck | Black | All others | September Season | November-March Season |
| | | | | | |

7. Furbearer Harvest (only include animals you hunted, do not include animals you trapped):

| Red Fox | Gray Fox | Coyote | Raccoon | Bobcat |
|---------|----------|--------|---------|--------|
| | | | | |

The following questions relate to the amount of time you spent afield. Below, **please indicate the number of days in which each species was the PRIMARY animal you hunted.** Count partial days as 1 day hunted.

8. Small Game (Birds) Days Hunted:

| Dove | Quail | Woodcock | Ruffed Grouse | Crow |
|------|-------|----------|---------------|------|
| | | | | |

9. Small Game (Mammals) Days Hunted:

| Rabbit | Gray Squirrel | Fox Squirrel | Groundhog/Woodchuck |
|--------|---------------|--------------|---------------------|
| | | | |

10. Big Game Days Hunted:

| Deer | | | Turkey | | Bear |
|------------------|--------------|-----|---------|-----------|------|
| Archery/Crossbow | Muzzleloader | Gun | Fall 08 | Spring 09 | |
| | | | | | |

11. Waterfowl Days Hunted:

| Ducks | Geese | |
|-------|------------------|-----------------------|
| | September Season | November-March Season |
| | | |

12. Furbearer Days Hunted:

| Red Fox | Gray Fox | Coyote | Raccoon | Bobcat |
|---------|----------|--------|---------|--------|
| | | | | |

Using the map at the bottom of this page, **indicate in each box below the region of the state where you MOST OFTEN hunted each species.** If you did not hunt a species, leave the space blank.

13. Small Game (Birds) Region Hunted:

| Dove | Quail | Woodcock | Ruffed Grouse | Crow |
|------|-------|----------|---------------|------|
| | | | | |

14. Small Game (Mammals) Region Hunted:

| Rabbit | Gray Squirrel | Fox Squirrel | Groundhog/Woodchuck |
|--------|---------------|--------------|---------------------|
| | | | |

15. Big Game Region Hunted:

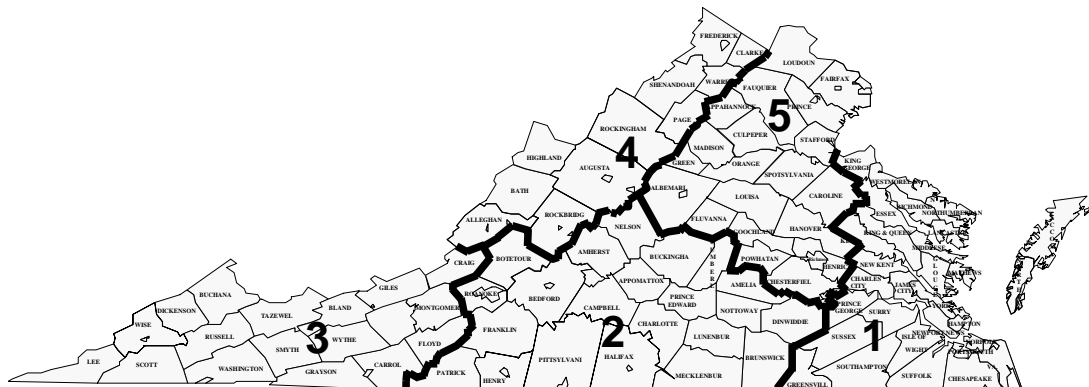
| Deer | | | Turkey | | Bear |
|------------------|--------------|-----|---------|-----------|------|
| Archery/Crossbow | Muzzleloader | Gun | Fall 08 | Spring 09 | |
| | | | | | |

16. Waterfowl Region Hunted:

| Ducks | Geese | |
|-------|------------------|-----------------------|
| | September Season | November-March Season |
| | | |

17. Furbearer Region Hunted:

| Red Fox | Gray Fox | Coyote | Raccoon | Bobcat |
|---------|----------|--------|---------|--------|
| | | | | |



18. During the 2008-2009 hunting season, did you take a new hunter (youth or adult) hunting in Virginia?
 Yes No

If yes, how many new hunters did you take? _____ Hunters

19. Are you aware of the new **Apprentice Hunting License** that exempts a new hunter from the hunter education course if they are accompanied by a licensed hunter?
 Yes No

20. Please indicate the level of importance you place on hunting each of the following species:

| | Not at all Important | | Moderately Important | | | Extremely Important | |
|---------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Deer | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Fall Turkey | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Spring Turkey | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Bear | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Rabbit | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Gray Squirrel | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Fox Squirrel | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Grouse | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Quail | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Woodcock | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Raccoon | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Fox | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Waterfowl | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |

21. Please indicate the number of days spent during the 2008-2009 hunting season on each of these types of land. If you did not hunt on a type of land, please indicate that you hunted **0 days** for that category.

- a. National Forest: _____ Days
- b. Military Lands: _____ Days
- c. VDGIF WMA's: _____ Days
- d. State Parks: _____ Days
- e. State Forest: _____ Days
- f. Private Lands: _____ Days
- g. Shooting Preserves: _____ Days

22. Did you hunt with a dog during the 2008-2009 hunting season?
 Yes No

If yes, which species did you hunt while using a dog? (✓ all that apply)

- Deer
- Bear
- Rabbit
- Waterfowl
- Raccoon
- Quail
- Fox
- Bobcat
- Squirrel
- Turkey
- Other

23. Did you hunt during the **2008 June squirrel** season?
 Yes No

If yes, did you harvest a squirrel?
 Yes No

The next few questions ask your views about **FALL TURKEYS, regardless of the species you hunted.**

24. Did you hunt turkey during the 2008 fall season?

- Yes No (Skip to Question 24b)

24a. If **you hunted turkeys in the 2008 fall season**, which best describes your hunts: (✓ only one)

- Hunted primarily for turkey
 Hunted primarily for small game (e.g., squirrel) but also interested in harvesting a turkey
 Hunted primarily for deer but also interested in harvesting a turkey

24b. If you **did not hunt turkeys in the 2008 fall season**, why not?(✓ only one)

- Wanted to save my tags for spring gobbler season
 Hunted deer instead
 Hunted small game instead
 Chose to pursue other hobbies instead of fall turkey hunting
 Not enough time
 Not interested
 Other reasons

25. If you did not hunt turkey during the **Fall 2008** season, what can DGIF do to increase your interest in fall turkey hunting?

- Add a fall-only tag
 Open the fall turkey season earlier to reduce overlap with deer muzzleloader
 Extend the fall turkey season later into January

26. Some areas with low turkey densities have experienced long-term declines in turkey populations. Reducing the fall either-sex season may increase hen survival and promote higher population. Would you support **reducing the current 6-week fall season to a 2-week fall season** in the following areas to increase turkey populations?

- Northern Piedmont (e.g., Albemarle, Greene, Madison, Orange)
 Southwest (e.g., Dickenson, Wise, Lee, Scott, and Russell)
 Central Mountain (e.g., Rockingham, Augusta, Bath, Highland)
 Other areas of concern? _____
 I do not support reducing the current fall season in any of these counties

The following questions pertain to Turkey hunting in 2008-2009. **If you did not hunt Turkeys during the 2008-2009 season, skip to Question 32.**

27. Please indicate the county where you most often hunted **Fall Turkeys** during 2008. **If you did not hunt turkeys in the Fall, skip to Question 29.**

_____County

28. Overall, how do you rate the quality of your 2008 Fall turkey season?

- Poor** **Adequate** **Excellent**
¹ ² ³ ⁴ ⁵ ⁶ ⁷

29. Please indicate the county where you most often hunted **Spring Turkeys** during 2009 (Spring turkey season this year). **If you did not hunt turkeys in Spring 2009, skip to Question 32.**

_____County

30. Overall, how do you rate the quality of your 2009 Spring turkey season?

- Poor** **Adequate** **Excellent**
¹ ² ³ ⁴ ⁵ ⁶ ⁷

31. Did you take a youth hunting on the 2009 youth turkey hunting day—April 4, 2009?

- Yes No

32. How would you rate wildlife populations of each species on **National Forest lands** in Virginia:

| | Poor | | | Adequate | | | Excellent | Don't Know |
|---------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Deer | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ | <input type="checkbox"/> ⁸ |
| Fall Turkey | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ | <input type="checkbox"/> ⁸ |
| Spring Turkey | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ | <input type="checkbox"/> ⁸ |
| Bear | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ | <input type="checkbox"/> ⁸ |
| Grouse | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ | <input type="checkbox"/> ⁸ |
| Squirrel | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ | <input type="checkbox"/> ⁸ |

33. Please indicate your level of agreement or disagreement with the following statements about NATIONAL FORESTS. (If you did not hunt on National Forests during the 2008-2009 season, please skip to Question 34).

I hunt on NATIONAL FORESTS because:

| | Strongly Disagree | | Neither agree nor disagree | | | Strongly Agree | |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| a. Gaining access to suitable hunting is no problem. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| b. Ruffed grouse populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| c. Gray Squirrel populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| d. Fox Squirrel populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| e. Deer populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| f. Turkey populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| g. Bear populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| h. Fox populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| i. Raccoon populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| j. I feel reasonably safe while hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| k. Compared to other types of land, hunter numbers are fewer. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| l. I enjoy hunting in remote areas. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| m. I don't have to worry about locations of property lines. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| n. I like to have a large hunting area where I can scout and explore. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| o. I have no other land where I can hunt. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| p. It is easier to spend time with my hunting companions. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| q. I do not have to worry about getting permission to hunt. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| r. There are abundant opportunities to see other wildlife while hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| s. Forest management practices benefit wildlife. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| t. Lands are close to my home. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |

34. Please indicate your level of agreement or disagreement with the following statements about WILDLIFE MANAGEMENT AREAS. (If you did not hunt on Wildlife Management Areas during the 2008-2009 season, please skip to Question 35).

I hunt on WILDLIFE MANAGEMENT AREAS because:

| | Strongly Disagree | | | Neither agree nor disagree | | | Strongly Agree |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| a. Gaining access to suitable hunting is no problem. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| b. Dove populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| c. Quail populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| d. Ruffed grouse populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| e. Gray Squirrel populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| f. Fox Squirrel populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| g. Deer populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| h. Turkey populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| i. Bear populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| j. Fox populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| k. Raccoon populations provide good hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| l. I feel reasonably safe while hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| m. Compared to other types of land, hunter numbers are fewer. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| n. I enjoy hunting in remote areas. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| o. I don't have to worry about locations of property lines. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| p. I like to have a large hunting area where I can scout and explore. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| q. I have no other land where I can hunt. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| r. It is easier to spend time with my hunting companions. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| s. I do not have to worry about getting permission to hunt. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| t. There are abundant opportunities to see other wildlife while hunting. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| u. Forest management practices benefit wildlife. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| v. Agricultural management practices benefit wildlife. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| w. Lands are close to my home. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |

35. Even if you are not a bear hunter, what advice would you give to VDGIF regarding how to **manage bear populations**? (✓ only one)

- Increase the population size
- Stabilize the population size
- Decrease the population size
- No opinion

The following questions pertain to **BEAR** hunting in 2008-2009. **If you did not hunt BEARS during the 2008-2009 season, skip to Question 39.**

36. If you killed a black bear during the 2008-2009 hunting seasons, did you kill it while: (✓ only one)

- Deer Hunting?
- Hunting for other game?
- Hunting specifically for bears?

37. During the 2008-2009 BEAR season, did you:

- Hunt during the Bear Archery season? Yes No
- Hunt during the Bear muzzleloader season? Yes No
- Hunt with a gun without dogs? Yes No
- Hunt with a gun using dogs? Yes No

38. Did you participate in the 2008 bear chase season? Yes No

The next few questions ask your views about **DEER** management, **regardless of the species you hunted.**

39. How would you rate the size of the DEER HERD in the area you hunted most in 2008-2009:

- Low** ¹ ² ³ **Moderate** ⁴ ⁵ ⁶ **High** ⁷

40. When compared to previous years, would you say the number of DEER in the area you hunted in 2008-2009: (✓ only one)

- Declined dramatically
- Declined
- Remained about the same
- Increased
- Increased dramatically
- No opinion

41. What advice would you give to VDGIF regarding how to manage the deer herd? (✓ only one)

- Increase the herd
- Stabilize the herd
- Decrease the herd
- No opinion

42. In the past year, would you say you've heard a great deal, a moderate amount, a little, or nothing about Chronic Wasting Disease (CWD)? (✓ only one)

- A great deal
- A moderate amount
- A little
- Nothing
- Don't Know

43. Please indicate your level of support for a deer hound training season outside of the deer firearms season.
 NOTE: During a training season, deer could be pursued with hounds but not harvested.

Strongly Oppose **Does not Matter** **Strongly Support**
¹ ² ³ ⁴ ⁵ ⁶ ⁷

If a deer hound training season were established, please indicate your level of support or opposition for each of the following periods when the season could be held:

| | Strongly Oppose | | Does not Matter | | Strongly Support |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---|
| a. September (4 weeks) | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ <input type="checkbox"/> ⁶ <input type="checkbox"/> ⁷ |
| b. Mid-August through September (6 weeks) | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ <input type="checkbox"/> ⁶ <input type="checkbox"/> ⁷ |
| c. October (4 weeks) | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ <input type="checkbox"/> ⁶ <input type="checkbox"/> ⁷ |
| d. October through mid-November (6 weeks) | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ <input type="checkbox"/> ⁶ <input type="checkbox"/> ⁷ |
| e. October, Sundays and nights only | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ <input type="checkbox"/> ⁶ <input type="checkbox"/> ⁷ |
| f. January-March (12 weeks) | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ <input type="checkbox"/> ⁶ <input type="checkbox"/> ⁷ |

The following questions pertain to hunting DEER. **If you did not hunt DEER during the 2008-2009 season, skip to Question 58.**

44. Please indicate the county where you most often hunted DEER during the 2008-2009 firearms season.

_____ County

45. Overall, how do you rate the quality of the following DEER seasons during 2008-2009?

| | Poor | | Adequate | | Excellent |
|--------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---|
| Archery | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ <input type="checkbox"/> ⁶ <input type="checkbox"/> ⁷ |
| Muzzleloader | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ <input type="checkbox"/> ⁶ <input type="checkbox"/> ⁷ |
| Firearms | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ <input type="checkbox"/> ⁶ <input type="checkbox"/> ⁷ |

46. In the spaces below, please indicate the number of days you hunted DEER during the firearms season on each of the following land types during the 2008-2009 season.

If you did not hunt on a particular type of land, place a zero (0) in the space.

| | |
|---|---|
| _____ National Forest Lands | _____ Military Lands |
| _____ State Wildlife Management Areas | _____ Hunt Club(s) on leased private land |
| _____ Private land (excluding club or lease) | _____ Hunt Club(s) on leased corporate land |
| _____ Corporate Land (excluding hunt club or leased land) | _____ Other |

47. If you had the opportunity while specifically hunting for deer, would you kill a bear?
 Yes No

48. The last time you had the opportunity to kill a bear, what happened? (check all that apply)

- Although the bear was legal, I chose not to kill it.
- I passed it up because it was too small (i.e., less than 100 pounds).
- I passed it up because I was uncertain if it was legal weight
- I passed it up because it was a female with cubs.
- I attempted to kill it (either harvested, missed, or wounded the bear)

49. While gun deer hunting during the 2008-2009 season, were you disturbed by:

- Hunting Dogs? Yes No
 Other hunters? Yes No
 Other outdoor users? Yes No

50. While gun deer hunting, how concerned are you about disturbance from:

- | | Not at all
Concerned | | Neither concerned
nor unconcerned | | | Very
Concerned | |
|---------------------|---------------------------------------|---------------------------------------|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Hunting Dogs | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Other Hunters | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| Other Outdoor Users | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |

51. If you were asked to help set the **YEARLY ANTLERED BUCK LIMIT** for DEER, please indicate the degree to which you would oppose or support each of the following bag limits:

- | | Strongly
Oppose | | Does not
Matter | | | Strongly
Support | |
|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| a. 1 antlered buck per year | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| b. 2 antlered bucks per year | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| c. 3 antlered bucks per year | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| d. 4 antlered bucks per year | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| e. Unlimited antlered buck bag limit | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |

52. If you were asked to help set the **OPENING DATE for ARCHERY DEER** season, please indicate the degree to which you would support or oppose each of the following dates:

- | | Strongly
Oppose | | Does not
Matter | | | Strongly
Support | |
|------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| a. 1st Saturday in September | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| b. 2nd Saturday in September | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| c. 3rd Saturday in September | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| d. 4th Saturday in September | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| e. 1st Saturday in October | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |

53. Please indicate the degree to which you would support or oppose a **reduction in the harvest of antlered bucks** so that more bucks in the population will become older and larger:

- | | Strongly
Oppose | | Does not
Matter | | | Strongly
Support | |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |

54. In order to reduce the harvest of antlered bucks so that more bucks in the population would become older and larger, please indicate the degree to which you would favor or oppose:

- | | Strongly
Oppose | | Does not
Matter | | | Strongly
Support | |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| a. Voluntary restraint on the part of hunters to pass up young bucks. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| b. Education to assist hunters in passing up young bucks. | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |
| c. A requirement for hunters to pass up young bucks (based on antler criteria). | <input type="checkbox"/> ¹ | <input type="checkbox"/> ² | <input type="checkbox"/> ³ | <input type="checkbox"/> ⁴ | <input type="checkbox"/> ⁵ | <input type="checkbox"/> ⁶ | <input type="checkbox"/> ⁷ |

Thank you for taking the time to complete this survey.
Your answers are very important to the successful management of wildlife in Virginia. If you have questions regarding the study or this questionnaire, please contact the agency's Survey Coordinator, Coren Jagnow at 804-367-0730 or email her at coren.jagnow@dgif.virginia.gov

PLEASE PLACE THE QUESTIONNAIRE
IN THE RETURN ENVELOPE,
AND RETURN IT TO US AS SOON AS POSSIBLE.

THANKS AGAIN!

Hunter Survey, VDGIF
4010 West Broad Sreet
P.O. Box 11104
Richmond, VA 23230-1104

This program received Federal financial assistance in Sport Fish and/or Wildlife Restoration. Under Title VI of the 1964 Civil Rights Act, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, the U.S. Department of the Interior prohibits discrimination on the basis of race, color, national origin, age, sex, or disability. If you believe that you have been discriminated against in any program, activity or facility as described above, or if you desire further information please write to the Office for Human Resources, U.S. Fish and Wildlife Service, 4040 N. Fairfax Drive, Room 300, Arlington, VA 22203.

