

SMALL GAME HUNTER ACTIVITY SURVEY – 2009

**STATEWIDE WILDLIFE RESEARCH AND SURVEYS
PERFORMANCE REPORT
for the period
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June 2010



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ABSTRACT

Random samples comprised of 14,199 Kansas resident and 7,252 non-resident 2009 hunting, combination, and lifetime license holders were selected through the electronic Kansas Outdoors Automated Licensing System (KOALS). Each individual was asked to complete an on-line questionnaire about their hunting activity in Kansas for the 2009–2010 seasons. Paper questionnaires were provided to 1,279 hunters who requested them. From the 20,566 deliverable postcards, 6,400 (31.1%) usable responses were obtained (3,782 residents, 2,618 non-residents) and 4,509 indicated hunting in Kansas during the 2009-2010 small game seasons (2,844 residents, 1,665 non-residents).

About 153,000 active licensed hunters harvested an estimated 861,000 doves, 485,000 quail, 746,000 pheasants, 5,400 greater prairie chickens, 910 lesser prairie chickens, 126,000 cottontails, 42,000 jackrabbits, and 100,000 squirrels.

SMALL GAME HUNTER ACTIVITY SURVEY - 2009

Objective: *Estimate statewide hunter activity and harvest parameters for Kansas' major small game species.*

Procedure: *A random sample of 14,199 Kansas resident and 7,252 non-resident 2009 hunting, combination, and lifetime license holders was selected from all Kansas counties using the electronic Kansas Outdoors Automated Licensing System (KOALS). Each individual was notified by postcard in early February 2010 of their selection for the survey and asked to complete an on-line questionnaire of their hunting activity about the 2009-2010 seasons. Paper questionnaires were provided to hunters who requested them. After approximately 5 weeks, non-respondents were mailed a second postcard notification requesting their participation in this survey.*

After relying entirely on electronic responses for the 2008 survey and discovering that older hunters had been undersampled with that all-electronic approach (see 2008 report), hunters sampled for the 2009 survey were immediately offered the option of receiving a paper questionnaire by returning a postage-paid card attached to their first notice. The same offer was made with the second notice. A total of 1,279 hunters requested paper questionnaires.

Results: *From the 20,566 deliverable notifications, 6,400 usable responses were obtained for an overall response rate of 31.12%. These included 3,782 responses (3,175 electronic, 607 paper) from resident hunters, and 2,618 responses (2,193 electronic, 425 paper) from non-resident hunters. Of these, 4,509 indicated hunting small game during the 2009-2010 seasons (2,844 residents and 1,665 non-residents). Based on these values, 75.2% and 63.6% of resident and non-resident hunters, respectively, hunted small game in Kansas. Female hunters accounted for 5.9% of the resident and 2.5% of the non-resident responses.*

Hunting license sales totaled 177,673 in 2009, an increase of 4.99% compared to 2008 sales of 169,226. Resident license sales increased 2.90% from 107,034 in 2008 to 110,141 in 2009. Non-resident license sales increased 8.59% from 62,192 in 2008 to 67,532 in 2009. Lifetime license holders (past 25 years, 1985–2009) numbered 36,409 during 2009.

Using the small game participation percentages previously noted (residents = 75.2%, non-residents = 63.6%), it was estimated that about 82,824 resident and 42,949 non-resident license buyers hunted small game in Kansas during the 2009-2010 seasons. The resident percentage was applied to lifetime license holders yielding an estimated 27,379 additional active hunters.

Long-term harvest estimates and hunter success indices are presented by species in tables 1 through 7. Tables 8 through 16 (a = all hunters, b = residents, c = non-residents) present regional harvest and hunter success indices for each species during the 2009-2010 seasons. Table 17 indicates the proportion of Kansas small game hunting that occurred on public land. Tables 18(a,b) and 19 present age and county-of-residence, respectively, for survey respondents. Relative small game hunting participation and harvest estimates by species are shown in tables 20a and 20b for residents and non-residents, respectively.

A summary of the 2009 small game hunting season regulations follows.

2009

SMALL GAME HUNTING SEASONS, BAG LIMITS, AND POSSESSION LIMITS

DOVE	<i>September 1 through October 31 and November 7 through 15 Daily bag = 15, Possession = 30</i>
QUAIL	<i>November 14 through January 31, 2010 Daily bag = 8, Possession = 32</i>
PHEASANT	<i>November 14 through January 31, 2010 Daily bag = 4 cocks, Possession = 16 cocks</i>
PRAIRIE CHICKEN	<i>September 15 through October 15 east of U.S. 281 (East Unit) and November 21 through January 31, 2010 east of U.S. 281 or north of I-70 (East and Northwest Units – greater prairie chicken) Daily bag = 2, Possession = 8</i> <i>November 21 through December 31 west of U.S. 281 and south of I-70 (Southwest Unit – primarily lesser prairie chicken) Daily bag = 1, Possession = 4</i>
COTTONTAIL & JACKRABBIT	<i>Season open all year Daily bag = 10, Possession = 30</i>
SQUIRREL	<i>June 1 through February 28, 2010 Daily bag = 5, Possession = 20</i>

LEGAL SHOOTING HOURS for all species: 30 minutes before sunrise to sunset

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KANSAS DOVE HARVEST

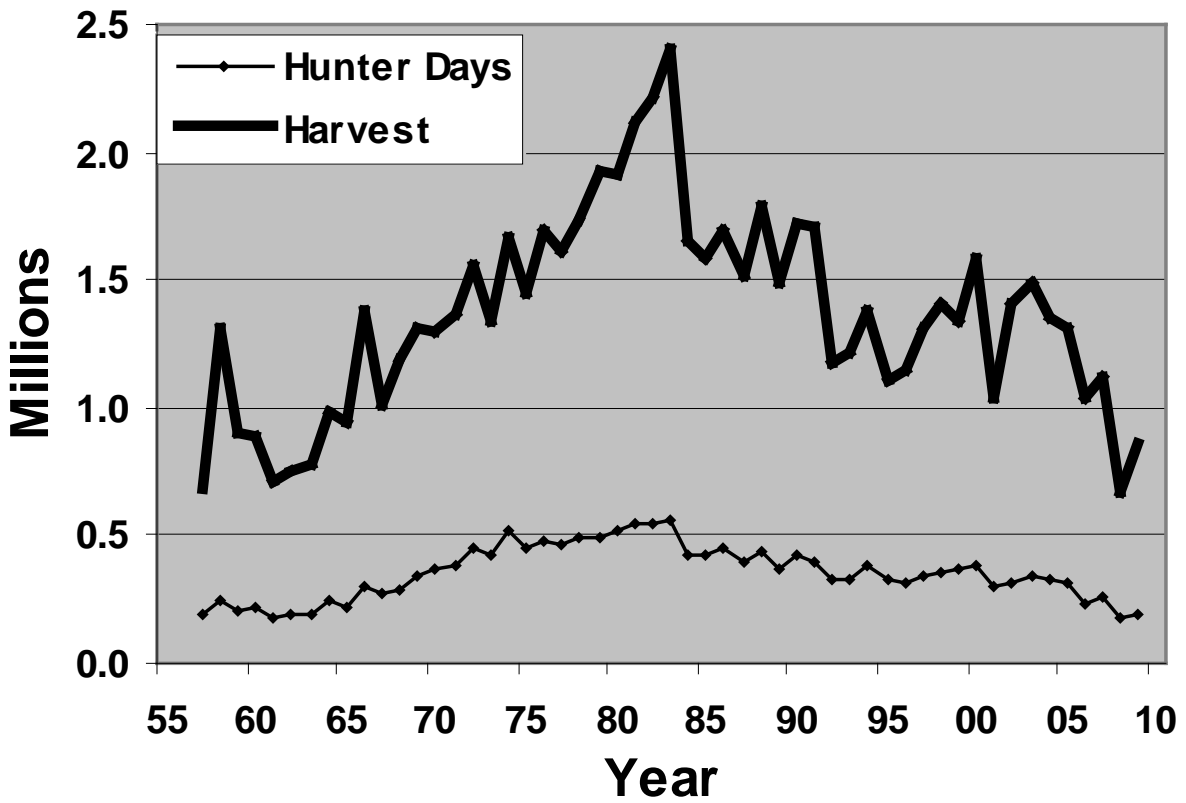


Table 1. Estimated annual **DOVE** hunting activity in Kansas.

Year	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
1957	24.00	45,400	188,000	684,000	4.15	15.07	3.63
1958	25.26	58,000	250,000	1,308,000	4.31	22.56	5.24
1959	23.14	53,200	207,000	896,000	3.89	16.85	4.33
1960	27.45	61,400	217,000	893,000	3.54	14.55	4.11
1961	23.47	48,300	181,000	712,000	3.75	14.74	3.93
1962	25.37	48,800 ^a	194,000	755,000	3.98	15.48	2.87
1963	27.75	50,100	186,000	781,000	3.71	15.58	4.20
1964	33.22	58,000	247,000	978,000	4.26	16.87	3.96
1965	30.63	54,100	223,000	936,000	4.13	17.30	4.19
1966	33.90	67,000	302,000	1,378,000	4.50	20.57	4.57
1967	31.17	63,300	273,000	1,013,000	4.31	16.01	3.71
1968	33.36	66,100	283,000	1,183,000	4.27	17.89	4.17 ^b
1969	35.76	74,500	341,000	1,312,000	4.58	17.61	3.84
1970	35.07	74,200	371,000	1,304,000	5.00	17.57	3.51
1971	39.21	81,200	378,000	1,363,000	4.66	16.79	3.75
1972	40.54	85,900	454,000	1,556,000	5.29	18.11	3.78
1973	36.27	78,200	419,000	1,333,000	5.36	17.05	3.60
1974	44.45	94,300	517,000	1,668,000	5.48	17.69	3.50
1975	43.10	86,000	448,000	1,448,000	5.21	16.84	3.49
1976	44.21	89,700	483,000	1,694,000	5.39	18.89	3.75
1977	43.39	89,200	469,000	1,612,000	5.26	18.06	3.69
1978	41.58	89,300	497,000	1,739,000	5.56	19.45	4.14
1979	43.35 ^c	98,700	486,000	1,933,000	4.92	19.59	4.51
1980	45.30	104,100	519,000	1,916,000	4.99	18.41	3.93
1981	44.11	103,000	549,000	2,115,000	5.33	20.54	3.95
1982	43.19	107,300	543,000	2,208,000	5.06	20.58	4.23
1983	43.58	104,900	558,000	2,400,000	5.32	23.06	4.49
1984	45.33	85,900	420,000	1,647,000	4.89	19.17	4.27
1985	45.39	84,200	426,000	1,586,000	5.05	18.84	3.83
1986	47.15	91,300	445,000	1,697,000	4.88	18.58	3.95
1987	42.49	83,100	393,000	1,512,000	4.73	18.18	3.93
1988	47.93	92,000	434,000	1,795,000	4.67	19.32	4.21
1989	44.91	79,600	373,000	1,495,000	4.69	18.79	4.12
1990	44.26	79,100	421,000	1,724,000	5.32	21.79	4.27
1991	44.90	83,100	393,000	1,714,000	4.73	20.63	4.44
1992	42.56	73,100	333,000	1,170,000	4.55	16.00	3.62
1993	41.13	72,000	326,000	1,219,000	4.53	16.94	3.80
1994	40.54	77,400	389,000	1,373,000	5.02	17.74	3.78
1995	41.31	74,400	324,000	1,105,000	4.35	14.86	3.35
1996	43.94	70,100	318,000	1,152,000	4.54	16.44	3.64
1997	43.25	71,700	337,000	1,312,000	4.69	18.29	4.20
1998	42.62	73,800	362,000	1,408,000	4.91	19.08	4.05
1999	39.65	71,200	370,000	1,342,000	5.19	18.83	3.87
2000	43.13	80,300	386,000	1,584,000	4.81	19.72	4.31
2001	42.14	69,900	295,000	1,042,000	4.23	14.90	3.74
2002	44.38	70,600	309,800	1,404,600	4.39	19.89	4.54
2003	43.86	73,500	338,000	1,494,000	4.60	20.34	4.72
2004	41.59	72,300	331,000	1,352,000	4.58	18.71	4.45
2005	37.98	66,500	310,000	1,305,000	4.67	19.63	4.42
2006 ^d	32.42	52,200	238,000	1,038,000	4.55	19.86	4.69
2007	36.03	56,600	263,000	1,125,000	4.63	19.87	4.57
2008	29.07	39,500	171,000	676,000	4.19	16.46	4.08
2009	26.28	44,200	197,000	861,000	4.47	19.48	4.65

^a Hunter estimates prior to 1962 were not adjusted for inactive license buyers.

^b Average Bag Per Day through 1967 expresses overall mean season bag divided by overall mean season days.

ABPD after 1967 is the mean of individual hunter ratios of season bag to season days.

^c Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

^d Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.

KANSAS BOBWHITE HARVEST

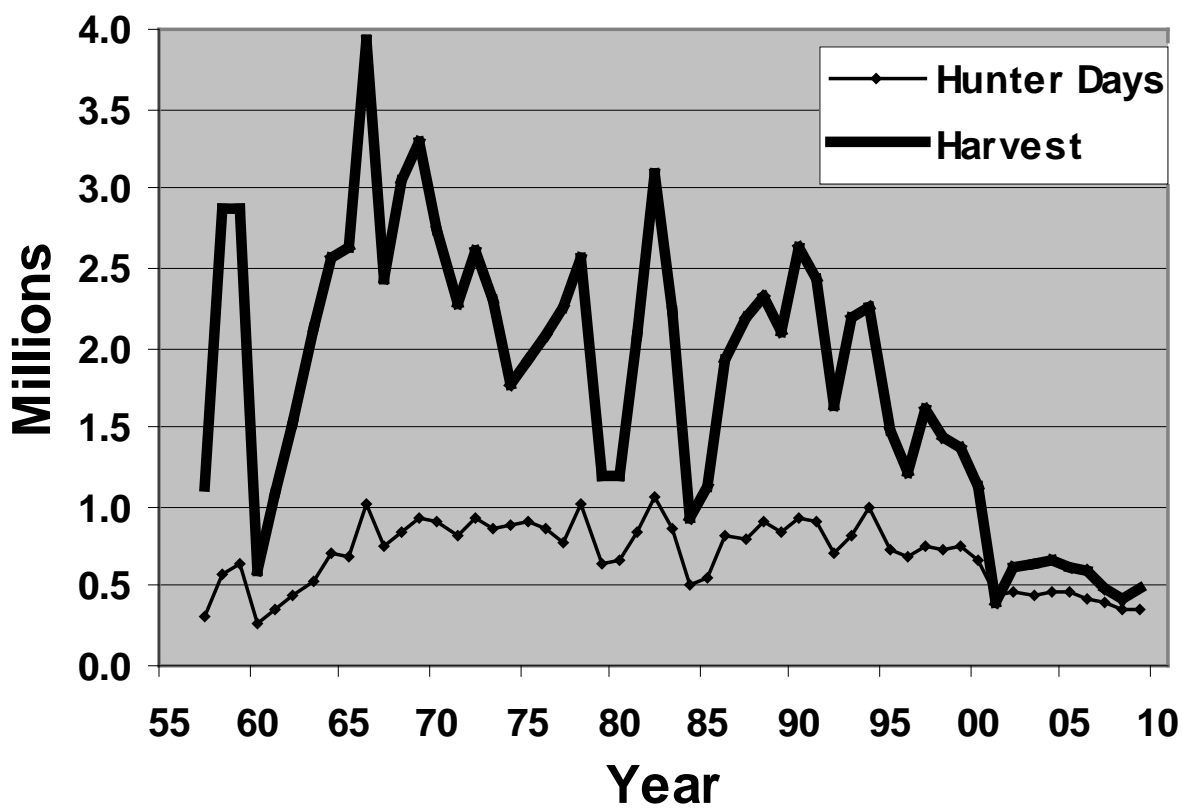


Table 2. Estimated annual **BOBWHITE** hunting activity in Kansas.

Year	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
1957	46.00	87,100	318,000	1,132,000	3.65	13.00	3.56
1958	60.86	139,800	583,000	2,863,000	4.17	20.48	4.91
1959	61.64	141,800	647,000	2,879,000	4.56	20.30	4.45
1960	43.18	96,500	261,000	594,000	2.70	6.16	2.28
1961	48.39	99,600	364,000	1,076,000	3.65	10.80	2.96
1962	55.28	106,300 ^a	437,000	1,520,000	4.11	14.30	3.48
1963	66.73	120,400	524,000	2,126,000	4.35	17.66	4.06
1964	74.91	130,800	717,000	2,573,000	5.48	19.67	3.59
1965	75.58	133,600	687,000	2,631,000	5.14	19.69	3.83
1966	79.36	156,800	1,016,000	3,931,000	6.48	25.07	3.87
1967	74.97	152,200	744,000	2,426,000	4.89	15.94	3.26
1968	76.62	151,800	838,000	3,050,000	5.52	20.09	3.50 ^b
1969	76.59	159,600	921,000	3,301,000	5.77	20.68	3.59
1970	75.69	160,200	897,000	2,733,000	5.60	17.06	3.04
1971	74.99	155,300	818,000	2,284,000	5.27	14.71	2.56
1972	74.71	158,200	924,000	2,618,000	5.84	16.55	2.73
1973	70.81	152,700	864,000	2,307,000	5.66	15.11	2.70
1974	71.63	152,000	879,000	1,772,000	5.78	11.66	2.06
1975	74.24	148,200	906,000	1,912,000	6.11	12.90	2.27
1976	73.23	148,700	864,000	2,068,000	5.81	13.91	2.43
1977	74.11	152,300	778,000	2,263,000	5.11	14.86	2.72
1978	74.97	161,000	1,027,000	2,569,000	6.38	15.96	2.70
1979	55.19 ^c	125,600	646,000	1,193,000	5.14	9.50	1.90
1980	55.19	126,800	668,000	1,186,000	5.27	9.35	1.84
1981	61.18	142,900	836,000	2,076,000	5.85	14.53	2.40
1982	67.08	166,600	1,068,000	3,094,000	6.41	18.57	2.88
1983	63.58	153,100	867,000	2,223,000	5.66	14.53	2.50
1984	52.24	99,000	500,000	920,000	5.04	9.29	1.90
1985	52.51	97,400	546,000	1,121,000	5.60	11.50	1.91
1986	63.14	122,200	815,000	1,925,000	6.67	15.75	2.31
1987	65.54	128,200	796,000	2,177,000	6.21	16.98	2.68
1988	68.43	132,700	901,000	2,324,000	6.79	17.52	2.51
1989	68.30	121,100	845,000	2,096,000	6.98	17.32	2.44
1990	73.05	130,500	920,000	2,620,000	7.05	20.07	2.82
1991	72.51	134,200	897,000	2,423,000	6.69	18.05	2.54
1992	70.39	120,900	713,000	1,635,000	5.90	13.52	2.23
1993	72.24	126,400	828,000	2,190,000	6.55	17.33	2.51
1994	74.23	141,700	987,000	2,256,000	6.96	15.92	2.18
1995	69.66	125,400	738,000	1,487,000	5.88	11.86	1.97
1996	68.95	110,000	679,000	1,225,000	6.17	11.13	1.74
1997	70.17	116,400	748,000	1,615,000	6.43	13.87	2.12
1998	66.71	115,500	721,000	1,432,000	6.24	12.40	1.96
1999	65.42	117,600	760,000	1,378,000	6.46	11.72	1.83
2000	61.29	114,100	673,000	1,129,000	5.90	9.89	1.64
2001	55.04	91,300	448,000	408,000	4.91	4.47	0.92
2002	53.32	84,900	473,000	621,000	5.57	7.32	1.36
2003	54.30	91,000	452,000	647,000	4.97	7.11	1.46
2004	51.80	90,000	456,000	674,000	5.07	7.49	1.50
2005	51.92	90,900	475,000	616,000	5.23	6.78	1.39
2006 ^d	50.20	80,900	428,000	600,000	5.29	7.41	1.39
2007	48.28	73,600	394,000	481,000	5.35	6.55	1.28
2008	51.37	69,800	358,000	410,000	4.98	5.66	1.16
2009	47.48	72,900	346,000	485,000	4.75	6.66	1.43

^a Hunter estimates prior to 1962 were not adjusted for inactive license buyers.

^b Average Bag Per Day through 1967 expresses overall mean season bag divided by overall mean season days.

ABPD after 1967 is the mean of individual hunter ratios of season bag to season days.

^c Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

^d Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.

KANSAS PHEASANT HARVEST

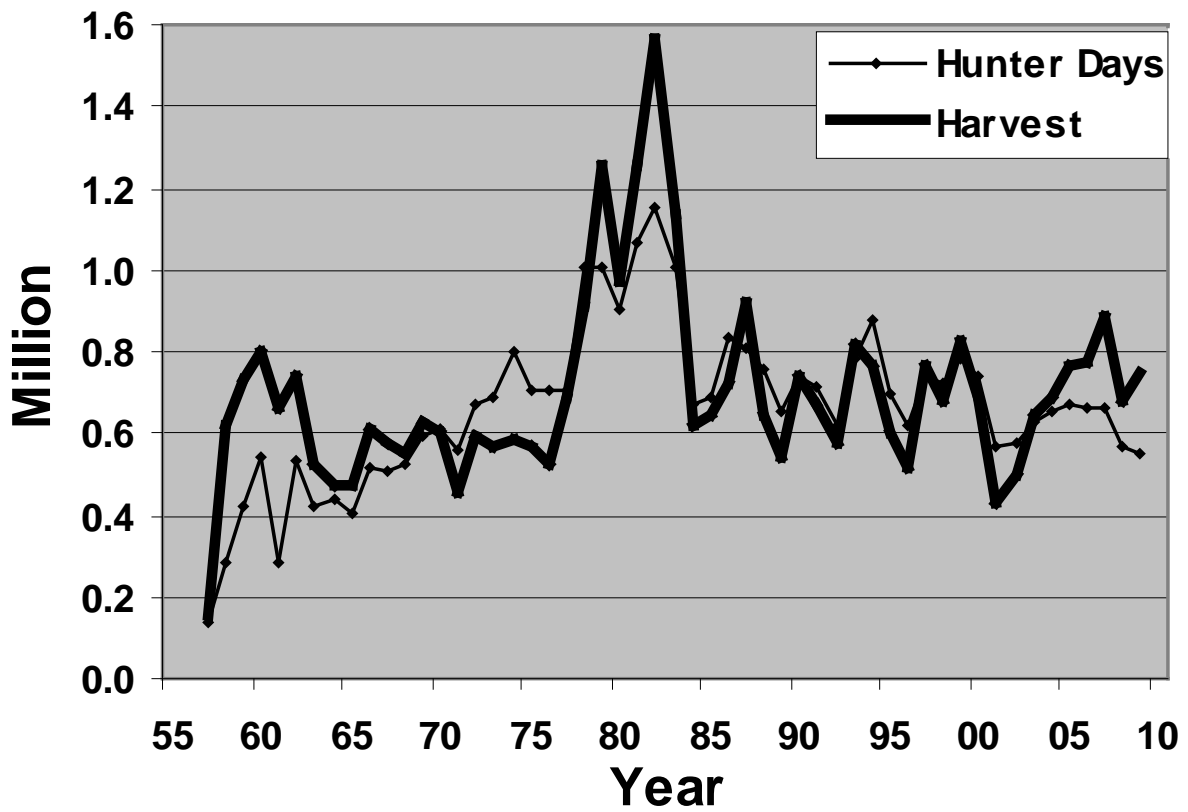


Table 3. Estimated annual PHEASANT hunting activity in Kansas.

Year	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. ^a Total Harvest	Season Days Per Hunter	Season ^a Bag Per Hunter	Average ^a Bag Per Day
1957	40.00	75,700	136,000	154,000	1.80	2.03	1.13
1958	56.83	130,500	284,000	616,000	2.18	4.72	2.16
1959	63.56	146,300	420,000	727,000	2.87	4.97	1.73
1960	75.42	168,600	541,000	801,000	3.21	4.75	1.48
1961	69.99	144,000	288,000	660,000	2.00	4.59	2.29
1962	77.70	149,500 ^b	531,000	740,000	3.55	4.95	1.39
1963	72.38	130,600	422,000	524,000	3.23	4.01	1.24
1964	67.73	118,300	440,000	471,000	3.72	3.98	1.07
1965	69.02	122,000	401,000	473,000	3.29	3.88	1.18
1966	68.09	134,500	515,000	608,000	3.83	4.52	1.18
1967	68.44	139,000	509,000	580,000	3.66	4.17	1.14
1968	68.70	136,100	523,000	548,000	3.84	4.03	0.84 ^c
1969	69.69	145,200	590,000	627,000	4.06	4.32	1.06
1970	71.20	150,700	610,000	606,000	4.05	4.02	0.99
1971	68.40	141,700	555,000	455,000	3.92	3.21	0.96
1972	67.44	142,800	674,000	595,000	4.72	4.17	1.03
1973	64.97	139,700	692,000	566,000	4.95	4.05	0.96
1974	70.75	150,200	801,000	584,000	5.33	3.89	0.85
1975	70.69	141,100	707,000	564,000	5.01	3.97	0.92
1976	71.50	145,200	706,000	523,000	4.86	3.60	0.90
1977	72.21	148,400	709,000	690,000	4.78	4.65	1.09
1978	78.17	168,000	1,008,000	916,000	6.00	5.46	1.11
1979	78.17 ^d	177,900	1,009,000	1,253,000	5.67	7.05	1.41
1980	76.69	176,200	907,000	972,000	5.15	5.52	1.19
1981	78.45	183,200	1,070,000	1,260,000	5.84	6.88	1.36
1982	78.73	195,600	1,152,000	1,565,000	5.89	8.00	1.51
1983	76.27	183,600	1,006,000	1,138,000	5.48	6.20	1.28
1984	71.59	135,700	668,000	616,000	4.92	4.54	1.07
1985	73.64	136,600	688,000	645,000	5.03	4.72	1.02
1986	73.90	143,100	836,000	723,000	5.84	5.06	1.01
1987	76.44	149,600	812,000	921,000	5.43	6.16	1.21
1988	74.50	144,400	760,000	644,000	5.26	4.46	1.00
1989	70.49	124,900	653,000	546,000	5.23	4.37	0.96
1990	74.44	133,000	738,000	742,000	5.55	5.58	1.14
1991	74.80	138,400	710,000	669,000	5.13	4.83	1.08
1992	73.42	126,100	622,000	574,000	4.93	4.55	0.99
1993	76.81	134,400	785,000	820,000	5.84	6.10	1.18
1994	76.10	145,300	874,000	768,000	6.02	5.28	1.07
1995	74.14	133,500	694,000	603,000	5.20	4.52	0.96
1996	70.02	111,700	621,000	512,000	5.56	4.59	0.94
1997	75.26	124,800	742,000	766,000	5.94	6.13	1.15
1998	72.63	125,800	721,000	681,000	5.73	5.41	1.01
1999	74.43	133,700	780,000	824,000	5.83	6.16	1.18
2000	71.64	133,400	738,000	692,000	5.53	5.19	1.00
2001	70.27	116,600	572,000	426,000	4.91	3.66	0.82
2002	67.09	106,800	578,000	497,000	5.41	4.65	0.93
2003	69.87	117,000	625,000	646,000	5.34	5.52	1.13
2004	71.22	123,800	650,000	685,000	5.25	5.53	1.11
2005	71.26	124,700	673,000	764,000	5.40	6.12	1.20
2006 ^e	75.10	120,900	659,000	774,000	5.44	6.39	1.26
2007	77.81	117,100	660,000	887,000	5.64	7.58	1.41
2008	79.55	108,100	565,000	680,000	5.08	6.05	1.23
2009	74.78	112,400	548,000	746,000	4.87	6.62	1.39

^a Values are for cocks only. Hen harvest estimates are based on check station data showing 28.6% (264,000) hens in 1961 and 19.4% (178,000) hens in 1962.

^b Hunter estimates prior to 1962 were not adjusted for inactive license buyers.

^c Average Bag Per Day through 1967 expresses overall mean season bag divided by overall mean season days. ABPD after 1967 is the mean of individual hunter ratios of season bag to season days.

^d Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

^e Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.

GREATER PRAIRIE CHICKEN

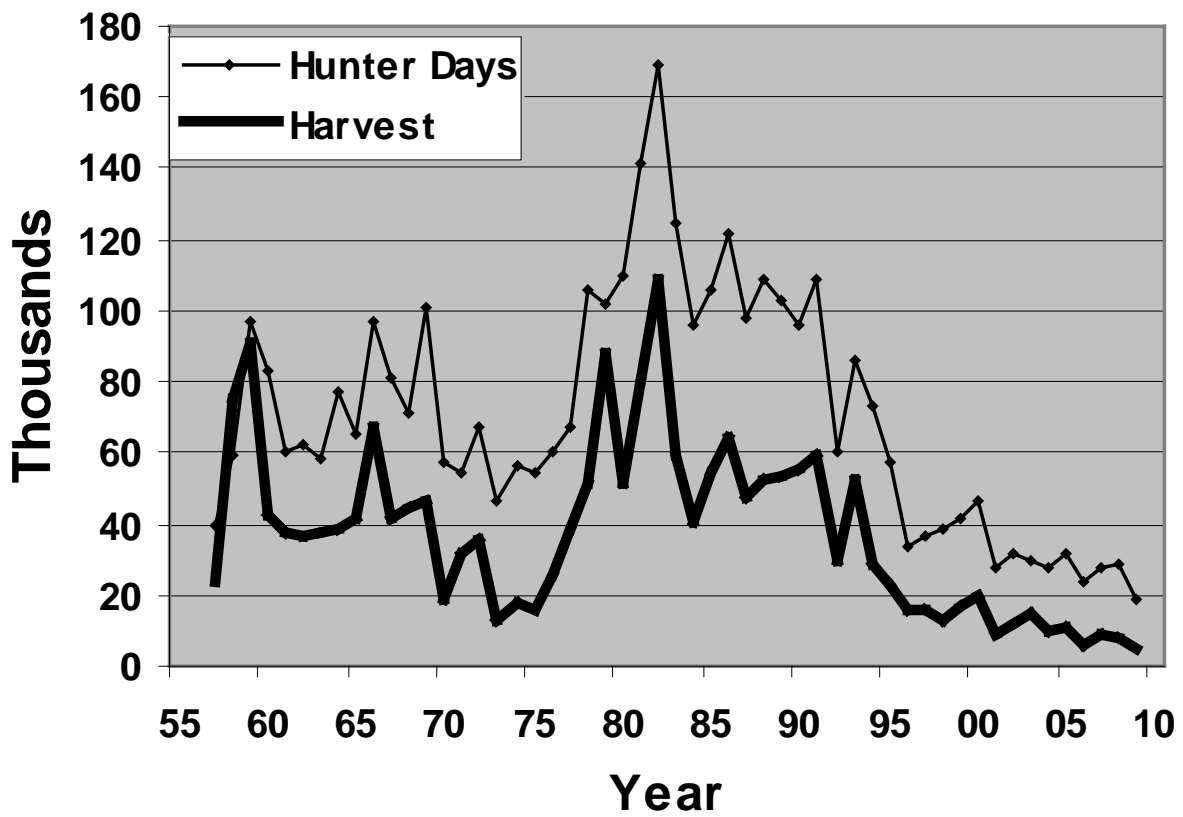


Table 4. Estimated annual **GREATER PRAIRIE CHICKEN** hunting activity in Kansas.

Year	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
1957	16.00	30,300	40,000	24,000	1.32	0.78	0.59
1958	22.59	51,900	59,000	75,000	1.13	1.45	1.28
1959	27.86	64,100	97,000	91,000	1.52	1.42	0.94
1960	25.71	57,500	83,000	43,000	1.45	0.74	0.51
1961	19.46	40,000	60,000	38,000	1.50	0.96	0.64
1962	20.37	39,200 ^a	62,000	37,000	1.59	0.95	0.60
1963	20.58	37,100	58,000	38,000	1.57	1.02	0.65
1964	25.49	44,500	77,000	39,000	1.73	0.87	0.50
1965	23.49	41,500	65,000	42,000	1.56	1.01	0.65
1966	26.67	52,700	97,000	67,000	1.84	1.27	0.69
1967	22.20	45,100	81,000	42,000	1.79	0.94	0.53
1968	19.94	39,500	71,000	45,000	1.80	1.13	0.63
1969	23.34	48,600	101,000	46,000	2.08	0.95	0.46
1970	16.68	35,300	57,000	19,000	1.62	0.53	0.33
1971	15.81	32,700	54,000	32,000	1.65	0.98	0.60
1972	16.07	34,000	67,000	36,000	1.96	1.06	0.54
1973	8.69	18,700	46,000	13,000	2.45	0.71	0.29
1974	9.54	20,200	56,000	18,000	2.75	0.91	0.33
1975	8.57	17,100	54,000	16,000	3.16	0.92	0.29
1976	10.76	21,800	60,000	26,000	2.75	1.19	0.44
1977	11.11	22,800	67,000	39,000	2.92	1.71	0.59
1978	15.88	34,100	106,000	51,000	3.12	1.49	0.50
1979	15.88 ^c	36,100	102,000	88,000	2.83	2.45	0.87
1980	16.12	37,000	110,000	51,000	2.98	1.37	0.49 ^b
1981	19.46	45,400	141,000	80,000	3.11	1.76	0.57
1982	21.36	53,100	169,000	109,000	3.18	2.05	0.70
1983	17.07	41,100	125,000	59,000	3.04	1.44	0.50
1984	15.85	30,000	96,000	41,000	3.20	1.38	0.45
1985	16.22	30,100	106,000	54,000	3.52	1.78	0.52
1986	17.49	33,900	122,000	64,000	3.61	1.90	0.54
1987	15.32	30,000	98,000	47,000	3.26	1.58	0.52
1988	16.88	32,700	109,000	52,000	3.35	1.59	0.46
1989 ^d	14.42	25,600	103,000	53,000	4.11	2.15	0.53
1990	14.54	26,000	96,000	55,000	3.67	2.09	0.55
1991	13.58	24,800	109,000	59,000	4.49	2.50	0.56
1992	10.89	18,700	60,000	30,000	3.28	1.65	0.52
1993	12.29	21,400	86,000	52,000	3.92	2.40	0.57
1994	9.99	19,100	73,000	29,000	3.87	1.52	0.47
1995	8.57	15,400	57,000	23,000	3.70	1.50	0.43
1996	7.15	11,400	34,000	16,000	3.01	1.36	0.44
1997	6.69	11,100	37,000	16,000	3.32	1.41	0.51
1998	6.38	11,000	39,000	13,000	3.49	1.21	0.46
1999	5.63	10,100	41,800	16,900	4.14	1.67	0.48
2000	6.12	11,400	46,000	19,300	4.42	1.36	0.43
2001	4.86	8,100	27,700	9,300	3.44	1.15	0.37
2002	5.43	8,600	31,700	11,400	3.68	1.31	0.42
2003	4.62	7,740	29,200	14,800	3.78	1.91	0.54
2004	5.48	9,530	27,500	9,700	2.86	1.02	0.45
2005	3.56	6,230	31,300	11,100	5.02	1.79	0.40
2006 ^e	4.16	5,640	23,500	6,300	4.17	1.11	0.34
2007	5.03	7,630	27,890	8,500	3.66	1.22	0.31
2008	5.41	7,350	28,250	8,100	3.46	0.88	0.32
2009	3.19	4,870	18,810	5,400	3.94	1.24	0.39

^a Hunter estimates prior to 1962 were not adjusted for inactive license buyers.

^b Average Bag Per Day through 1979 expresses overall mean season bag divided by overall mean season days.

ABPD after 1979 is the mean of individual hunter ratios of season bag to season days.

^c Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

^d Values from 1989 forward include both regular (November opening to Jan. 31) and special early (9/15-10/15) season.

^e Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.

LESSER PRAIRIE CHICKEN

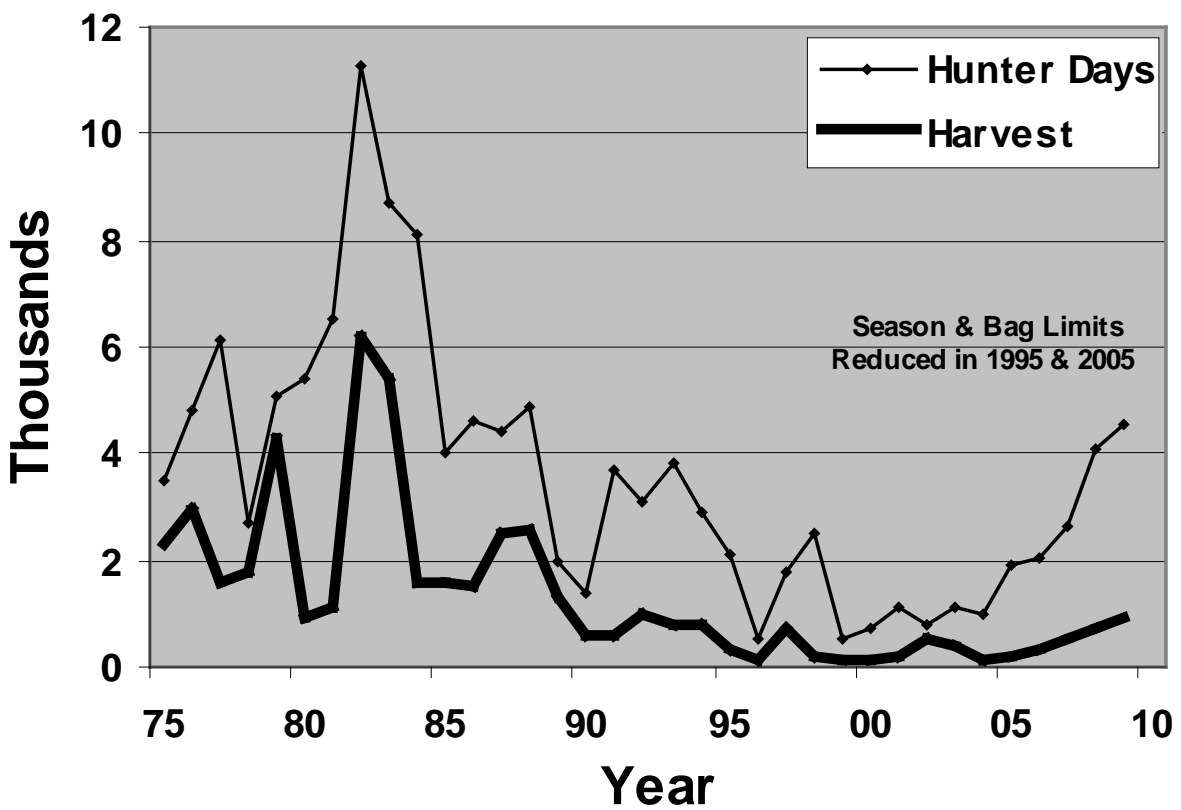


Table 5. Estimated annual **LESSER PRAIRIE CHICKEN** hunting activity in Kansas^a.

Year	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
1975	0.70	1,400	3,500	2,300	2.48	1.67	0.67
1976	0.90	1,800	4,800	3,000	2.67	1.64	0.61
1977	0.90	1,900	6,100	1,600	3.19	0.89	0.28
1978	0.51	1,100	2,700	1,800	2.46	1.63	0.66
1979	0.75 ^b	1,700	5,100	4,300	3.00	2.55	0.85
1980	0.98	2,200	5,400	900	2.44	0.41	0.30 ^c
1981	0.82	1,900	6,500	1,100	3.42	0.58	0.19
1982	1.38	3,400	11,300	6,200	3.31	1.81	0.58
1983	1.17	2,800	8,700	5,400	3.10	1.91	0.61
1984	0.70	1,300	8,100	1,600	6.12	1.24	0.51
1985	0.59	1,100	4,000	1,600	3.71	1.50	0.34
1986	0.73	1,400	4,600	1,500	3.24	1.06	0.32
1987	0.68	1,300	4,400	2,500	3.30	1.90	0.38
1988	0.87	1,700	4,900	2,600	2.90	1.55	0.73
1989	0.45	800	2,000	1,300	2.50	1.60	0.54
1990	0.25	400	1,400	600	3.17	1.33	0.49
1991	0.45	800	3,700	600	4.36	0.73	0.32
1992 ^d	0.66	1,100	3,100	1,000	2.80	0.80	0.51
1993	0.70	1,200	3,800	800	3.07	0.64	0.14
1994	0.40	800	2,900	800	5.00	1.00	0.27
1995 ^e	0.30	500	2,100	300	3.83	0.50	0.06
1996	0.15	200	500	100	2.00	0.00	0.00
1997	0.38	600	1,800	700	2.80	1.10	0.42
1998	0.18	300	2,500	200	7.83	0.67	0.31
1999	0.12	200	500	100	2.25	0.50	0.38
2000	0.17	300	700	100	2.20	0.40	0.30
2001	0.23	330	1,100	170	3.55	0.55	0.18
2002	0.22	300	790	520	2.25	1.50	0.68
2003	0.31	530	1,130	380	2.14	0.71	0.33
2004	0.14	250	990	120	4.00	0.50	0.50
2005 ^e	0.29	500	1,910	200	3.80	0.40	0.40
2006 ^f	0.41	650	2,020	340	3.09	0.52	0.23
2007	0.58	830	2,640	500	3.18	0.59	0.22
2008	0.53	720	4,060	750	5.51	1.00	0.20
2009	0.53	770	4,530	910	5.95	1.19	0.30

^a Wide annual variation is caused by low sample size for this species.

^b Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

^c Average Bag Per Day through 1979 expresses overall mean season bag divided by overall mean season days.

ABPD after 1979 is the mean of individual hunter ratios of season bag to season days.

^d Values from 1992-1994 include both regular (November opening to Jan. 31) and special early (9/15-10/15) season.

^e Season length reduced and with daily bag set at 1.

^f Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.

KANSAS COTTONTAIL HARVEST

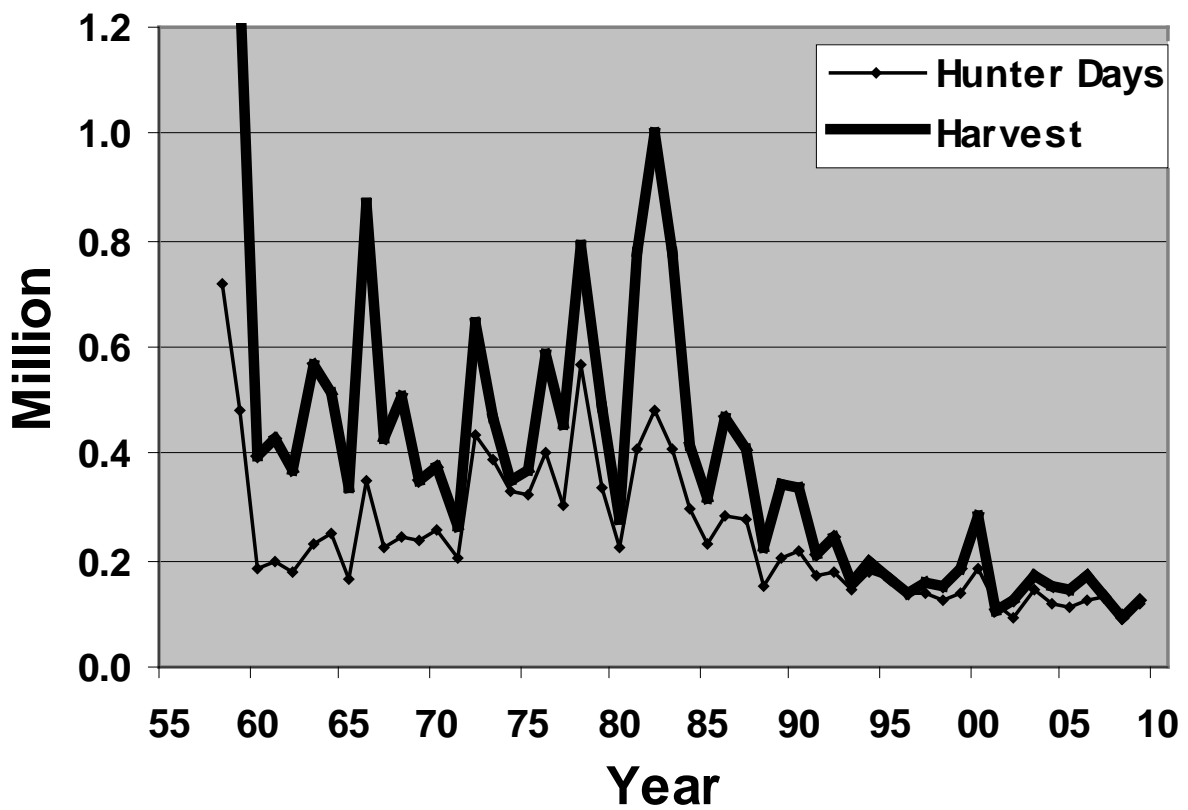


Table 6. Estimated annual **COTTONTAIL** hunting activity in Kansas.

Year	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
1957							
1958	56.24	129,200	716,000	2,075,000	5.54	16.06	2.90
1959	38.07	87,600	483,000	1,282,000	5.51	14.63	2.66
1960	18.71	41,800	185,000	398,000	4.43	9.53	2.15
1961	25.19	51,800	198,000	427,000	3.83	8.24	2.15
1962	22.13	42,600 ^a	177,000	372,000	4.16	8.74	2.10
1963	33.54	60,500	230,000	566,000	3.80	9.35	2.46
1964	32.94	57,500	248,000	516,000	4.31	8.97	2.08
1965	23.61	41,700	168,000	334,000	4.04	8.00	1.98
1966	40.02	79,100	352,000	872,000	4.45	11.02	2.48
1967	28.44	57,700	225,000	430,000	3.90	7.45	1.92
1968	32.64	64,700	243,000	506,000	3.76	7.82	2.08 ^b
1969	27.31	56,900	237,000	347,000	4.17	6.09	1.46
1970	28.52	60,300	254,000	374,000	4.21	6.21	1.48
1971	23.69	49,100	206,000	261,000	4.20	5.31	1.69
1972	40.97	86,700	436,000	648,000	5.03	7.47	1.93
1973	32.15	69,300	386,000	469,000	5.57	6.77	1.68
1974	31.63	67,100	331,000	348,000	4.94	5.36	1.45
1975	32.02	63,900	320,000	371,000	5.01	5.81	1.65
1976	37.70	76,500	399,000	587,000	5.21	7.67	1.89
1977	33.05	67,900	303,000	456,000	4.46	6.71	1.94
1978	40.69	87,400	568,000	792,000	6.50	9.07	2.21
1979	35.02 ^c	79,700	336,000	489,000	4.22	6.13	1.96
1980	21.72	49,900	227,000	277,000	4.55	5.56	1.50
1981	36.00	84,100	410,000	778,000	4.88	9.26	2.26
1982	37.22	92,500	481,000	1,001,000	5.20	10.83	2.67
1983	32.18	77,500	410,000	781,000	5.29	10.09	2.32
1984	29.39	55,700	299,000	415,000	5.37	7.46	1.70
1985	24.27	45,000	234,000	317,000	5.20	7.04	1.71
1986	32.45	62,800	281,000	469,000	4.47	7.46	2.10
1987	28.40	55,600	274,000	410,000	4.92	7.38	2.01
1988	16.52	32,000	153,000	221,000	4.79	6.90	1.77
1989	23.66	41,900	204,000	346,000	4.86	8.25	1.87
1990	26.58	47,500	220,000	335,000	4.63	7.05	1.96
1991	17.91	33,100	174,000	211,000	5.26	6.36	1.73
1992	23.81	40,900	178,000	245,000	4.35	5.99	1.66
1993	16.86	29,500	142,000	160,000	4.81	5.42	1.53
1994	18.81	35,900	177,000	195,000	4.92	5.44	1.52
1995	18.88	34,000	168,000	165,000	4.95	4.85	1.25
1996	18.01	28,700	141,000	136,000	4.90	4.72	1.32
1997	16.41	27,200	136,000	158,000	5.01	5.82	1.58
1998	14.03	24,300	127,000	150,000	5.22	6.17	1.67
1999	15.45	27,800	141,000	187,000	5.07	6.75	1.61
2000	19.37	36,100	187,000	282,000	5.18	7.81	1.95
2001	12.78	21,200	118,000	106,000	5.56	4.98	1.21
2002	13.11	20,900	92,000	124,000	4.43	5.95	1.49
2003	15.07	25,200	147,000	174,000	5.83	6.90	1.55
2004	13.42	23,300	120,000	149,000	5.14	6.40	1.68
2005	12.39	21,700	111,000	142,000	5.13	6.56	1.57
2006 ^d	13.32	21,400	125,000	169,000	5.85	7.87	1.56
2007	14.23	22,200	132,000	132,000	5.96	5.95	1.23
2008	12.73	17,300	102,000	92,000	5.72	5.11	1.10
2009	12.77	21,000	117,000	126,000	5.57	6.01	1.52

^a Hunter estimates prior to 1962 were not adjusted for inactive license buyers.

^b Average Bag Per Day through 1967 expresses overall mean season bag divided by overall mean season days.

ABPD after 1967 is the mean of individual hunter ratios of season bag to season days.

^c Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

^d Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.

KANSAS SQUIRREL HARVEST

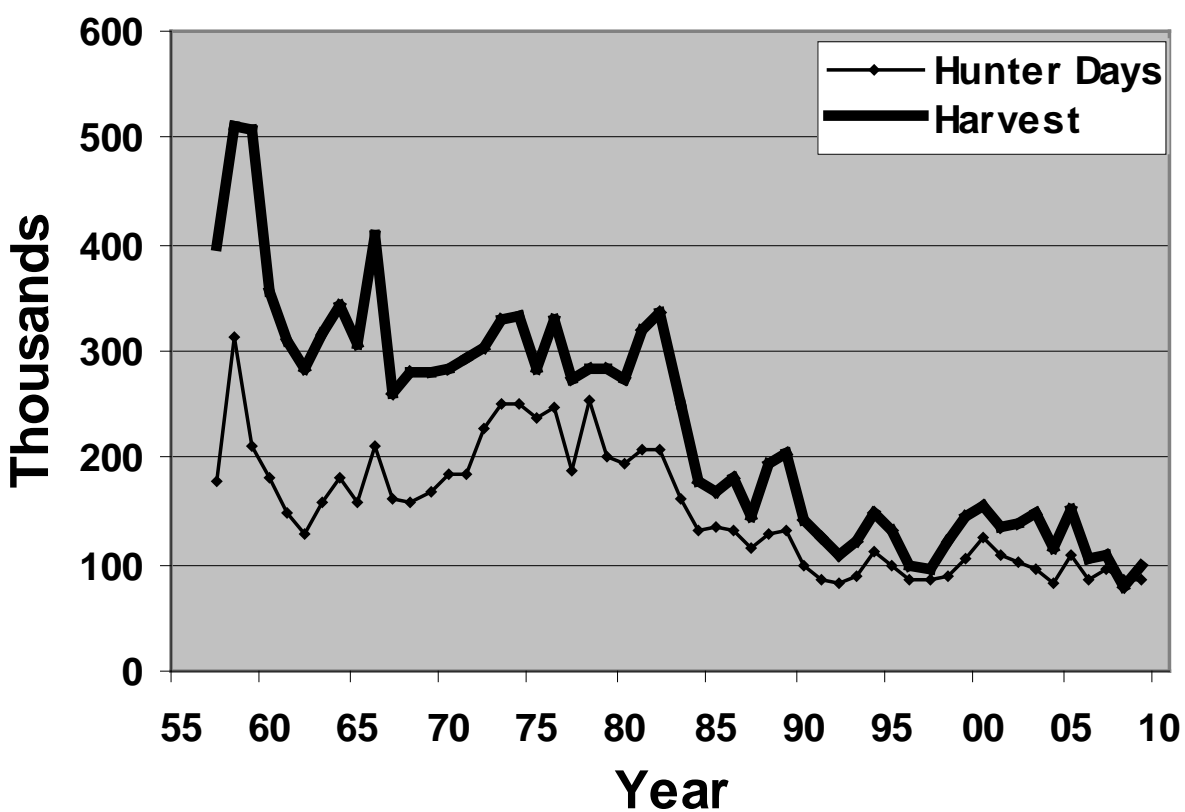


Table 7. Estimated annual **SQUIRREL** (Fox and Gray) hunting activity in Kansas.

Year	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
1957	21.00	39,800	177,000	400,000	4.44	10.06	2.27
1958	27.80	63,900	314,000	512,000	4.91	8.01	1.63
1959	21.51	49,500	210,000	509,000	4.24	10.29	2.43
1960	20.38	45,600	180,000	357,000	3.95	7.82	1.98
1961	18.74	38,600	148,000	311,000	3.73	8.06	2.16
1962	17.95	34,500 ^a	129,000	284,000	3.74	8.23	2.20
1963	22.74	41,000	158,000	317,000	3.86	7.72	2.00
1964	25.27	44,100	181,000	342,000	4.10	7.75	1.89
1965	21.73	38,400	159,000	305,000	4.14	7.95	1.92
1966	23.49	46,400	212,000	409,000	4.57	8.82	1.93
1967	20.87	42,400	160,000	262,000	3.77	6.19	1.64
1968	20.76	41,100	157,000	279,000	3.81	6.78	1.52 ^b
1969	21.12	44,000	169,000	281,000	3.85	6.39	1.66
1970	21.52	45,500	183,000	285,000	4.03	6.27	1.55
1971	21.46	44,400	184,000	293,000	4.14	6.60	1.74
1972	23.34	49,400	227,000	304,000	4.59	6.16	1.60
1973	22.90	49,400	252,000	331,000	5.10	6.70	1.64
1974	24.64	52,300	250,000	333,000	4.78	6.56	1.53
1975	23.82	47,600	239,000	282,000	5.03	5.93	1.55
1976	24.23	49,200	247,000	330,000	5.02	6.70	1.62
1977	21.13	43,400	187,000	272,000	4.32	6.27	1.63
1978	19.69	42,000	253,000	285,000	6.02	6.74	1.65
1979	22.70 ^c	51,700	201,000	283,000	3.88	5.48	1.72
1980	16.98	39,000	195,000	273,000	4.99	6.99	1.54
1981	18.35	42,800	207,000	321,000	4.84	7.50	1.64
1982	16.14	40,100	209,000	337,000	5.21	8.40	1.81
1983	13.64	32,800	163,000	252,000	4.97	7.68	1.68
1984	14.86	28,200	133,000	179,000	4.73	6.34	1.51
1985	15.55	28,800	135,000	167,000	4.67	5.79	1.41
1986	13.42	26,000	133,000	181,000	5.10	6.98	1.40
1987	12.56	24,600	117,000	146,000	4.76	5.92	1.55
1988	13.36	26,300	130,000	195,000	4.93	7.39	1.71
1989	16.34	29,000	131,000	205,000	4.52	7.09	1.64
1990	13.35	23,900	98,000	141,000	4.10	5.90	1.57
1991	10.95	20,300	85,000	126,000	4.20	6.21	1.57
1992	9.84	16,900	81,000	109,000	4.81	6.45	1.48
1993	10.18	17,800	89,000	123,000	5.01	6.90	1.42
1994	10.64	20,300	113,000	150,000	5.55	7.38	1.48
1995	10.51	18,900	98,000	131,000	5.16	6.91	1.52
1996	9.99	15,900	85,000	100,000	5.36	6.28	1.48
1997 ^d	10.59	17,600	85,000	97,000	4.87	5.53	1.31
1998	9.84	17,000	88,000	121,000	5.15	7.12	1.45
1999	11.02	19,800	106,000	146,000	5.36	7.39	1.61
2000	11.66	21,700	125,000	155,000	5.78	7.13	1.47
2001	10.74	17,800	108,000	135,000	6.09	7.58	1.54
2002	13.00	20,700	103,000	138,000	5.00	6.67	1.53
2003	10.18	17,000	96,000	149,000	5.63	8.72	1.60
2004	9.55	16,600	84,000	115,000	5.08	6.92	1.41
2005	11.02	19,300	109,000	151,000	5.65	7.82	1.46
2006 ^e	8.42	13,600	86,000	105,000	6.28	7.72	1.45
2007	10.41	16,500	95,000	110,000	5.75	6.65	1.37
2008	11.04	15,000	85,000	80,000	5.51	5.11	1.19
2009	8.34	14,300	86,000	100,000	5.99	7.00	1.31

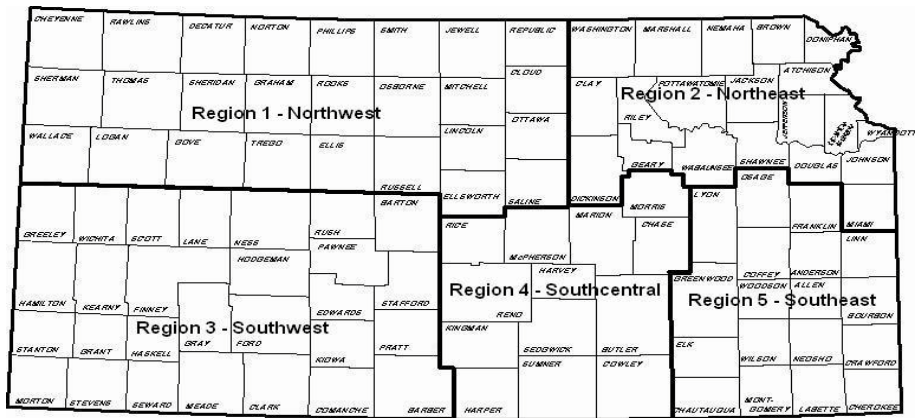
^a Hunter estimates prior to 1962 were not adjusted for inactive license buyers.

^b Average Bag Per Day through 1967 expresses overall mean season bag divided by overall mean season days. ABPD after 1967 is the mean of individual hunter ratios of season bag to season days.

^c Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

^d Season was extended 2 months to run from June 1 through the end of February.

^e Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.



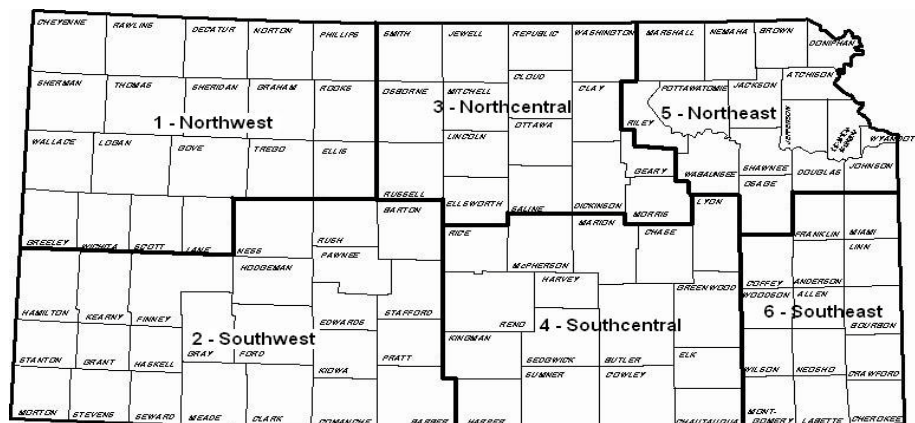
Kansas Department of Wildlife and Parks **ADMINISTRATIVE** regions.

Table 8a. **All** hunter activity for **DOVES**, 2009 season ^a.

Region	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	1,185	44,200	197,000	861,000	4.47	19.48	4.65
A1-NW	308	11,200	50,200	245,500	4.49	21.95	5.43
A2-NE	211	8,000	35,100	131,900	4.37	16.42	3.77
A3-SW	221	8,100	35,000	158,000	4.29	19.39	5.16
A4-SC	258	9,900	47,300	188,800	4.79	19.15	4.02
A5-SE	168	6,300	27,300	126,000	4.31	19.86	4.72
A0-NS ^b	19	700	2,600	11,000	3.99	16.82	5.11
M1-NW	164	6,000	26,100	127,400	4.41	21.51	5.14
M2-SW	200	7,300	32,000	143,500	4.36	19.54	5.10
M3-NC	216	8,000	34,900	162,000	4.35	20.21	5.31
M4-SC	282	10,800	50,000	201,800	4.65	18.77	4.05
M5-NE	154	5,800	25,000	91,300	4.28	15.60	3.68
M6-SE	150	5,700	26,800	124,000	4.73	21.88	4.75

^a The sum of regional values may not precisely equal state total due to computation method.

^b County hunted not specified. Non-specified management region equals non-specified administrative region.



Kansas **DOVE** management / survey regions.

Table 8b. **Resident** hunter activity for **DOVES**, 2009 season ^a.

Region	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	1,053	40,800	184,000	779,000	4.51	19.10	4.48
A1-NW	250	9,700	44,000	205,700	4.54	21.23	5.14
A2-NE	200	7,700	34,200	125,300	4.42	16.17	3.67
A3-SW	189	7,300	31,800	138,700	4.34	18.94	4.94
A4-SC	247	9,600	45,800	181,400	4.78	18.95	3.95
A5-SE	155	6,000	26,400	121,700	4.40	20.26	4.78
A0-NS ^b	12	500	1,900	6,500	4.10	14.00	4.49
M1-NW	131	5,100	23,200	110,100	4.58	21.70	4.96
M2-SW	169	6,500	29,000	124,300	4.43	18.99	4.84
M3-NC	189	7,300	31,400	138,700	4.29	18.94	4.99
M4-SC	268	10,400	48,200	192,200	4.64	18.50	3.98
M5-NE	145	5,600	24,300	86,600	4.32	15.41	3.60
M6-SE	139	5,400	26,100	120,700	4.85	22.42	4.80

^a The sum of regional values may not precisely equal state total due to computation method.

^b County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 8c. **Non-Resident** hunter activity for **DOVES**, 2009 season ^a.

Region	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	132	3,400	13,000	82,000	3.92	24.02	6.73
A1-NW	58	1,500	6,200	39,800	4.16	26.60	7.28
A2-NE	11	280	900	6,600	3.27	23.27	6.71
A3-SW	32	830	3,200	19,300	3.84	23.42	7.06
A4-SC	11	280	1,500	7,400	5.18	26.00	6.45
A5-SE	13	340	900	4,300	2.62	12.77	3.74
A0-NS ^b	7	180	700	4,500	3.67	24.67	6.83
M1-NW	33	850	2,900	17,300	3.39	20.36	6.22
M2-SW	31	800	3,000	19,200	3.80	24.07	7.27
M3-NC	27	700	3,500	23,300	5.04	33.44	8.58
M4-SC	14	360	1,800	9,600	4.86	26.50	6.14
M5-NE	9	230	700	4,700	3.22	20.33	5.64
M6-SE	11	280	700	3,300	2.55	11.45	3.87

^a The sum of regional values may not precisely equal state total due to computation method.

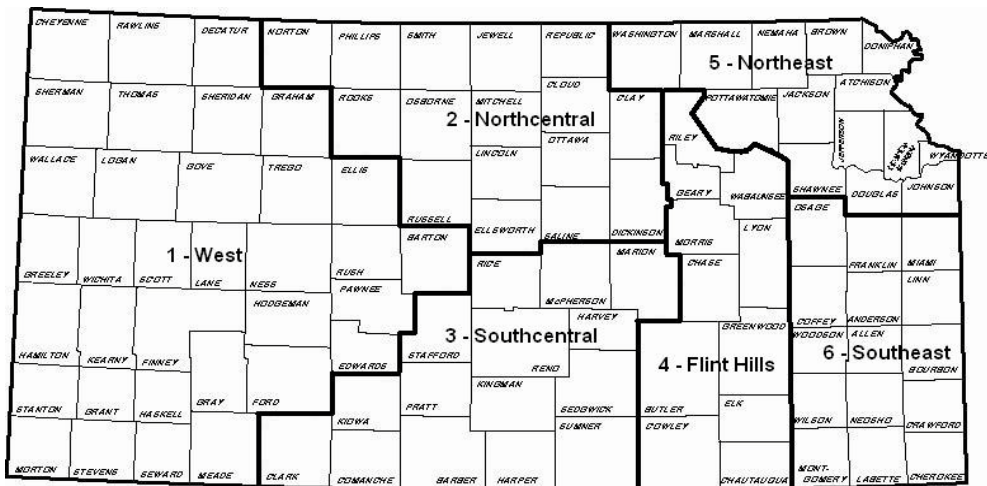
^b County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 9a. **All** hunter activity for **BOBWHITE**, 2009-2010 season ^a.

Region	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	2,141	72,900	346,000	485,000	4.75	6.66	1.43
A1-NW	785	26,000	120,800	169,800	4.65	6.53	1.39
A2-NE	274	9,900	46,800	61,600	4.76	6.27	1.34
A3-SW	516	16,700	73,900	103,700	4.41	6.19	1.47
A4-SC	360	13,200	67,700	91,600	5.15	6.97	1.38
A5-SE	163	5,900	32,100	51,000	5.50	8.77	1.72
A0-NS ^b	43	1,300	4,300	7,300	3.21	5.39	1.94
M1-W	564	18,500	80,900	104,200	4.37	5.62	1.31
M2-NC	638	21,400	97,500	136,800	4.57	6.42	1.41
M3-SC	454	15,800	85,200	117,500	5.40	7.44	1.45
M4-FH	147	5,300	23,500	41,300	4.45	7.84	1.75
M5-NE	165	6,000	25,300	35,700	4.24	6.02	1.35
M6-SE	130	4,700	29,100	42,600	6.21	9.09	1.64

^a The sum of regional values may not precisely equal state total due to computation method.

^b County hunted not specified. Non-specified management region equals non-specified administrative region.



Kansas **QUAIL** management / survey regions.

Table 9b. **Resident** hunter activity for **BOBWHITE**, 2009-2010 season ^a.

Region	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	1,364	52,900	259,000	340,000	4.91	6.44	1.32
A1-NW	443	17,200	78,800	107,500	4.59	6.26	1.30
A2-NE	213	8,300	39,300	43,400	4.76	5.26	1.15
A3-SW	267	10,300	49,400	64,100	4.77	6.20	1.30
A4-SC	296	11,500	61,700	81,400	5.38	7.10	1.33
A5-SE	126	4,900	27,600	39,400	5.66	8.06	1.59
A0-NS ^b	19	700	2,100	4,400	2.92	6.00	2.28
M1-W	307	11,900	53,400	66,900	4.49	5.62	1.21
M2-NC	376	14,600	65,900	86,400	4.52	5.93	1.31
M3-SC	314	12,200	70,800	91,100	5.82	7.49	1.30
M4-FH	114	4,400	20,400	33,700	4.61	7.63	1.60
M5-NE	131	5,100	21,100	24,800	4.16	4.88	1.18
M6-SE	103	4,000	25,300	33,000	6.33	8.27	1.52

^a The sum of regional values may not precisely equal state total due to computation method.

^b County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 9c. **Non-Resident** hunter activity for **BOBWHITE**, 2009-2010 season ^a.

Region	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	777	20,000	87,000	145,000	4.34	7.24	1.73
A1-NW	342	8,800	42,000	62,300	4.76	7.06	1.56
A2-NE	61	1,600	7,500	18,200	4.75	11.56	2.28
A3-SW	249	6,400	24,500	39,600	3.82	6.16	1.74
A4-SC	64	1,700	6,000	10,200	3.64	6.16	1.72
A5-SE	37	1,000	4,500	11,600	4.74	12.20	2.39
A0-NS ^b	24	600	2,200	2,900	3.56	4.69	1.56
M1-W	257	6,600	27,500	37,300	4.15	5.62	1.49
M2-NC	262	6,800	31,600	50,400	4.67	7.46	1.63
M3-SC	140	3,600	14,400	26,400	4.00	7.30	1.95
M4-FH	33	900	3,100	7,600	3.64	8.88	2.45
M5-NE	34	900	4,200	10,900	4.74	12.47	2.31
M6-SE	27	700	3,800	9,600	5.48	13.72	2.30

^a The sum of regional values may not precisely equal state total due to computation method.

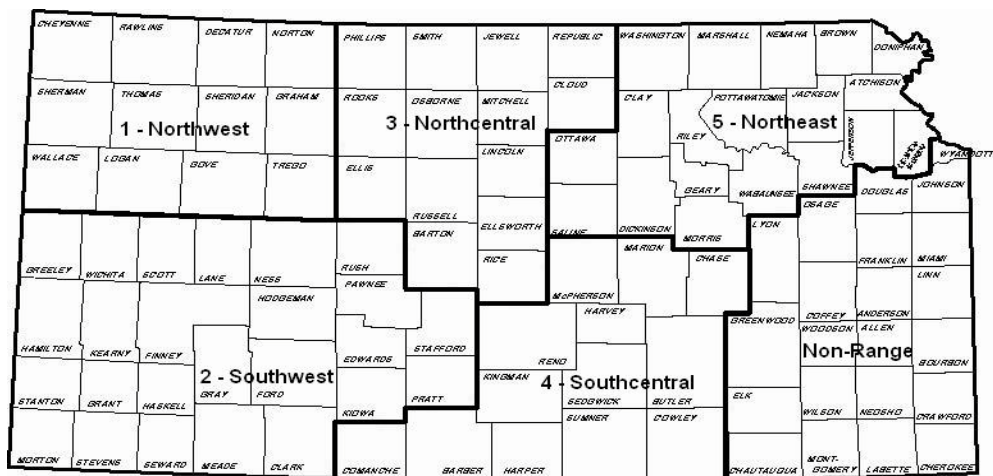
^b County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 10a. **All** hunter activity for **PHEASANTS**, 2009-2010 season ^a.

Region	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	3,372	112,400	548,000	746,000	4.87	6.62	1.39
A1-NW	1,457	47,900	235,000	347,300	4.92	7.26	1.42
A2-NE	250	8,900	39,100	31,800	4.38	3.56	0.82
A3-SW	1,148	37,700	187,700	287,300	4.97	7.61	1.67
A4-SC	382	13,800	65,800	53,500	4.77	3.88	0.84
A5-SE	32	1,100	3,300	4,300	3.05	4.13	1.68
A0-NS ^b	103	3,200	17,300	20,800	5.56	6.66	1.33
M1-NW	551	17,700	94,300	159,800	5.36	9.08	1.60
M2-SW	1,039	33,900	170,800	263,200	5.03	7.75	1.68
M3-NC	929	31,200	148,600	201,400	4.77	6.47	1.37
M4-SC	376	13,400	59,700	48,500	4.44	3.60	0.87
M5-NE	336	11,800	53,700	46,100	4.52	3.88	0.84
M6-SE	38	1,300	3,800	5,200	2.96	4.04	1.65

^a The sum of regional values may not precisely equal state total due to computation method.

^b County hunted not specified. Non-specified management region equals non-specified administrative region.



Kansas **PHEASANT** management / survey regions.

Table 10b. **Resident** hunter activity for **PHEASANTS**, 2009-2010 season ^a.

Region	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	1,967	76,200	397,000	504,000	5.20	6.61	1.29
A1-NW	791	30,700	156,900	224,700	5.12	7.33	1.37
A2-NE	192	7,400	32,200	24,500	4.33	3.29	0.76
A3-SW	627	24,300	136,400	196,300	5.61	8.08	1.61
A4-SC	304	11,800	59,000	45,800	5.01	3.89	0.79
A5-SE	18	700	2,100	2,100	2.94	3.06	1.62
A0-NS ^b	35	1,400	10,300	10,000	7.62	7.34	1.01
M1-NW	262	10,200	56,700	94,400	5.59	9.30	1.58
M2-SW	553	21,400	122,000	175,700	5.69	8.20	1.61
M3-NC	554	21,500	107,900	143,800	5.03	6.70	1.33
M4-SC	290	11,200	52,800	40,700	4.70	3.62	0.82
M5-NE	249	9,600	44,600	36,200	4.63	3.75	0.76
M6-SE	24	900	2,600	3,000	2.83	3.17	1.59

^a The sum of regional values may not precisely equal state total due to computation method.

^b County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 10c. **Non-Resident** hunter activity for **PHEASANTS**, 2009-2010 season ^a.

Region	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	1,405	36,200	151,000	242,000	4.17	6.66	1.58
A1-NW	666	17,200	78,100	122,600	4.55	7.13	1.52
A2-NE	58	1,500	6,900	7,300	4.60	4.86	1.12
A3-SW	521	13,400	51,300	91,000	3.81	6.77	1.77
A4-SC	78	2,000	6,800	7,700	3.36	3.82	1.14
A5-SE	14	400	1,200	2,200	3.25	6.00	1.79
A0-NS ^b	68	1,800	7,000	10,800	3.96	6.13	1.58
M1-NW	289	7,500	37,600	65,400	5.04	8.77	1.63
M2-SW	486	12,500	48,800	87,500	3.89	6.98	1.79
M3-NC	375	9,700	40,700	57,600	4.21	5.96	1.46
M4-SC	86	2,200	6,900	7,800	3.12	3.49	1.13
M5-NE	87	2,200	9,100	9,900	4.03	4.43	1.15
M6-SE	14	400	1,200	2,200	3.25	6.00	1.79

^a The sum of regional values may not precisely equal state total due to computation method.

^b County hunted not specified. Non-specified management region equals non-specified administrative region.

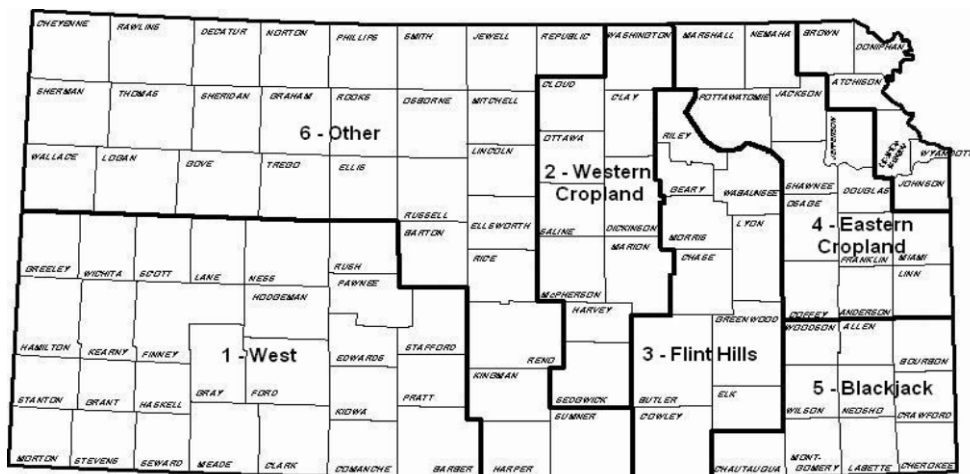
Table 11a. **All** hunter activity for **GREATER PRAIRIE CHICKENS**, 2009-2010 **REGULAR** season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	134	4,400	16,300	4,300	3.71	0.97	0.35
A1-NW	83	2,570	11,560	2,640	4.50	1.03	0.33
A2-NE	16	540	1,460	600	2.68	1.12	0.40
A3-SW	1	40	40	0	1.00	0.00	0.00
A4-SC	22	820	1,970	810	2.39	0.99	0.49
A5-SE	9	320	930	190	2.89	0.60	0.12
A0-NS ^c	3	90	330	0	3.72	0.00	0.00
M1-W	-	-	-	-	-	-	-
M2-WC	22	750	2,460	1,110	3.29	1.48	0.47
M3-FH	23	850	1,950	700	2.29	0.82	0.44
M4-EC	7	260	790	190	3.03	0.74	0.19
M5-BJ	2	70	180	0	2.71	0.00	0.00
M6-OT	77	2,370	10,580	2,260	4.46	0.95	0.31

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management Region 1 and Administrative Region 3 constitute lesser prairie chicken range.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.



Kansas **PRAIRIE-CHICKEN** management / survey regions.

Table 11b. **Resident** hunter activity for **GREATER PRAIRIE CHICKENS**, 2009-2010 **REGULAR** season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	72	2,790	9,340	3,260	3.35	1.17	0.40
A1-NW	33	1,280	5,580	1,740	4.36	1.36	0.38
A2-NE	10	390	890	500	2.30	1.30	0.45
A3-SW	1	40	40	0	1.00	0.00	0.00
A4-SC	20	770	1,820	810	2.35	1.05	0.53
A5-SE	7	270	850	190	3.14	0.71	0.14
A0-NS ^c	1	40	150	0	4.00	0.00	0.00
M1-W	-	-	-	-	-	-	-
M2-WC	14	540	1,820	1,010	3.36	1.86	0.54
M3-FH	20	770	1,670	620	2.15	0.80	0.44
M4-EC	6	230	740	190	3.17	0.83	0.22
M5-BJ	1	40	150	0	4.00	0.00	0.00
M6-OT	30	1,160	4,800	1,430	4.13	1.23	0.36

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management Region 1 and Administrative Region 3 constitute lesser prairie chicken range.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 11c. **Non-Resident** hunter activity for **GREATER PRAIRIE CHICKENS**, 2009-2010 **REGULAR** season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	62	1,600	6,960	1,010	4.35	0.63	0.26
A1-NW	50	1,290	5,980	900	4.64	0.70	0.29
A2-NE	6	150	570	100	3.67	0.67	0.28
A3-SW	0	-	-	-	-	-	-
A4-SC	2	50	150	0	3.00	0.00	0.00
A5-SE	2	50	80	0	1.50	0.00	0.00
A0-NS ^c	2	50	180	0	3.50	0.00	0.00
M1-W	-	-	-	-	-	-	-
M2-WC	8	210	640	100	3.13	0.50	0.28
M3-FH	3	80	280	80	3.67	1.00	0.50
M4-EC	1	30	50	0	2.00	0.00	0.00
M5-BJ	1	30	30	0	1.00	0.00	0.00
M6-OT	47	1,210	5,780	830	4.77	0.68	0.26

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management Region 1 and Administrative Region 3 constitute lesser prairie chicken range.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 12a. **All** hunter activity for **GREATER PRAIRIE CHICKENS**, 2009 **EARLY** season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	26	980	2,500	1,700	2.57	1.70	0.62
A1-NW	11	420	860	770	2.09	1.86	0.72
A2-NE	7	270	890	580	3.29	2.14	0.84
A3-SW	0	-	-	-	-	-	-
A4-SC	5	180	370	40	2.13	0.21	0.21
A5-SE	2	80	120	0	1.50	0.00	0.00
A0-NS ^c	1	40	270	270	7.00	7.00	1.00
M1-W	-	-	-	-	-	-	-
M2-WC	7	260	530	350	2.08	1.33	0.66
M3-FH	8	310	890	310	2.88	1.00	0.36
M4-EC	2	80	150	80	2.00	1.00	1.00
M5-BJ	1	40	80	0	2.00	0.00	0.00
M6-OT	7	260	590	680	2.29	2.59	0.77

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management Region 1 and Administrative Region 3 constitute lesser prairie chicken range.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 12b. **Resident** hunter activity for **GREATER PRAIRIE CHICKENS**, 2009 **EARLY** season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	24	930	2,360	1,670	2.54	1.79	0.65

Table 12c. **Non-Resident** hunter activity for **GREATER PRAIRIE CHICKENS**, 2009 **EARLY** season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	2	50	150	0	3.00	0.00	0.00

Table 13a. **All** hunter activity for **LESSER PRAIRIE CHICKENS**, 2009 season.

Region ^a	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	24	770	4,530	910	5.95	1.19	0.30

^a Statewide values equal those of Administrative Region 3 and Management Region 1.

Table 13b. **Resident** hunter activity for **LESSER PRAIRIE CHICKENS**, 2009 season.

Region ^a	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	11	430	2,440	700	5.73	1.64	0.45

^a Statewide values equal those of Administrative Region 3 and Management Region 1.

Table 13c. **Non-Resident** hunter activity for **LESSER PRAIRIE CHICKENS**, 2009 season.

Region ^a	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	13	340	2,090	210	6.23	0.62	0.11

^a Statewide values equal those of Administrative Region 3 and Management Region 1.

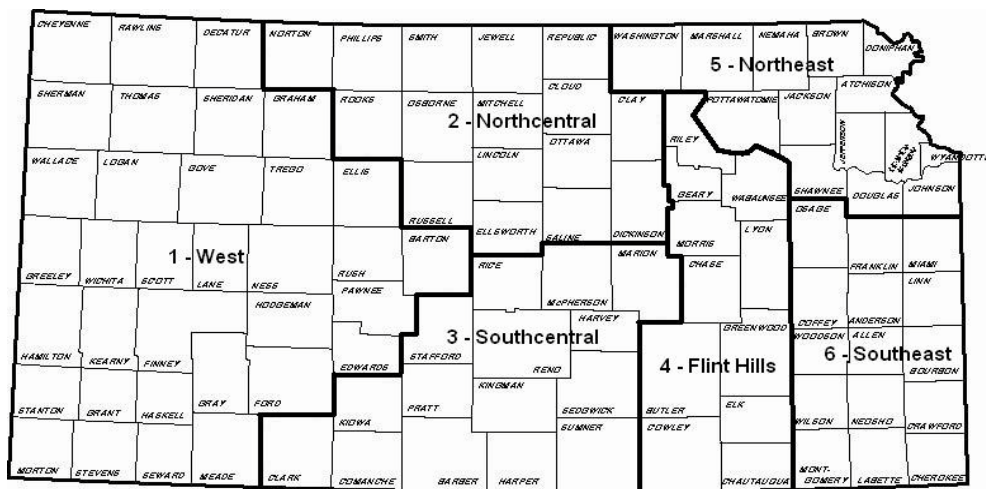
Table 14a. **All** hunter activity for **COTTONTAILS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	576	21,000	117,000	126,000	5.57	6.01	1.52
A1-NW	118	4,000	19,600	28,600	4.87	7.11	1.78
A2-NE	113	4,300	26,500	18,000	6.20	4.23	1.14
A3-SW	90	3,100	21,300	20,100	6.82	6.45	1.53
A4-SC	105	4,000	23,000	19,800	5.83	4.99	1.20
A5-SE	140	5,300	24,600	37,500	4.66	7.10	1.88
A0-NS ^c	10	400	2,000	2,200	5.62	6.20	1.17
M1-W	122	4,200	27,100	28,200	6.46	6.76	1.57
M2-NC	79	2,700	13,200	19,400	4.85	7.17	1.86
M3-SC	87	3,200	14,800	13,200	4.59	4.12	1.09
M4-FH	70	2,700	20,600	16,900	7.76	6.33	1.54
M5-NE	78	2,900	16,800	13,400	5.70	4.54	1.16
M6-SE	130	4,900	22,700	32,800	4.61	6.66	1.80

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management regions are the same as for bobwhite.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.



Kansas **COTTONTAIL** management / survey regions.

Table 14b. **Resident** hunter activity for **COTTONTAILS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	474	18,400	106,000	110,000	5.78	6.01	1.52
A1-NW	76	2,940	15,200	23,900	5.17	8.13	1.93
A2-NE	104	4,030	24,700	16,700	6.13	4.14	1.15
A3-SW	61	2,360	18,500	14,200	7.82	6.00	1.49
A4-SC	96	3,720	22,200	19,300	5.97	5.18	1.23
A5-SE	129	5,000	23,700	34,200	4.74	6.84	1.81
A0-NS ^c	8	310	1,900	2,100	6.13	6.88	1.20
M1-W	80	3,100	22,400	20,700	7.21	6.69	1.57
M2-NC	52	2,010	10,700	16,500	5.29	8.21	2.01
M3-SC	75	2,910	13,800	12,600	4.73	4.33	1.14
M4-FH	66	2,560	19,600	16,100	7.67	6.29	1.54
M5-NE	72	2,790	16,000	12,400	5.75	4.44	1.17
M6-SE	121	4,690	22,000	29,900	4.69	6.37	1.71

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management regions are the same as for bobwhite.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 14c. **Non-Resident** hunter activity for **COTTONTAILS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	102	2,600	11,000	16,000	4.10	6.01	1.55
A1-NW	42	1,080	4,390	4,690	4.05	4.33	1.40
A2-NE	9	230	1,750	1,340	7.56	5.78	0.83
A3-SW	29	750	2,760	5,880	3.69	7.86	1.67
A4-SC	9	230	830	460	3.56	2.00	0.69
A5-SE	11	280	930	3,330	3.27	11.73	3.24
A0-NS ^c	2	50	130	100	2.50	2.00	1.00
M1-W	42	1,080	4,670	7,530	4.31	6.95	1.57
M2-NC	27	700	2,500	2,910	3.59	4.19	1.43
M3-SC	12	310	1,010	640	3.25	2.08	0.66
M4-FH	4	100	1,030	750	10.00	7.25	1.58
M5-NE	6	150	750	980	4.83	6.33	0.97
M6-SE	9	230	700	2,890	3.00	12.44	3.51

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management regions are the same as for bobwhite.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.

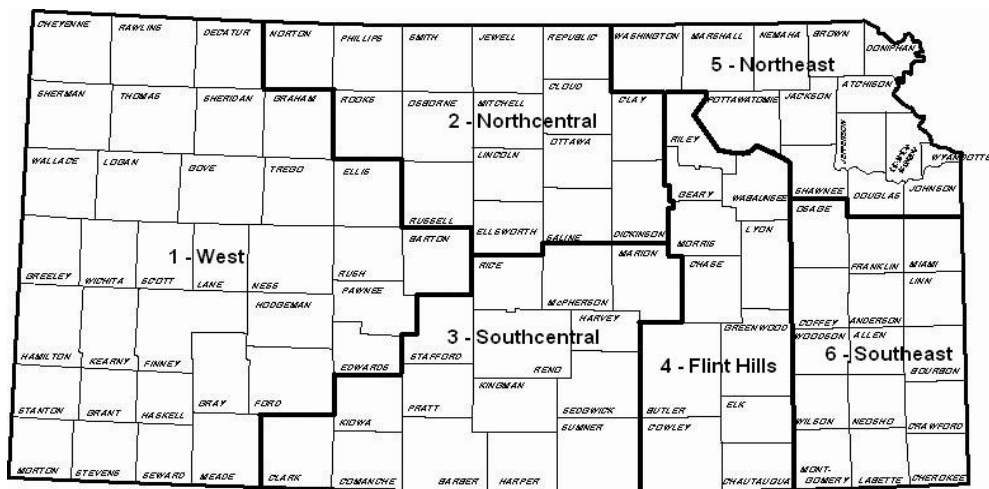
Table 15a. **All** hunter activity for **JACKRABBITS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	105	3,680	30,000	42,100	8.28	11.64	1.72
A1-NW	28	960	8,100	5,600	8.52	5.89	0.78
A2-NE	3	110	110	150	1.00	1.45	1.45
A3-SW	66	2,280	19,200	34,000	8.43	14.86	2.20
A4-SC	1	40	120	0	3.00	0.00	0.00
A5-SE	1	40	80	80	2.00	2.00	1.00
A0-NS ^c	6	200	2,530	2,220	12.25	10.75	1.07
M1-W	81	2,810	23,900	36,200	8.50	12.88	1.93
M2-NC	9	310	3,090	2,620	9.90	8.38	0.53
M3-SC	5	160	510	750	3.33	4.83	1.13
M4-FH	0	-	-	-	-	-	-
M5-NE	2	70	70	80	1.00	1.14	1.14
M6-SE	2	80	120	150	1.50	2.00	1.50

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management regions are the same as for bobwhite.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.



Kansas **JACKRABBIT** management / survey regions.

Table 15b. **Resident** hunter activity for **JACKRABBITS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	71	2,800	26,600	36,800	9.66	13.39	1.91
A1-NW	18	700	7,200	5,100	10.39	7.33	0.86
A2-NE	2	80	80	150	1.00	2.00	2.00
A3-SW	45	1,740	17,000	29,300	9.76	16.80	2.42
A4-SC	1	40	120	0	3.00	0.00	0.00
A5-SE	1	40	80	80	2.00	2.00	1.00
A0-NS ^c	4	150	2,220	2,220	14.33	14.33	1.43
M1-W	56	2,170	21,400	31,500	9.86	14.52	2.09
M2-NC	6	230	2,750	2,520	11.83	10.83	0.63
M3-SC	2	80	230	390	3.00	5.00	1.65
M4-FH	0	-	-	-	-	-	-
M5-NE	1	40	40	80	1.00	2.00	2.00
M6-SE	2	80	120	150	1.50	2.00	1.50

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management regions are the same as for bobwhite.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 15c. **Non-Resident** hunter activity for **JACKRABBITS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	34	880	3,430	5,340	3.91	6.09	1.12
A1-NW	10	260	900	520	3.50	2.00	0.58
A2-NE	1	30	30	0	1.00	0.00	0.00
A3-SW	21	540	2,240	4,670	4.14	8.62	1.49
A4-SC	0	-	-	-	-	-	-
A5-SE	0	-	-	-	-	-	-
A0-NS ^c	2	50	310	0	6.00	0.00	0.00
M1-W	25	640	2,530	4,720	3.92	7.32	1.38
M2-NC	3	80	340	100	4.33	1.33	0.23
M3-SC	3	80	280	360	3.67	4.67	0.60
M4-FH	0	-	-	-	-	-	-
M5-NE	1	30	30	0	1.00	0.00	0.00
M6-SE	0	-	-	-	-	-	-

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management regions are the same as for bobwhite.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.

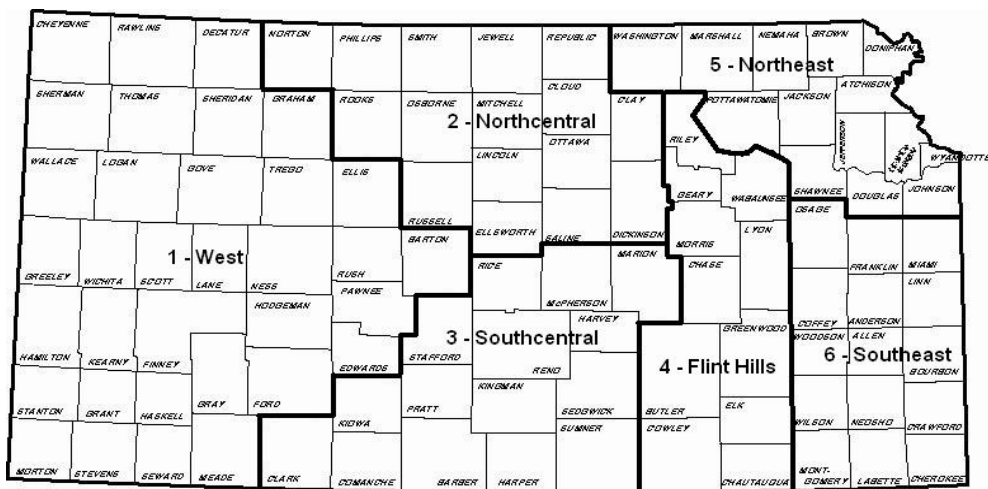
Table 16a. **All** hunter activity for **SQUIRRELS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	376	14,300	86,000	100,000	5.99	7.00	1.31
A1-NW	29	1,060	3,600	3,700	3.41	3.46	1.03
A2-NE	151	5,770	40,100	49,300	6.95	8.55	1.45
A3-SW	9	320	1,300	1,600	4.09	4.81	0.95
A4-SC	64	2,420	11,700	9,200	4.82	3.81	0.88
A5-SE	120	4,550	28,000	35,100	6.17	7.72	1.43
A0-NS ^c	3	110	300	900	3.18	7.82	2.36
M1-W	11	400	900	1,000	2.24	2.58	1.16
M2-NC	27	1,010	5,000	4,900	4.92	4.80	0.88
M3-SC	40	1,490	7,800	6,100	5.18	4.12	0.91
M4-FH	62	2,340	12,000	12,100	5.10	5.19	1.00
M5-NE	113	4,320	31,600	37,800	7.29	8.72	1.44
M6-SE	120	4,560	27,700	37,000	6.08	8.11	1.57

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management regions are the same as for bobwhite.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.



Kansas **SQUIRREL** management / survey regions.

Table 16b. **Resident** hunter activity for **SQUIRRELS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	350	13,600	84,000	97,000	6.16	7.15	1.30
A1-NW	24	930	3,200	3,500	3.42	3.75	1.10
A2-NE	145	5,620	39,600	47,900	7.04	8.52	1.43
A3-SW	7	270	1,200	1,400	4.57	5.14	0.66
A4-SC	60	2,320	11,500	9,100	4.97	3.92	0.89
A5-SE	112	4,340	27,600	34,400	6.37	7.92	1.43
A0-NS ^c	2	80	300	800	4.00	10.00	2.50
M1-W	9	350	600	900	1.78	2.67	1.26
M2-NC	24	930	4,800	4,800	5.17	5.13	0.91
M3-SC	36	1,390	7,600	5,900	5.44	4.25	0.84
M4-FH	57	2,210	11,700	11,500	5.28	5.23	0.95
M5-NE	109	4,220	31,200	36,800	7.38	8.71	1.43
M6-SE	113	4,380	27,300	36,300	6.24	8.29	1.57

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management regions are the same as for bobwhite.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 16c. **Non-Resident** hunter activity for **SQUIRRELS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	26	670	1,700	2,700	2.50	4.00	1.50

Table 17. Mean number of Upland Game hunting days and the proportion that occurred on Public Land.

Year	Sample ^a Active Hunters	Mean No. Upland Days	Mean No. Public Upland Days	Percent on Public Land
1980	3,269	9.58	1.75	18.22
1981	3,058	11.13	1.74	15.63
1982	3,047	11.44	1.71	14.95
1983	2,735	10.16	1.69	16.64
1984	2,429	8.87	1.34	15.07
1985	2,386	9.79	1.52	15.49
1986	2,333	10.96	1.49	13.58
1987	2,937	10.16	1.38	13.55
1988	2,518	10.31	1.50	14.60
1989	2,240	10.58	1.44	13.63
1990	2,449	11.49	1.59	13.85
1991	2,401	10.94	1.41	12.93
1992	2,200	9.89	1.43	14.43
1993	1,945	9.58	1.24	12.99
1994	1,983	10.71	1.29	12.04
1995	2,007	9.04	1.34 ^b	14.83 ^b
1996	1,971	9.24	1.58	17.10
1997	2,615	9.62	1.61	16.77
1998	3,292	9.49	1.51	15.91
1999	3,430	9.46	1.99	21.04
2000	2,891	9.23	2.29	24.81
2001	2,449	7.46	1.76	23.59
2002	1,823	8.48	2.21	26.06
2003	2,230	8.23	1.84	22.36
2004	2,116	8.15	1.97	24.17
2005	1,743	7.21	1.94	26.92
2006 ^c	2,383	7.49	1.73	23.10
2007	3,322	8.23	1.85	22.53
2008	2,930	6.77	1.49	22.00
2009	4,509	6.93	1.52	21.92

^a Hunters reporting some small game activity. Values from 1980-2005 are for Resident hunters only.

^b From the 1995 start of the statewide Walk-In-Hunting Area (WIHA) program, the question indicated hunters should not include WIHA as public land. However, inclusion of WIHA does occur to an unknown degree.

^c Electronic licensing permitted random sampling of Non-Residents for the 1st time. Values after 2005 are weighted means of both Resident and Non-Resident hunters.

Table 18a. **AGE** of **RESIDENT** respondents to 2009 Small Game Harvest Survey ^a.

Age ^b	Number	Percent of Total	Age ^b	Number	Percent of Total
17	46	1.25	42	72	1.96
18	45	1.23	43	94	2.56
19	36	0.98	44	86	2.34
20	38	1.04	45	93	2.53
21	33	0.90	46	96	2.62
22	34	0.93	47	98	2.67
23	40	1.09	48	107	2.91
24	37	1.01	49	122	3.32
25	52	1.42	50	121	3.30
26	49	1.33	51	113	3.08
27	57	1.55	52	118	3.21
28	64	1.74	53	122	3.32
29	71	1.93	54	118	3.21
30	47	1.28	55	117	3.19
31	65	1.77	56	116	3.16
32	57	1.55	57	92	2.51
33	55	1.50	58	86	2.34
34	56	1.53	59	101	2.75
35	63	1.72	60	75	2.04
36	41	1.12	61	91	2.48
37	53	1.44	62	100	2.72
38	58	1.58	63	90	2.45
39	57	1.55	64	80	2.18
40	79	2.15	65	61	1.66
41	69	1.88			

^a Only 75.2% of the resident survey respondents actively hunted small game in the 2009-2010 seasons.

^b Hunters under 16 or over 64 are not required to purchase hunting licenses, so are generally not sampled.

Table 18b. **AGE** of **NON-RESIDENT** respondents to 2009 Small Game Harvest Survey ^a.

Age ^b	Number	Percent of Total	Age ^b	Number	Percent of Total
10	0	0.00	50	66	2.59
11	3	0.12	51	71	2.79
12	4	0.16	52	73	2.87
13	12	0.47	53	78	3.06
14	9	0.35	54	58	2.28
15	15	0.59	55	64	2.51
16	15	0.59	56	57	2.24
17	8	0.31	57	66	2.59
18	9	0.35	58	67	2.63
19	8	0.31	59	88	3.46
20	5	0.20	60	56	2.20
21	6	0.24	61	67	2.63
22	8	0.31	62	85	3.34
23	5	0.20	63	83	3.26
24	12	0.47	64	62	2.44
25	16	0.63	65	62	2.44
26	18	0.71	66	53	2.08
27	11	0.43	67	58	2.28
28	19	0.75	68	49	1.93
29	22	0.86	69	32	1.26
30	28	1.10	70	22	0.86
31	26	1.02	71	35	1.38
32	23	0.90	72	20	0.79
33	26	1.02	73	16	0.63
34	31	1.22	74	15	0.59
35	29	1.14	75	15	0.59
36	35	1.38	76	14	0.55
37	39	1.53	77	8	0.31
38	48	1.89	78	7	0.28
39	47	1.85	79	6	0.24
40	49	1.93	80	3	0.12
41	49	1.93	81	0	0.00
42	47	1.85	82	0	0.00
43	56	2.20	83	3	0.12
44	50	1.96	84	0	0.00
45	55	2.16	85	1	0.04
46	56	2.20	86	0	0.00
47	47	1.85	87	1	0.04
48	70	2.75	88	0	0.00
49	66	2.59	89	1	0.04
			90	1	0.04

^a Only 63.6% of the non-resident survey respondents actively hunted small game in the 2009-2010 seasons.

Table 19. COUNTY OF RESIDENCE of RESIDENT respondents to 2009 Small Game Harvest Survey ^a.

County	Number	Percent of Total	County	Number	Percent of Total
AL	27	0.74	LN	19	0.52
AN	17	0.46	LG	5	0.14
AT	24	0.66	LY	60	1.64
BA	9	0.25	MP	61	1.67
BT	63	1.72	MN	31	0.85
BB	16	0.44	MS	30	0.82
BR	17	0.46	ME	8	0.22
BU	118	3.23	MI	50	1.37
CS	5	0.14	MC	25	0.68
CQ	7	0.19	MG	45	1.23
CK	32	0.87	MR	13	0.36
CN	9	0.25	MT	6	0.16
CA	4	0.11	NM	29	0.79
CY	17	0.46	NO	36	0.98
CD	31	0.85	NS	7	0.19
CF	23	0.63	NT	11	0.30
CM	5	0.14	OS	41	1.12
CL	52	1.42	OB	12	0.33
CR	46	1.26	OT	19	0.52
DC	11	0.30	PN	16	0.44
DK	43	1.18	PL	22	0.60
DP	14	0.38	PT	48	1.31
DG	79	2.16	PR	28	0.77
ED	8	0.22	RA	14	0.38
EK	10	0.27	RN	95	2.60
EL	59	1.61	RP	16	0.44
EW	24	0.66	RC	19	0.52
FI	45	1.23	RL	71	1.94
FO	50	1.37	RO	26	0.71
FR	36	0.98	RH	15	0.41
GE	33	0.90	RS	24	0.66
GO	17	0.46	SA	100	2.73
GH	13	0.36	SC	16	0.44
GT	23	0.63	SG	431	11.78
GY	22	0.60	SW	19	0.52
GL	4	0.11	SN	171	4.67
GW	23	0.63	SD	9	0.25
HM	6	0.16	SH	15	0.41
HP	12	0.33	SM	10	0.27
HV	44	1.20	SF	12	0.33
HS	8	0.22	ST	4	0.11
HG	7	0.19	SV	11	0.30
JA	29	0.79	SU	39	1.07
JF	33	0.90	TH	18	0.49
JW	9	0.25	TR	9	0.25
JO	403	11.02	WB	24	0.66
KE	2	0.05	WA	5	0.14
KM	20	0.55	WS	15	0.41
KW	5	0.14	WH	10	0.27
LB	33	0.90	WL	23	0.63
LE	7	0.19	WO	7	0.19
LV	80	2.19	WY	63	1.72
LC	11	0.30			

^a Only 75.2% of the resident survey respondents actively hunted small game in the 2009-2010 seasons.

RELATIVE RESIDENT AND NON-RESIDENT SMALL GAME HUNTING INTERESTS

2009

Implementation of the Kansas Outdoor Licensing System (KOWLS) has made it possible to make direct comparisons of Kansas Resident (R) and Non-Resident (NR) hunting activity since a randomly-selected, same-year sample can now be obtained for NR hunters. Similar comparisons of residents and non-residents were made in the past using non-random samples from NR hunters and, generally, the new random-sampling method corroborates the hunting patterns of non-residents as previously estimated.

This survey, as those of previous years, indicates that ring-necked pheasants remain the species most pursued by both R and NR small-game hunters in Kansas, with a greater proportion (84%) of NR small game hunters pursuing pheasants than R small game hunters (69%). The presence of substantial pheasant populations also influences where NR hunters pursue other species such as bobwhite. About 67% of NR Bobwhite hunters hunt the species in the W (M1) and NC (M2) regions (combined) as compared to 51% for R bobwhite hunters. Pheasant population levels exert a disproportionate influence on the number of NR hunters who come to Kansas each fall. In the past, a one-year lag effect has been evident in that NR hunters have been more closely correlated with pheasant populations of the previous year rather than those of the current year. That is, improved hunting resultant from good pheasant production in one year produced an increase in NR hunters the following year, and the reverse. The growth and popularity of the WIHA program has played a significant role in increases in NR hunters and may have partially masked this lag effect in recent years.

Resident and NR small game hunters show similar preferences for hunting bobwhite, greater prairie-chickens, and jackrabbits. However, NR hunters exhibit much lower tendencies to hunt doves, cottontails, and squirrels than R small game hunters. Although hunting participation for lesser prairie chickens is quite low (1% or less) for both R and NR hunters, there appears to be greater interest on the part of NR hunters in pursuing this species. This may reflect the fact that Kansas is currently the only state where lesser prairie-chickens may be legally taken. Some of these NR hunters may also pursue this species as part of a North American grouse grand slam.

Hunting participation also reflects changes in small game populations over time. The clearest examples of this are the changes, both over time and regionally, in the numbers and proportions of small game hunters who have pursued bobwhite. The proportion of resident small game hunters who hunt bobwhite has typically diminished in years following population crashes and increased around population highs. Since the bobwhite crash that occurred in the winter of 2000–2001, not only have overall numbers of quail hunters declined, but the proportion of small-game hunters who pursued quail has also remained low. Regionally, the northeast (M5) and southeast (M6) quail management regions only accounted for 18% of Kansas' resident bobwhite hunters in 2009, compared to values of 40–42% in the early 1980's. These same eastern regions only account for 7% of the bobwhite hunting done by non-residents. Quail habitat deterioration and changes in societal interests probably account for these declines.

Table 20a. Regional breakdown of **RESIDENT** hunting activity as indicated by sample sizes for the 2009-2010 season. State values in () indicate percent of the 2,844 active **Resident** respondents. Regional values in () indicate percent of the state total for the species.

Sample Size by Species								
Region ^a	Doves	Bobwhite	Pheasants	Greater Prairie Chickens (Regular)	Lesser Prairie Chickens	Cottontails	Jackrabbits	Squirrels
State	1,053 (37)	1,364 (48)	1,967 (69)	72 (3)	11 (<1)	474 (17)	71 (2)	350 (12)
A1-NW	250 (24)	443 (32)	791 (40)	33 (46)		76 (16)	18 (25)	24 (7)
A2-NE	200 (19)	213 (16)	192 (10)	10 (14)		104 (22)	2 (3)	145 (41)
A3-SW	189 (18)	267 (20)	627 (32)	1 (1)	11 (100)	61 (13)	45 (63)	7 (2)
A4-SC	247 (23)	296 (22)	304 (15)	20 (28)		96 (20)	1 (1)	60 (17)
A5-SE	155 (15)	126 (9)	18 (<1)	7 (10)		129 (27)	1 (1)	112 (32)
A0-NS ^b	12 (1)	19 (1)	35 (2)	1 (1)		8 (2)	4 (6)	2 (<1)
M1	131 (12)	307 (23)	262 (13)		11 (100)	80 (17)	56 (79)	9 (3)
M2	169 (16)	376 (28)	553 (28)	14 (19)		52 (11)	6 (8)	24 (7)
M3	189 (18)	314 (23)	554 (28)	20 (28)		75 (16)	2 (3)	36 (10)
M4	268 (25)	114 (8)	290 (15)	6 (8)		66 (14)		57 (16)
M5	145 (14)	131 (10)	249 (13)	1 (1)		72 (15)	1 (1)	109 (31)
M6	139 (13)	103 (8)	24 (1)	30 (42)		121 (26)	2 (3)	113 (32)

^a Management regions differ between species.

^b County hunted not specified. Non-specified management region equals non-specified administrative region.

Table 20b. Regional breakdown of **NON-RESIDENT** hunting activity as indicated by sample sizes for the 2009-2010 season. State values in () indicate percent of the 1,665 active **NR** respondents. Regional values in () indicate percent of the state total for the species.

Sample Size by Species								
Region ^a	Doves	Bobwhite	Pheasants	Greater Prairie Chickens (Regular)	Lesser Prairie Chickens	Cottontails	Jackrabbits	Squirrels
State	132 (8)	777 (47)	1,405 (84)	62 (4)	13 (<1)	102 (6)	34 (2)	26 (2)
A1-NW	58 (44)	342 (44)	666 (47)	50 (81)		42 (41)	10 (29)	5 (19)
A2-NE	11 (8)	61 (8)	58 (4)	6 (10)		9 (9)	1 (3)	6 (23)
A3-SW	32 (24)	249 (32)	521 (37)		13 (<1)	29 (28)	21 (62)	2 (8)
A4-SC	11 (8)	64 (8)	78 (6)	2 (3)		9 (9)		4 (15)
A5-SE	13 (10)	37 (5)	14 (1)	2 (3)		11 (11)		8 (31)
A0-NS ^b	7 (5)	24 (3)	68 (5)	2 (3)		2 (2)	2 (6)	1 (4)
M1	33 (25)	257 (33)	289 (21)		13 (<1)	42 (41)	25 (74)	3 (12)
M2	31 (23)	262 (34)	486 (36)	8 (13)		27 (26)	3 (9)	1 (7)
M3	27 (20)	140 (18)	375 (27)	3 (5)		12 (12)	3 (9)	4 (15)
M4	14 (11)	33 (4)	86 (6)	1 (2)		4 (4)		5 (19)
M5	9 (7)	34 (4)	87 (6)	1 (2)		6 (6)	1 (3)	4 (15)
M6	11 (8)	27 (3)	14 (1)	47 (76)		9 (9)		7 (27)

^a Management regions differ between species.

^b County hunted not specified. Non-specified management region equals non-specified administrative region.

2009-2010 Prairie Dog Hunting Estimates

Table PDa. *All* hunter activity for **PRAIRIE DOGS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	280	9,900	46,000	254,000	4.60	25.69	8.75
A1-NW	99	3,500	11,700	85,600	3.37	24.73	10.12
A2-NE	4	150	300	1,300	1.47	9.33	5.60
A3-SW	157	5,600	30,200	149,500	5.38	26.67	8.17
A4-SC	11	390	400	1,800	1.24	4.65	3.94
A5-SE	0	0	0	0			
A0-NS ^c	9	290	3,000	18,400	10.12	61.87	15.63
M1-NW	110	3,900	20,000	114,000	5.10	29.14	10.59
M2-SW	126	4,400	20,200	107,600	4.52	24.10	7.69
M3-NC	23	800	1,800	13,300	2.24	16.55	6.31
M4-SC	10	350	400	1,700	1.26	5.05	4.26
M5-NE	2	70	200	1,000	2.00	16.00	8.00
M6-SE	0	0	0	0			

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management regions are the same as for mourning doves.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.

Table PDb. **Resident** hunter activity for **PRAIRIE DOGS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	206	8,000	39,000	201,000	4.83	25.18	7.98
A1-NW	70	2,700	9,100	68,000	3.34	25.06	10.29
A2-NE	3	120	200	700	1.33	5.67	4.00
A3-SW	120	4,600	26,200	117,800	5.63	25.33	6.72
A4-SC	8	310	300	1,300	1.13	4.13	3.81
A5-SE	0						
A0-NS ^c	5	190	2,800	13,400	14.40	69.00	14.06
M1-NW	83	3,200	17,200	94,300	5.34	29.32	10.44
M2-SW	94	3,600	16,700	82,000	4.57	22.51	6.29
M3-NC	16	620	1,500	10,200	2.44	16.38	5.34
M4-SC	7	270	300	1,200	1.14	4.57	4.21
M5-NE	1	40	100	400	2.00	10.00	5.00
M6-SE	0						

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management regions are the same as for mourning doves.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.

Table PDc. **Non-Resident** hunter activity for **PRAIRIE DOGS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	74	1,910	7,000	53,000	3.68	27.80	11.97
A1-NW	29	750	2,600	17,600	3.48	23.55	9.51
A2-NE	1	30	100	600	2.00	24.00	12.00
A3-SW	37	950	4,000	31,700	4.19	33.17	15.19
A4-SC	3	80	100	500	1.67	6.67	4.43
A5-SE	0	0	0	0			
A0-NS ^c	4	100	200	5,000	2.00	48.33	18.60
M1-NW	27	700	2,800	19,700	4.00	28.32	11.29
M2-SW	32	830	3,500	25,600	4.29	31.00	13.77
M3-NC	7	180	300	3,100	1.57	17.14	9.64
M4-SC	3	80	100	500	1.67	6.67	4.43
M5-NE	1	30	100	600	2.00	24.00	12.00
M6-SE	0	0	0	0			

^a The sum of regional values may not precisely equal state total due to computation method.

^b Management regions are the same as for mourning doves.

^c County hunted not specified. Non-specified management region equals non-specified administrative region.

2009-2010 Coyote Hunting Estimates All Hunters

Table CY1a. **Res & Non-Res** hunter activity for **COYOTES**, 2009-2010 season - **All Hunters** ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	919	33,500	310,200	107,700	9.25	3.21	0.45
A1-NW	187	6,700	57,400	16,600	8.58	2.46	0.45
A2-NE	235	8,700	71,000	25,200	8.14	2.90	0.38
A3-SW	145	5,200	52,400	27,000	9.97	5.12	0.65
A4-SC	151	5,600	39,000	13,600	6.98	2.42	0.38
A5-SE	194	7,000	89,300	25,100	12.66	3.55	0.45
A0-NS ^c	7	200	1,000	300	4.00	1.26	0.29

Table CY1b. **Resident** hunter activity for **COYOTES**, 2009-2010 season - **All Resident Hunters** ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	762	29,500	292,000	100,000	9.89	3.39	0.45
A1-NW	145	5,600	53,000	14,900	9.44	2.65	0.46
A2-NE	205	7,900	66,700	24,200	8.40	3.05	0.39
A3-SW	117	4,500	49,600	24,600	10.95	5.42	0.65
A4-SC	131	5,100	36,700	12,500	7.23	2.45	0.37
A5-SE	158	6,100	85,000	23,600	13.88	3.85	0.46
A0-NS ^c	6	200	900	200	4.00	1.00	0.22

Table CY1c. **Non-Resident** hunter activity for **COYOTES**, 2009-2010 season - **All Non-Resident Hunters** ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	157	4,000	18,200	7,700	4.50	1.89	0.43
A1-NW	42	1,080	4,440	1,650	4.10	1.52	0.40
A2-NE	30	770	4,260	1,030	5.50	1.33	0.24
A3-SW	28	720	2,790	2,370	3.86	3.29	0.67
A4-SC	20	520	2,320	1,060	4.50	2.05	0.47
A5-SE	36	930	4,310	1,470	4.64	1.58	0.42
A0-NS ^c	1	30	100	80	4.00	3.00	0.80

^a The sum of regional values may not precisely equal state total due to computation method.

^b No management regions exist.

^c County hunted not specified.

2009-2010 Coyote Hunting Estimates Hunters Who Did Not Purchase a Furharvesters License

Table CY2a. **Res & Non-Res** hunter activity for **COYOTES**, 2009-2010 season - **No Furharvester License** ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	777	28,100	230,200	77,600	8.18	2.76	0.42
A1-NW	153	5,400	32,200	11,600	5.95	2.12	0.40
A2-NE	201	7,400	56,400	19,400	7.59	2.61	0.38
A3-SW	130	4,700	44,400	18,700	9.43	3.98	0.59
A4-SC	126	4,600	31,900	9,600	6.88	2.06	0.35
A5-SE	160	5,700	64,300	18,100	11.22	3.16	0.44
A0-NS ^c	7	200	1,000	300	4.00	1.26	0.29

Table CY2b. **Resident** hunter activity for **COYOTES**, 2009-2010 season - **No Furharvester License** ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	628	24,300	213,500	72,100	8.77	2.96	0.43
A1-NW	114	4,400	28,000	10,600	6.35	2.39	0.44
A2-NE	173	6,700	52,500	18,600	7.82	2.78	0.40
A3-SW	104	4,000	42,400	17,400	10.51	4.33	0.58
A4-SC	107	4,100	29,700	8,600	7.15	2.07	0.34
A5-SE	124	4,800	60,000	16,600	12.49	3.46	0.44
A0-NS ^c	6	200	900	200	4.00	1.00	0.22

Table CY2c. **Non-Resident** hunter activity for **COYOTES**, 2009-2010 season - **No Furharvester License** ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	149	3,800	16,700	5,500	4.36	1.44	0.38
A1-NW	39	1,010	4,230	950	4.21	0.95	0.25
A2-NE	28	720	3,900	770	5.39	1.07	0.22
A3-SW	26	670	1,960	1,290	2.92	1.92	0.63
A4-SC	19	490	2,240	980	4.58	2.00	0.44
A5-SE	36	930	4,310	1,470	4.64	1.58	0.42
A0-NS ^c	1	30	100	80	4.00	3.00	0.80

^a The sum of regional values may not precisely equal state total due to computation method.

^b No management regions exist.

^c County hunted not specified.

2009-2010 Coyote Hunting Estimates Hunters Who Purchased a Furharvesters License

Table CY3a. **Res & Non-Res** hunter activity for **COYOTES**, 2009-2010 - **Purchased Furharvester License** ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	142	5,400	79,600	29,900	14.74	5.55	0.58
A1-NW	34	1,280	25,000	5,000	19.49	3.92	0.65
A2-NE	34	1,290	14,600	5,900	11.30	4.52	0.35
A3-SW	15	550	8,000	8,200	14.53	14.78	1.20
A4-SC	25	960	7,200	4,000	7.44	4.13	0.52
A5-SE	34	1,320	24,800	6,900	18.85	5.26	0.53
A0-NS ^c	0	0	0	0			

Table CY3b. **Resident** hunter activity for **COYOTES**, 2009-2010 season - **Purchased Furharvester License** ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	134	5,200	78,100	27,800	15.04	5.36	0.55
A1-NW	31	1,200	24,800	4,300	20.61	3.58	0.54
A2-NE	32	1,240	14,200	5,600	11.47	4.50	0.34
A3-SW	13	500	7,200	7,100	14.38	14.15	1.20
A4-SC	24	930	7,100	3,900	7.58	4.17	0.50
A5-SE	34	1,320	24,800	6,900	18.85	5.26	0.53
A0-NS ^c	0						

Table CY3c. **Non-Resident** hunter activity for **COYOTES**, 2009-2010 - **Purchased Furharvester License** ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	8	210	1,470	2,120	7.13	10.25	1.44
A1-NW	3	80	210	700	2.67	9.00	2.33
A2-NE	2	50	360	260	7.00	5.00	0.60
A3-SW	2	50	830	1,080	16.00	21.00	1.15
A4-SC	1	30	80	80	3.00	3.00	1.00
A5-SE	0	0	0	0			
A0-NS ^c	0	0	0	0			

^a The sum of regional values may not precisely equal state total due to computation method.

^b No management regions exist.

^c County hunted not specified.

2009-2010 Waterfowl Hunting Estimates

Special Teal Season

(Estimates generated with Federal HIP data take priority over these SGHS generated estimates)

Table TLa. **All** hunter activity for **TEAL**, 2009 special season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	190	7,100	20,000	43,000	2.80	6.01	1.98
A1-NW	18	670	2,200	5,900	3.35	8.70	2.58
A2-NE	26	1,000	2,500	4,300	2.55	4.29	1.58
A3-SW	44	1,650	4,100	9,900	2.47	6.03	2.33
A4-SC	50	1,930	5,800	13,300	3.03	6.89	2.02
A5-SE	51	1,880	5,200	9,300	2.77	4.96	1.58
A0-NS ^c	1	40	100	300	2.00	8.00	4.00

Table TLb. **Resident** hunter activity for **TEAL**, 2009 special season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	174	6,700	18,700	40,200	2.77	5.96	2.00
A1-NW	16	620	1,800	4,800	2.94	7.75	2.65
A2-NE	25	970	2,500	4,200	2.60	4.36	1.56
A3-SW	40	1,550	3,900	9,600	2.49	6.23	2.42
A4-SC	49	1,900	5,800	13,200	3.06	6.94	1.99
A5-SE	43	1,670	4,600	8,000	2.74	4.81	1.58
A0-NS ^c	1	40	100	300	2.00	8.00	4.00

Table TLc. **Non-Resident** hunter activity for **TEAL**, 2009 special season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	16	410	1,340	2,790	3.25	6.75	1.63
A1-NW	2	50	440	1,060	8.50	20.50	1.75
A2-NE	1	30	30	50	1.00	2.00	2.00
A3-SW	4	100	230	310	2.25	3.00	0.83
A4-SC	1	30	30	100	1.00	4.00	4.00
A5-SE	8	210	620	1,260	3.00	6.13	1.65
A0-NS ^c	0	0	0	0			

^a The sum of regional values may not precisely equal state total due to computation method.

^b No management regions exist.

^c County hunted not specified.

2009-2010 Waterfowl Hunting Estimates

Regular Duck Season

(Estimates generated with Federal HIP data take priority over these SGHS generated estimates)

Table DKa. **All** hunter activity for **DUCKS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	663	24,000	187,800	371,200	7.83	15.48	1.74
A1-NW	94	3,100	13,200	32,100	4.31	10.49	2.14
A2-NE	117	4,400	36,300	58,700	8.20	13.22	1.42
A3-SW	97	3,400	20,100	40,900	5.89	11.98	1.74
A4-SC	156	5,800	49,700	96,900	8.55	16.67	1.78
A5-SE	194	7,100	67,700	141,600	9.52	19.91	1.74
A0-NS ^c	5	200	400	200	2.22	0.89	0.22

Table DKb. **Resident** hunter activity for **DUCKS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	531	20,600	174,100	337,200	8.46	16.39	1.72
A1-NW	49	1,900	9,000	22,100	4.75	11.65	2.22
A2-NE	109	4,200	35,700	57,800	8.46	13.68	1.43
A3-SW	70	2,700	17,900	37,200	6.60	13.71	1.84
A4-SC	138	5,300	48,400	93,200	9.04	17.43	1.77
A5-SE	163	6,300	62,500	126,100	9.90	19.97	1.68
A0-NS ^c	2	100	200	0	2.00	0.00	0.00

Table DKc. **Non-Resident** hunter activity for **DUCKS**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	132	3,400	13,700	34,000	4.02	9.98	1.84
A1-NW	45	1,160	4,200	10,000	3.60	8.60	2.01
A2-NE	8	210	600	900	3.13	4.13	1.35
A3-SW	27	700	2,200	3,700	3.15	5.31	1.34
A4-SC	18	460	1,300	3,700	2.83	7.89	1.86
A5-SE	31	800	5,200	15,500	6.52	19.42	2.21
A0-NS ^c	3	80	200	200	2.50	2.00	0.50

^a The sum of regional values may not precisely equal state total due to computation method.

^b No management regions exist.

^c County hunted not specified.

2009-2010 Waterfowl Hunting Estimates

Geese

(Estimates generated with Federal HIP data take priority over these SGHS generated estimates)

Table GSa. **All** hunter activity for **GEESE**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	530	19,400	144,900	193,800	7.45	9.97	1.15
A1-NW	66	2,200	9,000	10,200	4.06	4.57	0.95
A2-NE	112	4,300	36,000	41,300	8.55	9.83	1.06
A3-SW	67	2,400	16,100	34,000	6.83	14.42	1.23
A4-SC	143	5,400	47,000	58,800	8.73	10.93	1.19
A5-SE	134	5,000	35,300	47,600	7.11	9.62	1.21
A0-NS ^c	8	300	700	1,100	2.36	3.55	1.75

Table GSb. **Resident** hunter activity for **GEESE**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	445	17,200	138,600	186,500	8.04	10.82	1.16
A1-NW	40	1,500	7,400	8,800	4.80	5.68	1.04
A2-NE	102	4,000	35,100	39,800	8.88	10.08	1.02
A3-SW	49	1,900	15,200	32,200	8.00	16.96	1.17
A4-SC	131	5,100	46,400	58,100	9.14	11.45	1.19
A5-SE	116	4,500	33,100	46,000	7.37	10.24	1.26
A0-NS ^c	7	300	700	1,000	2.50	3.60	1.63

Table GSa. **Non-Resident** hunter activity for **GEESE**, 2009-2010 season ^a.

Region ^b	Sample Size	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg. Bag Per Day
STATE	85	2,200	6,300	7,300	2.88	3.31	1.12
A1-NW	26	670	1,600	1,400	2.42	2.08	0.76
A2-NE	10	260	900	1,500	3.50	6.00	1.67
A3-SW	18	460	900	1,800	2.00	3.94	1.46
A4-SC	12	310	600	700	2.08	2.33	1.21
A5-SE	18	460	2,200	1,600	4.67	3.50	0.76
A0-NS ^c	1	30	0	100	1.00	3.00	3.00

^a The sum of regional values may not precisely equal state total due to computation method.

^b No management regions exist.

^c County hunted not specified.