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Illinois Natural History Survey  
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University of Illinois at  
Urbana-Champaign



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# 2019-2020 Illinois Hunter Harvest Report



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2019-20  
ILLINOIS HUNTER HARVEST REPORT

JOB COMPLETION REPORT

WILDLIFE HARVEST AND  
HUMAN DIMENSIONS RESEARCH PROGRAM

STATE OF ILLINOIS

PROJECT NUMBER: W-112-R-29  
STUDY 101  
JOB NO. 101.1

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Federal Aid in Wildlife Restoration  
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## SECTION 1: HUNTER HARVEST

LIST OF FIGURES	<u>Page</u>
Figure 1.1.....Number of resident hunting licenses purchased in Illinois, 1940-2019.....	3
Figure 1.2.....Percentage of hunters who purchased a hunting license in 2019.....	3
Figure 1.3.....Percentage of license purchasers who hunted any wildlife species in Illinois between March 2019 and February 2020 ..	3
Figure 1.4.....Illinois rabbit harvest and hunter activity 2009-2019.....	5
Figure 1.5.....Number of days per hunter, harvest per hunter, and harvest per day per hunter from 2009-2019 for rabbit hunting in Illinois.....	5
Figure 1.6.....Illinois dove harvest and hunter activity 2009-2019 .....	6
Figure 1.7.....Illinois fox squirrel harvest and hunter activity 2009-2019.....	6
Figure 1.8.....Illinois gray squirrel harvest and hunter activity 2009-2019 .....	7
Figure 1.9.....Illinois coyote harvest and hunter activity 2009-2019.....	7

LIST OF TABLES	<u>Page</u>
Table 1.1 .....Number of resident hunting licenses purchased in Illinois, 1938-2019.....	8
Table 1.2 .....Summary of statewide data from the 2019-2020 Hunter Harvest Survey.....	9
Table 1.3 .....Estimated number of resident licensed hunters and harvest in Illinois.....	10
Table 1.4 .....Rabbit hunting effort and harvest in Wildlife Management Units (WMU).....	11
Table 1.5 .....Non-wild quail hunting effort and harvest in Wildlife Management Units (WMU) .....	11
Table 1.6 .....Wild quail hunting effort and harvest in Wildlife Management Units (WMU).....	12
Table 1.7 .....Non-wild pheasant hunting effort and harvest in Wildlife Management Units (WMU).....	12
Table 1.8 .....Wild pheasant hunting effort and harvest in Wildlife Management Units (WMU).....	13
Table 1.9 .....Dove hunting effort and harvest in Wildlife Management Units (WMU).....	13
Table 1.10 .....Woodcock hunting effort and harvest in Wildlife Management Units (WMU).....	14
Table 1.11 .....Crow hunting effort and harvest in Wildlife Management Units (WMU).....	14
Table 1.12 .....Groundhog hunting effort and harvest in Wildlife Management Units (WMU).....	15
Table 1.13 .....Gray squirrel hunting effort and harvest in Wildlife Management Units (WMU) .....	15
Table 1.14 .....Fox squirrel hunting effort and harvest in Wildlife Management Units (WMU).....	16
Table 1.15 .....Raccoon hunting effort and harvest in Wildlife Management Units (WMU).....	16
Table 1.16 .....Red fox hunting effort and harvest in Wildlife Management Units (WMU) .....	17
Table 1.17 .....Gray fox hunting effort and harvest in Wildlife Management Units (WMU).....	17
Table 1.18 .....Coyote hunting effort and harvest in Wildlife Management Units (WMU).....	18
Table 1.19 .....Opossum hunting effort and harvest in Wildlife Management Units (WMU).....	18
Table 1.20 .....Percent change in harvest from 2018-19 to 2019-20 in Wildlife Management Units for selected species .....	19
Table 1.21 .....Rabbit hunting effort and harvest in Administrative Regions (AR).....	20
Table 1.22 .....Non-wild quail hunting effort and harvest in Administrative Regions (AR) .....	20
Table 1.23 .....Wild quail hunting effort and harvest in Administrative Regions (AR) .....	21
Table 1.24 .....Non-wild pheasant hunting effort and harvest in Administrative Regions (AR).....	21
Table 1.25 .....Wild pheasant hunting effort and harvest in Administrative Regions (AR).....	22
Table 1.26 .....Dove hunting effort and harvest in Administrative Regions (AR).....	22
Table 1.27 .....Woodcock hunting effort and harvest in Administrative Regions (AR) .....	23
Table 1.28 .....Crow hunting effort and harvest in Administrative Regions (AR).....	23
Table 1.29 .....Groundhog hunting effort and harvest in Administrative Regions (AR).....	24
Table 1.30 .....Gray squirrel hunting effort and harvest in Administrative Regions (AR) .....	24
Table 1.31 .....Fox squirrel hunting effort and harvest in Administrative Regions (AR) .....	25
Table 1.32 .....Raccoon hunting effort and harvest in Administrative Regions (AR).....	25
Table 1.33 .....Red fox hunting effort and harvest in Administrative Regions (AR) .....	26
Table 1.34 .....Gray fox hunting effort and harvest in Administrative Regions (AR).....	26
Table 1.35 .....Coyote hunting effort and harvest in Administrative Regions (AR) .....	27
Table 1.36 .....Opossum hunting effort and harvest in Administrative Regions (AR) .....	27
Table 1.37 .....Percent change in harvest from 2018-19 to 2019-20 in Administrative Regions for selected species .....	28
Table 1.38 .....Distribution of hunting effort and harvest in 2019 .....	29
Table 1.39 .....Statewide data from resident Illinois hunters, 2009-2019 .....	34
Table 1.40 .....Percent change in statewide harvest by species (1-year, 5-year, 10-year) .....	40

**SECTION 2: HUNTER ATTITUDES AND OPINIONS**

<b>LIST OF FIGURES</b>	<b><u>Page</u></b>
Figure 2.1..... Hunted small game on public land in Illinois .....	42
Figure 2.2..... Applied for a Free Upland Hunting permit in Illinois .....	42
Figure 2.3..... Hunted during the controlled pheasant hunting season on an IDNR operated area .....	43
Figure 2.4..... Percent of hunters that observed dead deer from July through October 2019 .....	44
Figure 2.5..... Percent of hunters that reported dead deer they observed to the IDNR .....	44
Figure 2.6..... Percentage of deer hunters who use the White-tailed Deer Illinois website .....	45
Figure 2.7..... Percentage of deer hunters who think IDNR should implement a statewide program to increase the number of hunters to help control Chronic Wasting Disease through hunting .....	45
Figure 2.8..... Gender distribution of Illinois hunters .....	46

<b>LIST OF TABLES</b>	<b><u>Page</u></b>
Table 2.1 ..... Satisfaction with wild pheasant hunting in Illinois .....	48
Table 2.2 ..... Satisfaction with rabbit hunting in Illinois .....	48
Table 2.3 ..... Satisfaction with squirrel hunting in Illinois .....	48
Table 2.4 ..... Number of days hunted and approximate distance traveled while hunting small game on public land in Illinois .....	49
Table 2.5 ..... Satisfaction with hunting on public land during the small game season in Illinois .....	49
Table 2.6 ..... Number of dead deer Illinois hunters reported to the IDNR during 2019 .....	49
Table 2.7 ..... Top Illinois counties in which hunters observed deer believed to have died from EHD or BTV .....	50
Table 2.8 ..... Deer hunters' perceptions of the impact of EHD and BTV on the deer population in areas hunted during 2019 .....	50
Table 2.9 ..... Deer hunters' perceptions of the impact of EHD and BTV on the Illinois deer population during 2019 .....	51
Table 2.10 ..... Change in number of deer seen by Illinois deer hunters during the 2019-20 season compared to 5-years ago .....	51
Table 2.11 ..... Change in number of deer harvested by Illinois deer hunters during the 2019-20 deer season compared to 5-years ago .....	51

<b>LIST OF APPENDICES</b>	<b><u>Page</u></b>
Appendix A..... Illinois Hunter Harvest Survey: 2019-20 Season .....	52
Appendix B..... Cover letter sent with first mailing of the 2019-20 Illinois Hunter Harvest Survey .....	60
Appendix C..... Thank you/reminder postcard sent as follow-up to the mailings .....	62
Appendix D..... Cover letter sent with second mailing of the 2019-20 Illinois Hunter Harvest Survey .....	63
Appendix E..... Cover letter sent with third mailing of the 2019-20 Illinois Hunter Harvest Survey .....	65
Appendix F..... Map of IDNR Wildlife Management Units .....	67
Appendix G..... Map of IDNR Administrative Regions .....	68
Appendix H..... Season dates, bag limits, and shooting hours for the 2019-20 hunting season in Illinois .....	69

## **ABSTRACT**

A random sample of 5,000 hunters was selected from adult 2019 Illinois resident Habitat Stamp and hunting license holders. Selected individuals were mailed an 8-page self-administered questionnaire designed to query hunters about their hunting activities and harvest in Illinois. We received 2,406 questionnaires, 2,198 of which were usable, for a 45% response rate. Illinois resident license sales decreased 3% from 2018-19 (250,007) to 242,704 for the 2019-20 seasons. Total days afield decreased for rabbit, quail, pheasant, dove, woodcock, crow, groundhog, raccoon, red fox, and gray fox. Harvest increased for 9 game species (wild quail, crow, gray squirrel, fox squirrel, turkey, deer, gray fox, coyote, and opossum) from 2018-19. Hunters were also asked questions regarding hunting activity and harvest in Illinois, satisfaction with small game hunting, and perceived effects of Epizootic Hemorrhagic Disease (EHD) and Blue Tongue Virus (BTV) on deer hunting. Estimates of wild quail and pheasant harvested beginning during 2011-12 were calculated differently than previous estimates to include harvest of captive-raised birds distinct from wild birds, so comparisons across years are to be made with caution.

## **OBJECTIVE**

To survey resident hunters (18-24 game animal categories) annually to determine their activities and harvest in Illinois.

## **METHODS**

A random sample of 5,000 hunters was selected from the Illinois resident hunting license database to receive questionnaires regarding harvest(s) in Illinois during the 2019-20 hunting seasons. All Illinois resident license types were included in the sample frame except for Youth License holders ( $n = 14,484$ ). Methods for survey questionnaire mailings and follow-up reminders followed those of Miller et al. (1999). We mailed recipients a self-administered, 8-page questionnaire (Appendix A), cover letter (Appendix B), and postage-paid return envelope (hereafter referred to as survey packet) 17 April 2020. This mailing was followed with a thank

you/reminder postcard (Appendix C) 15 May 2020. On 4 June 2020, a survey packet was mailed to non-respondents, and a second thank you/reminder postcard was mailed 29 June 2020. A final survey packet was mailed 16 July 2020. Data were coded, entered, and analyzed using SPSS 27.0 (SPSS Inc. 2019). Estimates for species harvested, number of hunters, and days afield were computed using the formulas in Anderson and Campbell (1993). Harvest estimates of game species included only those harvested by Illinois resident hunters; non-resident harvests were not included.

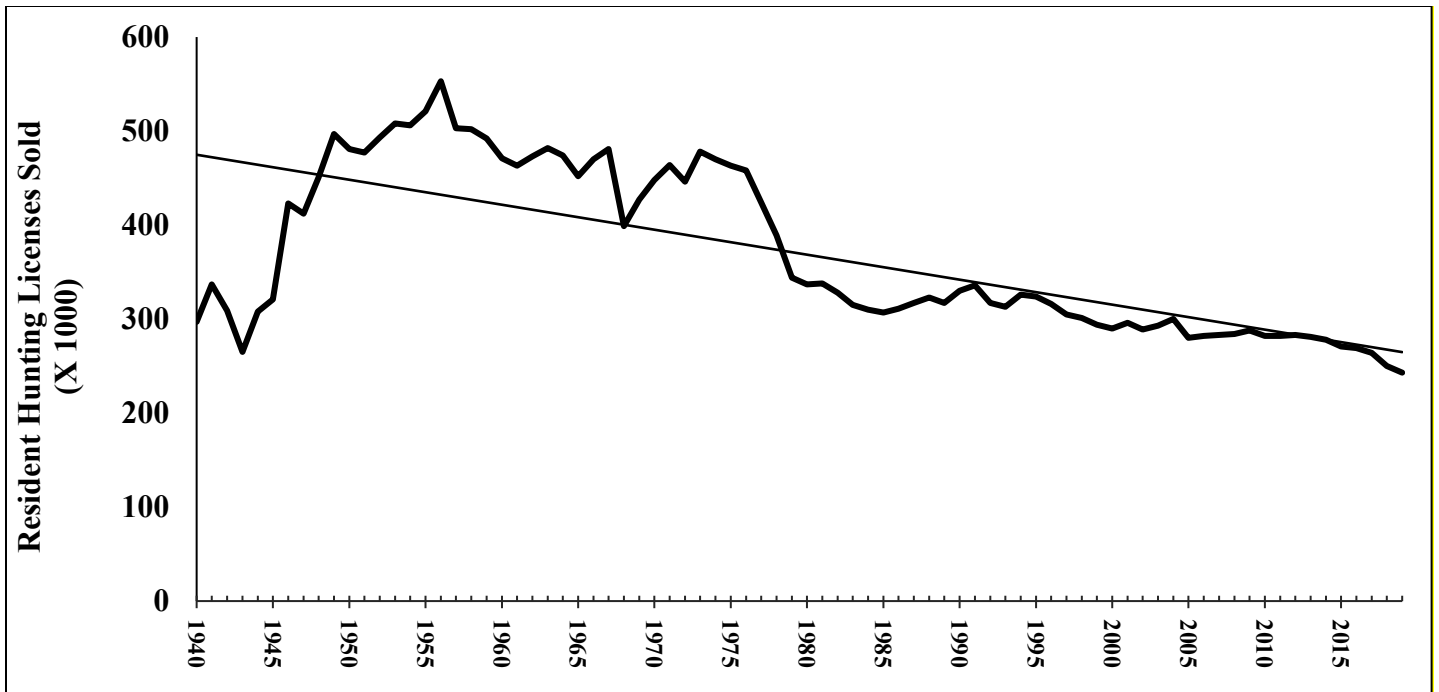
Prior to 2011-12, no effort was made to distinguish wild pheasant or wild quail from captive-raised birds harvested on put-and-take operations in harvest estimates and reporting. Beginning with the 2011-12 survey, hunters were provided options for separate reporting wild bird and captive bird effort and harvest. During 2012-13, a different method of reporting was used, and respondents were asked to provide harvest and effort for birds with no prompt as to whether they were wild or non-wild. In a follow up section, hunters were asked to provide their effort and harvest for shooting preserves. For that year only estimates for wild effort and harvest were made by subtracting the reported shooting preserve numbers from the total reported. Questionnaires from 2013-14 to present use the 2011-12 line of inquiry, and hunters are asked to separately provide wild and non-wild harvest and effort. Therefore, comparisons across years are to be made with caution.

## **RESULTS**

### **Section 1 – Hunter Harvest**

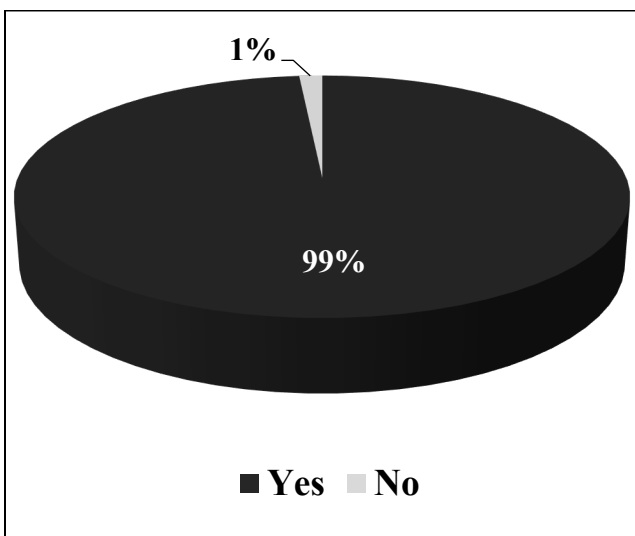
#### ***License Sales***

We sampled 5,000 Illinois resident hunters and received 2,198 usable questionnaires for a 45% response rate. A total of 242,704 (including youth) Illinois residents purchased hunting licenses during 2019-20 hunting seasons, a 3% decrease from 2018-19 (250,007; Figure 1.1, Table 1.1).

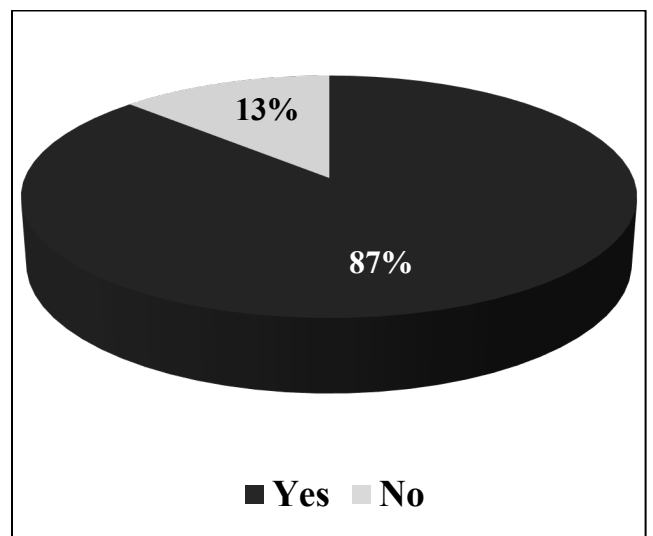


**Figure 1.1.** Number of resident hunting licenses purchased in Illinois, 1940-2019.

Most respondents (99%) reported that they purchased a hunting license during 2019 (Figure 1.2) and 87% indicated that they hunted in Illinois during the 2019-20 hunting seasons (March 2019 – February 2020) (Figure 1.3). Over one-quarter (27%) of hunting license holders reported that they purchased their hunting license online and 60% of online license purchasers saved their license as a PDF.



**Figure 1.2.** Percentage of hunters who purchased a hunting license in 2019 ( $n = 2,196$ ).



**Figure 1.3.** Percentage of license purchasers who hunted any wildlife species in Illinois between March 2019 and February 2020 ( $n = 2,166$ ).



## *Harvest*

Harvest estimates for large and small game are presented in Table 1.2; 95% confidence intervals (CI) for all species are provided in Table 1.3. Harvest estimates for the 14 species, excluding deer and turkey are presented by wildlife management units (WMUs) and administrative regions in Tables 1.4 - 1.38. Maps of WMUs and administrative regions are provided in Appendices F and G. Rail and snipe harvest estimates are no longer included in the questionnaires due to no or extremely low participation and harvest data for these species. Similarly, statewide gray fox harvest was very low. Special care should be given when examining these estimates due to small sample sizes and large confidence intervals. In addition, 17 Illinois hunters reported harvesting a total of 39 Eurasian Collared-Doves and 15 were unsure whether they harvested this species during the 2019-20 hunting season. Seventy-one Illinois hunters reported downing but not retrieving a total of 187 mourning doves in Illinois during the 2019-20 season and an additional 22 hunter were unsure. Harvest estimates for all species from 2009 – 2019 are presented in Table 1.39 and percent change in harvest is provided in Table 1.40. Season dates and bag limits for species hunted are in Appendix H.

Estimates from 2019-20 suggest an increased harvest over the previous year for 9 game species: wild quail, crow, gray squirrel, fox squirrel, turkey, deer, gray fox, coyote, and opossum. Decreases in harvest estimates occurred for 7 species: rabbit, wild pheasant, dove, woodcock, groundhog, raccoon, and red fox. Due to changes in methods used to estimate harvest of wild quail and wild pheasant, figures were not comparable to previous estimates (except for 2011-12). Rabbit hunting trends from 2002-2013 and 2014 to current year are not directly comparable due to changes in length of the 2014-15 season (Figure 1.4); however, standardizing harvest for all years by the total estimated days hunted per season made comparisons possible (Figure 1.5). Rabbit hunter effort and harvest reveal that hunter days afield per hunter have remained relatively consistent since 2009. Trends in estimated number of hunters, harvest, and days afield for dove, fox squirrel, gray squirrel, and coyote from 2009-19 are provided in Figures 1.6-1.9.

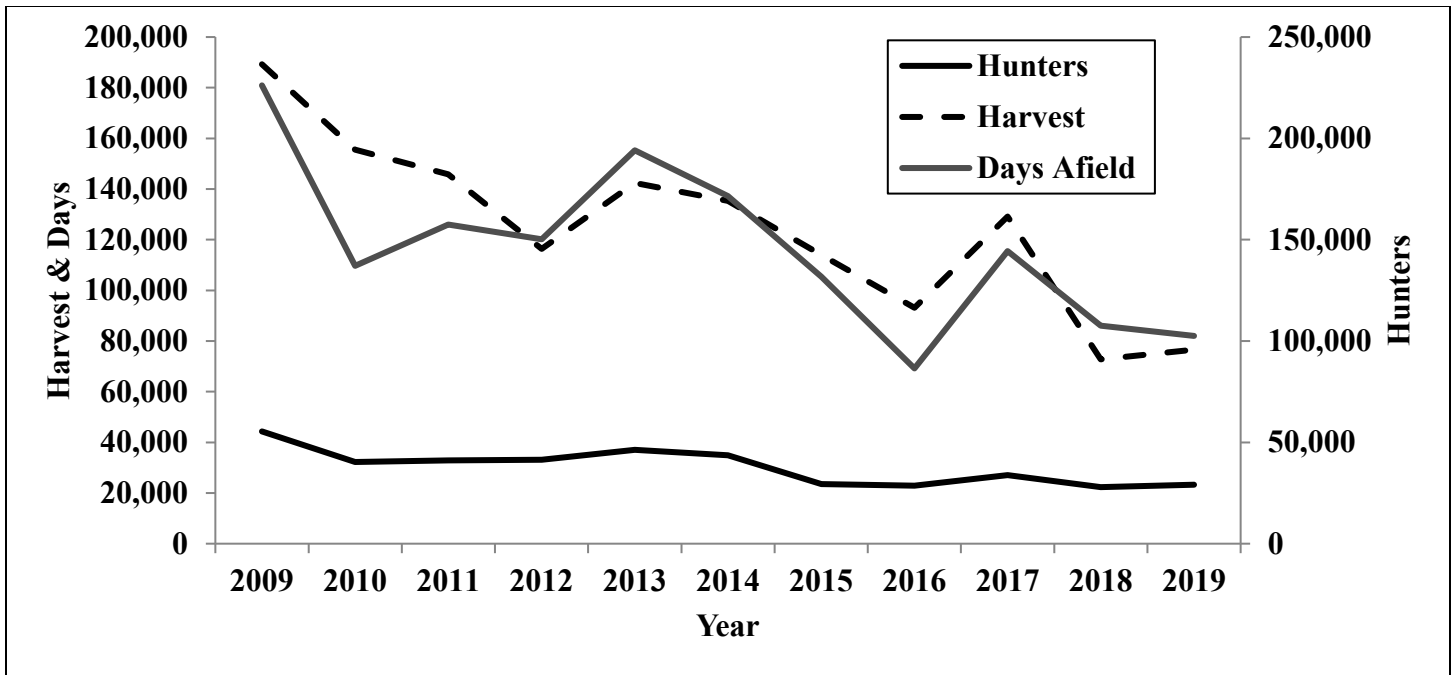


Figure 1.4. Illinois rabbit harvest and hunter activity (2009-2019).

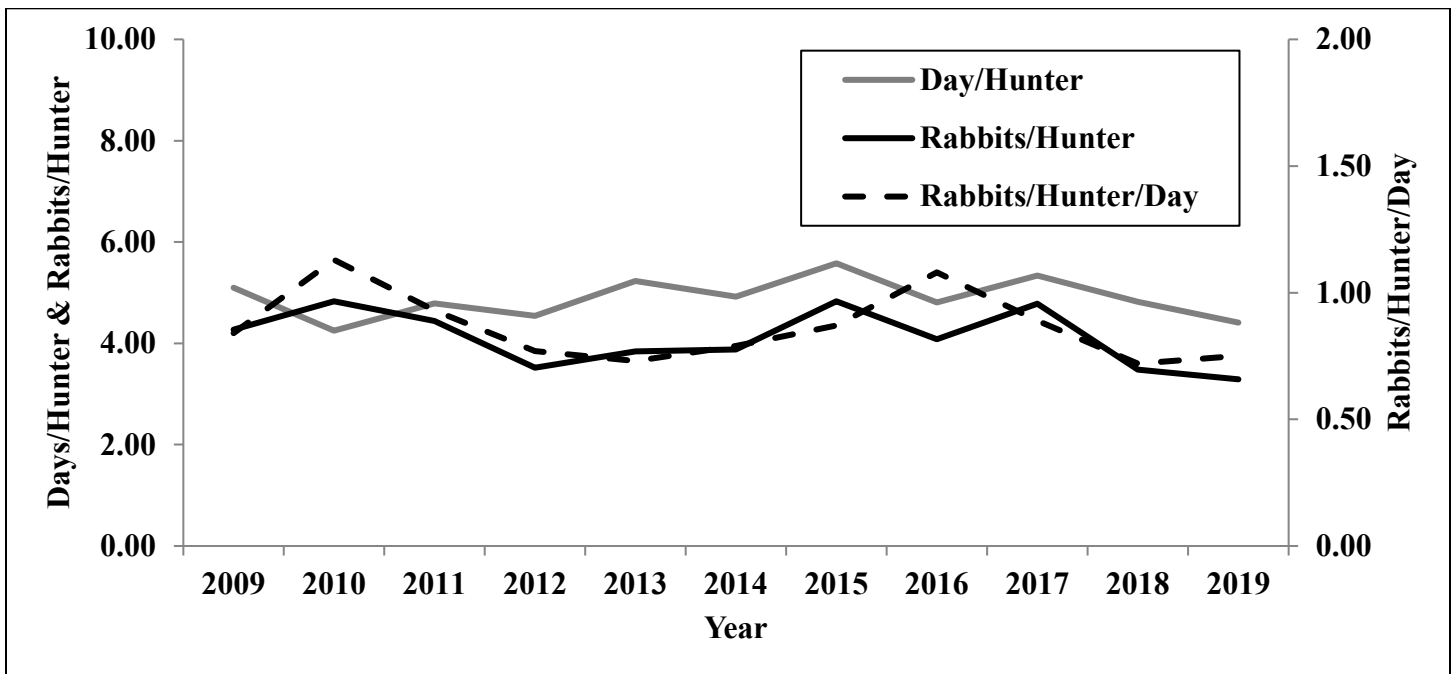


Figure 1.5. Number of days per hunter, harvest per hunter, and harvest per day per hunter from 2009-2019 for rabbit hunting in Illinois.

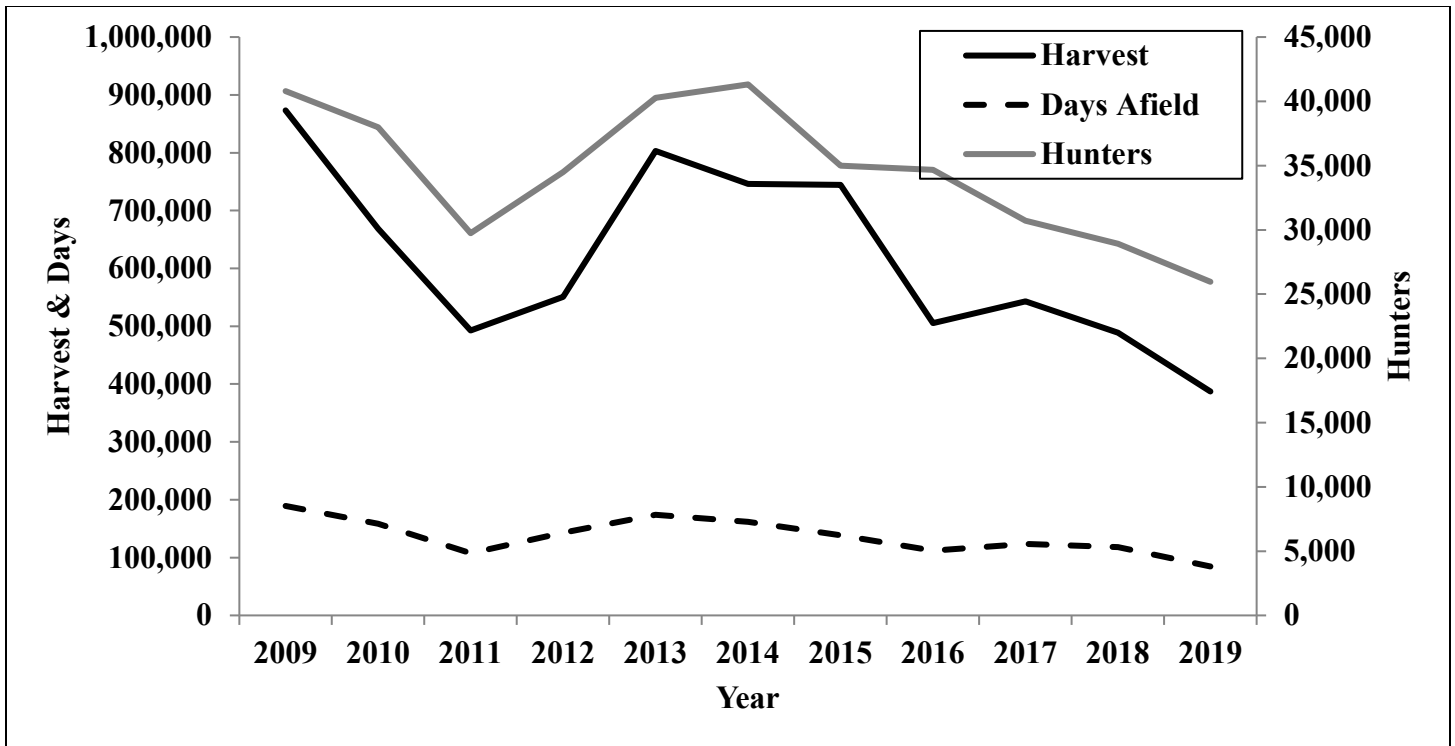


Figure 1.6. Illinois dove harvest and hunter activity (2009-2019).

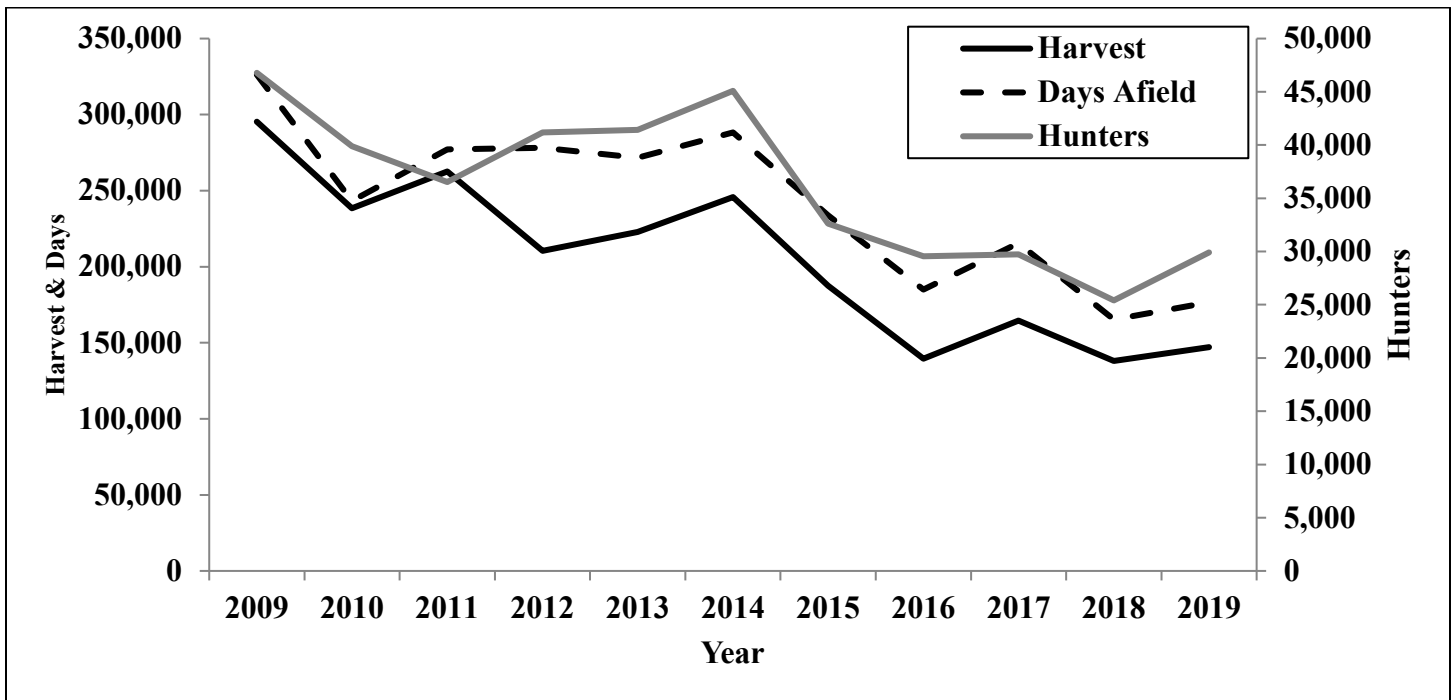


Figure 1.7. Illinois fox squirrel harvest and hunter activity (2009-2019).

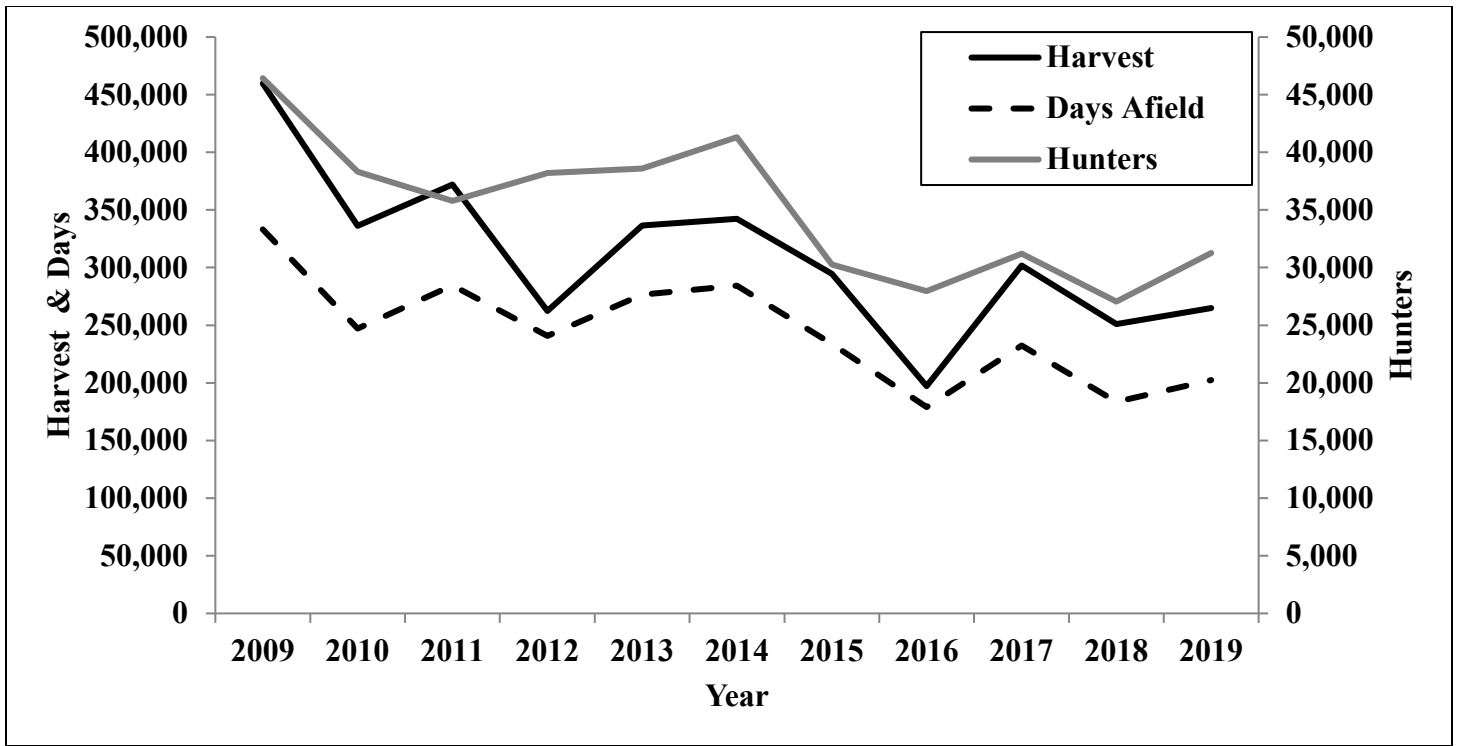


Figure 1.8. Illinois gray squirrel harvest and hunter activity (2009-2019).

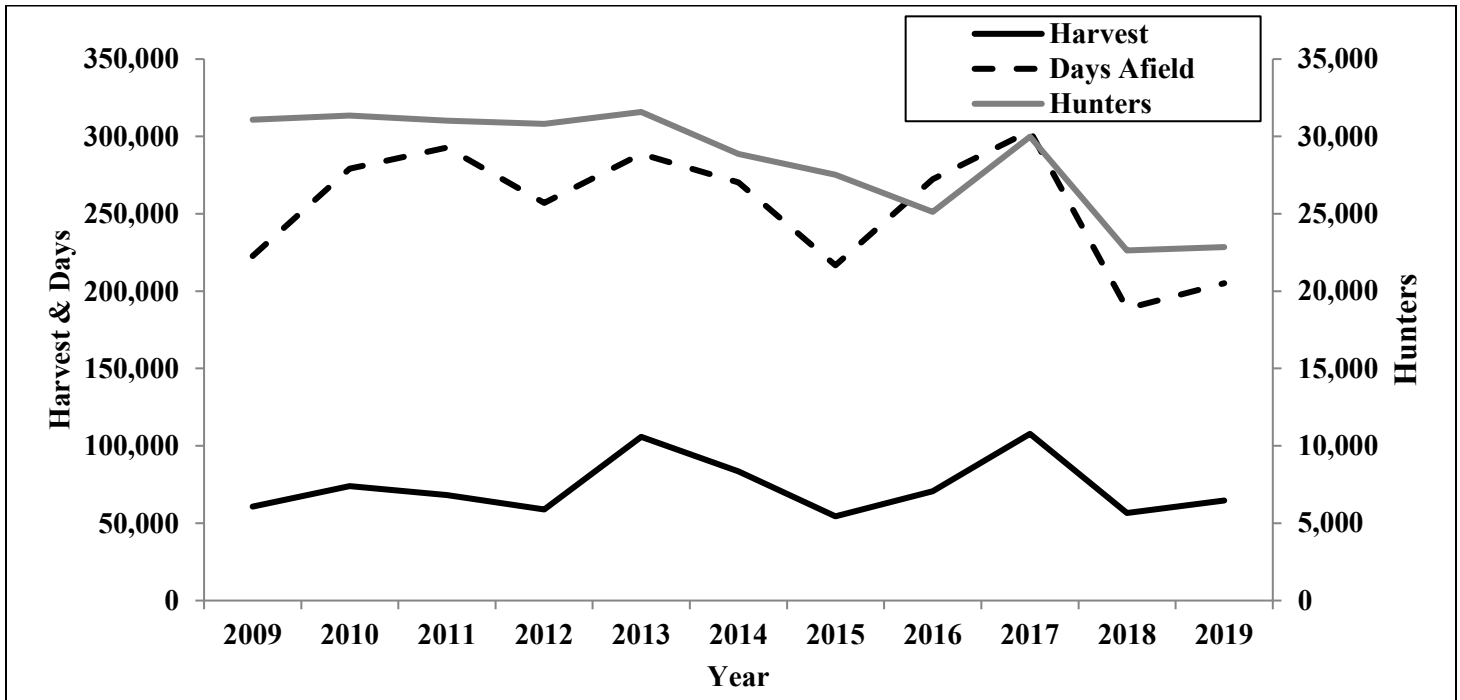


Figure 1.9. Illinois coyote harvest and hunter activity (2009-2019).

**Table 1.1.** Number of resident hunting licenses purchased in Illinois, 1938-2019.

Year	Licenses (x 1,000)	Year	Licenses (x 1,000)
2019	243	1978	389
2018	250	1977	424
2017	264	1976	458
2016	269	1975	463
2015	271	1974	470
2014	278	1973	478
2013	281	1972	446
2012	283	1971	464
2011	282	1970	448
2010	282	1969	427
2009	288	1968	399
2008	284	1967	481
2007	283	1966	470
2006	282 <sup>d</sup>	1965	452
2005	280	1964	474
2004	300	1963	482
2003	293	1962	473
2002	289	1961	463
2001	296	1960	471
2000	290	1959	492
1999	294 <sup>c</sup>	1958	502
1998	301	1957	503
1997	305	1956	553
1996	316	1955	521
1995	324	1954	506
1994	326 <sup>b</sup>	1953	508
1993	313	1952	493
1992	317	1951	477
1991	336	1950	481
1990	330	1949	497
1989	317	1948	451
1988	323	1947	412
1987	317	1946	423
1986	311	1945	321
1985	307	1944	308
1984	310	1943	265
1983	315	1942	309
1982	328	1941	337
1981	338	1940	297
1980	337	1939	322
1979	344 <sup>a</sup>	1938	294

<sup>a</sup> Includes Sportsmen's (combination hunting/fishing) licenses beginning in 1979.

<sup>b</sup> Includes senior citizen ( $\geq 65$  years) hunting licenses beginning in 1994.

<sup>c</sup> Includes senior citizen ( $\geq 65$  years) Sportsmen's (combination hunting/fishing) licenses beginning in 1999.

<sup>d</sup> Includes apprentice hunting licenses beginning in 2006 (Apprentice license sales include non-residents).

**Table 1.2.** Summary of statewide data from the 2019-20 Hunter Harvest Survey ( $n = 2,198$ ).

Species	Total Hunters	Percent of License Sales	Average Bag		Total Harvest	Days Hunting	
			Daily	Season		Average /Hunter	Total Hunter Days
Rabbit	23,258	10.19%	0.75	3.29	76,627	4.41	102,481
Non-Wild Quail	4,049	1.77%	2.82	14.15	57,315	5.03	20,351
Wild Quail	6,749	2.96%	1.15	6.71	45,270	5.82	39,248
Non-Wild Pheasant	17,132	7.51%	2.08	8.52	145,986	4.10	70,190
Wild Pheasant	13,706	6.01%	0.52	1.72	23,570	3.33	45,582
Dove	25,958	11.37%	4.58	14.92	387,185	3.26	84,622
Woodcock	415	0.18%	0.71	1.25	519	1.75	727
Crow	1,350	0.59%	5.71	14.92	20,143	2.62	3,530
Groundhog	2,180	0.96%	0.39	2.48	5,399	6.43	14,017
Gray Squirrel	31,253	13.69%	1.31	8.48	264,976	6.48	202,470
Fox Squirrel	29,903	13.10%	0.83	4.92	147,024	5.91	176,616
Turkey-Spring	40,183	17.61%	0.10	0.46	18,482	4.56	183,365
Turkey-Fall Shotgun	3,530	1.55%	0.06	0.18	623	2.82	9,968
Turkey-Fall Archery*	12,252	5.37%	0.01	0.12	1,454	14.61	179,004
Turkey-Compound/Recurve	8,410	3.69%	0.01	0.09	727	15.17	127,608
Turkey-Crossbow	4,465	1.96%	0.01	0.16	727	11.51	51,396
Deer-Regular Firearm	132,073	57.87%	0.14	0.60	79,846	4.31	569,719
Deer-Muzzleloader	22,116	9.69%	0.09	0.24	5,295	2.69	59,599
Deer-Archery*	96,666	42.36%	0.04	0.63	60,949	17.18	1,660,565
Deer-Compound/Recurve	59,703	26.16%	0.03	0.53	31,876	17.33	1,034,570
Deer-Crossbow	42,986	18.84%	0.05	0.68	29,073	14.56	625,996
Deer-LWF	15,159	6.64%	0.07	0.16	2,492	2.23	33,745
Deer-CWD	4,569	2.00%	0.07	0.16	727	2.30	10,487
Raccoon	7,164	3.14%	1.10	9.64	69,047	8.74	62,610
Red Fox	519	0.23%	0.00	0.00	0	9.40	4,880
Gray Fox	623	0.27%	0.02	0.17	104	9.50	5,918
Coyote	22,843	10.01%	0.31	2.83	64,583	8.98	205,170
Opossum	1,661	0.73%	0.47	4.38	7,268	9.31	15,471

\* Total archery hunters are less than the sum of hunters by type because some used both Compound/Recurve and Crossbow.

**Table 1.3.** Estimated number ( $\pm$  95% confidence interval) of resident licensed hunters and harvest in Illinois, 2019-20 season ( $n = 2,198$ ).

Species	$n$	Total Estimated Hunters		Estimated Average Season Bag		Total Estimated Harvest	
Rabbit	224	23,258	$\pm$ 2,945	3.29	$\pm$ 0.84	76,627	$\pm$ 22,127
Non-Wild Quail	39	4,049	$\pm$ 1,285	14.15	$\pm$ 6.89	57,315	$\pm$ 33,485
Wild Quail	65	6,749	$\pm$ 1,649	6.71	$\pm$ 4.28	45,270	$\pm$ 31,282
Non-Wild Pheasant	165	17,132	$\pm$ 2,565	8.52	$\pm$ 1.53	145,986	$\pm$ 34,479
Wild Pheasant	132	13,706	$\pm$ 2,313	1.72	$\pm$ 0.47	23,570	$\pm$ 7,687
Dove	250	25,958	$\pm$ 3,091	14.92	$\pm$ 2.45	387,185	$\pm$ 79,405
Woodcock	4	415	$\pm$ 415	1.25	$\pm$ 0.49	519	$\pm$ 545
Crow	13	1,350	$\pm$ 747	14.92	$\pm$ 17.83	20,143	$\pm$ 26,090
Groundhog	21	2,180	$\pm$ 947	2.48	$\pm$ 0.75	5,399	$\pm$ 2,852
Gray Squirrel	301	31,253	$\pm$ 3,347	8.48	$\pm$ 1.49	264,976	$\pm$ 55,285
Fox Squirrel	288	29,903	$\pm$ 3,285	4.92	$\pm$ 0.80	147,024	$\pm$ 29,102
Raccoon	69	7,164	$\pm$ 1,698	9.64	$\pm$ 3.24	69,047	$\pm$ 28,663
Red Fox	5	519	$\pm$ 464	0.00	$\pm$ 0.00	0	$\pm$ 0
Gray Fox	6	623	$\pm$ 508	0.17	$\pm$ 0.33	104	$\pm$ 204
Coyote	220	22,843	$\pm$ 2,922	2.83	$\pm$ 0.85	64,583	$\pm$ 21,369
Opossum	16	1,661	$\pm$ 828	4.38	$\pm$ 3.54	7,268	$\pm$ 6,844

**Table 1.4.** Summary of 2019-20 rabbit hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Rabbit ( <i>n</i> = 224)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	1,557	6.70	0.35	0.80	1,246	3,530
Northeast Moraine	311	1.34	0.57	1.33	415	727
Mississippi Border-North	1,869	8.04	1.16	3.72	6,957	6,022
Mississippi Border-South	3,219	13.84	1.08	3.55	11,421	10,591
Western Prairie/Forest	2,596	11.16	0.94	2.88	7,476	7,995
Central Sand Prairie	311	1.34	1.80	6.00	1,869	1,038
Grand Prairie	6,126	26.34	0.40	2.56	15,678	38,937
Southern Plain	5,607	24.11	0.95	4.24	23,777	24,919
Wabash Border	623	2.68	0.41	1.83	1,142	2,803
Shawnee Hills	1,038	4.46	1.12	6.40	6,645	5,918
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>23,258</b>	<b>100.00</b>	<b>0.75</b>	<b>3.29</b>	<b>76,627</b>	<b>102,481</b>

**Table 1.5.** Summary of 2019-20 non-wild quail hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Non-Wild Quail ( <i>n</i> = 39)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	104	2.56	4.00	4.00	415	104
Northeast Moraine	-	-	-	-	-	-
Mississippi Border-North	104	2.56	0.00	0.00	0	1,038
Mississippi Border-South	311	7.69	2.47	15.67	4,880	1,973
Western Prairie/Forest	208	5.13	2.00	2.00	415	208
Central Sand Prairie	311	7.69	0.36	1.67	519	1,454
Grand Prairie	623	15.38	3.09	11.83	7,372	2,388
Southern Plain	1,765	43.59	3.46	19.94	35,199	10,175
Wabash Border	519	12.82	2.81	15.20	7,891	2,803
Shawnee Hills	104	2.56	3.00	6.00	623	208
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>4,049</b>	<b>100.00</b>	<b>2.82</b>	<b>14.15</b>	<b>57,315</b>	<b>20,351</b>



**Table 1.6.** Summary of 2019-20 wild quail hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Wild Quail ( <i>n</i> = 65)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	104	1.54	0.00	0.00	0	623
Northeast Moraine	104	1.54	0.00	0.00	0	104
Mississippi Border-North	415	6.15	1.00	3.75	1,557	1,557
Mississippi Border-South	519	7.69	0.31	2.20	1,142	3,634
Western Prairie/Forest	415	6.15	0.25	0.50	208	831
Central Sand Prairie	519	7.69	1.48	6.80	3,530	2,388
Grand Prairie	1,661	24.62	0.33	1.56	2,596	7,891
Southern Plain	2,284	33.85	1.71	12.68	28,969	16,924
Wabash Border	623	9.23	1.46	11.67	7,268	4,984
Shawnee Hills	104	1.54	0.00	0.00	0	311
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>6,749</b>	<b>100.00</b>	<b>1.15</b>	<b>6.71</b>	<b>45,270</b>	<b>39,248</b>

**Table 1.7.** Summary of 2019-20 non-wild pheasant hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Non-Wild Pheasant ( <i>n</i> = 165)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	1,142	6.67	4.04	9.18	10,487	2,596
Northeast Moraine	2,492	14.55	2.50	12.79	31,876	12,771
Mississippi Border-North	208	1.21	0.27	1.50	311	1,142
Mississippi Border-South	208	1.21	1.00	8.00	1,661	1,661
Western Prairie/Forest	1,246	7.27	1.55	4.00	4,984	3,219
Central Sand Prairie	727	4.24	1.30	12.29	8,929	6,853
Grand Prairie	7,268	42.42	2.27	8.26	60,014	26,477
Southern Plain	3,323	19.39	1.72	7.44	24,712	14,329
Wabash Border	208	1.21	2.86	10.00	2,077	727
Shawnee Hills	104	0.61	2.00	2.00	208	104
Unknown	208	1.21	2.33	3.50	727	311
<b>Statewide</b>	<b>17,132</b>	<b>100.00</b>	<b>2.08</b>	<b>8.52</b>	<b>145,986</b>	<b>70,190</b>

**Table 1.8.** Summary of 2019-20 wild pheasant hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Wild Pheasant ( <i>n</i> = 132)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	1,038	7.58	0.43	1.20	1,246	2,907
Northeast Moraine	311	2.27	1.25	1.67	519	415
Mississippi Border-North	623	4.55	0.29	1.17	727	2,492
Mississippi Border-South	104	0.76	2.00	2.00	208	104
Western Prairie/Forest	415	3.03	0.10	0.25	104	1,038
Central Sand Prairie	519	3.79	1.10	2.20	1,142	1,038
Grand Prairie	9,552	69.70	0.50	1.89	18,067	35,822
Southern Plain	1,038	7.58	0.81	1.30	1,350	1,661
Wabash Border	-	-	-	-	-	-
Shawnee Hills	-	-	-	-	-	-
Unknown	104	0.76	2.00	2.00	208	104
<b>Statewide</b>	<b>13,706</b>	<b>100.00</b>	<b>0.52</b>	<b>1.72</b>	<b>23,570</b>	<b>45,582</b>

**Table 1.9.** Summary of 2019-20 dove hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Dove ( <i>n</i> = 250)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	1,557	6.00	4.07	12.47	19,416	4,776
Northeast Moraine	1,350	5.20	3.43	7.92	10,695	3,115
Mississippi Border-North	934	3.60	4.33	13.00	12,148	2,803
Mississippi Border-South	2,700	10.40	5.56	22.23	60,014	10,798
Western Prairie/Forest	2,284	8.80	6.06	13.77	31,461	5,192
Central Sand Prairie	1,557	6.00	3.92	6.27	9,760	2,492
Grand Prairie	9,241	35.60	4.97	17.66	163,222	32,811
Southern Plain	5,295	20.40	4.01	12.27	64,998	16,198
Wabash Border	727	2.80	2.52	16.57	12,044	4,776
Shawnee Hills	311	1.20	2.06	11.00	3,426	1,661
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>25,958</b>	<b>100.00</b>	<b>4.58</b>	<b>14.92</b>	<b>387,185</b>	<b>84,622</b>

**Table 1.10.** Summary of 2019-20 woodcock hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Woodcock ( <i>n</i> = 4)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	-	-	-	-	-	-
Northeast Moraine	104	25.00	2.00	2.00	208	104
Mississippi Border-North	-	-	-	-	-	-
Mississippi Border-South	-	-	-	-	-	-
Western Prairie/Forest	104	25.00	0.50	1.00	104	208
Central Sand Prairie	-	-	-	-	-	-
Grand Prairie	-	-	-	-	-	-
Southern Plain	208	50.00	0.50	1.00	208	415
Wabash Border	-	-	-	-	-	-
Shawnee Hills	-	-	-	-	-	-
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>415</b>	<b>100.00</b>	<b>0.71</b>	<b>1.25</b>	<b>519</b>	<b>727</b>

**Table 1.11.** Summary of 2019-20 crow hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Crow ( <i>n</i> = 13)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	-	-	-	-	-	-
Northeast Moraine	-	-	-	-	-	-
Mississippi Border-North	415	30.77	15.50	31.00	12,875	831
Mississippi Border-South	-	-	-	-	-	-
Western Prairie/Forest	208	15.38	1.00	1.00	208	208
Central Sand Prairie	-	-	-	-	-	-
Grand Prairie	311	23.08	1.07	5.00	1,557	1,454
Southern Plain	311	23.08	4.13	11.00	3,426	831
Wabash Border	104	7.69	10.00	20.00	2,077	208
Shawnee Hills	-	-	-	-	-	-
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>1,350</b>	<b>100.00</b>	<b>5.71</b>	<b>14.92</b>	<b>20,143</b>	<b>3,530</b>

**Table 1.12.** Summary of 2019-20 groundhog hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Groundhog ( <i>n</i> = 21)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	104	4.76	0.00	0.00	0	208
Northeast Moraine	-	-	-	-	-	-
Mississippi Border-North	311	14.29	0.80	1.33	415	519
Mississippi Border-South	311	14.29	1.40	2.33	727	519
Western Prairie/Forest	519	23.81	0.20	2.80	1,454	7,372
Central Sand Prairie	104	4.76	1.50	3.00	311	208
Grand Prairie	311	14.29	0.36	4.00	1,246	3,426
Southern Plain	208	9.52	1.00	1.50	311	311
Wabash Border	-	-	-	-	-	-
Shawnee Hills	311	14.29	0.64	3.00	934	1,454
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>2,180</b>	<b>100.00</b>	<b>0.39</b>	<b>2.48</b>	<b>5,399</b>	<b>14,017</b>

**Table 1.13.** Summary of 2019-20 gray squirrel hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Gray Squirrel ( <i>n</i> = 301)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	1,557	4.98	0.39	1.27	1,973	5,088
Northeast Moraine	519	1.66	1.45	8.40	4,361	3,011
Mississippi Border-North	2,388	7.64	0.90	4.22	10,072	11,214
Mississippi Border-South	6,334	20.27	1.78	10.98	69,567	39,040
Western Prairie/Forest	2,284	7.31	1.01	7.50	17,132	17,028
Central Sand Prairie	623	1.99	1.25	6.67	4,153	3,323
Grand Prairie	5,503	17.61	0.82	5.81	31,980	38,937
Southern Plain	8,618	27.57	1.59	9.25	79,742	50,254
Wabash Border	1,869	5.98	1.34	8.83	16,509	12,356
Shawnee Hills	1,557	4.98	1.33	18.93	29,488	22,220
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>31,253</b>	<b>100.00</b>	<b>1.31</b>	<b>8.48</b>	<b>264,976</b>	<b>202,470</b>

**Table 1.14.** Summary of 2019-20 fox squirrel hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Fox Squirrel ( <i>n</i> = 288)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	1,661	5.56	0.59	2.50	4,153	7,060
Northeast Moraine	208	0.69	0.13	0.50	104	831
Mississippi Border-North	2,180	7.29	0.61	3.67	7,995	13,187
Mississippi Border-South	5,399	18.06	0.90	4.67	25,231	28,034
Western Prairie/Forest	3,426	11.46	0.97	5.27	18,067	18,586
Central Sand Prairie	1,142	3.82	1.25	7.27	8,306	6,645
Grand Prairie	7,060	23.61	1.16	6.44	45,478	39,040
Southern Plain	6,645	22.22	0.71	4.17	27,723	38,833
Wabash Border	1,454	4.86	0.97	5.21	7,580	7,787
Shawnee Hills	727	2.43	0.14	3.29	2,388	16,613
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>29,903</b>	<b>100.00</b>	<b>0.83</b>	<b>4.92</b>	<b>147,024</b>	<b>176,616</b>

**Table 1.15.** Summary of 2019-20 raccoon hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Raccoon ( <i>n</i> = 69)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	623	8.70	2.35	20.00	12,460	5,295
Northeast Moraine	-	-	-	-	-	-
Mississippi Border-North	1,038	14.49	1.73	5.70	5,918	3,426
Mississippi Border-South	1,246	17.39	1.10	11.25	14,017	12,771
Western Prairie/Forest	831	11.59	1.16	10.75	8,929	7,683
Central Sand Prairie	104	1.45	1.50	3.00	311	208
Grand Prairie	1,557	21.74	0.61	6.87	10,695	17,444
Southern Plain	1,350	18.84	1.24	9.85	13,290	10,695
Wabash Border	208	2.90	1.14	4.00	831	727
Shawnee Hills	208	2.90	0.60	12.50	2,596	4,361
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>7,164</b>	<b>100.00</b>	<b>1.10</b>	<b>9.64</b>	<b>69,047</b>	<b>62,610</b>

**Table 1.16.** Summary of 2019-20 red fox hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Red Fox ( <i>n</i> = 5)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	-	-	-	-	-	-
Northeast Moraine	104	20.00	0.00	0.00	0	208
Mississippi Border-North	-	-	-	-	-	-
Mississippi Border-South	-	-	-	-	-	-
Western Prairie/Forest	104	20.00	0.00	0.00	0	519
Central Sand Prairie	-	-	-	-	-	-
Grand Prairie	104	20.00	0.00	0.00	0	519
Southern Plain	104	20.00	0.00	0.00	0	1,038
Wabash Border	104	20.00	0.00	0.00	0	2,596
Shawnee Hills	-	-	-	-	-	-
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>519</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>	<b>4,880</b>

**Table 1.17.** Summary of 2019-20 gray fox hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Gray Fox ( <i>n</i> = 6)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	-	-	-	-	-	-
Northeast Moraine	-	-	-	-	-	-
Mississippi Border-North	-	-	-	-	-	-
Mississippi Border-South	104	16.67	0.50	1.00	104	208
Western Prairie/Forest	208	33.33	0.00	0.00	0	1,557
Central Sand Prairie	-	-	-	-	-	-
Grand Prairie	104	16.67	0.00	0.00	0	519
Southern Plain	104	16.67	0.00	0.00	0	1,038
Wabash Border	104	16.67	0.00	0.00	0	2,596
Shawnee Hills	-	-	-	-	-	-
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>623</b>	<b>100.00</b>	<b>0.02</b>	<b>0.17</b>	<b>104</b>	<b>5,918</b>

**Table 1.18.** Summary of 2019-20 coyote hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Coyote ( <i>n</i> = 220)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	1,557	6.82	0.41	6.80	10,591	26,062
Northeast Moraine	831	3.64	0.11	0.88	727	6,541
Mississippi Border-North	1,454	6.36	0.21	1.79	2,596	12,148
Mississippi Border-South	2,596	11.36	0.43	2.80	7,268	16,924
Western Prairie/Forest	3,426	15.00	0.42	2.76	9,449	22,324
Central Sand Prairie	934	4.09	0.19	1.00	934	4,880
Grand Prairie	5,088	22.27	0.27	3.18	16,198	59,807
Southern Plain	5,192	22.73	0.30	2.54	13,187	43,297
Wabash Border	831	3.64	0.12	1.25	1,038	8,722
Shawnee Hills	831	3.64	0.55	2.75	2,284	4,153
Unknown	104	0.45	1.00	3.00	311	311
<b>Statewide</b>	<b>22,843</b>	<b>100.00</b>	<b>0.31</b>	<b>2.83</b>	<b>64,583</b>	<b>205,170</b>

**Table 1.19.** Summary of 2019-20 opossum hunting effort and harvest in Wildlife Management Units (WMU) in Illinois.

Opossum ( <i>n</i> = 16)						
WMU	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Northwest Hills	104	6.25	1.36	30.00	3,115	2,284
Northeast Moraine	-	-	-	-	-	-
Mississippi Border-North	104	6.25	1.00	1.00	104	104
Mississippi Border-South	415	25.00	0.18	3.25	1,350	7,580
Western Prairie/Forest	311	18.75	0.57	4.33	1,350	2,388
Central Sand Prairie	-	-	-	-	-	-
Grand Prairie	519	31.25	0.48	2.20	1,142	2,388
Southern Plain	104	6.25	1.00	2.00	208	208
Wabash Border	104	6.25	0.00	0.00	-	519
Shawnee Hills	-	-	-	-	-	-
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>1,661</b>	<b>100.00</b>	<b>0.47</b>	<b>4.38</b>	<b>7,268</b>	<b>15,471</b>

**Table 1.20.** Percent change in harvest from 2018-19 to 2019-20 in Wildlife Management Units for selected species.

Wildlife Management Unit	Rabbit	Non-Wild Quail	Wild Quail	Non-Wild Pheasant	Wild Pheasant	Dove	Gray Squirrel	Fox Squirrel	Raccoon	Red Fox	Gray Fox	Coyote
Northwest Hills	-45%	-79%	-100%	-32%	19%	2%	47%	16%	30%	---	---	171%
Northeast Moraine	-42%	-100%	-100%	19%	73%	-13%	-57%	92%	---	---	---	-71%
Mississippi Border-North	160%	---	---	-51%	-253%	27%	-113%	-94%	-92%	---	---	-30%
Mississippi Border-South	34%	98%	-50%	78%	49%	26%	-31%	-20%	-97%	---	---	36%
Western Prairie Forest	23%	-93%	-80%	76%	75%	27%	-19%	16%	23%	---	-100%	21%
Central Sand Prairie	-43%	-28%	49%	-210%	-1%	86%	-4%	-160%	98%	-100%	---	-59%
Grand Prairie	-23%	-38%	-28%	0%	7%	-34%	-51%	-80%	-49%	-100%	---	69%
Southern Plain	-18%	159%	252%	9%	77%	38%	18%	33%	19%	-100%	---	-26%
Wabash Border	-26%	-78%	-56%	-35%	---	-30%	29%	22%	---	---	---	-67%
Shawnee Hills	96%	---	---	49%	---	78%	-14%	54%	-10%	---	---	270%

<sup>a</sup> Percentage change could not be calculated in certain WMU's due to no harvest in 2018 and/or 2019 in those units.



**Table 1.21.** Summary of 2019-20 rabbit hunting effort and harvest in Administrative Regions in Illinois.

Rabbit ( <i>n</i> = 224)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	5,607	24.11	0.42	2.13	11,941	28,761
Region 2	1,246	5.36	0.49	1.58	1,973	4,049
Region 3	2,907	12.50	0.44	2.25	6,541	14,848
Region 4	7,995	34.38	1.02	3.40	27,204	26,685
Region 5	5,503	23.66	1.03	5.26	28,969	28,138
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>23,258</b>	<b>100.00</b>	<b>0.75</b>	<b>3.29</b>	<b>76,627</b>	<b>102,481</b>

**Table 1.22.** Summary of 2019-20 non-wild quail hunting effort and harvest in Administrative Regions in Illinois.

Non-Wild Quail ( <i>n</i> = 39)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	519	12.82	2.17	10.40	5,399	2,492
Region 2	-	-	-	-	-	-
Region 3	623	15.38	2.45	9.00	5,607	2,284
Region 4	1,661	41.03	3.65	20.31	33,745	9,241
Region 5	1,246	30.77	1.98	10.08	12,564	6,334
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>4,049</b>	<b>100.00</b>	<b>2.82</b>	<b>14.15</b>	<b>57,315</b>	<b>20,351</b>

**Table 1.23.** Summary of 2019-20 wild quail hunting effort and harvest in Administrative Regions in Illinois.

Wild Quail ( <i>n</i> = 65)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	1,142	16.92	0.30	0.91	1,038	3,426
Region 2	311	4.62	0.64	3.00	934	1,454
Region 3	623	9.23	0.31	2.00	1,246	4,049
Region 4	2,284	33.85	0.79	3.50	7,995	10,175
Region 5	2,388	35.38	1.69	14.26	34,056	20,143
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>6,749</b>	<b>100.00</b>	<b>1.15</b>	<b>6.71</b>	<b>45,270</b>	<b>39,248</b>

**Table 1.24.** Summary of 2019-20 non-wild pheasant hunting effort and harvest in Administrative Regions in Illinois.

Non-Wild Pheasant ( <i>n</i> = 165)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	4,672	27.27	2.43	10.76	50,254	20,662
Region 2	4,569	26.67	2.40	9.11	41,636	17,340
Region 3	2,596	15.15	2.14	6.32	16,405	7,683
Region 4	3,115	18.18	1.52	6.53	20,351	13,394
Region 5	1,973	11.52	1.54	8.42	16,613	10,798
Unknown	208	1.21	2.33	3.50	727	311
<b>Statewide</b>	<b>17,132</b>	<b>100.00</b>	<b>2.08</b>	<b>8.52</b>	<b>145,986</b>	<b>70,190</b>

**Table 1.25.** Summary of 2019-20 wild pheasant hunting effort and harvest in Administrative Regions in Illinois.

Wild Pheasant ( <i>n</i> = 132)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	4,569	33.33	0.35	1.27	5,815	16,509
Region 2	1,350	9.85	0.50	1.38	1,869	3,738
Region 3	5,192	37.88	0.56	2.12	11,006	19,728
Region 4	1,973	14.39	0.81	1.84	3,634	4,465
Region 5	519	3.79	1.00	2.00	1,038	1,038
Unknown	104	0.76	2.00	2.00	208	104
<b>Statewide</b>	<b>13,706</b>	<b>100.00</b>	<b>0.52</b>	<b>1.72</b>	<b>23,570</b>	<b>45,582</b>

**Table 1.26.** Summary of 2019-20 dove hunting effort and harvest in Administrative Regions in Illinois.

Dove ( <i>n</i> = 250)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	6,230	24.00	4.73	11.50	71,643	15,159
Region 2	3,115	12.00	3.53	12.37	38,521	10,902
Region 3	3,946	15.20	4.55	17.24	68,009	14,952
Region 4	7,891	30.40	5.41	18.16	143,286	26,477
Region 5	4,776	18.40	3.84	13.76	65,725	17,132
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>25,958</b>	<b>100.00</b>	<b>4.58</b>	<b>14.92</b>	<b>387,185</b>	<b>84,622</b>

**Table 1.27.** Summary of 2019-20 woodcock hunting effort and harvest in Administrative Regions in Illinois.

Woodcock ( <i>n</i> = 4)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	-	-	-	-	-	-
Region 2	104	25.00	2.00	2.00	208	104
Region 3	-	-	-	-	-	-
Region 4	104	25.00	0.50	1.00	104	208
Region 5	208	50.00	0.50	1.00	208	415
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>415</b>	<b>100.00</b>	<b>0.71</b>	<b>1.25</b>	<b>519</b>	<b>727</b>

**Table 1.28.** Summary of 2019-20 crow hunting effort and harvest in Administrative Regions in Illinois.

Crow ( <i>n</i> = 13)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	311	23.08	0.58	2.33	727	1,246
Region 2	208	15.38	2.50	5.00	1,038	415
Region 3	-	-	-	-	-	-
Region 4	519	38.46	12.40	24.80	12,875	1,038
Region 5	311	23.08	6.63	17.67	5,503	831
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>1,350</b>	<b>100.00</b>	<b>5.71</b>	<b>14.92</b>	<b>20143</b>	<b>3,530</b>

**Table 1.29.** Summary of 2019-20 groundhog hunting effort and harvest in Administrative Regions in Illinois.

Groundhog ( <i>n</i> = 21)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	623	28.57	0.45	1.50	934	2,077
Region 2	-	-	-	-	-	-
Region 3	104	4.76	0.35	7.00	727	2,077
Region 4	934	42.86	0.29	2.56	2,388	8,203
Region 5	519	23.81	0.81	2.60	1,350	1,661
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>2,180</b>	<b>100.00</b>	<b>0.39</b>	<b>2.48</b>	<b>5399</b>	<b>14,017</b>

**Table 1.30.** Summary of 2019-20 gray squirrel hunting effort and harvest in Administrative Regions in Illinois.

Gray Squirrel ( <i>n</i> = 301)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	4,672	14.95	0.70	3.56	16,613	23,881
Region 2	1,350	4.32	1.07	5.54	7,476	6,957
Region 3	3,634	11.63	1.07	8.40	30,526	28,657
Region 4	11,006	35.22	1.45	8.82	97,082	67,075
Region 5	10,591	33.89	1.49	10.70	113,279	75,900
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>31,253</b>	<b>100.00</b>	<b>1.31</b>	<b>8.48</b>	<b>264,976</b>	<b>202,470</b>

**Table 1.31.** Summary of 2019-20 fox squirrel hunting effort and harvest in Administrative Regions in Illinois.

Fox Squirrel ( <i>n</i> = 288)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	7,476	25.00	1.13	4.88	36,445	32,395
Region 2	727	2.43	0.39	2.00	1,454	3,738
Region 3	3,738	12.50	1.02	6.92	25,854	25,231
Region 4	11,110	37.15	0.88	5.14	57,107	64,790
Region 5	6,853	22.92	0.52	3.82	26,165	50,462
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>29,903</b>	<b>100.00</b>	<b>0.83</b>	<b>4.92</b>	<b>147,024</b>	<b>176,616</b>

**Table 1.32.** Summary of 2019-20 raccoon hunting effort and harvest in Administrative Regions in Illinois.

Raccoon ( <i>n</i> = 69)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	2,284	31.88	1.07	9.64	22,012	20,662
Region 2	208	2.90	1.00	8.00	1,661	1,661
Region 3	623	8.70	0.90	10.83	6,749	7,476
Region 4	2,284	31.88	1.29	9.18	20,974	16,301
Region 5	1,765	24.64	1.07	10.00	17,651	16,509
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>7,164</b>	<b>100.00</b>	<b>1.10</b>	<b>9.64</b>	<b>69,047</b>	<b>62,610</b>

**Table 1.33.** Summary of 2019-20 red fox hunting effort and harvest in Administrative Regions in Illinois.

Red Fox ( <i>n</i> = 5)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	-	-	-	-	-	-
Region 2	104	20.00	0.00	0.00	-	208
Region 3	104	20.00	0.00	0	0	519
Region 4	104	20.00	0.00	0.00	0	519
Region 5	208	40.00	0.00	0.00	0	3,634
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>519</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>	<b>4,880</b>

**Table 1.34.** Summary of 2019-20 gray fox hunting effort and harvest in Administrative Regions in Illinois.

Gray Fox ( <i>n</i> = 6)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	104	16.67	0.00	0.00	0	1,038
Region 2	-	-	-	-	-	-
Region 3	104	16.67	0.00	0.00	0	519
Region 4	208	33.33	0.14	0.50	104	727
Region 5	208	33.33	0.00	0.00	0	3,634
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>623</b>	<b>100.00</b>	<b>0.02</b>	<b>0.17</b>	<b>104</b>	<b>5,918</b>

**Table 1.35.** Summary of 2019-20 coyote hunting effort and harvest in Administrative Regions in Illinois.

Coyote ( <i>n</i> = 220)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	6,853	30.00	0.30	3.20	21,908	72,578
Region 2	831	3.64	0.09	0.88	727	8,099
Region 3	2,700	11.82	0.33	4.35	11,733	35,095
Region 4	7,372	32.27	0.36	2.14	15,782	43,713
Region 5	4,984	21.82	0.31	2.83	14,121	45,374
Unknown	104	0.45	1.00	3.00	311	311
<b>Statewide</b>	<b>22,843</b>	<b>100.00</b>	<b>0.31</b>	<b>2.83</b>	<b>64,583</b>	<b>205,170</b>

**Table 1.36.** Summary of 2019-20 opossum hunting effort and harvest in Administrative Regions in Illinois.

Opossum ( <i>n</i> = 16)						
Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag		Estimated Total Harvest	Estimated Days Afield
			Daily	Season		
Region 1	519	31.25	0.93	7.80	4,049	4,361
Region 2	104	6.25	1.50	3.00	311	208
Region 3	208	12.50	1.00	2.00	415	415
Region 4	727	43.75	0.25	3.43	2,492	9,968
Region 5	104	6.25	0.00	0.00	0	519
Unknown	-	-	-	-	-	-
<b>Statewide</b>	<b>1,661</b>	<b>100.00</b>	<b>0.47</b>	<b>4.38</b>	<b>7,268</b>	<b>15,471</b>



**Table 1.37.** Percent change in harvest from 2018-19 to 2019-20 in Administrative Regions for selected species.

Administrative Regions	Rabbit	Non-Wild Quail	Wild Quail	Non-Wild Pheasant	Wild Pheasant	Gray Squirrel	Fox Squirrel	Dove	Raccoon	Red Fox	Gray Fox	Coyote
Region 1	1%	-37%	12%	35%	38%	45%	47%	-8%	-41%	-100%	-100%	24%
Region 2	-61%	-100%	-24%	-29%	-43%	23%	-66%	42%	438%	---	---	-80%
Region 3	-53%	-50%	-57%	-34%	-25%	130%	80%	17%	1%	-100%	---	613%
Region 4	46%	413%	8%	-31%	-54%	-1%	9%	-39%	-5%	-100%	---	39%
Region 5	2%	-71%	48%	-2%	12%	-7%	-38%	-28%	23%	-100%	---	-37%

<sup>a</sup> Percentage change could not be calculated in certain regions due to no harvest in those regions.

**Table 1.38.** Distribution of hunting effort and harvest among resident Illinois hunters in 2019, from the 2019-20 Illinois Hunter Harvest Survey.

	Days Hunting		Animals Harvested	
	Range	Percent of Hunters	Range	Percent of Hunters
RABBIT	---	---	0	33.9%
	1-5	87.5%	1-5	50.4%
	6-10	7.6%	6-10	11.2%
	11-14	0.4%	11-14	0.9%
	15-19	0.9%	15-19	1.3%
	20-24	1.3%	20-24	0.9%
	25+	2.2%	25+	1.3%
NON-WILD QUAIL	---	---	0	17.9%
	1-5	71.8%	1-5	28.2%
	6-10	20.5%	6-10	25.6%
	11-14	0.0%	11-14	2.6%
	15-19	2.6%	15-19	0.0%
	20-24	2.6%	20-24	5.1%
	25+	2.6%	25+	20.5%
WILD QUAIL	---	---	0	46.2%
	1-5	75.4%	1-5	26.2%
	6-10	9.2%	6-10	16.9%
	11-14	1.5%	11-14	1.5%
	15-19	3.1%	15-19	1.5%
	20-24	6.2%	20-24	0.0%
	25+	4.6%	25+	7.7%
NON-WILD PHEASANT	---	---	0	11.5%
	1-5	78.8%	1-5	45.5%
	6-10	13.3%	6-10	15.2%
	11-14	3.0%	11-14	8.5%
	15-19	3.0%	15-19	4.8%
	20-24	0.6%	20-24	6.1%
	25+	1.2%	25+	8.5%
WILD PHEASANT	---	---	0	47.0%
	1-5	84.8%	1-5	44.7%
	6-10	11.4%	6-10	6.8%
	11-14	0.8%	11-14	0.8%
	15-19	0.8%	15-19	0.8%
	20-24	2.3%	20-24	0.0%
	25+	0.0%	25+	0.0%
DOVE	---	---	0	14.0%
	1-5	87.6%	1-5	24.0%
	6-10	10.8%	6-10	19.6%
	11-14	0.4%	11-14	7.2%
	15-19	0.0%	15-19	6.4%
	20-24	1.2%	20-24	9.6%
	25+	0.0%	25+	19.2%

**Table 1.38 - continued.**

	Days Hunting		Animals Harvested	
	Range	Percent of Hunters	Range	Percent of Hunters
WOODCOCK	---	---	0	0.0%
	1-5	100.0%	1-5	100.0%
	6-10	0.0%	6-10	0.0%
	11-14	0.0%	11-14	0.0%
	15-19	0.0%	15-19	0.0%
	20-24	0.0%	20-24	0.0%
	25+	0.0%	25+	0.0%
CROW	---	---	0	23.1%
	1-5	92.3%	1-5	46.2%
	6-10	7.7%	6-10	7.7%
	11-14	0.0%	11-14	0.0%
	15-19	0.0%	15-19	0.0%
	20-24	0.0%	20-24	7.7%
	25+	0.0%	25+	15.4%
GROUNDHOG	---	---	0	4.8%
	1-5	81.0%	1-5	90.5%
	6-10	9.5%	6-10	4.8%
	11-14	0.0%	11-14	0.0%
	15-19	0.0%	15-19	0.0%
	20-24	4.8%	20-24	0.0%
	25+	4.8%	25+	0.0%
GRAY SQUIRREL	---	---	0	16.6%
	1-5	65.4%	1-5	42.2%
	6-10	21.6%	6-10	19.9%
	11-14	3.0%	11-14	5.3%
	15-19	3.7%	15-19	4.3%
	20-24	2.3%	20-24	4.7%
	25+	4.0%	25+	7.0%
FOX SQUIRREL	---	---	0	18.4%
	1-5	67.7%	1-5	54.5%
	6-10	22.9%	6-10	15.6%
	11-14	1.7%	11-14	5.6%
	15-19	2.8%	15-19	2.1%
	20-24	2.1%	20-24	1.7%
	25+	2.8%	25+	2.1%
TURKEY – SPRING	---	---	0	63.8%
	1-5	76.2%	1	27.4%
	6-10	18.6%	2	7.8%
	11-14	2.1%	3	1.0%
	15-19	1.6%	---	
	20-24	1.6%	---	
	25+	0.0%	---	

**Table 1.38** - continued.

	Days Hunting		Animals Harvested	
	Range	Percent of Hunters	Range	Percent of Hunters
TURKEY – FALL SHOTGUN	---	---	0	82.4%
	1-5	94.1%	1	17.6%
	6-10	5.9%	2	0.0%
	11-14	0.0%	---	
	15-19	0.0%	---	
	20-24	0.0%	---	
	25+	0.0%	---	
TURKEY – FALL ARCHERY (RECURVE & COMPOUND)	---	---	0	91.4%
	1-5	28.4%	1	8.6%
	6-10	34.6%	2	0.0%
	11-14	2.5%	3	0.0%
	15-19	4.9%	---	
	20-24	11.1%	---	
	25+	18.5%	---	
TURKEY – FALL ARCHERY (CROSSBOW)	---	---	0	86.0%
	1-5	32.6%	1	11.6%
	6-10	34.9%	2	2.3%
	11-14	2.3%	3	0.0%
	15-19	4.7%	---	
	20-24	16.3%	---	
	25+	9.3%	---	
TURKEY – FALL ARCHERY (ALL COMBINED)	---	---	0	89.0%
	1-5	30.5%	1	10.2%
	6-10	32.2%	2	0.8%
	11-14	2.5%	3	0.0%
	15-19	5.9%	---	
	20-24	11.9%	---	
	25+	16.9%	---	
DEER – ARCHERY SEASON (RECURVE & COMPOUND)	---	---	0	64.0%
	1-5	23.7%	1	23.1%
	6-10	23.0%	2	9.7%
	11-14	6.8%	3	2.1%
	15-19	6.4%	4	0.7%
	20-24	16.0%	5	0.3%
	25+	24.2%	6+	0.0%
DEER – ARCHERY SEASON (CROSSBOW)	---	---	0	54.3%
	1-5	29.2%	1	32.6%
	6-10	26.8%	2	8.5%
	11-14	3.4%	3	2.9%
	15-19	6.5%	4	1.2%
	20-24	16.9%	5	0.2%
	25+	17.1%	6+	0.2%

**Table 1.38 - continued.**

	Days Hunting		Animals Harvested	
	Range	Percent of Hunters	Range	Percent of Hunters
DEER – ARCHERY SEASON (ALL COMBINED)	---	---	0	58.0%
	1-5	23.2%	1	28.1%
	6-10	24.1%	2	9.8%
	11-14	5.6%	3	2.8%
	15-19	6.7%	4	0.8%
	20-24	17.0%	5	0.3%
	25+	23.5%	6+	0.2%
DEER REGULAR FIREARM SEASON	1	7.5%	0	53.4%
	2	12.5%	1	35.1%
	3	22.7%	2	9.8%
	4	11.9%	3	1.3%
	5	11.0%	4	0.2%
	6	12.1%	5	0.1%
	7	22.2%	6+	0.1%
DEER – MUZZLELOADER-ONLY SEASON	1	16.4%	0	79.3%
	2	26.8%	1	17.8%
	3	45.1%	2	2.3%
	4	4.7%	3	0.5%
	5	1.4%	4	0.0%
	6	0.9%	5	0.0%
	7	4.7%	6+	0.0%
DEER – LATE WINTER ANTLERLESS SEASON	1	29.5%	0	84.9%
	2	42.5%	1	13.7%
	3	15.1%	2	1.4%
	4	6.8%	3	0.0%
	5	3.4%	4	0.0%
	6	0.7%	5	0.0%
	7	2.1%	6+	0.0%
DEER – SPECIAL CWD SEASON	1	29.5%	0	86.4%
	2	36.4%	1	11.4%
	3	22.7%	2	2.3%
	4	4.5%	3	0.0%
	5	2.3%	4	0.0%
	6	2.3%	5	0.0%
	7	2.3%	6+	0.0%
RED FOX	---	---	0	100.0%
	1-5	60.0%	1-5	0.0%
	6-10	20.0%	6-10	0.0%
	11-14	0.0%	11-14	0.0%
	15-19	0.0%	15-19	0.0%
	20-24	0.0%	20-24	0.0%
	25+	20.0%	25+	0.0%

**Table 1.38** - continued.

	Days Hunting		Animals Harvested	
	Range	Percent of Hunters	Range	Percent of Hunters
GRAY FOX	---	---	0	83.3%
	1-5	50.0%	1-5	16.7%
	6-10	33.3%	6-10	0.0%
	11-14	0.0%	11-14	0.0%
	15-19	0.0%	15-19	0.0%
	20-24	0.0%	20-24	0.0%
	25+	16.7%	25+	0.0%
RACCOON	---	---	0	10.1%
	1-5	56.5%	1-5	50.7%
	6-10	23.2%	6-10	14.5%
	11-14	1.4%	11-14	2.9%
	15-19	5.8%	15-19	7.2%
	20-24	2.9%	20-24	1.4%
	25+	10.1%	25+	13.0%
COYOTE	---	---	0	41.8%
	1-5	61.4%	1-5	45.5%
	6-10	19.1%	6-10	6.8%
	11-14	3.2%	11-14	0.5%
	15-19	2.7%	15-19	3.2%
	20-24	4.5%	20-24	0.9%
	25+	9.1%	25+	1.4%
OPOSSUM	---	---	0	12.5%
	1-5	75.0%	1-5	68.8%
	6-10	0.0%	6-10	12.5%
	11-14	0.0%	11-14	0.0%
	15-19	6.2%	15-19	0.0%
	20-24	12.5%	20-24	0.0%
	25+	6.2%	25+	6.2%

**Table 1.39.** Statewide data from resident Illinois hunters, 2009-2019.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Hunting	Estimated Total Days Hunting
<b>RABBIT</b>						
2009	44,312	0.84	4.27	189,254	5.10	226,152
2010	32,225	1.13	4.83	155,552	4.25	137,089
2011	32,863	0.93	4.44	145,773	4.79	157,523
2012	33,093	0.77	3.52	116,353	4.54	150,150
2013	37,066 <sup>a</sup>	0.73	3.84 <sup>a</sup>	142,401 <sup>a</sup>	5.23 <sup>a</sup>	194,029 <sup>a</sup>
2014	34,874	0.79	3.88	135,275	4.92	171,482
2015	23,586	0.87	4.83	113,999	5.58	131,689
2016	22,842	1.08	4.08	93,188	3.79	86,483
2017	27,005	0.89	4.78	129,080	5.34	144,317
2018	22,322	0.72	3.48	77,769	4.82	107,601
2019	23,258	0.75	3.29	76,627	4.41	102,481
<b>WILD QUAIL</b>						
2009	16,948	1.18	7.31	123,933	6.21	105,220
2010	14,110	1.64	7.07	99,812	4.32	60,967
2011 <sup>b</sup>	12,668	0.87	3.68	46,633	4.25	53,793
2012 <sup>c</sup>	11,266	0.90	4.19	47,175	4.66	52,456
2013 <sup>b</sup>	10,779	0.72	4.79	51,628	6.61	71,295
2014 <sup>b</sup>	11,328	0.84	4.78	54,199	5.71	64,639
2015 <sup>b</sup>	7,665	0.52	3.79	29,089	7.28	55,820
2016	7,728	1.06	4.65	35,912	4.37	33,752
2017	8,548	0.67	3.46	29,607	5.16	44,100
2018	6,995	0.86	5.07	35,490	5.90	41,250
2019	6,749	1.15	6.71	45,270	5.82	39,248
<b>WILD PHEASANT</b>						
2009	22,244	0.64	2.89	64,262	4.48	99,747
2010	24,213	0.70	2.66	64,451	3.83	92,670
2011 <sup>b</sup>	12,301	0.57	2.24	27,539	3.93	48,285
2012 <sup>c</sup>	17,427	0.48	1.69	29,396	3.49	90,905
2013 <sup>b</sup>	14,940	0.33	1.38	20,613	4.22	62,974
2014 <sup>b</sup>	15,549	0.60	2.66	41,316	4.40	68,415
2015 <sup>b</sup>	13,955	0.55	1.77	24,765	3.24	45,207
2016	10,001	0.52	1.47	14,660	2.82	28,184
2017	12,264	0.54	1.95	23,908	3.59	43,977
2018	12,241	0.54	2.54	31,066	4.68	57,298
2019	13,706	0.52	1.72	23,570	3.33	45,582
<b>DOVE</b>						
2009	40,781	4.61	21.41	873,182	4.64	189,254
2010	37,974	4.21	17.61	668,547	4.18	158,688
2011	29,742	4.57	16.57	492,765	3.62	107,769
2012	34,501	3.85	15.97	550,962	4.15	143,109
2013	40,281	4.62	19.94	803,159	4.31	173,794
2014	41,316	4.61	18.05	745,902	3.91	161,708
2015	35,183	5.38	21.27	744,140	3.96	138,371
2016	34,661	4.51	14.58	505,375	3.23	112,053
2017	30,722	4.39	17.68	543,203	4.02	123,630
2018	28,906	4.14	16.91	488,832	4.09	118,093
2019	25,958	4.58	14.92	387,185	3.26	84,622

**Table 1.39 - continued.**

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Hunting	Estimated Total Days Hunting
<b>WOODCOCK</b>						
2009	1,059	0.00	0.00	0	4.67	4,943
2010	1,219	0.72	1.14	1,394	1.57	1,916
2011	1,102	0.50	1.67	1,836	3.33	3,672
2012	704	0.40	1.00	704	2.50	1,760
2013	189	0.00	0.00	0	1.00	189
2014	444	0.33	0.50	222	1.50	666
2015	590	0.14	2.00	1,179	14.0	8,255
2016	909	1.82	3.88	3,523	2.13	1,932
2017	1,239	0.37	1.00	1,239	2.70	3,345
2018	720	0.22	1.57	1,132	7.14	5,143
2019	415	0.71	1.25	519	1.75	727
<b>CROW</b>						
2009	4,414	2.20	12.24	54,022	5.56	24,539
2010	3,135	4.30	13.39	41,980	3.11	9,755
2011	3,121	1.24	3.65	11,383	2.94	9,180
2012	3,168	0.64	2.94	9,329	4.61	14,610
2013	2,458	1.05	4.62	11,347	4.38	10,779
2014	3,998	0.87	2.17	8,663	2.50	9,996
2015	1,179	1.77	3.83	4,521	2.17	2,555
2016	2,387	1.60	7.14	17,047	4.48	10,683
2017	1,610	1.28	8.38	13,503	6.54	10,530
2018	2,057	1.35	4.45	9,155	3.30	6,789
2019	1,350	5.71	14.92	20,143	2.62	3,530
<b>GROUNDHOG</b>						
2009	3,531	0.86	5.65	19,949	6.55	23,127
2010	2,961	0.52	2.00	5,923	3.82	11,322
2011	3,488	0.72	3.32	11,566	4.58	15,973
2012	2,112	0.35	1.42	2,992	4.08	8,625
2013	4,160	0.91	3.73	15,507	4.09	17,020
2014	4,443	0.92	8.95	39,761	9.75	43,315
2015	2,359	0.55	3.50	8,255	6.33	14,938
2016	1,818	0.38	2.69	4,887	7.06	12,842
2017	3,097	0.67	2.72	8,424	4.04	12,512
2018	2,983	0.62	4.90	14,607	7.90	23,557
2019	2,180	0.39	2.48	5,399	6.43	14,017
<b>GRAY SQUIRREL</b>						
2009	46,431	1.38	9.90	459,718	7.17	333,137
2010	38,322	1.36	8.77	336,190	6.45	247,004
2011	35,801	1.31	10.39	372,144	7.95	284,569
2012	38,198	1.09	6.87	262,455	6.30	240,804
2013	38,579	1.22	8.72	336,430	7.17	276,671
2014	41,316	1.20	8.28	342,297	6.88	284,322
2015	30,269	1.26	9.73	294,629	7.72	233,698
2016	27,956	0.75	7.05	197,172	6.4	178,989
2017	31,217	1.30	9.67	301,766	7.44	232,394
2018	27,054	1.37	9.28	251,000	6.78	183,415
2019	31,253	1.31	8.48	264,976	6.48	202,470



**Table 1.39** - continued.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Hunting	Estimated Total Days Hunting
<b>FOX SQUIRREL</b>						
2009	46,784	0.90	6.31	295,356	6.97	326,251
2010	39,890	0.98	5.98	238,468	6.10	243,171
2011	36,535	0.95	7.19	262,722	7.58	277,042
2012	41,190	0.76	5.11	210,351	6.75	278,121
2013	41,416	0.82	5.38	222,963	6.56	271,754
2014	45,092	0.85	5.45	245,894	6.39	288,321
2015	32,627	0.80	5.75	187,509	7.17	233,895
2016	29,547	1.10	11.27	139,555	6.26	184,899
2017	29,731	0.76	5.54	164,633	7.25	215,547
2018	25,409	0.84	5.43	138,050	6.51	165,310
2019	29,903	0.83	4.92	147,024	5.91	176,616
<b>TURKEY-SPRING</b>						
2009	54,493	0.11	0.48	25,952	4.17	227,387
2010	51,038	0.12	0.51	25,955	4.26	217,217
2011	44,430	0.12	0.49	21,664	4.14	183,960
2012	44,183	0.14	0.46	20,243	3.30	145,926
2013	49,358	0.11	0.43	21,181	3.94	194,596
2014	42,204	0.10	0.43	17,992	4.39	185,254
2015	42,651	0.14	0.58	24,569	4.23	180,433
2016	39,321	0.11	0.48	18,865	4.24	166,716
2017	42,986	0.10	0.39	16,600	3.86	165,748
2018	38,987	0.09	0.40	15,739	4.46	174,054
2019	40,183	0.10	0.46	18,482	4.56	183,365
<b>TURKEY-FALL SHOTGUN</b>						
2009	9,533	0.08	0.30	2,825	3.70	35,309
2010	8,710	0.09	0.26	2,264	2.94	25,606
2011	7,895	0.10	0.30	2,387	2.98	23,500
2012	6,689	0.13	0.32	2,122	2.39	16,018
2013	6,619	0.17	0.49	3,215	2.80	18,533
2014	3,776	0.07	0.24	889	3.41	12,883
2015	4,128	0.11	0.33	1,376	2.90	11,990
2016	4,205	0.08	0.27	1,136	3.35	14,092
2017	4,707	0.10	0.29	1,363	2.97	13,998
2018	5,041	0.03	0.12	617	3.61	18,208
2019	3,530	0.06	0.18	623	2.82	9,968
<b>TURKEY-FALL ARCHERY</b>						
2009	18,007	0.01	0.14	2,472	13.79	248,396
2010	17,768	0.01	0.15	2,613	15.21	270,171
2011	15,789	0.01	0.10	1,652	15.13	238,855
2012	11,618	0.01	0.18	2,112	14.73	171,097
2013	18,344	0.01	0.18	3,215	15.78	289,530
2014	13,550	0.00	0.07	889	17.64	239,008
2015	14,348	0.01	0.22	3,145	16.40	235,271
2016	10,342	0.02	0.22	2,273	12.80	132,395
2017 <sup>d</sup>	14,494	0.01	0.18	2,601	14.46	209,601
2018 <sup>d</sup>	14,196	0.02	0.21	2,983	11.08	157,286
2019 <sup>d</sup>	12,252	0.01	0.12	1,454	14.61	179,004

**Table 1.39 - continued.**

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Hunting	Estimated Total Days Hunting
<b>DEER-REGULAR FIREARM SEASON</b>						
2009	190,490	0.16	0.72	136,821	4.39	835,755
2010	186,385	0.16	0.67	124,895	4.24	790,829
2011	176,800	0.14	0.63	111,808	4.46	789,175
2012	159,128	0.15	0.67	105,968	4.42	702,696
2013	163,771	0.11	0.49	80,373	4.45	729,216
2014	158,821	0.12	0.53	83,520	4.26	675,932
2015	144,661	0.14	0.60	86,875	4.28	618,741
2016	138,873	0.14	0.59	82,392	4.31	597,995
2017	135,398	0.13	0.57	76,804	4.33	586,189
2018	127,043	0.15	0.63	80,546	4.16	529,053
2019	132,073	0.14	0.60	79,846	4.31	569,719
<b>DEER-MUZZLELOADER-ONLY SEASON</b>						
2009	39,546	0.12	0.33	13,241	2.73	107,868
2010	34,664	0.11	0.30	10,277	2.59	89,709
2011	37,269	0.12	0.31	11,383	2.65	98,773
2012	24,644	0.09	0.28	6,865	3.22	79,388
2013	29,123	0.11	0.27	7,943	2.57	74,888
2014	28,432	0.08	0.23	6,442	2.83	80,410
2015	27,714	0.09	0.23	6,489	2.75	76,262
2016	22,842	0.08	0.22	5,000	2.62	59,777
2017	23,041	0.13	0.34	7,804	2.67	61,567
2018	21,191	0.13	0.34	7,304	2.63	55,652
2019	22,116	0.09	0.24	5,295	2.69	59,599
<b>DEER-ARCHERY SEASON</b>						
2009	105,396	0.03	0.60	63,026	18.92	1,994,053
2010	108,870	0.03	0.55	59,922	18.86	2,053,021
2011	107,769	0.03	0.59	63,340	17.86	1,924,973
2012	82,028	0.03	0.56	46,295	19.05	1,562,760
2013	104,390	0.03	0.45	46,711	17.40	1,816,799
2014	95,737	0.03	0.50	47,757	17.88	1,712,153
2015	96,899	0.03	0.58	56,410	18.80	1,822,022
2016	90,233	0.03	0.48	43,185	16.69	1,506,352
2017 <sup>d</sup>	101,208	0.03	0.50	50,790	16.67	1,686,842
2018 <sup>d</sup>	89,187	0.04	0.62	54,932	15.21	1,356,940
2019 <sup>d</sup>	96,666	0.04	0.63	60,949	17.18	1,660,565
<b>DEER-LATE WINTER ANTLERLESS SEASON</b>						
2009	60,201	0.12	0.33	19,773	2.65	159,595
2010	56,961	0.11	0.29	16,548	2.55	145,101
2011	51,773	0.10	0.26	13,586	2.61	135,124
2012	42,422	0.11	0.29	12,146	2.56	108,608
2013	38,768	0.08	0.18	6,997	2.35	90,963
2014	23,323	0.09	0.23	5,331	2.58	60,196
2015	21,817	0.11	0.27	5,897	2.46	53,658
2016	17,728	0.09	0.20	3,523	2.33	41,366
2017	18,706	0.06	0.14	2,601	2.38	44,472
2018	15,019	0.09	0.21	3,086	2.32	34,770
2019	15,159	0.07	0.16	2,492	2.23	33,745

**Table 1.39 - continued.**

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Hunting	Estimated Total Days Hunting
<b>DEER-SPECIAL CWD SEASON</b>						
2009	---	---	---	---	---	---
2010	---	---	---	---	---	---
2011	12,484	0.14	0.32	4,039	2.34	29,191
2012	9,329	0.05	0.11	1,056	2.13	19,891
2013	7,754	0.08	0.15	1,135	1.95	15,129
2014	7,108	0.20	0.53	3,776	2.63	18,659
2015	6,486	0.03	0.06	393	2.03	13,169
2016	4,887	0.07	0.19	909	2.49	12,160
2017	7,185	0.06	0.14	991	2.34	16,847
2018	5,246	0.05	0.14	720	2.65	13,887
2019	4,569	0.07	0.16	727	2.30	10,487
<b>RACCOON</b>						
2009	8,298	1.09	12.19	101,159	11.23	93,215
2010	8,884	1.08	10.18	90,405	9.41	83,612
2011	10,098	1.05	10.80	109,054	10.29	103,914
2012	10,210	0.91	8.62	88,013	9.48	96,814
2013	9,077	1.12	15.50	140,699	13.85	125,759
2014	7,552	1.17	11.24	84,852	9.62	72,635
2015	7,665	1.05	10.62	81,372	10.15	77,834
2016	5,796	0.87	11.27	65,345	12.96	75,119
2017	7,061	1.15	13.32	94,023	11.60	81,883
2018	5,041	0.97	16.06	80,958	16.59	83,632
2019	7,164	1.10	9.64	69,047	8.74	62,610
<b>RED FOX</b>						
2009	2,295	0.05	0.31	706	6.00	13,770
2010	1,394	0.04	0.13	174	3.38	4,703
2011	918	0.03	0.20	184	6.80	6,242
2012	528	0.29	0.67	352	2.33	1,232
2013	1,324	0.09	1.29	1,702	14.57	19,289
2014	1,555	0.20	0.86	1,333	4.29	6,664
2015	1,179	0.28	1.33	1,572	4.83	5,700
2016	909	0.15	1.13	1,023	7.63	6,932
2017	1,239	0.12	1.50	1,858	12.30	15,237
2018	617	0.27	5.67	3,498	21.00	12,961
2019	519	0.00	0.00	0	9.40	4,880
<b>GRAY FOX</b>						
2009	1,412	0.00	0.00	0	6.13	8,651
2010	1,045	0.04	0.17	174	4.00	4,181
2011	918	0.03	0.20	184	6.80	6,242
2012	176	0.00	0.00	0	1.00	176
2013	1,135	0.15	3.00	3,404	20.17	22,883
2014	889	0.04	0.25	222	6.50	5,775
2015	393	0.00	0.00	0	3.50	1,376
2016	227	0.00	0.00	0	5.5	1,250
2017	743	0.07	1.00	743	14.50	10,777
2018	617	0.02	0.17	103	11.00	6,789
2019	623	0.02	0.17	104	9.50	5,918

**Table 1.39 - continued.**

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Hunting	Estimated Total Days Hunting
<b>COYOTE</b>						
2009	31,072	0.27	1.95	60,731	7.17	222,797
2010	31,354	0.27	2.36	74,031	8.91	279,229
2011	31,027	0.23	2.20	68,113	9.44	292,831
2012	30,805	0.23	1.91	58,969	8.34	256,998
2013	31,582	0.37	3.35	105,903	9.14	288,774
2014	28,876	0.31	2.89	83,520	9.36	270,328
2015	27,517	0.25	1.98	54,444	7.88	216,795
2016	25,115	0.26	2.81	70,687	10.84	272,291
2017	29,978	0.36	3.60	107,774	10.12	303,500
2018	22,631	0.30	2.50	56,681	8.34	188,764
2019	22,843	0.31	2.83	64,583	8.98	205,170
<b>OPOSSUM</b>						
2009	2,648	0.99	5.27	13,947	5.33	14,123
2010	2,090	1.48	5.42	11,322	3.67	7,664
2011	2,937	0.59	4.31	12,668	7.31	21,480
2012	2,816	0.45	3.38	9,505	7.44	20,947
2013	1,702	0.82	8.11	13,805	9.89	16,831
2014	1,999	0.71	5.67	11,328	8.00	15,993
2015	786	0.56	2.25	1,769	4.00	3,145
2016	1,818	0.37	3.56	6,478	9.63	17,501
2017	1,982	0.50	4.50	8,919	8.94	17,715
2018	617	1.00	6.17	3,806	6.17	3,806
2019	1,661	0.47	4.38	7,268	9.31	15,471

<sup>a</sup> 2016-17 figures, other than the standardized average daily bag, are not directly comparable to previous years due to increased season length in 2017-18 season.

<sup>b</sup> 2011-12 and 2013-14 to present not directly comparable to previous years due to changes in harvest reporting on the questionnaire; hunters distinguished between wild and non-wild pheasant, quail, and partridge from 2012-2016.

<sup>c</sup> 2012-13 is not directly comparable to current or previous year estimates.

<sup>d</sup> Hunters were asked to report Compound/Recurve activity separately from Crossbow this year. Archery effort was created by combining all archery activity. Number of hunters are not summative because some hunters used multiple archery methods.

**Table 1.40.** Percent change in statewide harvest by species for 1-, 5- and 10-year time periods, from the 2019-20 Illinois Hunter Harvest Survey.

Species	2019 Estimated Harvest	% Change 1 Year <sup>a</sup>	% Change 5 Years <sup>a</sup>	% Change 10 Years <sup>a</sup>
Rabbit	76,627	-1%	-43%	-60%
Wild Quail	45,270	28%	-16%	-63%
Wild Pheasant	23,570	-24%	-43%	-63%
Dove	387,185	-21%	-48%	-56%
Woodcock	519	-54%	134%	---
Crow	20,143	120%	133%	-63%
Groundhog	5,399	-63%	-86%	-73%
Gray Squirrel	264,976	6%	-23%	-42%
Fox Squirrel	147,024	7%	-40%	-50%
Turkey-Spring	18,482	17%	3%	-29%
Turkey-Fall Shotgun	623	1%	-30%	-78%
Turkey-Fall Archery	1,454	-51%	64%	-41%
Deer-Regular Firearm	79,846	-1%	-4%	-42%
Deer-Muzzleloader	5,295	-28%	-18%	-60%
Deer-Archery	60,949	11%	28%	-3%
Deer-Late winter antlerless	2,492	-19%	-53%	-87%
Deer-Special CWD Season	727	1%	-81%	--- <sup>b</sup>
Raccoon	69,047	-15%	-19%	-32%
Red Fox	0	-100%	-100%	-100%
Gray Fox	104	1%	-53%	---
Coyote	64,583	14%	-23%	6%
Opossum	7,268	91%	-36%	-48%

<sup>a</sup> Compared to 2018-19, 2014-15, and 2009-10 seasons, respectively; see also Table 1.39.

<sup>b</sup> Season began Dec. 31, 2009

## **Section 2 – Hunter Attitudes and Opinions**

### ***Satisfaction with Small Game Hunting***

Less than half of wild pheasant hunters (45%) were satisfied with their overall pheasant hunting experience in Illinois during the 2019-20 season (Table 2.1). At least half of hunters were dissatisfied with: (1) number of pheasants they harvested (57%), (2) number of pheasants seen (56%), (3) number of opportunities to hunt pheasant (52%), and (4) amount of shooting (50%).

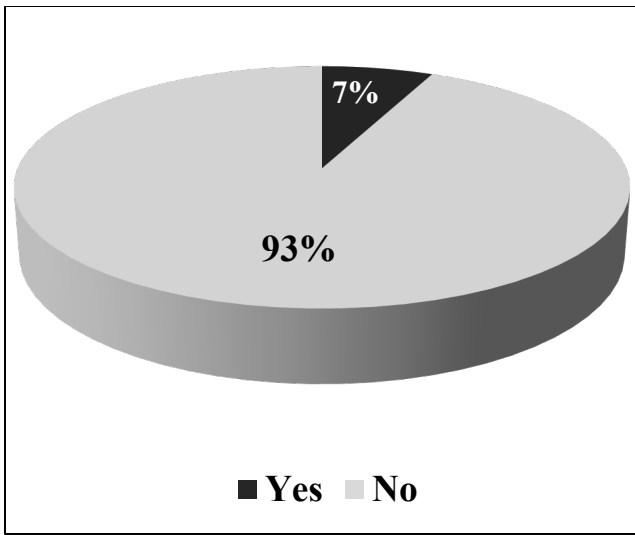
Less than half of rabbit hunters (48%) were satisfied with their overall rabbit hunting experience in Illinois during the 2019-20 season (Table 2.2). Hunters were most dissatisfied with: (1) number of rabbits harvested (43%), (2) number of rabbits seen (40%), and (3) amount of shooting (39%).

Most squirrel hunters (80%) were satisfied with their overall squirrel hunting experience in Illinois during the 2019-20 season (Table 2.3). Hunters were most satisfied with: (1) habitat quality (80%), (2) number of squirrels seen (75%), and (3) amount of shooting (67%).

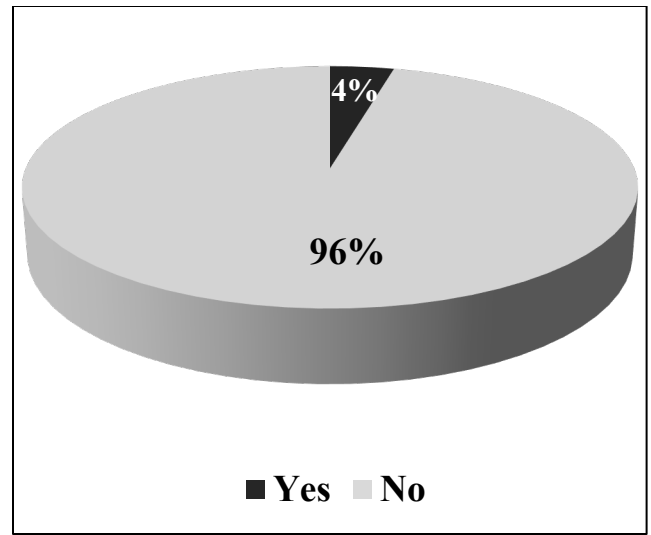
### ***Small Game Hunting on Public Land***

Seven percent of hunters reported hunting small game on public land in Illinois during the 2019-20 season (Figure 2.1). The main reasons for not hunting small game on public land in Illinois were: (1) hunted on private land ( $n = 786$ ), (2) lack of interest ( $n = 528$ ), and (3) other reasons ( $n = 208$ ). Public land hunters spent the greatest number of days on average pursuing gray squirrels ( $M = 7.2$  days) and fox squirrels ( $M = 6.1$  days), while wild pheasant were hunted the fewest days on average ( $M = 2.0$ ; Table 2.4). Public land hunters traveled the furthest on average to hunt wild quail ( $M = 41.2$  miles), and fewest miles to hunt rabbit ( $M = 24.2$  miles). The most frequently hunted public land sites in Illinois were: (1) Jim Edgar Panther Creek ( $n = 13$ ), (2) Rend Lake ( $n = 9$ ), and (3) Kaskaskia River ( $n = 9$ ).

Hunters were asked to indicate their satisfaction with hunting on public land during the 2019-20 small game season in Illinois. Hunters were most satisfied with: (1) parking areas available (50%), (2) regulations for methods of hunting (47%), (3) distance from their home (44%), and (4) length of season on public land they hunted (44%; Table 2.5). Hunters were least satisfied with: (1) amount of game harvested (27%), (2) amount of game seen (31%), and (3) competition with other hunters (35%).



**Figure 2.1.** Hunted small game on public land in Illinois during the 2019-20 season ( $n = 1,982$ ).



**Figure 2.2.** Applied for a Free Upland Hunting permit for the 2019-20 hunting season in Illinois ( $n = 1,926$ ).

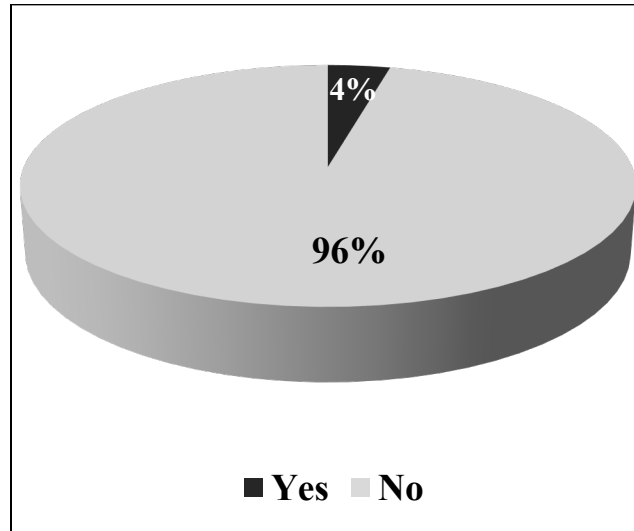
### ***Free Upland Hunting***

Four percent of hunters applied for a Free Upland Hunting permit for the 2019-20 hunting season (Figure 2.2). Forty-seven percent of permit applicants were drawn for a permit, 40% were not drawn for a permit, and 14% did not know if they were drawn for a permit. Seventy-six percent of hunters that were drawn for a permit hunted in a Free Upland Hunt. Only 1% of hunters participated in a Free Upland Hunt as a guest of someone who drew a permit. Hunters reported harvesting a total of 27 wild pheasants and 9 rabbits while participating in Free Upland Hunts. Hunters have applied for a Free Upland Hunting permit an average of 3.3 years and have successfully been drawn for a permit an average of 3.3 years.

### ***Controlled Pheasant Hunts***

Four percent of respondents hunted during the 2019-20 controlled pheasant hunting season on an IDNR operated area (Figure 2.3). Forty-three percent of hunters received their permit for the 2019-20 controlled pheasant hunting season during the first lottery period, 4% from the second lottery period, 9% from the third lottery period, 52% from first-come first-served permits, and 22% as a guest of someone who drew a permit. The most common reasons for not hunting during the controlled pheasant hunting season were: (1) lack of interest (35%), (2) did not know about it (22%), or (3) other reasons (14%). Hunters that participated in the Controlled Pheasant Hunting Program hunted an average of 4.4 days during the 2019-20 season, harvested an

average of 6.3 pheasants, and traveled an average of 58.8 miles from home to IDNR operated sites. The most frequently hunted IDNR operated sites were: (1) Des Plaines ( $n = 10$ ), (2) Eldon Hazlet ( $n = 9$ ), (3) Silver Springs ( $n = 8$ ), and (4) Jim Edgar Panther Creek ( $n = 8$ ). Respondents have hunted an average of 4.1 years during the controlled pheasant hunting season.

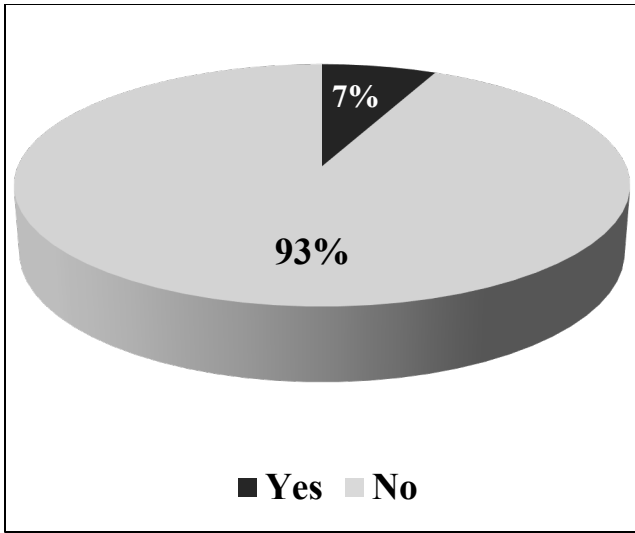


**Figure 2.3.** Hunted during the 2019-20 controlled pheasant hunting season on an IDNR operated area ( $n = 1,804$ ).

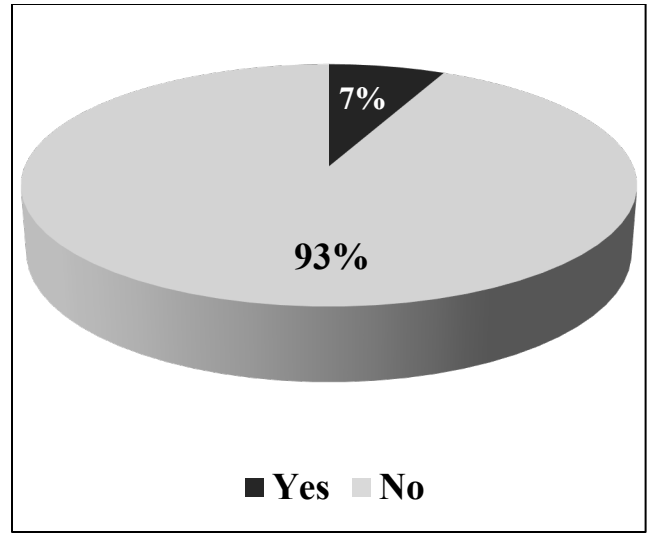
### ***Hunter Attitudes Regarding Epizootic Hemorrhagic Disease and Bluetongue Virus***

Approximately 7% of hunters reported observing dead deer between July and October 2019 (Figure 2.4). These hunters reported seeing a mean of 3.2 ( $\pm 5.3$ ) dead deer, and 14% observed  $\geq 5$  dead deer (Table 2.6). Only 7% of hunters who observed dead deer reported them to the IDNR (Figure 2.5), and those hunters reported an average of 4.8 ( $\pm 7.7$ ) deer. Counties in which most dead deer were observed included Schuyler, Adams, Clark, Jasper, and Jefferson (Table 2.7).



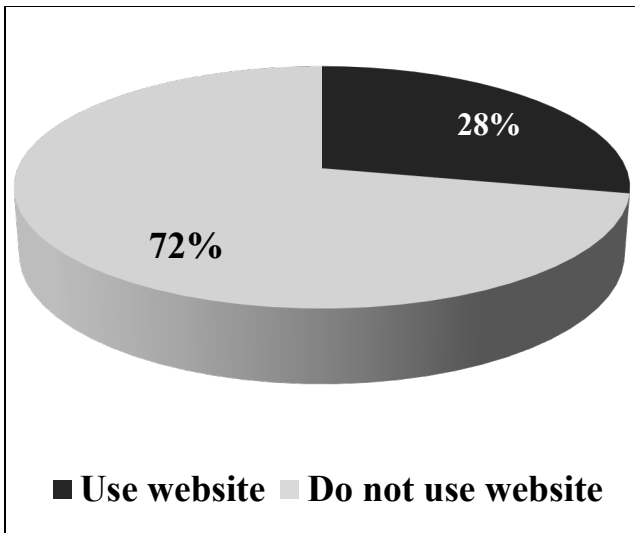


**Figure 2.4.** Percentage of hunters that observed dead deer from July through October 2019 ( $n = 1,898$ ).

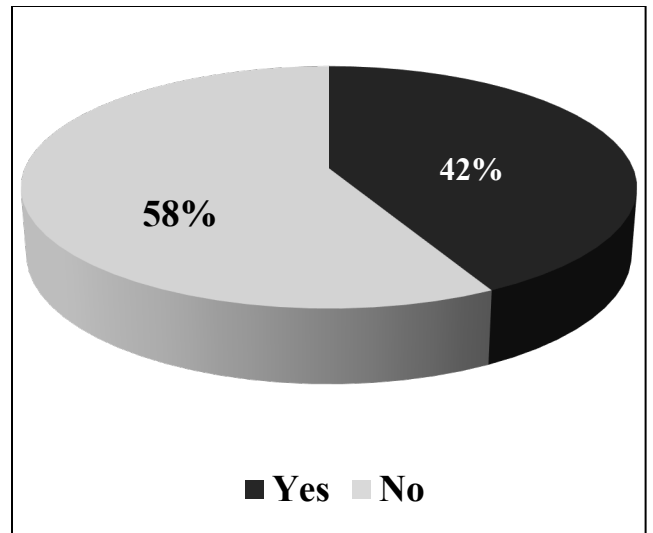


**Figure 2.5.** Percentage of hunters that reported dead deer they observed to the IDNR ( $n = 126$ ).

Thirty-three percent of deer hunters believed that EHD & BTV had decreased the number of deer in the areas they hunted, 61% saw no change, and 7% indicated deer populations increased (Table 2.8). Forty-one percent of Illinois deer hunters believed that the statewide population of deer had decreased, 48% believed there was no change, and 11% indicated the statewide deer population increased (Table 2.9). Twenty-three percent of Illinois deer hunters reported that they saw more deer during the 2019-20 deer seasons than the 5 years prior, whereas 52% of deer hunters reported seeing fewer deer and 46% reported harvesting fewer deer (Table 2.10 and Table 2.11). The White-tailed Deer Illinois website was used by 28% of deer hunters (Figure 2.6). Most deer hunters (54%) would participate in an archery urban deer hunt if one was offered in their area. Less than half of deer hunters (42%) believed that the IDNR should implement a statewide program to increase the number of hunters to help control Chronic Wasting Disease through hunting (Figure 2.7).



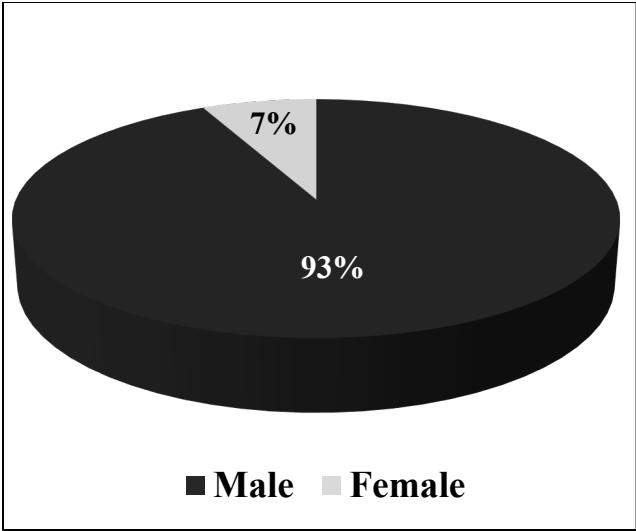
**Figure 2.6.** Percentage of deer hunters\* who use the White-tailed Deer Illinois website ( $n = 1,527$ ). \*Hunted deer during 2019-20 season.



**Figure 2.7.** Percentage of deer hunters\* who think IDNR should implement a statewide program to increase the number of hunters to help control Chronic Wasting Disease through hunting ( $n = 1,461$ ). \*Hunted deer during 2019-20 season.

**General Information**

Over forty percent of respondents (42%) would like reminders to renew their hunting license every year. Of the 893 hunters willing to receive reminders, the most preferred method of contact was email (71%), followed by text (44%), and 17% wanted social media reminders. Most respondents (60%) indicated that they would use a website that would allow them to search the number of animals harvested by species and number of hunters that used each IDNR site by year and season. Respondents to the 2019-20 Hunter Harvest Survey were mostly male (93%) (Figure 2.8), had a mean age of 52.9 years old, and had been hunting for an average of 31.1 years. Counties hunted most frequently were Fulton, Adams, Randolph, Jefferson, and Effingham, and most frequently listed counties of residence were Cook, Madison, Effingham, St. Clair, and Will.



**Figure 2.8.** Gender distribution of Illinois hunters ( $n = 2,198$ ).

## References

- Anderson, W.L., and L.K. Campbell. 1993. Illinois Hunter Harvest Survey, 1992. Illinois Department of Natural Resources, Federal Aid in Wildlife Restoration Project W-112-R, Job 1, Job Completion Report 65pg.
- IBM SPSS Inc. 2019. SPSS Statistics 27.0. IBM Corporation, 1 New Orchard Road, Armonk NY, U.S.A.
- Miller, C.A., L.K. Campbell and K.D. Caldwell. 1999. 1998-99 Illinois Hunter Harvest Survey Report. Illinois Department of Natural Resources, Federal Aid in Wildlife Restoration Project W-112-R-8, Job 1, Job Completion Report 77pg.

**Table 2.1.** Satisfaction with wild pheasant hunting in Illinois ( $n = 132$ ).

	Very Dissatisfied	Dissatisfied	Neutral	Satisfied	Very Satisfied
Overall hunting experience	13.5%	19.0%	22.2%	33.3%	11.9%
Habitat quality	17.2%	24.2%	20.3%	25.0%	13.3%
Number of pheasants seen	30.1%	26.0%	16.3%	15.4%	12.2%
Amount of shooting	23.6%	26.8%	24.4%	16.3%	8.9%
Amount of time spent pheasant hunting	17.1%	22.8%	29.3%	23.6%	7.3%
Number of pheasants harvested	33.6%	23.0%	17.2%	18.9%	7.4%
Number of opportunities to hunt pheasant	23.6%	28.3%	22.8%	18.1%	7.1%

**Table 2.2.** Satisfaction with rabbit hunting in Illinois ( $n = 224$ ).

	Very Dissatisfied	Dissatisfied	Neutral	Satisfied	Very Satisfied
Overall hunting experience	12.7%	12.7%	26.4%	38.6%	9.5%
Habitat quality	10.7%	16.3%	30.2%	34.0%	8.8%
Number of rabbits seen	16.3%	23.3%	25.6%	27.9%	7.0%
Amount of shooting	18.1%	21.3%	28.2%	26.9%	5.6%
Amount of time spent rabbit hunting	11.1%	17.6%	38.4%	28.2%	4.6%
Number of rabbits harvested	22.8%	20.5%	28.4%	22.8%	5.6%
Number of opportunities to hunt rabbits	11.1%	18.1%	38.9%	24.1%	7.9%

**Table 2.3.** Satisfaction with squirrel hunting in Illinois ( $n = 376$ ).

	Very Dissatisfied	Dissatisfied	Neutral	Satisfied	Very Satisfied
Overall hunting experience	0.8%	2.2%	16.7%	57.0%	23.3%
Habitat quality	1.1%	2.8%	15.7%	56.1%	24.3%
Number of squirrels seen	2.2%	5.8%	17.3%	42.1%	32.6%
Amount of shooting	2.8%	7.2%	22.9%	46.8%	20.4%
Amount of time spent squirrel hunting	3.3%	11.7%	28.9%	40.6%	15.6%
Number of squirrels harvested	4.4%	10.3%	23.1%	43.6%	18.6%
Number of opportunities to hunt squirrels	3.1%	10.0%	24.4%	41.1%	21.4%

**Table 2.4.** Number of days hunted and approximate distance traveled while hunting small game on public land in Illinois during 2019-20 season.

Species	Number of hunters	Average days hunted	Average distance traveled (miles)
Gray Squirrel	40	7.18	35.30
Fox Squirrel	38	6.08	27.97
Rabbit	24	3.63	24.22
Wild Pheasant	38	2.00	35.95
Wild Quail	18	3.56	41.22

**Table 2.5.** Satisfaction with hunting on public land during the 2019-20 small game season in Illinois.

	Very Dissatisfied	Dissatisfied	Somewhat Dissatisfied	Unsure	Somewhat Satisfied	Satisfied	Very Satisfied
Length of season on public land hunted	7.1%	6.5%	6.8%	36.1%	11.4%	24.4%	7.7%
Harvest reporting process	6.9%	4.4%	5.3%	41.3%	8.4%	27.2%	6.6%
Habitat conditions in the area hunted	7.1%	6.2%	8.4%	35.7%	11.5%	21.7%	9.3%
Amount of game seen	11.7%	10.8%	9.9%	36.4%	11.7%	14.5%	4.9%
Parking area available	5.4%	2.5%	4.7%	37.9%	8.5%	30.3%	10.7%
Competition with other hunters	8.5%	5.6%	8.8%	41.7%	8.8%	21.0%	5.6%
Amount of game harvested	16.1%	7.3%	10.1%	39.9%	10.1%	12.3%	4.1%
Distance from home	8.1%	5.6%	6.9%	35.5%	10.0%	24.6%	9.3%
Regulations for methods of hunting	7.2%	3.7%	5.3%	36.4%	11.8%	26.2%	9.3%

**Table 2.6.** Number of dead deer Illinois hunters reported to the IDNR during 2019.\*

Number of dead deer observed	Number of hunters	# of dead deer X # of hunters	Number of dead deer reported	Number of hunters	# of dead deer X # of hunters
1	51	51	1	3	3
2	32	64	2	2	4
3	16	48	3	2	6
4	12	48	4	---	---
5	7	35	5	1	5
6	2	12	6	---	---
7	0	---	7	---	---
8	0	---	8	---	---
9	1	9	9	---	---
10+	8	149	10+	1	25
TOTAL	129	416	TOTAL	9	43

\*Indicates number of dead deer hunters personally observed in or next to bodies of water (creeks, ponds, lakes, etc.), were fresh enough to have died during the July-October period, and did not show any visible signs of trauma (broken bones or other wounds).

**Table 2.7.** Top Illinois counties in which hunters observed deer believed to have died from EHD or BTV as reported on the 2019-20 Hunter Harvest Survey.

County	Number of Illinois hunters that observed dead deer in this county
Schuyler	6
Adams	5
Clark	5
Jasper	5
Jefferson	5
Crawford	4
Fulton	4
Rock Island	4
Union	4
Brown	3
Clinton	3
Greene	3
Hancock	3
Henry	3
Mercer	3
Monroe	3
Pike	3

**Table 2.8.** Deer hunters' perceptions of the impact of EHD and BTV on the Illinois deer population in areas typically hunted during 2019 ( $n = 1,214$ ).

Impact level	Number of hunters	Percent of hunters (%)
Decreased Considerably	88	7.2%
Decreased Moderately	118	9.7%
Decreased Slightly	193	15.9%
No Change	736	60.6%
Increased Slightly	49	4.0%
Increased Moderately	23	1.9%
Increased Considerably	7	0.6%

\*Hunted deer in Illinois during 2019-20 season.

**Table 2.9.** Deer hunters' perceptions of the impact of EHD and BTV on the Illinois deer population during 2019 throughout entire state ( $n = 1,164$ ).

Impact level	Number of hunters	Percent of hunters (%)
Decreased Considerably	61	5.2%
Decreased Moderately	122	10.5%
Decreased Slightly	297	25.5%
No Change	555	47.7%
Increased Slightly	95	8.2%
Increased Moderately	24	2.1%
Increased Considerably	10	0.9%

\*Hunted deer in Illinois during 2019-20 season.

**Table 2.10.** Change in number of **deer seen** by Illinois deer hunters during the 2019-20 deer season compared to 5 years ago ( $n = 1,356$ ).

Number of deer seen have:	Number of hunters	Percent of hunters (%)
Decreased Considerably	189	13.9%
Decreased Moderately	221	16.3%
Decreased Slightly	291	21.5%
No Change	337	24.9%
Increased Slightly	192	14.2%
Increased Moderately	89	6.6%
Increased Considerably	37	2.7%

\*Hunted deer in Illinois during 2019-20 season.

**Table 2.11.** Change in number of **deer harvested** by Illinois deer hunters during the 2019-20 deer season compared to 5 years ago ( $n = 1,441$ ).

Number of deer harvested have:	Number of hunters	Percent of hunters (%)
Decreased Considerably	195	13.5%
Decreased Moderately	150	10.4%
Decreased Slightly	312	21.7%
No Change	630	43.7%
Increased Slightly	110	7.6%
Increased Moderately	24	1.7%
Increased Considerably	20	1.4%

\*Hunted deer in Illinois during 2019-20 season.



# Illinois Hunter Harvest Survey 2019-20 Seasons



Illinois Department of Natural Resources  
Division of Wildlife Resources  
&  
Illinois Natural History Survey



The Department of Natural Resources is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the Illinois Compiled Statutes, The Wildlife Code, Chapter 520. Disclosure of information is voluntary. This study is funded by the federal Wildlife Restoration Fund through your purchase of hunting arms and ammunition.

**THANK YOU FOR YOUR PARTICIPATION!**

All your responses will be kept confidential.  
Please return this survey in the postage-paid return envelope provided.

**Section 1. Hunting Activity and Harvest in Illinois.** Please provide the following information to allow IDNR biologists to monitor game species harvest and conserve wildlife populations in Illinois.

1. Did you purchase a hunting license during 2019?  Yes  No (If “No,” Please go to **Section 2**)

2. Did you purchase your hunting license online?  Yes  No

2a. If “Yes” do you save your license as a PDF?  Yes  No

3. Did you hunt any wildlife species in Illinois between March 2019 and February 2020?

Yes  No (If “No,” please go to **Section 2**)

4. Please report your hunting effort and harvest in Illinois for the following species between March 1, 2019 - February 29, 2020. Include only game harvested and days you personally hunted in Illinois. Count only game you retrieved; **do not count animals you were not able to retrieve or animals that were trapped.** Count any part of a day hunted as 1 day.

<u>Species</u>	<u>Number of Days Hunted</u>	<u>Number Harvested</u>	<u>County Hunted Most Often</u>
Rabbit	_____	_____	_____
Quail ( <b>shooting preserve, club, etc.</b> )	_____	_____	_____
Quail ( <b>wild</b> )	_____	_____	_____
Pheasant ( <b>shooting preserve, club, etc.</b> )	_____	_____	_____
Pheasant ( <b>wild</b> )	_____	_____	_____
Dove	_____	_____	_____
Woodcock	_____	_____	_____
Crow	_____	_____	_____
Ground Hog (Woodchuck)	_____	_____	_____
Gray Squirrel	_____	_____	_____
Fox Squirrel	_____	_____	_____
Turkey – Spring	_____	_____	_____
Turkey – Fall Shotgun	_____	_____	_____
Turkey – Fall Archery ( <b>compound &amp; recurve only</b> )	_____	_____	_____
Turkey – Fall Archery ( <b>crossbow only</b> )	_____	_____	_____
Deer – Regular Firearm Season	_____	_____	_____
Deer – Muzzleloader-Only Season	_____	_____	_____
Deer – Archery Season ( <b>compound &amp; recurve only</b> )	_____	_____	_____
Deer – Archery Season ( <b>crossbow only</b> )	_____	_____	_____
Deer – Late Winter Firearm Season	_____	_____	_____
Deer – Special CWD season	_____	_____	_____
Raccoon	_____	_____	_____
Red Fox	_____	_____	_____
Gray Fox	_____	_____	_____
Coyote	_____	_____	_____
Opossum	_____	_____	_____

5. Did you harvest any Eurasian collared-doves in Illinois during the 2019 season?

Yes If “Yes,” how many? \_\_\_\_\_  No  Not sure

6. Did you have any mourning doves downed but not retrieved in Illinois during the 2019 season?

\_\_\_\_\_ Yes    If "Yes," how many? \_\_\_\_\_    \_\_\_\_\_ No    \_\_\_\_\_ Not sure

**Section 2. Satisfaction with Small Game Hunting.** Please provide the following information on satisfaction with hunting regulations.

1. Please rate your **SATISFACTION with wild pheasant in Illinois** by circling the number for your response.

	Very Dissatisfied	Dissatisfied	Neutral	Satisfied	Very Satisfied
Overall hunting experience	1	2	3	4	5
Habitat quality	1	2	3	4	5
Number of pheasants you saw	1	2	3	4	5
Amount of shooting you got in	1	2	3	4	5
Amount of time you spent pheasant hunting	1	2	3	4	5
Number of pheasants you harvested	1	2	3	4	5
Number of opportunities to hunt pheasant	1	2	3	4	5

2. Please rate your **SATISFACTION with rabbit hunting in Illinois** by circling the number for your response.

	Very Dissatisfied	Dissatisfied	Neutral	Satisfied	Very Satisfied
Overall hunting experience	1	2	3	4	5
Habitat quality	1	2	3	4	5
Number of rabbits you saw	1	2	3	4	5
Amount of shooting you got in	1	2	3	4	5
Amount of time you spent rabbit hunting	1	2	3	4	5
Number of rabbits you harvested	1	2	3	4	5
Number of opportunities to hunt rabbits	1	2	3	4	5

3. Please rate your **SATISFACTION with squirrel hunting in Illinois** by circling the number for your response.

	Very Dissatisfied	Dissatisfied	Neutral	Satisfied	Very Satisfied
Overall hunting experience	1	2	3	4	5
Habitat quality	1	2	3	4	5
Number of squirrels you saw	1	2	3	4	5
Amount of shooting you got in	1	2	3	4	5
Amount of time you spent squirrel hunting	1	2	3	4	5
Number of squirrels you harvested	1	2	3	4	5
Number of opportunities to hunt squirrels	1	2	3	4	5

**Section 3. Small Game Hunting in Illinois.** Please complete the section below for small game hunting **on PUBLIC LAND** in Illinois during the 2019-20 hunting season.

1. Did you hunt small game **on Public Land** in Illinois during the 2019-20 season?

\_\_\_\_\_ Yes      \_\_\_\_\_ No

2. If “No,” was it for any of the following reasons? Please check all that apply.

\_\_\_\_\_ Could not find a site to hunt      \_\_\_\_\_ Season was too short      \_\_\_\_\_ Too far from my home  
 \_\_\_\_\_ No one to hunt with      \_\_\_\_\_ Hunted on private land      \_\_\_\_\_ Lack of interest  
 \_\_\_\_\_ Other (please identify): \_\_\_\_\_

3. If you hunted small game **on Public Land** in Illinois during the 2019-20 season, please complete the table below.

	Name of Public Site(s)	Days Hunted on Public Site(s)	Approximate Distance Traveled From home to Site(s)
Gray squirrel	_____	_____	_____
Fox squirrel	_____	_____	_____
Rabbit	_____	_____	_____
Pheasant (wild)	_____	_____	_____
Quail (wild)	_____	_____	_____

4. Please rate your **SATISFACTION with hunting on Public Land during the 2019-20 small game season in Illinois** for each of the following by circling the number that matches your response.

	Very Dissatisfied	Dissatisfied	Somewhat Dissatisfied	Unsure	Somewhat Satisfied	Satisfied	Very Satisfied
Length of season on public land you hunted	1	2	3	4	5	6	7
Harvest reporting process	1	2	3	4	5	6	7
Habitat conditions in the areas you hunted	1	2	3	4	5	6	7
Amount of game you saw	1	2	3	4	5	6	7
Parking areas available	1	2	3	4	5	6	7
Competition with other hunters	1	2	3	4	5	6	7
Amount of game you harvested	1	2	3	4	5	6	7
Distance from your home	1	2	3	4	5	6	7
Regulations for methods of hunting	1	2	3	4	5	6	7

**Section 4. Free Upland Hunts.** Please answer the following questions about Illinois hunting licenses permits.

1. Did you apply for a Free Upland Hunting permit for the 2019-20 hunting season?  
 Yes     No (If “No,” please go to **Question 4**)
  
2. If “Yes,” were you drawn for a permit?  
 Yes     No     I don’t know
  
3. If “Yes,” did you hunt?  
 Yes     No
  
4. Did you participate in a Free Upland Hunt as a guest of someone who drew a permit?  
 Yes     No (If “No,” please go to **Question 6**)
  
5. If you participated in a Free Upland Hunt, what was your harvest?  
 Pheasants     Rabbits
  
6. How many years have you applied for a permit?                       Years
  
7. How many years have you been successful in drawing a permit?                       Years

**Section 5. Controlled Pheasant Hunts.** Please answer the following questions about the Illinois Controlled Pheasant Hunting Program permits.

1. Did you hunt during the 2019-20 controlled pheasant hunting season on an IDNR operated area?  
 Yes     No
  
2. If “Yes,” how did you receive your permit?  
 First Lottery Period  
 Second Lottery Period  
 Third Lottery Period  
 First-Come First-Served Permits  
 Guest of someone who drew a permit
  
3. If “No,” why did you not hunt during the controlled pheasant hunting season?  
 Didn’t know about it                       Lack of interest                       Too expensive  
 No one to hunt with                       Too far from home  
 Other (please identify): \_\_\_\_\_

4. If you participated in the Controlled Pheasant Hunting Program, please complete the following table.

Name of IDNR Operated Sites(s) Hunted	Days Hunted on IDNR Operated Site(s)	# of Pheasants Harvested	Approximate Distance Traveled From home to Site(s)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

5. How many years have you hunted during the controlled pheasant hunting season? \_\_\_\_\_ Years

**Section 6. EHD and BTV in White-tailed Deer in Illinois.** Please answer the following questions about white-tailed deer and Epizootic Hemorrhagic Disease (EHD) and Blue Tongue Virus (BTV) in Illinois **during 2019**.

1. Using the table below, please report the number of dead deer you saw in or next to bodies of water (creeks, ponds, lakes, etc.) from **July through October 2019**. Report **ONLY** deer that (1) **YOU** actually saw; (2) were fresh enough to have died **DURING** the July-October period; (3) were **IN** or **BESIDE** a water source; and (4) **DID NOT** show any visible signs of trauma (broken bones or other wounds). **DO NOT** report deer that someone else told you about, if you did not actually see them.

Did you observe dead deer in this period?	If Yes, how many dead deer, meeting the criteria above did <b>you</b> see?	Did you report any of the dead deer you observed to the IDNR?	If Yes, how many dead deer did <b>you</b> report to the IDNR?
___ Yes    ___ No	_____ dead deer	___ Yes    ___ No	_____ reported

2. In which county did you observe the most deer that you believe died from EHD or BTV? \_\_\_\_\_ County

3. How do you think EHD and BTV impacted the deer population **during 2019** in areas **you typically hunt**? Please circle the number that matches your response.

Decreased Considerably	Decreased Moderately	Decreased Slightly	No Change	Increased Slightly	Increased Moderately	Increased Considerably
1	2	3	4	5	6	7

4. How do you think EHD and BTV impacted the deer population **during 2019** throughout the **entire state**? Please circle the number that matches your response.

Decreased Considerably	Decreased Moderately	Decreased Slightly	No Change	Increased Slightly	Increased Moderately	Increased Considerably
1	2	3	4	5	6	7

5. How did the number of deer **you saw** during the 2019-20 season compare to 5 years ago? Please circle the number that matches your response.

Decreased Considerably	Decreased Moderately	Decreased Slightly	No Change	Increased Slightly	Increased Moderately	Increased Considerably
1	2	3	4	5	6	7

6. How does the number of deer **you harvested** during the 2019-20 season compare to 5 years ago? Please circle the number that matches your response.

Decreased Considerably	Decreased Moderately	Decreased Slightly	No Change	Increased Slightly	Increased Moderately	Increased Considerably
1	2	3	4	5	6	7

7. Do you use the White-tailed Deer Illinois website?  Yes  No

8. Would you participate in an archery urban deer hunt if one was offered in your area?  Yes  No

9. Do you think the IDNR should implement a statewide program to increase the number of hunters to help control Chronic Wasting Disease through hunting?

Yes  No

**Section 7. Background Information.** The following questions allow us to understand more about the people involved in hunting in Illinois. All responses are kept confidential.

1. How many years have you hunted in Illinois? \_\_\_\_\_ Years

2. Would you like reminders to renew your hunting license each year?  Yes  No

2a. If yes, how would you like to be reminded? Please check **all that apply**.

Text  Email  Social media

3. What is your county of residence? \_\_\_\_\_ County

4. What county do you hunt in **most often**? \_\_\_\_\_ County

5. What is your gender?  Male  Female

6. Please give your age. \_\_\_\_\_ Years

7. Would you use a website that would allow you to search the number of animals harvested by species and number of hunters that used each IDNR site by year and season?

Yes  No

## Comments



**THANK YOU FOR YOUR TIME AND ASSISTANCE!**  
**Please return this survey in the postage-paid envelope provided.**

The Illinois Department of Natural Resources receives federal assistance and therefore must comply with federal anti-discrimination laws. In compliance with the Illinois Human Rights Act, the Illinois Constitution, Title VI of the 1964 Civil Rights Act, Section 504 of the Rehabilitation Act as amended, and the U.S. Constitution, the Illinois Department of Natural Resources does not discriminate on the basis of race, color, sex, national origin, age, or disability. If you believe you have been discriminated against in any program, activity, or facility, please contact the Equal Employment Opportunity Officer, Department of Natural Resources, One Natural Resources Way, Springfield, IL 62701-1787, (217) 782-7616 or the Officer of Human Resources, U.S. Fish and Wildlife Service, Washington, D.C. 20240.





ILLINOIS NATURAL HISTORY SURVEY

Prairie Research Institute

University of Illinois at Urbana-Champaign

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Dear Illinois Hunter,

Your name was randomly selected from the list of 2019 Illinois hunting license purchasers. We are asking you to provide information about your activities during the 2019-2020 hunting seasons in Illinois. **Even if you did not hunt in Illinois during the 2019-2020 seasons, we ask that you please take a few minutes to complete the portions of the questionnaire that pertain to you.** A postage paid envelope is provided for returning the questionnaire to us.

This study, jointly conducted by the Illinois Department of Natural Resources and the Illinois Natural History Survey, is an effort to learn about hunting activities in Illinois. Results of this study will help wildlife managers make decisions to improve hunting opportunities and to better manage Illinois' wildlife populations. **Your responses are voluntary and completely confidential.** By responding you will help us more effectively manage wildlife and hunting in Illinois.

If you do not wish to participate, please return the blank questionnaire so we can remove your name from our mailing list.

You may access the results of this and other studies of hunters and hunting in Illinois at <https://publish.illinois.edu/human-dimensions/>. You may also find information about Illinois Department of Natural Resources wildlife management programs and wildlife in Illinois at <https://www.dnr.illinois.gov/conservation/wildlife/>.

If you have questions regarding this study, please call us at (217) 244-5121.

Sincerely,

A handwritten signature in black ink, appearing to read "Craig A. Miller".

Craig A. Miller  
Human Dimensions Research Program



1816 South Oak Street,  
Champaign, Illinois 61820 USA

# Administrative Regions of Illinois



Appendix C

Dear Illinois Hunter,

Recently you were mailed a questionnaire about your hunting activities in Illinois. We have not yet received your response. **If you have already returned the questionnaire, we thank you. If you have not returned the questionnaire, please do so as soon as possible. Your input is very important!**

Your name and address will be deleted from our mailing list when your questionnaire is received. Thank you for your time and cooperation.



## ILLINOIS NATURAL HISTORY SURVEY

Prairie Research Institute

University of Illinois at Urbana-Champaign

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Dear Illinois Hunter,

Your name was randomly selected from the list of 2019 Illinois hunting license purchasers. We recently mailed you a questionnaire regarding your hunting experiences in Illinois during the 2019-2020 hunting seasons. If you have already returned the questionnaire, we thank you.

**If you have not returned your completed questionnaire, please do so as soon as possible. We have enclosed another copy for you.** The information you and other selected hunters provide will help wildlife managers make decisions to improve hunting opportunities and to better manage Illinois' wildlife populations. **Your responses are voluntary and completely confidential.**

**Even if you did not hunt in Illinois during the 2019-2020 seasons, we ask that you please take a few minutes to complete the portions of the questionnaire that pertain to you.** A postage paid envelope is provided for returning the questionnaire to us.

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If you have questions regarding this study, please call (217) 244-5121.

Thank you for helping with this important study.

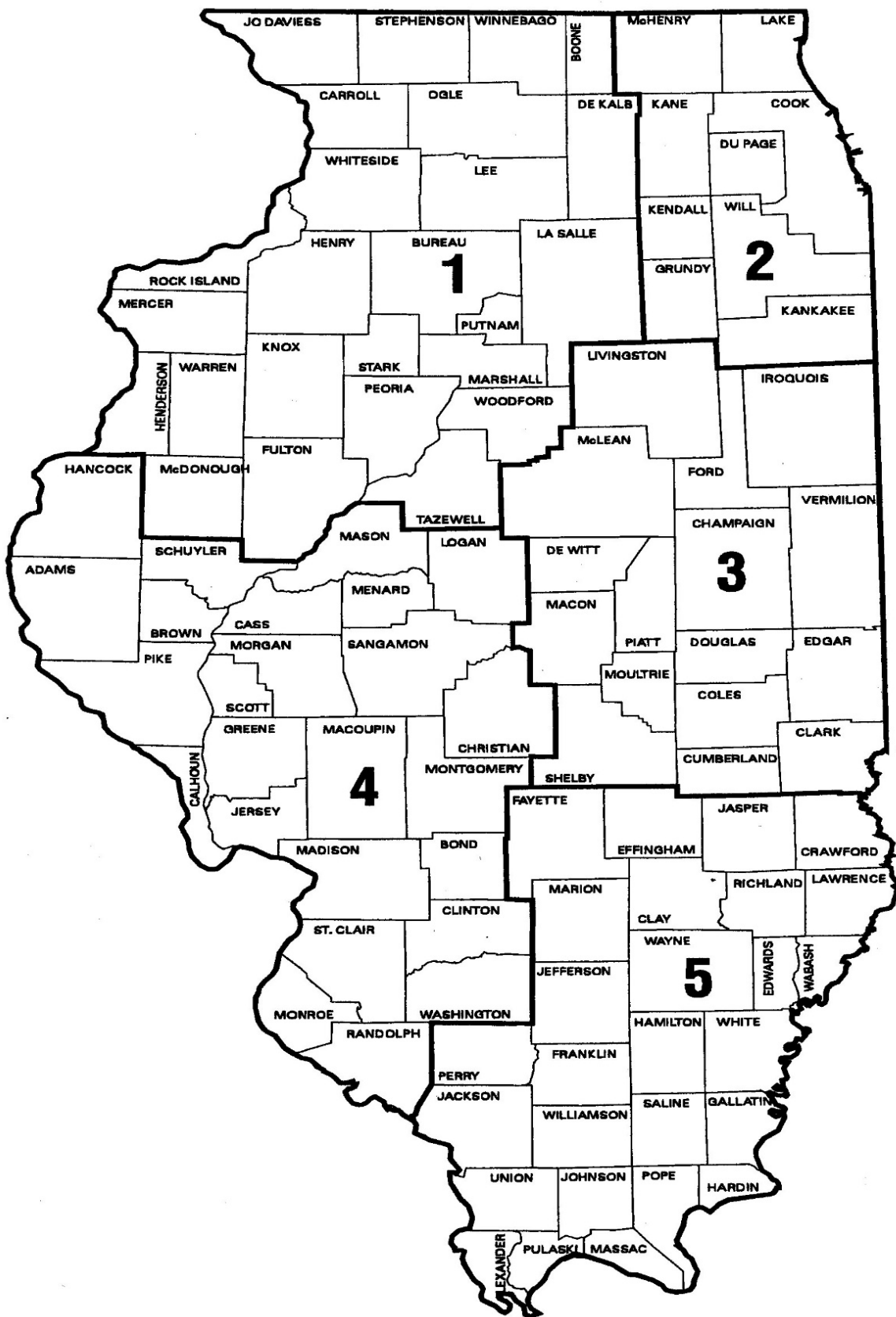
Sincerely,

A handwritten signature in black ink, appearing to read "Craig A. Miller".

Craig A. Miller  
Human Dimensions Research Program



# Administrative Regions of Illinois





## ILLINOIS NATURAL HISTORY SURVEY

Prairie Research Institute

University of Illinois at Urbana-Champaign

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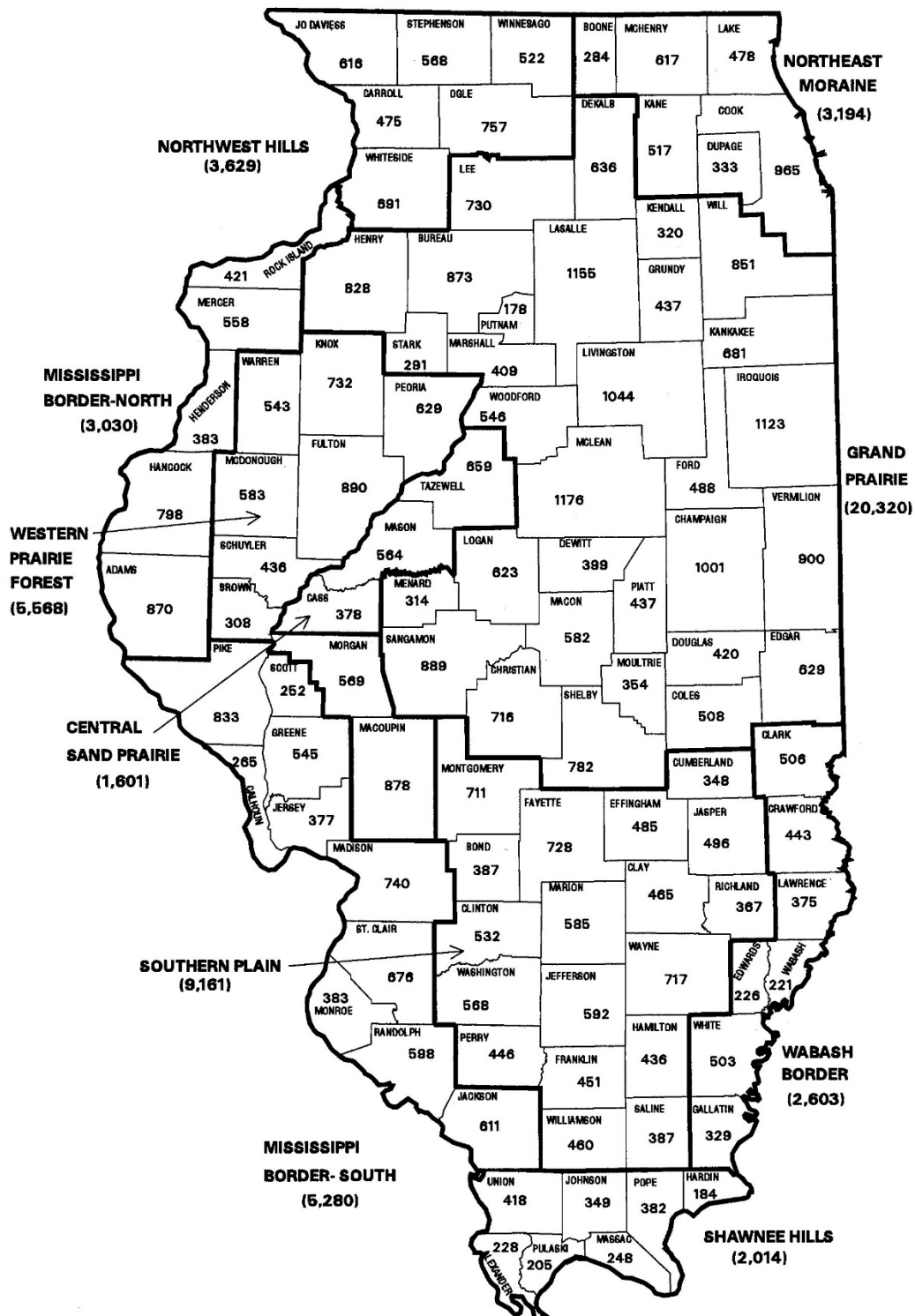
Craig A. Miller  
Human Dimensions Research Program





## Appendix F

Wildlife management units in Illinois (square miles in parentheses).





Appendix G

Administrative regions in Illinois.



## Appendix H

DEER SEASON DATES AND LIMIT				
SEASON	DATES <i>(inclusive)</i>	HOURS	LIMITS	ADDITIONAL REGULATIONS
<b>Archery</b> <i>(Counties with a firearm season and west of Route 47 in Kane County)</i>	<b>1 Oct–21 Nov and 25 Nov–4 Dec and 9 Dec 2019–19 Jan 2020</b>	<b>1/2 hour before sunrise to 1/2 hour after sunset</b>	One deer per archery permit	** See footnote below
<b>Archery</b> <i>(Cook, DuPage, Lake and Kane [east of route 47] Counties)</i>	<b>1 Oct 2019–19 Jan 2020</b>		One deer per archery permit	** See footnote below
<b>Firearm</b> <i>(Shotgun, Muzzleloader, Handgun)</i>	<b>22-24 Nov and 5–8 Dec 2019</b>		One deer per firearm permit	** See footnote below
<b>Muzzleloader only</b>	<b>5–8 Dec and 13-15 Dec 2019</b>		One deer per muzzleloader permit	** See footnote below
<b>Special CWD</b>	<b>26-29 Dec 2019 and 17-19 Jan 2020</b>		One deer per valid permit	Antlered deer limit in footnote below does not apply to this season. Counties open during this season will be posted online in October
<b>Late Winter Antlerless-only</b> <i>(Shotgun, Muzzleloader, Handgun)</i>	<b>26-29 Dec 2019 and 17-19 Jan 2020</b>		One antlerless deer per permit	Counties open during this season will be posted online in October.
<b>Youth firearm</b>	<b>12-14 Oct and 22-24 Nov 2019</b>		One deer	** See footnote below

**\*\*No hunter, regardless of the quantity or type of permits in his/her possession, may harvest more than two antlered deer during a year, including the youth, archery, muzzleloader and firearm seasons except as allowed in special CWD areas. For this harvest limit, deer seasons are in the same year if their opening dates are within the same 12-month period that begins July 1.**

TURKEY SEASON DATES AND LIMITS				
SEASON	DATES <i>(inclusive)</i>	HOURS	LIMIT	ADDITIONAL REGULATIONS
<b>Spring</b> <i>(shotgun and archery)</i>	Season 2020 <b>Segment North South</b> 1 13-17 Apr 6-10 Apr 2 18-23 Apr 11-16 Apr 3 24-29 Apr 17-22 Apr 4 30 Apr-6 May 23-29 Apr 5 7-14 May 30 Apr- 7 May	<b>1/2 hour before sunrise to 1 p.m.</b>	One tom, jake or bearded hen per permit, maximum of 3 spring permits	See map of turkey hunting zones for specific hunt periods in each zone
<b>Youth Spring</b> <i>(1 permit per year)</i>	<b>28-29 Mar and 4-5 Apr 2020</b>	<b>1/2 hour before sunrise to 1 p.m.</b>	One tom, jake or bearded hen per permit, counts toward maximum of 3 spring permits	Permit is valid to hunt individual counties or IDNR sites during season dates
<b>Fall</b> <i>(shotgun)</i>	<b>19-27 Oct 2019</b>	<b>1/2 hour before sunrise to sunset</b>	One either-sex turkey per permit, maximum of 2 fall permits	See map of fall firearm turkey hunting
<b>Fall</b> <i>(archery)</i>	<b>1 Oct 2019–19 Jan 2020</b>	<b>1/2 hour before sunrise to 1/2 hour after sunset</b>	One either-sex turkey per permit, maximum of 2 fall permits	Season closed during firearm deer season in counties open to firearm deer hunting

## WATERFOWL SEASON DATES AND LIMITS

SPECIES	Zone	DATES (inclusive)	HOURS	DAILY LIMIT	POSSESSION LIMIT	ADDITIONAL REGULATIONS		
<b>Teal</b> <i>(early season)</i>	Statewide	7-22 Sep 2019	<b>Sunrise to Sunset</b>	6	18	Blue-winged teal, green-winged teal and cinnamon teal are the only legal duck species during this season. Daily and possession limits are for all teal species combined (in the aggregate).		
<b>Rail</b> <i>(Sora and Virginia only)</i>	Statewide	7 Sep - 15 Nov 2019		25	75	Daily and possession limits are for both rail species combined (in the aggregate).		
<b>Snipe</b> <i>(Wilson's snipe)</i>	Statewide	7 Sep - 22 Dec 2019		8	24			
<b>Ducks</b>	North	19 Oct - 17 Dec 2019	<b>1/2 hour before sunrise to sunset</b>	6	18	Basic daily limit is 6 ducks of any species. However, daily limit can consist of no more than the following: 4 mallards (of which no more than 2 can be hen mallards), 3 wood ducks, 3 scaup, 2 redheads, 2 canvasback, 2 black ducks, <b>1 pintail</b> and 1 mottled duck. Possession limit for ducks is three times the daily limit by species and sex.		
	Central	26 Oct - 24 Dec 2019						
	South-central	9 Nov 2019 - 7 Jan 2020						
	South	28 Nov 2019 - 26 Jan 2020						
<b>Mergansers</b>	Same as ducks	Same as ducks		5	15		Mergansers do not count toward your daily limit of ducks, but only 2 can be hooded mergansers. Merganser possession limit is no more than three times their daily limit, including max of 6 hooded mergansers.	
<b>Coots</b>	Same as ducks	Same as ducks		15	45			
<b>Canada Geese</b> <i>(early season)</i>	North and Central	1-15 Sep 2019		5	15			
	South-central and South			2	6			
<b>Canada Geese</b>	North	19 Oct 2019 - 16 Jan 2020			3		9	
	Central	26 Oct - 3 Nov 2019 and 12 Nov 2019 - 31 Jan 2020						
	South-central	9 Nov 2019 - 31 Jan 2020						
	South	28 Nov 2019 - 31 Jan 2020						

## UPLAND GAME SEASON DATES AND LIMITS

SPECIES	Zone	DATES <i>(inclusive)</i>	HOURS	DAILY LIMIT	POSSESSION LIMIT	ADDITIONAL REGULATIONS
<b>Doves</b> <i>(mourning and white-winged)</i>	Statewide	1 Sep–14 Nov 2019 and 26 Dec 2019–9 Jan 2020	<b>Sunrise to Sunset</b>	15	45	No limits on Eurasian-collared doves and ringed turtle doves, but they may be harvested only during the established season dates and hours and using only legal methods for mourning/white-winged doves. Hunters may not remain in the field for taking Eurasian-collared doves or ringed turtle doves after they reach their daily limit for mourning/white-winged doves.
<b>Pheasants</b> <i>(roosters only)</i>	See zones map	2 Nov 2019-8 Jan 2020 (North zone) or 2 Nov 2019-15 Jan 2020 (South zone)		2	6	On the 2nd day of the hunting season, you may possess no more than twice the daily limit. Hen pheasants are illegal to harvest or possess, except as specified on controlled hunting areas.
<b>Quail</b> <i>(Bobwhite)</i>	See zones map	2 Nov 2019-8 Jan 2020 (North zone) or 2 Nov 2019-15 Jan 2020 (South zone)		8	20	On the 2nd day of the hunting season, you may possess no more than twice the daily limit.
<b>Hungarian Partridge</b>	See zones map	2 Nov 2019-8 Jan 2020 (North zone) or 2 Nov 2019-15 Jan 2020 (South zone)		2	6	On the 2nd day of the hunting season, you may possess no more than twice the daily limit.
<b>Rabbits</b> <i>(cottontail and swamp)</i>	Statewide	2 Nov 2019 - 15 Feb 2020		4	10	On the 2nd day of the hunting season, you may possess no more than twice the daily limit.
<b>Woodcock</b>	Statewide	19 Oct - 2 Dec 2019		3	9	
<b>Squirrels</b> <i>(gray and fox)</i>	Statewide	1 Aug 2019–15 Feb 2020 Closed 22-24 Nov and 5-8 Dec 2019 in counties open for firearm deer hunting	<b>½ hour before sunrise to ½ hour after sunset</b>	5	10	On the 2nd day of the hunting season, you may possess no more than twice the daily limit.
<b>Crow</b>	Statewide	28 Oct 2019 - 28 Feb 2020	<b>1/2 hour before sunrise to sunset</b>	No limit	No limit	



## FURBEARER TRAPPING REGULATIONS

SPECIES	Zone	DATES	LIMIT	ADDITIONAL REGULATIONS		
<b>Raccoon</b>	Statewide	10 Nov 2019– 15 Feb 2020	None			
<b>Opossum</b>						
<b>Striped Skunk</b>						
<b>Weasels</b>						
<b>Mink</b>						
<b>Muskrat</b>						
<b>Fox</b> <i>(Red and Gray)</i>						
<b>Coyote</b>						
<b>Badger</b>					North	2 per person per season
					South	1 per person per season
<b>Bobcat</b>	See Bobcat Zone map	One by permit only	Must possess a Bobcat Hunting and Trapping Permit BEFORE attempting to harvest a bobcat. Must purchase Bobcat Registration Permit within 48 hours of taking a bobcat. Taking bobcats in closed zone is prohibited.			
<b>Beaver</b>	Statewide	10 Nov 2019–31 Mar 2020	None			
<b>River Otter</b>	Statewide	10 Nov 2019–31 Mar 2020	5 per person per season	Must purchase Otter Registration Permit within 48 hours after each otter is trapped. Must affix official CITES tag to each pelt.		
<b>Woodchuck</b> <i>(Groundhog)</i>	Statewide	1 Jun–30 Sep 2019	None			

## FURBEARER HUNTING

SPECIES	DATES	HOURS	ADDITIONAL REGULATIONS
<b>Raccoon</b> <b>Opossum</b> <b>Fox</b> <i>(Red and Gray)</i> <b>Bobcat</b>	10 Nov 2019–15 Feb 2020  Closed during the first & second firearm deer seasons in counties open to firearm deer hunting	Open 24 hours and season begins 1/2 hour before sunrise on 10 Nov 2019 and closes 1/2 hour after sunset 15 Feb 2020. *see archery restrictions	During Archery Deer Season bow hunting hours for raccoon, opossum, fox, coyote and striped skunk will be 1/2 hour before sunrise to 1/2 hour after sunset.  Must possess a Bobcat Hunting and Trapping Permit BEFORE attempting to harvest a bobcat. Limit one bobcat per person per season. Must purchase Bobcat Registration Permit within 48 hours of harvesting a bobcat. Taking bobcats in closed zone is prohibited.
<b>Woodchuck</b> <i>(groundhog)</i>	1 Jun 2019-31 Mar 2020. Closed during the first & second firearm deer seasons in counties open to firearm deer hunting	1/2 hour before sunrise to 1/2 hour after sunset	Hunters with unfilled firearm deer permits may harvest coyotes during firearm deer seasons with weapons legal for deer hunting from 1/2 hour before sunrise to 1/2 hour after sunset.
<b>Coyote</b> <b>Striped Skunk</b>	Year round Closed during the first & second firearm deer seasons in counties open to firearm deer hunting	1/2 hour before sunrise to 1/2 hour after sunset. No time restriction 10 Nov 2019–15 Mar 2020	There is no limit on foxes, coyote, opossum, raccoon, striped skunk or woodchuck.