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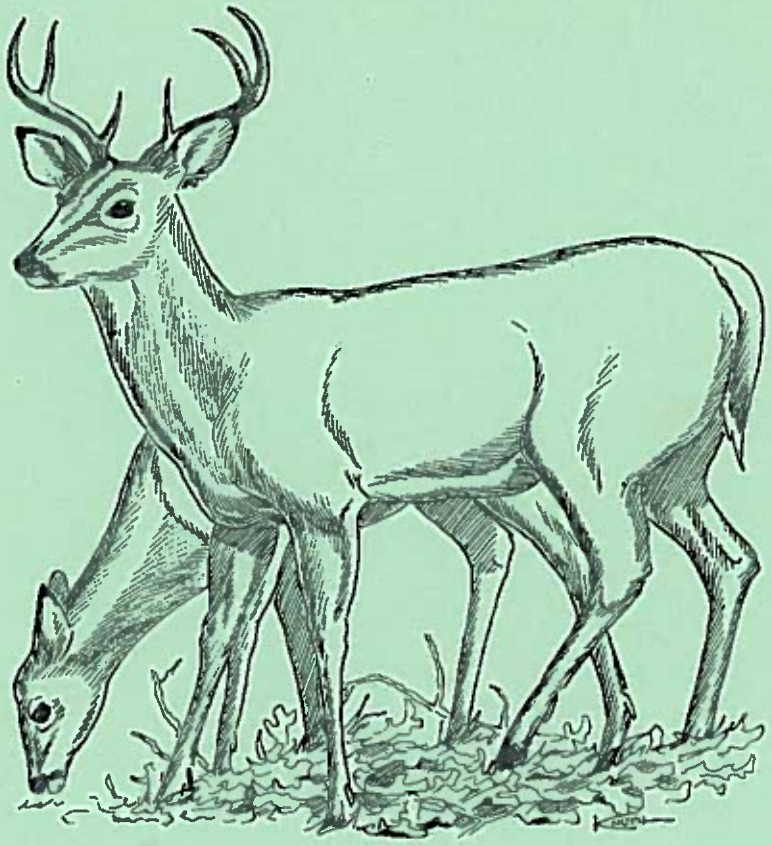
Virginia Survey of Hunter Harvest, Effort and Attitudes 2004-2005



Wildlife Division

Virginia Department of Game and Inland Fisheries

Contributors

Coren P. Jagnow, was the Principal Investigator, and is the Survey Coordinator for the Virginia Department of Game and Inland Fisheries, Richmond, VA.

David E. Steffen, Forest Wildlife Program Manager for the Virginia Department of Game and Inland Fisheries, Roanoke, VA.

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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 members 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 began conducting hunter surveys in the 1965-1966 hunting season and has conducted seventeen surveys since. These surveys provide valuable information to biologists and managers throughout Virginia. First, game harvest indices are used as the basis 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 1987). 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 2005. A random sample of 4,011 (1.68%)Virginia resident hunters was drawn out of a population of hunters who purchased a general state resident hunting license, a county/city license, or a senior (65+) license for the 2003-2004 season (N=239,314). The sample was drawn from 2003-2004 paper licenses sold by license vendors and internet licenses sold on the Virginia Department of Game and Inland Fisheries website. These records are maintained by the Administrative Services Division of the Department of Game and Inland Fisheries. Complete social security numbers were no longer available from the license files, so complete name and address for each hunter was obtained from the paper

and internet license files. In general, the sampling procedures used in this study replicate and extend the work described by Steffen (1987) as employed in Mississippi.

Table 1.
2003-2004 Hunting Population and Survey Sample Statistics

License Type	Population	Percent
State Resident Licenses	216,915	90.6%
County/City Licenses	10,161	4.3%
Senior (65+) Licenses	12,238	5.1%
Total	**239,314**	**100.0%**

Development of the Survey Instrument

A survey instrument was developed to collect harvest data for selected Virginia game and furbearing species (Appendix A). The design of this instrument was such as 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, therefore, 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 organized in groups by topics and efforts were made to create a logical order (Dillman 2000). Questions about landowner 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 2004-2005 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 personalized cover letter explaining the importance of the study were mailed to each of the 4,011 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 subsequently identified and, when necessary, two follow-up mailings (consisting of the questionnaire, return envelope and a revised cover letter) were distributed.

Response Rate

By the end of the data collection period, approximately 596 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 201 questionnaires were returned by addressees for reasons including: did not purchase a license, did not hunt in the 2004-2005 season, refused to complete survey, and hunter is now deceased. These individuals were similarly removed from the sample resulting in a sample size of 3,214. Consequently, of the 3,214 sampled a total of 1,420 usable questionnaires were received, resulting in an effective response rate of 44.2 percent.

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.

Data Analyses

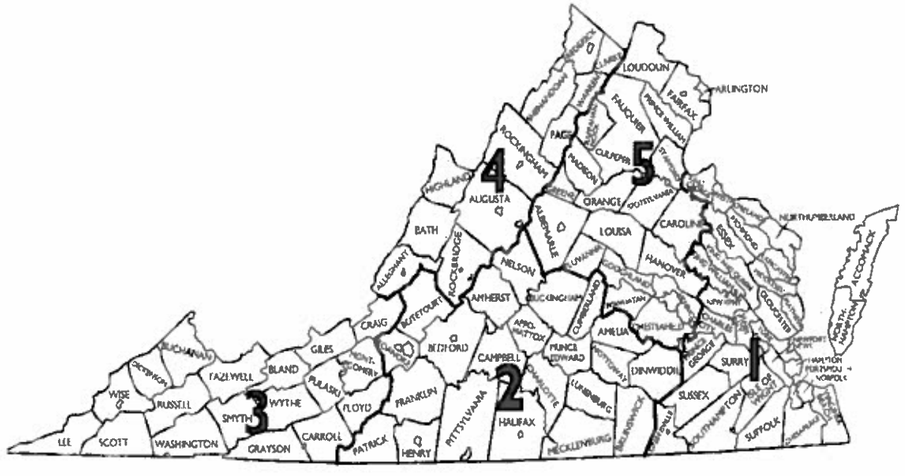
Data from returned questionnaires were entered into a computer file and analyzed using standard statistical techniques. Estimates of statewide and regional harvests of each species were generated. For each estimate, the level of precision (standard error) was specified. Although the sample was drawn from 2003-2004 license records, the majority of estimates (unless otherwise noted) were calculated based on the total licenses sold in 2004-2005. Again, a distribution proportionately representative of hunters among the three license categories (state resident, county/city, and senior) was maintained (Table 2).

Table 2.
2004-2005 Hunting Population and Survey Sample Statistics

License Type	Population	Percent
State Resident Licenses	212,545	90.8%
County/City Licenses	9,730	4.2%
Senior (65+) Licenses	11,810	5.0%
Total	**234,085**	**100.0%**

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 estimates and standard errors, readers are referred to Steffen (1981).

Figure 1. Five Regions of Virginia



Results

Results of all data analyses are presented in tabular form and segmented into two sections of information. The first section includes tables that reference the estimates and standard errors of harvest and effort for 40 game species (or subpopulations of game animals) during the 2004-2005 hunting seasons. Statewide summaries are shown in Tables 3 and 4. Regional estimates are provided in Tables 5-40.

The second section includes tables that reference the analysis of hunters' preferences for selected season dates, bag limits, game management strategies, and other data pertinent to the management of hunting in Virginia. This information is included in Tables 41-90.

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 2004-2005 hunting season (n=234,085). 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. Totals may not always total 100 percent due to rounding errors 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 (p.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 5-40. 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 3. EXPANDED STATEWIDE SUMMARY OF THE 2004-2005 VA SURVEY OF GAME HARVEST BASED ON 234,085 LICENSE HOLDERS.

SPECIES	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT TOTAL LICENSEES
DOVE	603,780	5.008	14.56	84.3	119,780	2.92	41,387	17.7
QUAIL	67,853	1.995	6.37	51.6	33,796	3.19	10,761	4.6
WOODCOCK	2,318	0.297	0.92	50.0	6,125	3.08	1,987	0.8
RUFFED GROUSE	22,728	0.323	1.43	41.0	62,666	4.50	14,237	6.1
CROW	111,493	3.040	7.77	81.5	33,916	2.68	13,575	5.8
RABBIT	295,274	1.259	5.53	74.7	242,890	4.63	53,141	22.7
TOTAL SQUIRREL	792,030	1.901	10.19	84.7	404,344	5.32	77,477	33.1
GRAY SQUIRREL	704,260	2.278	9.18	84.3	293,064	3.97	74,828	32.0
FOX SQUIRREL	92,433	0.777	3.53	75.3	110,882	4.56	25,494	10.9
GROUNDHOG/ WOODCHUCK	299,662	1.134	8.27	91.4	206,733	6.77	33,275	14.2
TOTAL DEER	295,014	0.114	1.41	59.8	2,518,467	12.40	204,121	87.2
BUCK	160,041	0.061	0.77	49.3				
DOE	134,781	0.052	0.64	36.0				
ARCHERY	28,474	0.063	0.41	30.2	394,778	6.18	65,888	28.1
BUCK	13,575	0.030	0.19	17.6				
DOE	14,899	0.034	0.22	17.8				
MUZZLELOADER	71,186	0.099	0.52	38.9	681,571	5.23	131,942	56.4
BUCK	46,188	0.065	0.34	30.2				
DOE	24,998	0.035	0.18	14.6				
GUN	195,071	0.133	0.97	51.1	1,432,069	7.32	196,671	84.0
BUCK	100,109	0.068	0.50	38.0				
DOE	94,828	0.065	0.47	29.0				
SPRING TURKEY2004*	25,366	0.075	0.33	25.4	314,815	4.40	73,114	30.6
FALL TURKEY 2004	14,192	0.052	0.18	16.3	212,881	3.52	63,239	27.0
BEAR	1,505	0.014	0.07	6.6	108,730	5.07	22,349	9.5
TOTAL DUCKS	147,424	2.022	8.87	81.4	69,745	4.21	16,720	7.1
MALLARD	51,798	0.740	3.14	55.7				
WOOD	14,102	0.196	0.85	35.7				
BLACK	11,613	0.169	0.71	23.5				
ALL OTHERS	69,844	0.913	4.10	37.8				
TOTAL GEESE	90,747	1.228	5.92	78.0	72,281	4.79	15,396	6.6
SEPT.	19,866	1.212	3.24	64.9	16,389	2.68	6,125	2.6
NOV - MARCH	70,839	1.220	5.11	79.0	56,200	4.19	13,740	5.9
RED FOX	11,289	0.176	0.72	48.6	51,097	4.22	12,582	5.4
GRAY FOX	14,423	0.214	0.97	57.8	49,072	4.63	10,926	4.7
COYOTE	9,297	0.031	0.51	32.9	172,492	14.23	12,747	5.4
RACCOON	115,219	1.213	9.33	84.9	92,306	7.83	12,416	5.3
BOBCAT	3,318	0.082	0.36	33.3	28,515	4.00	7,450	3.2

* N=239,314 (TOTAL LICENSES 2003-2004)

TABLE 4. EXPANDED STATEWIDE ESTIMATES OF TOTAL HARVEST (WITH STD ERRORS) FOR VIRGINIA GAME SPECIES DURING 2004-2005.

SPECIES	TOTAL HARVEST	STANDARD ERROR		95% CONFIDENCE INTERVAL	
		SE	AS % OF TOTAL *	LOWER LIMIT	UPPER LIMIT
DOVE	603,780	51,058	8.46	501,665	705,895
QUAIL	67,853	20,530	30.26	26,794	108,912
WOODCOCK	2,318	935	40.34	448	4,187
RUFFED GROUSE	22,728	5,690	25.04	11,347	34,109
CROW	111,493	21,190	19.01	69,113	153,872
RABBIT	295,274	32,858	11.13	229,558	360,990
TOTAL SQUIRREL	792,030	54,848	6.92	682,334	901,725
GRAY SQUIRREL	704,260	49,932	7.09	604,396	804,124
FOX SQUIRREL	92,433	11,628	12.58	69,178	115,688
GROUNDHOG/ WOODCHUCK	299,662	40,483	13.51	218,695	380,629
TOTAL DEER	295,014	10,597	3.59	273,819	316,208
BUCK	160,041	5,760	3.60	148,521	171,561
DOE	134,781	6,912	5.13	120,958	148,604
ARCHERY	28,474	2,767	9.72	22,941	34,007
BUCK	13,575	1,616	11.90	10,343	16,807
DOE	14,899	1,846	12.39	11,207	18,592
MUZZLELOADER	71,186	4,054	5.69	63,078	79,294
BUCK	46,188	2,820	6.11	40,548	51,828
DOE	24,998	2,370	9.48	20,257	29,739
GUN	195,071	7,793	3.99	179,485	210,657
BUCK	100,109	4,360	4.36	91,389	108,828
DOE	94,828	5,375	5.67	84,078	105,577
SPRING TURKEY 2004**	25,366	2,765	10.90	19,836	30,896
FALL TURKEY 2004	14,192	2,067	14.56	10,059	18,325
BEAR	1,505	500	33.22	504	2,505
TOTAL DUCKS	147,424	26,790	18.17	93,844	201,003
MALLARD	51,798	10,410	20.10	30,978	72,617
WOOD	14,102	2,977	21.11	8,147	20,056
BLACK	11,613	2,962	25.51	5,689	17,537
ALL OTHERS	69,844	15,020	21.51	39,803	99,885
TOTAL GEESE	90,747	20,000	22.04	50,748	130,747
SEPT.	19,866	6,396	32.20	7,073	32,659
NOV - MARCH	70,839	14,261	20.13	42,318	99,361
RED FOX	11,289	1,884	16.69	7,521	15,058
GRAY FOX	14,423	2,832	19.64	8,759	20,087
COYOTE	9,297	1,692	18.20	5,913	12,681
RACCOON	115,219	26,772	23.24	61,674	168,764
BOBCAT	3,318	808	24.35	1,702	4,934

* % = 100 (SE/TOTAL HARVEST)

** N=239,314 (TOTAL LICENSES 2003-2004)

TABLE 5. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF DOVE HUNTING IN VIRGINIA DURING THE 2004-2005 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	PERCENT OF TOTAL	LICENSEES
1	ESTIMATE	178,661	5.155	15.24	91.4	34,611	2.96	11,704	29.7		
	(SE)	28093	0.453	1.62	3.4	4,785	0.22	1,364	3.0		
	N	1,398	70	70	70	1,400	70	1,414	236		
2	ESTIMATE	157,229	5.335	14.23	80.3	29,428	2.67	11,035	28.0		
	(SE)	28,782	0.652	1.98	4.9	4,124	0.19	1,326	2.9		
	N	1,398	66	66	66	1,400	66	1,414	236		
3	ESTIMATE	28,800	3.018	12.29	85.7	9,531	4.07	2,341	5.9		
	(SE)	10,740	0.621	3.33	9.7	2,986	0.70	623	1.5		
	N	1,398	14	14	14	1,400	14	1,414	236		
4	ESTIMATE	84,391	5.040	17.82	89.3	16,720	3.45	4,849	12.3		
	(SE)	19,893	0.676	2.66	6.0	3,803	0.47	891	2.1		
	N	1,398	28	28	28	1,400	29	1,414	236		
5	ESTIMATE	137,973	5.351	14.71	80.4	26,251	2.75	9,531	24.2		
	(SE)	25,346	0.649	1.91	5.4	4,289	0.28	1,237	2.8		
	N	1,398	56	56	56	1,400	57	1,414	236		
STATEWIDE	ESTIMATE	603,780	5.008	14.56	84.3	119,780	2.92	41,387	17.7		
	(SE)	51,058	0.282	0.91	2.3	8,618	0.13	2,376	1.0		
	N	1,412	245	248	248	1,411	247	1,414	1,414		

TABLE 6. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **QUAIL** HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	5,831	0.605	1.92	58.3	6,327	3.17	1,998	21.1
1	(SE)	2,954	0.375	1.12	14.9	3,120	1.32	574	5.4
	N	1,405	12	12	12	1,406	12	1,414	57
	ESTIMATE	30,656	2.044	8.76	66.7	14,984	4.29	3,496	36.8
2	(SE)	10,220	0.698	2.27	10.5	5,225	1.20	758	6.4
	N	1,405	21	21	21	1,406	21	1,414	57
	ESTIMATE	3,499	1.750	4.20	60.0	1,998	2.40	832	8.8
3	(SE)	2,639	0.577	2.85	24.5	1,128	0.93	372	3.8
	N	1,405	5	14	5	1,406	5	1,414	57
	ESTIMATE	833	0.429	0.75	25.0	1,165	1.75	666	7.0
4	(SE)	601	0.520	0.75	25.0	725	0.75	333	3.4
	N	1,405	4	4	4	1,406	4	1,414	57
	ESTIMATE	26,991	3.767	11.57	42.9	7,659	3.07	2497	26.3
5	(SE)	17,508	2.548	7.10	13.7	2,346	0.53	642	5.9
	N	1,405	14	14	14	1,406	15	1,414	57
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	67,853	1.995	6.37	51.6	33,796	3.19	10,761	4.6
STATEWIDE	(SE)	20,530	0.634	1.84	6.4	6,630	0.49	1,304	0.6
	N	1,411	61	62	62	1,413	64	1,414	1,414

TABLE 7. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **WOODCOCK** HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	-	0.000	0.00	0.0	497	1.50	331	18.2
1	(SE)	-	0.000	0.00	0.0	370	0.50	234	12.2
	N	1,413	2	2	2	1,413	2	1,414	11
	ESTIMATE	1,491	0.643	1.80	80.0	2,319	2.80	828	45.5
2	(SE)	828	0.157	0.66	20.0	1,324	1.11	370	15.7
	N	1,413	5	5	5	1,413	5	1,414	11
	ESTIMATE	166	0.111	0.50	50.0	1,491	4.50	331	18.2
3	(SE)	166	0.198	0.50	50.0	1,336	3.50	234	12.2
	N	1,413	2	2	2	1,413	2	1,414	11
	ESTIMATE	-	0.000	0.00	0.0	-	0.00	-	0.0
4	(SE)	-	0.000	0.00	0.0	-	0.00	-	0.0
	N	1,413	0	0	0	1,413	0	1,414	11
	ESTIMATE	166	0.100	0.50	50.0	1,657	5.00	331	18.2
5	(SE)	166	0.120	0.50	50.0	1,194	1.00	234	12.2
	N	1,413	2	2	2	1,413	2	1,414	11
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	2,318	0.297	0.92	50.0	6,125	3.08	1,987	0.8
STATEWIDE	(SE)	935	0.122	0.36	15.1	2,259	0.74	571	0.2
	N	1,414	12	12	12	1,414	12	1,414	1,414

TABLE 8.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **RUFFED GROUSE** HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	-	0.000	0.00	0.0	-	0.00	-	0.0
1	(SE)	-	0.000	0.00	0.0	-	0.00	-	0.0
	N	1,406	0	0	0	1,407	0	1,414	80
	ESTIMATE	3,996	0.793	3.83	83.3	4,825	4.83	998	7.5
2	(SE)	2,207	0.174	1.70	16.7	2,504	1.70	407	3.0
	N	1,406	6	6	6	1,407	6	1,414	80
	ESTIMATE	11,987	0.350	1.89	47.4	34,273	5.42	6,318	47.5
3	(SE)	4,816	0.116	0.71	8.2	9,624	1.27	1,011	5.6
	N	1,406	38	38	38	1,407	38	1,414	80
	ESTIMATE	4,329	0.169	0.48	25.9	14,142	2.93	4,821	36.3
4	(SE)	1,924	0.069	0.18	8.6	3,669	0.55	886	5.4
	N	1,406	27	27	27	1,407	29	1,414	80
	ESTIMATE	1,165	0.212	1.00	28.6	5,490	5.50	1,164	8.8
5	(SE)	832	0.122	0.65	18.4	2,736	1.73	439	3.2
	N	1,406	6	7	7	1,407	6	1,414	80
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	22,728	0.323	1.43	41.0	62,666	4.50	14,237	6.1
STATEWIDE	(SE)	5,690	0.072	0.36	5.4	11,141	0.65	1,488	0.6
	N	1,411	81	83	83	1,412	84	1,414	1,414

TABLE 9.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **CROW** HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	13,051	3.120	6.50	83.3	4,189	2.27	2,006	17.6
1	(SE)	6,542	0.940	2.79	11.2	1,447	0.41	577	4.7
	N	1,399	11	12	12	1,397	11	1,414	68
	ESTIMATE	46,850	4.125	12.23	95.5	11,059	3.00	3,846	33.8
2	(SE)	15,582	1.360	3.41	4.5	3,567	0.75	796	5.8
	N	1,399	21	22	22	1,397	22	1,414	68
	ESTIMATE	9,537	2.842	5.40	70.0	3,184	1.90	1,672	14.7
3	(SE)	6,796	2.134	3.87	15.3	1,194	0.41	527	4.3
	N	1,399	10	10	10	1,397	10	1,414	68
	ESTIMATE	7,028	1.500	5.57	100.0	4,357	3.71	1,170	10.3
4	(SE)	3,007	0.619	1.53	0.0	2,008	1.06	441	3.7
	N	1,399	7	7	7	1,397	7	1,414	68
	ESTIMATE	22,923	2.740	8.56	68.8	8,378	3.33	2,675	23.5
5	(SE)	9,684	1.118	3.02	12.0	2,856	0.77	665	5.2
	N	1,399	15	16	16	1,397	15	1,414	68
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	111,493	3.040	7.77	81.5	33,916	2.68	13,575	5.8
STATEWIDE	(SE)	21,190	0.568	1.34	4.3	5,328	0.30	1,455	0.6
	N	1,413	75	81	81	1,408	76	1,414	1,414

TABLE 10.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **RABBIT** HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	48,606	0.897	3.95	75.3	55,158	4.43	12,426	24.6
1	(SE)	9,557	0.155	0.64	5.1	11,263	0.76	1,406	2.5
	N	1,387	73	73	73	1,392	74	1,414	301
	ESTIMATE	105,650	1.737	6.23	78.0	60,371	3.59	16,960	33.6
2	(SE)	19,351	0.293	0.98	4.2	8,972	0.41	1,626	2.7
	N	1,387	99	100	100	1,392	100	1,414	301
	ESTIMATE	49,281	1.576	6.17	76.6	30,942	3.91	7,892	15.6
3	(SE)	11,108	0.227	1.10	6.2	6,185	0.55	1,132	2.1
	N	1,387	47	47	47	1,392	47	1,414	301
	ESTIMATE	43,374	1.323	8.76	79.3	33,465	6.42	5,206	10.3
4	(SE)	21,180	0.350	4.09	7.7	11,891	2.01	925	1.8
	N	1,387	29	29	29	1,392	31	1,414	301
	ESTIMATE	28,353	0.976	3.57	65.2	41,368	5.23	8,060	15.9
5	(SE)	7,316	0.198	0.79	7.1	14,509	1.69	1,144	2.1
	N	1,387	45	46	46	1,392	47	1,414	301
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	295,274	1.259	5.53	74.7	242,890	4.63	53,141	22.7
STATEWIDE	(SE)	32,858	0.111	0.57	2.5	25,404	0.43	2,609	1.1
	N	1,404	307	312	312	1,409	316	1,414	1,414

TABLE 11.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **GRAY SQUIRREL** HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	54,735	2.007	5.86	82.0	25,667	2.94	8,701	12.4
1	(SE)	12,442	0.415	1.17	5.5	4,630	0.35	1,196	1.6
	N	1,360	50	50	50	1,368	51	1,414	410
	ESTIMATE	223,413	2.867	10.93	88.8	74,948	3.81	19,962	28.5
2	(SE)	32,409	0.430	1.30	2.9	11,193	0.46	1,766	2.2
	N	1,360	114	116	116	1,368	115	1,414	410
	ESTIMATE	129,435	2.089	9.18	86.3	61,259	4.42	13,991	20.0
3	(SE)	22,908	0.377	1.34	3.9	11,244	0.66	1,499	2.0
	N	1,360	79	80	80	1,368	81	1,414	410
	ESTIMATE	132,878	1.784	8.64	88.8	75,462	4.74	16,038	22.9
4	(SE)	20,370	0.279	1.00	3.4	12,925	0.66	1,597	2.1
	N	1,360	89	89	89	1,368	93	1,414	410
	ESTIMATE	135,287	3.310	11.17	79.7	37,303	3.30	11,261	16.1
5	(SE)	25,309	0.485	1.72	5.1	6,217	0.38	1,353	1.8
	N	1,360	64	64	64	1,368	66	1,414	410
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	704,260	2.278	9.18	84.3	293,064	3.97	74,828	32.0
STATEWIDE	(SE)	49,932	0.171	0.57	1.7	20,958	0.24	2,904	1.2
	N	1,401	432	440	440	1,405	443	1,414	410

TABLE 12.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **FOX SQUIRREL** HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	676	0.667	1.33	66.7	1,008	2.00	503	2.2
1	(SE)	534	0.726	0.88	33.3	713	1.00	290	1.3
	N	1,386	3	3	3	1,393	3	1,414	137
	ESTIMATE	2,027	0.273	1.50	62.5	7,394	5.50	1,341	5.8
2	(SE)	1,040	0.074	0.60	18.3	3,678	2.06	473	2.0
	N	1,386	8	8	8	1,393	8	1,414	137
	ESTIMATE	36,987	0.883	4.22	83.7	39,826	4.94	8,378	36.5
3	(SE)	8,391	0.151	0.80	5.3	9,960	1.03	1,164	4.1
	N	1,386	47	49	49	1,393	48	1,414	137
	ESTIMATE	41,379	0.796	3.97	81.0	50,749	4.79	10,724	46.7
4	(SE)	7,426	0.180	0.55	5.2	11,703	0.94	1,310	4.3
	N	1,386	58	58	58	1,393	63	1,414	137
	ESTIMATE	7,600	1.318	3.55	72.7	4,705	2.55	2,011	8.8
5	(SE)	3,150	0.585	1.26	14.1	1,806	0.64	578	2.4
	N	1,386	10	11	11	1,393	11	1,414	137
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	92,433	0.777	3.53	75.3	110,882	4.56	25,494	10.9
STATEWIDE	(SE)	11,628	0.102	0.38	3.6	15,993	0.55	1,940	0.8
	N	1,403	139	146	146	1,406	146	1,414	1,414

TABLE 13.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **GROUNDHOG/WOODCHUCK** HUNTING IN VA DURING THE 2004-2005 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
	ESTIMATE	14,630	2.128	5.73	100.0	6,664	2.79	2,550	9.1
1	(SE)	4,946	0.575	1.30	0.0	2,134	0.52	655	2.3
	N	1,376	14	15	15	1,370	14	1,414	164
	ESTIMATE	70,600	1.818	7.87	94.2	38,445	4.33	8,840	31.7
2	(SE)	19,520	0.507	1.94	3.3	9,074	0.84	1,203	3.6
	N	1,376	52	52	52	1,370	52	1,414	164
	ESTIMATE	52,227	1.314	7.84	89.2	36,736	6.14	6,460	23.2
3	(SE)	14,762	0.453	1.98	5.2	10,687	1.48	1,034	3.3
	N	1,376	34	37	37	1,370	35	1,414	164
	ESTIMATE	38,447	1.107	6.41	88.2	31,952	6.03	5,780	20.7
4	(SE)	10,221	0.251	1.41	5.6	9,166	1.38	979	3.2
	N	1,376	31	34	34	1,370	31	1,414	164
	ESTIMATE	47,804	2.076	10.96	96.0	22,554	5.28	4,250	15.2
5	(SE)	14,869	0.731	2.79	4.0	7,535	1.45	843	2.8
	N	1,376	25	25	25	1,370	25	1,414	164
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	299,662	1.134	8.27	91.4	206,733	6.77	33,275	14.2
STATEWIDE	(SE)	40,483	0.359	1.07	2.0	63,750	2.04	2,175	0.9
	N	1,410	178	197	197	1,395	182	1,414	1,414

TABLE 14.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF ARCHERY DEER HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	4,019	0.063	0.43	30.4	61,984	6.67	9,377	14.7
1	(SE)	1,080	0.016	0.10	6.2	11,115	0.82	1,228	1.8
	N	1,398	55	56	56	1,386	55	1,414	382
	ESTIMATE	8,205	0.074	0.49	32.3	98,464	6.20	16,577	25.9
2	(SE)	1,635	0.014	0.09	4.7	13,554	0.59	1,607	2.2
	N	1,398	94	99	99	1,386	94	1,414	382
	ESTIMATE	4,186	0.050	0.28	21.2	81,237	5.87	14,233	22.3
3	(SE)	1,040	0.012	0.07	4.5	11,703	0.57	1,497	2.1
	N	1,398	82	85	85	1,386	82	1,414	382
	ESTIMATE	4,688	0.053	0.39	29.2	82,926	7.01	12,056	18.8
4	(SE)	1,154	0.013	0.09	5.4	14,549	0.93	1,384	2.0
	N	1,398	70	72	72	1,386	70	1,414	382
	ESTIMATE	4,856	0.070	0.41	34.3	69,584	5.97	11,721	18.3
5	(SE)	1,065	0.014	0.08	5.7	10,720	0.60	1,366	2.0
	N	1,398	69	70	70	1,386	69	1,414	382
									PERCENT OF TOTAL
	ESTIMATE	28,474	0.063	0.41	30.2	394,778	6.18	65,888	28.1
STATEWIDE	(SE)	2,767	0.006	0.04	2.3	25,909	0.30	2,801	1.2
	N	1,414	381	398	398	1,397	381	1,414	1,414

TABLE 15.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF ARCHERY DEER (BUCK) HUNTING IN VA DURING THE 2004-2005 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
	ESTIMATE	2,177	0.035	0.23	21.4	61,984	6.67	9,377	14.7
1	(SE)	646	0.010	0.06	5.5	11,115	0.82	1,228	1.8
	N	1,398	55	56	56	1,386	55	1,414	382
	ESTIMATE	4,019	0.034	0.24	21.2	98,464	6.20	16,577	25.9
2	(SE)	911	0.008	0.05	4.1	13,554	0.59	1,607	2.2
	N	1,398	94	99	99	1,386	94	1,414	382
	ESTIMATE	1,507	0.019	0.11	10.6	81,237	5.87	14,233	22.3
3	(SE)	501	0.006	0.03	3.4	11,703	0.57	1,497	2.1
	N	1,398	82	85	85	1,386	82	1,414	382
	ESTIMATE	2,009	0.024	0.17	15.3	82,926	7.01	12,056	18.8
4	(SE)	624	0.008	0.05	4.3	14,549	0.93	1,384	2.0
	N	1,398	70	72	72	1,386	70	1,414	382
	ESTIMATE	2,177	0.032	0.19	17.1	69,584	5.97	11,721	18.3
5	(SE)	646	0.009	0.05	4.5	10,720	0.60	1,366	2.0
	N	1,398	69	70	70	1,386	69	1,414	382
									PERCENT OF TOTAL
	ESTIMATE	13,575	0.030	0.19	17.6	394,778	6.18	65,888	28.1
STATEWIDE	(SE)	1,616	0.004	0.02	1.9	25,909	0.30	2,801	1.2
	N	1,414	381	398	398	1,397	381	1,414	1,414

TABLE 16. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF ARCHERY DEER (DOE) HUNTING IN VA DURING THE 2004-2005 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
	ESTIMATE	1,842	0.027	0.20	17.9	61,984	6.67	9,377	14.7
1	(SE)	602	0.009	0.06	5.2	11,115	0.82	1,228	1.8
	N	1,398	55	56	56	1,386	55	1,414	382
	ESTIMATE	4,186	0.039	0.25	19.2	98,464	6.20	16,577	25.9
2	(SE)	1,067	0.010	0.06	4.0	13,554	0.59	1,607	2.2
	N	1,398	94	99	99	1,386	94	1,414	382
	ESTIMATE	2,679	0.031	0.18	14.1	81,237	5.87	14,233	22.3
3	(SE)	817	0.009	0.05	3.8	11,703	0.57	1,497	2.1
	N	1,398	82	85	85	1,386	82	1,414	382
	ESTIMATE	2,679	0.029	0.22	19.4	82,926	7.01	12,056	18.8
4	(SE)	782	0.008	0.06	4.7	14,549	0.93	1,384	2.0
	N	1,398	70	72	72	1,386	70	1,414	382
	ESTIMATE	2,679	0.039	0.23	18.6	69,584	5.97	11,721	18.3
5	(SE)	817	0.011	0.06	4.7	10,720	0.60	1,366	2.0
	N	1,398	69	70	70	1,386	69	1,414	382
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	14,899	0.034	0.22	17.8	394,778	6.18	65,888	28.1
STATEWIDE	(SE)	1,846	0.004	0.03	1.9	25,909	0.30	2,801	1.2
	N	1,414	381	398	398	1,397	381	1,414	1,414

TABLE 17. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF MUZZLELOADER DEER HUNTING IN VA DURING THE 2004-2005 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
	ESTIMATE	7,996	0.103	0.49	38.5	78,774	4.77	16,332	12.6
1	(SE)	1,458	0.016	0.08	5.0	9,614	0.35	1,608	1.2
	N	1,376	96	96	96	1,361	96	1,414	759
	ESTIMATE	24,497	0.122	0.64	40.4	198,482	5.25	38,277	29.6
2	(SE)	2,770	0.013	0.06	3.3	16,373	0.29	2,335	1.7
	N	1,376	220	225	225	1,361	220	1,414	759
	ESTIMATE	9,186	0.065	0.35	31.2	140,004	5.43	26,198	20.3
3	(SE)	1,360	0.009	0.04	3.7	14,017	0.35	1,990	1.5
	N	1,376	150	154	7129	1,361	150	1,414	759
	ESTIMATE	10,547	0.072	0.40	36.1	141,552	5.45	26,369	20.4
4	(SE)	1,436	0.009	0.05	3.9	14,503	0.37	1,996	1.5
	N	1,376	151	155	155	1,361	151	1,414	759
	ESTIMATE	15,481	0.140	0.70	48.8	110,937	5.08	21,945	17.0
5	(SE)	2,302	0.015	0.09	4.4	12,323	0.37	1,840	1.4
	N	1,376	127	129	129	1,361	127	1,414	759
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	71,186	0.099	0.52	38.9	681,571	5.23	131,942	56.4
STATEWIDE	(SE)	4,054	0.006	0.03	1.7	25,598	0.15	3,088	1.3
	N	1,414	775	797	797	1,392	775	1,414	1,414

TABLE 18. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **MUZZLELOADER DEER (BUCK)** HUNTING IN VA DURING THE 2004-2005 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
	ESTIMATE	6,294	0.081	0.39	33.3	78,774	4.77	16,332	12.6
1	(SE)	1,154	0.012	0.06	4.8	9,614	0.35	1,608	1.2
	N	1,376	96	96	96	1,361	96	1,414	759
	ESTIMATE	14,630	0.072	0.38	32.0	198,482	5.25	38,277	29.6
2	(SE)	1,774	0.009	0.04	3.1	16,373	0.29	2,335	1.7
	N	1,376	220	225	225	1,361	220	1,414	759
	ESTIMATE	6,294	0.045	0.24	23.4	140,004	5.43	26,198	20.3
3	(SE)	1,049	0.007	0.04	3.4	14,017	0.35	1,990	1.5
	N	1,376	150	154	154	1,361	150	1,414	759
	ESTIMATE	6,465	0.044	0.25	24.5	141,552	5.45	26,369	20.4
4	(SE)	1,034	0.007	0.03	3.5	14,503	0.37	1,996	1.5
	N	1,376	151	155	155	1,361	151	1,414	759
	ESTIMATE	10,377	0.095	0.47	39.5	110,937	5.08	21,945	17.0
5	(SE)	1,544	0.010	0.06	4.3	12,323	0.37	1,840	1.4
	N	1,376	127	129	129	1,361	127	1,414	759
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	46,188	0.065	0.34	30.2	681,571	5.23	131,942	56.4
STATEWIDE	(SE)	2,820	0.004	0.02	1.6	25,598	0.15	3,088	1.3
	N	1,414	775	797	797	1,392	775	1,414	1,414

TABLE 19. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **MUZZLELOADER DEER (DOE)** HUNTING IN VA DURING THE 2004-2005 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
	ESTIMATE	1,701	0.022	0.10	9.4	78,774	4.77	16,332	12.6
1	(SE)	588	0.007	0.03	3.0	9,614	0.35	1,608	1.2
	N	1,376	96	96	96	1,361	96	1,414	759
	ESTIMATE	9,867	0.050	0.26	19.1	198,482	5.25	38,277	29.6
2	(SE)	1,610	0.008	0.04	2.6	16,373	0.29	2,335	1.7
	N	1,376	220	225	225	1,361	220	1,414	759
	ESTIMATE	2,892	0.020	0.11	9.1	140,004	5.43	26,198	20.3
3	(SE)	812	0.006	0.03	2.3	14,017	0.35	1,990	1.5
	N	1,376	150	154	154	1,361	150	1,414	759
	ESTIMATE	4,083	0.028	0.15	14.8	141,552	5.45	26,369	20.4
4	(SE)	861	0.006	0.03	2.9	14,503	0.37	1,996	1.5
	N	1,376	151	155	155	1,361	151	1,414	759
	ESTIMATE	5,104	0.045	0.22	16.3	110,937	5.08	21,945	17.0
5	(SE)	1,243	0.010	0.05	3.3	12,323	0.37	1,840	1.4
	N	1,376	127	129	129	1,361	127	1,414	759
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	24,998	0.035	0.18	14.6	681,571	5.23	131,942	56.4
STATEWIDE	(SE)	2,370	0.003	0.02	1.2	25,598	0.15	3,088	1.3
	N	1,414	775	797	797	1,392	775	1,414	1,414

TABLE 20. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF GUN DEER HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	43,782	0.148	1.34	59.5	293,181	9.15	32,198	16.5
1	(SE)	4,779	0.015	0.12	3.6	29,080	0.65	2,199	1.1
	N	1,342	181	185	185	1,323	181	1,414	1,119
	ESTIMATE	53,724	0.129	0.97	51.1	403,412	7.45	54,475	28.0
2	(SE)	4,757	0.010	0.07	2.8	29,882	0.41	2,698	1.3
	N	1,342	305	312	313	1,323	306	1,414	1,119
	ESTIMATE	21,106	0.122	0.65	43.6	174,458	5.36	32,720	16.8
3	(SE)	2,517	0.012	0.06	3.6	15,318	0.30	2,214	1.1
	N	1,342	183	187	188	1,323	184	1,414	1,119
	ESTIMATE	28,432	0.108	0.72	44.7	259,387	6.88	38,115	19.6
4	(SE)	3,195	0.011	0.07	3.4	21,199	0.36	2,357	1.2
	N	1,342	212	218	219	1,323	213	1,414	1,119
	ESTIMATE	42,910	0.150	1.15	55.6	290,527	7.71	37,245	19.1
5	(SE)	4,593	0.015	0.10	3.4	26,701	0.52	2,336	1.2
	N	1,342	213	214	214	1,323	213	1,414	1,119
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	195,071	0.133	0.97	51.1	1,432,069	7.32	196,671	84.0
STATEWIDE	(SE)	7,793	0.006	0.04	1.5	43,573	0.20	2,282	1.0
	N	1,410	1,146	1,184	1,188	1,376	1,150	1,414	1,414

TABLE 21. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF GUN DEER (BUCK) HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	21,280	0.071	0.65	44.3	293,181	9.15	32,198	16.5
1	(SE)	2,510	0.008	0.06	3.7	29,080	0.65	2,199	1.1
	N	1,342	181	185	185	1,323	181	1,414	1,119
	ESTIMATE	29,479	0.072	0.54	41.5	403412	7.45	54,475	28.0
2	(SE)	2,690	0.006	0.04	2.8	29,882	0.41	2,698	1.3
	N	1,342	305	312	313	1,323	306	1,414	1,119
	ESTIMATE	12,559	0.072	0.39	33.5	174,458	5.36	32,720	16.8
3	(SE)	1,657	0.008	0.04	3.5	15,318	0.30	2,214	1.1
	N	1,342	183	187	188	1,323	184	1,414	1,119
	ESTIMATE	14,652	0.055	0.37	31.1	259,387	6.88	38,115	19.6
4	(SE)	1,803	0.007	0.04	3.1	21,199	0.36	2,357	1.2
	N	1,342	212	218	219	1,323	213	1,414	1,119
	ESTIMATE	18,838	0.066	0.50	37.4	290,527	7.71	37,245	19.1
5	(SE)	2,244	0.007	0.05	3.3	26,701	0.52	2,336	1.2
	N	1,342	213	214	214	1,323	213	1,414	1,119
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	100,109	0.068	0.50	38.0	1,432,069	7.32	196,671	84.0
STATEWIDE	(SE)	4,360	0.003	0.02	1.4	43,573	0.20	2,282	1.0
	N	1,410	1,146	1,184	1,188	1,376	1,150	1,414	1,414

TABLE 22. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF GUN DEER (DOE) HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	22,485	0.077	0.69	36.2	293,181	9.15	32,198	16.5
1	(SE)	3,093	0.010	0.08	3.5	29,080	0.65	2,199	1.1
	N	1,343	181	185	185	1,323	181	1,414	1,119
	ESTIMATE	24,228	0.058	0.43	26.8	403412	7.45	54,475	28.0
2	(SE)	3,033	0.007	0.05	2.5	29,882	0.41	2,698	1.3
	N	1,343	305	312	313	1,323	306	1,414	1,119
	ESTIMATE	8,541	0.050	0.26	21.3	174,458	5.36	32,720	16.8
3	(SE)	1,429	0.008	0.04	3.0	15,318	0.30	2,214	1.1
	N	1,343	183	187	188	1,323	184	1,414	1,119
	ESTIMATE	13,770	0.053	0.35	24.7	259,387	6.88	38,115	19.6
4	(SE)	2,109	0.008	0.05	2.9	21,199	0.36	2,357	1.2
	N	1,343	213	219	219	1,323	213	1,414	1,119
	ESTIMATE	24,053	0.084	0.64	36.9	290,527	7.71	37,245	19.1
5	(SE)	3,128	0.010	0.07	3.3	26,701	0.52	2,336	1.2
	N	1,343	213	214	214	1,323	213	1,414	1,119
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	94,828	0.065	0.47	29.0	1,432,069	7.32	196,671	84.0
STATEWIDE	(SE)	5,375	0.004	0.03	1.3	43,573	0.20	2,282	1.0
	N	1,412	1,148	1,186	1,188	1,376	1,150	1,414	1,414

TABLE 23. EXPANDED STATEWIDE SUMMARY OF **TOTAL DEER** HUNTING IN VIRGINIA DURING THE 2004-2005 HUNTING SEASON

	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENSEES
	ESTIMATE	295,014	0.114	1.41	59.8	2,518,467	12.40	204,121	87.2
STATEWIDE	(SE)	10,597	0.004	0.05	1.4	67,400	0.30	2,081	0.9
	N	1,410	1,183	1,229	1,233	1,368	1,187	1,414	1,414

TABLE 24. EXPANDED STATEWIDE SUMMARY OF **TOTAL DEER (BUCKS)** HUNTING IN VIRGINIA DURING THE 2004-2005 HUNTING SEASON

	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENSEES
	ESTIMATE	160,041	0.061	0.77	49.3	2,518,467	12.40	204,121	87.2
STATEWIDE	(SE)	5,760	0.002	0.03	1.4	67,400	0.30	2,081	0.9
	N	1,410	1,183	1,229	1,233	1,368	1,187	1,414	1,414

TABLE 25. EXPANDED STATEWIDE SUMMARY OF **TOTAL DEER (DOES)** HUNTING IN VIRGINIA DURING THE 2004-2005 HUNTING SEASON

	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENSEES
	ESTIMATE	134,781	0.052	0.64	36.0	2,518,467	12.40	204,121	87.2
STATEWIDE	(SE)	6,912	0.003	0.03	1.4	67,400	0.30	2,081	0.9
	N	1,412	1,185	1,231	1,233	1,368	1,187	1,414	1,414

TABLE 26. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF SPRING TURKEY (2004) HUNTING IN VIRGINIA

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
	ESTIMATE	4,468	0.082	0.43	34.0	51,070	5.05	10,036	14.5
1	(SE)	1110	0.016	0.10	6.6	10,017	0.75	1,290	1.8
	N	1,339	53	53	53	1,373	58	1,414	401
	ESTIMATE	7,149	0.085	0.35	28.1	91,333	4.23	22,149	31.9
2	(SE)	1,348	0.013	0.06	4.2	10,427	0.32	1,866	2.3
	N	1,339	111	114	114	1,373	124	1,414	401
	ESTIMATE	3,575	0.068	0.26	22.1	56,996	3.72	15,574	22.4
3	(SE)	906	0.016	0.06	4.8	7,566	0.31	1,588	2.1
	N	1,339	76	77	77	1,373	88	1,414	401
	ESTIMATE	3,271	0.059	0.25	21.1	63,271	4.84	13,497	19.5
4	(SE)	871	0.014	0.06	4.9	9,369	0.47	1,485	2.0
	N	1,339	69	71	71	1,373	75	1,414	401
	ESTIMATE	3,575	0.078	0.36	22.2	36,603	4.57	8,133	11.7
5	(SE)	1,209	0.018	0.11	6.3	8,081	0.77	1,166	1.6
	N	1,339	44	45	45	1,373	46	1,414	401
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	25,366	0.075	0.33	25.4	314,815	4.40	73,114	30.6
STATEWIDE	(SE)	2,765	0.007	0.03	2.2	19,347	0.20	2,933	1.2
	N	1,368	379	389	389	1,401	419	1,414	1414

TABLE 27. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF FALL TURKEY (2004) HUNTING IN VIRGINIA

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
	ESTIMATE	1,568	0.061	0.24	18.2	23,409	3.91	6,089	10.2
1	(SE)	673	0.030	0.11	6.8	7,669	1.12	1,002	1.6
	N	1,344	32	33	33	1,370	35	1,414	352
	ESTIMATE	3,658	0.060	0.19	16.5	53,481	3.04	18,267	30.7
2	(SE)	865	0.016	0.04	3.8	6,610	0.24	1,688	2.5
	N	1,344	92	97	97	1,370	103	1,414	352
	ESTIMATE	3,135	0.066	0.22	17.7	43,400	3.18	14,207	23.9
3	(SE)	849	0.018	0.06	4.3	5,671	0.23	1,503	2.3
	N	1,344	76	79	79	1,370	80	1,414	352
	ESTIMATE	2,264	0.049	0.19	17.4	49,038	3.78	13,531	22.7
4	(SE)	672	0.015	0.05	4.6	7,511	0.40	1,469	2.2
	N	1,344	66	69	69	1,370	76	1,414	352
	ESTIMATE	697	0.020	0.10	10.3	37,078	4.93	7,442	12.5
5	(SE)	348	0.009	0.05	4.9	9,400	1.03	1,104	1.8
	N	1,344	39	39	39	1,370	44	1,414	352
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	14,192	0.052	0.18	16.3	212,881	3.52	63,239	27.0
STATEWIDE	(SE)	2,067	0.007	0.02	2.0	15,841	0.21	2,765	1.2
	N	1,369	322	342	343	1,391	359	1,414	1,414

TABLE 28.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF BEAR HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	0	0.000	0.00	0.0	671	1.00	669	3.3
1	(SE)	0	0.000	0.00	0.0	335	0.00	334	1.6
	N	1,388	4	4	4	1,395	4	1,414	121
	ESTIMATE	169	0.007	0.03	3.4	26,345	4.91	5,518	27.3
2	(SE)	169	0.007	0.03	3.4	7,629	1.15	949	4.1
	N	1,388	28	29	29	1,395	32	1,414	121
	ESTIMATE	337	0.034	0.10	10.0	14,599	4.14	3,678	18.2
3	(SE)	238	0.026	0.07	6.9	5,307	1.24	778	3.5
	N	1,388	19	20	20	1,395	21	1,414	121
	ESTIMATE	506	0.013	0.06	6.1	45,139	5.38	8,862	43.8
4	(SE)	292	0.007	0.03	3.5	9,858	0.92	1,194	4.5
	N	1,388	46	49	49	1,395	50	1,414	121
	ESTIMATE	169	0.029	0.13	12.5	6,377	4.22	1,505	7.4
5	(SE)	169	0.028	0.13	12.5	2,271	0.57	500	2.4
	N	1,388	8	8	8	1,395	9	1,414	121
									PERCENT OF TOTAL
									LICENSEES
	ESTIMATE	1,505	0.014	0.07	6.6	108,730	5.07	22,349	9.5
STATEWIDE	(SE)	500	0.005	0.02	2.3	14,976	0.56	1,830	0.8
	N	1,400	117	122	122	1,408	129	1,414	1,414

TABLE 29.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF TOTAL DUCK HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	85,592	1.880	9.51	84.3	43,423	4.92	8,818	56.4
1	(SE)	18,744	0.285	1.74	5.1	8,137	0.65	1,189	5.1
	N	1,403	51	51	51	1,407	53	1,414	94
	ESTIMATE	3,337	1.000	2.00	80.0	3,660	2.00	1,830	11.7
2	(SE)	1,490	0.357	0.67	13.3	1,196	0.27	550	3.3
	N	1,403	10	10	10	1,407	11	1,414	94
	ESTIMATE	834	0.833	2.50	50.0	998	3.00	333	2.1
3	(SE)	834	0.278	2.50	50.0	848	2.00	235	1.5
	N	1,403	2	2	2	1,407	2	1,414	94
	ESTIMATE	4,839	1.381	3.63	62.5	4,159	2.78	1,497	9.6
4	(SE)	2,765	0.406	1.74	18.3	1,702	0.70	498	3.1
	N	1,403	8	8	8	1,407	9	1,414	94
	ESTIMATE	37,874	2.389	11.95	84.2	15,805	5.00	3,161	20.2
5	(SE)	16,323	0.806	4.49	8.6	5,180	1.21	721	4.2
	N	1,403	19	19	19	1,407	19	1,414	94
									PERCENT OF TOTAL
									LICENSEES
	ESTIMATE	147,424	2.022	8.87	81.4	69,745	4.21	16,720	7.1
STATEWIDE	(SE)	26,790	0.289	1.41	4.0	9,815	0.43	1,604	0.7
	N	1,410	96	97	97	1,413	100	1,414	1,414

TABLE 30.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF MALLARD DUCK HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	26,028	0.578	2.92	51.0	43,423	4.92	8,818	56.4
1	(SE)	7,184	0.135	0.74	7.1	8,137	0.65	1,189	5.1
	N	1,403	51	51	51	1,407	53	1,414	94
	ESTIMATE	1,168	0.350	0.70	50.0	3,660	2.00	1,830	11.7
2	(SE)	553	0.140	0.26	16.7	1,196	0.27	550	3.3
	N	1,403	10	10	10	1,407	11	1,414	94
	ESTIMATE	834	0.833	2.50	50.0	998	3.00	333	2.1
3	(SE)	834	0.278	2.50	50.0	848	2.00	235	1.5
	N	1,403	2	2	2	1,407	2	1,414	94
	ESTIMATE	3,504	1.000	2.63	62.5	4,159	2.78	1,497	9.6
4	(SE)	2,206	0.467	1.46	18.3	1,702	0.70	498	3.1
	N	1,403	8	8	8	1,407	9	1,414	94
	ESTIMATE	16,017	1.011	5.05	73.7	15,805	5.00	3,161	20.2
5	(SE)	6,424	0.289	1.71	10.4	5,180	1.21	721	4.2
	N	1,403	19	19	19	1,407	19	1,414	94
									PERCENT OF TOTAL
									LICENSEES
	ESTIMATE	51,798	0.740	3.14	55.7	69,745	4.21	16,720	7.1
STATEWIDE	(SE)	10,410	0.122	0.57	5.1	9,815	0.43	1,604	0.7
	N	1,410	96	97	97	1,413	100	1,414	1,414

TABLE 31.	EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF WOOD DUCK HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	8,336	0.185	0.92	40.4	43,423	4.92	8,818	56.4
1	(SE)	2,071	0.042	0.20	6.9	8,137	0.65	1,189	5.1
	N	1,404	52	52	52	1,407	53	1,414	94
	ESTIMATE	834	0.250	0.50	30.0	3,660	2.00	1,830	11.7
2	(SE)	500	0.124	0.27	15.3	1,196	0.27	550	3.3
	N	1,404	10	10	10	1,407	11	1,414	94
	ESTIMATE	-	0.000	0.00	0.0	998	3.00	333	2.1
3	(SE)	-	0.000	0.00	0.0	848	2.00	235	1.5
	N	1,404	2	2	2	1,407	2	1,414	94
	ESTIMATE	-	0.000	0.00	0.0	4,159	2.78	1,497	9.6
4	(SE)	-	0.000	0.00	0.0	1,702	0.70	498	3.1
	N	1,404	8	8	8	1,407	9	1,414	94
	ESTIMATE	4,502	0.284	1.42	47.4	15,805	5.00	3,161	20.2
5	(SE)	2,086	0.124	0.59	11.8	5,180	1.21	721	4.2
	N	1,404	19	19	19	1,407	19	1,414	94
									PERCENT OF TOTAL
									LICENSEES
	ESTIMATE	14,102	0.196	0.85	35.7	69,745	4.21	16,720	7.1
STATEWIDE	(SE)	2,977	0.039	0.16	4.9	9,815	0.43	1,604	0.7
	N	1,411	97	98	98	1,413	100	1,414	1,414

TABLE 32. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF BLACK DUCK HUNTING IN VIRGINIA DURING THE 2004-2005 HUNTING SEASON

	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
	ESTIMATE	8,170	0.189	0.94	32.7	43,423	4.92	8,818	56.4
1	(SE)	2,547	0.054	0.27	6.6	8,137	0.65	1,189	5.1
	N	1,404	52	52	52	1,407	53	1,414	94
	ESTIMATE	-	0.000	0.00	0.0	3,660	2.00	1,830	11.7
2	(SE)	-	0.000	0.00	0.0	1,196	0.27	550	3.3
	N	1,404	10	10	10	1,407	11	1,414	94
	ESTIMATE	-	0.000	0.00	0.0	998	3.00	333	2.1
3	(SE)	-	0.000	0.00	0.0	848	2.00	235	1.5
	N	1,404	2	2	2	1,407	2	1,414	94
	ESTIMATE	667	0.190	0.50	12.5	4,159	2.78	1,497	9.6
4	(SE)	667	0.162	0.50	12.5	1,702	0.70	498	3.1
	N	1,404	8	8	8	1,407	9	1,414	94
	ESTIMATE	2,001	0.126	0.63	21.1	15,805	5.00	3,161	20.2
5	(SE)	1,130	0.051	0.34	9.6	5,180	1.21	721	4.2
	N	1,404	19	19	19	1,407	19	1,414	94
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	11,613	0.169	0.71	23.5	69,745	4.21	16,720	7.1
STATEWIDE	(SE)	2,962	0.038	0.17	4.3	9,815	0.43	1,604	0.7
	N	1,411	97	98	98	1,413	100	1,414	1,414

TABLE 33. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF ALL OTHER DUCKS HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	43,016	0.923	4.60	46.2	43,423	4.92	8,818	56.4
1	(SE)	10,848	0.174	1.05	7	8,137	0.65	1,189	5.1
	N	1,404	52	52	52	1,407	53	1,414	94
	ESTIMATE	1,334	0.400	0.80	20.0	3,660	2.00	1,830	11.7
2	(SE)	972	0.291	0.55	13.3	1,196	0.27	550	3.3
	N	1,404	10	10	10	1,407	11	1,414	94
	ESTIMATE	-	0.000	0.00	0.0	998	3.00	333	2.1
3	(SE)	-	0.000	0.00	0.0	848	2.00	235	1.5
	N	1,404	2	2	2	1,407	2	1,414	94
	ESTIMATE	667	0.190	0.50	25.0	4,159	2.78	1,497	9.6
4	(SE)	471	0.074	0.33	16.4	1,702	0.70	498	3.1
	N	1,404	8	8	8	1,407	9	1,414	94
	ESTIMATE	15,339	0.968	4.84	31.6	15,805	5.00	3,161	20.2
5	(SE)	8,255	0.462	2.42	11.0	5,180	1.21	721	4.2
	N	1,404	19	19	19	1,407	19	1,414	94
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	69,844	0.913	4.10	37.8	69,745	4.21	16,720	7.1
STATEWIDE	(SE)	15,020	0.168	0.82	4.9	9,815	0.43	1,604	0.7
	N	1,411	97	98	98	1,413	100	1,414	1,414

TABLE 34. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **GOOSE (SEPT.)** HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	2,988	0.486	1.80	50.0	6,143	3.70	1,660	30.3
1	(SE)	1,426	0.287	0.68	16.7	2,819	1.30	523	8.1
	N	1,410	10	10	10	1,410	10	1,414	33
	ESTIMATE	498	0.429	0.75	50.0	1,162	1.75	664	12.1
2	(SE)	371	0.247	0.48	28.9	598	0.25	332	5.8
	N	1,410	4	4	4	1,410	4	1,414	33
	ESTIMATE	-	0.000	0.00	0.0	166	1.00	166	3.0
3	(SE)	-				166		166	3.0
	N	1,410	1	1	1	1,410	1	1,414	33
	ESTIMATE	3,320	1.250	5.00	100.0	2,656	4.00	664	12.1
4	(SE)	2,059	0.120	2.12	0.0	1,724	1.91	332	5.8
	N	1,410	4	4	4	1,410	4	1,414	33
	ESTIMATE	12,285	2.313	5.29	71.4	5,313	2.29	2,324	42.4
5	(SE)	5,881	0.790	2.18	12.5	1,638	0.37	618	8.7
	N	1,410	14	14	14	1,410	14	1,414	33
									PERCENT OF TOTAL
									LICENSEES
	ESTIMATE	19,866	1.212	3.24	64.9	16,389	2.68	6,125	2.6
STATEWIDE	(SE)	6,396	0.354	0.91	8.0	3,748	0.44	994	0.4
	N	1,414	37	37	37	1,414	37	1,414	1,414

TABLE 35. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **GOOSE (NOV. - MAR.)** HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	11,663	0.615	2.48	77.8	18,467	3.96	4,655	36.4
1	(SE)	2,721	0.095	0.37	8.2	3,967	0.43	871	5.5
	N	1,405	27	27	27	1,407	28	1,414	77
	ESTIMATE	7,331	1.760	4.40	80.0	4,159	2.50	1,663	13.0
2	(SE)	3,336	0.319	1.52	13.3	1,584	0.56	524	3.9
	N	1,405	10	10	10	1,407	10	1,414	77
	ESTIMATE	500	0.375	0.75	25.0	1,331	2.00	665	5.2
3	(SE)	500	0.254	0.75	25.0	780	0.71	332	2.5
	N	1,405	4	4	4	1,407	4	1,414	77
	ESTIMATE	7,997	1.371	8.00	83.3	5,823	5.83	1,164	9.1
4	(SE)	4,709	0.398	3.72	16.7	4,097	3.66	439	3.3
	N	1,405	6	6	6	1,407	6	1,414	77
	ESTIMATE	39,486	1.580	8.46	89.3	24,956	5.36	4,655	36.4
5	(SE)	12,727	0.429	2.26	6.0	6,582	1.01	871	5.5
	N	1,405	28	28	28	1,407	28	1,414	77
									PERCENT OF TOTAL
									LICENSEES
	ESTIMATE	70,839	1.220	5.11	79.0	56,200	4.19	13,740	5.9
STATEWIDE	(SE)	14,261	0.198	0.91	4.6	8,803	0.48	1,464	0.6
	N	1,411	80	81	81	1,412	81	1,414	1,414

TABLE 36. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF RED FOX HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	2,664	0.324	0.86	50.0	8,485	3.40	2,490	20.8
1	(SE)	1,024	0.064	0.36	13.9	3,407	1.09	640	4.8
	N	1,406	14	14	14	1,407	15	72	72
	ESTIMATE	2,164	0.143	0.59	47.1	12,977	4.11	3,154	26.4
2	(SE)	684	0.076	0.17	12.5	5,020	1.32	719	5.2
	N	1,406	17	17	17	1,407	19	1,414	72
	ESTIMATE	499	0.750	0.75	75.0	665	1.00	664	5.6
3	(SE)	288	0.250	0.25	25.0	332	0.00	332	2.7
	N	1,406	4	4	4	1,407	4	1,414	72
	ESTIMATE	1,831	0.116	0.69	50.0	14,641	5.87	2,822	23.6
4	(SE)	724	0.090	0.22	12.9	9,294	3.52	681	5.0
	N	1,406	14	16	16	1,407	15	1,414	72
	ESTIMATE	2,830	0.160	0.76	41.2	12,478	4.69	2,822	23.6
5	(SE)	1,115	0.096	0.32	12.3	5,487	1.76	681	5.0
	N	1,406	16	17	17	1,407	16	1,414	72
									PERCENT OF TOTAL
									LICENSEES
	ESTIMATE	11,289	0.176	0.72	48.6	51,097	4.22	12,582	5.4
STATEWIDE	(SE)	1,884	0.052	0.12	5.9	12,351	0.91	1,404	0.6
	N	1,410	69	72	72	1,411	73	1,414	1,414

TABLE 37. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF GRAY FOX HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	3,816	0.523	1.35	70.6	9,622	3.22	2,982	27.7
1	(SE)	1,395	0.206	0.38	11.4	3,456	0.90	699	5.6
	N	1,411	17	17	17	1,411	18	1,414	65
	ESTIMATE	5,475	0.370	1.00	68.4	7,797	2.47	3,313	30.8
2	(SE)	1,965	0.128	0.26	11.0	2,135	0.39	736	5.8
	N	1,411	18	19	19	1,411	19	1,414	65
	ESTIMATE	830	0.313	0.83	66.7	2,654	2.67	994	9.2
3	(SE)	439	0.139	0.31	21.1	1,284	0.76	405	3.6
	N	1,411	6	6	6	1,411	6	1,414	65
	ESTIMATE	995	0.073	0.50	33.3	13,604	7.45	1,988	18.5
4	(SE)	574	0.025	0.26	14.2	9,263	4.78	572	4.8
	N	1,411	11	12	12	1,411	11	1,414	65
	ESTIMATE	995	0.068	0.67	33.3	14,599	9.78	1,491	13.8
5	(SE)	620	0.050	0.37	16.7	6,726	3.31	496	4.3
	N	1,411	9	9	9	1,411	9	1,414	65
									PERCENT OF TOTAL
									LICENSEES
	ESTIMATE	14,423	0.214	0.97	57.8	49,072	4.63	10,926	4.7
STATEWIDE	(SE)	2,832	0.057	0.15	6.2	12,180	1.01	1,314	0.6
	N	1,412	62	64	64	1,412	64	1,414	1,414

TABLE 38. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **COYOTE** HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	333	0.005	0.67	33.3	61,601	123.33	498	4.2
1	(SE)	333	0.000	0.67	33.3	60,771	120.83	288	2.4
	N	1,405	3	3	3	1,406	3	1,414	72
	ESTIMATE	666	0.036	0.27	20.0	10,988	3.88	2,990	25.0
2	(SE)	408	0.028	0.15	10.7	3,521	0.84	701	5.1
	N	1,405	14	15	15	1,406	17	1,414	72
	ESTIMATE	3,999	0.284	0.84	52.0	12,487	2.88	4,320	36.1
3	(SE)	1,150	0.073	0.21	10.2	3,048	0.43	840	5.7
	N	1,405	25	25	25	1,406	26	1,414	72
	ESTIMATE	2,166	0.060	0.30	20.0	13,985	4.67	3,323	27.8
4	(SE)	956	0.032	0.16	9.2	4,110	0.85	738	5.3
	N	1,405	18	20	20	1,406	18	1,414	72
	ESTIMATE	500	0.028	0.40	40.0	11,987	14.40	831	6.9
5	(SE)	288	0.018	0.24	24.5	8,288	8.49	371	3.0
	N	1,405	5	5	5	1,406	5	1,414	72
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	9,297	0.031	0.51	32.9	172,492	14.23	12,747	5.4
STATEWIDE	(SE)	1,692	0.016	0.10	5.5	86,233	6.97	1,413	0.6
	N	1,410	69	73	73	1,410	73	1,414	1,414

TABLE 39. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **RACCOON** HUNTING IN VIRGINIA DURING THE 2004-2005 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
	ESTIMATE	1,833	0.846	2.75	75.0	2,164	3.25	666	6.0
1	(SE)	1,189	0.395	1.31	25.0	1,188	0.85	333	2.9
	N	1,405	4	4	4	1,406	4	1,414	67
	ESTIMATE	39,653	1.013	10.82	81.8	39,458	10.30	3,829	34.3
2	(SE)	15,822	0.202	3.74	8.4	17,322	4.08	792	5.8
	N	1,405	22	22	22	1,406	23	1,414	67
	ESTIMATE	50,982	1.962	16.11	94.7	25,972	8.21	3,163	28.4
3	(SE)	20,712	0.537	5.56	5.3	13,168	3.82	721	5.5
	N	1,405	19	19	19	1,406	19	1,414	67
	ESTIMATE	13,162	0.804	5.20	86.7	16,150	6.47	2,497	22.4
4	(SE)	5,861	0.505	1.99	9.1	10,348	3.93	642	5.1
	N	1,405	15	15	15	1,406	15	1,414	67
	ESTIMATE	4,832	1.526	4.83	83.3	3,163	3.17	999	9.0
5	(SE)	3,458	0.541	3.11	16.7	1,721	1.25	407	3.5
	N	1,405	6	6	6	1,406	6	1,414	67
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	115,219	1.213	9.33	84.9	92,306	7.83	12,416	5.3
STATEWIDE	(SE)	26,772	0.207	1.95	4.2	24,259	1.86	1,396	0.6
	N	1,412	70	73	73	1,410	71	1,414	1,414

TABLE 40. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF BOBCAT HUNTING IN VIRGINIA DURING THE 2004-2005 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	-	0.000	0.00	0.0	2,324	2.80	829	11.6
	(SE)	-	0.000	0.00	0.0	1,149	0.66	370	4.9
	N	1,409	5	5	5	1,410	5	1,414	43
2	ESTIMATE	1,329	0.118	0.62	53.8	8,633	4.00	2,321	32.6
	(SE)	524	0.052	0.18	14.4	3,169	1.01	617	7.2
	N	1,409	12	13	13	1,410	13	1,414	43
3	ESTIMATE	665	0.143	0.50	50.0	5,977	4.00	1,492	20.9
	(SE)	332	0.082	0.19	18.9	2,673	1.27	496	6.3
	N	1,409	8	8	8	1,410	9	1,414	43
4	ESTIMATE	332	0.054	0.20	20.0	6,143	4.11	1,658	23.3
	(SE)	235	0.037	0.13	13.3	2,253	0.68	523	6.5
	N	1,409	9	10	10	1,410	9	1,414	43
5	ESTIMATE	166	0.048	0.25	25.0	4,316	5.20	829	11.6
	(SE)	166	0.065	0.25	25.0	2,570	2.29	370	4.9
	N	1,409	4	4	4	1,410	5	1,414	43
STATEWIDE	ESTIMATE	3,318	0.082	0.36	33.3	28,515	4.00	7,450	3.2
	(SE)	808	0.023	0.08	7.4	5,518	0.49	1,093	0.5
	N	1,411	40	42	42	1,412	43	1,414	1,414

PERCENT OF TOTAL	LICENSEES
	3.2
	0.5
	1,414

Table 41. Hunter responses to question "Did you hunt with a crossbow during the 2004-2005:" (Q18)

	Responses (%)
Special Archery Season	2.0
General Firearms season	1.4
Both Seasons	0.5
Did not hunt with a crossbow	96.1

Table 42. Responses of hunters to statement 'Please indicate the level of importance you place on hunting each of the following species:' (Q19)

	Mean	1	2	3	4	5	6	7
Deer	6.2	2.6	1.0	1.9	8.1	6.7	13.0	66.7
Fall Turkey	4.2	14.1	8.0	9.9	28.3	11.2	7.9	20.6
Spring Turkey	4.5	14.2	6.9	9.1	20.5	9.4	9.2	30.6
Bear	2.9	41.6	9.5	11.3	15.9	7.6	3.5	10.6
Quail	2.6	44.7	12.8	12.2	13.2	5.6	4.2	7.3
Rabbit	3.4	27.0	10.3	12.7	23.8	8.7	5.7	11.8
Squirrel	3.8	19.5	9.0	12.5	24.7	11.8	8.2	14.3
Grouse	2.7	45.9	11.8	9.6	13.2	6.9	5.1	7.5
Waterfowl	2.6	52.2	10.8	7.2	9.7	4.4	4.6	11.1
Raccoon	2.2	60.1	9.7	5.7	11.9	3.3	2.3	7.1
Fox	2.5	51.7	9.6	8.1	14.0	6.0	3.8	6.9

Mean score, where 1=Not at all important; 4=Moderately important; 7=Extremely important

Table 43. Responses to question 'Would you support a squirrel season during the first two weeks of June? (Q20)		
		Response (%)
	Yes	32.4
	No	43.8
	No opinion	23.8

Table 44. Responses to statement 'Indicate your level of agreement with the following statements related to an early June squirrel season:' (Q20)

	Mean	1	2	3	4	5	6	7
It is too hot to hunt squirrels in June	4.79	12.2	5.4	5.2	26.7	6.2	7.2	37.2
Pregnant squirrels would be killed	4.71	8.7	4.1	3.7	39.1	8.0	8.0	28.4
Squirrel numbers would be reduced	4.63	9.1	4.7	6.0	34.5	11.1	9.2	25.3
Disturbance to other wildlife species	4.62	11.5	6.7	5.4	28.2	9.4	10.7	28.2
Poaching of other wildlife species would increase	4.66	14.1	6.1	4.5	22.8	10.0	12.6	29.9

Mean score, where 1=Strongly disagree; 4=Neither agree nor disagree; 7=Strongly agree

Table 45. Responses to question 'Did you hunt rabbits between February 1-February 14, 2005?' (Q21)		
		Responses (%)
	Yes	69.4
	No	30.6

Table 46. Responses to question 'If you were able to choose the closing date for rabbit season, please indicate which date you would most favor.' (Q21)		
		Responses (%)
	Jan 31	18.8
	Feb. 7	3.4
	Feb 14	18.8
	Feb. 28	59.1

Table 47. Responses to statement 'If you preferred the January 31 closing date for the rabbit season, please indicate the most important reason.' (Q21)		
		Responses (%)
	Hunting rabbits in Feb. reduces rabbit pop.	47.2
	Too many pregnant rabbits in Feb.	20.8
	Too cold in Feb.	15.3
	Other	16.7

Table 48. Responses to ' If you killed a black bear during any of the 2004-2005 hunting seasons, did you kill it while:' (Q22)		
		Responses (%)
	Deer hunting	61.5
	Hunting for other game	7.7
	Hunting for bears	30.8

Table 49. Responses to the question 'During the 2004-2005 season, did you:' (Q23)		
	Responses (%)	
	Yes	No
Hunt during the bear archery season?	56.1	43.9
Hunt during the bear muzzleloader season?	48.8	51.2
Hunt with a gun without dogs	86.1	13.9
Hunt with a gun using dogs	36.7	63.3

Table 50. Responses of hunters to statement 'Rank the following 2-week periods of a typical western bear season according to the segments that are important to you.' (Q24)						
	Mean	1	2	3	4	5
August 31-September 13	4.1	6.8	8.0	12.5	14.8	58.0
September 6-September 28	3.7	5.6	11.2	9.0	51.7	22.5
October 12-October 25	2.4	46.2	7.5	24.7	1.1	20.4
December 2-December 14	2.2	35.5	33.3	15.1	6.5	9.7
December 23-January 4	2.8	13.5	32.6	25.8	12.4	15.7
Mean score, where 1=Most Important; 5=Least Important						

Table 51. Perceptions of fall turkey hunters regarding overall quality of 2004 fall turkey season (Q26)						
		Regions				
	Statewide	1	2	3	4	5
	3.77	4.41	3.93	3.78	3.51	3.45
Mean scores, where 1=Poor, 4=Adequate, 7=Excellent						

Table 52. Perceptions of spring turkey hunters regarding overall quality of 2004 spring turkey season (Q28)						
		Regions				
	Statewide	1	2	3	4	5
	4.16	4.55	4.43	4.03	3.66	4.18
Mean scores, where 1=Poor, 4=Adequate, 7=Excellent						

Table 53. Responses to the question, 'How many days did you hunt during the last 2 weeks of the 2004 Spring Gobbler season?' (Q29)						
		Regions				
	Statewide	1	2	3	4	5
	3.20	3.16	3.50	3.06	2.80	2.95

Table 54. Responses to the question, 'How many afternoons during the last 2 weeks of the 2004 spring gobbler season did you hunt?' (Q30)						
		Regions				
	Statewide	1	2	3	4	5
	1.78	1.39	2.49	1.71	1.43	1.03

Table 55. Responses to the question, 'How many gobblers did you kill during the afternoons?' (Q30)						
		Regions				
	Statewide	1	2	3	4	5
	0.08	0.05	0.08	0.16	0.04	0.00

Table 56. Responses to the question, 'How many mornings (before noon) during the last 2 weeks of the 2004 spring gobbler season did you hunt?' (Q30)						
		Regions				
	Statewide	1	2	3	4	5
	2.95	2.60	3.10	3.09	2.95	2.75

Table 57. Responses to the question, 'How many gobblers did you kill during the mornings?' (Q30)						
		Regions				
	Statewide	1	2	3	4	5
	0.27	0.27	0.26	0.30	0.17	0.28

Table 58. Responses to the question, 'How would you rate your afternoon spring gobbler hunting experience?' (Q31)						
		Regions				
	Statewide	1	2	3	4	5
	3.60	3.82	3.80	3.54	3.34	3.28
Mean scores, where 1=Poor, 4=Adequate, 7=Excellent						

Table 59. Responses to the question 'How would you rate your afternoon spring gobbler hunting experience compared to your morning spring gobbler hunting experiences in 2004?' (Q32)						
		Regions				
	Statewide	1	2	3	4	5
There were fewer hunters in the afternoon	4.91	4.53	5.09	5.08	5.08	4.59
Gobbling was better in the afternoon	3.22	3.12	3.34	3.12	3.37	3.11
Gobblers were more responsive to calls in the afternoon	3.44	3.09	3.67	3.25	3.57	3.23
More convenient to hunt in the afternoon	4.54	4.38	4.45	4.87	4.53	4.26
Gobblers were more visible in the afternoon	3.89	3.82	4.08	3.78	3.55	3.89
Afternoons were a better time to scout for new hunting areas	5.16	4.91	5.08	5.45	5.08	5.07
Afternoons were better to locate roost sites for hunting the next	5.62	5.43	5.57	5.87	5.67	5.67
Mean scores, where 1=Strongly Disagree, 4=Neither Agree nor Disagree, 7=Strongly agree						

Table 60. Responses to the question 'If you hunted during the afternoon, where did you hunt most often?' (Q33)		
		Responses (%)
	Private land	88.7
	Federal public lands	10.0
	State public lands	1.3

Table 61. Responses to question, 'Did you take a youth hunter spring gobbler hunting on the 2004 Youth Spring Hunt on April 3, 2004?' (Q34)		
		Responses (%)
	Yes	18.5
	No	81.5

Table 62. Responses question, 'What level of experience did the young hunter have prior to the hunt?' (Q34)		
		Responses (%)
	Youth had never hunted any animal before	9.7
	Youth had never hunted spring gobblers before	36.1
	Youth had hunted spring gobblers less than 3 times previous	20.8
	Youth had hunted small game 3 or more times previously	29.2
	Not sure or don't recall	4.2

Table 63. Responses to the question, 'What relationship was the youth to you?' (Q34)		
		Responses (%)
	Son/daughter	45.9
	Son/daughter of family member	8.1
	Son/Daughter of friends or coworkers	9.5
	Grandson/Granddaughter	18.9
	Other	17.6

Table 64. Responses to question, 'Without the special youth hunting day (April 3, 2004) would you have taken a youth hunting during the regular spring gobbler season?' (Q34)		
		Responses (%)
	Yes	74.7
	No	9.1
	Not sure	16.2

Table 65. Responses to question, 'Did you hunt specifically for raccoons during the 2004-2005 hunting season?' (Q35)		
		Responses (%)
	Yes	5.7
	No	94.3

Table 66. Responses to question, 'If yes, in which of the following regions did you hunt raccoons?' (Q35)		
		Responses (%)
	Counties east of Blue Ridge	46.9
	Counties west of Blue Ridge	36.5
	Both east and west of Blue Ridge	16.7

Table 67. Responses to question, 'Would you be in favor of standardizing the daily bag limit to 2 raccoons per hunter in all regions of the state?' (Q36)		
		Responses (%)
	Yes	34.7
	No	7.1
	No opinion	58.2

Table 68. Responses to the question, 'How would you rate the size of the deer herd in the area in which you hunted most in 2004-2005:' (Q37)

		Regions				
	Statewide	1	2	3	4	5
	4.70	5.03	4.90	4.37	4.08	4.88

Mean scores, where 1=Low, 4=Moderate, 7=High

Table 69. Reponses to statement, 'When compared to previous years, would you say the number of deer in the area you hunted in 2004-2005:' (Q38)

		Regions				
	Statewide	1	2	3	4	5
Declined dramatically	4.5	3.7	3.8	5.7	6.8	2.3
Declined	18.6	14.6	17.3	23.7	26.2	19.9
Remained about the same	47.0	47.7	47.5	47.4	44.3	50.5
Increased	22.5	26.7	25.4	18.6	17.2	20.4
Increased dramatically	5.1	6.3	4.4	4.1	4.5	5.6
No opinion	2.3	1.0	1.6	0.5	0.9	1.4

Table 70. Reponses to statement, 'What advice would you give the Department regarding how to mange the deer herd?' (Q39)

		Regions				
	Statewide	1.0	2.0	3.0	4.0	5.0
Increase the herd	22.1	19.8	17.7	28.0	31.8	19.2
Stabilize the herd	42.3	45.5	43.7	40.4	41.8	49.1
Decrease the herd	21.5	15.5	25.9	21.2	15.5	19.6
No opinion	14.1	19.3	12.7	10.4	10.9	12.1

Table 71. Reponses to statement, 'In your opinion, how well does the DGIF incorporate public input into its deer management decisions?' (Q40)

		Regions				
	Statewide	1	2	3	4	5
	3.89	4.14	3.86	3.66	3.54	4.23

Mean scores, where 1=Poor, 4=Adequate, 7=Excellent

Table 72. Reponses to statement, 'Please indicate your support for each of the following gun deer season options' (Q41)

		Regions				
	Statewide	1	2	3	4	5
One week: Nov. 16-23	2.18	1.61	2.06	2.44	2.25	2.04
Two weeks: Nov. 16-Nov. 30	3.40	1.73	2.93	5.18	4.43	2.34
Four weeks (continuous) Nov. 16 -Dec. 14	3.64	2.36	3.72	4.31	4.19	3.14
Four weeks (split) Nov. 16-Nov. 30 and Dec. 21-Jan.4	3.45	2.32	3.38	4.15	4.01	3.03
Seven weeks: Nov. 16-Jan.4	5.45	6.68	5.82	3.77	4.45	6.43

Mean scores, where 1=Strongly oppose, 4=Does not Matter, 7=Strongly support

Table 73. Reponses to question, 'If it is necessary to reduce the deer population in the area where you hunt, would you support or oppose a regulation that requires deer hunters to kill an antlerless deer before they could kill a second antlered deer?' (Q42)

		Regions				
	Statewide	1	2	3	4	5
	4.43	3.86	4.41	4.65	4.25	4.66

Mean scores, where 1=Strongly oppose, 4=Does not matter, 7=Strongly support

Table 74. Responses to statement, 'If you were asked to help set the daily bag limit for deer, please indicate the degree to which you would support or oppose each of the following daily limits:' (Q43)

		Regions				
	Statewide	1	2	3	4	5
1 deer per day	4.18	3.30	3.40	5.28	5.28	3.55
2 deer per day	5.20	5.48	5.51	4.52	4.70	5.59
3 deer per day	2.85	3.38	3.20	2.25	2.12	3.30
Unlimited daily bag limit	1.83	1.97	2.05	1.65	1.38	1.99

Mean scores, where 1=Strongly oppose, 4=Does not matter, 7=Strongly support

Table 75. Responses to statement, 'If you were asked to help set the daily bag limit for deer, please indicate the degree to which you would support or oppose each of the following daily limits:' (Q43)

		Regions				
	Statewide	1	2	3	4	5
1 antlered buck per year	2.82	1.99	2.55	3.05	3.58	2.62
2 antlered bucks per year	4.88	4.18	4.69	5.30	5.15	4.88
3 antlered bucks per year	4.23	5.09	4.55	3.73	3.46	4.42
Unlimited antlered buck bag limit	2.12	2.63	2.50	1.84	1.60	2.09

Mean scores, where 1=Strongly oppose, 4=Does not matter, 7=Strongly support

Table 76. Responses to question, 'During the 2004-2005 deer season, did you call VDGIF's 1-866-GOT-GAME telephone checking system?' (Q45)

		Regions				
	Statewide	1	2	3	4	5
Yes	32.6	31.9	37.7	29.7	28.0	34.0
No	67.4	68.1	62.3	70.3	72.0	66.0

Table 77. Responses to, 'If yes, how many deer did you check?' and 'Please indicate your level of agreement with the following statements about GOT GAME:' (Q45)

		Regions				
	Statewide	1	2	3	4	5
If yes, how many did you check?	1.87	2.21	1.84	1.87	1.62	1.92
It was simple to use*	5.87	5.61	5.97	5.92	5.59	6.17
It was convenient*	6.19	5.95	6.34	6.05	5.89	6.37
I will use it in the future*	6.36	6.27	6.51	6.33	5.95	6.44

* Mean scores, where 1=Strongly Disagree, 4=Does not matter, 7=Strongly Agree

Table 78. Responses to statement, 'Regarding the one week early western muzzleloading season, please indicate the degree to which you support or oppose the following statements:' (Q46)

		Regions				
	Statewide	1	2	3	4	5
Hunters should be restricted to one antlered buck	4.05	3.90	3.86	4.31	4.18	3.80
Hunters should be allowed to take the yearly limit of 2 antlered bucks	4.79	4.73	4.91	4.61	4.71	4.99

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

Table 79. Responses to question, 'How many antlered bucks (with antlers visible above the hairline) and button bucks did you kill during the 2004-2005 season (all weapons combined)?' (Q47)

		Regions				
	Statewide	1	2	3	4	5
Antlered Bucks	0.8	0.9	0.9	0.7	0.6	0.8
Button Bucks	0.3	0.4	0.3	0.2	0.2	0.3
Mean number of Antler Points						
First antlered buck	4.7	4.9	4.8	4.0	4.5	5.2
Second antlered buck	4.5	4.5	4.8	4.3	3.8	4.6
Third antlered buck	2.4	3.3	2.0	0.2	1.3	4.0

Table 80. Responses to statement, 'Please complete the following information for each antlered buck you killed during 2004-2005:' (Q47)

		Regions				
	Statewide	1.0	2.0	3.0	4.0	5.0
Length of longest antler beam						
First antlered buck	%	%	%	%	%	%
Longer than 3"	85.8	90.9	86.0	88.1	73.0	93.4
1-3"	10.2	7.6	7.8	10.2	23.0	3.9
Shorter than 1"	4.0	1.5	6.2	1.7	4.1	2.6
Second antlered buck						
Longer than 3"	86.7	82.4	91.9	79.2	81.8	90.9
1-3"	9.4	14.7	3.2	16.7	13.6	6.1
Shorter than 1"	3.9	2.9	4.8	4.2	4.5	3.0
Third antlered buck						
Longer than 3"	84.6	83.3	81.8	0.0	66.7	91.7
1-3"	2.6	8.3	0.0	0.0	0.0	0.0
Shorter than 1"	12.8	8.3	18.2	0.0	33.3	8.3

Table 81. Responses to question, 'Were any of these antlered bucks mistaken for an antlerless deer when they were killed?' (Q47)

		Regions				
	Statewide	1	2	3	4	5
Yes	11.7	11.2	16.1	10.9	8.9	6.7
No	88.3	88.8	83.9	89.1	91.1	93.3

Table 82. Responses to statement, 'Please indicate how many days you hunted and the number of deer killed during the following archery deer seasons during 2004-2005:' (Q48)

		Regions				
	Statewide	1	2	3	4	5
Days hunted (Mean)						
Urban archery (September)	0.64	0.38	0.81	0.41	0.96	0.70
Early archery	9.11	11.10	9.39	7.82	9.98	7.72
Late archery	2.91	1.81	4.08	3.02	3.28	1.57
Urban archery (Jan-March)	0.54	0.22	0.90	0.32	0.00	1.12
Deer Killed (Mean)						
Urban archery (September)	0.16	0.00	0.00	0.00	0.19	0.83
Early archery	0.48	0.37	0.61	0.45	0.45	0.43
Late archery	0.06	0.00	0.00	0.06	0.16	0.08
Urban archery (Jan-March)	0.03	0.00	0.03	0.04	0.00	0.06

Table 83. Responses to statement, 'If you did not hunt during the 2004-2005 urban archery deer season, please indicate how important each of the following reasons were for not hunting. ' (Q48)

		Regions				
	Statewide	1	2	3	4	5
I did not know about the urban archery season	3.51	3.62	3.57	3.32	3.49	3.56
I live too far from any locality participating in the season	3.38	3.13	3.46	3.72	3.20	3.41
I was unable to locate a property to hunt	3.78	3.62	3.68	3.82	3.82	4.03
I thought there were too many local restrictions and requirements	3.43	3.34	3.57	3.56	3.27	3.47
I am not interested in hunting urban areas	3.42	3.47	3.55	3.37	3.26	3.34
I am not comfortable hunting in developed areas	3.34	3.42	3.37	3.48	3.16	3.27
I didn't have enough time to hunt during the urban season	3.55	3.41	3.70	3.66	3.59	3.45
Mean scores, where 1=Not at all important, 4=Does not matter, 7=Extremely important						

Table 84. Responses to statement, 'Overall, how do you rate the quality of your 2004-05 deer (gun) season?' (Q50)

		Regions				
	Statewide	1	2	3	4	5
	4.30	4.61	4.46	3.99	3.83	4.62
Mean scores, where 1=Poor, 4=Adequate, 7=Excellent						

Table 85. Responses to statement, 'In the area you hunt during the deer (gun) season, would you increase, decrease, or keep the number of doe days as it is now?' (Q51)

	Regions					
	Statewide	1	2	3	4	5
Increase the number of doe days	48.58	52.51	53.77	45.99	45.12	47.60
Keep the number of doe days the same	40.74	39.66	37.38	37.43	41.86	44.23
Decrease the number of doe days	8.79	6.70	6.89	15.51	11.63	4.81
No opinion	1.89	1.12	1.97	1.07	1.40	3.37

Table 86. Responses to statement, 'Please indicate the number of days you hunted deer on each of the following land types during the 2004-2005 season.' (Q52)

	Regions					
	Statewide	1	2	3	4	5
National Forest Lands	1.62	0.23	0.81	2.49	3.89	0.42
State Wildlife	0.38	0.21	0.39	0.36	0.22	0.64
Private Land	8.43	6.58	9.34	8.21	7.60	10.18
Corporate Land	0.24	0.24	0.55	0.00	0.11	0.21
Military Lands	0.18	0.42	0.03	0.04	0.05	0.51
Hunt Club (on leased private land)	3.19	6.32	3.83	0.65	0.90	4.18
Hunt Club (on leased corporate land)	1.55	4.50	2.38	0.01	0.03	0.97
Other	0.16	0.20	0.33	0.10	0.07	0.09

Table 87. Responses to question, 'Did you hunt deer with dogs during the 2004-2005 gun deer season?' (Q53)

	Regions					
	Statewide	1	2	3	4	5
No (%)	70.0	27.5	68.5	94.1	92.5	64.6
Yes (%)	30.0	72.5	31.5	5.9	7.5	35.4
If yes, number of days (mean)	11.72	11.56	12.12	6.80	9.33	11.02

Table 88. Responses to statement, 'Please indicate the level of importance for you to have the option to use the VDGIF 1-866-GOT-GAME telephone checking system to check the following animals.' (Q54)		
		Mean
	Deer	4.68
	Fall Turkey	4.24
	Spring Turkey	4.23
	Bear	3.61
Mean score where 1=Not at all Important, 4=Moderately Important, 7=Extremely Important		

Table 89. Responses to question, 'How old are you?' (Q55)	
	Years (Mean)
	45.92

Table 90. Responses to question, 'Are you Male or Female?' (Q56)		
		Responses (%)
	Male	97.5
	Female	2.5

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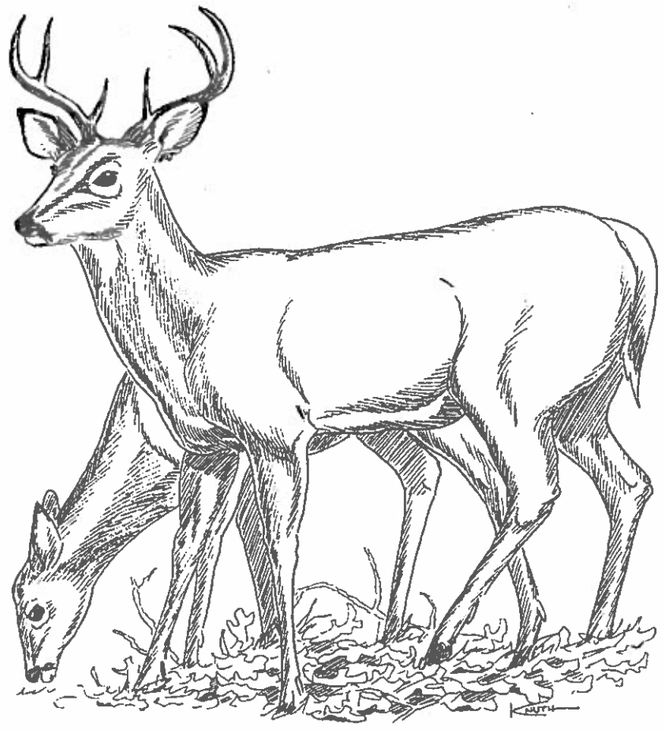
APPENDIX A

SURVEY INSTRUMENT

2004-2005 Virginia Hunter Survey



Virginia Department of Game and Inland Fisheries

COMMONWEALTH of VIRGINIA

W. Taylor Murphy, Jr.
Secretary of Natural Resources

Department of Game and Inland Fisheries

William L. Woodfin, Jr.
Director

Dear Virginia Hunter:

As a fellow Virginia hunter, I am writing to request your help with a very important study that the Department of Game and Inland Fisheries is conducting. The purpose of this study is to generate better estimates of the number of game animals harvested during the 2004-2005 season, the number of days you spent hunting specific types of game, and in general, how satisfied you were with your hunting experiences.

Your name was one of only a small number of hunters selected from all those purchasing a Virginia state hunting license in 2003-2004. Your views are very important to us. Therefore, we need your help in completing the enclosed survey. A pre-stamped, self-addressed envelope is enclosed for your convenience.

If you have any questions regarding the questionnaire or the study itself, please feel free to contact the agency's survey coordinator, Coren Jagnow at (804) 367-0730 or email her at: coren.jagnow@dgif.virginia.gov.

Again, your cooperation is most important and will be greatly appreciated. By working together, we can ensure the availability of wildlife and hunting opportunities for future generations. We look forward to hearing from you in the next few days.

Sincerely,

Bob Duncan

Robert W. Duncan
Director, Division of Wildlife
Department of Game and Inland Fisheries

4010 WEST BROAD STREET, P.O. BOX 11104, RICHMOND, VA 23230-1104
(804) 367-1000 (V/TDD) *Equal Opportunity Employment, Programs and Facilities* FAX (804) 367-9147

Virginia Department of Game and Inland Fisheries

Hunter Survey

Please answer each of the following questions completely. Results from this study will be reported only in an aggregate total and no individual responses will be reported.

1. Did you purchase a Virginia resident hunting license for the 2004-05 hunting season (July 1, 2004–June 30, 2005)?

   ❑ 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 license(s) did you purchase? (✔ all that apply)

   ❑ State resident license (allowing you to hunt statewide)
   ❑ County/City license (allowing you to hunt only the county/city where purchased)
   ❑ Senior license (for residents 65 years or older)
   ❑ Big game license (deer, bear and turkey)
   ❑ Other (please specify) _____

Cover and inside illustrations by Spike Knuth

INSTRUCTIONS:

- In each box below, record the number of animals you **personally harvested** in 2004-05. 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 2004-05 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		Muzzleloader		Gun		Spring	Fall	
Bucks	Does	Bucks	Does	Bucks	Does	2004	2004	

6. Waterfowl Harvest:

Ducks				Geese	
Mallard	Wood	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 **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	Muzzleloader	Gun	Spring 04	Fall 04	

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:

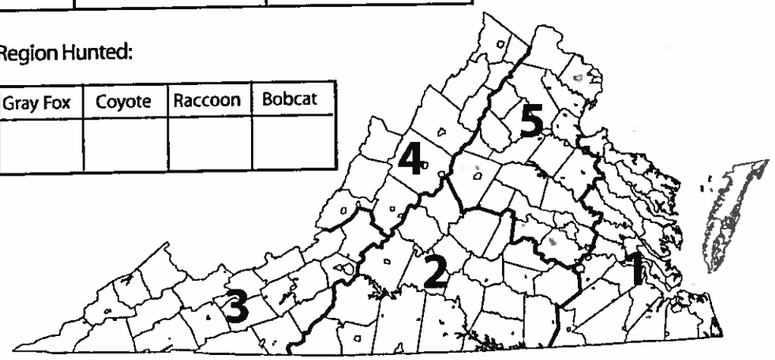
Deer			Turkey		Bear
Archery	Muzzleloader	Gun	Spring 04	Fall 04	

16. Waterfowl Region Hunted:

Ducks	Geese	
	September Season	November-March Season

17. Furbearer Region Hunted:

Red Fox	Gray Fox	Coyote	Raccoon	Bobcat



18. Did you hunt with a crossbow during the 2004-2005:

- ❑ Special archery season
- ❑ General firearms season
- ❑ Both seasons
- ❑ Did not hunt with a crossbow in 2004-2005

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

	Not at all Important					Moderately Important	Extremely Important
Deer	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Fall Turkey	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Spring Turkey	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Bear	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Quail	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Rabbit	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Squirrel	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Grouse	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Waterfowl	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Raccoon	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Fox	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Other	❑1	❑2	❑3	❑4	❑5	❑6	❑7

Please specify_____

20. Would you support a squirrel season during the first two weeks of June?

❑ Yes ❑ No ❑ No Opinion

Indicate your level of agreement with the following statements related to an early June squirrel season:

	Strongly Disagree			Neither Agree Nor Disagree			Strongly Agree
It is too hot to hunt squirrels in June	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Pregnant squirrels would be killed	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Squirrel numbers would be reduced	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Disturbance to other wildlife species during the nesting/breeding season would increase	❑1	❑2	❑3	❑4	❑5	❑6	❑7
Poaching of other wildlife species would increase	❑1	❑2	❑3	❑4	❑5	❑6	❑7

Next we would like your views regarding rabbit seasons. **If you did not hunt RABBITS during the 2004-2005 season, skip to Question 22.**

21. Did you hunt rabbits between February 1-February 14, 2005?

❑ Yes ❑ No

If you were able to choose the **closing** date for rabbit season, please indicate which date you would most favor. (✔ only one)

❑ January 31
❑ February 7
❑ February 14
❑ February 28

If you **preferred the January 31** closing date for the rabbit season, please indicate the most important reason. (✔ only one)

❑ I believe hunting rabbits in February reduces rabbit populations.
❑ I believe there are too many pregnant rabbits in February.
❑ I believe it is too cold in February
❑ (Other-please specify) I believe _____

The following questions pertain to BEAR hunting in 2004-05. **If you did not hunt BEARS during the 2004-05 season, skip to Question 25.**

22. If you killed a black bear during any of the 2004-05 hunting seasons, did you kill it while: (✔ only one)

❑ Deer hunting?
❑ Hunting for other game?
❑ Hunting specifically for bears?

23. During the 2004-05 BEAR season, did you:

a. Hunt during the Bear ARCHERY Season? ❑ Yes ❑ No
b. Hunt during the Bear MUZZLELOADER season? ❑ Yes ❑ No
c. Hunt with a GUN WITHOUT DOGS? ❑ Yes ❑ No
d. Hunt with a GUN USING DOGS? ❑ Yes ❑ No

24. If you are a bear hunter, rank the following 2-week periods of a typical WESTERN BEAR SEASON according to the segments that are most important to you. Place a "1" in the box by the period that you think is most important, a '2' in the box by the next most important, and so on through '5' for the least important period. Do not give two periods the same number and fill all boxes.

Rank	Season Dates
	Aug. 31 – Sept. 13 (1st 2 weeks of bear hound training season)
	Sept. 16 – Sept. 28 (Last 2 weeks of bear hound training season)
	Oct. 12 – Oct. 25 (1st 2 weeks of archery bear season)
	Dec. 2 – Dec. 14 (1st 2 weeks of firearms bear season with dogs)
	Dec. 23 – Jan. 4 (Last 2 weeks of firearms bear season with dogs)

The following questions pertain to Turkey hunting. **If you did not hunt TURKEYS during either 2004-05 season, skip to Question 35.**

25. Please indicate the county where you most often hunted FALL TURKEYS during 2004. **If you did not hunt TURKEYS in the Fall, skip to Question 27.**

_____ County

26. Overall, how do you rate the quality of your 2004 FALL TURKEY season?

Poor			Adequate			Excellent
❑1	❑2	❑3	❑4	❑5	❑6	❑7

27. Please indicate the county where you most often hunted SPRING TURKEYS during 2004 (Spring turkey season LAST year). **If you did not hunt TURKEYS in Spring 2004, skip to Question 35.**

_____ County

28. Overall, how do you rate the quality of your 2004 SPRING TURKEY season?

Poor			Adequate			Excellent
❑1	❑2	❑3	❑4	❑5	❑6	❑7

29. How many days did you hunt during the last 2 weeks of the 2004 Spring Gobbler season (May 3 - May 15, 2004)?

_____ Days

If you did not hunt during the last 2 weeks of the Spring Gobbler season, skip to Question 34.

30. How many afternoons (after 12 noon) during the last 2 weeks of the 2004 spring gobbler season did you hunt? _____

How many gobblers did you kill during the afternoons? _____

How many mornings (before noon) during the last 2 weeks of the 2004 spring gobbler season did you hunt? _____

How many gobblers did you kill during the mornings? _____

31. How would you rate your **afternoon** spring gobbler hunting experience?

Poor			Adequate			Excellent
❑1	❑2	❑3	❑4	❑5	❑6	❑7

32. How would you rate your afternoon spring gobbler hunting experience compared to your morning spring gobbler hunting experiences in 2004?

	Strongly Disagree			Neither Agree Nor Disagree			Strongly Agree
a. There were fewer hunters in the afternoon	❑1	❑2	❑3	❑4	❑5	❑6	❑7
b. Gobbling was better in the afternoon	❑1	❑2	❑3	❑4	❑5	❑6	❑7
c. Gobblers were more responsive to calls in the afternoon	❑1	❑2	❑3	❑4	❑5	❑6	❑7
d. More convenient to hunt in the afternoon	❑1	❑2	❑3	❑4	❑5	❑6	❑7
e. Gobblers were more visible in the afternoon	❑1	❑2	❑3	❑4	❑5	❑6	❑7
f. Afternoons were a better time to scout for new hunting areas	❑1	❑2	❑3	❑4	❑5	❑6	❑7
g. Afternoons were better to locate roost sites for hunting the next day	❑1	❑2	❑3	❑4	❑5	❑6	❑7

33. If you hunted during the **afternoon**, where did you hunt most often? (✔ only one)

- ❑ Private land
- ❑ Federal Public Lands (National Forests)
- ❑ State Public Lands (Wildlife Management Areas)

34. Did you take a youth (under 16 years old) hunter spring gobbler hunting on the 2004 Youth Spring Hunt on April 3, 2004?

❑ Yes ❑ No

If no, skip to Question 35.

What level of experience did the young hunter have prior to the hunt? (✔ only one)

- ❑ Youth had never hunted any animal before
- ❑ Youth had never hunted spring gobblers before
- ❑ Youth had hunted spring gobblers less than 3 times previously
- ❑ Youth had hunted spring gobblers 3 or more times previously
- ❑ Not sure or don't recall

What relationship was the youth to you?

- ❑ Your son/daughter
- ❑ Son/Daughter of family member or relative
- ❑ Son/daughter of friends or coworkers
- ❑ Grandson/Granddaughter
- ❑ Other _____

Without the special youth hunting day (April 3, 2004) would you have taken a youth hunting during the regular spring gobbler season?

❑ Yes ❑ No ❑ Not Sure

35. Did you hunt specifically for raccoons during the 2004-2005 hunting season?

❑ Yes ❑ No

If yes, in which of the following regions did you hunt raccoons? (✔ only one)

- ❑ In counties east of the Blue Ridge Mountains only
- ❑ In counties west of the Blue Ridge Mountains only
- ❑ In counties both east and west of the Blue Ridge Mountains

36. Currently, the daily bag limit for raccoons is 2 per hunter east of the Blue Ridge Mountains and 2 per hunting party west of the Blue Ridge Mountains. Would you be in favor of standardizing the daily bag limit to 2 per hunter in all regions of the state (increasing the western daily bag limit from 2 per party to 2 per hunter)?

❑ Yes ❑ No ❑ No Opinion

The next few questions ask your views regarding managing DEER, regardless of the species you hunted.

37. How would you rate the size of the DEER HERD in the area in which you hunted most in 2004-2005:

Low			Moderate			High	No Opinion
❑1	❑2	❑3	❑4	❑5	❑6	❑7	❑8

38. When compared to previous years, would you say the number of DEER in the area you hunted in 2004-2005: (✔ only one)

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

39. What advice would you give the Department regarding how to manage the DEER HERD? (✔ only one).

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

40. In your opinion, how well does the Department of Game and Inland Fisheries incorporate public input into its deer management decisions?

Poor			Adequate			Excellent
❑1	❑2	❑3	❑4	❑5	❑6	❑7

41. Please indicate your support for each of the following gun deer season options (dates are for an average season):

	Strongly Oppose			Does Not Matter			Strongly Support
a. 1 week: Nov.16 - Nov.23	❑1	❑2	❑3	❑4	❑5	❑6	❑7
b. 2 weeks: Nov.16 - Nov.30	❑1	❑2	❑3	❑4	❑5	❑6	❑7
c. 4 weeks (continuous) Nov.16 - Dec.14	❑1	❑2	❑3	❑4	❑5	❑6	❑7
d. 4 weeks (split) Nov.16 - Nov. 30 and Dec.21 - Jan. 4	❑1	❑2	❑3	❑4	❑5	❑6	❑7
e. 7 weeks: Nov.16 - Jan. 4	❑1	❑2	❑3	❑4	❑5	❑6	❑7

42. The following questions pertain to hunting DEER. **If you did not hunt DEER during the 2004-05 season, skip to Question 54.**

If it is necessary to reduce the deer population in the area where you hunt, would you support or oppose a regulation that **requires** deer hunters to kill an antlerless deer (button buck or doe) before they could kill a second antlered deer?

Strongly Oppose			Does Not Matter			Strongly Support
❑1	❑2	❑3	❑4	❑5	❑6	❑7

43. If you were asked to help set the DAILY BAG LIMIT for DEER, please indicate the degree to which you would support or oppose each of the following daily limits:

	Strongly Oppose			Does Not Matter			Strongly Support
a. 1 deer per day	❑1	❑2	❑3	❑4	❑5	❑6	❑7
b. 2 deer per day	❑1	❑2	❑3	❑4	❑5	❑6	❑7
c. 3 deer per day	❑1	❑2	❑3	❑4	❑5	❑6	❑7
d. unlimited daily bag limit	❑1	❑2	❑3	❑4	❑5	❑6	❑7

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

	Strongly Oppose			Does Not Matter			Strongly Support
a. 1 antlered buck per year	❑1	❑2	❑3	❑4	❑5	❑6	❑7
b. 2 antlered bucks per year	❑1	❑2	❑3	❑4	❑5	❑6	❑7
c. 3 antlered bucks per year	❑1	❑2	❑3	❑4	❑5	❑6	❑7
d. unlimited antlered buck bag limit	❑1	❑2	❑3	❑4	❑5	❑6	❑7

45. During the 2004-2005 deer season, did you call VDGIF's 1-866-GOT-GAME telephone checking system?

❑ Yes ❑ No

If no, please skip to Question 46.

If yes, how many deer did you check? _____ Deer

If yes, please indicate your level of agreement with the following statements about GOT GAME:

	Strongly Disagree			Does Not Matter			Strongly Agree
It was simple to use	❑1	❑2	❑3	❑4	❑5	❑6	❑7
It was convenient	❑1	❑2	❑3	❑4	❑5	❑6	❑7
I will use it in the future	❑1	❑2	❑3	❑4	❑5	❑6	❑7

46. Regarding the one week EARLY WESTERN MUZZLELOADING SEASON, please indicate the degree to which you support or oppose the following statements:

	Strongly Oppose			Does Not Matter			Strongly Support
a. Hunters should be restricted to one antlered buck during this season	❑1	❑2	❑3	❑4	❑5	❑6	❑7
b. Hunters should be allowed to take the yearly limit of antlered bucks (currently 2 bucks per year) during this season	❑1	❑2	❑3	❑4	❑5	❑6	❑7

47. How many antlered bucks (with antlers visible above the hairline) and button bucks did you kill during the 2004-05 season (all weapons combined)?

# of Antlered Bucks (circle only one answer)	# of Button (fawn) Bucks (fill in the blank)
0 1 2 3	_____

Please complete the following information for each antlered buck you killed during 2004-05:

	Number of antler points	Length of longest antler beam (circle one)		
First antlered buck	_____	Longer than 3"	1-3"	Shorter than 1"
Second antlered buck	_____	Longer than 3"	1-3"	Shorter than 1"
Third antlered buck	_____	Longer than 3"	1-3"	Shorter than 1"

Were any of these antlered bucks mistaken for an antlerless deer when they were killed (that is, could you **not** see visible antlers when you shot)?

❑ Yes ❑ No

48. Please indicate how many days you hunted and the number of deer you killed during the following archery deer seasons during 2004-05:

	Days Hunted	Deer Killed
Urban archery (during September)	_____	_____
Early archery	_____	_____
Late archery	_____	_____
Urban archery (during January-March)	_____	_____

If you DID NOT hunt during the 2004-05 urban archery deer season, please indicate how important each of the following reasons were for not hunting.

	Not At All Important					Extremely Important	
a. I did not know about the urban archery season	❑1	❑2	❑3	❑4	❑5	❑6	❑7
b. I live too far from any locality participating in the season	❑1	❑2	❑3	❑4	❑5	❑6	❑7
c. I was unable to locate a property to hunt	❑1	❑2	❑3	❑4	❑5	❑6	❑7
d. I thought there were too many local restictions and requirements	❑1	❑2	❑3	❑4	❑5	❑6	❑7
e. I am not interested in hunting in urban areas	❑1	❑2	❑3	❑4	❑5	❑6	❑7
f. I am not comfortable hunting in developed areas	❑1	❑2	❑3	❑4	❑5	❑6	❑7
g. I didn't have enough time to hunt during the urban season	❑1	❑2	❑3	❑4	❑5	❑6	❑7

h. Other:_____

49. The following questions ask for your views regarding your GUN DEER HUNTING experiences. **If you did not hunt DEER with a GUN during the 2004-05 hunting seasons, skip to Question 54.**

Please indicate the county where you most often hunted DEER with a GUN during 2004-05.

_____ County

50. Overall, how do you rate the quality of your 2004-05 DEER (GUN) season?

Poor			Adequate		Excellent	
❑1	❑2	❑3	❑4	❑5	❑6	❑7

51. In the area where you hunt during the DEER (Gun) season, would you increase, decrease, or keep the number of DOE DAYS as it is now (✔ only one).

- ❑ Increase the number of doe days
- ❑ Keep the number of doe days the same
- ❑ Decrease the number of doe days
- ❑ No opinion

52. In the spaces below, please indicate the **number of days** you hunted DEER (GUN) on each of the following land types during the 2004-2005 season. If you did not hunt on a particular type of land, place zero (0) in the space.

_____ National Forest Lands

_____ State Wildlife Management Areas

_____ Private Land (excluding club or lease)

_____ Corporate Land (excluding hunt club or leased land)

_____ Military Lands

_____ Hunt Club(s) [on leased private land]

_____ Hunt Club(s) [on leased corporate land]

_____ Other (please specify_____)

53. Did you hunt deer with dogs during the 2004-2005 gun deer season?

❑ No ❑ Yes If yes, how many days? _____ Days

54. Please indicate the level of importance for you to have the option to use the VDGIF 1-866-GOT-GAME telephone checking system to check the following animals.

	Not at All Important			Moderately Important		Extremely Important	
a. Deer	❑1	❑2	❑3	❑4	❑5	❑6	❑7
b. Fall Turkey	❑1	❑2	❑3	❑4	❑5	❑6	❑7
c. Spring Turkey	❑1	❑2	❑3	❑4	❑5	❑6	❑7
d. Bear	❑1	❑2	❑3	❑4	❑5	❑6	❑7

55. How old are you? _____ years

56. Are you? ❑ Male ❑ Female

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.

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

THANKS AGAIN!

It is the policy of the Commonwealth of Virginia that personal information about citizens will be collected only to the extent necessary to provide the service or benefit desired; that only appropriate information will be collected; that the citizen shall understand the reason the information is collected and be able to examine their personal record which is maintained by the Virginia Department of Game and Inland Fisheries (VDGIF), according to the Government Data Collection and Dissemination Practices Act of Virginia (Code of Virginia, §§2.2-3800 through 2.2-3809).

Hunter Survey
Virginia Department of Game and Inland Fisheries
4010 West Broad Street
P.O. Box 11104
Richmond, VA 23230-1104