Results of the 2013-2014 Virginia Hunter Survey

CHRISTOPHER NEWPORT UNIVERSITY'S
JUDY FORD WASON
CENTER FOR PUBLIC POLICY

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Table of Contents

	Page
List of Tables	4
List of Figures	8
Introduction	9
Methods	9
Results	10
References	12
Notes	14
Section 1: Estimates and standard errors of harvest and effort	15
Section 2: General hunting behavior and attitudes	60
Section 3: DEER hunting	63
Section 4: BEAR hunting	71
Section 5: TURKEY hunting	74
Section 6: QUAIL, SQUIRREL, and RABBIT hunting	78
Section 7: Characteristics of survey respondents	81
Appendix A: Survey instrument	82
Appendix B: First letter	91
Appendix C: Postcard follow-up	92
Appendix D: Second letter	93

List of Tables

Table		Page
1	2013-2014 Hunting Population and Survey Sample Statistics	12
2	Expanded Statewide Summary of Game Harvest Based on the 2013-2014 Survey of Virginia Hunters	15
3	Expanded Statewide Estimates of Total Harvest (With Standard Errors) for Virginia Game Species during the 2013-2014 Hunting Season	16
4	Expanded Statewide Summary of Dove Hunting in Virginia During the 2013-2014 Hunting Season	17
5	Expanded Statewide Summary of Quail Hunting in Virginia During the 2013-2014 Hunting Season	18
6	Expanded Statewide Summary of Wild Quail Hunting in Virginia During the 2013-2014 Hunting Season	19
7	Expanded Statewide Summary of Pen-Raised Quail Hunting in Virginia During the 2013-2014 Hunting Season	20
8	Expanded Statewide Summary of Woodcock Hunting in Virginia During the 2013-2014 Hunting Season	21
9	Expanded Statewide Summary of Ruffed Grouse Hunting in Virginia During the 2013-2014 Hunting Season	22
10	Expanded Statewide Summary of Crow Hunting in Virginia During the 2013-2014 Hunting Season.	23
11	Expanded Statewide Summary of Rabbit Hunting in Virginia During the 2013-2014 Hunting Season	24
12	Expanded Statewide Summary of Gray Squirrel Hunting in Virginia During the 2013-2014 Hunting Season	25
13	Expanded Statewide Summary of Fox Squirrel Hunting in Virginia During the 2013-2014 Hunting Season	26
14	Expanded Statewide Summary of Red Squirrel Hunting in Virginia During the 2013-2014 Hunting Season	27
15	Expanded Statewide Summary of Total Squirrel Hunting in Virginia During the 2013-2014 Hunting Season	28
16	Expanded Statewide Summary of Groundhog Hunting in Virginia During the 2013-2014 Hunting Season	29
17	Expanded Statewide Summary of Archery Deer (Buck and Doe) Hunting in Virginia During the 2013-2014 Hunting Season	30
18	Expanded Statewide Summary of Archery Deer (Buck) Hunting in Virginia During the 2013-2014 Hunting Season	31
19	Expanded Statewide Summary of Archery Deer (Doe) Hunting in Virginia During the 2013-2014 Hunting Season	32
20	Expanded Statewide Summary of Crossbow Deer (Buck and Doe) Hunting in Virginia During the 2013-2014 Hunting Season	33
21	Expanded Statewide Summary of Crossbow Deer (Buck) Hunting in Virginia During the 2013-2014 Hunting Season	34

Table		Page

22	Expanded Statewide Summary of Crossbow Deer (Doe) Hunting in Virginia During the 2013-2014 Hunting Season	35
23	Expanded Statewide Summary of Muzzleloader Deer (Buck and Doe) Hunting in Virginia During the 2013-2014 Hunting Season	36
24	Expanded Statewide Summary of Muzzleloader Deer (Buck) Hunting in Virginia During the 2013-2014 Hunting Season	37
25	Expanded Statewide Summary of Muzzleloader Deer (Doe) Hunting in Virginia During the 2013-2014 Hunting Season	38
26	Expanded Statewide Summary of Gun Deer (Buck and Doe) Hunting in Virginia During the 2013-2014 Hunting Season	39
27	Expanded Statewide Summary of Gun Deer (Buck) Hunting in Virginia During the 2013-2014 Hunting Season	40
28	Expanded Statewide Summary of Gun Deer (Doe) Hunting in Virginia During the 2013-2014 Hunting Season	41
29	Expanded Statewide Summary of Total Deer Hunting in Virginia During the 2013-2014 Hunting Season	42
30	Expanded Statewide Summary of Total Deer (Buck) Hunting in Virginia During the 2013-2014 Hunting Season	43
31	Expanded Statewide Summary of Total Deer (Doe) Hunting in Virginia During the 2013-2014 Hunting Season	44
32	Expanded Statewide Summary of Spring Turkey Hunting in Virginia During the 2013-2014 Hunting Season	45
33	Expanded Statewide Summary of Spring Turkey (Rifle) Hunting in Virginia During the 2013-2014 Hunting Season	46
34	Expanded Statewide Summary of Spring Turkey (Shotgun) Hunting in Virginia During the 2013-2014 Hunting Season	47
35	Expanded Statewide Summary of Fall Turkey Hunting in Virginia During the 2013-2014 Hunting Season	48
36	Expanded Statewide Summary of Fall Turkey (Rifle) Hunting in Virginia During the 2013-2014 Hunting Season	49
37	Expanded Statewide Summary of Fall Turkey (Shotgun) Hunting in Virginia During the 2013-2014 Hunting Season	50
38	Expanded Statewide Summary of Total Turkey Hunting in Virginia During the 2013-2014 Hunting Season	51
39	Expanded Statewide Summary of Bear Hunting in Virginia During the 2013-2014 Hunting Season	52
40	Expanded Statewide Summary of Total Duck (All Species) Hunting in Virginia During the 2013-2014 Hunting Season	53
41	Expanded Statewide Summary of Total Goose Hunting in Virginia During the 2013-2014 Hunting Season	54
42	Expanded Statewide Summary of Red Fox Hunting in Virginia During the 2013-2014 Hunting Season	55
43	Expanded Statewide Summary of Gray Fox Hunting in Virginia During the 2013-2014 Hunting Season	56

Table		Page

44	Expanded Statewide Summary of Coyote Hunting in Virginia During the 2013-2014 Hunting Season	57
45	Expanded Statewide Summary of Raccoon Hunting in Virginia During the 2013-2014 Hunting Season	58
46	Expanded Statewide Summary of Bobcat Hunting in Virginia During the 2013-2014 Hunting Season	59
47	Indicate the level of importance you place on hunting the following species	60
48	Did you take a youth hunting on the designated day for the following species	61
49	If you did not take a youth hunting on one of the designated says, please indicate the reasons from the list below	61
50	Indicate the number of days spent during the 2013-2014 hunting season on each of these types of land	62
51	During the 2013-2014 season were you involved in any type of conflict with other hunters/hunter groups	62
52	During the 2013-2014 season were you involved in any type of conflict with any landowners	62
53	Do you hunt in or near a food plot	62
54	Have you ever killed a bear in Virginia	62
55	If you have the opportunity to harvest a bear, would you	62
56	Please indicate the county where you most often hunted DEER during the 2013-2014 season	63
57	How would you rate the size of the deer herd in the area you hunted deer the most in the 2013-2014 season	63
58	What advice would you give to VDGIF regarding how to manage the deer herd	64
59	When compared to previous years, would you say the number of deer in the area you hunted in 2013-2014	64
60	Overall how would you rate the quality of the following DEER season during 2013-2014	65
61	In the area where you hunt DEER the most, how would you change the number of DOE DAYS	66
62	How often do you hunt from an elevated stand	66
63	When hunting from an elevated tree stand, how often do you use a safety harness	66
64	Please indicate the degree to which you would support or oppose a requirement for the use of a safety harness when hunting from an elevated tree stand on the following types of land	67
65	Please indicate the degree to which you would support or oppose the following options for the placement of either-sex days during the general firearms season	67
66	How often do you use lures or attractants while hunting deer	68

Table		Page

67	If you use lures or attractants while hunting deer, what kind do you use most often	68
68	Please indicate the degree to which you would oppose or support a ban on the use of lures or attractants made from natural deer products	68
69	Was there any occasion during the 2013-2014 hunting season when you ‘passed up’ a deer	69
70	Please indicate the number of deer in each category below that you ‘passed up	69
71	Please check the statement(s) that best describe why you ‘passed up’ one or more deer	69
72	Please indicate to what extent you would oppose or support adding more apprentice and youth days during the season	70
73	Did you participate in the deer apprentice and youth day this past hunting season	70
74	Did you participate in the 2013-2014 bear chase season	71
75	If you use harvest a black bear during the 2013-2014 hunting season, did you harvest it while	71
76	Please indicate the number of days you hunted specifically for bear during the 2013-2014 season in the following categories	71
77	If you harvested a black bear during the 2013-2014 hunting season while hunting for other game, when did you harvest it	72
78	If you harvested a black bear during the 2013-2014 hunting season what did you do with the carcass	72
79	If you did not harvest a bear during the 2013-2014 season what do you feel was the primary reason	72
80	During the 2013-2014 season, was there an instance where you believe you injured a bear you were hunting, but were unable to find the animal	73
81	How would you rate the importance of hunting bear against other species	73
82	Please indicate the degree to which you would support or oppose starting an early bear season prior to bear archery season that would be open to all types of hunting methods	73
83	Please indicate the county where you most often hunted Fall Turkey during 2013	74
84	Please indicate the county where you most often hunted Spring Turkey during 2014	74
85	Overall how would you rate the quality of your Fall and Spring Turkey Season	75
86	If you hunt turkeys on National Forest land do you believe TURKEY populations on those lands are	75
87	Please indicate how essential the following attributes are to an excellent (FALL) turkey season	76
88	Please indicate how essential the following attributes are to an excellent (SPRING) turkey season	77
89	How would you describe your interest in Quail hunting	78

Table		Page

90	Please indicate the degree to which you would support or oppose closing the season for quail west of the Blue Ridge	78
91	How would you describe the places where you hunted quail during the 2013-2014 season	78
92	How much do you spend annually on hunting upland game birds	78
93	Are you aware of Virginia's Quail Recovery Initiative	78
94	Please indicate the number of days you spent squirrel hunting during the following months	79
95	If you hunted during the 2014 Spring Squirrel season, how would you rate the quality of the experience	79
96	Please indicate the degree tow which you would support or oppose continuing the Spring Squirrel season	79
97	Please indicate the number of days you spent rabbit hunting during the following months	80
98	Do you have access to the internet from your home	81
99	How old are you	81
100	Are you male or female	81
101	Please indicate the county or independent city where you reside in	81
	Virginia	81

List of Figures

Figure		Page

1	Five Hunting Regions of Virginia	12

Introduction

The purpose of this study is to:

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

The Virginia Department of Game and Inland Fisheries (VDGIF) has primary responsibility for managing the Commonwealth of Virginia's fish and wildlife resources. Agency staff depends upon accurate population indices to monitor the health of wildlife species. Additionally, biologists and managers make decision that affect hunters across the state. A survey of the statewide hunter population provides agency staff with information and data about general hunter preferences, views on season lengths and bag limits, and behaviors and potential constraints.

This is the 23rd survey of Virginia hunters conducted by VDGIF since the program's inception during the 1965-1966 hunting season. These surveys provide valuable cross-sectional and longitudinal information to biologists and managers throughout Virginia. Game harvest indices are used for monitoring changes in harvest and hunter effort across the seasons. These data, in turn, are used to regulate harvests, evaluate habitat conditions, and monitor various aspects of the socio-ecological environment (Steffen 1981). Socio-psychological questions about hunter behavior and preferences for season lengths and bag limits also provide valuable information for determining regulations that affect hunters across the Commonwealth.

Methods

A stratified random sample of 5,000 Virginia resident hunters (the sample) was drawn from the population of licensed hunters (N=191,757). The strata were: sportsman's hunting and fishing licenses, resident apprentice hunting licenses, county/city resident hunting license, and resident state hunting license. Additional sub-strata were drawn from the resident state hunting licenses for residents 65, holders of 2, 3, and 4 year resident hunting licenses, and disabled veteran hunting licenses (see Table 1). The sample, representing 2.6% of the population, was drawn from

2013-2014 licenses sold by license vendors and internet licenses sold on the VDGIF website. Name and address information was obtained from records maintained by the Administrative Services Division of the VDGIF.

The survey instrument was developed to collect harvest data for selected Virginia game and furbearing species (see Appendix A). The instrument was designed to allow the replication of data collected on an annual basis. VDGIF staff had extensive input in the development of the instrument. Game harvest data served as the core of the survey instrument, while hunter effort data, preferences for season and bag limits, and other social-psychological data were collected as well. Questions in the survey were grouped by topic and species, with questions about hunter socio-demographic characteristics placed at the end of the survey instrument. Participants were "screened" with an initial question asking them to verify that they purchased a hunting license for the 2013-2014 hunting season.

Following procedures outlined in Bourque and Fielder (2003), the initial mailing of the survey questionnaire (Appendix A) was sent to the sample of hunters in mid-June 2014. The envelope included a cover letter (Appendix B) explaining the purpose and importance of the study. Each survey envelope also included a stamped and self-addressed return envelope. Approximately two-weeks after the initial mailing, a reminder postcard (Appendix C) was sent to all survey participants who had not yet returned the questionnaire. A second (and final) letter (Appendix D) was sent to all participants who had not returned the questionnaire in mid-July, 2014.

Of the 5,000 surveys sent, only 4,862 had valid addresses. Of these, 929 usable responses were received, resulting in an effective response rate of 19.1%. This sample size and response rate results in a Margin of Error of +/- 2.9 at the 95% level of confidence. This means that no more than 1 time in 20 should chance variations in the sample cause the results to vary by more than +/- 2.9% from the answers that would be obtained if all hunters in Virginia were surveyed. All of the responses (n=929) were used in the analysis.

Results

The results of all data analysis are presented in tabular form in the pages that follow, in seven sections. The first section includes tables that reference the estimates and standard errors of harvest and effort during the 2013-2014 hunting season. The second section includes tables that examine general hunting behavior and attitudes. The third section includes tables that reference deer hunting behaviors and attitudes. The fourth section includes tables that reference bear hunting behaviors and attitudes. The fifth section includes tables that reference turkey hunting behaviors and attitudes. The sixth section includes tables that reference quail, squirrel, and rabbit hunting behaviors and attitudes. The seventh section includes demographic characteristics of respondents to this survey. It is important to note that table columns and rows may not always sum to 100 due to rounding. Virginia's five hunting regions (see Figure 1 below) are referenced in the tables by numbers 1-5, where 1 refers to the Tidewater region, 2 refers to the Southern Piedmont region, 3 refers to the Southern Mountain region, 4 refers to the Northern Mountain region, and 5 refers to the Northern Piedmont region.

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Table 1: 2013-2014 Hunting Population and Survey Sample Statistics

License Type	Population	Sample Count	Percent of Sample
Sportsman's Hunting and Fishing	5,805	151	3.2%
Residential Apprentice Hunting	5,857	153	3.3%
County/City Resident Hunting	7,388	193	3.8%
Resident State Hunting	163,227	4,256	85.2%
Resident 65 and Older Hunting	8,299	216	4.4%
Resident State Hunting – 2 Years	674	18	.004%
Resident State Hunting – 3 Years	121	3	<.001%
Resident State Hunting – 4 years	299	8	.002%
Resident Disabled Veteran Hunting	87	2	<.001%
Totals	191,757	5,000	100%

Figure 1: Five Hunting Regions of Virginia

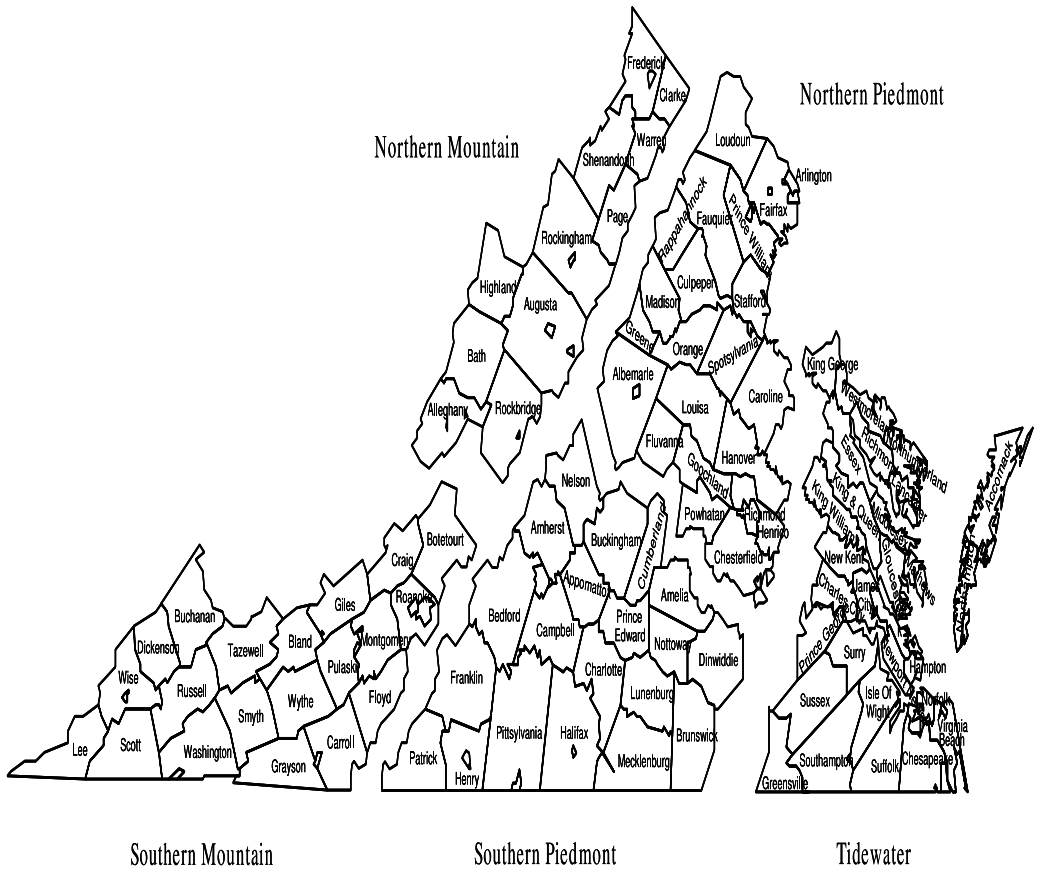

Figure 1. Geographic regions used for analyses in this report.

NOTES

1. All statistics in this report should be treated as indices of harvest and effort, and not absolute totals, especially when comparing the results reported here with other studies. This is not a report of census result, but rather a report of survey results, and thus any characterization of the topline results should note the margin of sampling error of the whole survey, which is +/- 2.9 at the 95% level of confidence.

2. Statistics for Average Daily Kill, Average Seasonal Harvest, Percent Successful Hunters, Average Seasonal Days Hunting, Total Hunters, and Percent of Total Licenses/Hunters Per Region were calculated using data only from those hunters who reported specifically hunting for that game animal.

3. Percentages may not always equal 100 due to rounding or missing values.

4. Parenthetical notations displayed immediately following a table titles on tables 47 to 101 refer to the specific question number(s) in the survey instrument.

Section 1: Estimates and standard errors of harvest and effort

Table 2. Expanded Statewide Summary of Game Harvest Based on the 2013-2014 Survey of Virginia Hunters.

SPECIES	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT TOTAL LICENSES
Dove	521810	4.40	16.71	84.10	98871	3.80	26008	13.60
Quail	172148	3.42	20.29	64.70	41695	5.94	7018	3.70
Wild Quail	31787	0.26	1.26	30.40	22912	4.83	4747	2.50
Pen-Raised Quail	140360	7.26	41.31	100.00	18784	5.69	3303	1.70
Woodcock	6399	0.65	2.80	80.00	8876	4.30	2064	1.10
Ruffed Grouse	5780	0.33	0.88	42.30	14242	2.65	5367	2.80
Crow	116623	1.92	9.50	85.20	55112	4.94	11146	5.80
Rabbit	215288	1.06	6.95	77.30	190312	6.54	29104	15.20
Gray Squirrel	469382	1.37	8.29	81.80	302600	6.06	49952	26.00
Fox Squirrel	79675	0.64	3.60	59.00	90202	5.60	16100	8.40
Red Squirrel	5573	0.27	1.53	40.00	17751	5.73	3096	1.60
Total Squirrel	554630	1.21	9.47	80.60	410554	7.86	52222	27.20
Groundhog	145727	0.62	7.42	85.90	194440	12.08	16100	8.40
Archery Deer (Buck and Doe)	36122	0.06	0.59	28.50	510664	10.35	49333	25.70
Archery Deer (Buck)	17958	0.03	0.30	15.90	510664	10.35	49333	25.70
Archery Deer (Doe)	18164	0.03	0.29	20.50	510664	10.35	49333	25.70
Crossbow Deer (Buck and Doe)	21054	0.05	0.55	35.50	360396	10.52	34264	17.90
Crossbow Deer (Buck)	6812	0.01	0.15	15.10	360396	10.52	34264	17.90
Crossbow Deer (Doe)	14242	0.04	0.40	25.30	360396	10.52	34264	17.90
Muzzleloader Deer (Buck and Doe)	59447	0.08	0.60	40.20	704691	7.62	92473	48.20
Muzzleloader Deer (Buck)	31994	0.04	0.33	28.30	704691	7.62	92473	48.20
Muzzleloader Deer (Doe)	27453	0.04	0.27	19.60	704691	7.62	92473	48.20
Gun Deer (Buck and Doe)	175244	0.10	1.14	55.90	1640978	11.21	146346	76.30
Gun Deer (Buck)	74721	0.04	0.48	36.10	1640978	11.21	146346	76.30
Gun Deer (Doe)	100523	0.06	0.66	38.60	1640978	11.21	146346	76.30
Total Deer	291867	0.09	1.76	64.20	3216729	20.24	158937	82.90
Total Deer (Buck)	131485	0.04	0.80	49.50	3216729	20.24	158937	82.90
Total Deer (Doe)	160382	0.05	0.96	46.20	3216729	20.24	158937	82.90
Spring Turkey 2014	26834	0.07	0.46	30.20	329228	6.25	52635	27.40
Spring Turkey (Rifle)	1651	0.05	0.26	16.10	34264	5.35	6399	3.30
Spring Turkey (Shotgun)	25182	0.08	0.45	29.50	294963	5.93	49745	25.90
Fall Turkey 2013	9908	0.03	0.16	13.50	174212	4.94	35296	18.40
Fall Turkey (Rifle)	3715	0.03	0.13	12.70	75134	5.13	14655	7.60
Fall Turkey (Shotgun)	6192	0.04	0.14	11.30	99078	3.87	25595	13.30
Total Turkey	36741	0.06	0.44	28.40	503440	7.28	69148	36.10
Bear	3096	0.02	0.12	10.70	131278	7.57	17339	9.00
Total Duck (All Species)	205174	1.27	11.26	84.10	150268	8.88	16926	8.80
Total Goose	101348	0.99	6.35	72.20	94950	6.39	14862	7.80
Red Fox	3922	0.05	0.35	25.00	62543	7.58	8256	4.30
Gray Fox	8050	0.05	0.46	25.60	71006	8.82	8050	4.20
Coyote	22705	0.11	1.04	38.90	176276	9.49	18577	9.70
Raccoon	72657	0.47	9.63	68.60	149236	20.66	7224	3.80
Bobcat	3509	0.01	0.05	4.80	34677	8.00	4335	2.30

Table 3. Expanded Statewide Estimates of Total Harvest (With Standard Errors) for Virginia Game Species during the 2013-2014 Hunting Season.

SPECIES	TOTAL HARVEST	STANDARD ERROR SE	AS % OF TOTAL *	95% CONFIDENCE INTERVAL LOWER LIMIT	UPPER LIMIT
Dove	521810	62508	11.98	399294	644326
Quail	172148	64755	37.62	45228	299068
Wild Quail	31787	17073	53.71	0	65250
Pen-Raised Quail	140360	62218	44.33	18413	262307
Woodcock	6399	3330	52.04	0	12926
Ruffed Grouse	5780	1814	31.38	2225	9335
Crow	116623	24528	21.03	68548	164698
Rabbit	215288	40869	18.98	135185	295391
Gray Squirrel	469382	46847	9.98	377562	561202
Fox Squirrel	79675	18228	22.88	43948	115402
Red Squirrel	5573	2463	44.2	746	10400
Total Squirrel	554630	57726	10.41	441487	667773
Groundhog	145727	30399	20.86	86145	205309
Archery Deer (Buck and Doe)	36122	7366	20.39	21685	50559
Archery Deer (Buck)	17958	6547	36.46	5126	30790
Archery Deer (Doe)	18164	2577	14.19	13113	23215
Crossbow Deer (Buck and Doe)	21054	3138	14.9	14904	27204
Crossbow Deer (Buck)	6812	1458	21.4	3954	9670
Crossbow Deer (Doe)	14242	2425	17.03	9489	18995
Muzzleloader Deer (Buck and Doe)	59447	4547	7.65	50535	68359
Muzzleloader Deer (Buck)	31994	2764	8.64	26577	37411
Muzzleloader Deer (Doe)	27453	3132	11.41	21314	33592
Gun Deer (Buck and Doe)	175244	8857	5.05	157884	192604
Gun Deer (Buck)	74721	4317	5.78	66260	83182
Gun Deer (Doe)	100523	6799	6.76	87197	113849
Total Deer	291867	15394	5.27	261695	322039
Total Deer (Buck)	131485	8650	6.58	114531	148439
Total Deer (Doe)	160382	9160	5.71	142428	178336
Spring Turkey 2014	26834	3405	12.69	20160	33508
Spring Turkey (Rifle)	1651	824	49.91	36	3266
Spring Turkey (Shotgun)	25182	3317	13.17	18681	31683
Fall Turkey 2013	9908	2314	23.35	5373	14443
Fall Turkey (Rifle)	3715	1125	30.28	1510	5920
Fall Turkey (Shotgun)	6192	2013	32.51	2247	10137
Total Turkey	36741	4781	13.01	27370	46112
Bear	3096	845	27.29	1440	4752
Total Duck (All Species)	205174	31256	15.23	143912	266436
Total Goose	101348	19869	19.6	62405	140291
Red Fox	3922	1215	30.98	1541	6303
Gray Fox	8050	3937	48.91	333	15767
Coyote	22705	4900	21.58	13101	32309
Raccoon	72657	26510	36.49	20697	124617
Bobcat	3509	3109	88.6	0	9603

* % = 100(SE/Total harvest)

Table 4. Expanded Statewide Summary of Dove Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	184632	5.627	24.6	80	32064	4.37	7335	31.3
1	(SE)	48626	1.191	5.29	6.9	8291	0.88	1217	4.4
	N	915	35	35	35	915	35	915	112
	ESTIMATE	100384	5.639	12.69	84.4	15089	2.25	6706	28.6
2	(SE)	21015	0.799	1.92	6.5	2968	0.21	1165	4.3
	N	915	32	32	32	915	32	915	112
	ESTIMATE	30597	5.6	20	100	5239	3.57	1467	6.3
3	(SE)	13983	1.065	6.24	0	2319	0.9	553	2.3
	N	915	7	7	7	915	7	915	112
	ESTIMATE	52812	2.95	19.67	88.9	12574	6.67	1886	8
4	(SE)	21995	1.343	5.23	11.1	5346	1.88	626	2.6
	N	915	9	9	9	915	9	915	112
	ESTIMATE	84247	2.756	12.45	86.2	27454	4.52	6078	25.9
5	(SE)	19803	0.826	1.92	6.5	8867	1.22	1111	4.2
	N	915	29	29	29	915	29	915	112
	ESTIMATE	521810	4.397	16.71	84.1	98871	3.8	26008	13.6
Statewide	(SE)	62508	0.554	1.76	3.3	13505	0.41	2155	1.1
	N	929	126	126	126	929	126	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 5. Expanded Statewide Summary of Quail Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	172148	3.416	20.29	64.7	41695	5.94	7018	3.7
Statewide	(SE)	64755	1	8.3	8.3	13127	1.6	1182	0.6
	N	929	34	34	34	929	34	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 6. Expanded Statewide Summary of Wild Quail Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	8707	1	3	75	2488	3	829	21.1
1	(SE)	6380	0.272	1	25	1309	0.58	414	9.6
	N	925	4	4	4	925	4	925	19
	ESTIMATE	3939	0.333	1.83	33.3	6841	5.5	1244	31.6
2	(SE)	2661	0.083	1.64	21.1	5071	3.73	506	11
	N	925	6	6	6	925	6	925	19
	ESTIMATE	622	0.25	1.5	50	2488	6	415	10.5
3	(SE)	622	0.083	1.5	50	2114	4	293	7.2
	N	925	2	2	2	925	2	925	19
	ESTIMATE	0	0	0	0	6841	16.5	415	10.5
4	(SE)	0	0	0	0	6637	15.5	293	7.2
	N	925	2	2	2	925	2	925	19
	ESTIMATE	0	0	0	0	3317	3.2	1037	26.3
5	(SE)	0	0	0	0	2173	1.71	463	10.4
	N	925	5	5	5	925	5	925	19
	ESTIMATE	31787	0.261	1.26	30.4	22912	4.83	4747	2.5
Statewide	(SE)	17073	0.105	0.51	9.8	8935	1.63	978	0.5
	N	929	23	23	23	929	23	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 7. Expanded Statewide Summary of Pen-Raised Quail Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	7264	10	20	100	415	2	208	9.1
1	(SE)	5186				415		208	9.1
	N	924	1	1	1	924	1	924	11
	ESTIMATE	31544	8.444	30.4	100	3736	3.6	1038	45.5
2	(SE)	21658	1.441	17.72	0	2252	1.63	463	15.7
	N	924	5	5	5	924	5	924	11
	ESTIMATE	2490	12	12	100	208	1	208	9.1
3	(SE)	2490				208		208	9.1
	N	924	1	1	1	924	1	924	11
	ESTIMATE	623	3	3	100	208	1	208	9.1
4	(SE)	623				208		208	9.1
	N	924	1	1	1	924	1	924	11
	ESTIMATE	66202	7.5	105	100	8716	14	623	27.3
5	(SE)	51310	1.02	68.41	0	6474	8.02	359	14.1
	N	924	3	3	3	924	3	924	11
	ESTIMATE	140360	7.264	41.31	100	18784	5.69	3303	1.7
Statewide	(SE)	62218	0.627	16.29	0	8110	2.08	819	0.4
	N	929	16	16	16	929	16	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 8. Expanded Statewide Summary of Woodcock Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	621	0.6	3	100	1034	5	207	12.5
1	(SE)	621				1034		207	12.5
	N	927	1	1	1	927	1	927	8
	ESTIMATE	3930	0.731	6.33	100	5378	8.67	621	37.5
2	(SE)	3157	0.146	4.33	0	4973	7.67	358	18.3
	N	927	3	3	3	927	3	927	8
	ESTIMATE	207	1	1	100	207	1	207	12.5
3	(SE)	207				207		207	12.5
	N	927	1	1	1	927	1	927	8
	ESTIMATE	0				0		0	0
4	(SE)	0				0		0	0
	N	927				927		927	8
	ESTIMATE	207	0.333	0.33	33.3	621	1	621	37.5
5	(SE)	207	0.333	0.33	33.3	358	0	358	18.3
	N	927	3	3	3	927	3	927	8
	ESTIMATE	6399	0.651	2.8	80	8876	4.3	2064	1.1
Statewide	(SE)	3330	0.075	1.39	13.3	5245	2.27	650	0.3
	N	929	10	10	10	929	10	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 9. Expanded Statewide Summary of Ruffed Grouse Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	0				0		0	0
1	(SE)	0				0		0	0
	N	926				926		926	23
	ESTIMATE	0	0	0	0	828	4	207	4.3
2	(SE)	0				828		207	4.3
	N	926	1	1	1	926	1	926	23
	ESTIMATE	1035	0.161	0.45	27.3	6420	2.82	2278	47.8
3	(SE)	686	0.115	0.28	14.1	2669	0.85	683	10.6
	N	926	11	11	11	926	11	926	23
	ESTIMATE	2692	0.364	0.89	44.4	4556	2.44	1864	39.1
4	(SE)	1150	0.154	0.45	17.6	1727	0.47	619	10.4
	N	926	9	9	9	926	9	926	23
	ESTIMATE	414	0.25	1	100	1657	4	414	8.7
5	(SE)	293	0	0	0	1171	0	293	6
	N	926	2	2	2	926	2	926	23
	ESTIMATE	5780	0.333	0.88	42.3	14242	2.65	5367	2.8
Statewide	(SE)	1814	0.118	0.27	9.9	3492	0.41	1038	0.5
	N	929	26	26	26	929	26	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 10. Expanded Statewide Summary of Crow Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	20196	2.385	7.75	83.3	8120	3.25	2498	26.1
1	(SE)	7061	0.642	1.79	11.2	2985	0.78	717	6.5
	N	921	12	12	12	921	12	921	46
	ESTIMATE	34146	3.477	11.77	92.3	9161	3.38	2707	28.3
2	(SE)	16515	1.081	5.34	7.7	3089	0.68	746	6.7
	N	921	13	13	13	921	13	921	46
	ESTIMATE	16240	1.206	10.86	100	13117	9	1457	15.2
3	(SE)	9012	0.773	5	0	8923	5.5	549	5.4
	N	921	7	7	7	921	7	921	46
	ESTIMATE	4164	1.25	5	50	1666	4	416	4.3
4	(SE)	2943	0.938	5	50	1213	1	294	3
	N	921	2	2	2	921	2	921	46
	ESTIMATE	32896	1.591	12.33	100	19363	7.75	2498	26.1
5	(SE)	13366	0.327	4.1	0	8019	2.42	717	6.5
	N	921	12	12	12	921	12	921	46
	ESTIMATE	116623	1.921	9.5	85.2	55112	4.94	11146	5.8
Statewide	(SE)	24528	0.374	1.79	4.9	12738	0.95	1473	0.8
	N	929	54	54	54	929	54	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 11. Expanded Statewide Summary of Rabbit Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
1	ESTIMATE	24600	0.571	3.63	68.8	42683	6.34	6728	25.8
	(SE)	8099	0.21	1.04	8.3	14822	1.94	1169	3.9
	N	912	32	32	32	912	32	912	124
2	ESTIMATE	96089	1.409	10.93	85.4	66863	7.76	8621	33.1
	(SE)	34419	0.173	3.67	5.6	20134	2.04	1316	4.2
	N	912	41	41	41	912	41	912	124
3	ESTIMATE	27124	1.347	8.53	86.7	19975	6.33	3154	12.1
	(SE)	12777	0.546	3.53	9.1	8140	2.08	808	2.9
	N	912	15	15	15	912	15	912	124
4	ESTIMATE	14718	0.909	7	70	16190	7.7	2103	8.1
	(SE)	9774	0.431	4.31	15.3	7123	2.49	662	2.5
	N	912	10	10	10	912	10	912	124
5	ESTIMATE	31960	1.104	4.5	80.8	22288	4.08	5467	21
	(SE)	10733	0.406	1.56	7.9	7127	1.06	1057	3.7
	N	912	26	26	26	912	26	912	124
Statewide	ESTIMATE	215288	1.063	6.95	77.3	190312	6.54	29104	15.2
	(SE)	40869	0.14	1.29	3.5	28674	0.85	2259	1.2
	N	929	141	141	141	929	141	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 12. Expanded Statewide Summary of Gray Squirrel Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	41288	0.85	6.45	75.9	46822	7.59	6172	13.6
1	(SE)	10817	0.277	1.3	8.1	15904	2.21	1128	2.3
	N	901	29	29	29	901	29	901	214
	ESTIMATE	116629	1.548	9.23	85.7	71084	5.96	11918	26.2
2	(SE)	30296	0.295	2.25	4.7	19960	1.5	1543	3
	N	901	56	56	56	901	56	901	214
	ESTIMATE	77256	1.388	7.54	82.6	53207	5.43	9790	21.5
3	(SE)	15799	0.201	1.19	5.7	10116	0.68	1407	2.8
	N	901	46	46	46	901	46	901	214
	ESTIMATE	97262	1.218	8	81.8	61507	6.57	9364	20.6
4	(SE)	23139	0.179	1.46	5.9	14042	1.16	1378	2.8
	N	901	44	44	44	901	44	901	214
	ESTIMATE	107052	1.694	11.21	87.2	54909	6.62	8300	18.2
5	(SE)	24404	0.28	2	5.4	14090	1.36	1301	2.6
	N	901	39	39	39	901	39	901	214
	ESTIMATE	469382	1.368	8.29	81.8	302600	6.06	49952	26
Statewide	(SE)	46847	0.114	0.74	2.5	32268	0.55	2763	1.4
	N	929	242	242	242	929	242	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 13. Expanded Statewide Summary of Fox Squirrel Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	626	1	3	100	626	3	209	1.5
1	(SE)	626				626		209	1.5
	N	919	1	1	1	919	1	919	68
	ESTIMATE	7512	1.029	7.2	80	7303	7	1043	7.4
2	(SE)	4422	0.55	3.09	20	3491	1.34	466	3.2
	N	919	5	5	5	919	5	919	68
	ESTIMATE	21492	0.509	2.63	59.4	34429	5.16	6677	47.1
3	(SE)	5458	0.096	0.6	8.8	8438	0.9	1160	6.1
	N	919	32	32	32	919	32	919	68
	ESTIMATE	42775	0.832	5.56	72	34846	6.68	5216	36.8
4	(SE)	16903	0.248	2.52	9.2	11333	1.76	1030	5.9
	N	919	25	25	25	919	25	919	68
	ESTIMATE	2087	1.111	2	20	1878	1.8	1043	7.4
5	(SE)	2087	0.617	2	20	1123	0.8	466	3.2
	N	919	5	5	5	919	5	919	68
	ESTIMATE	79675	0.643	3.6	59	90202	5.6	16100	8.4
Statewide	(SE)	18228	0.122	0.89	5.6	15229	0.73	1746	0.9
	N	929	78	78	78	929	78	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 14. Expanded Statewide Summary of Red Squirrel Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	0	0	0	0	1038	5	208	10
1	(SE)	0				1038		208	10
	N	924	1	1	1	924	1	924	10
	ESTIMATE	2905	1.167	7	100	2490	6	415	20
2	(SE)	2234	1.278	3	0	2116	4	293	13.3
	N	924	2	2	2	924	2	924	10
	ESTIMATE	415	0	0	0	2698	6.5	415	20
3	(SE)	415	0	0	0	1912	0.5	293	13.3
	N	924	2	2	2	924	2	924	10
	ESTIMATE	830	0.333	1	50	2490	3	830	40
4	(SE)	587	0.29	0.58	28.9	1579	1.35	414	16.3
	N	924	4	4	4	924	4	924	10
	ESTIMATE	0	0	0	0	208	1	208	10
5	(SE)	0				208		208	10
	N	924	1	1	1	924	1	924	10
	ESTIMATE	5573	0.267	1.53	40	17751	5.73	3096	1.6
Statewide	(SE)	2463	0.149	0.7	13.1	5964	1.29	793	0.4
	N	929	15	15	15	929	15	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 15. Expanded Statewide Summary of Total Squirrel Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
Statewide	ESTIMATE	554630	1.205	9.47	80.6	410554	7.86	52222	27.2
	(SE)	57726	0.093	0.87	2.5	41946	0.68	2802	1.5
	N	929	253	253	253	929	253	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 16. Expanded Statewide Summary of Groundhog Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	26493	0.991	8.29	100	24600	8.36	2944	23
1	(SE)	8599	0.173	1.94	0	8970	2.17	781	5.4
	N	912	14	14	14	912	14	912	61
	ESTIMATE	11144	0.556	3.46	92.3	17031	6.23	2733	21.3
2	(SE)	3607	0.238	0.7	7.7	7335	2.15	753	5.3
	N	912	13	13	13	912	13	912	61
	ESTIMATE	24180	0.944	6	78.6	18713	6.36	2944	23
3	(SE)	7856	0.394	1.96	11.4	6889	1.68	781	5.4
	N	912	14	14	14	912	14	912	61
	ESTIMATE	29857	0.207	9.4	90	95668	45.5	2103	16.4
4	(SE)	9840	0.143	2.57	10	77081	35.55	662	4.8
	N	912	10	10	10	912	10	912	61
	ESTIMATE	11564	0.98	5	90	10723	5.1	2103	16.4
5	(SE)	6524	0.28	2.8	10	4997	1.85	662	4.8
	N	912	10	10	10	912	10	912	61
	ESTIMATE	145727	0.615	7.42	85.9	194440	12.08	16100	8.4
Statewide	(SE)	30399	0.253	1.67	4	77578	4.66	1746	0.9
	N	929	78	78	78	929	78	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 17. Expanded Statewide Summary of Archery Deer (Buck and Doe) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	9111	0.109	1.21	21.2	77762	11.12	6992	15.3
1	(SE)	6455	0.083	0.91	7.2	16634	1.45	1195	2.5
	N	905	33	33	33	905	33	905	215
	ESTIMATE	4450	0.055	0.49	27.9	81576	8.95	9111	20
2	(SE)	1649	0.017	0.17	6.9	14368	0.85	1357	2.7
	N	905	43	43	43	905	43	905	215
	ESTIMATE	6780	0.045	0.58	34.9	117385	12.88	9111	20
3	(SE)	1883	0.01	0.14	7.4	22656	1.6	1357	2.7
	N	905	43	43	43	905	43	905	215
	ESTIMATE	4238	0.048	0.58	39.4	84543	12.09	6992	15.3
4	(SE)	1228	0.013	0.14	8.6	17336	1.39	1195	2.5
	N	905	33	33	33	905	33	905	215
	ESTIMATE	7204	0.06	0.54	30.2	119716	8.97	13349	29.3
5	(SE)	1881	0.012	0.13	5.8	18178	0.82	1623	3.1
	N	905	63	63	63	905	63	905	215
	ESTIMATE	36122	0.057	0.59	28.5	510664	10.35	49333	25.7
Statewide	(SE)	7366	0.013	0.14	2.9	39091	0.54	2752	1.4
	N	929	239	239	239	929	239	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 18. Expanded Statewide Summary of Archery Deer (Buck) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	7416	0.093	1.03	15.2	77762	11.12	6992	15.3
1	(SE)	6373	0.083	0.91	6.3	16634	1.45	1195	2.5
	N	905	33	33	33	905	33	905	215
	ESTIMATE	2331	0.029	0.26	18.6	81576	8.95	9111	20
2	(SE)	871	0.009	0.09	6	14368	0.85	1357	2.7
	N	905	43	43	43	905	43	905	215
	ESTIMATE	2119	0.014	0.19	18.6	117385	12.88	9111	20
3	(SE)	731	0.005	0.06	6	22656	1.6	1357	2.7
	N	905	43	43	43	905	43	905	215
	ESTIMATE	1271	0.015	0.18	18.2	84543	12.09	6992	15.3
4	(SE)	518	0.006	0.07	6.8	17336	1.39	1195	2.5
	N	905	33	33	33	905	33	905	215
	ESTIMATE	2755	0.023	0.21	17.5	119716	8.97	13349	29.3
5	(SE)	869	0.006	0.06	4.8	18178	0.82	1623	3.1
	N	905	63	63	63	905	63	905	215
	ESTIMATE	17958	0.029	0.3	15.9	510664	10.35	49333	25.7
Statewide	(SE)	6547	0.012	0.13	2.4	39091	0.54	2752	1.4
	N	929	239	239	239	929	239	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 19. Expanded Statewide Summary of Archery Deer (Doe) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	1695	0.016	0.18	12.1	77762	11.12	6992	15.3
1	(SE)	791	0.008	0.09	5.8	16634	1.45	1195	2.5
	N	905	33	33	33	905	33	905	215
	ESTIMATE	2119	0.026	0.23	16.3	81576	8.95	9111	20
2	(SE)	992	0.011	0.1	5.7	14368	0.85	1357	2.7
	N	905	43	43	43	905	43	905	215
	ESTIMATE	4661	0.031	0.4	27.9	117385	12.88	9111	20
3	(SE)	1429	0.009	0.12	6.9	22656	1.6	1357	2.7
	N	905	43	43	43	905	43	905	215
	ESTIMATE	2966	0.033	0.39	30.3	84543	12.09	6992	15.3
4	(SE)	943	0.01	0.11	8.1	17336	1.39	1195	2.5
	N	905	33	33	33	905	33	905	215
	ESTIMATE	4450	0.037	0.33	22.2	119716	8.97	13349	29.3
5	(SE)	1316	0.009	0.09	5.3	18178	0.82	1623	3.1
	N	905	63	63	63	905	63	905	215
	ESTIMATE	18164	0.028	0.29	20.5	510664	10.35	49333	25.7
Statewide	(SE)	2577	0.004	0.04	2.6	39091	0.54	2752	1.4
	N	929	239	239	239	929	239	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 20. Expanded Statewide Summary of Crossbow Deer (Buck and Doe) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
1	ESTIMATE	3364	0.042	0.55	31	80109	13.14	6098	19.5
	(SE)	1391	0.01	0.21	8.7	26098	3.6	1115	3.3
	N	912	29	29	29	912	29	912	149
2	ESTIMATE	1682	0.029	0.26	22.6	58663	9	6518	20.8
	(SE)	663	0.011	0.09	7.6	14215	1.52	1151	3.3
	N	912	31	31	31	912	31	912	149
3	ESTIMATE	4415	0.059	0.62	44.1	74853	10.47	7149	22.8
	(SE)	1271	0.015	0.15	8.6	15809	1.35	1204	3.4
	N	912	34	34	34	912	34	912	149
4	ESTIMATE	2103	0.063	0.63	25	33221	9.88	3364	10.7
	(SE)	1150	0.028	0.31	11.2	10708	2.1	834	2.5
	N	912	16	16	16	912	16	912	149
5	ESTIMATE	9251	0.076	0.87	56.4	93566	11.41	8200	26.2
	(SE)	2265	0.016	0.16	8	25058	2.51	1285	3.6
	N	912	39	39	39	912	39	912	149
Statewide	ESTIMATE	21054	0.052	0.55	35.5	360396	10.52	34264	17.9
	(SE)	3138	0.006	0.07	3.7	42032	0.98	2411	1.3
	N	929	166	166	166	929	166	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 21. Expanded Statewide Summary of Crossbow Deer (Buck) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	1051	0.013	0.17	17.2	80109	13.14	6098	19.5
1	(SE)	469	0.005	0.07	7.1	26098	3.6	1115	3.3
	N	912	29	29	29	912	29	912	149
	ESTIMATE	1051	0.018	0.16	16.1	58663	9	6518	20.8
2	(SE)	469	0.008	0.07	6.7	14215	1.52	1151	3.3
	N	912	31	31	31	912	31	912	149
	ESTIMATE	1682	0.022	0.24	23.5	74853	10.47	7149	22.8
3	(SE)	592	0.007	0.07	7.4	15809	1.35	1204	3.4
	N	912	34	34	34	912	34	912	149
	ESTIMATE	210	0.006	0.06	6.3	33221	9.88	3364	10.7
4	(SE)	210	0.006	0.06	6.3	10708	2.1	834	2.5
	N	912	16	16	16	912	16	912	149
	ESTIMATE	2523	0.011	0.13	12.8	93566	11.41	8200	26.2
5	(SE)	1149	0.004	0.05	5.4	25058	2.51	1285	3.6
	N	912	39	39	39	912	39	912	149
	ESTIMATE	6812	0.014	0.15	15.1	360396	10.52	34264	17.9
Statewide	(SE)	1458	0.003	0.03	2.8	42032	0.98	2411	1.3
	N	929	166	166	166	929	166	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 22. Expanded Statewide Summary of Crossbow Deer (Doe) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	2313	0.029	0.38	20.7	80109	13.14	6098	19.5
1	(SE)	1130	0.009	0.17	7.7	26098	3.6	1115	3.3
	N	912	29	29	29	912	29	912	149
	ESTIMATE	631	0.011	0.1	6.5	58663	9	6518	20.8
2	(SE)	470	0.008	0.07	4.5	14215	1.52	1151	3.3
	N	912	31	31	31	912	31	912	149
	ESTIMATE	2733	0.037	0.38	29.4	74853	10.47	7149	22.8
3	(SE)	960	0.012	0.12	7.9	15809	1.35	1204	3.4
	N	912	34	34	34	912	34	912	149
	ESTIMATE	1892	0.057	0.56	25	33221	9.88	3364	10.7
4	(SE)	1050	0.026	0.29	11.2	10708	2.1	834	2.5
	N	912	16	16	16	912	16	912	149
	ESTIMATE	6728	0.065	0.74	48.7	93566	11.41	8200	26.2
5	(SE)	1641	0.016	0.15	8.1	25058	2.51	1285	3.6
	N	912	39	39	39	912	39	912	149
	ESTIMATE	14242	0.038	0.4	25.3	360396	10.52	34264	17.9
Statewide	(SE)	2425	0.006	0.06	3.4	42032	0.98	2411	1.3
	N	929	166	166	166	929	166	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 23. Expanded Statewide Summary of Muzzleloader Deer (Buck and Doe) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
1	ESTIMATE	11718	0.111	0.8	53.1	98009	7.19	13636	15.3
	(SE)	2191	0.015	0.12	6.3	14454	0.62	1644	1.8
	N	900	64	64	64	900	64	900	419
2	ESTIMATE	9588	0.056	0.44	32	169811	7.74	21946	24.6
	(SE)	1793	0.009	0.07	4.6	21309	0.66	2036	2.1
	N	900	103	103	103	900	103	900	419
3	ESTIMATE	11718	0.063	0.55	38.5	169598	8.75	19389	21.7
	(SE)	2212	0.01	0.1	5.1	21813	0.72	1928	2
	N	900	91	91	91	900	91	900	419
4	ESTIMATE	8523	0.076	0.54	41.4	106958	7.17	14914	16.7
	(SE)	1682	0.012	0.09	5.9	16538	0.75	1713	1.8
	N	900	70	70	70	900	70	900	419
5	ESTIMATE	15554	0.105	0.71	40.7	132099	6.81	19389	21.7
	(SE)	2788	0.014	0.11	5.2	17278	0.58	1928	2
	N	900	91	91	91	900	91	900	419
Statewide	ESTIMATE	59447	0.078	0.6	40.2	704691	7.62	92473	48.2
	(SE)	4547	0.005	0.04	2.3	36248	0.29	3145	1.6
	N	929	448	448	448	929	448	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 24. Expanded Statewide Summary of Muzzleloader Deer (Buck) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	8309	0.083	0.59	42.2	98009	7.19	13636	15.3
1	(SE)	1723	0.015	0.1	6.2	14454	0.62	1644	1.8
	N	900	64	64	64	900	64	900	419
	ESTIMATE	5327	0.031	0.24	22.3	169811	7.74	21946	24.6
2	(SE)	1134	0.006	0.05	4.1	21309	0.66	2036	2.1
	N	900	103	103	103	900	103	900	419
	ESTIMATE	6392	0.033	0.29	27.5	169598	8.75	19389	21.7
3	(SE)	1225	0.006	0.05	4.7	21813	0.72	1928	2
	N	900	91	91	91	900	91	900	419
	ESTIMATE	4048	0.036	0.26	24.3	106958	7.17	14914	16.7
4	(SE)	968	0.008	0.06	5.2	16538	0.75	1713	1.8
	N	900	70	70	70	900	70	900	419
	ESTIMATE	6818	0.05	0.34	29.7	132099	6.81	19389	21.7
5	(SE)	1329	0.009	0.06	4.8	17278	0.58	1928	2
	N	900	91	91	91	900	91	900	419
	ESTIMATE	31994	0.043	0.33	28.3	704691	7.62	92473	48.2
Statewide	(SE)	2764	0.004	0.03	2.1	36248	0.29	3145	1.6
	N	929	448	448	448	929	448	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 25. Expanded Statewide Summary of Muzzleloader Deer (Doe) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	3409	0.028	0.2	15.6	98009	7.19	13636	15.3
1	(SE)	1162	0.01	0.07	4.6	14454	0.62	1644	1.8
	N	900	64	64	64	900	64	900	419
	ESTIMATE	4261	0.025	0.19	15.5	169811	7.74	21946	24.6
2	(SE)	1119	0.006	0.05	3.6	21309	0.66	2036	2.1
	N	900	103	103	103	900	103	900	419
	ESTIMATE	5327	0.03	0.26	16.5	169598	8.75	19389	21.7
3	(SE)	1600	0.009	0.08	3.9	21813	0.72	1928	2
	N	900	91	91	91	900	91	900	419
	ESTIMATE	4474	0.04	0.29	22.9	106958	7.17	14914	16.7
4	(SE)	1138	0.009	0.07	5.1	16538	0.75	1713	1.8
	N	900	70	70	70	900	70	900	419
	ESTIMATE	8736	0.055	0.37	27.5	132099	6.81	19389	21.7
5	(SE)	2013	0.009	0.07	4.7	17278	0.58	1928	2
	N	900	91	91	91	900	91	900	419
	ESTIMATE	27453	0.035	0.27	19.6	704691	7.62	92473	48.2
Statewide	(SE)	3132	0.004	0.03	1.9	36248	0.29	3145	1.6
	N	929	448	448	448	929	448	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 26. Expanded Statewide Summary of Gun Deer (Buck and Doe) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
1	ESTIMATE	42050	0.11	1.57	61.2	363039	14.22	25538	17.8
	(SE)	6297	0.014	0.2	4.5	38250	0.86	2209	1.5
	N	871	116	116	116	871	116	871	651
2	ESTIMATE	44031	0.089	1.15	55.9	483906	12.93	37427	26.1
	(SE)	5081	0.008	0.11	3.8	43019	0.73	2577	1.7
	N	871	170	170	170	871	170	871	651
3	ESTIMATE	27300	0.126	1.01	60.7	205407	7.97	25758	18
	(SE)	3471	0.013	0.1	4.5	20786	0.43	2217	1.5
	N	871	117	117	117	871	117	871	651
4	ESTIMATE	16292	0.088	0.77	46.8	180749	8.73	20695	14.4
	(SE)	2713	0.013	0.11	5.2	21808	0.62	2017	1.4
	N	871	94	94	94	871	94	871	651
5	ESTIMATE	41830	0.11	1.19	57.8	369204	10.89	33904	23.7
	(SE)	4948	0.011	0.12	4	39171	0.84	2480	1.7
	N	871	154	154	154	871	154	871	651
Statewide	ESTIMATE	175244	0.102	1.14	55.9	1640978	11.21	146346	76.3
	(SE)	8857	0.005	0.06	1.9	57178	0.33	2676	1.4
	N	929	709	709	709	929	709	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 27. Expanded Statewide Summary of Gun Deer (Buck) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	14971	0.04	0.57	35.3	363039	14.22	25538	17.8
1	(SE)	2499	0.006	0.08	4.5	38250	0.86	2209	1.5
	N	871	116	116	116	871	116	871	651
	ESTIMATE	21355	0.042	0.55	40	483906	12.93	37427	26.1
2	(SE)	2645	0.004	0.06	3.8	43019	0.73	2577	1.7
	N	871	170	170	170	871	170	871	651
	ESTIMATE	11888	0.054	0.43	39.3	205407	7.97	25758	18
3	(SE)	1716	0.007	0.05	4.5	20786	0.43	2217	1.5
	N	871	117	117	117	871	117	871	651
	ESTIMATE	8586	0.045	0.39	31.9	180749	8.73	20695	14.4
4	(SE)	1577	0.007	0.06	4.8	21808	0.62	2017	1.4
	N	871	94	94	94	871	94	871	651
	ESTIMATE	14971	0.04	0.44	34.4	369204	10.89	33904	23.7
5	(SE)	2166	0.005	0.06	3.8	39171	0.84	2480	1.7
	N	871	154	154	154	871	154	871	651
	ESTIMATE	74721	0.043	0.48	36.1	1640978	11.21	146346	76.3
Statewide	(SE)	4317	0.002	0.03	1.8	57178	0.33	2676	1.4
	N	929	709	709	709	929	709	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 28. Expanded Statewide Summary of Gun Deer (Doe) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	27079	0.07	1	46.6	363039	14.22	25538	17.8
1	(SE)	5230	0.013	0.18	4.7	38250	0.86	2209	1.5
	N	871	116	116	116	871	116	871	651
	ESTIMATE	22676	0.046	0.6	37.6	483906	12.93	37427	26.1
2	(SE)	3183	0.005	0.07	3.7	43019	0.73	2577	1.7
	N	871	170	170	170	871	170	871	651
	ESTIMATE	15411	0.073	0.58	39.3	205407	7.97	25758	18
3	(SE)	2457	0.01	0.08	4.5	20786	0.43	2217	1.5
	N	871	117	117	117	871	117	871	651
	ESTIMATE	7706	0.043	0.37	27.7	180749	8.73	20695	14.4
4	(SE)	1642	0.008	0.07	4.6	21808	0.62	2017	1.4
	N	871	94	94	94	871	94	871	651
	ESTIMATE	26859	0.07	0.76	42.2	369204	10.89	33904	23.7
5	(SE)	3666	0.008	0.09	4	39171	0.84	2480	1.7
	N	871	154	154	154	871	154	871	651
	ESTIMATE	100523	0.058	0.66	38.6	1640978	11.21	146346	76.3
Statewide	(SE)	6799	0.004	0.04	1.8	57178	0.33	2676	1.4
	N	929	709	709	709	929	709	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 29. Expanded Statewide Summary of Total Deer Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
Statewide	ESTIMATE	291867	0.087	1.76	64.2	3216729	20.24	158937	82.9
	(SE)	15394	0.004	0.09	1.7	107719	0.61	2371	1.2
	N	929	770	770	770	929	770	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 30. Expanded Statewide Summary of Total Deer (Buck) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
Statewide	ESTIMATE	131485	0.039	0.8	49.5	3216729	20.24	158937	82.9
	(SE)	8650	0.003	0.05	1.8	107719	0.61	2371	1.2
	N	929	770	770	770	929	770	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 31. Expanded Statewide Summary of Total Deer (Doe) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
Statewide	ESTIMATE	160382	0.048	0.96	46.2	3216729	20.24	158937	82.9
	(SE)	9160	0.003	0.06	1.8	107719	0.61	2371	1.2
	N	929	770	770	770	929	770	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 32. Expanded Statewide Summary of Spring Turkey Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
Statewide	ESTIMATE	26834	0.073	0.46	30.2	329228	6.25	52635	27.4
	(SE)	3405	0.008	0.05	2.9	27416	0.4	2809	1.5
	N	929	255	255	255	929	255	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 33. Expanded Statewide Summary of Spring Turkey (Rifle) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
1	ESTIMATE	0				0		0	0
	(SE)	0				0		0	0
	N	922				922		922	24
2	ESTIMATE	0	0	0	0	2288	5.5	416	8.3
	(SE)	0	0	0	0	2090	4.5	294	5.8
	N	922	2	2	2	922	2	922	24
3	ESTIMATE	624	0.037	0.2	20	16846	5.4	3120	62.5
	(SE)	360	0.024	0.11	10.7	7232	1.92	799	10.1
	N	922	15	15	15	922	15	922	24
4	ESTIMATE	416	0.049	0.4	20	8527	8.2	1040	20.8
	(SE)	416	0.034	0.4	20	5407	4.13	464	8.5
	N	922	5	5	5	922	5	922	24
5	ESTIMATE	0	0	0	0	1040	2.5	416	8.3
	(SE)	0	0	0	0	857	1.5	294	5.8
	N	922	2	2	2	922	2	922	24
Statewide	ESTIMATE	1651	0.048	0.26	16.1	34264	5.35	6399	3.3
	(SE)	824	0.022	0.12	6.7	9532	1.17	1131	0.6
	N	929	31	31	31	929	31	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 34. Expanded Statewide Summary of Spring Turkey (Shotgun) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
1	ESTIMATE	5068	0.078	0.49	25.6	56809	6.26	9081	19.5
	(SE)	1544	0.022	0.15	6.7	11850	0.92	1352	2.7
	N	908	43	43	43	908	43	908	220
2	ESTIMATE	7814	0.092	0.64	41.4	84686	6.91	12249	26.4
	(SE)	1736	0.015	0.12	6.5	14440	0.79	1557	3
	N	908	58	58	58	908	58	908	220
3	ESTIMATE	4013	0.079	0.37	26.9	51107	4.65	10982	23.6
	(SE)	1169	0.021	0.1	6.2	9687	0.63	1479	2.9
	N	908	52	52	52	908	52	908	220
4	ESTIMATE	845	0.031	0.17	11.1	20274	5.33	3801	8.2
	(SE)	517	0.018	0.12	7.6	6526	1.22	888	1.9
	N	908	18	18	18	908	18	908	220
5	ESTIMATE	4224	0.07	0.39	26.5	57231	5.53	10348	22.3
	(SE)	1224	0.019	0.1	6.4	11520	0.81	1439	2.8
	N	908	49	49	49	908	49	908	220
Statewide	ESTIMATE	25182	0.076	0.45	29.5	294963	5.93	49745	25.9
	(SE)	3317	0.008	0.05	2.9	24241	0.36	2759	1.4
	N	929	241	241	241	929	241	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 35. Expanded Statewide Summary of Fall Turkey Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	9908	0.032	0.16	13.5	174212	4.94	35296	18.4
Statewide	(SE)	2314	0.007	0.03	2.6	19789	0.45	2439	1.3
	N	929	171	171	171	929	171	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 36. Expanded Statewide Summary of Fall Turkey (Rifle) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	209	1	1	100	209	1	209	1.7
1	(SE)	209				209		209	1.7
	N	917	1	1	1	917	1	917	59
	ESTIMATE	627	0.058	0.27	27.3	10874	4.73	2300	18.6
2	(SE)	362	0.034	0.14	14.1	3702	0.8	690	5.1
	N	917	11	11	11	917	11	917	59
	ESTIMATE	836	0.03	0.13	12.5	14011	4.19	3346	27.1
3	(SE)	418	0.021	0.09	8.5	4389	0.83	830	5.8
	N	917	16	16	16	917	16	917	59
	ESTIMATE	627	0.033	0.14	14.3	18820	4.29	4391	35.6
4	(SE)	362	0.018	0.08	7.8	5453	0.85	948	6.3
	N	917	21	21	21	917	21	917	59
	ESTIMATE	0	0	0	0	15056	7.2	2091	16.9
5	(SE)	0	0	0	0	7891	3.18	658	4.9
	N	917	10	10	10	917	10	917	59
	ESTIMATE	3715	0.025	0.13	12.7	75134	5.13	14655	7.6
Statewide	(SE)	1125	0.008	0.04	4	12122	0.59	1672	0.9
	N	929	71	71	71	929	71	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 37. Expanded Statewide Summary of Fall Turkey (Shotgun) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
1	ESTIMATE	634	0.037	0.19	12.5	17317	5.13	3379	15.5
	(SE)	472	0.033	0.14	8.5	8946	2.4	838	3.6
	N	908	16	16	16	908	16	908	103
2	ESTIMATE	634	0.008	0.04	3.7	25765	4.52	5702	26.2
	(SE)	472	0.009	0.04	3.7	6661	0.81	1082	4.4
	N	908	27	27	27	908	27	908	103
3	ESTIMATE	1056	0.036	0.11	7.4	17740	3.11	5702	26.2
	(SE)	633	0.026	0.08	5.1	3954	0.37	1082	4.4
	N	908	27	27	27	908	27	908	103
4	ESTIMATE	0	0	0	0	5913	2.8	2112	9.7
	(SE)	0	0	0	0	2326	0.7	665	2.9
	N	908	10	10	10	908	10	908	103
5	ESTIMATE	1689	0.114	0.35	30.4	14783	3.04	4857	22.3
	(SE)	666	0.041	0.12	9.8	3772	0.47	1000	4.1
	N	908	23	23	23	908	23	908	103
Statewide	ESTIMATE	6192	0.035	0.14	11.3	99078	3.87	25595	13.3
	(SE)	2013	0.01	0.04	2.9	13120	0.4	2141	1.1
	N	929	124	124	124	929	124	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 38. Expanded Statewide Summary of Total Turkey Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
Statewide	ESTIMATE	36741	0.06	0.44	28.4	503440	7.28	69148	36.1
	(SE)	4781	0.006	0.04	2.5	36561	0.42	3023	1.6
	N	929	335	335	335	929	335	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 39. Expanded Statewide Summary of Bear Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	417	0.045	0.5	50	9181	11	835	5.4
1	(SE)	295	0.053	0.29	28.9	6999	7.31	417	2.6
	N	919	4	4	4	919	4	919	74
	ESTIMATE	209	0.013	0.07	7.1	16067	5.5	2921	18.9
2	(SE)	209	0.014	0.07	7.1	7007	1.97	775	4.6
	N	919	14	14	14	919	14	919	74
	ESTIMATE	835	0.017	0.14	14.3	36098	8.24	4382	28.4
3	(SE)	417	0.011	0.08	7.8	10809	1.75	946	5.3
	N	919	21	21	21	919	21	919	74
	ESTIMATE	417	0.007	0.04	4.3	30464	6.35	4799	31.1
4	(SE)	295	0.006	0.04	4.3	9093	1.4	989	5.4
	N	919	23	23	23	919	23	919	74
	ESTIMATE	209	0.01	0.08	8.3	20449	8.17	2504	16.2
5	(SE)	209	0.012	0.08	8.3	9317	3.02	718	4.3
	N	919	12	12	12	919	12	919	74
	ESTIMATE	3096	0.016	0.12	10.7	131278	7.57	17339	9
Statewide	(SE)	845	0.006	0.04	3.4	20464	0.88	1805	0.9
	N	929	84	84	84	929	84	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 40. Expanded Statewide Summary of Total Duck (All Species) Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	104424	1.095	10.71	85.7	85665	9.79	8754	57.5
1	(SE)	21761	0.135	1.8	5.5	17692	1.4	1320	5.8
	N	920	42	42	42	920	42	920	73
	ESTIMATE	15007	2.118	12	83.3	7087	5.67	1251	8.2
2	(SE)	7357	0.207	3.59	16.7	3276	1.36	509	3.2
	N	920	6	6	6	920	6	920	73
	ESTIMATE	6253	1.765	15	100	3543	8.5	417	2.7
3	(SE)	4659	0.138	5	0	2709	3.5	295	1.9
	N	920	2	2	2	920	2	920	73
	ESTIMATE	1459	1	3.5	100	1459	3.5	417	2.7
4	(SE)	1268	0	2.5	0	1268	2.5	295	1.9
	N	920	2	2	2	920	2	920	73
	ESTIMATE	67949	1.552	14.86	90.5	41895	9.57	4377	28.8
5	(SE)	20994	0.21	3.61	6.6	11957	1.83	945	5.3
	N	920	21	21	21	920	21	920	73
	ESTIMATE	205174	1.268	11.26	84.1	150268	8.88	16926	8.8
Statewide	(SE)	31256	0.111	1.38	4.1	21854	0.89	1786	0.9
	N	929	82	82	82	929	82	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 41. Expanded Statewide Summary of Total Goose Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
1	ESTIMATE	33803	0.816	4.71	67.7	37350	5.77	6468	50
	(SE)	8930	0.165	1.07	8.5	9052	0.97	1143	6.4
	N	919	31	31	31	919	31	919	62
2	ESTIMATE	3130	1.154	3	80	2713	2.6	1043	8.1
	(SE)	1945	0.358	1.45	20	1366	0.68	466	3.5
	N	919	5	5	5	919	5	919	62
3	ESTIMATE	4799	2.556	11.5	100	1878	4.5	417	3.2
	(SE)	3546	0.494	3.5	0	1335	0.5	295	2.3
	N	919	2	2	2	919	2	919	62
4	ESTIMATE	5008	3.429	12	100	1461	3.5	417	3.2
	(SE)	4255	0.163	8	0	1269	2.5	295	2.3
	N	919	2	2	2	919	2	919	62
5	ESTIMATE	44862	1.085	9.32	72.7	39436	8.59	4590	35.5
	(SE)	16666	0.37	3.09	9.7	12181	1.98	967	6.1
	N	919	22	22	22	919	22	919	62
Statewide	ESTIMATE	101348	0.993	6.35	72.2	94950	6.39	14862	7.8
	(SE)	19869	0.172	1.12	5.3	16561	0.85	1683	0.9
	N	929	72	72	72	929	72	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 42. Expanded Statewide Summary of Red Fox Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	208	0.05	0.2	20	4169	4	1042	16.1
1	(SE)	208	0.062	0.2	20	2410	1.64	465	6.7
	N	920	5	5	5	920	5	920	31
	ESTIMATE	1459	0.041	0.46	23.1	30223	11.15	2710	41.9
2	(SE)	908	0.037	0.31	12.2	16087	5.28	747	9
	N	920	13	13	13	920	13	920	31
	ESTIMATE	625	0.079	0.75	50	7920	9.5	834	12.9
3	(SE)	466	0.091	0.48	28.9	6354	6.89	416	6.1
	N	920	4	4	4	920	4	920	31
	ESTIMATE	417	0.03	0.4	40	13756	13.2	1042	16.1
4	(SE)	295	0.029	0.24	24.5	7638	4.87	465	6.7
	N	920	5	5	5	920	5	920	31
	ESTIMATE	834	0.1	0.25	25	2084	2.5	834	12.9
5	(SE)	510	0.124	0.25	25	1249	0.96	416	6.1
	N	920	4	4	4	920	4	920	31
	ESTIMATE	3922	0.046	0.35	25	62543	7.58	8256	4.3
Statewide	(SE)	1215	0.022	0.12	6.9	18931	1.99	1278	0.7
	N	929	40	40	40	929	40	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 43. Expanded Statewide Summary of Gray Fox Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	1041	0.139	0.63	37.5	7495	4.5	1666	25.8
1	(SE)	690	0.092	0.38	18.3	3052	0.98	587	8
	N	921	8	8	8	921	8	921	31
	ESTIMATE	1666	0.057	0.73	36.4	29149	12.73	2290	35.5
2	(SE)	882	0.044	0.33	15.2	16048	6.16	687	8.7
	N	921	11	11	11	921	11	921	31
	ESTIMATE	0	0	0	0	7912	9.5	833	12.9
3	(SE)	0	0	0	0	6347	6.89	416	6.1
	N	921	4	4	4	921	4	921	31
	ESTIMATE	208	0.016	0.25	25	13325	16	833	12.9
4	(SE)	208	0.016	0.25	25	7619	5.15	416	6.1
	N	921	4	4	4	921	4	921	31
	ESTIMATE	416	0.1	0.5	25	4164	5	833	12.9
5	(SE)	416	0.083	0.5	25	2334	1.47	416	6.1
	N	921	4	4	4	921	4	921	31
	ESTIMATE	8050	0.052	0.46	25.6	71006	8.82	8050	4.2
Statewide	(SE)	3937	0.022	0.14	7.1	19754	2.05	1262	0.7
	N	929	39	39	39	929	39	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 44. Expanded Statewide Summary of Coyote Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	2293	0.18	0.69	50	12714	3.81	3335	19.8
1	(SE)	857	0.056	0.2	12.9	4006	0.76	827	4.5
	N	920	16	16	16	920	16	920	81
	ESTIMATE	6045	0.086	1.23	27.3	65239	14.23	4585	27.2
2	(SE)	3696	0.054	0.78	9.7	22857	4.07	966	5
	N	920	22	22	22	920	22	920	81
	ESTIMATE	5419	0.104	1.26	42.1	48148	12.16	3960	23.5
3	(SE)	2258	0.051	0.5	11.6	22695	5.16	900	4.7
	N	920	19	19	19	920	19	920	81
	ESTIMATE	1459	0.143	0.88	25	10213	6.13	1667	9.9
4	(SE)	1042	0.101	0.58	16.4	4533	1.77	587	3.3
	N	920	8	8	8	920	8	920	81
	ESTIMATE	4169	0.101	0.88	43.8	28972	8.69	3335	19.8
5	(SE)	1438	0.039	0.34	12.8	9750	2.04	827	4.5
	N	920	16	16	16	920	16	920	81
	ESTIMATE	22705	0.11	1.04	38.9	176276	9.49	18577	9.7
Statewide	(SE)	4900	0.027	0.24	5.2	34139	1.58	1862	1
	N	929	90	90	90	929	90	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 45. Expanded Statewide Summary of Raccoon Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	209	0	0	0	1043	5	209	4
1	(SE)	209				1043		209	4
	N	919	1	1	1	919	1	919	25
	ESTIMATE	7303	0.219	3.3	70	31507	15.1	2087	40
2	(SE)	2950	0.136	0.99	15.3	17732	7.42	657	10
	N	919	10	10	10	919	10	919	25
	ESTIMATE	34429	0.57	23.29	85.7	59676	40.86	1461	28
3	(SE)	22659	0.158	13.81	14.3	31555	16.37	550	9.2
	N	919	7	7	7	919	7	919	25
	ESTIMATE	8555	1.333	40	100	6260	30	209	4
4	(SE)	8349				6260		209	4
	N	919	1	1	1	919	1	919	25
	ESTIMATE	14815	0.447	11.83	83.3	33177	26.5	1252	24
5	(SE)	10738	0.224	7.77	16.7	18551	11.12	510	8.7
	N	919	6	6	6	919	6	919	25
	ESTIMATE	72657	0.466	9.63	68.6	149236	20.66	7224	3.8
Statewide	(SE)	26510	0.108	3.35	8	41861	4.74	1199	0.6
	N	929	35	35	35	929	35	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Table 46. Expanded Statewide Summary of Bobcat Hunting in Virginia During the 2013-2014 Hunting Season.

REGION	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF HUNTERS*
	ESTIMATE	207	0.077	0.33	33.3	2692	4.33	621	16.7
1	(SE)	207	0.114	0.33	33.3	2121	2.85	358	9
	N	926	3	3	3	926	3	926	18
	ESTIMATE	0	0	0	0	15945	8.56	1864	50
2	(SE)	0	0	0	0	8654	3.89	619	12.1
	N	926	9	9	9	926	9	926	18
	ESTIMATE	0	0	0	0	6212	30	207	5.6
3	(SE)	0				6212		207	5.6
	N	926	1	1	1	926	1	926	18
	ESTIMATE	0	0	0	0	3935	19	207	5.6
4	(SE)	0				3935		207	5.6
	N	926	1	1	1	926	1	926	18
	ESTIMATE	0	0	0	0	3313	4	828	22.2
5	(SE)	0	0	0	0	2006	1.58	413	10.1
	N	926	4	4	4	926	4	926	18
	ESTIMATE	3509	0.006	0.05	4.8	34677	8	4335	2.3
Statewide	(SE)	3109	0.006	0.05	4.8	11784	2.15	936	0.5
	N	929	21	21	21	929	21	929	929

* For regional estimates equals the ratio of hunters for this species in that region to the estimated total number of hunters for this species, for statewide estimates equals the ratio of estimated total number of hunters for this species to the total number of licenses sold.

Section 2: General hunting behavior and attitudes

Table 47. "Indicate the level of importance you place on hunting the following species" (Q22)

	Mean Score	Response % (number)						
		1	2	3	4	5	6	7
Deer	6.4 (861)	2.1 (18)	.1 (1)	1.8 (17)	5.3 (49)	6.5 (60)	10.0 (93)	67.1 (623)
Fall Turkey	4.3 (771)	14.9 (115)	5.8 (45)	10.5 (81)	25.2 (194)	13.5 (104)	8.8 (68)	21.3 (164)
Spring Turkey	4.6 (780)	13.8 (108)	5.8 (45)	7.9 (62)	21.3 (166)	11.3 (88)	9.1 (71)	30.6 (240)
Bear	3.4 (718)	32.7 (235)	9.3 (67)	9.6 (69)	19.9 (143)	7.5 (54)	6.1 (44)	14.8 (106)
Rabbit	3.3 (733)	30.0 (220)	11.2 (82)	11.7 (86)	21.8 (160)	7.2 (53)	5.2 (38)	12.8 (94)
Squirrel	3.6 (755)	24.2 (183)	9.9 (75)	11.3 (85)	24.1 (182)	8.3 (63)	7.9 (60)	14.2 (107)
Quail	2.6 (692)	48.8 (338)	12.1 (84)	8.4 (58)	13.6 (94)	5.6 (39)	3.9 (27)	7.5 (52)
Raccoon	2.3 (691)	57.7 (399)	10.7 (74)	8.2 (57)	10.0 (69)	3.5 (24)	3.3 (23)	6.5 (45)
Fox	2.5 (693)	50.2 (348)	12.7 (88)	7.4 (51)	12.6 (87)	5.2 (36)	4.3 (30)	7.6 (53)
Waterfowl	3.0 (704)	48.4 (341)	9.2 (65)	5.4 (38)	10.4 (73)	4.4 (31)	7.0 (49)	15.2 (107)

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

Table 48. "Did you take a youth hunting on the designated day for the following species" (Q23)

	Response % (number)	
	Yes	No
Deer (9/28/2013)	16.5 (142)	83.5 (717)
Fall Turkey (10/19/2013)	4.7 (37)	95.3 (747)
Spring Turkey (4/5/2013)	9.6 (76)	90.4 (716)
Waterfowl Fall (10/26/2013)	1.3 (10)	98.7 (765)
Waterfowl Spring (2/1/2014)	1.3 (10)	98.7 (766)
Bear (9/28/2013)	2.4 (19)	97.6 (757)

Table 49. "If you did not take a youth hunting on one of the designated says, please indicate the reasons from the list below" (Q24)

	Response % (number)
Didn't have a youth to take	57.7 (536)
Other youth activities interfered	9.6 (89)
No place to take a youth hunting	3.4 (32)
Too far to travel to take a youth hunting	1.7 (16)
Concerned for safety reasons	2.7 (25)
Other	9.5 (88)

Table 50. "Indicate the number of days spent during the 2013-2014 hunting season on each of these types of land." (Q25)

	Mean Number of days (number)
National Forest	3.1 (749)
Military lands	.8 (703)
VDGIF WMAs	.8 (715)
State Parks	.1 (697)
State Forests	.6 (704)
Private lands	21.2 (839)

	Yes	No
Table 51. "During the 2013-2014 season were you involved in any type of conflict with other hunters/hunter groups?" (Q26)	8.7 (77)	91.3 (805)

	Yes	No
Table 52. "During the 2013-2014 season were you involved in any type of conflict with any landowners?" (Q27)	2.9 (26)	97.1 (858)

	Yes	No
Table 53. "Do you hunt in or near a food plot?" (Q28)	24.4 (215)	75.6 (666)

	Yes	No
Table 54. "Have you ever killed a bear in Virginia?" (Q29)	7.9 (70)	92.1 (814)

	Yes	No
Table 55. "If you have the opportunity to harvest a bear, would you?" (Q30)	71.5 (628)	28.5 (250)

Section 3: DEER hunting

Table 56. "Please indicate the county where you most often hunted DEER during the 2013-2014 season." (Q31)

Percent (number) by Regions				
1	2	3	4	5
19.2 (157)	24.1 (197)	17.2 (141)	13.4 (110)	26 (213)

Table 57. "How would you rate the size of the deer herd in the area you hunted deer the most in the 2013-2014 season." (Q32)

Region	Mean Score	Response (number)						
		1	2	3	4	5	6	7
1	4.46 (166)	2.4 (4)	7.2 (12)	12 (20)	35.5 (59)	15.7 (26)	17.5 (29)	9.6 (16)
2	4.36 (137)	4.4 (6)	6.6 (9)	13.1 (18)	31.4 (43)	23.4 (32)	11.7 (16)	9.5 (13)
3	4.01 (142)	9.2 (13)	7 (10)	14.1 (20)	33.8 (48)	21.8 (31)	7 (10)	7 (10)
4	3.46 (72)	18.1 (13)	15.3 (11)	13.9 (10)	30.6 (22)	6.9 (5)	8.3 (6)	6.9 (5)
5	4.36 (264)	4.5 (12)	7.6 (20)	9.1 (24)	37.1 (98)	20.5 (54)	10.6 (28)	10.6 (28)
Statewide	4.22 (810)	6.2 (51)	7.8 (64)	11.8 (97)	34.9 (286)	19 (156)	11 (90)	9.2 (75)

* Mean score, where 1=Low; 4=Moderate; 7=High

Table 58. "What advice would you give to VDGIF regarding how to manage the deer herd?" (Q33)

Response	Percent (number) by Statewide and Regions					
	Statewide	1	2	3	4	5
Increase the herd	29.6 (242)	29.2 (46)	27.9 (38)	34.3 (48)	52.1 (38)	20.9 (56)
Stabilize the herd	36.3 (297)	39.3 (64)	32.4 (44)	36.4 (51)	28.8 (21)	38.4 (103)
Decrease the herd	13.3 (109)	11.7 (19)	21.3 (29)	8.6 (12)	9.6 (7)	15.3 (41)
No opinion	20.8 (170)	20.9 (34)	18.4 (25)	20.7 (29)	9.6 (7)	25.4 (68)

Table 59. "When compared to previous years, would you say the number of deer in the area you hunted in 2013-2014" (Q34)

Response	Percent (number) by Statewide and Regions					
	Statewide	1	2	3	4	5
Declined dramatically	7.3 (60)	7.2 (12)	5.8 (8)	9.9 (14)	16.4 (12)	4.1 (11)
Declined	27.8 (230)	24.7 (41)	31.4 (43)	32.4 (46)	31.5 (23)	23.3 (63)
Remained about the same	40.9 (338)	44 (73)	35 (48)	38 (54)	35.6 (26)	44.8 (121)
Increased	16.7 (138)	18.1 (30)	21.9 (30)	14.1 (20)	11 (8)	17 (46)
Increased dramatically	2.1 (17)	1.8 (3)	3.6 (5)	2.1 (3)	0	1.9 (5)
No Opinion	5.3 (44)	4.2 (7)	2.2 (3)	3.5 (5)	5.5 (4)	8.9 (24)

Table 60. "Overall how would you rate the quality of the following DEER season during 2013-2014?" (Q35)

Region	Region /State Mean	Response (number)						
		1	2	3	4	5	6	7
Archery								
1	4.4 (100)	5.0 (5)	6.0 (6)	10.0 (10)	35.0 (35)	18.0 (18)	17.0 (17)	9.0 (9)
2	4.2 (87)	11.5 (10)	9.2 (8)	11.5 (10)	24.0 (21)	17.2 (15)	17.2 (15)	9.2 (8)
3	4.2 (91)	7.7 (7)	11.0 (10)	9.9 (9)	30.8 (28)	16.5 (15)	15.4 (14)	8.8 (8)
4	3.7 (48)	14.6 (7)	10.4 (5)	18.8 (9)	31.3 (15)	8.3 (4)	6.3 (3)	10.4 (5)
5	4.4 (173)	7.2 (36)	7.8 (39)	12.4 (62)	32.3 (161)	16.4 (82)	14.0 (70)	9.8 (49)
Statewide	4.3 (523)	7.1 (37)	7.5 (39)	12.2 (64)	32.5 (170)	16.6 (87)	14.3 (75)	9.8 (51)
Muzzleloader								
1	4.8 (119)	2.5 (3)	(0)	11.8 (14)	33.6 (40)	21.0 (25)	16.0 (19)	15.1 (18)
2	4.4 (103)	1.9 (2)	14.6 (15)	13.6 (14)	24.3 (25)	13.6 (14)	18.4 (19)	13.6 (14)
3	4.3 (114)	7.0 (8)	8.8 (10)	11.4 (13)	32.5 (37)	14.9 (17)	12.3 (14)	13.2 (15
4	3.7 (54)	11.1 (6)	9.3 (5)	18.5 (10)	35.2 (19)	11.1 (6)	11.1 (6)	3.7 (2)
5	4.4 (195)	4.6 (9)	4.6 (9)	11.8 (23)	37.9 (74)	17.9 (24)	12.3 (24)	10.8 (21)
Statewide	4.4 (610)	4.8 (29)	6.4 (39)	12.3 (75)	34.1 (208)	16.7 (102)	13.9 (85)	11.8 (72)
Firearms								
1	4.6 (154)	4.5 (7)	6.5 (10)	11.0 (17)	26.6 (41)	20.1 (31)	18.8 (29)	12.3 (19)
2	4.6 (133)	4.5 (6)	5.3 (7)	15.0 (20)	24.1 (32)	17.3 (23)	15.8 (21)	18.0 (24)
3	4.2 (135)	8.9 (12)	7.4 (10)	11.1 (15)	31.1 (42)	17.0 (23)	14.1 (19)	10.4 (14)
4	3.6 (72)	12.5 (9)	8.2 (6)	27.8 (20)	27.8 (20)	11.1 (8)	6.9 (5)	5.6 (4)
5	4.4 (251)	4.0 (10)	6.0 (15)	10.4 (26)	38.2 (96)	17.1 (43)	12.7 (32)	11.6 (29)
Statewide	4.4 (780)	6 (47)	6.2 (48)	12.8 (100)	31.4 (245)	17.8 (139)	13.8 (108)	11.9 (93)

* Mean score, where 1=poor; 4=Adequate; 7=Excellent

Table 61. "In the area where you hunt DEER the most, how would you change the number of DOE DAYS?" (Q36)

Response (number)	Statewide %	Percent (number) by Regions				
		1	2	3	4	5
Increase the number of days	38.1 (309)	34.9 (61)	44.3 (62)	38.1 (56)	35.6 (26)	47.5 (104)
Keep the number of doe days the same	41.9 (340)	50.9 (89)	38.6 (54)	38.8 (57)	32.4 (24)	41.9 (116)
Decrease the number of doe days	11.5 (93)	5.1 (9)	10.7 (15)	15.6 (23)	28.8 (21)	9.0 (25)
No opinion	8.6 (70)	9.1 (16)	6.4 (9)	7.5 (11)	2.7 (2)	11.6 32)

Table 62. "How often do you hunt from an elevated stand?" (Q37)

Response (numbers)	Statewide %	Percent (number) by Regions				
		1	2	3	4	5
Always	21.2 (171)	20.6 (36)	13.8 (19)	21.1 (31)	23.6 (17)	24.6 (68)
Often	39.5 (319)	44.0 (77)	43.5 (60)	30.6 (45)	30.6 (22)	41.7 (115)
Occasionally	23.5 (190)	22.9 (40)	26.1 (36)	27.1 (40)	18.1 (13)	22.1 (61)
Never	15.8 (128)	12.6 (22)	16.7 (23)	21.1 (31)	27.8 (20)	11.6 (32)

Table 63. "Of those who answered Always, Often, or Occasionally to Q37 (above): "When hunting from an elevated tree stand, how often do you use a safety harness?" (Q38)

Response (number)	Statewide %	Percent (number) by Regions				
		1	2	3	4	5
Always	49.8 (335)	44.1 (67)	42.1 (48)	57.0 (65)	50.0 (26)	53.5 (129)
Often	12.9 (87)	11.8 (18)	10.5 (12)	15.8 (18)	15.4 (8)	12.9 (31)
Occasionally	16.8 (113)	18.4 (28)	21.9 (25)	15.8 (18)	11.5 (6)	14.9 (36)
Never	20.5 (138)	25.7 (39)	25.4 (29)	11.4 (13)	23.1 (12)	18.7 (45)

Table 64. "Please indicate the degree to which you would support or oppose a requirement for the use of a safety harness when hunting from an elevated tree stand on the following types of land:" (Q39A & B)

	Mean Score	Response (number)						
		1	2	3	4	5	6	7
Public land	4.8 (829)	15.8 (131)	2.5 (21)	2.2 (18)	28.7 (238)	4.3 (36)	7.1 (59)	39.3 (326)
Statewide (on public and private land	4.5 (836)	21.3 (178)	3.7 (31)	2.6 (22)	28.5 (238)	3.8 (32)	5.3 (44)	34.8 (291)

Mean score, where 1=Strongly oppose; 4=Neither oppose or support; 7=Strongly support

Table 65. "Please indicate the degree to which you would support or oppose the following options for the placement of either-sex days during the general firearms season:" (Q40A, B & C)

	Mean Score	Response (number)						
		1	2	3	4	5	6	7
On Saturday or Sunday during the season	5.4 (833)	8.3 (69)	3.0 (25)	2.3 (19)	22.3 (186)	5.5 (46)	9.2 (77)	49.3 (411)
At the end of the season	5.4 (807)	6.2 (50)	1.9 (15)	2.4 (19)	25.8 (208)	7.1 (57)	10.3 (83)	46.5 (375)
Around the Thanksgiving and Christmas holidays	5.5 (815)	7.1 (58)	1.1 (9)	2.1 (17)	22.5 (183)	5.6 (46)	12.4 (101)	49.2 (401)

Mean score, where 1=Strongly oppose; 4=Neither oppose or support; 7=Strongly support

Table 66. "How often do you use lures or attractants while hunting deer?" (Q41)

Response (number) Statewide %		Percent (number) by Regions				
		1	2	3	4	5
Always	3.6 (29)	3.4 (6)	3.6 (5)	4.7 (7)	5.5 (4)	2.5 (7)
Often	16.6 (135)	14.3 (25)	18.7 (26)	20.9 (31)	17.8 (13)	14.4 (40)
Occasionally	41.7 (339)	46.9 (82)	41.7 (58)	36.5 (54)	30.1 (22)	36.3 (123)
Never	38.1 (309)	35.4 (62)	36.0 (50)	37.8 (56)	46.6 (34)	38.6 (107)

Table 67. "If you use lures or attractants while hunting deer, what kind do you use most often?" (Q42)

Response (number) Statewide %		Percent (number) by Regions				
		1	2	3	4	5
Natural	46.2 (359)	48.5 (81)	45.5 (61)	45.1 (64)	50.7 (35)	45.0 (118)
Synthetic	17.5 (136)	18.0 (30)	18.2 (25)	18.3 (26)	5.8 (4)	19.5 (51)
Do not use lures or attractants	36.3 (282)	33.5 (56)	37.2 (51)	36.6 (52)	43.5 (30)	35.5 (93)

Table 68. "Please indicate the degree to which you would oppose or support a ban on the use of lures or attractants made from natural deer products (e.g. urine)/ Biologists are concerned that the use of these products might increase the risk of introducing transmissible disease into the deer population (e.g., chronic wasting disease)." (Q43)

Mean Score	Response (number)						
	1	2	3	4	5	6	7
3.5 (850)	22.2 (189)	11.5 (98)	8.6 (73)	35.5 (302)	6.5 (55)	7.4 (63)	8.2 (70)

Mean score, where 1=Strongly oppose; 4=Neither oppose or support; 7=Strongly support

Table 69. "Was there any occasion during the 2013-2014 hunting season when you 'passed up' a deer (i.e., you chose not to shoot a deer, even though it would have been a safe, feasible, legal shot)?" (Q44)

Yes	No
80.1 (679)	19.9 (169)

Table 70. "If you answered 'yes' to Question 44, please indicate the number of deer in each category below that you 'passed up." (Q45)

	Response (number)				
	0	1	2	3	4+
Antlered bucks	14.3 (85)	19.9 (118)	24.2 (144)	11.8 (70)	29.8 (177)
Adult does	11.9 (75)	9.1 (57)	17.2 (108)	13.4 (84)	48.4 (304)
Fawns	22.0 (127)	9.4 (54)	12.0 (69)	10.4 (60)	46.3 (267)
Unknown	45.2 (168)	8.6 (32)	10.8 (40)	5.6 (21)	29.8 (112)

Table 71. "If you answered 'yes' to Question 44, please check the statement(s) that best describe why you 'passed up' one or more deer:" (Q46)

	Percentage (number) who checked each
I already killed other deer and didn't want to kill another	16.6 (112)
I was concerned about low deer population levels where I hunt	13.7 (93)
I was unable to kill the deer due to rules on the property where I hunt	11.9 (81)
I didn't want to shoot young/small buck	68.9 (462)
I didn't want to shoot a doe	38.1 (259)
I didn't want to shoot a fawn	54.8 (403
Other reason	30.9 (210)

Table 72. "Please indicate to what extent you would oppose or support adding more apprentice and youth days during the season." (Q47)

Mean Score	Response (number)						
	1	2	3	4	5	6	7
5.1 (813)	3.8 (31)	2.8 (23)	5.3 (43)	28.4 (231)	10.2 (83)	21.8 (117)	27.7 (225)

Mean score, where 1=Strongly oppose; 4=Neither oppose or support; 7=Strongly support

Table 73. "Did you participate in the deer apprentice and youth day this past hunting season?" (Q48)

Yes	No
17.3 (140)	82.7 (670)

Section 4: BEAR hunting

Table 74. "Did you participate in the 2013-2014 bear chase season?" (Q49)

Yes	No
9.9 (36)	90.1 (329)

Table 75. "If you use harvest a black bear during the 2013-2014 hunting season, did you harvest it while:" (Q50)

	Percentage (number) who checked each
Dear hunting	40.0 (6)
Hunting for other game	0
Hunting specifically for bear	60.0 (15)

Table 76. "Please indicate the number of days you hunted specifically for bear during the 2013-2014 season in the following categories." (Q51)

	Mean (number) days
Bear archery	5.9 (31)
Bear muzzleloader season	4.5 (22)
Firearms season without dogs	3.7 (53)
Firearms season with dogs	11.2 (21)

Table 77. "If you harvested a black bear during the 2013-2014 hunting season while hunting for other game, when did you harvest it?" (Q52)

	Percentage (number) who checked each
Bear archery	45.5 (5)
Bear muzzleloader season	9.1 (1)
Firearms season without dogs	27.3 (3)
Firearms season with dogs	18.2 (2)

Table 78. "If you harvested a black bear during the 2013-2014 hunting season what did you do with the carcass?" (Q53)

	Percentage (number) who checked each
Consumed the meat	1.0 (9)
Gave the meat to others to consume	.6 (6)
Made use of the hide	.6 (6)
Had the bear mounted	.8 (7)

Table 79. "If you did not harvest a bear during the 2013-2014 season what do you feel was the primary reason?" (Q54)

	Percentage (number) who checked each
Bears too hard to find	66.3 (69)
No interest in harvesting bear	26.0 (27)
Do not like bear meat	1.9 (2)
Already killed a bear in my lifetime	5.8 (6)

Table 80. "During the 2013-2014 season, was there an instance where you believe you injured a bear you were hunting, but were unable to find the animal?" (Q55)

Yes	No
.5 (1)	99.5 (185)

Table 81. "How would you rate the importance of hunting bear against other species?" (Q56)

	Percentage (number) who checked each
More important than hunting other species	5.4 (10)
As important as hunting other species	60.2 (112)
Less important than hunting other species	34.4 (64)

Table 82. "Please indicate the degree to which you would support or oppose starting an early bear season prior to bear archery season that would be open to all types of hunting methods (archery, muzzleloader, firearms, and dogs)." (Q57)

Mean Score	Response (number)						
	1	2	3	4	5	6	7
4.4 (205)	16.1 (33)	9.3 (19)	3.9 (8)	20.0 (41)	13.7 (28)	10.2 (21)	26.8 (55)

Mean score, where 1=Strongly oppose; 4=Neither oppose or support; 7=Strongly support

Section 5: TURKEY hunting

Table 83. "Please indicate the county where you most often hunted Fall Turkey during 2013." (Q58)

Percent (number) by Regions				
1	2	3	4	5
14.4 (51)	26.3 (93)	25.5 (90)	15 (53)	18.7 (66)

Table 84. "Please indicate the county where you most often hunted Spring Turkey during 2014." (Q60)

Percent (number) by Regions				
1	2	3	4	5
17.1 (61)	25.8 (92)	23.6 (84)	11 (39)	22.5 (80)

Table 85. "Overall how would you rate the quality of your…

Region	Region mean	Response (number)						
		1	2	3	4	5	6	7
… Fall turkey season (Q59)								
1	4.2 (64)	6.3 (4)	7.8 (5)	9.4 (6)	46.9 (30)	9.4 (6)	9.4 (6)	10.9 (7)
2	4.2 (63)	12.7 (8)	4.8 (3)	7.9 (5)	36.5 (23)	12.7 (8)	14.3 (9)	11.1 (7)
3	3.6 (83)	16.9 (14)	9.6 (8)	15.7 (13)	30.1 (25)	14.5 (12)	4.8 (4)	8.4 (7)
4	3.6 (31)	19.4 (6)	16.1 (5)	12.9 (4)	22.6 (7)	9.7 (3)	6.5 (2)	12.9 (4)
5	3.7 (104)	11.5 (12)	16.3 (17)	15.4 (16)	27.9 (29)	14.4 (15)	7.7 (8)	6.7 (7)
Statewide	3.8 (358)	12.6 (45)	10.6 (38)	12.8 (46)	33.2 (119)	12.3 (44)	8.9 (32)	9.5 (34)
… Spring turkey season (Q61)								
1	4.3 (73)	6.8 (5)	8.2 (6)	12.3 (9)	37.0 (27)	9.6 (7)	9.6 (7)	16.4 (12)
2	4.6 (75)	10.7 (8)	6.7 (5)	6.7 (5)	21.3 (16)	22.7 (17)	12.0 (9)	20.0 (15)
3	3.9 (86)	7.0 (6)	12.8 (11)	11.6 (10)	40.7 (35)	14.0 (12)	7.0 (6)	7.0 (6)
4	4.0 (26)	7.7 (2)	19.2 (5)	11.5 (3)	26.9 (7)	3.8 (1)	23.1 (6)	7.7 (2)
5	4.3 (102)	8.8 (9)	9.8 (10)	12.7 (13)	23.5 (24)	16.7 (17)	15.7 (16)	12.7 (13)
Statewide	4.2 (375)	8.3 (31)	9.9 (37)	11.2 (42)	30.7 (115)	14.7 (55)	12 (45)	13.3 (50)

Mean score, where 1=Poor; 4=Adequate; 7=Excellent

Table 86. "If you hunt turkeys on National Forest land do you believe TURKEY populations on those lands are:" Q62)

	Percentage (number) who checked each
Increasing	4.1 (19)
Stable	12.0 (56)
Decreasing	11.5 (54)
I do not hunt on National Forest lands	72.4 (339)

Table 87. "Please indicate how essential the following attributes are to an excellent (FALL) turkey season:" (Q63)

	Response (number)						
	1	2	3	4	5	6	7
Getting away from civilization	1.8 (9)	1.6 (8)	1.8 (9)	28.3 (139)	19.3 (95)	20.1 (99)	27.0 (133)
Being close to home	.8 (4)	1.0 (5)	.8 (4)	13.0 (64)	19.0 (94)	27.7 (137)	37.7 (186)
Getting away from everyday problems (job, family, etc.)	2.2 (11)	1.4 (7)	2.4 (12)	16.1 (79)	17.3 (85)	21.6 (106)	38.9 (191)
Maintaining and/or using my calls and hunting equipment	2.2 (11)	3.4 (17)	5.5 (27)	19.7 (97)	18.7 (92)	19.1 (94)	31.4 (155)
Spending sufficient time scouting the areas I intended to hunt	2.4 (12)	3.9 (19)	6.3 (31)	24.1 (119)	19.1 (94)	18.9 (93)	25.4 (125)
Seeing turkeys while hunting	1.4 (7)	.6 (3)	2.0 (10)	16.2 (81)	20.4 (102)	25.5 (127)	33.9 (169)
Hearing turkeys while hunting	1.8 (9)	1.2 (6)	1.8 (9)	12.0 (60)	19.2 (96)	25.1 (125)	38.9 (194)
Seeing and hearing other wildlife while hunting	1.8 (9)	.8 (4)	3.0 (15)	21.0 (104)	17.4 (86)	28.1 (139)	27.9 (138)
Seeing very few other hunters while hunting	4.2 (21)	1.4 (7)	2.2 (11)	15.2 (75)	12.3 (61)	28.1 (139)	36.6 (181)
Feeling safe while in the woods	2.2 (11)	1.2 (6)	1.8 (9)	6.0 (30)	7.9 (39)	21.6 (107)	59.3 (294)
Being with my hunting companions	6.1 (30)	3.4 (17)	3.6 (18)	18.0 (89)	16.4 (81)	22.4 (111)	30.1 (149)
Having a good place to hunt	1.2 (6)	.2 (1)	.4 (2)	5.6 28)	8.9 (44)	25.0 (124)	58.7 (291)
Teaching someone the skills for hunting turkeys	3.9 (19)	4.3 (21)	4.7 (23)	20.3 (100)	17.2 (85)	22.5 (111)	27.2 (134)
Calling turkeys successfully	5.1 (25)	2.0 (10)	3.7 (18)	14.2 (70)	15.0 (74)	25.4 (125)	34.7 (171)
Hunting turkeys with a dog	64.8 (316)	9.4 (46)	5.5 (27)	11.7 (57)	2.9 (14)	2.3 (11)	3.5 (17)
Hunting turkeys the 2nd week of season during Deer Muzzleloader	20.4 (99)	4.3 (21)	6.6 (32)	25.4 (123)	17.7 (86)	12.0 58)	13.6 (66)
Hunting turkeys the first week of the season before Dear Muzzleloader	18.0 (88)	5.9 (29)	5.9 (29)	24.3 119)	16.6 (81)	13.5 (66)	15.7 (77)
Hunting turkeys on Thanksgiving Day	11.1 (55)	3.6 (18)	3.0 (15)	17.4 (86)	12.6 (62)	16.6 (82)	35.6 (176)
Hunting turkeys with other game during the later weeks of the season	9.6 (47)	4.1 (20)	3.7 (18)	17.8 (87)	18.4 (90)	19.9 (97)	26.4 (129)
Getting a shot at a turkey	6.1 (30)	2.4 (12)	3.0 (15)	21.7 (107)	15.4 (76)	16.6 (82)	34.7 (171)
Bagging a turkey	6.7 (33)	2.6 (13)	2.9 (13)	23.8 (117)	15.5 (76)	14.7 (72)	33.8 (166)
Bagging a limit of turkeys	18.2 (89)	6.7 (33)	8.8 (43)	30.0 (147)	11.0 (54)	7.8 (38)	17.6 (86)
Bringing home a turkey to eat	7.1 (35)	3.3 (16)	3.7 (18)	25.7 (126)	14.9 (73)	13.5 (66)	31.8 (156)

Mean score, where 1=Not at all essential; 4=Nice, but not essential; 7=Absolutely essential

Table 88. "Please indicate how essential the following attributes are to an excellent (SPRING) turkey season:" (Q64)

	Response (number)						
	1	2	3	4	5	6	7
Getting away from civilization	2.4 (11)	.7 (3)	2.4 (11)	22.1 (100)	17.0 (77)	20.8 (94)	34.7 (157)
Being close to home	.9 (4)	.4 (2)	1.5 (8)	11.5 (52)	18.3 (83)	22.7 (102)	44.7 (203)
Getting away from everyday problems (job, family, etc.)	1.5 (7)	.9 (4)	2.2 (10)	19.4 (74)	15.3 (69)	19.0 (86)	44.2 (202)
Maintaining and/or using my calls and hunting equipment	2.4 (11)	1.8 (8)	4.9 (22)	15.6 (70)	18.3 (82)	20.3 (91)	36.7 (165)
Spending sufficient time scouting the areas I intended to hunt	2.0 (9)	2.0 (9)	6.2 (28)	22.2 (100)	19.1 (86)	20.0 (90)	28.4 (128)
Seeing turkeys while hunting	.7 (3)	.9 (4)	1.5 (7)	14.3 (65)	20.8 (94)	22.1 (100)	39.7 (180)
Hearing turkeys while hunting	.9 (4)	.4 (2)	1.1 (5)	10.2 (46)	16.8 (76)	23.8 (108)	46.7 (211)
Seeing and hearing other wildlife while hunting	3.1 (14)	.9 (4)	4.4 (20)	19.9 (85)	18.6 (84)	23.2 (105)	31.0 (140)
Seeing very few other hunters while hunting	3.1 (14)	.9 (4)	3.8 (17)	12.2 (55)	13.3 (60)	28.2 (127)	38.4 (173)
Feeling safe while in the woods	1.6 (7)	.2 (1)	1.6 (7)	5.6 (25)	10.0 (45)	16.4 (74)	64.7 (291)
Being with my hunting companions	5.5 (25)	3.3 (15)	4.7 (21)	16.9 (76)	14.2 (64)	22.0 (99)	33.3 (151)
Having a good place to hunt	.2 (1)	.7 (3)	.9 (4)	5.1 (23)	9.8 (44)	27.4 (123)	55.9 (251)
Teaching someone the skills for hunting turkeys	5.1 (23)	2.4 (11)	5.1 (23)	18.4 (83)	16.4 (74)	20.4 (92)	32.3 (146)
Calling turkeys successfully	4.2 (19)	1.8 (8)	2.4 (11)	11.1 (50)	18.0 (81)	23.7 (107)	38.8 (175)
Hunting turkeys with a dog	64.7 (284)	9.8 (43)	5.5 (24)	8.7 (38)	4.1 (18)	1.8 (8)	5.5 (24)
Hunting turkeys the 2nd week of the season during Deer Muzzleloader	28.2 (122)	6.3 (27)	4.6 (20)	23.6 (102)	13.7 (59)	10.0 (43)	13.7 (59)
Hunting turkeys the first week of the season before Dear Muzzleloader	53.2 (494)	13.3 (124)	3.1 (29)	2.4 (22)	10.4 (97)	5.9 (55)	5.1 (61)
Hunting turkeys on Thanksgiving Day	22.6 (98)	4.4 (19)	2.5 (11)	16.2 (70)	12.5 (54)	11.8 (51)	30.0 (130)
Hunting turkeys with other game during the later weeks of the season	22.0 (98)	5.5 (24)	3.9 (17)	17.2 (5)	13.5 (59)	16.7 (73)	21.1 (92)
Getting a shot at a turkey	5.1 (23)	2.0 (9)	3.1 (14)	20.5 (93)	17.4 (78)	14.5 (65)	37.4 (168)
Bagging a turkey	5.1 (23)	2.4 (11)	2.7 (12)	22.7 (102)	17.1 (77)	13.8 (62)	36.2 (163)
Bagging a limit of turkeys	14.7 (66)	4.7 (21)	8.5 (38)	29.5 (132)	11.8 (53)	7.4 (33)	23.4 (105)
Bringing home a turkey to eat	6.4 (28)	2.5 (11)	3.7 (16)	23.0 (100)	15.6 (68)	12.0 (52)	36.8 (160)

Mean score, where 1=Not at all essential; 4=Nice, but not essential; 7=Absolutely essential

Section 6: QUAIL, SQUIRRELL, and RABBIT hunting

Table 89. "How would you describe your interest in Quail hunting?" (Q65)

	Percentage (number) who checked each
Incidental quail hunter	67.2 (199)
Occasional quail hunter	23.3 (69)
Quail hunter	7.4 (22)
Avid quail hunter	2.0 (6)

Table 90. "Please indicate the degree to which you would support or oppose closing the season for quail west of the Blue Ridge." (Q66)

Mean Score	Response (number)						
	1	2	3	4	5	6	7
4.1 (354)	11.3 (40)	4.2 (15)	3.4 (12)	58.2 (206)	3.4 (12)	5.1 (18)	14.4 (51)

Mean score, where 1=Strongly oppose; 4=Neither oppose or support; 7=Strongly support

Table 91. "How would you describe the places where you hunted quail during the 2013-2014 season?" (Q67)

	Percentage (number) who checked each
Areas with wild quail only	17.7 (166)
Areas where some form of preseason release occurred	1.9 (18)
Areas where birds were released the same day or shortly before hunting	3.3 (31)

Table 92. "How much do you spend annually on hunting upland game birds?" (Q68)

Mean Amount
$184.79

Table 93. "Are you aware of Virginia's Quail Recovery Initiative?" (Q69)

Yes	No
23.6 (115)	76.4 (373)

Table 94. "Please indicate the number of days you spent squirrel hunting during the following months." (Q70)

	Mean number of days (number of respondents)
September	1.4 (361)
October	1.6 (372)
November	1.2 (354)
December	1.0 (326)
January	1.3 (337)
February	.8 (314)

Table 95. "If you hunted during the 2014 Spring Squirrel season, how would you rate the quality of the experience?" (Q71)

Mean Score	Response (number)						
	1	2	3	4	5	6	7
4.6 (158)	7.0 (11)	1.9 (3)	7.6 (12)	39.2 (62)	12.7 (20)	16.5 (26)	15.2 (24)

Mean score, where 1=Poor; 4=Adequate; 7=Excellent

Table 96. "Please indicate the degree tow which you would support or oppose continuing the Spring Squirrel season:" (Q72)

Mean Score	Response (number)						
	1	2	3	4	5	6	7
4.8 (393)	9.7 (38)	1.8 (7)	1.5 (6)	40.2 (158)	4.8 (19)	13.5 (53)	28.5 (113)

Mean score, where 1=Strongly oppose; 4=Neither oppose or support; 7=Strongly support

Table 97. "Please indicate the number of days you spent rabbit hunting during the following months." (Q73)

	Mean (number) of days
November	.81 (339)
December	.88 (336)
January	1.3 (351)
February	1.0 (336)

Section 7: Characteristics of survey respondents

Table 98. "Do you have access to the internet from your home?" (Q74)

Yes	No
87.4 (766)	12.6 (110)

Table 99. "How old are you?" (Q75)

Mean age
47.7 (874)

Table 100. "Are you male or female?" (Q76)

Male	Female
94.4 (830)	5.6 (49)

Table 101. "Please indicate the county or independent city where you reside in Virginia." (Q77)

Top Five
Virginia Beach, Richmond, Chesapeake, Fredericksburg, Powhatan

APPENDIX A

Virginia Department of Game and Inland Fisheries 2013-2014 Hunter Survey

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

1. Did you purchase a Virginia resident hunting license for the 2013-2014 season ?

☐[I] YES

☐[II] NO

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

If YES, please continue to question 2 and complete the survey.

2. Which licenses did you purchase in 2013-2014 (✓ all that apply)

☐[A] State resident license (allowing you to hunt statewide)

☐[B] County/City license (allowing you to hunt only in your county/city of residence)

☐[C] Senior license (for residents 65 years or older)

☐[D] Sportsman's License (allowing you to hunt and fish statewide)

☐[E] Bear, Deer, Turkey license

☐[F] Archery License

☐[G] Muzzleloading License

☐[H] Crossbow License

☐[I] Other (please specify)_____

3. How much have you spent on hunting licenses in VA for the 2013-2014 season?

$ _____

Questions 4-9 relate to the number of game animals you harvested during the 2013-2014 hunting season. In each box below, record the number of animals you personally harvested in 2013-2014. Be as accurate as possible. Do not include game taken by anyone other than yourself. If you hunted an animal, but were unsuccessful, place a zero (0) in the space. If you did not hunt a particular animal, leave the space blank.

4. Small Game Harvest (Birds):

A. Wild Quail	B. Pen Raised Quail	C. Ruffed Grouse	D. Crow	E. Woodcock	F. Dove

5. Waterfowl Harvest:

A. Canada Goose	B. Duck

6. Small Game Harvest (Mammals):

A. Rabbit	B. Gray Squirrel	C. Fox Squirrel	D. Groundhog/ Woodchuck	E. Red Squirrel

7. Big Game Harvest (Deer):

Deer							
Archery		Crossbow		Muzzleloader		Gun	
A. Bucks	B. Does	C. Bucks	D. Does	E. Bucks	F. Does	G. Bucks	H. Does

8. Big Game Harvest (Bear and Turkey):

A. Bear	Turkey			
	B. Fall 2013 Rifle	C. Fall 2013 Shotgun	D. Spring 2014 Rifle	E. Spring 2014 Shotgun

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

A. Red Fox	B. Gray Fox	C. Coyote	D. Raccoon	E. Bobcat

Questions 10-15 relate to the time you spent hunting. Below, please indicate the number of days in which each species was the PRIMARY animal you hunted. Count partial days as 1 day hunted. If you didn't hunt that animal, leave the space blank.

10. Small Game (Birds) Days Hunted:

A. Wild Quail	B. Pen Raised Quail	C. Ruffled Grouse	D. Crow	E. Woodstock	F. Dove

11. Waterfowl Days Hunted:

A. Canada Goose	B. Duck

12. Small Game (Mammals) Days Hunted:

A. Rabbit	B. Gray Squirrel	C. Fox Squirrel	D. Groundhog/ Woodchuck	E. Red Squirrel

13. Big Game (Deer) Days Hunted:

Deer			
A. Archery	B. Crossbow	C. Muzzleloader	D. Gun

14. Big Game (Bear and Turkey) Days Hunted:

A. Bear	Turkey			
	B. Fall 2013 Rifle	C. Fall 2013 Shotgun	D. Spring 2014 Rifle	E. Spring 2014 Shotgun

15. Furbearer Days Hunted (only include animals you hunted, do not include animals you trapped):

A. Red Fox	B. Gray Fox	C. Coyote	D. Raccoon	E. Bobcat

Using the map below, for questions 16-21 indicate in each box the region of the state where you MOST OFTEN hunted each species. If you did not hunt a species, leave the space blank.

16. Small Game Harvest (Birds) Region Hunted:

A. Wild Quail	B. Pen Raised Quail	C. Ruffed Grouse	D. Crow	E. Woodcock	F. Dove

17. Waterfowl Region Hunted:

A. Canada Goose	B. Duck

18. Small Game Harvest (Mammals) Region Hunted:

A. Rabbit	B. Gray Squirrel	C. Fox Squirrel	D. Groundhog/ Woodchuck	E. Red Squirrel

19. Big Game (Deer) Region Hunted:

Deer			
A. Archery	B. Crossbow	C. Muzzleloader	D. Gun

20. Big Game (Bear and Turkey) Region Hunted:

A. Bear	Turkey			
	B. Fall 2013 Rifle	C. Fall 2013 Shotgun	D. Spring 2014 Rifle	E. Spring 2014 Shotgun

21. Furbearer Region Hunted (only include animals you hunted, do not include animals you trapped):

A. Red Fox	B. Gray Fox	C. Coyote	D. Raccoon	E. Bobcat

Questions 22-30 pertain to general hunting behavior and management issues.

22. Indicate the level of importance you place on hunting the following species:

	Not at all Important			Moderately Important			Extremely Important
A. Deer	☐1	☐2	☐3	☐4	☐5	☐6	☐7
B. Fall Turkey	☐1	☐2	☐3	☐4	☐5	☐6	☐7
C. Spring Turkey	☐1	☐2	☐3	☐4	☐5	☐6	☐7
D. Bear	☐1	☐2	☐3	☐4	☐5	☐6	☐7
E. Rabbit	☐1	☐2	☐3	☐4	☐5	☐6	☐7
F. Squirrel	☐1	☐2	☐3	☐4	☐5	☐6	☐7
G. Quail	☐1	☐2	☐3	☐4	☐5	☐6	☐7
H. Raccoon	☐1	☐2	☐3	☐4	☐5	☐6	☐7
I. Fox	☐1	☐2	☐3	☐4	☐5	☐6	☐7
J. Waterfowl	☐1	☐2	☐3	☐4	☐5	☐6	☐7

23. Did you take a youth hunting on the designated day for the following species:

A. Deer (9/28/2013):	☐[1] Yes	☐[0] No
B. Fall Turkey (10/19/2013):	☐[1] Yes	☐[0] No
C. Spring Turkey (4/5/2013):	☐[1] Yes	☐[0] No
D. Waterfowl Fall (10/26/2013):	☐[1] Yes	☐[0] No
E. Waterfowl Winter (2/1/2014):	☐[1] Yes	☐[0] No
F. Bear (9/28/2013):	☐[1] Yes	☐[0] No

24. If you did not take a youth hunting on one of the designated days, please indicate the reasons from the list below: (✓ all that apply)

- ☐[A] Didn't have a youth to take.
- ☐[B] Other youth activities interfered.
- ☐[C] No place to take a youth hunting.
- ☐[D] Too far to travel to take a youth hunting.
- ☐[E] Concerned for safety reasons.
- ☐[F] Other _____

25. Indicate the number of days spent during the 2013-2014 hunting season on each of these types of land. If you did not hunt on a type of land, write **0 days** for that category.

A. National Forest:	_____ Days	D. State Parks:	_____ Days
B. Military Lands:	_____ Days	E. State Forests:	_____ Days
C. VDGIF WMAs:	_____ Days	F. Private Lands:	_____ Days

26. During the 2013-2014 season were you involved in any type of conflict with other hunters/hunter groups?

- ☐[1] Yes
- ☐[0] No

27. During the 2013-2014 season were you involved in any type of conflict with any landowners?

- ☐[1] Yes
- ☐[0] No

28. Do you hunt in or near a food plot? ☐[1] Yes ☐[0] No

29. Have you ever killed a bear in Virginia? ☐[1] Yes ☐[0] No

30. If you have the opportunity to harvest a bear, would you? ☐[1] Yes ☐[0] No

Questions 31-48 pertain to hunting DEER. If you did not hunt DEER during the 2013-2014 season, skip to question 49.

31. Please indicate the county where you most often hunted DEER during the 2013-2014 season. _____ County

32. How would you rate the size of the deer herd in the area you hunted deer the most in the 2013-2014 season.

Low			**Moderate**			**High**
☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]

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

- ☐[3] Increase the herd
- ☐[2] Stabilize the herd
- ☐[1] Decrease the herd
- ☐[0] No opinion

34. When compared to previous years, would you say the number of deer in the area you hunted in 2013-2014: (✓ only one)

- ☐[5] Declined dramatically
- ☐[4] Declined
- ☐[3] Remained about the same
- ☐[2] Increased
- ☐[1] Increased dramatically
- ☐[0] No opinion

35. Overall, how would you rate the quality of the following DEER seasons during 2013-2014?

	Poor			**Adequate**			**Excellent**
A Archery	☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]
B Muzzleloader	☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]
C Firearms	☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]

36. In the area where you hunt DEER the most, how would you change the number of DOE DAYS? (✓ only one)

- ☐[3] Increase the number of doe days
- ☐[2] Keep the number of doe days the same
- ☐[1] Decrease the number of doe days
- ☐[0] No opinion

37. How often do you hunt from an elevated tree stand? (✓ only one)

- ☐[3] Always
- ☐[2] Often
- ☐[1] Occasionally
- ☐[0] Never. (skip to Question 39)

38. When hunting from an elevated tree stand, how often do you use a safety harness?

- ☐[3] Always
- ☐[2] Often
- ☐[1] Occasionally
- ☐[0] Never

39. Please indicate the degree to which you would support or oppose a requirement for the use of a safety harness when hunting from an elevated tree stand on the following types of land.

	Strongly Oppose			Neither Oppose nor Support			Strongly Support
A Public land	☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]
B Statewide (on public and private land)	☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]

40. Please indicate the degree to which you would support or oppose the following options for the placement of either-sex days during the general firearms season.

	Strongly Oppose			Neither Oppose nor Support			Strongly Support
A On Saturday or Sundays during the season.	☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]
B At the end of the season.	☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]
C Around the Thanksgiving and Christmas holidays.	☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]

41. How often do you use lures or attractants while hunting deer?

- ☐[3] Always
- ☐[2] Often
- ☐[1] Occasionally
- ☐[0] Never

42. If you use lures or attractants while hunting deer, what kind do you use most often?

- ☐[2] Natural
- ☐[1] Synthetic
- ☐[0] No not use lures or attractants

43. Please indicate the degree to which you would oppose or support a ban on the use of lures or attractants made from natural deer products (e.g. urine). Biologists are concerned that the use of these products might increase the risk of introducing transmissible diseases into the deer population (e.g., chronic wasting disease).

Strongly Oppose		Neither Oppose nor Support			Strongly Support	
☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]

44. Was there any occasion during the 2013-2014 hunting season when you "passed up" a deer (i.e., you chose not to shoot a deer, even though it would have been a safe, feasible, legal shot)?

- ☐[1] Yes
- ☐[0] No (skip to Question 47)

45. If you answered "yes" to Question 44, please indicate the number of deer in each category below that you "passed up".

	0	1	2	3	4+
A Antlered bucks.	☐[0]	☐[1]	☐[2]	☐[3]	☐[4]
B Adult does.	☐[0]	☐[1]	☐[2]	☐[3]	☐[4]
C Fawns.	☐[0]	☐[1]	☐[2]	☐[3]	☐[4]
D Unknown	☐[0]	☐[1]	☐[2]	☐[3]	☐[4]

46. If you answered "yes" to Question 44, please check the statement(s) that best describe why you "passed up" one or more deer: (✓ all that apply)

- ☐A I already killed other deer and didn't want to kill another.
- ☐B I was concerned about low deer population levels where I hunt.
- ☐C I was unable to kill the deer due to rules on the property where I hunt.
- ☐D I didn't want to shoot a young/small buck.
- ☐E I didn't want to shoot a doe.
- ☐F I didn't want to shoot a fawn.
- ☐H I _____ (other reason).

47. Please indicate to what extent you would oppose or support adding more apprentice and youth days during the season:

Strongly Oppose		Neither Oppose nor Support			Strongly Support	
☐1	☐2	☐3	☐4	☐5	☐6	☐7

48. Did you participate in the deer apprentice and youth day this past hunting season?

- ☐1 Yes
- ☐0 No

Questions 49-57 pertain to BEAR hunting in 2013-2014. If you did not hunt BEAR during the 2013-2014 season, skip to Question 58.

49. Did you participate in the 2013-2014 bear chase season? ☐1 Yes ☐0 No

50. If you harvested a black bear during the 2013-2014 hunting season, did you harvest it while: (✓ only one)

- ☐1 Deer hunting
- ☐2 Hunting for other game
- ☐3 Hunting specifically for bears

51. Please indicate the number of days you hunted **specifically** for bear during the 2013-2014 season in the following categories:

- A Bear Archery season: _____ Days
- B Bear Muzzleloader season: _____ Days
- C Firearms season without dogs: _____ Days
- D Firearms season with dogs: _____ Days

52. If you harvested a black bear during the 2013-2014 hunting season while hunting for other game, when did you harvest it? (✓ only one)

- ☐1 Archery season
- ☐2 Muzzleloader season
- ☐3 Firearms season without dogs
- ☐4 Firearms season with dogs

53. If you harvested a black bear during the 2013-2014 hunting season, what did you do with the carcass: (✓ all that apply)

- ☐A Consumed the meat
- ☐B Gave the meat to others to consume
- ☐C Made use of the hide
- ☐D Had the bear mounted

54. If you did not harvest a bear during the 2013-2014 season what do you feel was the primary reason: (✓ only one)

- ☐1 Bears too hard to find.
- ☐2 No interest in harvesting a bear
- ☐3 Do not like bear meat.
- ☐4 Already killed a bear in my lifetime.
- ☐5 Other _____

55. During the 2013-2014 season, was there an instance where you believe you injured a bear you were hunting, but were unable to find the animal? ☐1 Yes ☐0 No

56. How would you rate the importance of hunting bear against other species?

- ☐3 More important than hunting other species.
- ☐2 As important as hunting other species.
- ☐1 Less important than hunting other species.

57. Please indicate the degree to which you would support or oppose starting an early bear season prior to bear archery season that would be open for all types of hunting methods (archery, muzzleloader, firearms, and dogs).

Strongly Oppose		Neither Oppose nor Support			Strongly Support	
☐1	☐2	☐3	☐4	☐5	☐6	☐7

Questions 58-64 pertain to TURKEY hunting in 2013-2014. If you did not hunt TURKEY in 2013-2014, please skip to question 65.

58. Please indicate the county where you most often hunted Fall Turkeys during 2013. If you did not hunt turkeys in the Fall 2013, skip to Question 60.

Name of county: _____

59. Overall, how do you rate the quality of your 2013 Fall turkey season?

Poor			Adequate			Excellent
☐1	☐2	☐5	☐4	☐5	☐6	☐7

60. Please indicate the county where you most often hunted Spring Turkeys during 2014 (Spring turkey season this year). If you did not hunt turkeys in the Spring 2014, skip to Question 62.

Name of county: _____

61. Overall, how do you rate the quality of your 2014 Spring turkey season?

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

62. If you hunt turkeys on National forest land do you believe TURKEY populations on those lands are:

- ☐3 Increasing
- ☐2 Stable
- ☐1 Decreasing
- ☐4 I did not hunt on National Forest lands.

63. Please imagine an EXCELLENT FALL TURKEY SEASON. In the next few questions, please indicate how essential the following attributes are to an excellent turkey season:

	Not at all essential for excellence		Nice, but not essential			Absolutely essential for excellence	
A. Getting away from civilization	☐1	☐2	☐3	☐4	☐5	☐6	☐7
B. Being close to nature	☐1	☐2	☐3	☐4	☐5	☐6	☐7
C. Getting away from everyday problems (job, family, etc.)	☐1	☐2	☐3	☐4	☐5	☐6	☐7
D. Maintaining and/or using my calls and hunting equipment	☐1	☐2	☐3	☐4	☐5	☐6	☐7
E. Spending sufficient time scouting the areas I intend to hunt	☐1	☐2	☐3	☐4	☐5	☐6	☐7
F. Seeing turkeys while hunting	☐1	☐2	☐3	☐4	☐5	☐6	☐7
G. Hearing turkeys while hunting	☐1	☐2	☐3	☐4	☐5	☐6	☐7
H. Seeing and hearing other wildlife while hunting	☐1	☐2	☐3	☐4	☐5	☐6	☐7
I. Seeing very few other hunters while hunting	☐1	☐2	☐3	☐4	☐5	☐6	☐7
J. Feeling safe while in the woods	☐1	☐2	☐3	☐4	☐5	☐6	☐7
K. Being with my hunting companions	☐1	☐2	☐3	☐4	☐5	☐6	☐7
L. Having a good place to hunt	☐1	☐2	☐3	☐4	☐5	☐6	☐7
M. Teaching someone the skills for hunting turkeys	☐1	☐2	☐3	☐4	☐5	☐6	☐7
N. Calling turkeys successfully	☐1	☐2	☐3	☐4	☐5	☐6	☐7
O. Hunting turkeys with a dog	☐1	☐2	☐3	☐4	☐5	☐6	☐7
P. Hunting turkeys with other game the second week of the season during Deer Muzzleloader	☐1	☐2	☐3	☐4	☐5	☐6	☐7
Q. Hunting turkeys the first week of the season before Deer Muzzleloader	☐1	☐2	☐3	☐4	☐5	☐6	☐7
R. Hunting turkeys on Thanksgiving Day	☐1	☐2	☐3	☐4	☐5	☐6	☐7
S. Hunting turkeys with other game during the later weeks of the season	☐1	☐2	☐3	☐4	☐5	☐6	☐7
T. Getting a shot at a turkey	☐1	☐2	☐3	☐4	☐5	☐6	☐7
U. Bagging a turkey	☐1	☐2	☐3	☐4	☐5	☐6	☐7
V. Bagging a limit of turkeys	☐1	☐2	☐3	☐4	☐5	☐6	☐7
W. Bringing home a turkey to eat	☐1	☐2	☐3	☐4	☐5	☐6	☐7

64. Please imagine an EXCELLENT SPRING TURKEY SEASON. In the next few questions, please indicate how essential the following attributes are to an excellent turkey season:

	Not at all essential for excellence			Nice, but not essential		Absolutely essential for excellence	
A. Getting away from civilization	☐1	☐2	☐3	☐4	☐5	☐6	☐7
B. Being close to nature	☐1	☐2	☐3	☐4	☐5	☐6	☐7
C. Getting away from everyday problems (job, family, etc.)	☐1	☐2	☐3	☐4	☐5	☐6	☐7
D. Maintaining and/or using my calls and hunting equipment	☐1	☐2	☐3	☐4	☐5	☐6	☐7
E. Spending sufficient time scouting the areas I intend to hunt	☐1	☐2	☐3	☐4	☐5	☐6	☐7
F. Seeing turkeys while hunting	☐1	☐2	☐3	☐4	☐5	☐6	☐7
G. Hearing turkeys while hunting	☐1	☐2	☐3	☐4	☐5	☐6	☐7
H. Seeing and hearing other wildlife while hunting	☐1	☐2	☐3	☐4	☐5	☐6	☐7
I. Seeing very few other hunters while hunting	☐1	☐2	☐3	☐4	☐5	☐6	☐7
J. Feeling safe while in the woods	☐1	☐2	☐3	☐4	☐5	☐6	☐7
K. Being with my hunting companions	☐1	☐2	☐3	☐4	☐5	☐6	☐7
L. Having a good place to hunt	☐1	☐2	☐3	☐4	☐5	☐6	☐7
M. Teaching someone the skills for hunting turkeys	☐1	☐2	☐3	☐4	☐5	☐6	☐7
N. Calling turkeys successfully	☐1	☐2	☐3	☐4	☐5	☐6	☐7
O. Hunting turkeys with a dog	☐1	☐2	☐3	☐4	☐5	☐6	☐7
P. Hunting turkeys with other game the second week of the season during Deer Muzzleloader	☐1	☐2	☐3	☐4	☐5	☐6	☐7
Q. Hunting turkeys the first week of the season before Deer Muzzleloader	☐1	☐2	☐3	☐4	☐5	☐6	☐7
R. Hunting turkeys on Thanksgiving Day	☐1	☐2	☐3	☐4	☐5	☐6	☐7
S. Hunting turkeys with other game during the later weeks of the season	☐1	☐2	☐3	☐4	☐5	☐6	☐7
T. Getting a shot at a turkey	☐1	☐2	☐3	☐4	☐5	☐6	☐7
U. Bagging a turkey	☐1	☐2	☐3	☐4	☐5	☐6	☐7
V. Bagging a limit of turkeys	☐1	☐2	☐3	☐4	☐5	☐6	☐7
W. Bringing home a turkey to eat	☐1	☐2	☐3	☐4	☐5	☐6	☐7

Questions 65-70 pertain to QUAIL, SQUIRREL, AND RABBIT hunting in 2013-2014. If you did not hunt QUAIL, SQUIRREL, OR RABBIT in 2013-2014, please skip to question 74.

65. How would you describe your interest in Quail hunting? (✓ only one)

☐1 Incidental Quail Hunter (shoot quail while hunting primarily for other game)

☐2 Occasional quail hunter (hunt with a friend who has bird dogs)

☐3 Quail hunter (have bird dogs, hunt 1-10 times per year)

☐4 Avid quail hunter (have bird dogs, hunt more than 10 times per year)

66. Indicate the degree to which you would support or oppose closing the season for quail west of the Blue Ridge:

Strongly Oppose			Neither Support nor Oppose			Strongly Support
☐1	☐2	☐3	☐4	☐5	☐6	☐7

67. How would you describe the places where you hunted quail during the 2013-2014 season? (✓ all that apply)

☐A Areas with wild quail only

☐B Areas where some form of preseason release occurred

☐C Areas where birds were released the same day or shortly before hunting

68. How much do you spend annually on hunting upland game birds (shells, licenses, dog food, gas, lodging, other equipment etc.)? $_____

69. Are you aware of Virginia's Quail Recovery Initiative? ☐[1] Yes ☐[0] No

70. Please indicate the number of days you spent squirrel hunting during the following months:

A September: _____
B October: _____
C November: _____
D December: _____
E January: _____
F February: _____

71. If you hunted during the 2014 SPRING SQUIRREL season, how would you rate the quality of your experience?

Poor			Adequate			Excellent
☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]

72. Please indicate the degree to which you would support or oppose continuing the SPRING SQUIRREL season:

Strongly Oppose			Neither Support nor Oppose			Strongly Support
☐[1]	☐[2]	☐[3]	☐[4]	☐[5]	☐[6]	☐[7]

73. Please indicate the number of days you spent rabbit hunting during the following months:

A November: _____
B December: _____
C January: _____
D February: _____

Questions 74-77 are about you.

74. Do you have access to the internet from your home? ☐[1] Yes ☐[0] No

75. How old are you? _____ Years

76. Are you? ☐[1] Male ☐[0] Female

77. Please indicate the county or independent city where you reside in Virginia.

_____ County or City

Thank you, for completing the Virginia Department of Game and Inland Fisheries 2013-2014 Hunter Survey.

Please return the competed survey in the self-address stamped envelope provided.

APPENDIX B

Molly J. Ward
Secretary of Natural Resources

COMMONWEALTH of VIRGINIA
Department of Game and Inland Fisheries

Robert W. Duncan
Executive Director

June 13, 2014

First Name Last Name
Street Address
City, State, Zip

Dear First Name:

Enclosed you will find the 2013-2014 Hunter Harvest Survey. This survey is being conducted by the Wason Center for Public Policy at Christopher Newport University for the Virginia Department of Game and Inland Fisheries.

This survey is being sent to a random sample of Virginia licensed hunters and it is important that every recipient send in a response. All information on this survey is **completely confidential**. No personally identifiable information is being collected so that responses cannot be tied to an individual. A postage-paid envelope has been enclosed for your convenience in returning the completed questionnaire.

If you have questions or comments about this survey, please do not hesitate to contact me via phone at (757) 594-8033, email at **qkidd@cnu.edu**, or mail at Wason Center for Public Policy, Christopher Newport University, McMurran Hall 264, Newport News, VA 23601. You may also contact Jay Howell with the Virginia Department of Game and Inland Fisheries at (804) 641-9694, or **jay.howell@dgif.virginia.gov**.

Your assistance in providing information is appreciated and important for an effective animal management program in Virginia. Please complete and return the questionnaire **within the next 10 days**.

Sincerely,

Dr. Quentin Kidd
Christopher Newport University

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

APPENDIX C

2013-2014
Virginia Hunter
Harvest Survey

This is a friendly reminder to fill out and return your 2013-2014 Virginia Hunter Harvest Survey. The information gathered through this survey helps produce an effective furbearer management program in Virginia for future trappers. If you have any questions, please e-mail or call: qkidd@cnu.edu or 757-594-8499.
Thank you,

Quentin Kidd
Christopher Newport University

APPENDIX D

Molly J. Ward
Secretary of Natural Resources

COMMONWEALTH of VIRGINIA
Department of Game and Inland Fisheries

Robert W. Duncan
Executive Director

July 20, 2014

First Name Last Name
Street Address
City, State, Zip

Dear First Name:

A few weeks ago we sent you the 2013-14 Virginia Hunter Harvest Survey. Sometimes there is a delay in our recording survey results, so if you have completed and returned the survey already, thank you and please disregard this reminder. Do not complete and return a second survey. If you have not yet completed the 2013-2014 Virginia Hunter Harvest Survey, please do so now. This will be your last opportunity to participate in this year's study, designed to estimate the statewide harvest during the 2013-14 hunting season.

This survey is being sent to a random sample of Virginia licensed hunters and it is important that every recipient send in a response. All information on this survey is **completely confidential**. No personally identifiable information is being collected so that responses cannot be tied to an individual. A postage-paid envelope has been enclosed for your convenience in returning the completed questionnaire.

If you have questions or comments about this survey, please do not hesitate to contact me via phone at (757) 594-8033, email at **qkidd@cnu.edu**, or mail at Wason Center for Public Policy, Christopher Newport University, McMurran Hall 264, Newport News, VA 23601. You may also contact Jay Howell with the Virginia Department of Game and Inland Fisheries at (804) 641-9694, or **jay.howell@dgif.virginia.gov**.

Your assistance in providing information is appreciated and important for an effective animal management program in Virginia. Please complete and return the questionnaire **within the next 10 days**.

Sincerely,

Dr. Quentin Kidd
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(804) 367-1000 (V/TDD) ***Equal Opportunity Employment, Programs and Facilities*** **FAX (804) 367-9147**