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Virginia Survey of Hunter Harvest, Effort, and Attitudes: 2005-2006

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Introduction

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

The Virginia Department of Game and Inland Fisheries has conducted 18 surveys since the program's inception during the 1965-1966 hunting season. These surveys provide valuable information to biologists and managers throughout Virginia. First, game harvest indices are used for monitoring changes in harvest and hunter effort across seasons. These data, in turn, are used to regulate harvests, evaluate habitat conditions, and monitor various aspects of the socio-economic environment (Steffen 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 2006. A random sample of 3,537 (1.5%)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 2004-2005 season (N=235,294). The sample was drawn from 2004-2005 paper licenses sold by license vendors and internet licenses sold on the Virginia Department of Game and Inland Fisheries website, from records maintained by the Administrative Services Division of the Department of Game and Inland Fisheries. The 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.
2004-2005 Hunting Population and Survey Sample Statistics

License Type	Population	Percent
State Resident Licenses	213,456	90.7%
County/City Licenses	9,811	4.2%
Senior (65+) Licenses	12,027	5.1%
Total	**235,294**	**100.0%**

Development of the Survey Instrument

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

Questions were grouped by topic and efforts were made to create a logical order (Dillman 2000). Questions about hunter sociodemographic characteristics were placed at the end of the survey. As Dillman (2000) noted, questions about respondent income are often seen as objectionable. Placing income and other potentially offensive questions at the end of the survey makes the respondent less likely to "quit" the survey and contributes to these questions seeming "less objectionable in light of previous questions already answered" (Dillman 2000, p.88). To ensure that information was gathered only from active hunters, a screening question was included that restricted responses to those who purchased a hunting license in the 2005-2006 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 study participants. Two weeks after the initial mailing, a post card reminder was sent to each hunter to encourage an early response. Non-respondents to the first mailing were identified and, when necessary, two follow-up mailings (consisting of the questionnaire, return envelope and a revised cover letter) were distributed.

The following dates were used for the administration of the 2005-2006 Virginia Hunter Survey:

May 11, 2006—First copy of the survey mailed
May 26, 2006—Reminder postcard mailed
June 8, 2006—Follow up mailing
June 22, 2006—Follow up mailing

Response Rate

By the end of the data collection period, 534 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 148 questionnaires were returned by addressees for reasons that included: did not purchase a license, did not hunt in the 2005-2006 season, refuse to complete survey, or the hunter is now deceased. These individuals were also removed resulting in a sample size of 2,855. Of these, a total of 1,360 usable questionnaires were received, resulting in an effective response rate of 47.6 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

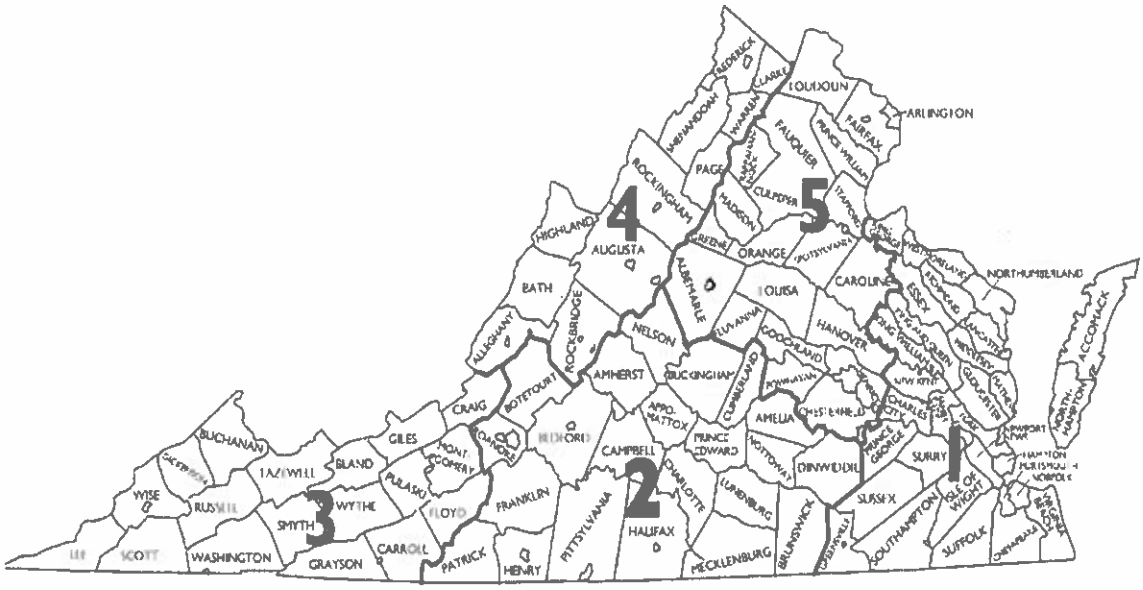
Data from returned questionnaires were entered into a computer file and analyzed using standard statistical techniques. Estimates of statewide and regional harvests of each species were generated. For each estimate, the level of precision (standard error) was specified. Although the sample was drawn from 2004-2005 license records, the majority of estimates (unless otherwise noted) were calculated based on the total licenses sold in 2005-2006. Again, a distribution proportionately representative of hunters among the three license categories (state resident, county/city, and senior) was maintained (Table 2).

Table 2.
2005-2006 Hunting Population and Survey Sample Statistics

License Type	Population	Percent
State Resident Licenses	206,644	90.7%
County/City Licenses	9,621	4.2%
Senior (65+) Licenses	11,721	5.1%
Total	**227,986**	**100%**

Regional comparisons were made based on the five regions of Virginia depicted in Figure 1. For a detailed account of the statistical formulas used for specific statewide and regional calculations of harvest estimates and standard errors, readers are referred to Steffen (1981).

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 2005-2006 hunting seasons. Statewide summaries are shown in Tables 3 and 4. Regional estimates are provided in Tables 5-44.

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 45-87 .

Care should be taken when comparing these regional data with regional data from studies conducted for the 1993-1994 season through 1996-1997 season. The statewide estimators remained unaffected by this change.

Parenthetical notations displayed immediately following a table title (e.g. Q24) refer to the specific question's number in the survey instrument.

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 2005-2006 hunting season (n=227,986). 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 <u>only</u> from those hunters who reported specifically hunting for that game animal.

4. Percentages may not always total 100 percent due to rounding or missing values.

5. Regions were renumbered after the 1993-1994 study. The composition of the regions, however, is consistent among studies. Please refer to the map, Figure 1 (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 5-44. 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 Game Harvest Based on the 2005-2006 Survey of Virginia Hunters.

SPECIES	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT TOTAL LICENSES
Dove	663339	4.789	16.2	85	132098	3.38	39059	17.1
Quail	66384	1.1	6.59	49.2	55361	5.69	9891	4.3
Woodcock	3017	0.215	0.7	30	10904	3.42	3353	1.5
Ruffed Grouse	14081	0.247	1.01	38.6	48147	4.16	11735	5.1
Crow	219269	2.907	13.2	81	63413	4.55	14081	6.2
Rabbit	280792	0.926	6.03	70.1	283388	6.52	43753	19.2
Gray Squirrel	608354	1.457	8.36	82.7	383446	5.75	66887	29.3
Fox Squirrel	70910	0.561	3.42	65.5	113909	6.06	18943	8.3
Total Squirrel	679264	1.267	9.31	82.5	497439	7.35	67893	29.8
Groundhog	378189	0.959	10.16	91.5	312264	10.69	29504	12.9
Archery Deer (Buck and Doe)	46771	0.058	0.56	34	663921	9	74431	32.6
Archery Deer (Buck)	18272	0.023	0.21	18.7	663921	9	74431	32.6
Archery Deer (Doe)	28498	0.034	0.35	21.4	663921	9	74431	32.6
Muzzleloader Deer (Buck and Doe)	77281	0.088	0.58	39.8	834992	6.58	127572	56
Muzzleloader Deer (Buck)	44927	0.052	0.34	29.8	834992	6.58	127572	56
Muzzleloader Deer (Doe)	32354	0.036	0.24	16.4	834992	6.58	127572	56
Gun Deer (Buck and Doe)	184840	0.089	0.98	49.4	1974582	10.78	183562	80.5
Gun Deer (Buck)	87635	0.042	0.46	35.1	1974582	10.78	183562	80.5
Gun Deer (Doe)	97133	0.047	0.5	30	1974582	10.78	183562	80.5
Total Deer	309074	0.084	1.53	61.9	3483110	17.98	194123	85.1
Total Deer (Buck)	150927	0.042	0.75	48.1	3483110	17.98	194123	85.1
Total Deer (Doe)	158030	0.042	0.78	37.6	3483110	17.98	194123	85.1
Spring Turkey 2005	21453	0.057	0.36	26.3	360657	6.28	57785	24.6
Spring Turkey 2006	24810	0.064	0.37	26.8	371359	5.85	63702	27.9
Fall Turkey 2005	10896	0.036	0.17	15.5	220594	4.67	47609	20.9
Total Turkey	35707	0.054	0.39	26.8	592663	7.27	81974	36
Bear	1006	0.005	0.04	3.7	101588	7.48	13579	6
Mallard Duck	60517	0.497	3.63	54.6	118687	7.3	16261	7.1
Wood Duck	28163	0.236	1.72	36.1	118687	7.3	16261	7.1
Black Duck	15925	0.133	0.97	23.7	118687	7.3	16261	7.1
Other Duck	51464	0.425	3.1	38.1	118687	7.3	16261	7.1
Total Duck (All Species)	156070	1.291	9.42	70.1	118687	7.3	16261	7.1
Goose (September)	27660	1.293	4.18	68.4	20619	3.24	6370	2.8
Goose (November-March)	67055	0.92	5.57	61.8	69066	6.06	11399	5
Total Goose	94715	1.006	6.73	66.3	89686	6.69	13411	5.9
Red Fox	16764	0.122	1.07	49.3	94952	8.58	11232	4.9
Gray Fox	16093	0.241	1.51	47.4	59846	6.26	9555	4.2
Coyote	21793	0.145	1.09	41.7	120452	7.56	16093	7.1
Raccoon	71916	0.395	6.16	81.8	143832	15.6	9220	4
Bobcat	2012	0.033	0.19	11.1	36042	5.97	6035	2.6

*Spring Turkey 2005 estimates were based on 2004-2005 total license sales 235,294.
All other estimates are based on 2005-2006 total license sales of 227,986

Table 4. Expanded Statewide Estimates of Total Harvest (With Standard Errors) for Virginia Game Species During 2005-2006.

SPECIES	TOTAL HARVEST	STANDARD ERROR SE	STANDARD ERROR AS % OF TOTAL *	95% CONFIDENCE INTERVAL LOWER LIMIT	95% CONFIDENCE INTERVAL UPPER LIMIT
Dove	663339	63295	9.54	539281	787397
Quail	66384	15874	23.91	35271	97497
Woodcock	3017	1109	36.76	843	5191
Ruffed Grouse	14081	3004	21.33	8193	19969
Crow	219269	80280	36.61	61920	376618
Rabbit	280792	32672	11.64	216755	344829
Gray Squirrel	608354	46375	7.62	517459	699249
Fox Squirrel	70910	10293	14.52	50736	91084
Total Squirrel	679264	50839	7.48	579620	778908
Groundhog	378189	57050	15.09	266371	490007
Archery Deer (Buck and Doe)	46771	4957	10.6	37055	56487
Archery Deer (Buck)	18272	1899	10.39	14550	21994
Archery Deer (Doe)	28498	4232	14.85	20203	36793
Muzzleloader Deer (Buck and Doe)	77281	5384	6.97	66728	87834
Muzzleloader Deer (Buck)	44927	3079	6.85	38892	50962
Muzzleloader Deer (Doe)	32354	3435	10.62	25621	39087
Gun Deer (Buck and Doe)	184840	9085	4.92	167033	202647
Gun Deer (Buck)	87635	4479	5.11	78856	96414
Gun Deer (Doe)	97133	6338	6.53	84711	109555
Total Deer	309074	13403	4.34	282804	335344
Total Deer (Buck)	150927	6373	4.22	138436	163418
Total Deer (Doe)	158030	9424	5.96	139559	176501
Spring Turkey 2005	21453	2390	11.14	16769	26137
Spring Turkey 2006	24810	2543	10.25	19826	29794
Fall Turkey 2005	10896	1709	15.68	7546	14246
Total Turkey	35707	3207	8.98	29421	41993
Bear	1006	580	57.65	0	2143
Mallard Duck	60517	13034	21.54	34970	86064
Wood Duck	28163	5860	20.81	16677	39649
Black Duck	15925	4335	27.22	7428	24422
Other Duck	51464	10792	20.97	30312	72616
Total Duck (All Species)	156070	27022	17.31	103107	209033
Goose (September)	27660	8027	29.02	11927	43393
Goose (November-March)	67055	14737	21.98	38170	95940
Total Goose	94715	20845	22.01	53859	135571
Red Fox	16764	3942	23.51	9038	24490
Gray Fox	16093	6132	38.1	4074	28112
Coyote	21793	5013	23	11968	31618
Raccoon	71916	16419	22.83	39735	104097
Bobcat	2012	748	37.18	546	3478

* % = 100(SE/Total harvest)

Table 5. Expanded Statewide and Regional Summaries of Dove Hunting in Virginia During the 2005-2006 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	200817	4.684	15.59	85.5	42695	3.33	12825	33.9
	(SE)	33096	0.432	1.92	4.1	6076	0.3	1430	3.2
	N	1351	76	76	76	1351	76	1351	224
2	ESTIMATE	250261	5.044	18.77	87.3	49614	3.72	13332	35.3
	(SE)	46352	0.989	2.83	3.8	10137	0.65	1456	3.2
	N	1351	79	79	79	1351	79	1351	224
3	ESTIMATE	34932	5.595	14.79	100	6244	2.64	2363	6.3
	(SE)	10593	1.154	2.23	0	1880	0.39	628	1.6
	N	1351	14	14	14	1351	14	1351	224
4	ESTIMATE	35944	3.87	13.93	86.7	9113	3.6	2531	6.7
	(SE)	11744	0.801	3.04	9.1	3149	0.86	650	1.7
	N	1351	15	15	15	1351	15	1351	224
5	ESTIMATE	102433	4.634	15.18	80	22107	3.28	6750	17.9
	(SE)	22381	0.502	2.35	6.4	4115	0.34	1052	2.6
	N	1351	40	40	40	1351	40	1351	224
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	663339	4.789	16.2	85	132098	3.38	39059	17.1
	(SE)	63295	0.401	1.25	2.3	12660	0.25	2330	1
	N	1360	233	233	233	1360	233	1360	1360

Table 6. Expanded Statewide and Regional Summaries of Quail Hunting in Virginia During the 2005-2006 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	17628	1.094	5.83	50	16129	5.33	3022	31.6
	(SE)	7542	0.333	2.15	12.1	5355	1.29	708	6.2
	N	1358	18	18	18	1357	18	1358	57
2	ESTIMATE	29044	0.788	7.43	56.5	30913	8.36	3861	40.4
	(SE)	10411	0.354	2.26	10.6	17310	4.44	799	6.6
	N	1358	22	23	23	1357	22	1358	57
3	ESTIMATE	5876	3.5	11.67	33.3	1680	3.33	504	5.3
	(SE)	5876	3.375	11.67	33.3	1088	1.2	291	3
	N	1358	3	3	3	1357	3	1358	57
4	ESTIMATE	1679	0.714	2.5	25	2352	3.5	672	7
	(SE)	1679	0.276	2.5	25	1729	2.18	335	3.4
	N	1358	4	4	4	1357	4	1358	57
5	ESTIMATE	11416	3.238	7.56	55.6	3528	2.33	1511	15.8
	(SE)	7213	1.491	4.3	17.6	1352	0.47	502	4.9
	N	1358	9	9	9	1357	9	1358	57
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	66384	1.1	6.59	49.2	55361	5.69	9891	4.3
	(SE)	15874	0.326	1.38	6.6	18230	1.74	1260	0.6
	N	1360	58	59	59	1359	58	1360	1360

Table 7. Expanded Statewide and Regional Summaries of Woodcock Hunting in Virginia During the 2005-2006 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	672	0.333	0.5	25	1008	1.5	672	23.5
1	(SE)	475	0.301	0.5	25	531	0.29	336	10.6
	N	1357	4	4	4	1357	4	1357	17
	ESTIMATE	672	0.308	0.8	40	2184	2.6	840	29.4
2	(SE)	475	0.134	0.49	24.5	1415	1.36	375	11.4
	N	1357	5	5	5	1357	5	1357	17
	ESTIMATE	168	0.1	1	100	1680	10	168	5.9
3	(SE)	168				1680		168	5.9
	N	1357	1	1	1	1357	1	1357	17
	ESTIMATE	504	0.13	1	33.3	3864	7.67	504	17.6
4	(SE)	504	0.026	1	33.3	3381	6.17	291	9.5
	N	1357	3	3	3	1357	3	1357	17
	ESTIMATE	672	0.364	1	25	1848	2.75	672	23.5
5	(SE)	672	0.132	1	25	1375	1.75	336	10.6
	N	1357	4	4	4	1357	4	1357	17
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	3017	0.215	0.7	30	10904	3.42	3353	1.5
STATEWIDE	(SE)	1109	0.059	0.27	10.5	4285	1.12	744	0.3
	N	1360	19	20	20	1359	19	1360	1360

Table 8. Expanded Statewide and Regional Summaries of Ruffed Grouse Hunting in Virginia During the 2005-2006 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
1	ESTIMATE	0	0	0	0	168	1	168	1.5
	(SE)	0				168		168	1.5
	N	1356	1	1	1	1356	1	1356	66
2	ESTIMATE	168	0.077	0.17	16.7	2186	2.17	1009	9.1
	(SE)	168	0.079	0.17	16.7	964	0.4	411	3.6
	N	1356	6	6	6	1356	6	1356	66
3	ESTIMATE	5548	0.217	1.27	38.5	25556	5.85	4371	39.4
	(SE)	2220	0.088	0.45	9.7	7310	1.25	849	6.1
	N	1356	26	26	26	1356	26	1356	66
4	ESTIMATE	4708	0.236	0.84	32	14964	3.56	4203	37.9
	(SE)	1590	0.089	0.3	9.5	4924	0.95	833	6
	N	1356	25	25	25	1356	25	1356	66
5	ESTIMATE	2186	0.52	1.63	62.5	4203	3.13	1345	12.1
	(SE)	1127	0.268	0.65	18.3	1877	0.91	474	4
	N	1356	8	8	8	1356	8	1356	66
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	14081	0.247	1.01	38.6	48147	4.16	11735	5.1
	(SE)	3004	0.059	0.21	5.9	9016	0.61	1366	0.6
	N	1360	69	70	70	1359	69	1360	1360

Table 9. Expanded Statewide and Regional Summaries of Crow Hunting in Virginia During the 2005-2006 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	64295	5.443	27.21	78.6	11821	5	2363	18.7
1	(SE)	59099	1.211	24.84	11.4	8502	3.47	628	4.5
	N	1351	14	14	14	1350	14	1351	75
	ESTIMATE	89608	3.058	18.89	85.7	29216	6.18	4725	37.3
2	(SE)	51670	1.745	10.53	6.7	8629	1.44	884	5.6
	N	1351	28	28	28	1350	28	1351	75
	ESTIMATE	14007	1.133	6	76.9	10133	5	2194	17.3
3	(SE)	5327	0.476	1.8	12.2	4150	1.52	606	4.4
	N	1351	12	13	13	1350	12	1351	75
	ESTIMATE	3544	0.846	1.57	85.7	2195	1.86	1181	9.3
4	(SE)	1378	0.288	0.37	14.3	1053	0.59	445	3.4
	N	1351	7	7	7	1350	7	1351	75
	ESTIMATE	8775	1.486	4	76.9	5911	2.69	2194	17.3
5	(SE)	3230	0.381	1.01	12.2	1956	0.51	606	4.4
	N	1351	13	13	13	1350	13	1351	75
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	219269	2.907	13.2	81	63413	4.55	14081	6.2
STATEWIDE	(SE)	80280	0.976	5.41	4.3	12966	0.8	1489	0.7
	N	1360	83	84	84	1359	83	1360	1360

Table 10. Expanded Statewide and Regional Summaries of Rabbit Hunting in Virginia During the 2005-2006 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	75540	0.866	7.98	70.9	86648	9.22	9400	23.4
	(SE)	21002	0.196	1.99	6.2	21512	1.95	1242	2.8
	N	1334	55	55	55	1334	55	1334	235
2	ESTIMATE	100662	1.135	7.35	77.5	88528	6.48	13672	34
	(SE)	18228	0.097	1.08	4.7	15891	0.93	1483	3.1
	N	1334	80	80	80	1334	80	1334	235
3	ESTIMATE	23072	0.763	3.97	70.6	30250	5.21	5811	14.5
	(SE)	7548	0.219	1.13	7.9	12857	2.06	984	2.3
	N	1334	34	34	34	1334	34	1334	235
4	ESTIMATE	24439	1.083	4.93	58.6	22559	4.55	4956	12.3
	(SE)	9351	0.321	1.68	9.3	5930	0.87	911	2.2
	N	1334	29	29	29	1334	29	1334	235
5	ESTIMATE	31275	0.732	4.95	73	42726	6.76	6323	15.7
	(SE)	11448	0.267	1.64	7.4	14444	2.03	1025	2.4
	N	1334	37	37	37	1334	37	1334	235
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	280792	0.926	6.03	70.1	283388	6.52	43753	19.2
	(SE)	32672	0.09	0.64	2.8	32812	0.66	2435	1.1
	N	1360	259	261	261	1358	259	1360	1360

Table 11. Expanded Statewide and Regional Summaries of Gray Squirrel Hunting in Virginia During the 2005-2006 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	51198	1.043	5.02	75	39717	4.81	8247	13.1
1	(SE)	10671	0.276	0.92	6.3	10469	1.08	1169	1.8
	N	1327	48	48	48	1326	48	1327	366
	ESTIMATE	186753	1.631	9.94	82.4	113133	6.09	18555	29.5
2	(SE)	33943	0.171	1.59	3.7	23447	1.14	1712	2.4
	N	1327	108	108	108	1326	108	1327	366
	ESTIMATE	67520	1.019	6.05	76.2	64304	5.94	10824	17.2
3	(SE)	12139	0.16	0.83	5.4	11954	0.83	1331	2
	N	1327	63	63	63	1326	63	1327	366
	ESTIMATE	134180	1.606	9.24	86.6	80638	5.79	14088	22.4
4	(SE)	21767	0.189	1.19	3.8	12236	0.62	1507	2.2
	N	1327	81	82	82	1326	81	1327	366
	ESTIMATE	113220	1.565	10.14	93.8	72385	6.48	11167	17.8
5	(SE)	20333	0.267	1.36	3	15155	1.11	1351	2
	N	1327	65	65	65	1326	65	1327	366
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	608354	1.457	8.36	82.7	383446	5.75	66887	29.3
STATEWIDE	(SE)	46375	0.091	0.59	1.9	32744	0.43	2816	1.2
	N	1360	397	399	399	1358	397	1360	1360

Table 12. Expanded Statewide and Regional Summaries of Fox Squirrel Hunting in Virginia During the 2005-2006 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
1	ESTIMATE	0	0	0	0	506	3	169	0.9
	(SE)	0				506		169	0.9
	N	1353	1	1	1	1352	1	1353	106
2	ESTIMATE	3707	0.667	2.44	55.6	5565	3.67	1517	8.5
	(SE)	1874	0.25	0.99	17.6	2067	0.65	504	2.7
	N	1353	9	9	9	1352	9	1353	106
3	ESTIMATE	20895	0.459	2.92	68.4	40808	6.37	6403	35.8
	(SE)	4962	0.108	0.59	7.6	10348	1.27	1024	4.7
	N	1353	38	38	38	1352	38	1353	106
4	ESTIMATE	35723	0.668	4.2	72	51769	6.27	8425	47.2
	(SE)	8026	0.133	0.76	6.4	10073	0.85	1170	4.9
	N	1353	49	50	50	1352	49	1353	106
5	ESTIMATE	5224	0.66	3.88	50	7926	5.88	1348	7.5
	(SE)	3648	0.214	2.5	18.9	3918	2.17	475	2.6
	N	1353	8	8	8	1352	8	1353	106
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	70910	0.561	3.42	65.5	113909	6.06	18943	8.3
	(SE)	10293	0.076	0.44	4.5	15361	0.61	1707	0.7
	N	1360	112	113	113	1359	112	1360	1360

Table 13. Expanded Statewide Summaries of Total Squirrel Hunting in Virginia During the 2005-2006 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENSES
	ESTIMATE	679264	1.267	9.31	82.5	497439	7.35	67893	29.8
Statewide	(SE)	50839	0.08	0.63	1.9	41518	0.53	2828	1.2
	N	1360	403	405	405	1358	403	1360	1360

Table 14. Expanded Statewide and Regional Summaries of Groundhog Hunting in Virginia During the 2005-2006 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	32569	1.096	8.58	91.7	16125	7.83	2057	8.2
	(SE)	16947	0.203	3.91	8.3	7271	2.84	591	2.3
	N	1330	12	12	12	1329	12	1330	146
2	ESTIMATE	79367	0.724	11.23	97.5	106359	15.5	6857	27.4
	(SE)	26046	0.213	3.4	2.5	33612	4.31	1068	3.7
	N	1330	40	40	40	1329	40	1330	146
3	ESTIMATE	55025	0.846	9.18	100	61414	10.85	5657	22.6
	(SE)	13537	0.09	1.79	0	14986	1.91	973	3.5
	N	1330	33	33	33	1329	33	1330	146
4	ESTIMATE	76967	1.57	14.4	90	46661	9.38	5143	20.5
	(SE)	23283	0.36	3.76	5.6	14072	2.28	929	3.4
	N	1330	29	30	30	1329	29	1330	146
5	ESTIMATE	33427	0.789	4.45	87.1	30021	5.65	5314	21.2
	(SE)	11243	0.155	0.71	6.1	7913	1.12	944	3.4
	N	1330	31	31	31	1329	31	1330	146
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	378189	0.959	10.16	91.5	312264	10.69	29504	12.9
	(SE)	57050	0.107	1.56	2.1	47545	1.44	2076	0.9
	N	1360	174	176	176	1358	174	1360	1360

Table 15. Expanded Statewide and Regional Summaries of Archery Deer (Buck and Doe) Hunting in Virginia During the 2005-2006 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	9542	0.092	0.76	39.4	100246	8.27	12098	16.8
1	(SE)	2335	0.018	0.17	5.8	15149	0.81	1398	1.8
	N	1338	71	71	71	1335	71	1338	422
	ESTIMATE	6305	0.043	0.38	26.7	134059	8.72	15335	21.3
2	(SE)	1466	0.008	0.08	4.7	17800	0.75	1562	2
	N	1338	90	90	90	1335	90	1338	422
	ESTIMATE	8690	0.05	0.54	34	172313	11.09	16017	22.3
3	(SE)	1679	0.008	0.09	4.9	23525	1.02	1594	2
	N	1338	91	94	94	1335	91	1338	422
	ESTIMATE	7838	0.067	0.58	36.8	112371	8.66	12950	18
4	(SE)	1509	0.011	0.1	5.6	15136	0.66	1443	1.9
	N	1338	76	76	76	1335	76	1338	422
	ESTIMATE	6986	0.054	0.44	35.2	127399	8.2	15506	21.6
5	(SE)	1295	0.009	0.07	5	16343	0.65	1570	2
	N	1338	91	91	91	1335	91	1338	422
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	46771	0.058	0.56	34	663921	9	74431	32.6
STATEWIDE	(SE)	4957	0.005	0.06	2.3	36725	0.35	2900	1.3
	N	1360	438	444	444	1354	438	1360	1360

Table 16: Expanded Statewide and Regional Summaries of Archery Deer (Buck) Hunting in Virginia During the 2005-2006 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	3919	0.037	0.31	23.9	100246	8.27	12098	16.8
	(SE)	973	0.008	0.07	5.1	15149	0.81	1398	1.8
	N	1338	71	71	71	1335	71	1338	422
2	ESTIMATE	3237	0.023	0.2	17.8	134059	8.72	15335	21.3
	(SE)	813	0.005	0.05	4.1	17800	0.75	1562	2
	N	1338	90	90	90	1335	90	1338	422
3	ESTIMATE	3237	0.019	0.2	19.1	172313	11.09	16017	22.3
	(SE)	776	0.004	0.04	4.1	23525	1.02	1594	2
	N	1338	91	94	94	1335	91	1338	422
4	ESTIMATE	3237	0.027	0.24	21.1	112371	8.66	12950	18
	(SE)	813	0.006	0.06	4.7	15136	0.66	1443	1.9
	N	1338	76	76	76	1335	76	1338	422
5	ESTIMATE	2556	0.019	0.15	14.3	127399	8.2	15506	21.6
	(SE)	699	0.005	0.04	3.7	16343	0.65	1570	2
	N	1338	91	91	91	1335	91	1338	422
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	18272	0.023	0.21	18.7	663921	9	74431	32.6
	(SE)	1899	0.002	0.02	1.9	36725	0.35	2900	1.3
	N	1360	438	444	444	1354	438	1360	1360

Table 17. Expanded Statewide and Regional Summaries of Archery Deer (Doe) Hunting in Virginia During the 2005-2006 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	5623	0.055	0.45	26.8	100246	8.27	12098	16.8
1	(SE)	1706	0.015	0.13	5.3	15149	0.81	1398	1.8
	N	1338	71	71	71	1335	71	1338	422
	ESTIMATE	3067	0.02	0.18	11.1	134059	8.72	15335	21.3
2	(SE)	1019	0.006	0.06	3.3	17800	0.75	1562	2
	N	1338	90	90	90	1335	90	1338	422
	ESTIMATE	5453	0.031	0.34	21.3	172313	11.09	16017	22.3
3	(SE)	1290	0.007	0.07	4.2	23525	1.02	1594	2
	N	1338	91	94	94	1335	91	1338	422
	ESTIMATE	4601	0.04	0.34	28.9	112371	8.66	12950	18
4	(SE)	1001	0.008	0.07	5.2	15136	0.66	1443	1.9
	N	1338	76	76	76	1335	76	1338	422
	ESTIMATE	4430	0.035	0.29	22	127399	8.2	15506	21.6
5	(SE)	1071	0.008	0.06	4.4	16343	0.65	1570	2
	N	1338	91	91	91	1335	91	1338	422
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	28498	0.034	0.35	21.4	663921	9	74431	32.6
STATEWIDE	(SE)	4232	0.004	0.05	1.9	36725	0.35	2900	1.3
	N	1360	438	444	444	1354	438	1360	1360

Table 18. Expanded Statewide and Regional Summaries of Muzzleloader Deer (Buck and Doe) Hunting in Virginia During the 2005-2006 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	11442	0.112	0.66	41	101137	5.9	17078	13.6
	(SE)	2290	0.018	0.12	4.9	11290	0.34	1643	1.3
	N	1335	100	100	100	1330	100	1335	736
2	ESTIMATE	25446	0.111	0.73	49.2	221472	6.63	33301	26.5
	(SE)	3957	0.016	0.11	3.6	17751	0.3	2205	1.6
	N	1335	195	195	195	1330	195	1335	736
3	ESTIMATE	11442	0.055	0.42	32.9	190960	7.38	26470	21.1
	(SE)	1705	0.007	0.06	3.8	18408	0.43	2000	1.5
	N	1335	151	155	155	1330	151	1335	736
4	ESTIMATE	11442	0.07	0.44	35.3	158390	6.2	25616	20.4
	(SE)	1653	0.009	0.05	3.9	15372	0.37	1971	1.5
	N	1335	149	150	150	1330	149	1335	736
5	ESTIMATE	15199	0.097	0.65	39	157019	6.74	23226	18.5
	(SE)	2482	0.013	0.09	4.2	16906	0.48	1888	1.4
	N	1335	136	136	136	1330	136	1335	736
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	77281	0.088	0.58	39.8	834992	6.58	127572	56
	(SE)	5384	0.006	0.04	1.8	29613	0.17	3070	1.3
	N	1360	752	761	761	1351	752	1360	1360

Table 19. Expanded Statewide and Regional Summaries of Muzzleloader Deer (Buck) Hunting in Virginia During the 2005-2006 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	6319	0.061	0.36	30	101137	5.9	17078	13.6
1	(SE)	1183	0.009	0.06	4.6	11290	0.34	1643	1.3
	N	1335	100	100	100	1330	100	1335	736
	ESTIMATE	15711	0.07	0.46	37.9	221472	6.63	33301	26.5
2	(SE)	2264	0.009	0.06	3.5	17751	0.3	2205	1.6
	N	1335	195	195	195	1330	195	1335	736
	ESTIMATE	6831	0.032	0.25	22.6	190960	7.38	26470	21.1
3	(SE)	1143	0.005	0.04	3.4	18408	0.43	2000	1.5
	N	1335	151	155	155	1330	151	1335	736
	ESTIMATE	7685	0.048	0.3	28	158390	6.2	25616	20.4
4	(SE)	1202	0.007	0.04	3.7	15372	0.37	1971	1.5
	N	1335	149	150	150	1330	149	1335	736
	ESTIMATE	7343	0.047	0.32	29.4	157019	6.74	23226	18.5
5	(SE)	1179	0.007	0.04	3.9	16906	0.48	1888	1.4
	N	1335	136	136	136	1330	136	1335	736
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	44927	0.052	0.34	29.8	834992	6.58	127572	56
STATEWIDE	(SE)	3079	0.003	0.02	1.7	29613	0.17	3070	1.3
	N	1360	752	761	761	1351	752	1360	1360

Table 20. Expanded Statewide and Regional Summaries of Muzzleloader Deer (Doe) Hunting in Virginia During the 2005-2006 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	5123	0.051	0.3	18	101137	5.9	17078	13.6
	(SE)	1615	0.015	0.09	3.9	11290	0.34	1643	1.3
	N	1335	100	100	100	1330	100	1335	736
2	ESTIMATE	9734	0.041	0.27	19	221472	6.63	33301	26.5
	(SE)	2096	0.009	0.06	2.8	17751	0.3	2205	1.6
	N	1335	195	195	195	1330	195	1335	736
3	ESTIMATE	4611	0.022	0.17	14.2	190960	7.38	26470	21.1
	(SE)	1031	0.005	0.04	2.8	18408	0.43	2000	1.5
	N	1335	151	155	155	1330	151	1335	736
4	ESTIMATE	3757	0.023	0.14	12.7	158390	6.2	25616	20.4
	(SE)	865	0.005	0.03	2.7	15372	0.37	1971	1.5
	N	1335	149	150	150	1330	149	1335	736
5	ESTIMATE	7856	0.05	0.34	19.1	157019	6.74	23226	18.5
	(SE)	1890	0.011	0.08	3.4	16906	0.48	1888	1.4
	N	1335	136	136	136	1330	136	1335	736
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	32354	0.036	0.24	16.4	834992	6.58	127572	56
	(SE)	3435	0.004	0.03	1.3	29613	0.17	3070	1.3
	N	1360	752	761	761	1351	752	1360	1360

Table 21. Expanded Statewide and Regional Summaries of Gun Deer (Buck and Doe) Hunting in Virginia During the 2005-2006 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	43743	0.091	1.26	53.6	473023	13.87	33918	18.7
1	(SE)	5601	0.01	0.14	3.6	40644	0.76	2248	1.2
	N	1303	194	194	194	1297	194	1304	1039
	ESTIMATE	46542	0.08	0.92	50.5	570229	11.46	49828	27.4
2	(SE)	4406	0.006	0.07	3	38191	0.48	2610	1.4
	N	1303	283	285	285	1297	283	1304	1039
	ESTIMATE	26246	0.109	0.8	44.1	233611	7.26	32519	17.9
3	(SE)	4225	0.017	0.12	3.7	19661	0.36	2209	1.2
	N	1303	183	185	186	1297	183	1304	1039
	ESTIMATE	20471	0.076	0.64	42.3	269118	8.41	31820	17.5
4	(SE)	2587	0.008	0.07	3.7	23059	0.43	2189	1.2
	N	1303	182	182	182	1297	182	1304	1039
	ESTIMATE	40768	0.099	1.21	57.3	408160	12.22	33568	18.5
5	(SE)	4655	0.009	0.11	3.6	35331	0.67	2238	1.2
	N	1303	190	192	192	1297	190	1304	1039
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	184840	0.089	0.96	49.4	1974582	10.78	183562	80.5
STATEWIDE	(SE)	9085	0.004	0.04	1.5	53412	0.25	2450	1.1
	N	1358	1083	1093	1095	1348	1083	1360	1360

Table 22. Expanded Statewide and Regional Summaries of Gun Deer (Buck) Hunting in Virginia During the 2005-2006 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	19947	0.041	0.57	37.1	473023	13.87	33918	18.7
	(SE)	2723	0.005	0.07	3.5	40644	0.76	2248	1.2
	N	1303	194	194	194	1297	194	1304	1039
2	ESTIMATE	23621	0.04	0.46	38.2	570229	11.46	49828	27.4
	(SE)	2329	0.003	0.04	2.9	38191	0.48	2610	1.4
	N	1303	283	285	285	1297	283	1304	1039
3	ESTIMATE	13998	0.057	0.42	32.8	233611	7.26	32519	17.9
	(SE)	2263	0.009	0.06	3.5	19661	0.36	2209	1.2
	N	1303	183	185	186	1297	183	1304	1039
4	ESTIMATE	9623	0.036	0.3	25.8	269118	8.41	31820	17.5
	(SE)	1451	0.005	0.04	3.3	23059	0.43	2189	1.2
	N	1303	182	182	182	1297	182	1304	1039
5	ESTIMATE	18547	0.045	0.55	42.2	408160	12.22	33568	18.5
	(SE)	2182	0.005	0.05	3.6	35331	0.67	2238	1.2
	N	1303	190	192	192	1297	190	1304	1039
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	87635	0.042	0.46	35.1	1974582	10.78	183562	80.5
	(SE)	4479	0.002	0.02	1.4	53412	0.25	2450	1.1
	N	1358	1083	1093	1095	1348	1083	1360	1360

Table 23. Expanded Statewide and Regional Summaries of Gun Deer (Doe) Hunting in Virginia During the 2005-2006 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	23796	0.049	0.69	36.1	473023	13.87	33918	18.7
1	(SE)	3761	0.007	0.1	3.5	40644	0.76	2248	1.2
	N	1303	194	194	194	1297	194	1304	1039
	ESTIMATE	22921	0.039	0.45	30.2	570229	11.46	49828	27.4
2	(SE)	2744	0.004	0.05	2.7	38191	0.48	2610	1.4
	N	1303	283	285	285	1297	283	1304	1039
	ESTIMATE	12248	0.052	0.38	23.1	233611	7.26	32519	17.9
3	(SE)	2414	0.01	0.07	3.1	19661	0.36	2209	1.2
	N	1303	183	185	186	1297	183	1304	1039
	ESTIMATE	10848	0.04	0.34	24.2	269118	8.41	31820	17.5
4	(SE)	1777	0.006	0.05	3.2	23059	0.43	2189	1.2
	N	1303	182	182	182	1297	182	1304	1039
	ESTIMATE	22221	0.055	0.66	35.4	408160	12.22	33568	18.5
5	(SE)	3230	0.007	0.09	3.5	35331	0.67	2238	1.2
	N	1303	190	192	192	1297	190	1304	1039
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	97133	0.047	0.5	30	1974582	10.78	183562	80.5
STATEWIDE	(SE)	6338	0.003	0.03	1.4	53412	0.25	2450	1.1
	N	1359	1083	1094	1095	1348	1083	1360	1360

Table 24. Expanded Statewide Summaries of Total Deer Hunting in Virginia During the 2005-2006 Hunting Season (Archery, Muzzleloader, and Gun Combined).

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENSES
Statewide	ESTIMATE	309074	0.084	1.53	61.9	3483110	17.98	194123	85.1
	(SE)	13403	0.003	0.06	1.4	85985	0.39	2199	1
	N	1358	1141	1156	1158	1343	1141	1360	1360

Table 25. Expanded Statewide Summaries of Total Deer (Buck) Hunting in Virginia During the 2005-2006 Hunting Season (Archery, Muzzleloader, and Gun Combined).

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENSES
Statewide	ESTIMATE	150927	0.042	0.75	48.1	3483110	17.98	194123	85.1
	(SE)	6373	0.002	0.03	1.5	85985	0.39	2199	1
	N	1358	1141	1156	1158	1343	1141	1360	1360

Table 26. Expanded Statewide Summaries of Total Deer (Doe) Hunting in Virginia During the 2005-2006 Hunting Season (Archery, Muzzleloader, and Gun Combined).

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENSES
Statewide	ESTIMATE	158030	0.042	0.78	37.6	3483110	17.98	194123	85.1
	(SE)	9424	0.002	0.05	1.4	85985	0.39	2199	1
	N	1359	1141	1157	1158	1343	1141	1360	1360

Table 27. Expanded Statewide and Regional Summaries of Spring Turkey 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	3517	0.061	0.35	28.1	58032	5.79	10039	18.3
1	(SE)	926	0.013	0.08	6	11418	0.86	1301	2.2
	N	1338	57	57	57	1338	57	1336	312
	ESTIMATE	5627	0.052	0.36	27.6	105689	6.91	15322	27.9
2	(SE)	1209	0.009	0.07	4.8	15259	0.7	1589	2.5
	N	1338	87	87	87	1338	87	1336	312
	ESTIMATE	7386	0.089	0.58	38.4	81191	6.49	12857	23.4
3	(SE)	1560	0.015	0.1	5.7	12068	0.61	1464	2.4
	N	1338	73	73	73	1336	71	1336	312
	ESTIMATE	1934	0.034	0.21	15.4	56449	6.17	9158	16.7
4	(SE)	765	0.012	0.08	5.1	9610	0.64	1246	2.1
	N	1338	52	52	52	1338	52	1336	312
	ESTIMATE	2110	0.047	0.28	20.9	44667	5.91	7573	13.8
5	(SE)	744	0.014	0.09	6.3	9208	0.84	1137	2
	N	1338	43	43	43	1338	43	1336	312
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	21453	0.057	0.36	26.3	360657	6.28	57785	24.6
STATEWIDE	(SE)	2390	0.005	0.04	2.4	25001	0.32	2747	1.2
	N	1360	334	334	334	1357	331	1360	1360

Table 28. Expanded Statewide and Regional Summaries of Spring Turkey Hunting in Virginia During the 2005-2006 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	5449	0.071	0.43	31.1	76905	6.09	12600	20.6
1	(SE)	1243	0.012	0.09	5.4	12636	0.73	1424	2.1
	N	1339	74	74	74	1337	74	1339	359
	ESTIMATE	8173	0.072	0.47	31.4	114249	6.63	17367	28.4
2	(SE)	1545	0.01	0.08	4.6	14726	0.58	1653	2.4
	N	1339	101	102	102	1337	101	1339	359
	ESTIMATE	5619	0.068	0.4	30	80486	5.97	13621	22.3
3	(SE)	1207	0.012	0.08	5.2	11325	0.53	1477	2.2
	N	1339	79	80	80	1337	79	1339	359
	ESTIMATE	1192	0.024	0.13	12.7	48939	5.22	9365	15.3
4	(SE)	449	0.009	0.05	4.5	8667	0.62	1237	1.9
	N	1339	55	55	55	1337	55	1339	359
	ESTIMATE	3576	0.084	0.42	29.2	40754	4.98	8173	13.4
5	(SE)	1003	0.016	0.11	6.6	8160	0.71	1159	1.8
	N	1339	48	48	48	1337	48	1339	359
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	24810	0.064	0.37	26.6	371359	5.85	63702	27.9
STATEWIDE	(SE)	2543	0.005	0.04	2.3	23921	0.28	2775	1.2
	N	1360	378	380	380	1358	378	1360	1360

Table 29. Expanded Statewide and Regional Summaries of Fall Turkey Hunting in Virginia During the 2005-2006 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	855	0.016	0.09	9.4	31151	5.69	5473	12.5
	(SE)	382	0.01	0.05	5.2	9033	1.34	956	2.1
	N	1333	32	32	32	1332	32	1333	257
2	ESTIMATE	2908	0.038	0.2	17.7	71716	5.3	13512	30.7
	(SE)	780	0.009	0.05	4.3	11630	0.64	1475	2.9
	N	1333	79	79	79	1332	79	1333	257
3	ESTIMATE	2737	0.049	0.22	20.3	45186	4.19	10946	24.9
	(SE)	722	0.014	0.06	5.1	7400	0.46	1336	2.7
	N	1333	63	64	64	1332	63	1333	257
4	ESTIMATE	1881	0.028	0.11	11.4	30638	4.07	7525	17.1
	(SE)	1094	0.012	0.05	4.8	5697	0.46	1116	2.4
	N	1333	44	44	44	1332	44	1333	257
5	ESTIMATE	1368	0.045	0.21	21.1	30124	4.63	6499	14.8
	(SE)	482	0.014	0.07	6.7	6704	0.73	1040	2.2
	N	1333	38	38	38	1332	38	1333	257
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	10896	0.036	0.17	15.5	220594	4.67	47609	20.9
	(SE)	1709	0.005	0.02	2.2	18111	0.29	2514	1.1
	N	1360	281	284	284	1357	281	1360	1360

Table 30. Expanded Statewide Summaries of Total Turkey Hunting in Virginia During the 2005-2006 Hunting Season (Fall 2005 and Spring 2006 Combined).

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENSES
Statewide	ESTIMATE	35707	0.054	0.39	26.8	592663	7.27	81974	36
	(SE)	3207	0.004	0.03	2	33632	0.32	2968	1.3
	N	1360	485	489	489	1356	485	1360	1360

Table 31. Expanded Statewide and Regional Summaries of Bear Hunting in Virginia During the 2005-2006 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
1	ESTIMATE	0	0	0	0	2363	7	338	2.8
	(SE)	0	0	0	0	2053	5	239	2
	N	1351	2	2	2	1351	2	1351	72
2	ESTIMATE	0	0	0	0	15188	8.18	1856	15.3
	(SE)	0	0	0	0	5906	2.12	558	4.3
	N	1351	11	11	11	1351	11	1351	72
3	ESTIMATE	338	0.024	0.13	12.5	14007	5.19	2700	22.2
	(SE)	239	0.018	0.09	8.5	4592	1.14	671	4.9
	N	1351	16	16	16	1351	16	1351	72
4	ESTIMATE	675	0.004	0.03	3.4	40332	8.24	4894	40.3
	(SE)	534	0.004	0.03	3.4	11363	1.79	899	5.8
	N	1351	29	29	29	1351	29	1351	72
5	ESTIMATE	0	0	0	0	24301	10.29	2363	19.4
	(SE)	0	0	0	0	13398	5.15	628	4.7
	N	1351	14	14	14	1351	14	1351	72
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	1006	0.005	0.04	3.7	101588	7.48	13579	6
	(SE)	580	0.003	0.02	2.1	19112	1.16	1464	0.6
	N	1360	81	81	81	1360	81	1360	1360

Table 32. Expanded Statewide and Regional Summaries of Mallard Duck Hunting in Virginia During the 2005-2006 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	25425	0.396	3.23	63.6	60448	8.16	7409	48.4
	(SE)	6896	0.092	0.79	7.3	11689	1.02	1099	5.3
	N	1354	44	44	44	1354	44	1354	91
2	ESTIMATE	3368	0.308	1.54	23.1	10945	5	2189	14.3
	(SE)	2075	0.151	0.88	12.2	4794	1.77	604	3.7
	N	1354	13	13	13	1354	13	1354	91
3	ESTIMATE	8419	1.087	10	40	7745	9.2	842	5.5
	(SE)	8089	0.512	9.51	24.5	5077	4.93	376	2.4
	N	1354	5	5	5	1354	5	1354	91
4	ESTIMATE	10103	0.845	6	70	11955	7.1	1684	11
	(SE)	5217	0.146	2.59	15.3	6086	2.99	531	3.3
	N	1354	10	10	10	1354	10	1354	91
5	ESTIMATE	12628	0.497	3.95	63.2	25425	7.95	3199	20.9
	(SE)	5308	0.155	1.43	11.4	7782	1.67	729	4.3
	N	1354	19	19	19	1354	19	1354	91
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	60517	0.497	3.63	54.6	118687	7.3	16261	7.1
	(SE)	13034	0.081	0.72	5.1	16580	0.73	1592	0.7
	N	1360	97	97	97	1360	97	1360	1360

Table 33. Expanded Statewide and Regional Summaries of Wood Duck Hunting in Virginia During the 2005-2006 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	14817	0.245	2	34.1	60448	8.16	7409	48.4
1	(SE)	4859	0.062	0.59	7.2	11689	1.02	1099	5.3
	N	1354	44	44	44	1354	44	1354	91
	ESTIMATE	3873	0.354	1.77	53.8	10945	5	2189	14.3
2	(SE)	1656	0.154	0.6	14.4	4794	1.77	604	3.7
	N	1354	13	13	13	1354	13	1354	91
	ESTIMATE	505	0.065	0.6	20	7745	9.2	842	5.5
3	(SE)	505	0.034	0.6	20	5077	4.93	376	2.4
	N	1354	5	5	5	1354	5	1354	91
	ESTIMATE	2021	0.169	1.2	40	11955	7.1	1684	11
4	(SE)	1141	0.03	0.59	16.3	6086	2.99	531	3.3
	N	1354	10	10	10	1354	10	1354	91
	ESTIMATE	6062	0.238	1.89	36.8	25425	7.95	3199	20.9
5	(SE)	2527	0.088	0.68	11.4	7782	1.67	729	4.3
	N	1354	19	19	19	1354	19	1354	91
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	28163	0.236	1.72	36.1	118687	7.3	16261	7.1
STATEWIDE	(SE)	5860	0.04	0.32	4.9	16580	0.73	1592	0.7
	N	1360	97	97	97	1360	97	1360	1360

Table 34. Expanded Statewide and Regional Summaries of Black Duck Hunting in Virginia During the 2005-2006 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	10103	0.167	1.36	29.5	60448	8.16	7409	48.4
	(SE)	3688	0.055	0.46	7	11689	1.02	1099	5.3
	N	1354	44	44	44	1354	44	1354	91
2	ESTIMATE	168	0.015	0.08	7.7	10945	5	2189	14.3
	(SE)	168	0.016	0.08	7.7	4794	1.77	604	3.7
	N	1354	13	13	13	1354	13	1354	91
3	ESTIMATE	1684	0.217	2	20	7745	9.2	842	5.5
	(SE)	1684	0.112	2	20	5077	4.93	376	2.4
	N	1354	5	5	5	1354	5	1354	91
4	ESTIMATE	2357	0.197	1.4	40	11955	7.1	1684	11
	(SE)	1303	0.04	0.67	16.3	6086	2.99	531	3.3
	N	1354	10	10	10	1354	10	1354	91
5	ESTIMATE	1515	0.06	0.47	21.1	25425	7.95	3199	20.9
	(SE)	937	0.034	0.28	9.6	7782	1.67	729	4.3
	N	1354	19	19	19	1354	19	1354	91
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	15925	0.133	0.97	23.7	118687	7.3	16261	7.1
	(SE)	4335	0.031	0.25	4.3	16580	0.73	1592	0.7
	N	1360	97	97	97	1360	97	1360	1360

Table 35. Expanded Statewide and Regional Summaries of Other Duck Hunting in Virginia During the 2005-2006 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	36202	0.591	4.82	54.5	60448	8.16	7409	48.4
	(SE)	9622	0.123	1.09	7.6	11689	1.02	1099	5.3
	N	1354	44	44	44	1354	44	1354	91
2	ESTIMATE	1010	0.092	0.46	15.4	10945	5	2189	14.3
	(SE)	714	0.049	0.31	10.4	4794	1.77	604	3.7
	N	1354	13	13	13	1354	13	1354	91
3	ESTIMATE	1852	0.239	2.2	20	7745	9.2	842	5.5
	(SE)	1852	0.123	2.2	20	5077	4.93	376	2.4
	N	1354	5	5	5	1354	5	1354	91
4	ESTIMATE	3368	0.282	2	20	11955	7.1	1684	11
	(SE)	2380	0.099	1.33	13.3	6086	2.99	531	3.3
	N	1354	10	10	10	1354	10	1354	91
5	ESTIMATE	8082	0.318	2.53	36.8	25425	7.95	3199	20.9
	(SE)	3944	0.141	1.12	11.4	7782	1.67	729	4.3
	N	1354	19	19	19	1354	19	1354	91
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	51464	0.425	3.1	38.1	118687	7.3	16261	7.1
	(SE)	10792	0.073	0.59	5	16580	0.73	1592	0.7
	N	1360	97	97	97	1360	97	1360	1360

Table 36. Expanded Statewide and Regional Summaries of Total Duck (All Species) Hunting in Virginia During the 2005-2006 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	86547	1.398	11.41	75	60448	8.16	7409	48.4
1	(SE)	19347	0.203	2	6.6	11689	1.02	1099	5.3
	N	1354	44	44	44	1354	44	1354	91
	ESTIMATE	8419	0.769	3.85	53.8	10945	5	2189	14.3
2	(SE)	3760	0.258	1.4	14.4	4794	1.77	604	3.7
	N	1354	13	13	13	1354	13	1354	91
	ESTIMATE	12460	1.609	14.8	40	7745	9.2	842	5.5
3	(SE)	12128	0.78	14.31	24.5	5077	4.93	376	2.4
	N	1354	5	5	5	1354	5	1354	91
	ESTIMATE	17848	1.493	10.6	90	11955	7.1	1684	11
4	(SE)	9853	0.26	5.06	10	6086	2.99	531	3.3
	N	1354	10	10	10	1354	10	1354	91
	ESTIMATE	28288	1.113	8.84	78.9	25425	7.95	3199	20.9
5	(SE)	10575	0.31	2.69	9.6	7782	1.67	729	4.3
	N	1354	19	19	19	1354	19	1354	91
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	156070	1.291	9.42	70.1	118687	7.3	16261	7.1
STATEWIDE	(SE)	27022	0.142	1.38	4.7	16580	0.73	1592	0.7
	N	1360	97	97	97	1360	97	1360	1360

Table 37. Expanded Statewide and Regional Summaries of Goose (September) Hunting in Virginia During the 2005-2006 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	11593	1.643	5.31	69.2	7056	3.23	2184	37.1
1	(SE)	5351	0.432	2.04	13.3	2284	0.57	603	8.3
	N	1357	13	13	13	1357	13	1357	35
	ESTIMATE	672	1	2	100	672	2	336	5.7
2	(SE)	475	0.5	0	0	531	1	238	4
	N	1357	2	2	2	1357	2	1357	35
	ESTIMATE	2520	0.882	3.75	75	2856	4.25	672	11.4
3	(SE)	1619	0.287	1.75	25	1566	1.11	336	5.5
	N	1357	4	4	4	1357	4	1357	35
	ESTIMATE	5712	1.478	8.5	75	3864	5.75	672	11.4
4	(SE)	5068	0.497	7.19	25	2724	3.3	336	5.5
	N	1357	4	4	4	1357	4	1357	35
	ESTIMATE	5376	1.032	2.67	66.7	5208	2.58	2016	34.3
5	(SE)	2500	0.346	1.02	14.2	1933	0.63	580	8.1
	N	1357	12	12	12	1357	12	1357	35
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	27660	1.293	4.18	68.4	20619	3.24	6370	2.8
STATEWIDE	(SE)	8027	0.214	1.07	7.6	4379	0.46	1019	0.4
	N	1360	38	38	38	1360	38	1360	1360

Table 38. Expanded Statewide and Regional Summaries of Goose (November-March) Hunting in Virginia During the 2005-2006 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	18481	0.69	3.33	60	24361	4.83	5040	46.2
	(SE)	5248	0.166	0.8	9.1	5855	0.78	910	6.2
	N	1357	30	30	30	1357	30	1357	65
2	ESTIMATE	5376	1.333	5.33	50	4032	4	1008	9.2
	(SE)	3679	0.76	3.21	22.4	2096	1.41	411	3.6
	N	1357	6	6	6	1357	6	1357	65
3	ESTIMATE	2520	0.714	5	66.7	3528	7	504	4.6
	(SE)	1966	0.293	3.21	33.3	2381	3	291	2.6
	N	1357	3	3	3	1357	3	1357	65
4	ESTIMATE	18649	1.207	13.88	75	15457	11.5	1344	12.3
	(SE)	10939	0.253	6.95	16.4	7904	4.55	474	4.1
	N	1357	8	8	8	1357	8	1357	65
5	ESTIMATE	19489	0.959	6.44	66.7	20329	6.72	3024	27.7
	(SE)	7245	0.298	1.91	11.4	7019	1.75	708	5.6
	N	1357	18	18	18	1357	18	1357	65
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	67055	0.92	5.57	61.8	69066	6.06	11399	5
	(SE)	14737	0.134	1.1	5.9	12400	0.82	1348	0.6
	N	1360	68	68	68	1360	68	1360	1360

Table 39. Expanded Statewide Summaries of Total Goose Hunting in Virginia During the 2005-2006 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENSES
	ESTIMATE	94715	1.006	6.73	66.3	89686	6.69	13411	5.9
Statewide	(SE)	20845	0.129	1.36	5.3	15614	0.92	1455	0.6
	N	1360	80	80	80	1360	80	1360	1360

Table 40. Expanded Statewide and Regional Summaries of Red Fox Hunting in Virginia During the 2005-2006 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	4879	0.375	2.08	61.5	12114	5.54	2187	21
	(SE)	3401	0.196	1.5	14	5648	2.17	604	5.2
	N	1355	13	13	13	1355	13	1355	62
2	ESTIMATE	3197	0.2	0.93	42.9	10937	4.64	2356	22.6
	(SE)	1222	0.071	0.35	13.7	3845	1.11	627	5.4
	N	1355	14	14	14	1355	14	1355	62
3	ESTIMATE	1010	0.103	0.67	50	6562	6.5	1010	9.7
	(SE)	475	0.081	0.33	22.4	3633	2.67	411	3.8
	N	1355	6	6	6	1355	6	1355	62
4	ESTIMATE	1851	0.087	0.64	42.9	17330	7.36	2356	22.6
	(SE)	692	0.035	0.23	13.7	7726	2.73	627	5.4
	N	1355	14	14	14	1355	14	1355	62
5	ESTIMATE	2356	0.033	0.6	40	45934	18.2	2524	24.2
	(SE)	856	0.023	0.24	13.1	23429	8.3	648	5.5
	N	1355	15	15	15	1355	15	1355	62
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	16764	0.122	1.07	49.3	94952	8.58	11232	4.9
	(SE)	3942	0.046	0.31	6.2	25748	2.1	1338	0.6
	N	1360	66	67	67	1359	66	1360	1360

Table 41. Expanded Statewide and Regional Summaries of Gray Fox Hunting in Virginia During the 2005-2006 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	8730	0.614	3.4	60	13934	5.53	2518	27.3
1	(SE)	5774	0.292	2.19	13.1	5754	1.85	647	6.1
	N	1358	15	15	15	1358	15	1358	55
	ESTIMATE	4029	0.444	1.85	69.2	9066	4.15	2182	23.6
2	(SE)	1912	0.222	0.74	13.3	3562	1.21	603	5.8
	N	1358	13	13	13	1358	13	1358	55
	ESTIMATE	336	0.051	0.33	16.7	6547	6.5	1007	10.9
3	(SE)	336	0.063	0.33	16.7	3625	2.67	410	4.2
	N	1358	6	6	6	1358	6	1358	55
	ESTIMATE	839	0.08	0.36	27.3	8394	4.55	1847	20
4	(SE)	444	0.04	0.2	14.1	3523	1.4	555	5.4
	N	1358	11	11	11	1358	11	1358	55
	ESTIMATE	839	0.026	0.3	30	19475	11.6	1679	18.2
5	(SE)	375	0.022	0.15	15.3	12222	6.63	529	5.2
	N	1358	10	10	10	1358	10	1358	55
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	16093	0.241	1.51	47.4	59846	6.26	9555	4.2
STATEWIDE	(SE)	6132	0.102	0.61	6.7	14884	1.34	1239	0.5
	N	1360	57	57	57	1360	57	1360	1360

Table 42. Expanded Statewide and Regional Summaries of Coyote Hunting in Virginia During the 2005-2006 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	168	0.02	0.25	25	8251	12.25	673	4.4
	(SE)	168	0.028	0.25	25	5414	6.02	336	2.2
	N	1355	4	4	4	1354	4	1355	91
2	ESTIMATE	6057	0.143	1.3	44.4	39906	9.12	4543	29.7
	(SE)	2997	0.033	0.62	9.7	18354	3.87	866	4.8
	N	1355	26	27	27	1354	26	1355	91
3	ESTIMATE	11105	0.209	1.73	51.5	45968	8.27	5552	36.3
	(SE)	3936	0.074	0.64	8.8	13651	2.03	955	5.1
	N	1355	33	33	33	1354	33	1355	91
4	ESTIMATE	1178	0.053	0.25	20	15828	4.7	3365	22
	(SE)	557	0.03	0.12	9.2	4618	0.91	747	4.4
	N	1355	20	20	20	1354	20	1355	91
5	ESTIMATE	841	0.135	0.71	57.1	6230	5.29	1178	7.7
	(SE)	445	0.087	0.29	20.2	3214	2.01	444	2.8
	N	1355	7	7	7	1354	7	1355	91
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	21793	0.145	1.09	41.7	120452	7.56	16093	7.1
	(SE)	5013	0.031	0.29	5.1	24051	1.32	1584	0.7
	N	1360	95	96	96	1359	95	1360	1360

Table 43. Expanded Statewide and Regional Summaries of Raccoon Hunting in Virginia During the 2005-2006 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	3693	0.8	2.86	71.4	4197	3.57	1175	13.2
1	(SE)	2578	0.164	2.04	18.4	2626	1.93	443	4.7
	N	1358	7	7	7	1358	7	1358	53
	ESTIMATE	19475	0.304	4.55	90	50197	14.95	3358	37.7
2	(SE)	6814	0.112	1.27	6.9	27929	7.82	746	6.7
	N	1358	20	20	20	1358	20	1358	53
	ESTIMATE	17124	0.373	7.14	78.6	44993	19.14	2350	26.4
3	(SE)	6966	0.116	2.36	11.4	17585	5.69	625	6.1
	N	1358	14	14	14	1358	14	1358	53
	ESTIMATE	16453	0.609	10.89	77.8	27029	17.89	1511	17
4	(SE)	10958	0.202	6.66	14.7	12341	5.94	502	5.2
	N	1358	9	9	9	1358	9	1358	53
	ESTIMATE	4869	0.267	9	66.7	16956	33.67	504	5.7
5	(SE)	4223	0.014	8.02	33.3	15202	28.29	291	3.2
	N	1358	3	3	3	1358	3	1358	53
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	71916	0.395	6.16	81.8	143832	15.6	9220	4
STATEWIDE	(SE)	16419	0.082	1.4	5.2	38267	3.63	1218	0.5
	N	1360	55	55	55	1360	55	1360	1360

Table 44. Expanded Statewide and Regional Summaries of Bobcat Hunting in Virginia During the 2005-2006 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	336	0.222	0.67	66.7	1511	3	504	8.8
	(SE)	237	0.259	0.33	33.3	1199	2	291	4.9
	N	1358	3	3	3	1358	3	1358	34
2	ESTIMATE	0	0	0	0	4533	3.38	1343	23.5
	(SE)	0	0	0	0	2244	1.25	474	7.4
	N	1358	8	8	8	1358	8	1358	34
3	ESTIMATE	672	0.033	0.27	9.1	15445	8.36	1847	32.4
	(SE)	531	0.026	0.27	9.1	6521	2.6	555	8.1
	N	1358	11	11	11	1358	11	1358	34
4	ESTIMATE	0	0	0	0	8058	8	1007	17.6
	(SE)	0	0	0	0	3688	1.83	410	6.6
	N	1358	6	6	6	1358	6	1358	34
5	ESTIMATE	168	0	0	0	4533	4.5	1007	17.6
	(SE)	168	0	0	0	2448	1.75	410	6.6
	N	1358	6	6	6	1358	6	1358	34
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	2012	0.033	0.19	11.1	36042	5.97	6035	2.6
	(SE)	748	0.016	0.1	5.3	8403	1	993	0.4
	N	1360	36	36	36	1360	36	1360	1360

Table 45. Hunter responses to question "During the 2005-2006 hunting season did you introduce and take a new hunter (youth or adult) hunting in Virgina?:" (Q18)		
		Responses (%)
	Yes	34.1
	No	65.9
	If yes, how old was the hunter?	Mean
		15.0 years

Table 46. Hunter responses to question "If yes, did you go hunting on:" (Q18a)		
		Responses (%)
	Public land	10.3
	Private land	71.9
	Both private and public	17.9

Table 47. 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	6.1	3.5	1.1	2.1	7.2	8.8	13.3	64.0
Fall Turkey	4.0	18.1	6.9	11.3	26.7	9.3	8.9	18.8
Spring Turkey	4.4	17.5	6.6	8.2	20.3	8.3	11.5	27.6
Bear	2.9	43.1	9.6	8.2	18.4	5.3	4.0	11.3
Rabbit	3.3	32.7	8.8	12.4	21.1	7.1	7.1	10.8
Squirrel	3.6	24.7	9.4	12.4	24.0	9.7	7.6	12.3
Mean score, where 1=Not at all important; 4=Moderately Important; 7=Extremely Important								

Table 48. Responses of hunters to question 'How do you rate VDGIF's management of the following species:' (Q20)								
	Mean	1	2	3	4	5	6	7
Deer	4.7	7.0	3.5	6.8	30.5	17.4	16.1	18.7
Fall Turkey	4.8	4.0	4.3	6.9	33.1	17.9	14.9	18.8
Spring Turkey	5.0	2.6	2.5	5.0	33.5	17.1	17.6	21.7
Bear	4.5	6.0	4.4	7.6	38.0	14.7	14.2	15.2
Rabbit	4.5	6.3	3.8	7.8	39.1	14.1	12.6	16.3
Squirrel	4.8	3.5	2.7	6.0	39.3	14.6	15.0	18.9
Mean score, where 1=Poor; 4=Good; 7=Excellent								

Table 49. Responses of hunters to statement 'Please indicate the number of days spent during the 2005-2006 hunting season on each of these types of land. ' (Q21)	
Type of land	Mean number of days hunted
National Forest	3.26 days
Military Land	0.41 days
WMA's	0.62 days
State Parks	0.08 days
State Forest	0.30 days
Private Lands	19.49 days

Table 50. Responses of hunters to question 'Where did most of your Fall 2005 and/or Spring 2006 turkey hunting take place? ' (Q22)			
Fall 2005	Responses (%)	Spring 2006	Responses (%)
Private Land	82.7	Private Land	86.3
Public Land	17.3	Public Land	13.7

Table 51. Perceptions of fall turkey hunters regarding overall quality of 2005 fall turkey season (Q24)						
		Regions				
	State-wide	1	2	3	4	5
	3.54	3.75	3.73	3.49	3.46	3.51
Mean scores, where 1=Poor, 4=Adequate, 7=Excellent						

Table 52. Perceptions of spring turkey hunters regarding overall quality of 2006 spring turkey season (Q26)						
		Regions				
	State-wide	1	2	3	4	5
	4.14	4.51	4.33	4.02	3.83	4.31
Mean scores, where 1=Poor, 4=Adequate, 7=Excellent						

Table 53. Responses of hunters to question 'Did you take a youth hunting during the special 2006 youth turkey hunting day--April 1, 2006?' (Q27)		
		Responses (%)
	Yes	14.4
	No	85.6

Table 54. Responses of hunters to question 'Did you take a youth hunting during the special 2005 youth turkey hunting day--April 2, 2005?' (Q28)		
		Responses (%)
	Yes	10.0
	No	90.0

Table 62. Responses to the question, 'How would you rate the size of the deer herd in the area in which you hunted most in 2005-2006:' (Q36)						
		Regions				
	State-wide	1	2	3	4	5
	4.38	4.51	4.65	4.11	3.58	4.62
Mean scores, where 1=Low, 4=Moderate, 7=High						

Table 63. Responses to statement, 'When compared to previous years, would you say the number of deer in the area you hunted in 2005-2006:' (Q37)						
		Regions				
	Statewide	1	2	3	4	5
Declined dramatically	5.6	1.5	4.2	8.8	12.2	2.1
Declined	20.6	20.0	16.4	23.7	33.7	19.2
Remained about the same	49.8	49.5	56.1	48.5	44.8	54.4
Increased	18.0	24.0	19.2	16.0	9.4	20.7
Increased dramatically	3.1	3.0	4.2	1.5	0.0	2.1
No opinion	2.9	2.0	0.0	1.5	0.0	1.6

Table 64. Responses to statement, 'What advice would you give the Department regarding how to mange the deer herd?' (Q38)						
		Regions				
	Statewide	1	2	3	4	5
Increase the herd	28.5	31.3	26.7	33.7	42.6	21.2
Stabilize the herd	41.7	38.4	44.6	40.4	39.2	48.2
Decrease the herd	15.6	13.1	18.6	16.1	6.8	14.0
No opinion	14.2	17.2	10.2	9.8	11.4	16.6

Table 65. Responses to question, 'In the past year, would you say you've heard a great deal, a moderate amount, a little, or nothing about Hemorrhagic Disease (HD)?' (Q39)						
		Regions				
	Statewide	1	2	3	4	5
A great deal	5.2	10.1	5.2	3.1	5.7	3.6
A moderate amount	22.0	29.8	23.3	9.4	20.5	28.2
A little	40.6	37.4	44.1	45.0	42.6	40.0
Nothing	27.8	21.2	22.6	37.2	29.5	26.7
Don't know	4.4	1.5	4.9	5.2	1.7	1.5

Table 66. Responses to question, 'In the past year, would you say you've heard a great deal, a moderate amount, a little, or nothing about Chronic Wasting Disease (CWD)?' (Q40)						
		Regions				
	Statewide	1	2	3	4	5
A great deal	12.9	12.1	9.4	9.4	29.2	11.8
A moderate amount	29.3	29.8	30.2	21.9	34.8	35.9
A little	33.6	31.3	37.5	41.1	29.2	36.4
Nothing	19.0	22.7	16.7	21.4	6.2	14.9
Don't know	5.1	4.0	6.3	6.3	0.6	1.0

Table 67. Responses to question, 'Please check all the ways you have learned about CWD and circle how important each source was in providing you with information about CWD?' (Q41)							
		Regions					
	Source (%)	Statewide	1	2	3	4	5
Brochure	35.4	4.9	5.0	5.0	5.0	4.8	5.6
VDGIF website	32.8	4.9	4.7	4.4	5.1	4.9	5.6
Other websites	20.5	4.0	3.5	3.3	4.2	3.9	5.0
Newspapers	46.7	5.0	5.0	4.8	5.3	5.4	5.1
Magazines	67.7	5.4	5.2	5.4	5.5	5.7	5.6
Public Meetings	15.4	3.4	3.4	2.9	3.4	3.9	4.3
Radio	15.9	3.7	3.3	3.1	4.2	4.1	4.4
TV	35.4	4.7	4.2	4.5	5.0	5.2	5.2
Friends and Family	49.2	5.0	4.7	4.8	5.1	5.2	5.1
Mean scores, where 1=Not at all Important, 4=Neither important nor unimportant, 7=Extremely Important							

Table 68. Responses to statement, 'The following statements pertain to chronic wasting disease (CWD). Please indicate your agreement of disagreement with each statement:' (Q42)

		Regions				
	Statewide	1	2	3	4	5
I am concerned about eating venison because of CWD	4.16	4.14	4.22	4.20	4.21	4.18
I hunted deer less in 2005-06 because of my concerns about CWD	1.80	1.66	1.89	1.86	1.61	1.70
I hunted deer in a different area in 2005-06 because of my concerns about CWD	1.70	1.63	1.73	1.78	1.44	1.58
I am concerned about the health of wild deer because of CWD	5.26	5.15	5.41	5.03	5.44	5.37
I am concerned about the health of livestock because of CWD	4.69	4.62	4.90	4.54	4.68	4.66
I am concerned about the future of hunting because of CWD	5.26	5.14	5.24	5.24	5.37	5.41
I am willing to bring my deer to a check station to have it tested for CWD	5.87	5.57	5.85	5.99	6.05	5.95
If CWD is discovered in the area where I deer hunt, I will still hunt in that area.	4.77	4.91	4.80	4.53	4.74	4.79

Mean scores, where 1=Strongly Disagree, 4=Neither agree nor disagree, 7=Strongly Agree

Table 69. Responses to the question, 'Overall, how do you rate the quality of your 2005-2006 deer (gun) season?' (Q44)

		Regions				
	Statewide	1	2	3	4	5
	4.26	4.59	4.53	4.03	3.65	4.64

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

Table 70. Responses to the question, '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?:' (Q45)						
		Regions				
	Statewide	1	2	3	4	5
Increase	46.2	49.7	50.2	51.0	34.8	42.8
Keep Same	16.2	13.3	16.8	14.6	28.1	11.9
Decrease the number of doe days	35.0	34.4	32.6	32.3	36.0	43.3
No opinion	2.6	2.6	0.4	2.1	1.1	2.1

Table 71. Responses to the question 'While gun deer hunting during the 2005-2006 season, were you disturbed by:' (Q46)		
	Responses (%)	
	Yes	No
Hunting Dogs	21.9	78.1
Other hunters	28.7	71.3
Other outdoor users	17.2	82.8

Table 72. Responses to the question 'While deer (gun) hunting, how concerned are you about disturbance from:' (Q47)						
		Regions				
	Statewide	1	2	3	4	5
Hunting Dogs	3.06	2.61	2.94	3.29	3.28	3.23
Other Hunters	3.72	3.43	3.72	3.80	3.95	3.86
Other Outdoor Users	3.41	3.26	3.33	3.19	3.55	3.83
Mean scores, where 1=Not at all concerned, 4=Neither Concerned nor Unconcerned, 7=Very Concerned						

Table 73. Responses to the statement, 'Please indicate the number of days you hunted deer on each of the following land types during the 2005-2006 season.' (Q48)						
		Regions				
	State-wide	1	2	3	4	5
National Forest Lands	1.90	0.30	0.92	3.28	5.58	0.53
State Wildlife Management Areas	0.45	0.35	0.35	0.35	0.38	0.67
Private Land (excluding club or lease	10.44	8.77	11.97	9.24	9.31	12.60
Corporate Land (excluding hunt club or leased land)	0.23	0.49	0.50	0.06	0.00	0.08
Military Lands	0.28	0.32	0.23	0.01	0.21	0.81
Hunt Club (on leased private land)	4.08	10.22	4.52	1.04	0.55	4.33
Hunt Club (on leased corporate land)	1.35	3.67	1.88	0.08	0.06	0.65
Other	0.13	0.03	0.31	0.17	0.12	0.05

Table 74. Responses to the question, "If you hunted on leased hunt club land (private or corporate) how much land did the hunt club control?' (Q48a)		
		Responses (%)
	Less than 500 acres	32.7
	500-1000 acres	27.5
	More than 1000 acres	39.8

Table 75. Responses to the question 'Did you hunt deer with dogs during the 2005-2006 gun deer season?' (Q49-49a)						
		Regions				
	State-wide	1	2	3	4	5
Yes (%)	29.6	65.3	35.9	2.2	6.4	31.7
No (%)	70.4	34.7	64.1	97.8	93.6	68.3
If yes, number of days (mean)	14.18	14.20	15.77	2.25	2.42	11.88

Table 76. Responses to the question 'If yes, did you own the dogs you hunted with?' (Q49b)						
		Regions				
	State-wide	1	2	3	4	5
Yes (%)	32.3	31.7	33.7	0.0	0.0	30.4
No (%)	67.7	68.3	66.3	100.0	100.0	69.6

Table 77. Responses to the question 'While hunting deer with dogs did you strike a bear?' (Q50-50a)						
		Regions				
	State-wide	1	2	3	4	5
Yes (%)	5.8	4.7	6.1	0.0	0.0	4.9
No (%)	94.2	95.3	93.9	100.0	100.0	95.1
If yes, how many times? (mean)	1.50	1.80	1.67	*	*	1.00

Table 78. Responses to the question 'Did you use a scent attractant while deer hunting during the 2005-2006 deer seasons?' (Q51)						
		Regions				
	State-wide	1	2	3	4	5
Yes (%)	55.0	51.8	57.5	61.3	58.0	55.7
No (%)	45.0	48.2	42.5	38.7	42.0	44.3

Table 79. Responses to the question 'During the 2005-2006 hunting season, did you hunt deer with a crossbow?' (Q52)						
		Regions				
	State-wide	1	2	3	4	5
Yes (%)	9.5	9.7	10.5	8.4	10.8	8.4
No (%)	90.5	90.3	89.5	91.6	89.2	91.6
If yes, how many days? (mean)	7.46	7.05	8.08	9.56	5.61	8.53
How many deer did you kill? (mean)	0.57	0.79	0.41	0.71	0.47	0.76

Table 80. Responses to the question 'During the 2005-2006 hunting season, did you hunt deer with a conventional bow?' (Q52)						
		Regions				
	State-wide	1	2	3	4	5
Yes (%)	35.7	29.5	29.6	47.3	38.6	37.8
No (%)	64.3	70.5	70.4	52.7	61.4	62.2
If yes, how many days? (mean)	8.58	7.81	7.30	9.28	7.67	8.25
How many deer did you kill? (mean)	0.48	0.52	0.30	0.51	0.47	0.46

Table 81. Responses to the question 'Prior to the 2005-06 hunting season, did you hunt deer with a crossbow?' (Q53)						
		Regions				
	State-wide	1	2	3	4	5
Yes (%)	3.7	3.5	2.0	3.8	2.7	3.6
No (%)	96.3	96.5	98.0	96.2	97.3	96.4

Table 82. Responses to the question 'Prior to the 2005-06 hunting season, did you hunt deer with a conventional bow?' (Q53)						
		Regions				
	State-wide	1	2	3	4	5
Yes (%)	50.4	46.8	46.0	63.8	56.6	49.2
No (%)	49.6	53.2	54.0	36.2	43.4	50.8

Table 83. Responses to the question 'Do you plan to hunt deer in the future with a cross-bow?' (Q54)						
		Regions				
	State-wide	1	2	3	4	5
Yes (%)	34.9	36.4	35.1	32.1	33.8	39.3
No (%)	65.1	63.6	64.9	67.9	66.2	60.7

Table 84. Responses to the question 'Do you plan to hunt deer in the future with a con-ventional bow?' (Q54)						
		Regions				
	State-wide	1	2	3	4	5
Yes (%)	58.3	54.7	55.6	68.6	61.3	61.3
No (%)	41.7	45.3	44.4	31.4	38.8	38.7

Table 85. Responses to the question, 'How would you prefer to learn more about wildlife management in Virginia' (Q55)		
		Responses (%)
	Brochure	55.8
	VDGIF website	48.4
	Other websites	20.8
	Newspapers	40.9
	Magazines	58.5
	Public Meeting	42.9
	Radio	9.9
	TV	17.8
	Friends and Family	25.3

Table 86. Responses to the question, 'How old are you?' (Q56)	
	Years (Mean)
	46.27

Table 87. Responses to the question, 'Are you Male or Female?' (Q57)		
		Responses (%)
	Male	97.1
	Female	2.9

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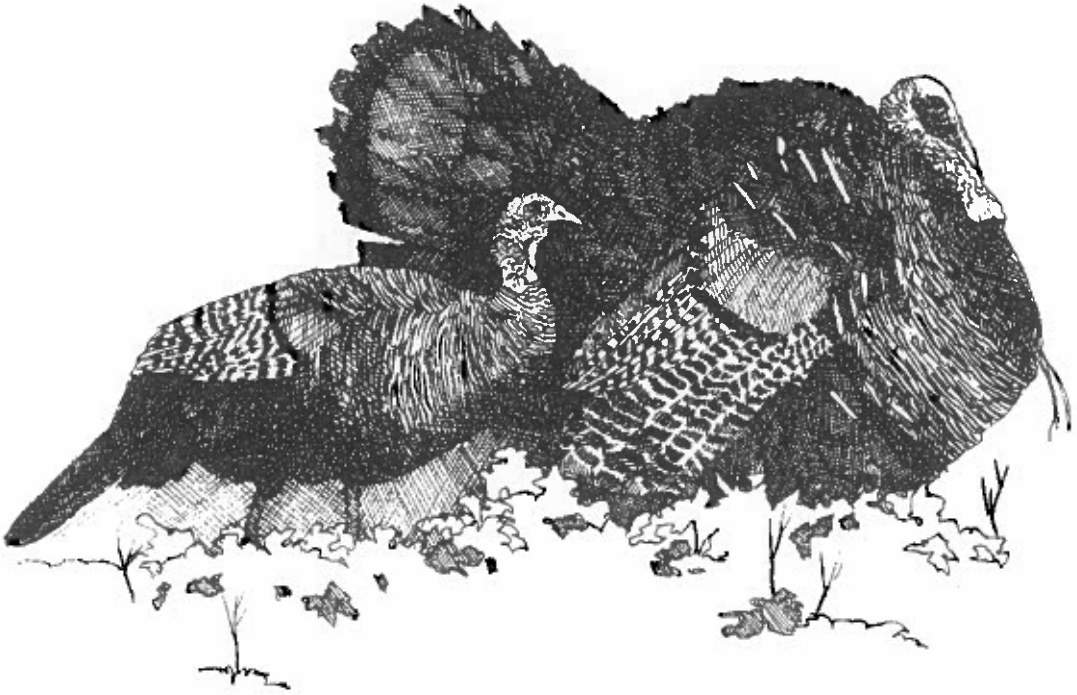
APPENDIX A

SURVEY INSTRUMENT

2005-2006
Virginia Hunter Survey



Virginia Department of Game and Inland Fisheries

COMMONWEALTH of VIRGINIA

L. Preston Bryant, Jr.
Secretary of Natural Resources

Department of Game and Inland Fisheries

Colonel W. Gerald Massengill
Interim 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 2005-2006 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 2004-2005. 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,

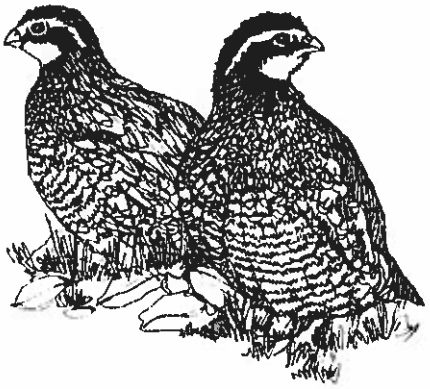
Bob Duncan

Robert. W. Duncan
Chief, 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 2005-06 hunting season (July 1, 2005–June 30, 2006)?

   ❑ 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) _____

INSTRUCTIONS:

- In each box below, record the number of animals you **personally harvested** in 2005-06. 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 2005-06 hunting season.

3. Small Game (Birds) Harvest:

Dove	Quail	Woodcock	Ruffed Grouse	Crow

4. Small Game (Mammals) Harvest:

Rabbit	Gray Squirrel	Fox Squirrel	Groundhog/Woodchuck

5. Big Game Harvest:

Deer						Turkey			Bear
Archery/Crossbow		Muzzleloader		Gun		Spring 2005	Fall 2006	Spring 2006	
Bucks	Does	Bucks	Does	Bucks	Does				

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/Crossbow	Muzzleloader	Gun	Spring 05	Fall 05	Spring 06	

11. Waterfowl Days Hunted:

Ducks	Geese	
	September Season	November-March Season

12. Furbearer Days Hunted:

Red Fox	Gray Fox	Coyote	Raccoon	Bobcat

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

13. Small Game (Birds) Region Hunted:

Dove	Quail	Woodcock	Ruffed Grouse	Crow

14. Small Game (Mammals) Region Hunted:

Rabbit	Gray Squirrel	Fox Squirrel	Groundhog/Woodchuck

15. Big Game Region Hunted:

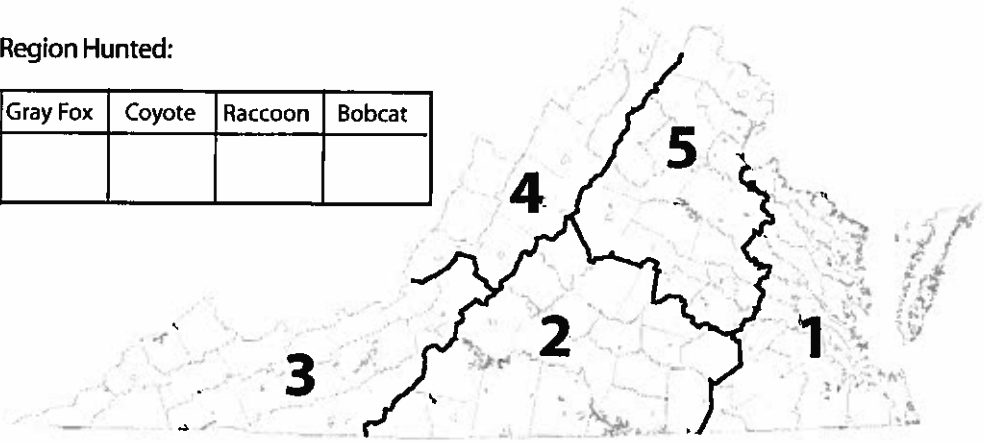
Deer			Turkey			Bear
Archery/Crossbow	Muzzleloader	Gun	Spring 05	Fall 05	Spring 06	

16. Waterfowl Region Hunted:

Ducks	Geese	
	September Season	November-March Season

17. Furbearer Region Hunted:

Red Fox	Gray Fox	Coyote	Raccoon	Bobcat



18. During the 2005-2006 hunting season, did you introduce and take a new hunter (youth or adult) hunting in Virginia?

❑ Yes ❑ No

If yes, how old was the hunter? _____Years

18a. If yes, did you go hunting on: (✔ only one)

❑ Public Land

❑ Private Land

❑ Both public and private land

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
Rabbit	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7
Squirrel	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7

20. How do you rate VDGIF's management of the following species:

	Poor			Good			Excellent
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
Rabbit	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7
Squirrel	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7

21. Please indicate the number of days spent during the 2005-2006 hunting season on each of these types of land. If you did not hunt on a type of land, please indicate that you hunted **0 days** for that category.

National Forest: _____ Days
Military Land: _____ Days
VDGIF WMA's: _____ Days
State Parks: _____ Days
State Forest: _____ Days
Private Lands: _____ Days

The following questions pertain to Turkey hunting in 2005-2006. **If you did not hunt Turkeys during the 2005-2006 season, skip to Question 29.**

22. Where did **most** of your Fall 2005 and/or Spring 2006 turkey hunting take place? (✔ only one).

Fall 2005	Spring 2006
❑ Private land	❑ Private land
❑ Public land	❑ Public land

23. Please indicate the county where you most often hunted **Fall** turkeys during 2005. **If you did not hunt Turkeys in the Fall, skip to Question 25.**

_____ County

24. Overall, how do you rate the quality of your 2005 Fall Turkey season?

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

25. Please indicate the county where you most often hunted SPRING TURKEYS during 2006 (Spring turkey season <u>this</u> year). **If you did not hunt TURKEYS in Spring 2006, skip to Question 29.**

_____ County

26. Overall, how do you rate the quality of your 2006 Spring Turkey season?

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

27. Did you take a youth hunting during the special 2006 youth turkey hunting day–April 1, 2006?

❑ Yes ❑ No

28. Did you take a youth hunting during the special 2005 youth turkey hunting day - April 2, 2005? (Youth Day Last Year)

❑ Yes ❑ No

The following questions pertain to BEAR hunting in 2005-06. **If you did not hunt BEARS during the 2005-06 season, skip to Question 31.**

29. If you killed a black bear during any of the 2005-06 hunting seasons, did you kill it while: (✔ only one)

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

30. During the 2005-06 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

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

	Poor			**Adequate**		**Excellent**		**Don't Know**
Deer	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7	❑ 8
Turkey	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7	❑ 8
Bear	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7	❑ 8
Grouse	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7	❑ 8
Squirrel	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7	❑ 8

32. Currently, electronic calls may only be used to hunt crows, coyotes, and foxes. Would you be in favor of allowing electronic calls to be used for hunting raccoons?

❑ Yes ❑ No ❑ No Opinion

33. If you killed a COYOTE during the 2005-2006 hunting season, **HOW MANY** did you kill while:

a. deer hunting? _____ coyotes

b. hunting other game? _____ coyotes

c. hunting specifically for coyotes? _____ coyotes

34. If you killed a BOBCAT during the 2005-2006 hunting season, **HOW MANY** did you kill while:

a. deer hunting? _____ bobcats

b. hunting other game? _____ bobcats

c. hunting specifically for bobcats? _____ bobcats

35. If you killed a FOX during the 2005-2006 hunting season, **HOW MANY** did you kill while:

a. deer hunting? _____ foxes

b. hunting other game? _____ foxes

c. hunting specifically for foxes? _____ foxes

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

36. How would you rate the size of the DEER HERD in the area you hunted most in 2005-2006:

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

37. When compared to previous years, would you say the number of DEER in the area you hunted in 2005-2006: (✔ only one)

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

38. 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

39. In the past year, would you say you've heard a great deal, a moderate amount, a little, or nothing about Hemorrhagic Disease (HD)? HD is also sometimes referred to as Hoof Disease. (✔ only one)

- ❑ A great deal
- ❑ A moderate amount
- ❑ A little
- ❑ Nothing
- ❑ Don't know

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

- ❑ A great deal
- ❑ A moderate amount
- ❑ A little
- ❑ Nothing
- ❑ Don't know

41. Below, please check all the ways you have learned about CWD and circle how important each source was in providing you with information about CWD?

Source of Information	**Importance of Source**						
	Not at all Important			**Neither Important Nor Unimportant**			**Extremely Important**
❑ Brochure	1	2	3	4	5	6	7
❑ VDGIF website	1	2	3	4	5	6	7
❑ Other websites	1	2	3	4	5	6	7
❑ Newspapers	1	2	3	4	5	6	7
❑ Magazines	1	2	3	4	5	6	7
❑ Public Meetings	1	2	3	4	5	6	7
❑ Radio	1	2	3	4	5	6	7
❑ TV	1	2	3	4	5	6	7
❑ Friends and family	1	2	3	4	5	6	7

The following questions pertain to hunting DEER. **If you did not hunt DEER during the 2005-06 season, skip to Question 55.**

42. The following statements pertain to chronic wasting disease (CWD). Please indicate your agreement or disagreement with each statement.

	Strongly Disagree			Neither Agree Nor Disagree			Strongly Agree
a. I am concerned about eating venison because of CWD.	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7
b. I hunted deer less in 2005-06 because of my concerns about CWD.	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7
c. I hunted deer in a different area in 2005-06 because of my concerns about CWD.	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7
d. I am concerned about the health of wild deer because of CWD.	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7
e. I am concerned about the health of livestock because of CWD.	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7
f. I am concerned about the future of hunting because of CWD.	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7
g. I am willing to bring my deer to a check station to have it tested for CWD.	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7
h. If CWD is discovered in the area where I deer hunt, I will still hunt in that area.	❑ 1	❑ 2	❑ 3	❑ 4	❑ 5	❑ 6	❑ 7

43. Please indicate the county where you most often hunted DEER with a GUN during 2005-2006.

_____County

44. Overall, how do you rate the quality of your 2005-2006 DEER (GUN) season?

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

45. 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 ❑ Decrease the number of doe days

❑ Keep Same ❑ No Opinion

46. While gun deer hunting during the 2005-2006 season, were you disturbed by:

Hunting dogs	❑ Yes	❑ No
Other hunters	❑ Yes	❑ No
Other outdoor users	❑ Yes	❑ No

47. While deer (gun) hunting, how concerned are you about disturbance from: (circle answer)

	Not at all Concerned			**Neither Concerned Nor Unconcerned**			**Very Concerned**
Hunting dogs	1	2	3	4	5	6	7
Other Hunters	1	2	3	4	5	6	7
Other Outdoor Users	1	2	3	4	5	6	7

48. In the spaces below, please indicate the **number of days** you hunted DEER (GUN) on each of the following land types during the 2005-2006 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_____ _____

48.a. If you hunted on leased hunt club land (private or corporate) how much how much land did the hunt club control? (✔ only one)

❑ Less than 500 acres

❑ 500-1000 acres

❑ More than 1000 acres

49. Did you hunt deer with dogs during the 2005-2006 gun deer season?

❑ Yes ❑ No (If no, skip to Question 51)

49a. If yes, how many days did you hunt with dogs?_____Days

49 b. If yes, did you own the dogs you hunted with? ❑ Yes ❑ No

50. While hunting deer with dogs did your dogs strike a bear? ❑ Yes ❑ No

50a. If yes, how many times?_____

51. Did you use a **scent attractant** while deer hunting during the 2005-2006 deer seasons (for example: buck lure, doe urine, scent wafers, etc.)?

❑ Yes ❑ No

52. During the 2005-06 hunting season, did you hunt deer with:

A crossbow ❑ Yes ❑ No

If yes, how many days?_____ How many deer did you kill?_____

A conventional bow (compound, recurve, or longbow) ❑ Yes ❑ No

If yes, how many days?_____ How many deer did you kill?_____

53. **Prior** to the 2005-06 hunting season, did you hunt deer with:

A crossbow ❑ Yes ❑ No

A conventional bow ❑ Yes ❑ No

54. Do you plan to hunt deer in the future with:

A crossbow ❑ Yes ❑ No

A conventional bow ❑ Yes ❑ No

55. How would you prefer to learn more about wildlife management in Virginia? (check all that apply)

__Brochure __VDGIF website __Other websites

__Newspapers __Magazines __Public Meeting

__Radio __TV __Friends and family

56. How old are you? _____ years

57. Are you? ❑ Male ❑ Female

58. Please indicate where you reside in Virginia _____

County or City

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
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VIRGINIA
Department of Game & Inland Fisheries

WILDLIFE RESTORATION