

**VIRGINIA SURVEY
OF
HUNTER HARVEST, EFFORT AND ATTITUDES**

1995-96



By:

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**Virginia Department of Game and Inland Fisheries
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Virginia Department of Game and Inland Fisheries
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By:



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Neal D. Emerald, Research Assistant, Center For Recreation Resources Policy and Junior, Recreation Resources Management Student, was the Project Director in charge of day-to-day operations and management, with a responsibility for computer applications and compilation of all data into the various tables which illustrate the study.

David E. Steffen, M.S. served as liaison and consultant to the study and is Forest Wildlife Program Manager, Virginia Department of Game and Inland Fisheries, Vinton, VA.

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Virginia Survey of Hunter Harvest, Effort and Attitudes 1995-96

The Department of Game and Inland Fisheries, being the agency primarily responsible for managing the state's fish and wildlife resources, depends upon accurate population indices to monitor the health of wildlife species. Various techniques are used annually to establish indices of population numbers. Walking transects, enumerating the presence of species by counting tracks, droppings, etc. within quadrants, and conducting call counts along highways are excellent examples of these techniques (for a detailed analysis of estimating wildlife populations, see Davis and Winstead 1980).

Another group of indices important to wildlife managers involves precise estimates of harvest and hunter efforts. Game harvest surveys collect data which are used to generate indices that can be used to monitor changes in harvest and hunter effort across seasons. These data, in turn, can be used to regulate harvests, evaluate habitat conditions, and monitor various aspects of the socio-economic environment (Steffen, 1987:7).

Although some researchers have attempted to estimate game harvests through unobtrusive observation techniques (see Jackson and Norton, 1979), and some management areas are conducive to conducting counts at check stations, this is not feasible for producing statewide or regional estimates. Therefore, game harvest surveys are typically conducted through the use of mail questionnaires. Fillion (1980) provides an excellent overview of the use of human surveys in wildlife management.

The purpose of this study 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 random sample of 4,943 Virginia hunters was drawn from license records maintained by the Administrative Services Division of the Department of Game and Inland Fisheries. A stratified, random sampling design was developed to select potential survey participants from these files. All persons who purchased a general state resident hunting license, a county-city license, or a senior license for the 1994-95 season were eligible to be drawn ($N = 291,901$). To ensure the representativeness of the sample, the number of license holders within each of the three categories was determined and the number of names selected was proportionate to the number of licenses sold (see Table 1).

Consideration was also given to ensuring the representativeness of the sample geographically across the state. The most preferred method would be to select hunters based on where they hunted; but, there was no way to determine the distribution of hunting across the state. The most feasible strategy, then, was to select hunters proportionately, based on where they purchased their license (i.e., if a license agent sold 2% of the total licenses within one of the three categories, then 100 license

Table 1.
1994-1995 Hunting Population and Survey Sample Statistics

	Population	Sample	Pct.
State Resident Licenses	256,289	4,340	87.8%
County/City Licenses	22,476	381	7.7%
Senior (65+) Licenses	13,136	222	4.5%
TOTALS	291,901	4,943	100%

holders - 2% of 5,000 - were drawn from that license agent's returned license stubs). The social security number of each hunter selected was entered into a computer file and submitted to the Virginia Department of Motor Vehicles (DMV). The DMV, in turn, provided researchers with names and addresses of all hunters selected. In general, the sampling procedures used in this study were built upon the work described by Steffen (1987) in Mississippi.

Development of Survey Instrument

A survey instrument was developed to collect harvest data for selected Virginia game and furbearing species. The design of this instrument was developed to allow the replication of this data collection effort on an annual basis. Game harvest data served as the core of the survey instrument. However, hunter effort data, preferences for seasons and bag limits, and other socio-economic data were collected as well. VDGIF staff biologists and administrators were polled to determine general areas of needed data and used to refine the instrument (Appendix A).

Administration of the Survey

Procedures outlined by Dillman (1978) were employed to collect the data. A questionnaire, a self-addressed prestamped envelope, and a personalized cover letter explaining the importance of the study were mailed to each of the 4,943 study participants. One week after the initial mailing, a post card reminder was sent to each person to encourage early response. Non-respondents to the first mailing were identified and two follow-up mailings were sent, when necessary.

Response Rate

By the end of the data collection period, a total of 283 surveys were returned as undeliverable (persons moved, wrong address given, etc.). They were removed from the original sample. Another 3,804 questionnaires had been returned. Of that total, 348 persons either did not purchase a license in 1994-95 (265 persons/5.4%) or refused to complete the survey (83 persons/1.6%), and were subsequently removed from the sample as well. Consequently, a total of 2,670 usable questionnaires were received, resulting in an effective response rate of 61.9% (effective n = 4,312).

Data Analyses

Data from returned questionnaires were entered into a computer file and analyzed using standard statistical techniques. Estimates of state-wide and regional harvests of each species were generated with the level of precision (std. error) of each estimate specified. Estimates were based on the total licenses sold within the three categories (state resident, county/city, and senior) as depicted in Table 2.

Table 2.
Distribution of Hunting License Holders
Among Three License Categories, 1995-96

	Population	Pct.
State Resident Licenses	249,466	88.3%
County/City Licenses	18,557	6.7%
Senior (65+) Licenses	14,469	5.7%
TOTALS	282,492	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 estimates and standard errors, readers are encouraged to see Steffen (1987).

Results

Results are provided on the following pages in tabular form. Analyses are segmented into three sections of information. The first section provides estimates and standard errors of harvest and effort for 40 game species (or subpopulations of game animals) during the 1995-96 hunting seasons. Statewide summaries are shown in Tables 3 and 4. Regional estimates are provided in Tables 5-43. The second section assesses hunters' preferences for selected season dates, bag limits, shooting hours and other data pertinent to management of hunting in Virginia. This information is included in Tables 44-72.

The third section of assesses the importance hunters assign to specific attributes of a spring turkey hunting experience, as well as an evaluation of their actual experiences during the 1996 spring season. The differences found to occur between a hunter's perceptions of how "essential" a particular attribute of a spring turkey hunting experience is (scored as 1 to 7), and how they perceived their actual experiences to have been (also scored 1 to 7), result in a diagnostic evaluation of hunters' satisfaction with turkey hunting during a particular season. As with previous analyses, these data are summarized statewide and regionally in Tables 73-79.

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 to remember that they should not be viewed as absolute numbers, especially when comparing these statistics with other statistics from other studies. Rather, the data provided here are only indices of harvest and effort, for use in conjunction with future mail surveys to determine trends. Response and non-response biases exist in all survey efforts. However, when care is taken to fully replicate study methods in subsequent studies, biases should be constant, therefore providing indices of trends over time.
2. Total Harvest and Total Man-Days statistics are derived from a formula utilizing the total number of licenses sold for the 1995-96 hunting season ($n=282,492$). However, the statistics reported for Spring Turkey (1995) used a factor of 291,901 since this season was actually during the 1994-95 hunting season. 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

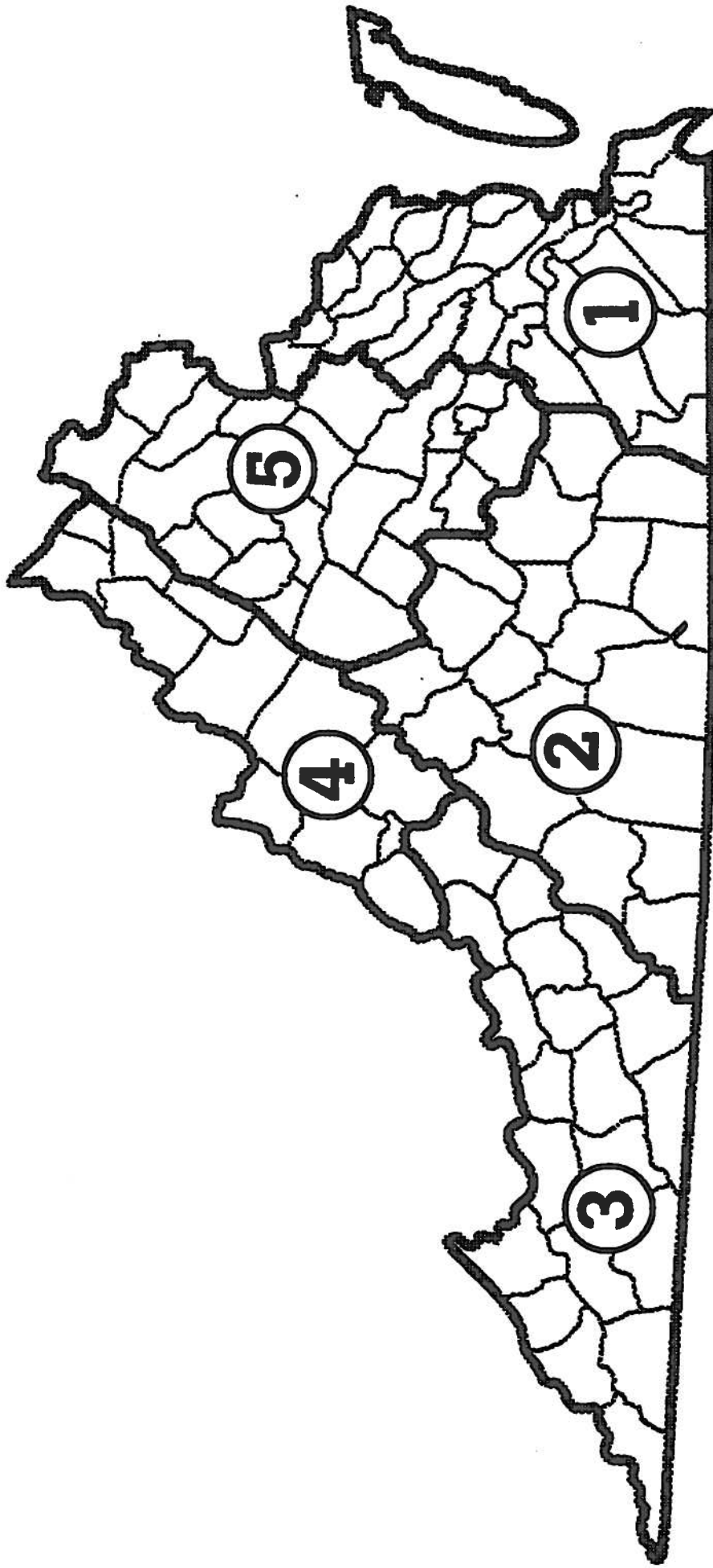


fig. 1

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 hunting specifically for that game animal.

4. Totals may not always total 100 percent due to rounding errors and missing values.
5. Regions were renumbered between the study reported here and the 1993-94 study. The composition of the regions, however, is consistent between studies. Please refer to the map included as part of the survey instrument, included as Appendix A.
6. Parenthetical notations displayed immediately following table number (e.g., Q24) refer to question numbers in the survey instrument.

TABLE 3. EXPANDED STATEWIDE SUMMARY OF THE 95-96 VIRGINIA SURVEY OF GAME HARVEST BASED ON 282,492 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
VE	1,289,366	4.509	19.06	88.0	278,787	4.23	65,915	23.3
AIL	202,370	1.542	7.85	58.6	128,704	5.09	25,287	9.0
ODCOCK	14,924	0.822	2.65	52.5	13,654	3.23	4,232	1.5
FFED GROUSE	66,045	0.446	2.07	57.5	137,277	4.63	29,625	10.5
OW	291,277	2.441	10.68	83.7	96,316	4.38	22,007	7.8
BBIT	612,507	1.412	8.57	81.0	409,714	6.07	67,502	23.9
TAL SQUIRREL	1,443,895	1.550	12.00	89.0	897,222	7.74	115,853	41.0
RAY SQUIRREL	1,287,567	1.812	10.87	88.2	679,611	6.00	113,208	40.1
OX SQUIRREL	156,329	0.607	3.85	73.5	217,611	6.35	34,280	12.1
OUNDHOG/ ODCHUCK	575,145	1.129	10.78	92.1	421,357	9.55	44,120	15.6
TAL DEER	322,924	0.083	1.35	56.0	3,788,187	16.31	232,236	82.2
UCK	187,446	0.048	0.78	44.9	----	----	----	----
OE	135,478	0.035	0.57	34.5	----	----	----	----
CHERY	35,986	0.043	0.45	28.2	778,785	10.33	75,331	26.7
ACK	19,157	0.023	0.24	18.0	----	----	----	----
OE	16,829	0.020	0.21	16.3	----	----	----	----
ZZLELOADER	61,282	0.080	0.58	37.7	727,557	7.24	100,406	35.5
ACK	44,136	0.059	0.43	30.7	----	----	----	----
OE	17,146	0.021	0.15	13.3	----	----	----	----
IN	225,655	0.095	0.97	49.5	2,281,845	10.21	223,349	79.1
ACK	124,152	0.052	0.53	37.3	----	----	----	----
OE	101,502	0.043	0.44	29.4	----	----	----	----
KEY LY 95-96	47,082	0.069	0.39	27.8	866,415	7.61	109,294	38.7
PRING 1995 *	21,545	0.054	0.31	24.1	372,286	5.73	64,940	22.2
ALL 1995	26,778	0.051	0.26	21.8	462,211	5.14	89,932	31.8
PRING 1996	20,322	0.049	0.29	23.8	404,525	5.93	68,137	24.1
AB	635	0.005	0.03	3.1	116,849	6.77	17,246	6.1
TAL DUCKS	188,504	1.565	12.07	86.2	118,331	7.71	15,341	5.4
BALLARD	62,341	0.515	3.97	66.9	----	----	----	----
WOOD	39,267	0.323	2.49	52.4	----	----	----	----
BLACK	19,898	0.165	1.28	36.6	----	----	----	----
ALL OTHERS	66,998	0.562	4.33	40.0	----	----	----	----
TAL GEESE	18,946	0.697	2.38	53.1	23,074	3.41	6,771	2.4
EPT	8,679	0.755	1.70	46.8	11,219	2.26	4,973	1.8
LY FEB	10,267	0.625	2.33	36.7	11,854	3.73	3,174	1.1
STOR	22,227	0.186	1.34	60.4	84,572	7.21	11,744	4.2
AY FOR	14,389	0.187	1.23	57.5	60,519	6.57	9,205	3.3
HOPE	3,493	0.051	0.88	48.5	60,753	17.39	3,491	1.2
EDDON	124,893	0.485	7.91	87.5	234,757	16.31	14,389	5.1
HEAT	3,387	0.083	0.56	33.3	28,048	6.79	4,126	1.5
TOTAL LICENSES '94-'95								

E 4. EXPANDED STATEWIDE ESTIMATES OF TOTAL HARVEST (WITH STD ERRORS) FOR VIRGINIA GAME SPECIES DURING 1995-96.

SPECIES	TOTAL HARVEST	STANDARD ERROR		95% CONFIDENCE INTERVAL	
		SE	AS % OF TOTAL *	LOWER LIMIT	UPPER LIMIT
	1,289,366	77,286	6.0	1,134,794	1,443,938
	202,370	30,461	15.1	141,447	263,292
COCK	14,924	3,819	25.6	7,285	22,562
ED GROUSE	66,045	7,524	11.4	50,996	81,094
V	291,277	48,304	16.6	194,669	387,885
IT	612,507	52,491	8.6	507,526	717,488
L SQUIRREL	1,443,895	58,677	4.1	1,326,541	1,561,250
Y SQUIRREL	1,287,567	53,375	4.1	1,180,817	1,394,316
SQUIRREL	156,329	13,289	8.5	129,751	182,906
NDHOG/ CHUCK	575,145	59,385	10.3	456,374	693,916
DEER	322,924	9,969	3.1	302,987	342,861
X	187,446	6,238	3.3	174,970	199,921
	135,478	5,356	4.0	124,765	146,190
ERY	35,986	2,984	8.3	30,018	41,955
X	19,157	1,811	9.5	15,535	22,780
	16,829	1,652	9.8	13,525	20,133
EL ADER	61,282	3,488	5.7	54,307	68,258
X	44,136	2,764	6.3	38,608	49,664
	17,146	1,535	9.0	14,077	20,216
	225,655	7,308	3.2	211,040	240,270
X	124,152	4,364	3.5	115,424	132,881
	101,502	4,355	4.3	92,792	110,213
YL 05-96	47,082	2,761	5.9	41,560	52,604
ING 000 **	21,545	1,845	8.6	17,856	25,235
1000	26,778	1,873	7.0	23,032	30,524
ING 1000	20,322	1,694	8.3	16,933	23,710
	635	259	40.8	117	1,153
DUCKS	188,504	25,668	13.6	137,169	239,839
ARD	62,341	8,960	14.4	44,422	80,260
ED	39,267	5,726	14.6	27,816	50,719
IN	19,898	3,392	17.0	13,114	26,682
OTHERS	66,998	13,476	20.1	40,046	93,950
DEER	18,946	5,041	26.6	8,865	29,027
	8,679	2,477	28.5	3,725	13,633
FEED	10,267	4,397	42.8	1,472	19,061
FEED	22,227	4,271	19.2	13,685	30,768
FEED	14,389	3,212	22.3	7,966	20,812
FEED	3,493	927	26.5	1,640	5,346
FEED	124,893	17,161	13.7	90,571	159,216
FEED	3,387	908	26.8	1,571	5,204
* 100 (SE/TOTAL HARVEST)					
** 100 (SE/TOTAL LICENSES '94-'95)					

[illegible]

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	103,898	1.940	11.07	63.6	53,113	5.70	9,311	27.2
	(SE)	23,521	0.271	2.26	5.2	11,103	1.04	976	2.5
	N	2,670	88	88	88	2,670	88	2,670	324
2	ESTIMATE	64,751	1.374	6.96	63.5	45,601	5.07	8,993	26.2
	(SE)	16,943	0.249	1.74	5.3	7,816	0.68	960	2.4
	N	2,670	85	85	85	2,670	85	2,670	324
3	ESTIMATE	16,928	0.692	2.53	35.1	22,007	3.65	6,031	17.6
	(SE)	5,464	0.213	0.84	6.4	3,800	0.41	790	2.1
	N	2,670	57	57	57	2,670	57	2,670	324
4	ESTIMATE	16,823	1.049	3.75	47.5	15,130	3.58	4,232	12.3
	(SE)	5,348	0.273	1.13	8.0	3,205	0.52	664	1.8
	N	2,670	40	40	40	2,670	40	2,670	324
5	ESTIMATE	29,942	1.122	4.94	50.0	25,181	4.41	5,713	16.7
	(SE)	8,427	0.206	1.32	6.9	5,207	0.70	770	2.1
	N	2,670	54	54	54	2,670	54	2,670	324
PERCENT OF TOTAL LICENSEES									
STATEWIDE	ESTIMATE	202,370	1.542	7.85	58.6	128,704	5.09	25,287	9.0
	(SE)	30,461	0.110	1.10	2.7	14,415	0.48	1,561	0.6
	N	2,670	324	324	324	2,670	324	2,670	2,670
							</		

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	21,584	0.403	2.07	46.3	22,324	5.15	4,338	8.9
	(SE)	7,061	0.098	0.48	7.9	4,633	0.72	672	1.3
	N	2,670	41	41	41	2,670	41	2,670	463
2	ESTIMATE	25,816	0.457	2.12	47.4	28,038	4.65	6,031	12.3
	(SE)	7,305	0.097	0.43	6.7	5,388	0.66	790	1.5
	N	2,670	57	57	57	2,670	57	2,670	463
3	ESTIMATE	85,382	0.647	4.06	70.1	102,417	6.29	16,294	33.3
	(SE)	10,842	0.066	0.40	3.7	11,461	0.50	1,275	2.2
	N	2,670	154	154	154	2,670	154	2,670	463
4	ESTIMATE	70,464	0.547	3.53	74.7	99,560	6.45	15,447	31.5
	(SE)	9,581	0.059	0.34	3.6	11,795	0.56	1,243	2.2
	N	2,670	146	146	146	2,670	146	2,670	463
5	ESTIMATE	28,778	0.420	2.34	52.3	38,301	5.57	6,877	14.0
	(SE)	7,852	0.104	0.55	6.2	7,689	0.89	843	1.6
	N	2,670	65	65	65	2,670	65	2,670	463
									PERCENT OF
									TOTAL
									LICENSEES
STATEWIDE	ESTIMATE	156,329	0.607	3.85	73.5	217,611	6.35	34,280	12.1
	(SE)	13,289	0.032	0.26	2.1	17,314	0.38	1,785	0.6
	N	2,670	463	463	463	2,670	463	2,670	2,670

TABLE 23. EXPANDED STATEWIDE SUMMARY OF TOTAL DEER HUNTING IN VIRGINIA DURING THE 1995-96 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	322,924	0.083	1.35	56.0	3,788,187	16.31	232,236	82.2
STATEWIDE (SE)	9,969	0.002	0.04	1.1	78,439	0.30	2,091	0.7
N	2,670	2,195	2,195	2,195	2,670	2,195	2,670	2,670

TABLE 24. EXPANDED STATEWIDE SUMMARY OF TOTAL DEER (DOES) HUNTING IN VIRGINIA DURING THE 1995-96 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	187,446	0.048	0.78	44.9	3,788,187	16.31	232,236	82.2
STATEWIDE (SE)	6,238	0.001	0.03	1.1	78,439	0.30	2,091	0.7
N	2,670	2,195	2,195	2,195	2,670	2,195	2,670	2,670

TABLE 25. EXPANDED STATEWIDE SUMMARY OF TOTAL DEER (DOES) HUNTING IN VIRGINIA DURING THE 1995-96 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	135,478	0.035	0.57	34.5	3,788,187	16.31	232,236	82.2
STATEWIDE (SE)	5,356	0.001	0.02	1.0	78,439	0.30	2,091	0.7
N	2,670	2,195	2,195	2,195	2,670	2,195	2,670	2,670

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	142,092	1.626	15.81	90.4	85,382	9.72	8,782	50.6
	(SE)	23,915	0.186	2.12	3.3	14,310	1.25	949	3.9
	N	2,670	83	83	83	2,670	83	2,670	164
2	ESTIMATE	24,017	0.960	7.68	82.1	23,700	8.00	2,962	17.1
	(SE)	6,774	0.276	1.79	7.4	9,124	2.74	557	2.9
	N	2,670	28	28	28	2,670	28	2,670	164
3	ESTIMATE	7,618	0.531	6.00	70.0	11,956	11.30	1,058	6.1
	(SE)	3,238	0.188	2.41	15.3	8,482	7.57	334	1.9
	N	2,670	10	10	10	2,670	10	2,670	164
4	ESTIMATE	8,993	0.629	5.21	71.4	12,273	8.29	1,481	8.5
	(SE)	3,472	0.253	1.88	12.5	8,454	5.46	395	2.2
	N	2,670	14	14	14	2,670	14	2,670	164
5	ESTIMATE	28,355	1.138	8.83	72.4	23,806	7.76	3,068	17.7
	(SE)	7,816	0.336	1.98	8.4	9,254	2.70	567	3.0
	N	2,670	29	29	29	2,670	29	2,670	164
PERCENT OF									
TOTAL									
LICENSEES									
STATEWIDE	ESTIMATE	188,504	1.565	12.07	86.2	118,331	7.71	15,341	5.4
	(SE)	25,668	0.121	2.12	2.7	15,274	0.78	1,239	0.4
	N	2,670	164	164	164	2,670	164	2,670	2,670

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	2,010	0.487	1.06	33.3	4,126	2.17	1,904	25.4
	(SE)	1,201	0.253	0.60	11.4	1,171	0.35	447	5.2
	N	2,670	18	18	18	2,670	18	2,670	71
2	ESTIMATE	423	0.148	0.33	25.0	2,857	2.25	1,270	16.9
	(SE)	259	0.088	0.19	13.1	974	0.43	366	0.0
	N	2,670	12	12	12	2,670	12	2,670	71
3	ESTIMATE	212	0.105	0.25	25.0	2,010	2.38	846	11.3
	(SE)	150	0.068	0.16	16.4	865	0.63	299	3.8
	N	2,670	8	8	8	2,670	8	2,670	71
4	ESTIMATE	318	0.136	0.33	22.2	2,328	2.44	952	12.7
	(SE)	236	0.093	0.24	14.7	921	0.56	317	4.0
	N	2,670	9	9	9	2,670	9	2,670	71
5	ESTIMATE	6,137	0.949	2.33	54.2	592	2.46	2,539	33.8
	(SE)	2,145	0.260	0.71	10.4	1,583	0.38	516	5.7
	N	2,670	24	24	24	2,670	24	2,670	71
									PERCENT OF
									TOTAL
									LICENSEES
STATEWIDE	ESTIMATE	8,679	0.755	1.70	46.8	11,219	2.26	4,973	1.8
	(SE)	2,477	0.112	0.44	6.0	1,940	0.22	719	0.3
	N	2,670	71	71	71	2,670	71	2,670	2,670
		</							

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	212	0.000			423	2.00	212	
	(SE)	150	0.000	0.00	0.0	299	0.00	150	4.9
	N	2,670	2	2	2	2,670	2	2,670	3.4
2	ESTIMATE	318	0.015			6,877	16.25	423	
	(SE)	183	0.016	0.25	25.0	4,788	9.10	211	9.8
	N	2,670	4	4	4	2,670	4	2,670	4.7
3	ESTIMATE	3,280	0.058	1.12	60.0	51,420	19.44	2,645	61.0
	(SE)	914	0.043	0.26	10.0	38,865	14.46	527	7.7
	N	2,670	25	25	25	2,670	25	2,670	41
4	ESTIMATE	212	0.000	0.00	0.0	2,222	3.00	741	17.1
	(SE)	150	0.000	0.00	0.0	1,173	1.20	280	5.9
	N	2,670	7	7	7	2,670	7	2,670	41
5	ESTIMATE	318	0.000	0.00	0.0	1,481	4.67	317	7.3
	(SE)	183	0.000	0.00	0.0	1,099	2.67	183	4.1
	N	2,670	3	3	3	2,670	3	2,670	41
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	3,493	0.051	0.88	48.5	60,753	17.39	3,491	1.2
	(SE)	927	0.026	0.21	7.9	39,199	10.98	595	0.2
	N	2,670	41	41	41	2,670	41	2,670	2,670

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	29,307	0.431	8.35	73.9	47,082	19.35	2,433	13.7
	(SE)	9,572	0.109	3.23	9.4	17,921	6.31	505	2.7
	N	2,670	23	23	23	2,670	23	2,670	168
2	ESTIMATE	54,171	0.726	9.79	88.4	61,365	13.49	4,549	25.6
	(SE)	13,520	0.114	2.45	4.9	16,080	2.92	688	3.4
	N	2,670	43	43	43	2,670	43	2,670	168
3	ESTIMATE	58,509	0.484	8.33	86.0	103,792	17.21	6,031	33.9
	(SE)	11,722	0.059	1.49	4.6	19,630	2.37	790	3.7
	N	2,670	57	57	57	2,670	57	2,670	168
4	ESTIMATE	28,990	0.544	7.54	61.5	38,089	13.85	2,751	15.5
	(SE)	9,775	0.099	2.98	9.7	12,984	3.95	537	2.8
	N	2,670	26	26	26	2,670	26	2,670	168
5	ESTIMATE	32,587	0.420	12.21	78.9	58,403	29.05	2,010	11.3
	(SE)	10,467	0.109	4.08	9.6	20,856	8.19	460	2.5
	N	2,670	19	19	19	2,670	19	2,670	168
PERCENT OF TOTAL LICENSEES									
STATEWIDE									
STATEWIDE	ESTIMATE	124,893	0.485	7.91	8.8	234,757	16.31	14,389	5.1
	(SE)	17,161	0.040	0.96	2.2	32,738	1.83	1,203	0.4
	N	2,670	168	168	168	2,670	168	2,670	2,670

TABLE 2. EXPANDED STATEWIDE SUMMARY OF TOTAL SQUIRREL HUNTING IN VIRGINIA DURING THE 1985-86 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	1,443,895	1.550	12.00	89.0	897,222	7.74	115,853	41.0
STATEWIDE	(SE)	58,677	0.054	0.41	0.9	38,727	0.28	2,689	1.0
	N	2,670	1,095	1,095	1,095	2,670	1,095	2,670	2,670

TABLE 3. EXPANDED STATEWIDE SUMMARY OF TOTAL GOOSE HUNTING IN VIRGINIA DURING THE 1985-86 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	18,946	0.697	2.38	53.1	23,074	3.41	6,771	2.4
STATEWIDE	(SE)	5,041	0.102	0.64	4.7	3,967	0.41	836	0.3
	N	2,670	114	114	114	2,670	114	2,670	2,670

TABLE 44. (Q20) PERCEPTIONS OF FALL TURKEY HUNTERS REGARDING OVERALL QUALITY OF 1995 FALL TURKEY SEASON. *

						REGIONS		
	STATEWIDE	1	2	3	4	5		
	3.89	3.89	3.91	3.61	3.41	3.85		
* MEAN SCORES, WHERE 1=POOR, 4=ADEQUATE, 7=EXCELLENT								

TABLE 45. (Q21) STATEWIDE AND REGIONAL DISTRIBUTION OF RUFFED GROUSE KILLED BY MONTH (# KILLED PER HUNTER).

						REGIONS		
MONTH	STATEWIDE	1	2	3	4	5		
OCTOBER	0.280	1.000	0.111	0.212	0.420	0.071		
NOVEMBER	0.846	1.667	0.556	0.903	0.951	0.000		
DECEMBER	0.533	0.000	0.222	0.904	0.259	0.143		
JANUARY	0.429	0.000	0.074	0.575	0.284	1.071		
FEBRUARY	0.110	0.000	0.111	0.124	0.025	0.286		

TABLE 46. (Q21) STATEWIDE AND REGIONAL DISTRIBUTION OF RUFFED GROUSE HUNTING BY MONTH (# OF HUNTS PER HUNTER).

						REGIONS		
MONTH	STATEWIDE	1	2	3	4	5		
OCTOBER	0.579	0.667	0.519	0.522	0.580	0.786		
NOVEMBER	1.669	2.333	1.407	1.699	1.741	1.429		
DECEMBER	1.298	3.333	0.630	2.009	0.593	0.929		
JANUARY	0.756	0.333	0.444	0.956	0.444	1.929		
FEBRUARY	0.390	0.000	0.556	0.434	0.148	0.857		

TABLE 47. (Q22) PERCEPTIONS OF RUFFED GROUSE HUNTERS REGARDING OVERALL QUALITY OF 1995-96 RUFFED GROUSE SEASON. *

						REGIONS		
	STATEWIDE	1	2	3	4	5		
	2.94	4.33	2.33	2.97	3.08	3.50		
MEAN SCORES, WHERE 1=POOR, 4=ADEQUATE, 7=EXCELLENT								

TABLE 48. (Q23) STATEWIDE AND REGIONAL DISTRIBUTION OF NUMBER OF QUAIL HUNTERS THAT HUNTED QUAIL ON OPENING DAY OF 1995-96 SEASON (PCT).

					REGIONS		
RESPONSE	STATEWIDE	1	2	3	4	5	
YES	22.3	30.8	17.5	11.1	15.8	26.7	
NO	66.8	60.0	77.8	69.4	68.4	60	
NOT SURE	10.9	9.2	4.8	19.4	15.8	13.3	

TABLE 49. (Q24) STATEWIDE AND REGIONAL SUMMARIES OF PREFERENCES OF QUAIL HUNTERS FOR QUAIL SEASON OPENING DATE OPTIONS. *

					REGIONS		
DATE	STATEWIDE	1	2	3	4	5	
1ST MON. - NOV.	4.62	4.33	4.57	4.91	4.50	4.79	
2ND MON. - NOV.	3.98	3.98	3.81	4.14	4.08	3.93	
3RD MON. - NOV.	3.50	3.96	3.19	3.48	3.14	3.39	
4TH MON. - NOV.	3.66	3.88	3.49	3.75	3.64	3.26	

* MEAN SCORES, WHERE 1=STRONGLY OPPOSE, 7=STRONGLY FAVOR.

TABLE 50. (Q25) STATEWIDE SUMMARY OF PREFERENCES FOR OPENING DAYS FOR SELECTED SPECIES (PCT).

SPECIES	SATURDAY	MONDAY	DOES NOT MATTER				
QUAIL	43.8	27.5	28.8				
RABBIT	47.3	28.4	24.4				
SQUIRREL	50.9	22.7	26.4				
RUFFED GROUSE	52.4	26.6	21.0				
FALL TURKEY	50.0	29.8	20.2				
SPRING TURKEY	61.8	26.1	12.1				
DEER (ARCHERY)	65.9	23.9	10.3				
DEER (MUZZLELOADER)	48.9	41.1	9.9				
DEER (GUN)	40.5	46.5	13.0				

TABLE 51. (Q26) STATEWIDE AND REGIONAL SUMMARIES OF PREFERENCES OF DUCK HUNTERS REGARDING OCTOBER SEGMENT OF DUCK SEASON (CT).

DATE	STATEWIDE	REGIONS				
		1	2	3	4	5
OCT. 2-5	17.9	12.0	27.3	20.0	22.2	26.1
OCT. 9-12	50.7	58.7	54.5	20.0	11.1	47.8
DOES NOT MATTER	31.4	29.3	18.2	60.0	66.7	26.1

TABLE 52. (Q27) PERCEPTIONS OF DEER HUNTERS REGARDING OVERALL QUALITY OF DEER HUNTING DURING 1995-96. *

	STATEWIDE	REGIONS				
		1	2	3	4	5
	4.18	4.60	4.28	3.91	3.66	4.67

* MEAN SCORES, WHERE 1=POOR, 4=ADEQUATE, 7=EXCELLENT

TABLE 53. (Q28) PERCEPTIONS OF DEER HUNTERS REGARDING TRENDS IN NUMBER OF DEER SEEN (PCT).

TREND	STATEWIDE	REGIONS				
		1	2	3	4	5
DECLINED DRAMATICALLY	7.7	4.6	5.0	11.0	12.6	5.1
DECLINED	24.3	21.0	21.1	26.2	36.4	18.1
REMAINED THE SAME	42.5	40.9	45.4	41.8	35.6	47.2
INCREASED	18.8	23.6	21.7	17.0	11.8	20.5
INCREASED DRAMATICALLY	4.5	6.1	5.2	2.1	1.9	6.5
NO OPINION	2.2	3.7	1.7	1.8	1.9	2.7

TABLE 54. (Q29) OPINIONS OF GUN - DEER HUNTERS REGARDING THE APPROPRIATE POLICY REGARDING DOE DAYS (PCT).

RESPONSE	STATEWIDE	REGIONS				
		1	2	3	4	5
INCREASE DAYS	32.6	41.6	30.6	33.7	22.7	33.8
KEEP DAYS THE SAME	45.3	49.1	51.1	37.1	41.7	50.1
DECREASE DAYS	20.1	8.4	16.1	26.2	34.2	14.1
NO OPINION	2.0	0.9	2.2	2.9	1.4	2.0

TABLE 55. (Q30) STATEWIDE AND REGIONAL DISTRIBUTION OF HUNTERS THAT USED A SCOPE ON A MUZZLELOADER DURING THE 1995-96 MUZZLELOADER SEASON (PCT).

RESPONSE	STATEWIDE	REGIONS				
		1	2	3	4	5
YES	34.2	36.8	34.4	36.5	34.7	25.4
NO	65.8	63.2	65.6	63.5	65.3	74.6

TABLE 56 (Q31) PREFERENCES OF DEER HUNTERS REGARDING REQUIRING ALL HUNTERS TO WEAR HUNTER ORANGE DURING OPEN MUZZLELOADER SEASON. *

	STATEWIDE	REGIONS				
		1	2	3	4	5
	4.44	4.09	4.42	4.60	4.44	4.13

* MEAN SCORES, WHERE 1=STRONGLY OPPOSED, 4=DOES NOT MATTER, 7=STRONGLY FAVORED

TABLE 57. (Q32) PERCEPTIONS OF DEER HUNTERS REGARDING QUALITY OF OVERALL MANAGEMENT OF DEER BY VDGIF. *

	STATEWIDE	REGIONS				
		1	2	3	4	5
	4.60	4.99	4.81	4.17	4.02	4.97

* MEAN SCORES, WHERE 1=POOR, 4=ADEQUATE, 7=EXCELLENT

TABLE 58. (Q33) PERCEPTIONS OF DEER HUNTERS REGARDING HOW WELL VDGIF INCORPORATES PUBLIC INPUT INTO DEER MANAGEMENT DECISIONS. *

	STATEWIDE	REGIONS				
		1	2	3	4	5
	3.83	4.11	4.02	3.46	3.36	4.26

* MEAN SCORES, WHERE 1=POOR, 4=ADEQUATE, 7=EXCELLENT

TABLE 59. (Q34) STATEWIDE AND REGIONAL DISTRIBUTION OF HUNTERS THAT HUNTED ON PUBLICLY-OWNED LAND DURING THE 1995-96 HUNTING SEASON (PCT).

RESPONSE	STATEWIDE
YES	45.7
NO	52.7
NOT SURE	1.5

TABLE 60. (Q34A) STATEWIDE DISTRIBUTION OF HUNTING ON SELECTED TYPES OF PUBLIC LANDS (MEAN # OF DAYS PER HUNTER).

LAND TYPE	NUMBER OF DAYS
VDGIF WMA'S	1.05
STATE FOREST	0.89
STATE PARK	0.15
NAT'L FOREST	6.73
MILITARY LAND	0.75
OTHER PUBLIC LANDS	2.38

TABLE 61. (Q35) PERCEPTIONS OF PUBLIC LAND HUNTERS VS. NON-PUBLIC LAND HUNTERS REGARDING THE IMPORTANCE OF PUBLIC HUNTING LANDS. *

	STATEWIDE
PUBLIC LAND HUNTERS	6.70
NON-PUBLIC LAND HUNTERS	6.09
* MEAN SCORES, WHERE 1=NOT IMPORTANT, 4=DOES NOT MATTER, 7=EXTREMELY IMPORTANT	

TABLE 62. (Q36) OPINIONS OF ALL HUNTERS REGARDING WHETHER OR NOT THERE ARE SUFFICIENT PUBLIC HUNTING LANDS. *

	STATEWIDE
PUBLIC LAND HUNTERS	3.86
NON-PUBLIC LAND HUNTERS	3.64
* MEAN SCORES, WHERE 1=STRONGLY DISAGREE, 4=NO OPINION, 7=STRONGLY AGREE	

TABLE 63. (Q37) STATEWIDE DISTRIBUTION OF ALL HUNTING DURING THE 1995-96 SEASON ACROSS LAND OWNERSHIP TYPES (PCT).

LAND TYPE	STATEWIDE
LAND YOU OWN (OR OWNED BY FAMILY)	21.68
PUBLIC LANDS WMA'S, NAT'L FORESTS	21.44
PRIVATE LANDS (OWNED BY SOMEONE OTHER THAN FAMILY)	49.42
CORPORATE LANDS	7.67

TABLE 64. (Q38) PREFERENCES OF DEER HUNTERS REGARDING THE INSTITUTION OF RESTRICTIONS TO INCREASE DEER QUALITY ON PUBLIC LANDS. *

	STATEWIDE	1	2	3	4	5
	4.53	4.55	4.40	4.35	4.75	4.74

* MEAN SCORES, WHERE 1=STRONGLY OPPOSED, 4=DOES NOT MATTER, 7=STRONGLY FAVORED

TABLE 65. (Q39) PERCEPTIONS OF SPRING TURKEY HUNTERS REGARDING THE OVERALL QUALITY OF THE 1996 SPRING TURKEY SEASON. *

						REGIONS	
	STATEWIDE	1	2	3	4	5	
	4.43	4.66	4.54	4.54	4.08	4.28	
* MEAN SCORES, WHERE 1=POOR, 4=ADEQUATE, 7=EXCELLENT							

TABLE 66. (Q40) NUMBER OF HUNTERS EXPERIENCING INTERFERENCE WHILE HUNTING DURING THE 1996 SPRING TURKEY SEASON (PCT).

						REGIONS	
RESPONSE	STATEWIDE	1	2	3	4	5	
YES	42.3	46.3	38.0	51.0	37.1	38.9	
NO	57.7	53.7	62.0	49.0	62.9	61.1	
NUMBER OF HUNTS WHERE INTERFERENCE WAS EXPERIENCED	2.79	2.33	2.56	3.01	3.10	2.78	

TABLE 67. (Q41) RESPONDENTS' OPINIONS REGARDING OPENING SPRING TURKEY SEASON ON THE SATURDAY NEAREST APRIL 15TH (PCT).

						REGIONS	
RESPONSE	STATEWIDE	1	2	3	4	5	
TOO EARLY	5.0	5.3	3.1	5.8	3.1	7.60	
I LIKE THE IDEA	77.5	61.1	81.4	80.5	79.4	80.40	
TOO LATE	17.5	33.7	15.5	13.6	17.5	12.00	

TABLE 68. (Q42) RESPONDENTS' PREFERENCES FOR HUNTING HOURS DURING SPRING TURKEY SEASON (PCT).

						REGIONS	
HOURS	STATEWIDE	1	2	3	4	5	
HALF HOUR BEFORE SUNRISE UNTIL NOON	48.8	48.4	48.1	48.1	57.1	42.1	
HALF HOUR BEFORE SUNRISE UNTIL SUNSET	45.6	42.1	47.3	47.4	40.8	51.6	
DOES NOT MATTER	5.6	9.5	4.7	4.5	2.0	6.3	

TABLE 69. (Q43) STATEWIDE AND REGIONAL DISTRIBUTION OF 1996 SPRING TURKEY HUNTING WEEK (MEAN # DAYS HUNTED).

WEEK	STATEWIDE	1	2	3	4	5
OPENING DAY (PCT YES)	72.8	73.8	69.9	75.4	71.1	72.2
APRIL 15-20	1.69	3.05	1.60	1.69	1.59	1.50
APRIL 22-27	1.45	2.61	1.40	1.47	1.65	1.20
APRIL 27-MAY 4	1.22	2.61	1.14	1.38	1.02	1.13
MAY 6-11	0.98	2.68	0.94	0.99	1.00	0.79
MAY 13-18	0.85	2.87	0.79	0.82	0.83	0.68

TABLE 70. (Q44) TYPES OF FIREARMS USED DURING 1996 SPRING TURKEY SEASON (PCT).

TYPE OF FIREARM	STATEWIDE	1	2	3	4	5
SHOTGUN	89.3	96.9	93.1	83.9	84.2	88.4
RIFLE	4.3	1.0	2.3	6.5	7.4	5.3
SHOTGUN/RIFLE	4.8	2.0	3.1	7.7	8.4	3.2
PISTOL	0.2	0.0	0.0	0.0	0.0	0.0
BOW	1.4	0.0	1.5	1.9	0.0	3.2
MUZZLELOADER	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 71. (Q45) SPRING TURKEY HUNTERS PREFERENCE FOR SIZE OF SHOT (PCT).

SIZE OF SHOT	STATEWIDE	1	2	3	4	5
8	11.6	15.6	7.2	9.8	9.0	19.5
10	54.9	55.2	57.6	54.5	49.4	55.2
12	11.2	12.5	10.4	15.4	13.5	4.6
14 OR SMALLER	22.3	16.7	24.8	20.3	28.1	20.7

TABLE 72. (Q46) STATEWIDE AND REGIONAL DISTRIBUTION OF SPRING TURKEY HUNTING ACROSS EIGHT TYPES OF LAND DURING THE 1996 HUNTING SEASON (PCT).

TYPE	STATEWIDE	REGIONS				
		1	2	3	4	5
VDGIF WMA	2.79	3.28	1.95	1.02	3.18	4.64
NAT'L FORESTS	15.12	1.63	5.45	25.40	39.12	3.01
PRIVATE LAND	57.46	47.39	69.02	60.58	45.92	62.54
CORPORATE LAND	2.72	0.63	3.16	6.08	0.15	0.51
HUNT CLUB - PVT. LAND	13.25	26.21	11.80	4.38	4.44	18.92
HUNT CLUB - CORP. LAND	5.79	13.20	8.19	0.38	0.62	5.39
MILITARY LAND	1.52	4.66	0.00	0.00	0.00	3.71
OTHER	2.52	3.03	0.43	2.13	6.58	1.25

TABLE 73. (Q47) STATEWIDE & REGIONAL SUMMARIES OF SPRING TURKEY HUNTERS' PERCEPTIONS OF THE IMPORTANCE OF SELECTED ATTRIBUTES ASSOCIATED WITH HARVESTING SPRING TURKEYS. *

ATTRIBUTE	STATEWIDE	REGIONS				
		1	2	3	4	5
Q47V	5.195	5.258	5.300	5.225	4.947	5.242
Q47W	4.242	4.371	4.318	4.265	4.202	4.095
Q47X	3.417	3.385	3.527	3.333	3.351	3.474
Q47Y	5.201	5.227	5.277	5.309	4.936	5.105
Q47Z	4.101	4.237	4.384	3.785	3.922	4.108
Q47AA	4.748	4.624	4.706	5.028	4.478	4.785
Q47BB	4.169	4.258	4.460	3.945	4.056	4.032
MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT						

TABLE 74. (Q47) STATEWIDE SUMMARY OF RESPONDENTS' PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED SPRING TURKEY HUNTING ATTRIBUTES (1996).

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q47A	5.523	5.611	0.088
Q47B	6.000	6.072	0.072
Q47C	5.414	5.447	0.033
Q47D	5.743	5.106	-0.637
Q47E	4.489	4.220	-0.269
Q47F	3.582	3.591	0.009
Q47G	3.804	3.755	-0.049
Q47H	3.374	2.592	-0.782
Q47I	5.920	4.637	-1.283
Q47J	5.535	5.162	-0.373
Q47K	5.912	4.735	-1.177
Q47L	6.564	5.435	-1.129
Q47M	5.102	4.829	-0.273
Q47N	5.069	4.199	-0.870
Q47O	4.074	4.084	0.010
Q47P	6.066	4.873	-1.193
Q47Q	6.219	5.736	-0.483
Q47R	6.039	5.518	-0.521
Q47S	6.224	5.869	-0.355
Q47T	5.880	5.785	-0.095
Q47U	5.367	4.413	-0.954
* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT			
** PERFORMANCE - IMPORTANCE			

TABLE 75. (Q47) REGION 1 SUMMARY OF RESPONDENTS' PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED SPRING TURKEY HUNTING ATTRIBUTES (1996).

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q47A	5.573	5.604	0.031
Q47B	5.897	6.011	0.114
Q47C	5.411	5.418	0.007
Q47D	5.515	5.264	-0.251
Q47E	4.474	4.341	-0.133
Q47F	3.573	3.517	-0.056
Q47G	3.814	3.681	-0.133
Q47H	3.268	2.571	-0.697
Q47I	6.113	4.989	-1.124
Q47J	5.567	5.293	-0.274
Q47K	5.938	4.778	-1.160
Q47L	6.639	5.500	-1.139
Q47M	5.052	4.857	-0.195
Q47N	4.918	4.220	-0.698
Q47O	3.99	4.144	0.154
Q47P	6.175	5.132	-1.043
Q47Q	6.443	6.055	-0.388
Q47R	6.042	5.769	-0.273
Q47S	6.229	6.077	-0.152
Q47T	5.948	5.967	0.019
Q47U	5.309	4.846	-0.463
* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT			
** PERFORMANCE - IMPORTANCE			

TABLE 76. (Q47) REGION 2 SUMMAR OF RESPONDENTS PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED SPRING TURKEY HUNTING ATTRIBUTES (1996).

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q47A	5.466	5.541	0.075
Q47B	6.000	5.886	-0.114
Q47C	5.285	5.287	0.002
Q47D	5.543	5.033	-0.51
Q47E	4.435	4.130	-0.305
Q47F	3.496	3.410	-0.086
Q47G	3.802	3.724	-0.078
Q47H	3.385	2.593	-0.792
Q47I	5.817	4.772	-1.045
Q47J	5.481	5.309	-0.172
Q47K	5.885	4.836	-1.049
Q47L	6.481	5.533	-0.948
Q47M	5.146	4.926	-0.22
Q47N	5.084	4.211	-0.873
Q47O	4.038	4.098	0.06
Q47P	5.931	4.829	-1.102
Q47Q	6.221	5.738	-0.483
Q47R	6.015	5.520	-0.495
Q47S	6.238	5.772	-0.466
Q47T	5.794	5.740	-0.054
Q47U	5.344	4.553	-0.791
* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT			
** PERFORMANCE - IMPORTANCE			

TABLE 77. (Q47) REGION 3 SUMMARY OF RESPONDENTS' PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED SPRING TURKEY HUNTING ATTRIBUTES (1996).

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q47A	5.470	5.597	0.127
Q47B	6.086	6.230	0.144
Q47C	5.362	5.387	0.025
Q47D	5.952	5.072	-0.88
Q47E	4.486	4.114	-0.372
Q47F	3.671	3.706	0.035
Q47G	3.730	3.727	-0.003
Q47H	3.278	2.640	-0.638
Q47I	6.053	4.849	-1.204
Q47J	5.513	5.022	-0.491
Q47K	5.829	4.467	-1.362
Q47L	6.500	5.423	-1.077
Q47M	4.775	4.580	-0.195
Q47N	4.947	4.225	-0.722
Q47O	4.000	4.036	0.036
Q47P	6.211	4.590	-1.621
Q47Q	6.270	5.912	-0.358
Q47R	6.205	5.662	-0.543
Q47S	6.184	5.986	-0.198
Q47T	5.901	5.705	-0.196
Q47U	5.572	4.698	-0.874
* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT			
** PERFORMANCE - IMPORTANCE			

TABLE 78. (Q47) REGION 4 SUMMARY OF RESPONDENTS' PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED SPRING TURKEY HUNTING ATTRIBUTES (1996).

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q47A	5.830	5.604	-0.226
Q47B	6.149	6.187	0.038
Q47C	5.457	5.678	0.221
Q47D	5.871	5.495	-0.376
Q47E	4.570	4.311	-0.259
Q47F	3.495	3.747	0.252
Q47G	3.840	3.945	0.105
Q47H	3.479	2.758	-0.721
Q47I	5.819	4.278	-1.541
Q47J	5.613	4.922	-0.691
Q47K	5.840	4.719	-1.121
Q47L	6.553	5.247	-1.306
Q47M	5.140	4.944	-0.196
Q47N	5.457	4.315	-1.142
Q47O	4.258	4.225	-0.033
Q47P	6.118	5.100	-1.018
Q47Q	6.011	5.708	-0.303
Q47R	5.915	5.270	-0.645
Q47S	6.223	5.753	-0.470
Q47T	5.925	5.656	-0.269
Q47U	5.022	3.933	-1.089
* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT			
** PERFORMANCE - IMPORTANCE			

TABLE 79. (Q47) REGION 5 SUMMARY OF RESPONDENTS' PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED SPRING TURKEY HUNTING ATTRIBUTES (1996).

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q47A	5.421	5.793	0.372
Q47B	5.874	6.054	0.18
Q47C	5.505	5.522	0.017
Q47D	5.758	4.957	-0.801
Q47E	4.415	4.169	-0.246
Q47F	3.511	3.522	0.011
Q47G	3.789	3.783	-0.006
Q47H	3.568	2.495	-1.073
Q47I	5.905	4.250	-1.655
Q47J	5.484	5.253	-0.231
Q47K	6.211	5.033	-1.178
Q47L	6.695	5.478	-1.217
Q47M	5.337	5.110	-0.227
Q47N	5.158	4.220	-0.938
Q47O	3.947	3.967	0.02
Q47P	6.042	4.576	-1.466
Q47Q	6.337	5.489	-0.848
Q47R	5.958	5.348	-0.61
Q47S	6.326	5.848	-0.478
Q47T	5.884	5.978	0.094
Q47U	5.415	4.174	-1.241
* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT			
** PERFORMANCE - IMPORTANCE			

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Appendix

1995-96

Virginia Hunter Survey



Virginia Department of Game and Inland Fisheries
and George Mason University

VIRGINIA DEPARTMENT OF
GAME AND INLAND FISHERIES
HUNTER QUESTIONNAIRE



Please answer each of the following questions completely. All responses to questions will be kept in strictest confidence. Results from this study will be reported only in an aggregate total, never attributed to any individual.

1. Did you purchase a Virginia resident hunting license for the 1995-96 hunting season (July 1, 1995 - June 30, 1996)?
☐ Yes
☐ No (If no, do not go further. Please fold the questionnaire, place it in the return envelope, and return it as soon as possible.)
2. What type of license(s) did you purchase? (✓ Check all that apply.)
☐ State resident license (allowing you to hunt statewide)
☐ County/City license (allowing you to hunt only in the county/city where purchased)
☐ Senior license (for residents 65 years or older)
☐ Big game license (deer, bear, and turkey permit)
☐ Other (please specify) _____

On the next page, we would like information regarding the number of game animals you harvested during the 1995-96 hunting season.

INSTRUCTIONS:

- Put the number of animals you harvested personally in 1995-96 in each of the boxes below. Be as accurate as possible.
- Do not include game taken by anyone other than you.
- 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.

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 1995	Fall 1995	Spring 1996	
Bucks	Does	Bucks	Does	Bucks	Does				

6. Waterfowl Harvest:

Ducks				Geese	
Mallard	Wood	Black	All Others	Sept. Season	Nov.-Feb. Season

7. Furbearer Harvest:

Red Fox	Gray Fox	Coyote	Raccoon	Bobcat

Next, we would like to know more about 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 '95	Fall, '95	Spring, '96	

11. Waterfowl Days Hunted:

Ducks	Geese	
	Sept. Season	Nov.-Feb. Season

12. Furbearer Days Hunted:

Red Fox	Gray Fox	Coyote	Raccoon	Bobcat

Using the map at the bottom of this page, **indicate the region of the state where you most often hunted each species by placing the number corresponding to that region in the space provided.** If you did not hunt an animal, 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:

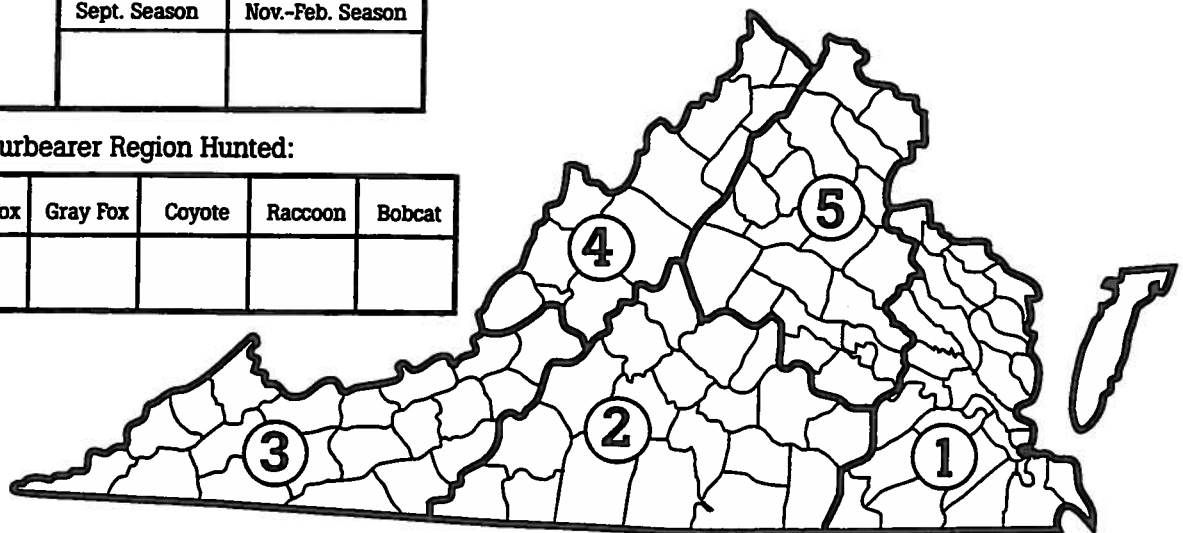
Deer			Turkey			Bear
Archery	Muzzleloader	Gun	Spring '95	Fall, '95	Spring, '96	

16. Waterfowl Region Hunted:

Ducks	Geese	
	Sept. Season	Nov.-Feb. Season

17. Furbearer Region Hunted:

Red Fox	Gray Fox	Coyote	Raccoon	Bobcat



18. Next, please indicate the county where you most often hunted DEER (Gun) during 1995.
(If you did not hunt deer, leave the space blank).

_____ County.

19. Now, indicate the county where you most often hunted TURKEYS during FALL 1995. (If you did not hunt turkeys in the fall, leave the space blank).

_____ County.

20. Overall, how do you rate the quality of your 1995 FALL TURKEY season?
(If you did not hunt turkeys in the fall, skip to question #21.)

Poor			Adequate			Excellent
☐	☐	☐	☐	☐	☐	☐

The next 2 questions pertain to hunting RUFFED GROUSE. (If you did not hunt grouse during the 1995-96 hunting season, please skip to Question #23).

21. Please indicate the number of grouse you killed and the number of times you hunted during each month of the 1995-96 hunting season.

	Grouse Killed	Number of Hunts
a. October	_____	_____
b. November	_____	_____
c. December	_____	_____
d. January	_____	_____
e. February	_____	_____

22. Overall, how do you rate the quality of your 1995-96 RUFFED GROUSE season?

Poor			Adequate			Excellent
☐	☐	☐	☐	☐	☐	☐

The next 2 questions pertain to QUAIL hunting.

23. Did you hunt QUAIL on the opening day of the 1995-96 quail season (November 27, 1995)?
☐ Yes ☐ No ☐ Not sure

24. If you were able to choose the opening date for QUAIL season, please indicate the degree to which you favor or oppose each of the following opening date options.

	Strongly Oppose			Does Not Matter			Strongly Favor
a. 1st Monday in November	☐	☐	☐	☐	☐	☐	☐
b. 2nd Monday in November	☐	☐	☐	☐	☐	☐	☐
c. 3rd Monday in November	☐	☐	☐	☐	☐	☐	☐
d. 4th Monday in November	☐	☐	☐	☐	☐	☐	☐

The next 2 questions relate to SETTING HUNTING SEASONS.

25. What day of the week would you prefer to open hunting seasons for the following species?

	Saturday	Monday	Does not matter
a. Quail	☐	☐	☐
b. Rabbit	☐	☐	☐
c. Squirrel	☐	☐	☐
d. Ruffed Grouse	☐	☐	☐
e. Fall Turkey	☐	☐	☐
f. Spring Turkey	☐	☐	☐
g. Deer (Archery)	☐	☐	☐
h. Deer (Muzzleloader)	☐	☐	☐
i. Deer (Gun)	☐	☐	☐

26. This question pertains to DUCK season. If the 1996-97 DUCK season consists of 3 segments, which dates do you prefer for the OCTOBER segment? (✓ Check only one).

- ☐ October 2-5
- ☐ October 9-12
- ☐ Does not matter

The next 7 questions pertain to WHITE-TAILED DEER.

27. Overall, how do you rate the quality of your 1995-96 DEER (Gun) season? (If you did not hunt deer, skip to question #32.)

Poor			Adequate			Excellent
☐	☐	☐	☐	☐	☐	☐

28. When compared to previous years, would you say the number of deer in the area you hunted in 1995: (✓ Check only one.)

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

29. In the area where you hunt during Gun-Deer season, would you increase, decrease, or keep the number of **DOE DAYS** as it is now? (✓ Check only one.)
- ☐ Increase the number of doe days.
- ☐ Keep the number of doe days the same.
- ☐ Decrease the number of doe days.
- ☐ No opinion.
30. If you hunted during a special muzzleloader deer season during 1995-96, did you use a scope on your muzzleloader? (If you did not hunt during a special muzzleloader season in 1995-96, please skip to Question #31).

☐ Yes ☐ No

31. Please indicate the degree to which you **favor or oppose** requiring ALL HUNTERS (regardless of the species they are hunting) to wear hunter orange (blaze orange) during open muzzleloader seasons for deer?

Strongly Oppose				Does Not Matter				Strongly Favor
☐	☐	☐	☐	☐	☐	☐	☐	☐

32. Overall, how would you rate the management of deer by the Department of Game and Inland Fisheries?

Poor				Adequate				Excellent
☐	☐	☐	☐	☐	☐	☐	☐	☐

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

Poor				Adequate				Excellent
☐	☐	☐	☐	☐	☐	☐	☐	☐

The next set of questions pertains to management of PUBLIC LANDS for hunting.

34. Did you hunt on publicly-owned land (national forest, state wildlife management area, etc.) during the 1995-96 hunting season?

☐ Yes ☐ No ☐ Not sure

If yes, how many days did you hunt on each of the following categories of public land during the 1995-96 hunting season? (Count partial days as 1 day).

- a. VDGIF-owned wildlife management area _____ days
- b. State forest _____ days
- c. State park _____ days
- d. National forest _____ days
- e. Military land _____ days
- f. Other public lands _____ days

35. How important is it to have public lands on which to hunt?

Not Important		Does not Matter		Extremely Important	
☐	☐	☐	☐	☐	☐

36. Please tell us the degree to which you agree or disagree with the following statement.
During the 1995-96 hunting seasons, there was enough public land on which to hunt.

Strongly Disagree		Neither Agree Nor Disagree		Strongly Agree	
☐	☐	☐	☐	☐	☐

37. Of the days you spent hunting in the 1995-96 season, what percentage is spent hunting on lands in the following categories? Be sure that the total equals 100 percent.

- a. Land you own _____ %
(or owned by your family)
- b. Public lands _____ %
(state WMA's, national forests, etc.)
- c. Private lands _____ %
(owned by someone other than
you or someone in your family)
- d. Corporate lands _____ %
(Westvaco, Union Camp, etc.)
- TOTAL 100 %

38. If, in order to increase the quality of deer on PUBLIC LANDS, it meant instituting some form of restriction (e.g., shorter season, restricted buck harvest, etc.), to what degree would you favor or oppose implementing these restrictions?

Strongly Oppose		Does Not Matter		Strongly Favor	
☐	☐	☐	☐	☐	☐

The final set of questions pertains to SPRING TURKEY HUNTING. (If you did not hunt turkeys during the 1996 spring season, you have now completed the survey. Please fold the survey and return it to us as soon as possible.)

39. Overall, how do you rate the quality of your SPRING TURKEY hunting during 1996?

Poor Adequate Excellent
☐ ☐ ☐ ☐ ☐ ☐ ☐

40. Did you experience any interference from other hunters while hunting during the 1996 spring turkey season?

☐ Yes ☐ No

If yes, on how many hunts did you experience interference?

_____ hunts

41. What is your opinion regarding opening spring turkey season on the Saturday nearest April 15th each year? (✓ Check only one).

☐ Too early
☐ I like the idea
☐ Too late

42. Which option regarding hunting hours do you prefer for spring turkey season? (✓ Check only one.)

☐ 1/2 hour before sunrise until 12:00 noon
☐ 1/2 hour before sunrise until sunset
☐ Does not matter

43. How many days did you hunt during each of the following weeks of the 1996 spring turkey season?

a. Opening Day (April 13) ☐ Yes ☐ No
b. Week 1 (April 15-20) _____ days
c. Week 2 (April 22-27) _____ days
d. Week 3 (April 27-May 4) _____ days
e. Week 4 (May 6-11) _____ days
f. Week 5 (May 13-18) _____ days

44. What type of weapon did you use most often when hunting spring turkeys in 1996?
(✓ Check only one.)

☐ shotgun
☐ rifle
☐ shotgun/rifle combination
☐ pistol
☐ bow
☐ muzzleloader

45. If you hunted with a shotgun, what size shot did you use for your first shot?
(✓ Check only one).

☐ 2's
☐ 4's
☐ 5's
☐ 6's or smaller

46. On what type of land did you hunt SPRING TURKEYS during 1996? Please indicate the number of days and average distance (1-way) you traveled to each of the following types of land:

No. of Days		Average Miles Traveled (1-way)
_____	VDGIF Wildlife Management Area	_____
_____	National Forests (U.S. Forest Service)	_____
_____	Private Land (excluding hunt club or leased land)	_____
_____	Corporate Land (e.g. Westvaco) (excluding hunt club or leased land)	_____
_____	Hunt Club(s) on Leased Private Land	_____
_____	Hunt Club(s) on Leased Corporate Land	_____
_____	Military Land	_____
_____	Other (please specify) _____	_____

47. Next, we'd like you to imagine an **EXCELLENT SPRING TURKEY SEASON**. In the next set of questions, please indicate how essential the following attributes are to an excellent spring turkey season. Please put a "check" in the box which best describes your feelings about each one.

You may feel some attributes are more essential than others. Check the first box if you feel an attribute is **not at all essential** to an excellent season. Check the last box if an attribute is **absolutely essential**. When you feel less certain about how essential the attribute is, check one of the boxes toward the middle.

		Not At All Essential for Excellence		Nice But Not Essential		Absolutely Essential for Excellence	
a.	Getting away from civilization and everyday problems	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
b.	Being close to nature	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
c.	Maintaining and/or using my equipment	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
d.	Spending sufficient time scouting the areas I intend to hunt	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
e.	Being able to spend plenty of time patterning my shotgun	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
f.	Watching TV programs about spring turkey hunting	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
g.	Reading magazines about spring turkey hunting	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
h.	Attending seminars to learn more about spring turkey hunting	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
i.	Seeing turkeys while hunting	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
j.	Seeing and hearing other wildlife while hunting	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
k.	Seeing very few other hunters while hunting	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
l.	Feeling reasonably safe while in the woods	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
m.	Spending time with my hunting companions	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
n.	Teaching someone the skills of hunting turkeys in the spring	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
o.	Combining turkey hunting with other activities (e.g., fishing)	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
p.	Calling turkeys successfully	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
q.	Hearing turkeys while hunting	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
r.	Seeing turkey sign (tracks, scratchings, etc.)	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
s.	The challenge of turkey hunting	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
t.	The solitude of turkey hunting	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
u.	Getting a shot at a gobbler	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
v.	Bagging a gobbler	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
w.	Bagging a limit of gobblers	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
x.	Bagging a juvenile gobbler (jake)	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷
y.	Bagging an adult gobbler	☐ ¹	☐ ²	☐ ³	☐ ⁴	☐ ⁵	☐ ⁶ ☐ ⁷

- | | | | | | | | | |
|-----|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| z. | Showing a gobbler I bagged to family and friends | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| aa. | Bringing home a turkey to eat | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| bb. | Displaying a trophy turkey, beard, etc. | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |

In the previous section, you told us about the attributes that make for an excellent deer season. Now, we would like to ask you specifically about your spring turkey hunting during 1996.

48. Please tell us the degree to which you agree or disagree with the following statements.

- | | Strongly
Disagree | | Neither Agree
Nor Disagree | | Strongly
Agree | | | |
|---|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| During the 1996 spring turkey season, I: | | | | | | | | |
| a. | Was able to get away from civilization and everyday problems | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| b. | Felt close to nature | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| c. | Spent sufficient time maintaining and using my equipment | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| d. | Spent sufficient time scouting the areas I hunted | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| e. | Spent plenty of time patterning my shotgun | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| f. | Watched plenty of TV programs about spring turkey hunting | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| g. | Read plenty of magazines about spring turkey hunting | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| h. | Was able to attend a seminar(s) to learn more about spring turkey hunting | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| i. | Saw plenty of turkeys | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| j. | Saw and heard plenty of other wildlife | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| k. | Saw very few other hunters while hunting | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| l. | Felt reasonably safe while in the woods | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| m. | Was able to spend plenty of time with my hunting companions | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| n. | Taught someone the skills of hunting turkeys in the spring | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| o. | Was able to combine my turkey hunting with other activities | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| p. | Called turkeys successfully | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| q. | Heard turkeys while hunting | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| r. | Saw plenty of turkey sign (tracks, scratchings, etc.) | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| s. | Was personally challenged while turkey hunting | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| t. | Was able to find solitude while turkey hunting | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |
| u. | Had the opportunity to shoot at a gobbler | ☐ ¹ | ☐ ² | ☐ ³ | ☐ ⁴ | ☐ ⁵ | ☐ ⁶ | ☐ ⁷ |

Thank you for taking the time to complete this survey. Your answers are very important to the successful management of wildlife in Virginia. If you have questions regarding the study or this questionnaire, please contact the Center for Recreation Resources Policy at (703) 993-2064.

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