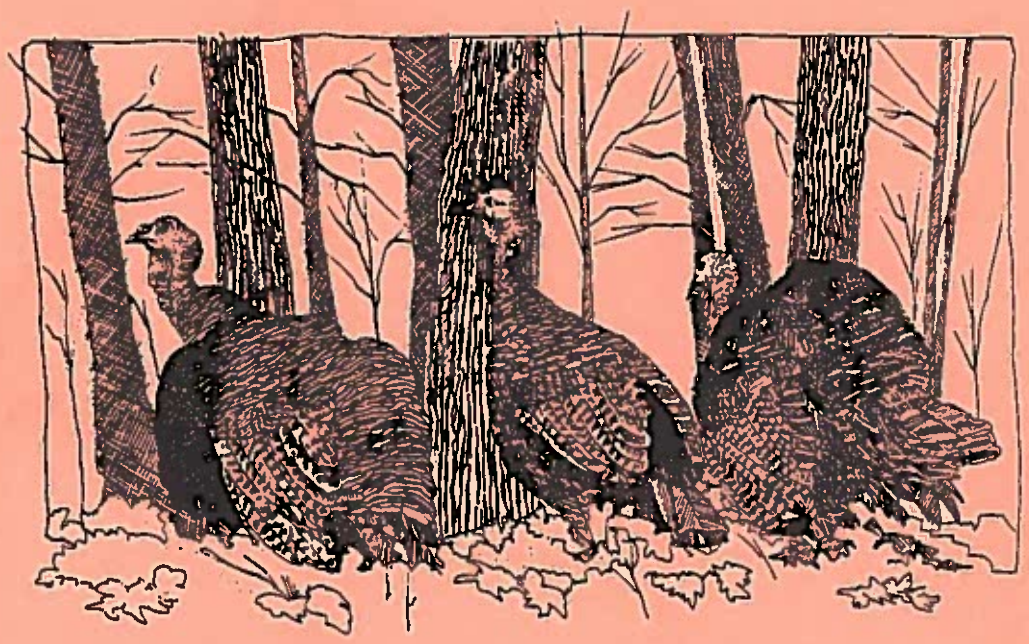
VIRGINIA SURVEY
OF
HUNTER HARVEST, EFFORT AND ATTITUDES

1993-94



By:

Brett A. Wright, Ph.D.
Center for Recreation Resources Policy
George Mason University

Virginia Department of Game and Inland Fisheries

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Center for Recreation Resources Policy
George Mason University
Fairfax, Virginia
Brett A. Wright, Director

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Contributors

Brett A. Wright, Ph.D. was the Principal Investigator and is Director of GMU's Center for Recreation Resources Policy.

Brenda P. Wiggins, Ph.D. was the Project Director responsible for day-to-day operations and management of the study.

Michael R. McFarland, Senior Parks, Recreation and Leisure Studies Student, was responsible for computer applications and compiled all data into the various tables which illustrate the study.

Amanda N. MaKay, Senior Parks, Recreation and Leisure Studies Student, was responsible for data collection, data coding and assisted in data analyses.

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

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Virginia Survey of Hunter Harvest, Effort and Attitudes
1993-94

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. Filion (1980) provides an excellent overview of the use of human surveys in wildlife management.

The purpose of this study was to:

(a) develop the procedures and instrumentation to conduct annual game harvest surveys through mail questionnaires;

(b) estimate game harvest and hunter effort indices for major game and furbearing species in Virginia; and,

(c) 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 5,000 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 1992-93 season were eligible to be drawn (N = 299,578). 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

Table 1.
1991-1992 Hunting Population and Survey Sample Statistics

	Population	Sample	Pct.
State Resident Licenses	264,853	4,420	88.4%
County/City Licenses	22,911	380	7.6%
Senior (65+) Licenses	11,814	200	4.0%
TOTALS	299,578	5,000	100%

license 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 5,000 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 621 surveys were returned as undeliverable (persons moved, wrong address given, etc.). They were removed from the original sample. Another 2,887 questionnaires had been returned. Of that total, 412 persons either did not purchase a license in 1993-94 (314 persons/6.3%) or refused to complete the survey (98 persons/1.9%), and were subsequently removed from the sample as well. Consequently, a total of 2,475 usable questionnaires were received, resulting in an effective response rate of 62.4% (effective n = 3,967).

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, 1993-94

	Population	Pct.
State Resident Licenses	257,687	88.5%
County/City Licenses	20,885	7.2%
Senior (65+) Licenses	12,567	4.3%
TOTALS	291,139	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 44 game species (or subpopulations of game animals) during the 1993-94 hunting seasons. Statewide summaries are shown in Tables 3 and 4. Regional estimates are provided in Tables 5-45. 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 48-71.

The third section of assesses the importance hunters assign to specific attributes of a fall turkey hunting experience, as well as an evaluation of their actual experiences during the 1993 fall season. The differences found to occur between a hunter's perceptions of how "essential" a particular attribute of a fall 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 72-77.

Finally, an assessment of the types of land on which respondents hunted during the 1993-94 season was conducted. The number of days spent hunting on eight different types of land (VDGIF wildlife management areas, national forest, private land, etc.) is presented in the final three tables (Tables 78-80) for three species (dove, deer and rabbits).

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 1993-94 hunting season (n=291,139). However, the statistics reported for Spring Turkey (1993) used a factor of 299,578 since this season was actually during the 1992-93

fig. 1

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 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.

Table 3. EXPANDED STATEWIDE SUMMARY OF THE 93-94 VIRGINIA SURVEY OF GAME HARVEST BASED ON 291,139 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
QUAIL		258,738	1.321	8.17	60.8	190,677	6.18	30,621	10.5
WOODCOCK		12,131	0.497	2.38	43.2	21,426	4.79	4,356	1.5
RUFFED GROUSE		51,800	0.314	1.60	47.7	146,512	5.12	28,619	9.8
CROW		201,549	1.444	11.03	84.7	129,500	7.64	16,953	5.8
RABBIT		608,359	1.144	7.14	75.5	504,633	6.24	80,473	27.6
TOTAL SQUIRREL		1,316,485	1.189	10.43	87.0	1,039,059	8.77	118,433	40.7
GRAY SQUIRREL		1,178,246	1.412	9.43	86.9	769,969	6.68	114,877	39.5
FOX SQUIRREL		140,623	0.484	3.37	66.9	269,713	6.96	38,732	13.3
GROUNDHOG/ WOODCHUCK		539,256	0.889	9.69	92.2	559,783	10.90	51,232	17.6
TOTAL DEER		310,329	0.076	1.21	54.2	3,796,476	15.85	239,512	82.3
BUCK		175,766	0.043	0.69	41.7	—	—	—	—
DOE		134,562	0.033	0.53	33.2	—	—	—	—
ARCHERY		35,789	0.039	0.41	26.9	812,591	10.39	78,188	26.9
BUCK		17,424	0.019	0.20	15.9	—	—	—	—
DOE		18,365	0.020	0.21	16.5	—	—	—	—
MUZZLELOADER		44,265	0.069	0.49	32.8	574,604	7.06	81,344	27.9
BUCK		30,268	0.048	0.34	26.3	—	—	—	—
DOE		14,015	0.021	0.15	11.6	—	—	—	—
GUN		230,460	0.087	0.92	48.4	2,432,538	10.56	230,153	79.1
BUCK		128,764	0.048	0.51	35.7	—	—	—	—
DOE		102,644	0.039	0.41	28.7	—	—	—	—
TURKEY 1993		42,611	0.032	0.30	22.2	1,150,808	9.48	120,483	41.4
SPRING 1993 *		15,512	0.038	0.26	21.1	301,625	6.99	43,005	14.8
FALL 1993		27,099	0.027	0.21	18.2	840,440	7.94	105,762	36.3
SPRING 1994		16,842	0.039	0.24	20.3	361,979	6.11	59,171	20.3
BEAR		824	0.005	0.04	4.1	151,227	7.59	19,920	6.8
TOTAL DUCKS		207,906	1.519	11.94	83.6	129,605	7.86	16,482	5.7
MALLARD		72,049	0.531	4.17	60.0	—	—	—	—
WOOD		57,686	0.411	3.23	57.1	—	—	—	—
BLACK		31,315	0.237	1.86	27.9	—	—	—	—
ALL OTHERS		46,855	0.340	2.67	31.4	—	—	—	—
TOTAL GEESE		30,256	0.540	2.56	56.5	47,562	4.75	10,007	3.4
SEPT.		5,415	0.231	0.56	18.5	7,655	2.41	3,180	1.1
NOV-JAN		24,840	0.596	2.66	61.8	39,926	4.46	8,951	3.1
RED FOX		11,890	0.157	0.87	53.7	53,116	5.50	9,658	3.3
GRAY FOX		13,421	0.219	1.19	42.9	40,413	5.44	7,423	2.5
COYOTE		1,295	0.060	0.47	33.3	13,780	7.80	1,767	0.6
RACCOON		177,087	0.380	9.32	85.5	361,361	24.54	14,610	5.0
BOBCAT		2,944	0.090	0.40	21.4	22,133	4.48	4,945	1.7
TOTAL DOVE		1,172,444	4.137	20.87	89.4	275,599	5.05	54,625	18.8
OPENING DAY		289,020	7.361	7.36	91.7	34,463	1.00	33,905	11.6
1ST SEG.		666,236	3.948	15.72	85.8	165,053	3.98	41,322	14.2
2ND SEG.		166,668	2.774	11.23	67.8	58,628	4.05	14,245	4.9
3RD SEG.		51,800	2.359	6.56	70.9	18,019	2.78	6,478	2.2

* N=299,578 TOTAL LICENSES '92-'93

Table 4. EXPANDED STATEWIDE ESTIMATES OF TOTAL HARVEST (WITH STD ERRORS) FOR VIRGINIA GAME SPECIES DURING 93-94.

Species	TOTAL HARVEST	STANDARD ERROR SE	STANDARD ERROR AS % OF TOTAL *	95% CONFIDENCE INTERVAL LOWER LIMIT	95% CONFIDENCE INTERVAL UPPER LIMIT
QUAIL	258,738	32,008	12.4	194,722	322,753
WOODCOCK	12,131	4,304	35.5	3,524	20,738
RUFFED GROUSE	51,800	7,810	15.1	36,179	67,421
CROW	201,549	42,947	21.3	115,655	287,442
RABBIT	608,359	44,968	7.4	518,424	698,294
TOTAL SQUIRREL	1,316,485	54,086	4.1	1,208,313	1,424,658
GRAY SQUIRREL	1,178,246	49,410	4.2	1,079,426	1,277,066
FOX SQUIRREL	140,623	11,961	8.5	116,702	164,544
GROUNDHOG/ WOODCHUCK	539,256	41,347	7.7	456,562	621,949
TOTAL DEER	310,329	10,615	3.4	289,099	331,558
BUCK	175,766	6,244	3.6	163,279	188,254
DOE	134,562	6,267	4.7	122,028	147,096
ARCHERY DEER	35,789	3,081	8.6	29,627	41,951
BUCK	17,424	2,030	11.6	13,364	21,483
DOE	18,365	1,802	9.8	14,762	21,969
MUZZLELOADER	44,265	3,278	7.4	37,710	50,821
BUCK	30,268	2,297	7.6	25,674	34,862
DOE	14,015	1,720	12.3	10,574	17,456
GUN	230,460	8,353	3.6	213,755	247,166
BUCK	128,764	4,902	3.8	118,960	138,568
DOE	102,644	5,051	4.9	92,541	112,746
TURKEY 1993	42,611	3,653	8.6	35,306	49,917
SPRING 1993 **	15,512	1,596	10.3	12,320	18,704
FALL 1993	27,099	2,057	7.6	22,986	31,212
SPRING 1994	16,842	1,601	9.5	13,640	20,044
BEAR	824	311	37.8	202	1,447
TOTAL DUCKS	207,906	48,445	23.3	111,015	304,796
MALLARD	72,049	17,575	24.4	36,900	107,198
WOOD	57,686	8,300	14.4	41,086	74,287
BLACK	31,315	14,215	45.4	2,886	59,745
ALL OTHERS	46,855	15,107	32.2	16,642	77,069
TOTAL GEESE	30,256	6,400	21.2	17,456	43,056
SEPT.	5,415	3,519	65.0	0	12,453
NOV-JAN	24,840	4,924	19.8	14,992	34,689
RED FOX	11,890	1,916	16.1	8,058	15,723
GRAY FOX	13,421	2,697	20.1	8,026	18,816
COYOTE	1,295	634	48.9	28	2,562
RACCOON	177,087	27,697	15.6	121,693	232,481
BOBCAT	2,944	1,182	40.2	580	5,309
TOTAL DOVE	1,172,444	78,797	6.7	1,014,850	1,330,038
OPENING DAY	289,020	18,287	6.3	252,445	325,594
1ST SEG.	666,236	47,701	7.2	570,834	761,637
2ND SEG.	166,668	25,917	15.6	114,833	218,503
3RD SEG.	51,800	10,142	19.6	31,517	72,083

* % = 100(SE/TOTAL HARVEST)

** N=299,578 TOTAL LICENSES '92-'93

TABLE 5. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF QUAIL HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	8,598	0.485	1.97	36.4	15,775	4.06	3,885	13.3
1	(SE)	2,719	0.151	0.61	8.6	3,821	0.70	672	2.2
	N	2,472	32	32	32	2,473	33	2,473	249
	ESTIMATE	13,544	0.501	3.19	37.8	27,784	6.38	4,356	14.9
2	(SE)	5,766	0.204	1.27	8.2	7,076	1.26	711	2.3
	N	2,472	36	36	36	2,473	37	2,473	249
	ESTIMATE	24,026	1.146	4.51	60.9	21,317	3.93	5,418	18.5
3	(SE)	7,059	0.303	1.17	7.4	4,211	0.53	791	2.5
	N	2,472	45	45	45	2,472	46	2,473	249
	ESTIMATE	62,681	1.101	7.43	63.9	57,215	6.75	8,476	28.9
4	(SE)	14,104	0.232	1.48	5.8	13,268	1.36	984	2.9
	N	2,471	70	70	70	2,473	72	2,473	249
	ESTIMATE	118,010	1.842	16.25	80.3	63,337	8.82	7,181	24.5
5	(SE)	24,037	0.222	2.70	5.2	13,376	1.50	908	2.7
	N	2,472	60	60	60	2,473	61	2,473	249
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	258,738	1.321	8.17	60.8	190,677	6.18	30,621	10.5
STATEWIDE	(SE)	32,008	0.132	0.93	3.0	20,782	0.57	1,797	0.6
	N	2,471	260	260	260	2,472	262	2,472	2,472

TABLE 6. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **WOODCOCK** HUNTING IN VIRGINIA DURING THE 1993-94 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	118	0.039	0.14	12.5	3,414	3.63	942	21.6
1	(SE)	118	0.032	0.14	13.5	1,529	1.07	333	6.9
	N	2,472	7	7	7	2,473	8	2,473	37
	ESTIMATE	353	0.072	0.67	33.3	4,356	9.25	353	8.1
2	(SE)	263	0.124	0.67	33.3	3,568	6.93	204	4.5
	N	2,472	3	3	3	2,473	3	2,473	37
	ESTIMATE	2,002	0.756	1.89	30.0	2,943	2.50	1,177	27.0
3	(SE)	1,378	0.379	1.21	16.2	1,032	0.40	372	7.4
	N	2,472	9	9	9	2,473	10	2,473	37
	ESTIMATE	1,649	0.761	3.50	40.0	2,708	4.60	589	13.5
4	(SE)	1,268	0.446	2.36	28.3	1,557	1.86	263	5.7
	N	2,472	4	4	4	2,473	5	2,473	37
	ESTIMATE	6,949	1.495	5.30	72.7	4,591	3.55	1,295	29.7
5	(SE)	3,835	0.644	2.92	14.8	2,426	1.61	390	7.6
	N	2,472	10	10	10	2,473	11	2,473	37
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	12,131	0.497	2.38	43.2	21,426	4.79	4,356	1.5
STATEWIDE	(SE)	4,304	0.197	0.91	8.3	5,731	1.04	711	0.2
	N	2,472	37	37	37	2,473	38	2,473	2,473

TABLE 7. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **RUFFED GROUSE** HUNTING IN VIRGINIA DURING THE 1993-94 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	12,950	0.257	1.26	46.3	47,228	4.89	9,658	36.4
1	(SE)	2,982	0.055	0.28	5.5	7,392	0.55	1,049	3.2
	N	2,473	82	82	82	2,472	82	2,472	225
	ESTIMATE	28,254	0.328	2.00	56.6	81,232	6.11	13,309	50.2
2	(SE)	6,572	0.069	0.46	4.7	11,829	0.69	1,223	3.3
	N	2,473	113	113	113	2,473	113	2,472	225
	ESTIMATE	353	0.111	0.23	7.7	3,179	2.08	1,531	5.8
3	(SE)	353	0.108	0.23	7.7	1,004	0.33	424	1.6
	N	2,473	13	13	13	2,473	13	2,472	225
	ESTIMATE	5,415	1.049	2.69	50.0	4,827	2.56	1,884	7.1
4	(SE)	2,523	0.398	1.19	12.9	1,581	0.56	470	1.7
	N	2,473	16	16	16	2,473	16	2,472	225
	ESTIMATE	0	0	0	0	236	2.00	118	0.4
5	(SE)	0	0	0	0	236	0	118	0.4
	N	2,473	1	1	1	2,473	1	2,472	225
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	51,800	0.314	1.60	47.7	146,512	5.12	28,619	9.8
STATEWIDE	(SE)	7,810	0.045	0.25	3.2	14,240	0.39	1,744	0.6
	N	2,473	243	243	243	2,472	243	2,472	2,472

TABLE 8. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **CROW** HUNTING IN VIRGINIA DURING THE 1993-94 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	17,188	1.030	8.18	88.2	15,893	7.94	2,001	13.0
1	(SE)	6,794	0.547	2.83	8.1	7,614	3.39	484	2.9
	N	2,473	17	17	17	2,473	17	2,473	131
	ESTIMATE	31,433	1.255	4.80	82.5	18,012	3.83	4,709	30.5
2	(SE)	7,773	0.301	0.93	6.1	4,920	0.87	739	4.0
	N	2,473	40	40	40	2,473	40	2,473	131
	ESTIMATE	5,251	1.835	20.18	95.5	28,490	11.00	2,590	16.8
3	(SE)	32,946	1.232	12.26	4.5	13,413	4.73	550	3.3
	N	2,473	22	22	22	2,473	22	2,473	131
	ESTIMATE	57,098	2.479	14.58	84.8	22,839	5.88	3,885	25.2
4	(SE)	20,303	0.979	4.65	6.3	6,388	1.31	672	3.8
	N	2,473	33	33	33	2,473	33	2,473	131
	ESTIMATE	35,907	2.098	15.79	94.7	16,835	7.53	2,237	14.5
5	(SE)	15,680	0.921	6.17	5.3	6,851	2.60	511	3.1
	N	2,473	19	19	19	2,473	19	2,473	131
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	201,549	1.444	11.03	84.7	129,500	7.64	16,953	5.8
STATEWIDE	(SE)	42,947	0.355	2.36	3.0	22,380	1.17	1,371	0.5
	N	2,473	144	144	144	2,473	144	2,473	2,473

TABLE 9. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **RABBIT** HUNTING IN VIRGINIA DURING THE 1993-94 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	68,690	1.079	6.16	68.1	63,219	5.71	11,066	14.9
1	(SE)	11,938	0.135	0.90	4.9	9,057	0.58	1,120	1.4
	N	2,471	92	92	92	2,473	94	2,473	630
	ESTIMATE	114,452	1.039	6.69	76.1	107,720	6.44	16,717	22.5
2	(SE)	14,762	0.091	0.70	3.6	13,122	0.59	1,362	1.7
	N	2,470	140	140	140	2,473	142	2,473	630
	ESTIMATE	59,971	1.004	4.38	66.1	57,592	4.37	13,185	17.8
3	(SE)	11,968	0.146	0.82	4.5	8,479	0.50	1,218	1.5
	N	2,471	110	110	110	2,472	112	2,473	630
	ESTIMATE	158,300	1.197	8.10	76.1	129,905	6.77	19,190	25.9
4	(SE)	31,489	0.173	1.54	3.4	17,496	0.76	1,453	1.7
	N	2,470	161	161	161	2,472	163	2,473	630
	ESTIMATE	141,387	1.321	9.74	87.4	103,364	7.38	14,010	18.9
5	(SE)	21,227	0.129	1.25	3.1	14,089	0.76	1,253	1.6
	N	2,471	117	117	117	2,473	119	2,473	630
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	608,359	1.144	7.14	75.5	504,633	6.24	80,473	27.6
STATEWIDE	(SE)	44,968	0.064	0.50	1.6	29,222	0.30	2,620	0.9
	N	2,467	683	683	683	2,471	686	2,471	2,471

TABLE 10. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **GRAY SQUIRREL** HUNTING IN VIRGINIA DURING THE 1993-94 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	205,364	1.385	9.05	87.0	141,626	6.54	21,662	20.8
1	(SE)	20,550	0.102	0.69	2.5	15,446	0.54	1,537	1.4
	N	2,471	182	182	182	2,473	184	2,473	884
	ESTIMATE	307,988	1.325	10.35	89.5	227,095	7.81	29,079	27.9
2	(SE)	26,858	0.101	0.67	2.0	21,702	0.58	1,756	1.5
	N	2,471	245	245	245	2,473	247	2,473	884
	ESTIMATE	161,888	1.685	8.08	85.0	83,031	4.80	17,306	16.6
3	(SE)	17,847	0.152	0.69	3.0	10,442	0.47	1,385	1.3
	N	2,471	145	145	145	2,472	147	2,473	884
	ESTIMATE	212,842	1.416	9.89	86.5	146,394	6.98	20,955	20.1
4	(SE)	25,218	0.165	0.97	2.6	19,322	0.77	1,513	1.3
	N	2,469	175	175	175	2,472	178	2,473	884
	ESTIMATE	159,885	1.580	10.01	85.9	95,477	6.34	15,069	14.5
5	(SE)	20,747	0.115	1.06	3.1	11,875	0.57	1,297	1.2
	N	2,471	126	126	126	2,473	128	2,473	884
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	1,178,246	1.412	9.43	86.9	769,969	6.68	114,877	39.5
STATEWIDE	(SE)	49,410	0.056	0.35	1.1	3,590	0.26	2,863	1.0
	N	2,467	975	975	975	2,471	979	2,471	2,471

TABLE 11. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **FOX SQUIRREL** HUNTING IN VIRGINIA DURING THE 1993-94 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	51,800	0.636	3.80	68.2	77,347	5.97	12,950	38.1
1	(SE)	7,728	0.099	0.48	4.5	11,671	0.71	1,207	2.9
	N	2,473	110	110	110	2,473	110	2,473	289
	ESTIMATE	69,694	0.495	3.92	79.3	135,386	7.93	17,070	50.2
2	(SE)	8,509	0.067	0.38	3.4	19,639	0.96	1,376	2.9
	N	2,473	145	145	145	2,473	145	2,473	289
	ESTIMATE	3,885	0.478	1.60	50.0	7,888	3.35	2,355	6.9
3	(SE)	1,492	0.199	0.54	11.5	2,269	0.63	524	1.5
	N	2,473	20	20	20	2,473	20	2,473	289
	ESTIMATE	2,708	0.480	1.50	50.0	2,943	3.13	942	2.8
4	(SE)	1,262	0.176	0.76	18.9	1,326	0.93	333	1.0
	N	2,473	8	8	8	2,473	8	2,473	289
	ESTIMATE	3,179	1.136	4.17	66.7	2,590	3.67	706	2.1
5	(SE)	2,392	0.719	3.19	21.1	1,331	1.26	288	0.8
	N	2,473	6	6	6	2,473	6	2,473	289
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	140,623	0.484	3.37	66.9	269,713	6.96	38,732	13.3
STATEWIDE	(SE)	11,961	0.050	0.25	2.6	26,506	0.58	1,989	0.7
	N	2,472	329	329	329	2,473	329	2,473	2,473

TABLE 12. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **GROUNDHOG/WOODCHUCK** HUNTING IN VA DURING THE '93-94 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	111,370	0.878	8.98	93.9	117,963	10.22	11,537	25.5
1	(SE)	17,561	0.099	1.16	2.4	18,072	1.20	1,142	2.2
	N	2,473	98	98	98	2,473	98	2,473	384
	ESTIMATE	195,780	1.116	12.38	95.3	167,240	11.09	15,069	33.3
2	(SE)	29,180	0.147	1.60	1.9	22,408	1.14	1,297	2.4
	N	2,473	128	128	128	2,472	128	2,473	384
	ESTIMATE	79,466	0.988	9.91	90.8	76,758	10.03	7,652	16.9
3	(SE)	15,860	0.177	1.66	3.6	17,302	1.91	937	1.9
	N	2,473	65	65	65	2,473	65	2,473	384
	ESTIMATE	66,072	0.680	8.32	88.5	87,824	12.23	7,181	15.9
4	(SE)	15,235	0.125	1.82	4.1	17,780	1.95	908	1.9
	N	2,472	60	60	60	2,473	61	2,473	384
	ESTIMATE	32,375	0.658	8.25	93.8	47,208	12.53	3,767	8.3
5	(SE)	8,085	0.147	1.59	4.3	15,412	3.50	662	1.4
	N	2,473	32	32	32	2,473	32	2,473	384
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	539,256	0.889	9.69	92.2	559,783	10.90	51,232	17.6
STATEWIDE	(SE)	41,347	0.063	0.67	1.3	42,840	0.69	2,230	0.8
	N	2,470	435	435	435	2,472	436	2,472	2,472

TABLE 13. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **ARCHERY DEER** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	5,180	0.036	0.34	25.2	134,444	9.60	14,010	18.9
1	(SE)	994	0.006	0.06	4.0	15,325	0.68	1,253	1.6
	N	2,473	119	119	119	2,473	119	2,473	631
	ESTIMATE	8,476	0.033	0.37	26.9	255,100	11.22	22,731	30.6
2	(SE)	1,268	0.005	0.05	3.2	25,811	0.83	1,571	1.8
	N	2,473	193	193	193	2,472	193	2,472	631
	ESTIMATE	4,591	0.041	0.34	18.9	109,339	8.36	13,078	17.6
3	(SE)	1,510	0.012	0.11	3.7	13,171	0.65	1,213	1.5
	N	2,473	111	111	111	2,471	111	2,471	631
	ESTIMATE	8,476	0.049	0.51	32.0	155,706	10.32	15,087	20.3
4	(SE)	1,657	0.009	0.09	4.1	17,644	0.76	1,299	1.6
	N	2,473	128	128	128	2,470	128	2,470	631
	ESTIMATE	5,769	0.053	0.56	33.8	99,206	10.53	9,426	12.7
5	(SE)	1,246	0.011	0.12	5.3	13,364	0.82	1,037	1.3
	N	2,473	80	80	80	2,471	80	2,471	631
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	35,789	0.039	0.41	26.9	812,591	10.39	78,188	26.9
STATEWIDE	(SE)	3,081	0.003	0.04	1.7	41,552	0.40	2,600	0.9
	N	2,473	662	662	662	2,465	662	2,465	2,465

TABLE 14. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF ARCHERY DEER (BUCK) HUNTING IN VA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	2,237	0.016	0.15	13.4	134,444	9.60	14,010	18.9
1	(SE)	563	0.004	0.04	3.1	15,325	0.68	1,253	1.6
	N	2,473	119	119	119	2,473	119	2,473	631
	ESTIMATE	3,767	0.014	0.16	15.5	255,100	11.22	22,731	30.6
2	(SE)	682	0.002	0.03	2.6	25,811	0.83	1,571	1.8
	N	2,473	193	193	193	2,472	193	2,472	631
	ESTIMATE	2,708	0.025	0.21	10.8	109,339	8.36	13,078	17.6
3	(SE)	1,367	0.012	0.10	3.0	13,171	0.65	1,213	1.5
	N	2,473	111	111	111	2,471	111	2,471	631
	ESTIMATE	4,120	0.025	0.26	19.5	155,706	10.32	15,087	20.3
4	(SE)	931	0.005	0.06	3.5	17,644	0.76	1,299	1.6
	N	2,473	128	128	128	2,470	128	2,470	631
	ESTIMATE	2,943	0.026	0.28	22.5	99,206	10.53	9,426	12.7
5	(SE)	674	0.006	0.06	4.7	13,364	0.82	1,037	1.3
	N	2,473	80	80	80	2,471	80	2,471	631
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	17,424	0.019	0.20	15.9	812,591	10.39	78,188	26.9
STATEWIDE	(SE)	2,030	0.002	0.02	1.4	41,552	0.40	2,600	0.9
	N	2,473	662	662	662	2,465	662	2,465	2,465

TABLE 15. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF ARCHERY DEER (DOE) HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	2,943	0.020	0.19	16.8	134,444	9.60	14,010	18.9
1	(SE)	653	0.004	0.04	3.4	15,325	0.68	1,253	1.6
	N	2,473	119	119	119	2,473	119	2,473	631
	ESTIMATE	4,709	0.018	0.21	16.6	255,100	11.22	22,731	30.6
2	(SE)	892	0.003	0.04	2.7	25,811	0.83	1,571	1.8
	N	2,473	193	193	193	2,472	193	2,472	631
	ESTIMATE	1,884	0.016	0.14	12.6	109,339	8.36	13,078	17.6
3	(SE)	498	0.004	0.04	3.2	13,171	0.65	1,213	1.5
	N	2,473	111	111	111	2,471	111	2,471	631
	ESTIMATE	4,356	0.024	0.25	19.5	155,706	10.32	15,087	20.3
4	(SE)	945	0.005	0.05	3.5	17,644	0.76	1,299	1.6
	N	2,473	128	128	128	2,470	128	2,470	631
	ESTIMATE	2,826	0.027	0.29	16.3	99,206	10.53	9,426	12.7
5	(SE)	831	0.007	0.08	4.2	13,364	0.82	1,037	1.3
	N	2,473	80	80	80	2,471	80	2,471	631
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	18,365	0.020	0.21	16.5	812,591	10.39	78,188	26.9
STATEWIDE	(SE)	1,802	0.002	0.02	1.4	41,552	0.40	2,600	0.9
	N	2,473	662	662	662	2,465	662	2,465	2,465

TABLE 16. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **MUZZLELOADER DEER** HUNTING IN VA DURING THE 1993-94 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	10,242	0.063	0.45	31.0	156,876	7.12	22,024	28.5
1	(SE)	1,508	0.008	0.06	3.4	13,912	0.39	1,549	1.8
	N	2,473	187	187	187	2,472	187	2,472	657
	ESTIMATE	9,889	0.055	0.39	30.3	179,371	6.99	25,675	33.2
2	(SE)	1,338	0.007	0.05	3.1	15,429	0.40	1,661	1.8
	N	2,473	218	218	218	2,472	218	2,472	657
	ESTIMATE	5,298	0.118	0.53	35.6	38,850	4.52	8,594	11.1
3	(SE)	1,155	0.024	0.11	5.6	5,401	0.35	991	1.2
	N	2,473	73	73	73	2,473	73	2,473	657
	ESTIMATE	8,830	0.087	0.55	39.1	95,121	6.30	15,087	19.5
4	(SE)	1,377	0.011	0.07	4.3	9,908	0.37	1,299	1.5
	N	2,473	128	128	128	2,470	128	2,470	657
	ESTIMATE	5,298	0.109	0.88	35.3	48,739	8.12	6,004	7.8
5	(SE)	1,632	0.034	0.25	6.8	11,817	1.63	832	1.0
	N	2,473	51	51	51	2,473	51	2,473	657
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	44,265	0.069	0.49	32.8	574,604	7.06	81,344	27.9
STATEWIDE	(SE)	3,278	0.005	0.03	1.8	28,981	0.27	2,631	0.9
	N	2,473	689	689	689	2,466	689	2,466	2,466

TABLE 17. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **MUZZLELOADER DEER (BUCK)** HUNTING IN VIRGINIA

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	7,299	0.046	0.33	24.6	156,876	7.12	22,024	28.5
1	(SE)	1,132	0.006	0.05	3.2	13,912	0.39	1,549	1.8
	N	2,473	187	187	187	2,472	187	2,472	657
	ESTIMATE	7,420	0.042	0.29	24.3	179,371	6.99	25,675	33.2
2	(SE)	1,063	0.005	0.04	2.9	15,429	0.40	1,661	1.8
	N	2,472	217	217	217	2,472	218	2,472	657
	ESTIMATE	3,649	0.082	0.37	28.8	38,850	4.52	8,594	11.1
3	(SE)	838	0.017	0.08	5.3	5,401	0.35	991	1.2
	N	2,473	73	73	73	2,473	73	2,473	657
	ESTIMATE	5,886	0.058	0.37	29.7	95,121	6.30	15,087	19.5
4	(SE)	992	0.008	0.06	4.1	9,908	0.37	1,299	1.5
	N	2,473	128	128	128	2,470	128	2,470	657
	ESTIMATE	2,943	0.060	0.49	29.4	48,739	8.12	6,004	7.8
5	(SE)	887	0.018	0.13	6.4	11,817	1.63	832	1.0
	N	2,473	51	51	51	2,473	51	2,473	657
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	30,268	0.048	0.34	26.3	574,604	7.06	81,344	27.9
STATEWIDE	(SE)	2,297	0.004	0.02	1.7	28,981	0.27	2,631	0.9
	N	2,472	688	688	688	2,466	689	2,466	2,466

TABLE 18. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **MUZZLELOADER DEER (DOE)** HUNTING IN VIRGINIA

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	2,944	0.017	0.12	10.2	156,876	7.12	22,024	28.5
1	(SE)	694	0.004	0.03	2.2	13,912	0.39	1,549	1.8
	N	2,472	186	186	186	2,472	187	2,472	657
	ESTIMATE	2,472	0.014	0.10	8.7	179,371	6.99	25,675	33.2
2	(SE)	587	0.003	0.02	1.9	15,429	0.40	1,661	1.8
	N	2,473	218	218	218	2,472	218	2,472	657
	ESTIMATE	1,648	0.036	0.16	15.1	38,850	4.52	8,594	11.1
3	(SE)	498	0.011	0.05	4.2	5,401	0.35	991	1.2
	N	2,473	73	73	73	2,473	73	2,473	657
	ESTIMATE	2,943	0.029	0.18	15.6	95,121	6.30	15,087	19.5
4	(SE)	674	0.006	0.04	3.2	9,908	0.37	1,299	1.5
	N	2,473	128	128	128	2,470	128	2,470	657
	ESTIMATE	2,354	0.048	0.39	13.7	48,739	8.12	6,004	7.8
5	(SE)	1,052	0.022	0.17	4.9	11,817	1.63	832	1.0
	N	2,473	51	51	51	2,473	51	2,473	657
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	14,015	0.021	0.15	11.6	574,604	7.06	81,344	27.9
STATEWIDE	(SE)	1,720	0.003	0.02	1.2	28,981	0.27	2,631	0.9
	N	2,472	688	688	688	2,466	689	2,466	2,466

TABLE 19. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **GUN DEER** HUNTING IN VIRGINIA DURING THE 1993-94 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	28,266	0.080	0.62	42.6	335,694	7.82	42,905	19.5
1	(SE)	2,410	0.006	0.05	2.6	19,703	0.26	2,077	0.9
	N	2,472	364	364	364	2,470	364	2,470	1,864
	ESTIMATE	31,799	0.077	0.57	37.0	371,926	7.32	50,787	23.1
2	(SE)	2,858	0.007	0.05	2.3	21,973	0.29	2,226	1.0
	N	2,472	430	430	430	2,465	430	2,465	1,864
	ESTIMATE	44,754	0.090	1.11	53.8	455,465	12.30	37,041	16.8
3	(SE)	3,838	0.006	0.08	2.8	31,491	0.55	1,953	0.9
	N	2,472	314	314	314	2,468	314	2,468	1,864
	ESTIMATE	52,174	0.079	0.93	51.7	578,379	11.82	48,917	22.2
4	(SE)	4,419	0.005	0.06	2.5	33,161	0.42	2,193	1.0
	N	2,472	414	414	414	2,464	414	2,464	1,864
	ESTIMATE	63,271	0.100	1.46	57.3	586,530	14.52	40,393	18.3
5	(SE)	5,977	0.008	0.12	2.7	37,256	0.57	2,027	0.9
	N	2,471	341	341	341	2,465	342	2,465	1,864
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	230,460	0.087	0.92	48.4	2,432,538	10.56	230,153	79.1
STATEWIDE	(SE)	8,353	0.003	0.03	1.1	51,967	0.20	2,395	0.8
	N	2,471	1,936	1,936	1,936	2,449	1,937	2,449	2,449

TABLE 20. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF GUN DEER (BUCK) HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	14,521	0.041	0.32	26.4	335,694	7.82	42,905	19.5
1	(SE)	1,498	0.004	0.03	2.3	19,703	0.26	2,077	0.9
	N	2,466	361	361	361	2,470	364	2,470	1,864
	ESTIMATE	19,936	0.048	0.35	27.9	371,926	7.32	50,787	23.1
2	(SE)	2,076	0.005	0.04	2.2	21,973	0.29	2,226	1.0
	N	2,468	429	429	429	2,465	430	2,465	1,864
	ESTIMATE	24,183	0.048	0.59	39.2	455,465	12.30	37,041	16.8
3	(SE)	2,348	0.004	0.05	2.8	31,491	0.55	1,953	0.9
	N	2,468	313	313	313	2,468	314	2,468	1,864
	ESTIMATE	28,819	0.044	0.52	38.6	578,379	11.82	48,917	22.2
4	(SE)	2,483	0.003	0.04	2.4	33,161	0.42	2,193	1.0
	N	2,465	410	410	410	2,464	414	2,464	1,864
	ESTIMATE	33,765	0.053	0.78	44.7	586,530	14.52	40,393	18.3
5	(SE)	3,045	0.004	0.06	2.7	37,256	0.57	2,027	0.9
	N	2,466	339	339	339	2,465	342	2,465	1,864
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	128,764	0.048	0.51	35.7	2,432,538	10.56	230,153	79.1
STATEWIDE	(SE)	4,902	0.002	0.02	1.1	51,967	0.20	2,395	0.8
	N	2,460	1,928	1,928	1,928	2,449	1,937	2,449	2,449

TABLE 21. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **GUN DEER (DOE)** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	13,802	0.039	0.31	24.5	335,694	7.82	42,905	19.5
1	(SE)	1,518	0.004	0.03	2.3	19,703	0.26	2,077	0.9
	N	2,468	364	361	364	2,470	364	2,470	1,864
	ESTIMATE	11,910	0.029	0.21	17.4	371,926	7.32	50,787	23.1
2	(SE)	1,370	0.003	0.02	1.8	21,973	0.29	2,226	1.0
	N	2,469	430	429	430	2,465	430	2,465	1,864
	ESTIMATE	20,636	0.043	0.53	35.4	455,465	12.30	37,041	16.8
3	(SE)	2,131	0.004	0.05	2.7	31,491	0.55	1,953	0.9
	N	2,469	314	312	314	2,468	314	2,468	1,864
	ESTIMATE	23,447	0.035	0.42	30.7	578,379	11.82	48,917	22.2
4	(SE)	2,441	0.003	0.04	2.3	33,161	0.42	2,193	1.0
	N	2,471	414	414	414	2,464	414	2,464	1,864
	ESTIMATE	29,585	0.047	0.69	38.9	586,530	14.52	40,393	18.3
5	(SE)	3,682	0.006	0.08	2.6	37,256	0.57	2,027	0.9
	N	2,470	342	341	342	2,465	342	2,465	1,864
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	102,644	0.039	0.41	28.7	2,432,538	10.56	230,153	79.1
STATEWIDE	(SE)	5,051	0.002	0.02	1.0	51,967	0.20	2,395	0.8
	N	2,462	1,929	1,929	1,929	2,449	1,937	2,449	2,449

TABLE 22. EXPANDED STATEWIDE SUMMARY OF **TOTAL DEER** HUNTING IN VIRGINIA DURING THE 1993-94 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	310,329	0.076	1.21	54.2	3,796,476	15.85	239,512	82.3
STATEWIDE	(SE)	10,615	0.002	0.04	1.1	87,964	0.34	2,238	0.8
	N	2,473	2,032	2,032	2,032	2,470	2,032	2,470	2,470

TABLE 23. EXPANDED STATEWIDE SUMMARY OF **TOTAL DEER (BUCKS)** HUNTING IN VIRGINIA DURING THE 1993-94 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	175,766	0.043	0.69	41.7	3,796,476	15.85	239,512	82.3
STATEWIDE	(SE)	6,244	0.001	0.02	1.1	87,964	0.34	2,238	0.8
	N	2,473	2,032	2,032	2,032	2,470	2,032	2,470	2,470

TABLE 24. EXPANDED STATEWIDE SUMMARY OF **TOTAL DEER (DOES)** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENSEES
	ESTIMATE	134,562	0.033	0.53	33.2	3,796,476	15.85	239,512	82.3
STATEWIDE	(SE)	6,267	0.002	0.02	1.0	87,964	0.34	2,238	0.8
	N	2,473	2,032	2,032	2,032	2,470	2,032	2,470	2,470

TABLE 25. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **SPRING TURKEY (1993)** HUNTING IN VIRGINIA

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	2,181	0.037	0.24	22.1	52,453	6.37	8,237	20.4
1	(SE)	540	0.008	0.06	5.1	7,941	0.60	985	2.2
	N	2,473	68	68	68	2,473	68	2,473	334
	ESTIMATE	3,998	0.048	0.28	21.2	61,104	5.93	10,297	25.4
2	(SE)	844	0.010	0.06	4.5	8,114	0.47	1,098	2.4
	N	2,473	85	85	85	2,471	85	2,473	334
	ESTIMATE	2,181	0.050	0.32	24.0	38,401	6.34	6,057	15.0
3	(SE)	616	0.013	0.09	6.1	7,276	0.82	848	2.0
	N	2,473	50	50	50	2,473	50	2,473	334
	ESTIMATE	3,150	0.036	0.30	23.3	73,047	8.26	8,843	21.9
4	(SE)	744	0.010	0.07	5.0	14,860	1.39	1,020	2.3
	N	2,473	73	73	73	2,473	73	2,473	334
	ESTIMATE	2,545	0.051	0.28	22.4	38,764	5.52	7,026	17.4
5	(SE)	651	0.014	0.07	5.6	6,768	0.65	912	2.1
	N	2,472	57	57	57	2,473	58	2,473	334
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	15,512	0.038	0.26	21.1	301,625	6.99	43,005	14.8
STATEWIDE	(SE)	1,596	0.005	0.03	2.1	25,627	0.49	2,079	0.7
	N	2,472	365	365	365	2,471	366	2,471	2,471

TABLE 26. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **FALL TURKEY (1993)** HUNTING IN VIRGINIA

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	4,238	0.023	0.20	16.9	155,400	8.57	18,130	21.8
1	(SE)	811	0.004	0.04	3.0	16,295	0.60	1,415	1.6
	N	2,473	154	154	154	2,473	154	2,473	706
	ESTIMATE	7,184	0.027	0.24	20.5	230,367	9.10	25,311	30.5
2	(SE)	1,151	0.004	0.03	2.8	23,362	0.71	1,650	1.7
	N	2,472	215	215	215	2,472	215	2,473	706
	ESTIMATE	3,061	0.024	0.21	17.9	117,374	8.90	13,185	15.9
3	(SE)	704	0.006	0.05	3.6	17,585	1.05	1,218	1.4
	N	2,473	112	112	112	2,473	112	2,473	706
	ESTIMATE	5,771	0.030	0.25	23.1	151,986	8.28	18,365	22.1
4	(SE)	897	0.006	0.04	3.4	19,117	0.82	1,424	1.6
	N	2,472	155	155	155	2,473	156	2,473	706
	ESTIMATE	2,943	0.065	0.35	26.1	43,559	5.36	8,123	9.8
5	(SE)	770	0.017	0.08	5.3	7,036	0.59	964	1.1
	N	2,473	69	69	69	2,473	69	2,473	706
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	27,099	0.027	0.21	18.2	840,440	7.94	105,762	36.3
STATEWIDE	(SE)	2,057	0.002	0.02	1.3	38,742	0.30	2,817	1.0
	N	2,471	898	898	898	2,472	899	2,472	2,472

TABLE 27. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **SPRING TURKEY (1994)** HUNTING IN VIRGINIA

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	1,648	0.034	0.17	13.4	48,975	5.07	9,654	17.7
1	(SE)	526	0.009	0.05	3.8	7,242	0.51	1,048	1.8
	N	2,473	82	82	82	2,473	82	2,473	464
	ESTIMATE	3,296	0.031	0.19	17.1	91,312	6.01	15,187	27.8
2	(SE)	683	0.006	0.04	3.3	11,493	0.56	1,302	2.1
	N	2,473	129	129	129	2,471	129	2,473	464
	ESTIMATE	2,590	0.043	0.25	22.2	49,328	5.82	8,476	15.5
3	(SE)	598	0.009	0.06	4.9	8,478	0.74	984	1.7
	N	2,473	72	72	72	2,473	72	2,473	464
	ESTIMATE	4,944	0.055	0.36	28.2	85,740	6.62	12,950	23.7
4	(SE)	922	0.009	0.06	4.3	11,386	0.63	1,207	2.0
	N	2,473	110	110	110	2,472	110	2,473	464
	ESTIMATE	2,944	0.055	0.31	28.2	48,150	5.76	8,359	15.3
5	(SE)	631	0.013	0.06	5.4	7,687	0.63	978	1.7
	N	2,472	70	70	70	2,473	71	2,473	464
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	16,842	0.039	0.24	20.3	361,979	6.11	59,171	20.3
STATEWIDE	(SE)	1,601	0.004	0.02	1.8	25,485	0.35	2,358	0.8
	N	2,472	502	502	502	2,470	503	2,470	2,470

TABLE 28. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **BEAR** HUNTING IN VIRGINIA DURING THE 1993-94 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	353	0.006	0.04	4.2	59,123	7.07	8,362	48.3
1	(SE)	204	0.004	0.02	2.4	10,014	0.87	978	4.1
	N	2,473	71	71	71	2,472	71	2,472	147
	ESTIMATE	236	0.008	0.05	5.3	30,975	6.92	4,475	25.9
2	(SE)	167	0.005	0.04	3.7	6,936	1.09	721	3.6
	N	2,473	38	38	38	2,472	38	2,472	147
	ESTIMATE	0	0	0	0	10,831	4.84	2,238	12.9
3	(SE)	0	0	0	0	3,736	1.28	511	2.8
	N	2,473	19	19	19	2,473	19	2,472	147
	ESTIMATE	0	0	0	0	12,008	6.38	1,884	10.9
4	(SE)	0	0	0	0	4,789	2.05	470	2.6
	N	2,473	16	16	16	2,473	16	2,472	147
	ESTIMATE	0	0	0	0	1,884	5.33	353	2.0
5	(SE)	0	0	0	0	1,117	0.88	204	1.2
	N	2,473	3	3	3	2,473	3	2,472	147
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	824	0.005	0.04	4.1	151,227	7.59	19,920	6.8
STATEWIDE	(SE)	311	0.002	0.02	1.5	20,749	0.88	1,479	0.5
	N	2,473	169	169	169	2,470	169	2,470	2,470

TABLE 29. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **TOTAL DUCK** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	6,122	1.182	8.67	100	5,180	7.33	706	4.6
1	(SE)	4,244	0.364	5.32	0	2,789	2.82	288	1.8
	N	2,473	6	6	6	2,473	6	2,473	131
	ESTIMATE	6,593	2.000	6.50	100	3,061	3.25	942	6.1
2	(SE)	3,040	0.507	2.37	0	1,188	0.56	333	2.1
	N	2,473	8	8	8	2,473	8	2,473	131
	ESTIMATE	32,846	1.070	8.30	84.8	30,138	7.76	3,885	25.2
3	(SE)	7,281	0.211	1.21	6.3	7,139	1.27	672	3.8
	N	2,473	33	33	33	2,473	33	2,473	131
	ESTIMATE	18,718	1.660	10.40	80.0	11,066	6.27	1,766	11.5
4	(SE)	6,873	0.192	2.92	10.7	3,784	1.46	455	2.8
	N	2,473	15	15	15	2,473	15	2,473	131
	ESTIMATE	140,566	2.007	16.32	85.5	66,072	8.13	8,126	52.7
5	(SE)	47,175	0.607	5.49	4.3	11,077	0.97	965	4.4
	N	2,473	69	69	69	2,472	69	2,472	131
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	207,906	1.519	11.94	83.6	129,605	7.86	16,482	5.7
STATEWIDE	(SE)	48,445	0.345	2.77	3.1	17,531	0.85	1,354	0.5
	N	2,473	140	140	140	2,471	140	2,471	2,471

TABLE 30. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **MALLARD DUCK** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	3,649	0.705	5.17	66.7	5,180	7.33	706	4.6
1	(SE)	2,971	0.324	3.99	21.1	2,789	2.82	288	1.8
	N	2,473	6	6	6	2,473	6	2,473	131
	ESTIMATE	2,590	0.731	2.38	87.5	3,061	3.25	942	6.1
2	(SE)	1,176	0.220	0.91	12.5	1,188	0.56	333	2.1
	N	2,473	8	8	8	2,473	8	2,473	131
	ESTIMATE	12,479	0.402	3.12	66.7	30,138	7.76	3,885	25.2
3	(SE)	3,321	0.101	0.67	8.3	7,139	1.27	672	3.8
	N	2,473	33	33	33	2,473	33	2,473	131
	ESTIMATE	6,946	0.628	3.93	40.0	11,066	6.27	1,766	11.5
4	(SE)	3,734	0.226	1.92	13.1	3,784	1.46	455	2.8
	N	2,473	15	15	15	2,473	15	2,473	131
	ESTIMATE	46,031	0.658	5.35	62.3	66,072	8.13	8,126	52.7
5	(SE)	16,576	0.220	1.94	5.9	11,077	0.97	965	4.4
	N	2,473	69	69	69	2,472	69	2,472	131
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	72,049	0.531	4.17	60.0	129,605	7.86	16,482	5.7
STATEWIDE	(SE)	17,575	0.127	1.01	4.2	17,531	0.85	1,354	0.5
	N	2,473	140	140	140	2,471	140	2,471	2,471

TABLE 31. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **WOOD DUCK** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	2,354	0.455	3.33	83.3	5,180	7.33	706	4.6
1	(SE)	1,402	0.125	1.58	16.7	2,789	2.82	288	1.8
	N	2,473	6	6	6	2,473	6	2,473	131
	ESTIMATE	2,354	0.769	2.50	75.0	3,061	3.25	942	6.1
2	(SE)	1,393	0.331	1.27	16.4	1,188	0.56	333	2.1
	N	2,473	8	8	8	2,473	8	2,473	131
	ESTIMATE	12,715	0.414	3.21	66.7	30,138	7.76	3,885	25.2
3	(SE)	3,100	0.093	0.58	8.3	7,139	1.27	672	3.8
	N	2,473	33	33	33	2,473	33	2,473	131
	ESTIMATE	9,300	0.809	5.07	73.3	11,066	6.27	1,766	11.5
4	(SE)	2,952	0.133	1.06	11.8	3,784	1.46	455	2.8
	N	2,473	15	15	15	2,473	15	2,473	131
	ESTIMATE	29,079	0.408	3.32	50.7	66,072	8.13	8,126	52.7
5	(SE)	6,744	0.083	0.71	6.1	11,077	0.97	965	4.4
	N	2,473	69	69	69	2,472	69	2,472	131
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	57,686	0.411	3.23	57.1	129,605	7.86	16,482	5.7
STATEWIDE	(SE)	8,300	0.061	0.41	4.2	17,531	0.85	1,354	0.5
	N	2,473	140	140	140	2,471	140	2,471	2,471

TABLE 32. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **BLACK DUCK** HUNTING IN VIRGINIA DURING THE 1993-94 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	118	0.023	0.17	16.7	5,180	7.33	706	4.6
1	(SE)	118	0.025	0.17	16.7	2,789	2.82	288	1.8
	N	2,473	6	6	6	2,473	6	2,473	131
	ESTIMATE	353	0.077	0.25	12.5	3,061	3.25	942	6.1
2	(SE)	263	0.072	0.25	12.5	1,188	0.56	333	2.1
	N	2,473	8	8	8	2,473	8	2,473	131
	ESTIMATE	3,532	0.117	0.91	27.3	30,138	7.76	3,885	25.2
3	(SE)	1,506	0.048	0.36	7.9	7,139	1.27	672	3.8
	N	2,473	33	33	33	2,473	33	2,473	131
	ESTIMATE	824	0.074	0.47	20.0	11,066	6.27	1,766	11.5
4	(SE)	539	0.038	0.29	10.7	3,784	1.46	455	2.8
	N	2,473	15	15	15	2,473	15	2,473	131
	ESTIMATE	26,489	0.394	3.20	36.2	66,072	8.13	8,126	52.7
5	(SE)	14,125	0.197	1.71	5.8	11,077	0.97	965	4.4
	N	2,473	69	69	69	2,472	69	2,472	131
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	31,315	0.237	1.86	27.9	129,605	7.86	16,482	5.7
STATEWIDE	(SE)	14,215	0.106	0.85	3.8	17,531	0.85	1,354	0.5
	N	2,473	140	140	140	2,471	140	2,471	2,471

TABLE 33. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **ALL OTHER DUCKS** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	0	0	0	0	5,180	7.33	706	4.6
1	(SE)	0	0	0	0	2,789	2.82	288	1.8
	N	2,473	6	6	6	2,473	6	2,473	131
	ESTIMATE	1,295	0.423	1.38	37.5	3,061	3.25	942	6.1
2	(SE)	824	0.209	0.78	18.3	1,188	0.56	333	2.1
	N	2,473	8	8	8	2,473	8	2,473	131
	ESTIMATE	4,120	0.137	1.06	24.2	30,138	7.76	3,885	25.2
3	(SE)	1,492	0.049	0.34	7.6	7,139	1.27	672	3.8
	N	2,473	33	33	33	2,473	33	2,473	131
	ESTIMATE	1,648	0.149	0.93	26.7	11,066	6.27	1,766	11.5
4	(SE)	896	0.055	0.46	11.8	3,784	1.46	455	2.8
	N	2,473	15	15	15	2,473	15	2,473	131
	ESTIMATE	38,968	0.547	4.45	40.6	66,072	8.13	8,126	52.7
5	(SE)	14,891	0.197	1.77	6.0	11,077	0.97	965	4.4
	N	2,473	69	69	69	2,472	69	2,472	131
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	46,855	0.340	2.67	31.4	129,605	7.86	16,482	5.7
STATEWIDE	(SE)	15,107	0.110	0.89	3.9	17,531	0.85	1,354	0.5
	N	2,473	140	140	140	2,471	140	2,471	2,471

TABLE 34. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF GEESE: SEPT. HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	0	0	0	0	353	3.00	118	5.9
1	(SE)	0	0	0	0	353	0	118	5.9
	N	2,473	1	1	1	2,473	1	2,473	17
	ESTIMATE	0	0	0	0	0	0	0	0
2	(SE)	0	0	0	0	0	0	0	0
	N	2,473	0	0	0	2,473	0	2,473	17
	ESTIMATE	1,177	0.667	1.11	44.4	1,766	1.67	1,060	52.9
3	(SE)	600	0.285	0.45	17.6	633	0.24	353	12.5
	N	2,473	9	9	9	2,473	9	2,473	17
	ESTIMATE	118	0	0	0	707	3.00	235	11.8
4	(SE)	118	0	0	0	601	2.00	166	8.1
	N	2,473	2	2	2	2,472	2	2,473	17
	ESTIMATE	589	0.714	1.00	20.0	824	1.40	589	29.4
5	(SE)	589	0.645	1.00	20.0	390	0.24	263	11.4
	N	2,473	5	5	5	2,473	5	2,473	17
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	5,415	0.231	0.56	18.5	7,655	2.41	3,180	1.1
STATEWIDE	(SE)	3,519	0.112	0.25	7.6	1,807	0.34	815	0.3
	N	2,473	27	27	27	2,472	27	2,472	2,472

TABLE 35. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **GEESE: NOV. - JAN.** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	1,766	0.577	2.14	42.9	3,061	3.71	824	9.7
1	(SE)	1,059	0.287	1.08	20.2	1,441	1.13	311	3.5
	N	2,473	7	7	7	2,473	7	2,473	72
	ESTIMATE	942	1.000	2.67	66.7	942	2.67	353	4.2
2	(SE)	744	0.459	1.76	33.3	552	0.33	204	2.4
	N	2,473	3	3	3	2,473	3	2,473	72
	ESTIMATE	8,594	0.605	2.40	70.0	14,010	3.97	3,532	41.7
3	(SE)	2,148	0.101	0.43	8.5	3,202	0.56	641	5.9
	N	2,473	30	30	30	2,473	30	2,473	72
	ESTIMATE	2,237	0.760	3.17	66.7	2,943	4.17	706	8.3
4	(SE)	1,251	0.238	1.33	21.1	1,455	1.28	288	3.3
	N	2,473	6	6	6	2,473	6	2,473	72
	ESTIMATE	12,126	0.699	3.85	69.2	16,842	5.50	3,061	36.1
5	(SE)	4,197	0.233	1.16	9.2	4,603	1.07	597	5.7
	N	2,473	26	26	26	2,472	26	2,473	72
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	24,840	0.596	2.66	61.8	39,926	4.46	8,951	3.1
STATEWIDE	(SE)	4,924	0.104	0.46	5.6	6,092	0.46	1,011	0.3
	N	2,473	76	76	76	2,472	76	2,472	2,472

TABLE 36. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **RED FOX** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	3,532	0.239	1.08	44.0	13,303	4.52	2,943	32.5
1	(SE)	1,440	0.089	0.44	10.1	3,322	0.70	586	5.4
	N	2,473	25	25	25	2,473	25	2,473	77
	ESTIMATE	942	0.103	0.53	46.7	9,183	5.20	1,766	19.5
2	(SE)	372	0.044	0.17	13.3	3,279	1.33	455	4.5
	N	2,473	15	15	15	2,473	15	2,473	77
	ESTIMATE	1,648	0.064	0.77	46.2	18,483	12.08	1,530	16.9
3	(SE)	599	0.037	0.28	14.4	7,914	4.11	423	4.3
	N	2,473	13	13	13	2,473	13	2,473	77
	ESTIMATE	2,590	0.206	1.00	69.2	7,420	4.85	1,530	16.9
4	(SE)	831	0.060	0.36	13.3	3,924	2.27	423	4.3
	N	2,473	13	13	13	2,472	13	2,473	77
	ESTIMATE	1,295	0.407	1.00	81.8	3,179	2.45	1,295	14.3
5	(SE)	455	0.180	0.19	12.2	1,377	0.80	390	4.0
	N	2,473	11	11	11	2,473	11	2,473	77
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	11,890	0.157	0.87	53.7	53,116	5.50	9,658	3.3
STATEWIDE	(SE)	1,916	0.036	0.16	5.5	10,077	0.86	1,049	0.4
	N	2,473	82	82	82	2,472	82	2,472	2,472

TABLE 37. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **GRAY FOX** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	2,826	0.313	1.54	46.2	7,534	4.92	1,530	23.6
1	(SE)	1,164	0.115	0.61	14.4	2,368	0.16	423	5.8
	N	2,473	13	13	13	2,473	13	2,473	55
	ESTIMATE	706	0.071	0.42	25.0	8,241	5.83	1,413	21.8
2	(SE)	408	0.045	0.26	13.1	3,216	1.60	407	5.6
	N	2,473	12	12	12	2,473	12	2,473	55
	ESTIMATE	1,295	0.103	0.78	44.4	8,005	7.56	1,060	16.4
3	(SE)	588	0.080	0.36	17.6	5,213	4.48	353	5.0
	N	2,473	9	9	9	2,473	9	2,473	55
	ESTIMATE	3,532	0.318	2.10	50.0	7,776	6.60	1,177	18.2
4	(SE)	1,655	0.155	1.21	16.7	4,052	2.88	372	5.2
	N	2,473	10	10	10	2,471	10	2,473	55
	ESTIMATE	3,414	0.400	2.00	81.8	6,475	5.00	1,295	20.0
5	(SE)	1,538	0.119	1.02	12.2	2,893	1.73	390	5.4
	N	2,473	11	11	11	2,473	11	2,473	55
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	13,421	0.219	1.19	42.9	40,413	5.44	7,423	2.5
STATEWIDE	(SE)	2,697	0.054	0.30	6.3	8,269	0.89	923	0.3
	N	2,473	63	63	63	2,471	63	2,471	2,471

TABLE 38. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF COYOTE HUNTING IN VIRGINIA DURING THE 1993-94 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	236	0.026	0.33	33.3	9,065	12.83	706	40.0
1	(SE)	167	0.030	0.21	21.1	7,179	9.54	288	13.1
	N	2,473	6	6	6	2,473	6	2,473	15
	ESTIMATE	589	0.125	0.56	33.3	4,709	4.44	1,060	60.0
2	(SE)	390	0.087	0.34	16.7	1,940	1.14	353	13.1
	N	2,473	9	9	9	2,473	9	2,473	15
	ESTIMATE	0	0	0	0	0	0	0	0
3	(SE)	0	0	0	0	0	0	0	0
	N	2,473	0	0	0	2,473	0	2,473	15
	ESTIMATE	0	0	0	0	0	0	0	0
4	(SE)	0	0	0	0	0	0	0	0
	N	2,473	0	0	0	2,473	0	2,473	15
	ESTIMATE	0	0	0	0	0	0	0	0
5	(SE)	0	0	0	0	0	0	0	0
	N	2,473	0	0	0	2,473	0	2,473	15
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	1,295	0.060	0.47	33.3	13,780	7.80	1,767	0.6
STATEWIDE	(SE)	634	0.044	0.22	12.6	7,437	3.83	455	0.2
	N	2,473	15	15	15	2,472	15	2,472	2,472

TABLE 39. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **RACCOON** HUNTING IN VIRGINIA DURING THE 1993-94 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	14,245	0.253	6.00	77.8	50,270	23.72	2,119	16.5
	(SE)	4,750	0.056	1.68	10.1	17,964	6.57	498	3.6
	N	2,473	18	18	18	2,473	18	2,473	109
2	ESTIMATE	42,634	0.291	7.91	75.0	140,741	27.16	5,180	40.4
	(SE)	10,415	0.061	1.67	6.7	28,686	3.81	774	4.7
	N	2,472	43	43	43	2,472	44	2,473	109
3	ESTIMATE	15,775	0.370	6.46	92.3	26,724	17.46	1,530	11.9
	(SE)	7,386	0.171	2.40	7.7	14,139	8.19	423	3.1
	N	2,473	13	13	13	2,473	13	2,473	109
4	ESTIMATE	36,731	0.556	14.86	95.2	66,045	26.71	2,472	19.3
	(SE)	13,793	0.115	4.66	4.8	28,330	10.12	537	3.8
	N	2,473	21	21	21	2,473	21	2,473	109
5	ESTIMATE	18,248	0.498	9.62	92.3	29,549	19.31	1,530	11.9
	(SE)	7,783	0.124	3.82	7.7	14,812	8.40	423	3.1
	N	2,473	13	13	13	2,473	13	2,473	109
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	177,087	0.380	9.32	85.5	361,361	24.54	14,610	5.0
	(SE)	27,697	0.039	1.19	3.2	51,442	2.77	1,279	0.4
	N	2,471	124	124	124	2,471	125	2,471	2,471

TABLE 40. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **BOBCAT** HUNTING IN VIRGINIA DURING THE 1993-94 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	471	0.074	0.33	33.3	6,357	4.50	1,413	32.4
	(SE)	235	0.034	0.14	14.2	2,049	0.68	407	7.8
	N	2,473	12	12	12	2,473	12	2,473	37
2	ESTIMATE	1,413	0.174	1.00	33.3	8,123	5.75	1,413	32.4
	(SE)	1,079	0.136	0.74	14.2	2,863	1.22	407	7.8
	N	2,473	12	12	12	2,473	12	2,473	37
3	ESTIMATE	0	0	0	0	471	2.00	235	5.4
	(SE)	0	0	0	0	372	1.00	166	3.8
	N	2,473	2	2	2	2,473	2	2,473	37
4	ESTIMATE	353	0	0	0	4,003	3.78	1,060	24.3
	(SE)	263	0	0	0	1,745	1.13	353	7.2
	N	2,473	9	9	9	2,473	9	2,473	37
5	ESTIMATE	0	0	0	0	471	2.00	235	5.4
	(SE)	0	0	0	0	372	1.00	166	3.8
	N	2,473	2	2	2	2,473	2	2,473	37
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	2,944	0.090	0.40	21.4	22,133	4.48	4,945	1.7
	(SE)	1,182	0.050	0.22	6.4	4,255	0.53	757	0.3
	N	2,472	42	42	42	2,473	42	2,473	2,473

TABLE 41. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **TOTAL DOVE** HUNTING IN VIRGINIA DURING THE 1993-94 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	160,933	3.818	23.67	98	40,145	6.20	6,475	2.2
	(SE)	27,402	0.685	2.77	2	6,926	0.68	863	0.3
	N	2,473	55	55	55	2,473	55	2,473	2,473
2	ESTIMATE	86,294	2.631	16.20	91	31,904	6.16	5,180	1.8
	(SE)	20,020	0.635	3.03	4	8,129	1.29	774	0.3
	N	2,473	44	44	44	2,473	44	2,473	2,473
3	ESTIMATE	205,198	4.933	19.67	83.7	40,380	3.99	10,125	3.5
	(SE)	32,789	0.820	2.48	4.0	6,203	0.45	1,073	0.4
	N	2,473	86	86	86	2,473	86	2,473	2,473
4	ESTIMATE	243,931	4.418	19.90	90.1	53,566	4.50	11,890	4.1
	(SE)	35,150	0.662	2.22	3.0	7,872	0.50	1,159	0.4
	N	2,473	101	101	101	2,473	101	2,473	2,473
5	ESTIMATE	440,417	4.926	24.70	94.0	87,942	5.01	17,541	6.0
	(SE)	55,173	0.636	2.46	2.0	10,435	0.44	1,393	0.5
	N	2,473	149	149	149	2,473	149	2,473	2,473
									PERCENT OF TOTAL LICENSEES
STATEWIDE	ESTIMATE	1,172,444	4.137	20.87	89.4	275,599	5.05	54,625	18.8
	(SE)	78,797	0.235	1.15	1.4	18,443	0.26	2,286	0.8
	N	2,473	464	464	464	2,473	464	2,473	2,473

TABLE 42. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **DOVE: OPENING DAY** HUNTING IN VIRGINIA DURING THE 1993-94 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	33,552	6.229	6.23	94.3	4,132	1.00	4,132	12.5
1	(SE)	6,032	0.561	0.56	4.0	693	0	694	2.0
	N	2,473	35	35	35	2,466	35	2,466	281
	ESTIMATE	19,425	6.091	6.09	95.5	2,597	1.00	2,597	7.8
2	(SE)	4,140	0.741	0.74	4.5	551	0	551	1.6
	N	2,473	22	22	22	2,466	22	2,466	281
	ESTIMATE	56,391	6.917	6.92	86.7	7,087	1.00	7,084	21.4
3	(SE)	7,798	0.535	0.53	4.4	904	0	903	2.4
	N	2,473	60	60	60	2,465	60	2,466	281
	ESTIMATE	68,282	7.232	7.23	88.4	8,156	1.00	8,146	24.6
4	(SE)	10,230	0.840	0.84	3.9	968	0	967	2.6
	N	2,473	69	69	69	2,463	69	2,466	281
	ESTIMATE	104,071	8.411	8.41	94.7	11,234	1.00	11,216	33.8
5	(SE)	11,583	0.527	0.53	2.3	1,130	0	1,129	2.8
	N	2,473	95	95	95	2,462	95	2,466	281
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	289,020	7.361	7.36	91.7	34,463	1	33,905	11.6
STATEWIDE	(SE)	18,287	0.485	0.30	1.6	1,907	0	1,894	0.7
	N	2,473	288	288	288	2,433	288	2,433	2,433

TABLE 43. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **DOVE: 1ST SEG.** HUNTING IN VIRGINIA DURING THE 1993-94 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	99,244	3.794	16.92	97.9	25,194	4.46	5,651	14.2
1	(SE)	17,388	0.447	1.85	2.1	4,739	0.55	808	1.9
	N	2,473	48	48	48	2,473	48	2,473	339
	ESTIMATE	45,207	0.273	12.13	90.0	15,775	44.47	3,532	8.8
2	(SE)	11,880	0.047	2.54	5.6	4,029	0.82	641	1.5
	N	2,473	30	30	30	2,473	30	2,473	339
	ESTIMATE	113,607	4.421	15.02	71.4	25,194	3.40	7,417	18.6
3	(SE)	19,469	0.614	1.85	5.7	4,405	0.42	923	2.1
	N	2,473	63	63	63	2,473	63	2,473	339
	ESTIMATE	137,976	4.234	15.39	86.5	31,669	3.64	8,712	21.8
4	(SE)	21,396	0.450	1.70	4.0	4,617	0.33	998	2.2
	N	2,473	74	74	74	2,473	74	2,473	339
	ESTIMATE	248,976	4.159	17.11	87.9	60,041	4.11	14,598	36.6
5	(SE)	32,610	0.493	1.68	3.0	8,191	0.43	1,278	2.6
	N	2,472	123	123	123	2,473	124	2,473	339
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	666,236	3.948	15.72	85.8	165,053	3.98	41,322	14.2
STATEWIDE	(SE)	47,701	0.238	0.85	1.9	12,122	0.22	2,044	0.7
	N	2,469	351	351	351	2,473	352	2,473	2,473

TABLE 44. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **DOVE: 2ND SEG.** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	26,018	3.113	11.63	78.9	8,359	3.74	2,237	17.3
1	(SE)	9,220	0.636	3.24	9.6	2,268	0.56	511	3.6
	N	2,473	19	19	19	2,473	19	2,473	110
	ESTIMATE	14,951	1.416	9.69	69.2	10,478	6.85	1,530	11.8
2	(SE)	5,483	0.390	2.47	13.3	4,014	1.89	423	3.1
	N	2,473	13	13	13	2,473	13	2,473	110
	ESTIMATE	29,079	4.574	15.44	68.8	6,357	3.38	1,884	14.5
3	(SE)	10,473	0.997	4.14	12.0	1,857	0.53	469	3.4
	N	2,473	16	16	16	2,473	16	2,473	110
	ESTIMATE	30,844	2.875	9.37	70.4	10,360	3.26	3,179	24.5
4	(SE)	10,854	0.801	2.95	9.0	2,976	0.71	609	4.1
	N	2,473	27	27	27	2,473	27	2,473	110
	ESTIMATE	60,325	5.118	15.06	74.3	12,126	2.94	4,120	31.8
5	(SE)	17,958	0.899	3.86	7.7	2,682	0.43	692	4.5
	N	2,471	33	33	33	2,473	35	2,473	110
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	166,668	2.774	11.23	67.8	58,628	4.05	14,245	4.9
STATEWIDE	(SE)	25,917	0.374	1.50	4.3	7,300	0.36	1,263	0.4
	N	2,470	121	121	121	2,473	123	2,473	2,473

TABLE 45. EXPANDED STATEWIDE AND REGIONAL SUMMARIES OF **DOVE: 3RD SEG.** HUNTING IN VIRGINIA DURING THE 1993-94 HUNTING SEASON

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER REGION
	ESTIMATE	2,119	0.857	3.00	50.0	1,017	3.50	706	11.8
1	(SE)	1,352	0.459	1.61	22.4	1,110	0.72	288	4.6
	N	2,473	6	6	6	2,473	6	2,473	51
	ESTIMATE	6,710	2.192	7.13	62.5	3,061	3.25	942	15.7
2	(SE)	3,926	1.130	3.55	18.3	1,431	1.06	333	5.1
	N	2,473	8	8	8	2,473	8	2,473	51
	ESTIMATE	6,122	3.467	6.50	62.5	1,766	1.88	942	15.7
3	(SE)	2,784	1.085	1.99	18.3	696	0.35	333	5.1
	N	2,473	8	8	8	2,473	8	2,473	51
	ESTIMATE	6,828	1.759	4.25	75.0	3,414	2.42	1,413	23.5
4	(SE)	2,386	0.794	1.05	13.1	1,464	0.80	407	6.0
	N	2,473	12	12	12	2,473	12	2,473	51
	ESTIMATE	27,195	4.154	9.53	88.2	4,593	2.29	2,001	33.3
5	(SE)	8,202	0.825	1.54	8.1	1,282	0.33	484	6.7
	N	2,473	17	17	17	2,472	17	2,473	51
									PERCENT OF TOTAL LICENSEES
	ESTIMATE	51,800	2.359	6.56	70.9	18,019	2.78	6,478	2.2
STATEWIDE	(SE)	10,142	0.385	0.90	6.2	3,111	0.31	864	0.3
	N	2,473	55	55	55	2,472	55	2,472	2,472

TABLE 46. EXPANDED STATEWIDE SUMMARY OF **TOTAL SQUIRREL** HUNTING IN VIRGINIA DURING THE 1993-94 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	1,316,485	1.189	10.43	87.0	1,039,059	8.77	118,433	40.7
STATEWIDE	(SE)	54,086	0.055	0.37	1.1	54,810	0.41	2,877	1.0
	N	2,472	1,006	1,006	1,006	2,473	1,006	2,473	2,473

TABLE 47. EXPANDED STATEWIDE SUMMARY OF **TOTAL GEESE** HUNTING IN VIRGINIA DURING THE 1993-94 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	30,256	0.540	2.56	56.5	47,562	4.75	10,007	3.4
STATEWIDE	(SE)	6,400	0.097	0.47	5.4	6,738	0.45	1,067	0.4
	N	2,473	85	85	85	2,473	85	2,473	2,473

TABLE 48. STATEWIDE AND REGIONAL SUMMARIES OF PREFERENCES FOR **RUFFED GROUSE** SEASON. *

DATE	STATEWIDE	REGIONS 1	2	3	4	5
OCT. 17 - JAN. 28	3.16	3.16	3.04	3.08	3.4	5.00
OCT. 31 - FEB.11	3.46	3.49	3.44	3.39	3.54	-
NOV. 14 - FEB. 25	3.53	3.61	3.5	3.85	3.47	-

* MEAN SCORES, WHERE 1=STRONGLY OPPOSE, 5=STRONGLY FAVOR.

TABLE 49. STATEWIDE AND REGIONAL SUMMARIES OF PREFERENCES FOR **WOODCOCK** SEASON. *

DATE	STATEWIDE	REGIONS 1	2	3	4	5
OCT. 31 - NOV. 19 & DEC. 14 - JAN. 7	3.09	3.33	3.00	3.11	2.00	3.25
OCT. 31 - NOV. 26 & DEC. 21 - JAN. 7	3.26	3.33	3.00	3.22	3.00	3.71
OCT. 31 - DEC. 3 & DEC. 28 - JAN. 7	3.23	3.50	2.67	3.67	2.75	3.00

* MEAN SCORES, WHERE 1=STRONGLY OPPOSE, 5=STRONGLY FAVOR.

TABLE 50. STATEWIDE AND REGIONAL SUMMARIES OF PREFERENCES FOR **DEER-MUZZLELOADER** SEASON. *

DATE	STATEWIDE	REGIONS 1	2	3	4	5
NOV. 7 - NOV.19	4.38	4.26	4.24	4.72	4.52	4.66
NOV. 14 - NOV. 19	3.24	3.23	3.29	3.22	3.28	2.76
NO SEASON (BEFORE GUN SEASON)	1.73	1.87	1.86	1.32	1.57	1.10

* MEAN SCORES, WHERE 1=STRONGLY OPPOSE, 5=STRONGLY FAVOR.

TABLE 51. STATEWIDE AND REGIONAL SUMMARIES OF PREFERENCES FOR **DUCK** SEASON. *

DATE	STATEWIDE	REGIONS 1	2	3	4	5
OCTOBER 5-8	3.29	3.50	3.67	3.52	3.23	3.15
OCTOBER 12-15	3.96	4.20	3.63	3.90	4.21	4.00

* MEAN SCORES, WHERE 1=STRONGLY OPPOSE, 5=STRONGLY FAVOR.

TABLE 52. STATEWIDE AND REGIONAL SUMMARIES OF **PREFERENCES FOR OPENING DOVE SEASON.** (PCT)

		REGIONS				
	STATEWIDE	1	2	3	4	5
SEPTEMBER 1 (THURSDAY)	15.2	14.5	11.4	18.6	11.0	18.2
SEPTEMBER 3 (SATURDAY)	52.8	58.2	50.0	55.8	51.0	53.4
SEPTEMBER 17 (SATURDAY)	17.3	10.9	15.9	16.3	21.0	17.6
DOES NOT MATTER	13.2	14.5	20.5	8.1	16.0	10.1
NOT SURE	1.5	1.8	2.3	1.2	1.0	0.7

TABLE 53. MEAN RANKINGS OF **MOST PREFERRED MONTHS TO DOVE HUNT.** *

		REGIONS				
	STATEWIDE	1	2	3	4	5
SEPTEMBER	1.28	1.19	1.27	1.28	1.28	1.33
OCTOBER	2.13	2.14	2.07	2.17	2.11	2.20
NOVEMBER	3.32	3.48	3.19	3.39	3.38	3.30
DECEMBER	3.80	3.89	3.76	3.59	3.94	3.76
JANUARY	4.34	4.34	4.51	4.42	4.26	4.26

* 1=MOST PREFERRED, 5=LEAST PREFERRED

TABLE 54. RESPONDENTS' PREFERENCES FOR **SHOOTING HOURS ON OPENING DAY OF DOVE SEASON.** (PCT)

		REGIONS				
HOURS	STATEWIDE	1	2	3	4	5
NOON - SUNSET	43.1	38.9	43.2	38.8	43.0	49.7
ALL DAY	54.7	59.3	54.5	61.2	55.0	49.7
NO OPINION	2.2	1.9	2.3	-	2.0	-

TABLE 55. RESPONDENTS' PREFERENCES FOR **SHOOTING HOURS DURING THE 1ST SEGMENT OF DOVE SEASON.** (SEPT. 6 - SEPT. 30) (PCT)

HOURS	STATEWIDE	REGIONS 1	2	3	4	5
NOON - SUNSET	43.0	37.7	35.7	38.3	46.9	49.0
ALL DAY	52.1	56.6	59.5	58.0	48.0	48.3
NO OPINION	4.9	5.7	4.8	3.7	5.1	2.8

TABLE 56. RESPONDENTS' PREFERENCES FOR **SHOOTING HOURS DURING THE 2ND SEGMENT OF DOVE SEASON.** (OCT. 1 - OCT. 30) (PCT)

HOURS	STATEWIDE	REGIONS 1	2	3	4	5
NOON - SUNSET	30.2	21.8	23.3	25.0	34.0	36.1
ALL DAY	58.2	63.6	69.8	58.3	57.0	55.1
NO OPINION	11.6	14.5	7.0	16.7	9.0	8.8

TABLE 57. RESPONDENTS' PREFERENCES FOR **SHOOTING HOURS DURING THE 3RD SEGMENT OF DOVE SEASON.** (DEC. 27 - JAN. 8) (PCT)

HOURS	STATEWIDE	REGIONS 1	2	3	4	5
NOON - SUNSET	24.7	10.9	19.0	20.7	29.3	30.6
ALL DAY	61.1	67.3	71.4	63.4	61.6	56.5
NO OPINION	14.1	21.8	9.5	15.9	9.1	12.9

TABLE 58. RESPONDENTS' PREFERENCES FOR SELECTED **SEASON LENGTHS & BAG LIMITS FOR DOVES.** (PCT)

DAYS / LIMIT	STATEWIDE	REGIONS 1	2	3	4	5
70 DAYS - 12 DOVES / DAY	40.3	45.5	37.2	46.5	36.6	41.5
60 DAYS - 15 DOVES / DAY	40.1	40.0	30.2	39.5	40.6	42.2
DOES NOT MATTER	19.5	14.5	32.6	14.0	22.8	16.3

TABLE 59. OPINIONS OF **GUN - DEER** HUNTERS REGARDING THE **LENGTH OF THE EASTERN ZONE SEASON**. (CURRENTLY 42 DAYS) (PCT)

		REGIONS				
	STATEWIDE	1	2	3	4	5
TOO LONG	14.4	25.0	29.1	1.3	9.4	1.8
TOO SHORT	30.8	10.3	10.0	44.7	36.7	60.1
THE RIGHT LENGTH	41.1	42.5	31.8	49.3	48.4	35.0
NO OPINION	13.7	22.1	29.1	4.6	5.5	3.0

TABLE 60. OPINIONS OF **GUN - DEER** HUNTERS REGARDING THE **LENGTH OF THE WESTERN ZONE SEASON**. (CURRENTLY 12 DAYS) (PCT)

		REGIONS				
	STATEWIDE	1	2	3	4	5
TOO LONG	2.3	7.6	1.0	1.3	1.0	1.2
TOO SHORT	60.6	54.5	60.9	63.7	68.4	54.6
THE RIGHT LENGTH	22.2	35.3	33.3	12.0	12.0	13.9
NO OPINION	14.9	2.5	4.8	23.0	18.5	30.2

TABLE 61. OPINIONS OF **GUN - DEER** HUNTERS REGARDING THE **APPROPRIATE NUMBER OF DOE DAYS**. (PCT)

		REGIONS				
	STATEWIDE	1	2	3	4	5
INCREASE DAYS	46.1	32.6	39.3	54.3	49.1	58.9
DECREASE DAYS	14.2	27.2	18.1	6.3	9.6	5.1
KEEP DAYS THE SAME	38.2	39.1	41.4	38.1	40.0	34.1
NO OPINION	1.5	1.1	1.2	1.3	1.2	1.8

TABLE 62. PERCEPTIONS OF DEER HUNTERS REGARDING **OVERALL QUALITY OF DEER HUNTING** DURING 1993-94. *

	REGIONS				
STATEWIDE	1	2	3	4	5
4.18	3.64	3.75	4.60	4.32	4.83

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

TABLE 63. OPINIONS OF RABBIT HUNTERS REGARDING **OPENING RABBIT SEASON PRIOR TO 1ST MONDAY IN NOVEMBER.** *

	REGIONS				
STATEWIDE	1	2	3	4	5
3.38	3.31	3.29	3.59	3.36	3.33

* MEAN SCORES, WHERE 1=STRONGLY OPPOSE, 5=STRONGLY FAVOR

TABLE 64. PERCEPTIONS OF **RABBIT HUNTERS WHO OPPOSED/STRONGLY OPPOSED OPENING RABBIT SEASON PRIOR TO THE 1ST MONDAY IN NOVEMBER.** (PCT)

		REGIONS				
REASONS	STATEWIDE	1	2	3	4	5
WEATHER TOO WARM	36.2	12.5	34.8	34.4	36.2	56.8
TOO MANY YOUNG RABBITS	9.9	18.8	8.7	9.4	6.9	10.8
POPS. WOULD BE REDUCED	14.4	15.6	13.0	9.4	22.4	8.1
TOO MANY WARBLES	23.5	37.5	28.3	25.0	17.2	10.8
CROPS NOT HARVESTED	6.2	-	6.5	6.3	10.3	5.4
OTHER	9.9	15.6	8.7	15.6	6.9	8.1

TABLE 65. OPINIONS OF BEAR HUNTERS & NON-BEAR HUNTERS REGARDING THE **APPROPRIATENESS OF BEAR DOG TRAINING (CHASE) SEASON.** (PCT)

	BEAR HUNTERS	NON-BEAR HUNTERS
STRONGLY OPPOSE	35.8	20.4
OPPOSE	7.9	12.1
NEUTRAL	20.0	48.6
FAVOR	10.9	12.4
STRONGLY FAVOR	25.5	6.6

TABLE 66. OPINIONS OF WATERFOWL HUNTERS & NON-WATERFOWL HUNTERS REGARDING THE **APPROPRIATENESS OF SWAN HUNTING SEASON.** (PCT)

	WATERFOWL HUNTERS	NON-WATERFOWL HUNTERS
STRONGLY OPPOSE	12.3	22.9
OPPOSE	7.1	14.0
NEUTRAL	33.8	53.9
FAVOR	20.8	6.1
STRONGLY FAVOR	26.0	3.1

TABLE 67. PREFERENCES OF **FALL TURKEY HUNTERS** REGARDING **SEASON DATES.** *

DATES	STATEWIDE	REGIONS 1	2	3	4	5
OCT. 10 - OCT 29	3.22	3.12	3.42	3.12	3.34	2.80
OCT. 31 - NOV 19	2.14	3.05	2.01	2.18	2.24	2.30
NOV. 21 - DEC 10	2.15	2.27	2.04	2.39	2.08	2.51
DEC. 12 - DEC 31	3.10	3.04	3.15	3.20	3.05	3.31
JAN. 2 - JAN. 21	4.08	4.23	4.28	3.84	4.08	3.81

* MEAN RANKINGS, WHERE 1=MOST PREFERRED, 5=LEAST PREFERRED

TABLE 68. STATEWIDE & REGIONAL SUMMARIES OF FALL TURKEY HUNTERS' PERCEPTIONS OF **THE IMPORTANCE OF SELECTED ATTRIBUTES ASSOCIATED WITH HARVESTING FALL TURKEYS.** *

	STATEWIDE	REGIONS 1	2	3	4	5
Q40U	5.327	5.310	5.522	5.250	5.043	5.016
Q40V	4.262	4.357	4.488	4.010	3.929	3.891
Q40W	4.193	4.218	4.335	4.038	4.114	3.766
Q40X	4.038	4.056	4.049	3.953	3.914	3.810
Q40Y	4.830	4.754	4.856	4.619	4.693	4.683
Q40Z	3.985	4.142	3.970	4.113	3.921	3.578

* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT

TABLE 69. PERCEPTIONS OF FALL TURKEY HUNTERS REGARDING **OVERALL QUALITY OF FALL TURKEY HUNTING** DURING 1993-94. *

		REGIONS				
	STATEWIDE	1	2	3	4	5
	3.92	3.64	3.97	3.86	4.03	4.79

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

TABLE 70. PERCEPTIONS OF FALL TURKEY HUNTERS REGARDING **TRENDS IN NUMBERS OF TURKEYS.** (PCT)

		REGIONS				
	STATEWIDE	1	2	3	4	5
INCREASED	27.5	15.1	22.4	26.2	34.2	49.2
DECREASED	30.8	40.3	37.6	33.6	19.2	15.4
REMAINS THE SAME	32.7	38.8	30.7	24.3	39.0	24.6
NOT SURE	9.1	5.8	9.3	15.9	7.5	10.8

TABLE 71. PERCEPTIONS OF FALL TURKEY HUNTERS REGARDING **THE MEAN NUMBER OF DAYS NEEDED IN ORDER TO HAVE AN "EXCELLENT SEASON".**

		REGIONS				
	STATEWIDE	1	2	3	4	5
DAYS	23.76	20.42	23.18	24.45	26.91	24.43

TABLE 72. STATEWIDE SUMMARY OF RESPONDENTS' PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED FALL TURKEY HUNTING ATTRIBUTES (1993)

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q40A	5.368	5.535	0.167
Q40B	5.829	6.045	0.216
Q40C	5.531	5.724	0.193
Q40D	5.167	5.038	-0.129
Q40E	5.583	4.779	-0.804
Q40F	4.268	3.928	-0.34
Q40G	3.440	3.149	-0.291
Q40H	3.765	3.619	-0.146
Q40I	3.212	2.590	-0.622
Q40J	5.829	4.305	-1.524
Q40K	5.889	4.497	-1.392
Q40L	5.431	5.167	-0.264
Q40M	5.617	4.683	-0.934
Q40N	6.326	5.529	-0.797
Q40O	4.757	5.017	0.26
Q40P	4.656	3.616	-1.04
Q40Q	5.572	4.185	-1.387
Q40R	1.906	1.833	-0.073
Q40S	4.288	5.056	0.768
Q40T	5.288	4.548	-0.74

* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT

** PERFORMANCE - IMPORTANCE

TABLE 73. REGION 1 SUMMARY OF RESPONDENTS' PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED FALL TURKEY HUNTING ATTRIBUTES (1993)

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q40A	5.271	5.528	0.257
Q40B	5.794	6.085	0.291
Q40C	5.446	5.787	0.341
Q40D	5.338	5.291	-0.047
Q40E	5.589	4.887	-0.702
Q40F	4.302	4.092	-0.210
Q40G	3.236	3.086	-0.15
Q40H	3.600	3.652	0.052
Q40I	3.058	2.507	-0.551
Q40J	5.879	4.035	-1.844
Q40K	5.986	4.321	-1.665
Q40L	5.364	4.964	-0.4
Q40M	5.671	4.695	-0.976
Q40N	6.326	5.564	-0.762
Q40O	4.915	5.057	0.142
Q40P	4.553	3.629	-0.924
Q40Q	5.662	4.204	-1.458
Q40R	1.525	1.496	-0.029
Q40S	4.070	4.858	0.788
Q40T	5.199	4.507	-0.692

* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT

** PERFORMANCE - IMPORTANCE

TABLE 74. REGION 2 SUMMARY OF RESPONDENTS' PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED FALL TURKEY HUNTING ATTRIBUTES (1993)

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q40A	5.431	5.589	0.158
Q40B	5.946	6.059	0.113
Q40C	5.562	5.714	0.152
Q40D	5.256	5.104	-0.152
Q40E	5.593	4.772	-0.821
Q40F	4.470	3.985	-0.485
Q40G	3.485	3.056	-0.429
Q40H	3.807	3.645	-0.162
Q40I	3.188	2.645	-0.543
Q40J	5.970	4.386	-1.584
Q40K	5.971	4.448	-1.523
Q40L	5.507	5.010	-0.497
Q40M	5.597	4.562	-1.035
Q40N	6.312	5.500	-0.812
Q40O	4.589	4.955	0.366
Q40P	4.724	3.599	-1.125
Q40Q	5.724	4.224	-1.5
Q40R	1.598	1.462	-0.136
Q40S	4.488	5.286	0.798
Q40T	5.406	4.547	-0.859

* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT

** PERFORMANCE - IMPORTANCE

TABLE 75. REGION 3 SUMMARY OF RESPONDENTS' PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED FALL TURKEY HUNTING ATTRIBUTES (1993)

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q40A	5.343	5.337	-0.006
Q40B	5.673	5.895	0.222
Q40C	5.442	5.481	0.039
Q40D	5.140	4.981	-0.159
Q40E	5.740	4.657	-1.083
Q40F	4.223	3.864	-0.359
Q40G	3.481	3.154	-0.327
Q40H	3.904	3.590	-0.314
Q40I	3.317	2.538	-0.779
Q40J	5.914	4.152	-1.762
Q40K	5.971	4.305	-1.666
Q40L	5.333	5.371	0.038
Q40M	5.471	4.695	-0.776
Q40N	6.276	5.486	-0.79
Q40O	4.610	5.029	0.419
Q40P	4.615	3.635	-0.98
Q40Q	5.581	4.269	-1.312
Q40R	2.476	2.524	0.048
Q40S	4.308	5.029	0.721
Q40T	5.381	4.314	-1.067

* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT

** PERFORMANCE - IMPORTANCE

TABLE 76. REGION 4 SUMMARY OF RESPONDENTS' PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED FALL TURKEY HUNTING ATTRIBUTES (1993)

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q40A	5.274	5.619	0.345
Q40B	5.738	6.051	0.313
Q40C	5.552	5.871	0.319
Q40D	5.049	4.878	-0.171
Q40E	5.555	4.676	-0.879
Q40F	4.193	3.705	-0.488
Q40G	3.493	3.151	-0.342
Q40H	3.771	3.576	-0.195
Q40I	3.281	2.478	-0.803
Q40J	5.734	4.435	-1.299
Q40K	5.710	4.681	-1.029
Q40L	5.357	5.331	-0.026
Q40M	5.557	4.588	-0.969
Q40N	6.357	5.410	-0.947
Q40O	4.593	4.827	0.234
Q40P	4.583	3.442	-1.141
Q40Q	5.338	4.080	-1.258
Q40R	1.914	1.761	-0.153
Q40S	4.143	5.259	1.116
Q40T	5.064	4.691	-0.373

* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT

** PERFORMANCE - IMPORTANCE

TABLE 77. REGION 5 SUMMARY OF RESPONDENTS' PERCEPTIONS REGARDING THE IMPORTANCE AND SATISFACTION OF SELECTED FALL TURKEY HUNTING ATTRIBUTES (1993)

ATTRIBUTE	IMPORTANCE *	PERFORMANCE	SATISFACTION DIFFERENCE **
Q40A	5.323	5.422	0.099
Q40B	5.578	5.922	0.344
Q40C	5.444	5.828	0.384
Q40D	5.188	5.000	-0.188
Q40E	5.400	4.625	-0.775
Q40F	4.015	3.859	-0.156
Q40G	3.484	3.094	-0.390
Q40H	3.765	3.651	-0.114
Q40I	3.422	2.714	-0.708
Q40J	5.719	4.672	-1.047
Q40K	5.844	4.828	-1.016
Q40L	5.349	5.484	0.135
Q40M	5.844	4.952	-0.892
Q40N	6.381	5.828	-0.553
Q40O	4.922	5.413	0.491
Q40P	4.556	3.790	-0.766
Q40Q	5.734	4.524	-1.210
Q40R	2.524	2.328	-0.196
Q40S	3.859	4.453	0.594
Q40T	5.109	4.641	-0.468

* MEAN SCORES, WHERE 1=NOT IMPORTANT, 7=EXTREMELY IMPORTANT

** PERFORMANCE - IMPORTANCE

TABLE 78. STATEWIDE AND REGIONAL DISTRIBUTION OF **DOVE HUNTING ACROSS EIGHT TYPES OF LAND** DURING THE 1993-94 HUNTING SEASON. (PCT)

TYPE	STATEWIDE	REGIONS 1	2	3	4	5
VDGIF WMA	3.4	1.7	0.0	8.7	2.9	2.4
NAT'L FORESTS	8.9	9.8	18.2	1.3	1.8	0.3
PRIVATE LAND	68.2	83.5	71.9	62.1	81.9	71.7
CORPORATE LAND	1.5	0.5	1.2	3.1	1.0	1.2
HUNT CLUB - PVT. LAND	12.5	1.7	7.5	19.5	8.8	20.4
HUNT CLUB - CORP. LAND	1.3	2.4	0.0	4.6	2.0	1.2
MILITARY LAND	1.2	0.5	0.0	0.4	1.9	1.5
OTHER	2.6	0.0	1.2	0.2	0.0	1.2

TABLE 79. STATEWIDE AND REGIONAL DISTRIBUTION OF **DEER (GUN) HUNTING ACROSS EIGHT TYPES OF LAND** DURING THE 1993-94 HUNTING SEASON. (PCT)

TYPE	STATEWIDE	REGIONS 1	2	3	4	5
VDGIF WMA	2.5	3.0	1.7	3.5	2.8	1.9
NAT'L FORESTS	16.1	38.0	34.6	5.6	3.9	2.0
PRIVATE LAND	51.4	49.8	55.2	58.0	56.8	36.6
CORPORATE LAND	4.0	1.6	2.6	3.6	6.7	4.5
HUNT CLUB - PVT. LAND	17.6	4.9	3.4	20.4	20.5	37.5
HUNT CLUB - CORP. LAND	5.8	0.4	0.4	5.1	7.2	14.8
MILITARY LAND	1.4	0.5	0.5	3.6	1.0	1.9
OTHER	1.1	1.8	1.6	0.2	1.3	0.7

TABLE 80. STATEWIDE AND REGIONAL DISTRIBUTION OF **RABBIT HUNTING ACROSS EIGHT TYPES OF LAND** DURING THE 1993-94 HUNTING SEASON. (PCT)

TYPE	STATEWIDE	REGIONS 1	2	3	4	5
VDGIF WMA	1.9	0.6	0.0	6.4	2.6	1.1
NAT'L FORESTS	3.5	14.8	5.4	0.0	0.0	0.4
PRIVATE LAND	74.0	76.3	89.2	62.6	76.4	59.8
CORPORATE LAND	2.7	1.6	0.3	4.3	4.7	2.5
HUNT CLUB - PVT. LAND	11.1	0.6	4.0	15.3	11.5	22.9
HUNT CLUB - CORP. LAND	4.4	2.0	0.0	5.4	2.0	13.3
MILITARY LAND	1.1	0.0	1.1	5.8	0.0	0.0
OTHER	1.3	4.1	0.0	0.2	2.8	0.0

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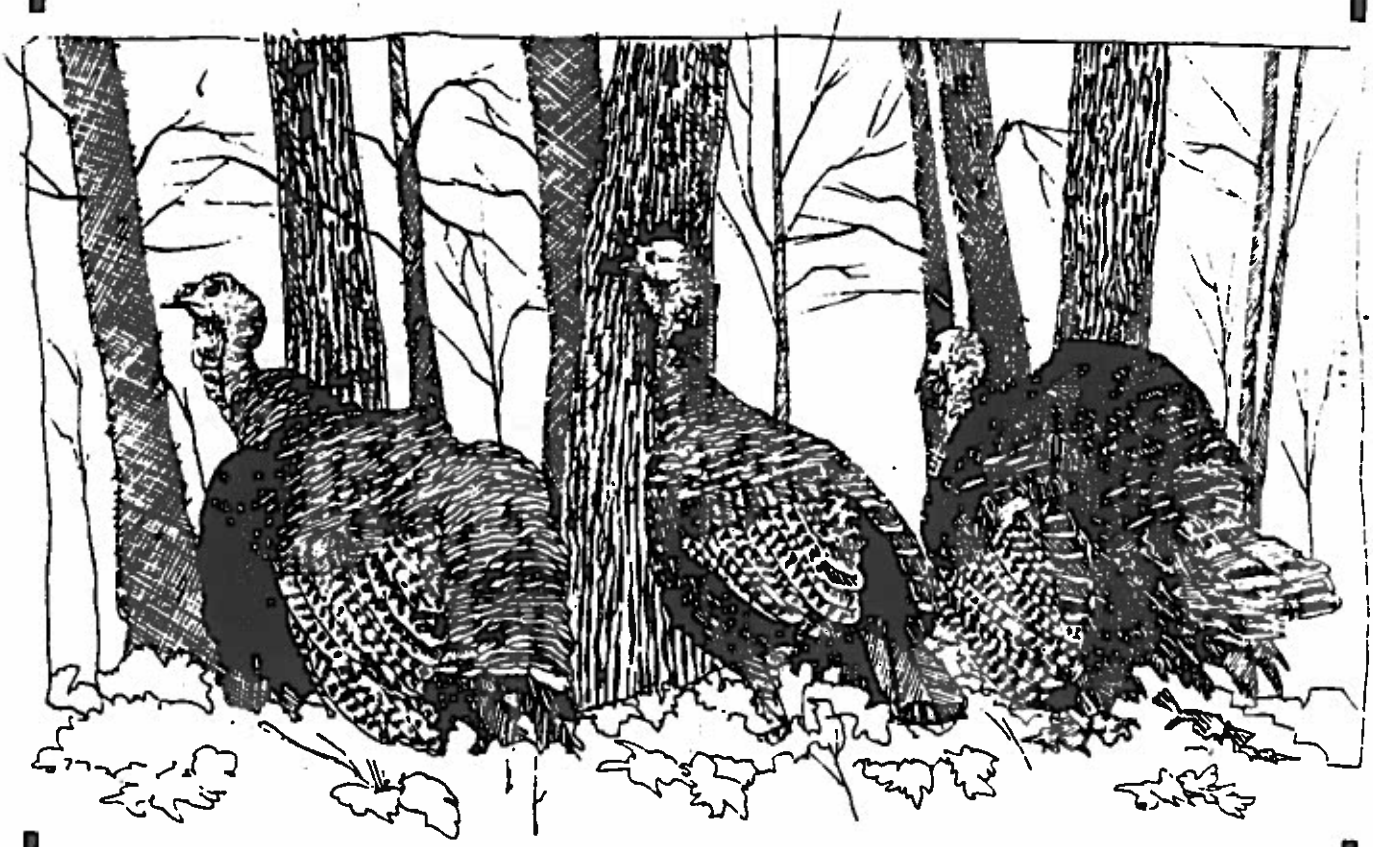
Appendix

VIRGINIA HUNTER SURVEY



Virginia Department of Game & Inland Fisheries

and George Mason University

VIRGINIA DEPT. 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 1993-94 hunting season (July 1, 1993 - June 30, 1994)?

   ☐ 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 1993-94 hunting season.

INSTRUCTIONS:

- Put the number of animals you **harvested personally** in 1993–94 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 Harvest:

Quail	Woodcock	Ruffed Grouse	Crow	Rabbit	Gray Squirrel	Fox Squirrel	Groundhog/ Woodchuck

4. Big Game Harvest:

Deer						Turkey			Bear
Archery		Muzzleloader		Gun		Spring 1993	Fall 1993	Spring 1994	
Bucks	Does	Bucks	Does	Bucks	Does				

5. Waterfowl Harvest:

Ducks				Geese	
Mallard	Wood	Black	All Others	Sept. Season	Nov.–Jan Season

6. Furbearer Harvest:

Red Fox	Gray Fox	Coyote	Raccoon	Bobcat

7. Dove Harvest (Please note that this is divided into opening day, and three season segments):

Dove			
Opening Day Sept. 4	1st Segment Sept. 6–30	2nd Segment Oct. 1–30	3rd Segment Dec. 27–Jan. 8

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 Days Hunted:

Quail	Woodcock	Ruffed Grouse	Crow	Rabbit	Gray Squirrel	Fox Squirrel	Groundhog/ Woodchuck

9. Big Game Days Hunted:

Deer			Turkey					Bear
Archery	Muzzle-loader	Gun	Spring 1993	Nov. 1–13, 1993 prior to gun/deer season	Nov. 15–27, 1993 1st two weeks of gun/deer season	Nov. 29, 1993–Jan. 1, 1994 Remainder of fall turkey season	Spring 1994	

10. If you hunted bear, did you hunt bear with dogs? (If you did not hunt bear in 1993–94, skip to Question #11)

_____ Yes

_____ No

11. Waterfowl Days Hunted:

Ducks	Geese	
	Sept. Season	Nov.–Jan Season

12. Furbearers Days Hunted:

Red Fox	Gray Fox	Coyote	Raccoon	Bobcat

13. Doves Days Hunted:

Dove			
Opening Day Sept. 4	1st Segment Sept. 6–30	2nd Segment Oct. 1–30	3rd Segment Dec. 27–Jan. 8

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.*

14. Small Game Region Hunted:

Quail	Woodcock	Ruffed Grouse	Crow	Rabbit	Gray Squirrel	Fox Squirrel	Groundhog/ Woodchuck

15. Big Game Region Hunted:

Deer			Turkey			Bear
Archery	Muzzleloader	Gun	Spring 1993	Fall 1993	Spring 1994	

16. Waterfowl Region Hunted:

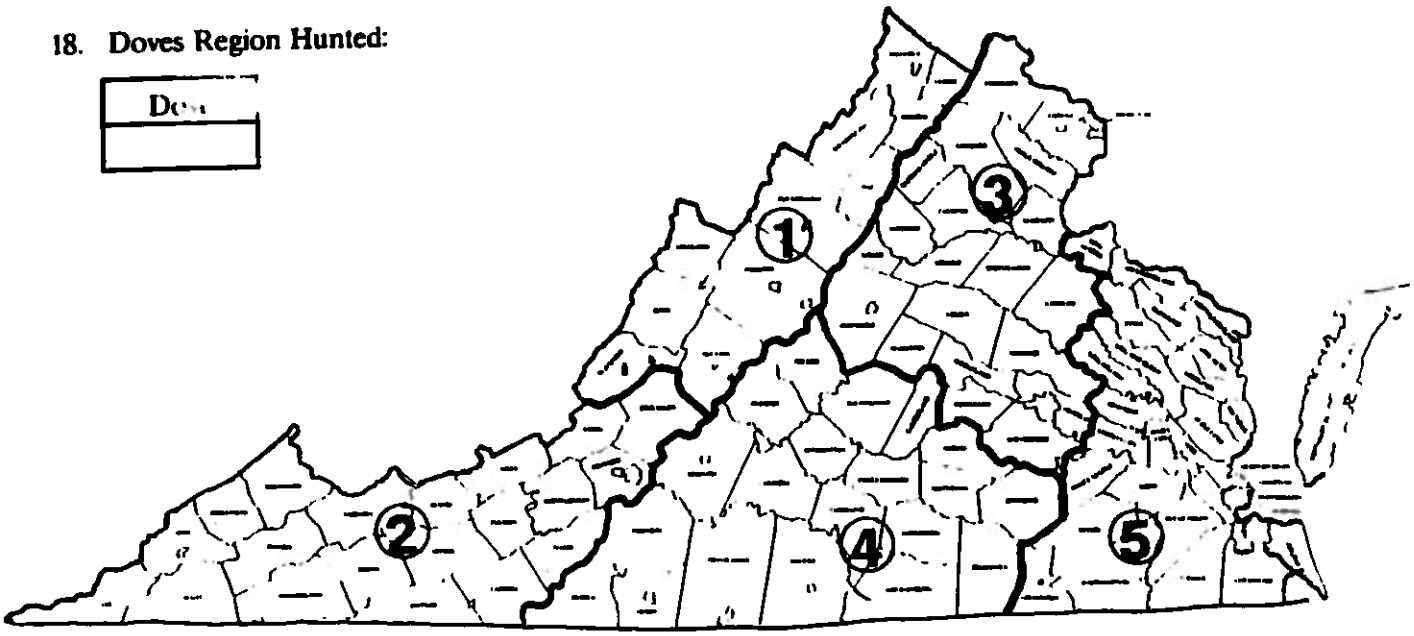
Ducks	Geese	
	Sept. Season	Nov.–Jan Season

17. Furbearers Region Hunted:

Red Fox	Gray Fox	Coyote	Raccoon	Bobcat

18. Doves Region Hunted:

Doves



19. Next, indicate the county where you most often hunted *DEER* (Gun Season). If you did not hunt deer, leave the space blank.

_____ County.

20. Now, indicate the county where you most often hunted *TURKEYS* during Fall 1993. If you did not hunt turkeys, leave the space blank.

_____ County.

Below are sets of questions regarding several season options for specific game animals which could potentially be incorporated into future hunting regulations. **Please answer all questions, even for species you did not hunt.**

21. Please indicate the degree to which you favor or oppose each of the dates below for *RUFFED GROUSE* season, by placing a "check" in the appropriate boxes.

	Strongly Oppose	Oppose	Neutral	Favor	Strongly Favor
Oct. 17 – Jan. 28	☐	☐	☐	☐	☐
Oct. 31 – Feb. 11	☐	☐	☐	☐	☐
Nov. 14 – Feb. 25	☐	☐	☐	☐	☐

22. Please indicate the degree to which you favor or oppose each of the dates below for *WOODCOCK* season, by placing a "check" in the appropriate boxes.

	Strongly Oppose	Oppose	Neutral	Favor	Strongly Favor
Oct. 31 – Nov. 19 & Dec. 14 – Jan. 7	☐	☐	☐	☐	☐
Oct. 31 – Nov. 26 & Dec. 21 – Jan. 7	☐	☐	☐	☐	☐
Oct. 31 – Dec. 3 & Dec. 28 – Jan. 7	☐	☐	☐	☐	☐

23. Please indicate the degree to which you favor or oppose each of the dates below for *DEER – MUZZLELOADER* season, by placing a "check" in the appropriate boxes.

	Strongly Oppose	Oppose	Neutral	Favor	Strongly Favor
Nov. 7 – Nov. 19	☐	☐	☐	☐	☐
Nov. 14 – Nov. 19	☐	☐	☐	☐	☐
No muzzleloading season (before gun season)	☐	☐	☐	☐	☐

24. To what degree would you favor or oppose each of the dates below for the October segment of *DUCK* season.

	Strongly Oppose	Oppose	Neutral	Favor	Strongly Favor
October 5–8	☐	☐	☐	☐	☐
October 12–15	☐	☐	☐	☐	☐

25. Please indicate the degree to which you favor or oppose each of the following hunting seasons:

	Strongly Oppose	Oppose	Neutral	Favor	Strongly Favor
Bear dog training season (chase)	☐	☐	☐	☐	☐
Swan hunting season	☐	☐	☐	☐	☐

In the next few questions, we would like your views regarding *DOVE* season.

26. Given an equal number of days under each option, which of the following dates would you prefer for the opening of *DOVE* season? (Check only 1)

- ☐ September 1 (Thursday)
- ☐ September 3 (Saturday)
- ☐ September 17 (Saturday)
- ☐ Does not matter
- ☐ Not sure

27. We would now like to know which months are most preferred for *DOVE* hunting. Place a "1" next to the month you prefer *most*. Place a "2" next to the 2nd most preferred month, through "5" for the least preferred month. Place a rank next to each month and do not use the same number twice.

- _____ September
- _____ October
- _____ November
- _____ December
- _____ January

28. What shooting hours for DOVES would you prefer most for each of these season segments?

	Noon till Sunset	All day	No opinion
Opening Day	☐	☐	☐
1st Segment (Sept. 6–30)	☐	☐	☐
2nd Segment (Oct. 1–30)	☐	☐	☐
3rd Segment (Dec. 27–Jan. 8)	☐	☐	☐

29. The Department can vary, to some degree, the season length and bag limits for *DOVES*. Of the following choices, which would you prefer? (Check only 1).

- ☐ Season length of 70 days, bag limit of 12 doves/day
- ☐ Season length of 60 days, bag limit of 15 doves/day
- ☐ Does not matter

Next, we would like your views on a few issues regarding *DEER* season.

30. The *GUN* season in the *EASTERN ZONE* is currently 42 days. Is it too long? Too short? Or, the right lengt (Check only 1).

- ☐ Too long
- ☐ Too short
- ☐ The right length
- ☐ No opinion

31. The *GUN* season in the *WESTERN ZONE* is currently **12 days**. Is it too long? Too short? Or, the right lengt (Check only 1).

- ☐ Too long
- ☐ Too short
- ☐ The right length
- ☐ No opinion

32. In the area where you hunt during Gun–Deer season, would you increase, decrease, or keep the number of **DO DAYS** as it is now? (Check only 1).

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

Now, we would like for you to tell us your overall impression of the quality of your *DEER* hunti experiences in Virginia during the 1993–94 season. (If you did not hunt deer in 1993–94, please skip Question 34).

	Poor			Adequate			Excellen
33. Overall, how do you rate the quality of your deer hunting during 1993–94?	☐	☐	☐	☐	☐	☐	☐

Now, think about RABBIT season.

34. How do you feel about opening rabbit season earlier than it is now (the first Monday in November). (Check only

Strongly Oppose	Oppose	Neutral	Favor	Strongly Favor
☐	☐	☐	☐	☐

35. If you *opposed or strongly opposed* opening the rabbit season earlier, please indicate the most important reas (check only 1). **(If you favored, strongly favored, or were neutral, skip to Question 36).**

- ☐ The weather is too warm earlier in the year.
- ☐ There are too many young, undersized rabbits earlier in the year.
- ☐ Rabbit population levels would be reduced too low by extra hunting pressure.
- ☐ There are too many warbles (bot flies, "wolves") on rabbits earlier in the year.
- ☐ Too many crops are not harvested earlier in the year.
- ☐ Other (Please specify) _____

Now, think about *FALL TURKEY* hunting.

36. Suppose you were restricted to hunting only 20 days each fall. Indicate the season you prefer to hunt *most* by placing a "1" next to that choice. Place a "2" next to your *2nd most preferred* season, through "5" for the least preferred season. Do not use the same number twice.

Oct. 10–29 _____

Oct. 31 – Nov. 19 _____

Nov. 21 – Dec. 10 _____

Dec. 12–31 _____

Jan. 2–21 _____

Next, we would like to know more about the *types of land* on which you hunt.

37. Please indicate the number of days you spent hunting on each type of land *and* the average distance (1–way) you traveled to get there. **If you did not hunt on a particular type of land, leave the spaces blank.**

The first species is *DOVE:*

☐ I did not hunt doves in 1993–94 (Skip to Question 38).

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) or Leased Land (Private land)	_____
_____	Hunt Club(s) or Leased Land (Corporate land)	_____
_____	Military Land	_____
_____	Other (please specify) _____	

38. The next species is *DEER:*

_____ I did not hunt deer in 1993–94 (Skip to Question 39).

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) or Leased Land (Private land)	_____
_____	Hunt Club(s) or Leased Land (Corporate land)	_____
_____	Military Land	_____
_____	Other (please specify) _____	

39. The next species is *RABBITS:*

_____ I did not hunt rabbits in 1993–94 (Skip to Question 40).

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) or Leased Land (Private land)	_____
_____	Hunt Club(s) or Leased Land (Corporate land)	_____
_____	Military Land	_____
_____	Other (please specify) _____	

In the next section, we would like to know to what degree you are satisfied with your *FALL TURKEY* hunting experiences in Virginia in 1993. If you did not hunt turkeys in the fall of 1993, you have now completed the questionnaire. Please fold the questionnaire, place it in the return envelope and mail it as soon as possible.

40. First, we'd like you to imagine an **EXCELLENT TURKEY SEASON.** In the next few questions, please indicate how essential the following attributes are to an excellent 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	☐	☐	☐	☐	☐	☐	☐
b. Being close to nature	☐	☐	☐	☐	☐	☐	☐
c. Getting away from everyday problems (job, family, etc.)	☐	☐	☐	☐	☐	☐	☐
d. Maintaining and/or using my calls and hunting equipment	☐	☐	☐	☐	☐	☐	☐
e. Spending sufficient time scouting the areas I intend to hunt	☐	☐	☐	☐	☐	☐	☐
f. Being able to spend plenty of time patterning my shotgun	☐	☐	☐	☐	☐	☐	☐
g. Watching TV programs about turkey hunting	☐	☐	☐	☐	☐	☐	☐

40. (continued)

	Not At All Essential for Excellence			Nice' But Not Essential			Absolut Essential Excellen
h. Reading magazines about turkey hunting	☐	☐	☐	☐	☐	☐	☐
i. Attending seminars to learn more about turkey hunting	☐	☐	☐	☐	☐	☐	☐
j. Seeing turkeys while hunting	☐	☐	☐	☐	☐	☐	☐
k. Hearing turkeys while hunting	☐	☐	☐	☐	☐	☐	☐
l. Seeing and hearing other wildlife while hunting	☐	☐	☐	☐	☐	☐	☐
m. Seeing very few other hunters while hunting	☐	☐	☐	☐	☐	☐	☐
n. Feeling reasonably safe while in the woods	☐	☐	☐	☐	☐	☐	☐
o. Being with my hunting companions	☐	☐	☐	☐	☐	☐	☐
p. Teaching someone the skills of hunting turkeys	☐	☐	☐	☐	☐	☐	☐
q. Calling turkeys successfully	☐	☐	☐	☐	☐	☐	☐
r. Hunting turkeys with dogs	☐	☐	☐	☐	☐	☐	☐
s. Combining turkey hunting with hunting other species	☐	☐	☐	☐	☐	☐	☐
t. Getting a shot at a turkey	☐	☐	☐	☐	☐	☐	☐
u. Bagging a turkey	☐	☐	☐	☐	☐	☐	☐
v. Bagging a limit of turkeys	☐	☐	☐	☐	☐	☐	☐
w. Being thought of as a skilled turkey hunter	☐	☐	☐	☐	☐	☐	☐
x. Showing a turkey I bagged to family and friends	☐	☐	☐	☐	☐	☐	☐
y. Bringing home a turkey to eat	☐	☐	☐	☐	☐	☐	☐
z. Displaying a trophy turkey, beard, etc.	☐	☐	☐	☐	☐	☐	☐

In the last section you told us about the attributes that make for an excellent turkey season. Now, we would like to ask you specifically about your fall turkey hunting during 1993.

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

During the 1993 fall turkey season, I:	Strongly Disagree			Neither Agree Nor Disagree			Strongly Agree
a. Was able to get away from civilization	☐	☐	☐	☐	☐	☐	☐
b. Felt close to nature	☐	☐	☐	☐	☐	☐	☐
c. Was able to get away from everyday problems (job, family, etc.)	☐	☐	☐	☐	☐	☐	☐
d. Spent sufficient time maintaining and using my calls and hunting equipment	☐	☐	☐	☐	☐	☐	☐
e. Spent sufficient time scouting the areas I hunted	☐	☐	☐	☐	☐	☐	☐
f. Spent plenty of time patterning my shotgun	☐	☐	☐	☐	☐	☐	☐
g. Watched plenty of TV programs about turkey hunting	☐	☐	☐	☐	☐	☐	☐
h. Read plenty of magazines about turkey hunting	☐	☐	☐	☐	☐	☐	☐
i. Was able to attend a seminar(s) to learn more about turkey hunting	☐	☐	☐	☐	☐	☐	☐
j. Saw plenty of turkeys	☐	☐	☐	☐	☐	☐	☐
k. Heard plenty of turkeys	☐	☐	☐	☐	☐	☐	☐
l. Saw and heard plenty of other wildlife	☐	☐	☐	☐	☐	☐	☐
m. Saw very few other hunters while hunting	☐	☐	☐	☐	☐	☐	☐
n. Felt reasonably safe while I was in the woods	☐	☐	☐	☐	☐	☐	☐
o. Was able to spend plenty of time with my hunting companions	☐	☐	☐	☐	☐	☐	☐
p. Taught someone the skills of hunting turkeys	☐	☐	☐	☐	☐	☐	☐
q. Felt I was able to call turkeys successfully	☐	☐	☐	☐	☐	☐	☐
r. Had the opportunity to hunt turkeys with dogs	☐	☐	☐	☐	☐	☐	☐
s. Was able to combine my turkey hunting with hunting other species	☐	☐	☐	☐	☐	☐	☐
t. Had the opportunity to shoot at a turkey	☐	☐	☐	☐	☐	☐	☐

Finally, we would like for you to tell us your overall impression of fall turkey hunting 1993 in Virginia.

	Poor			Adequate			Excellent
42. Overall, how do you rate the quality of your 1993 fall turkey season?	☐	☐	☐	☐	☐	☐	☐

43. When compared to other years, would you say the number of turkeys in the areas you hunted in 1993: (Check only 1)

- ☐ Increased
- ☐ Decreased
- ☐ Remained about the same
- ☐ Not sure

44. If being able to hunt enough days for turkeys (Fall Season) was the sole criterion for an excellent season, how many days do you feel you need to hunt in order to have an excellent season?

_____ days (Please specify)

Thank you for taking the time to complete this survey. Your answers will be very important to the successful management of wildlife in Virginia. Should 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 INTO THE RETURN ENVELOPE, AND RETURN IT TO US AS SOON AS POSSIBLE. THANKS AGAIN!