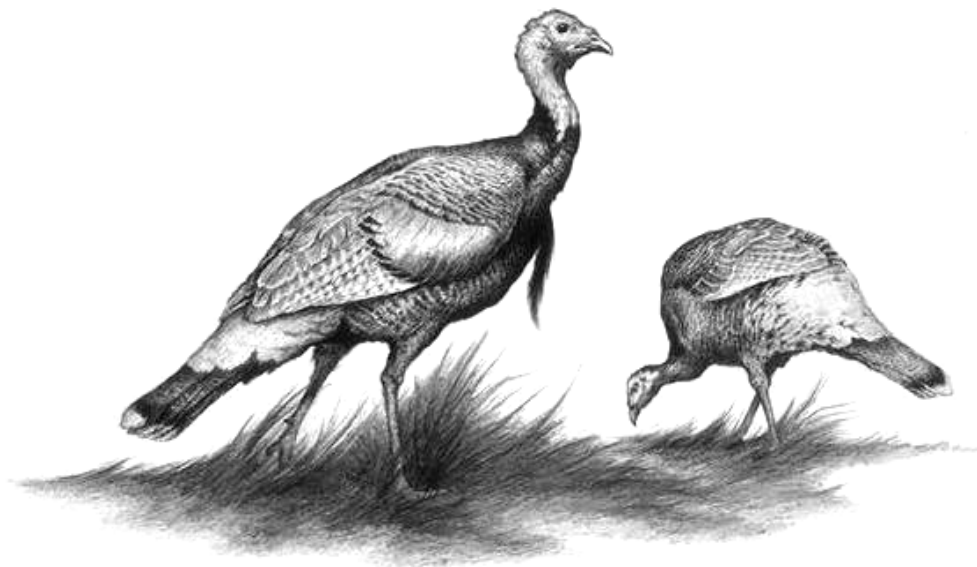


# UTAH UPLAND GAME ANNUAL REPORT 2007



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# Utah Upland Game Annual Report 2007

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State of Utah  
Department of Natural Resources  
DIVISION OF WILDLIFE RESOURCES

An Equal Opportunity Employer

**James F. Karpowitz**  
Director

“Finding out how many there are left is the least of the purposes of game census.

Measuring the response of game populations to changes – deliberate or accidental – in their environment is the big purpose.

Continuous census is the yardstick of success or failure in conservation.”

*Aldo Leopold, 1932*

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## INTRODUCTION

The objective of Utah's upland game management program is to provide recreational hunting opportunity for sportsmen within the limits of the annual harvestable surplus for each species. It is based on the knowledge that populations of upland game experience relatively high rates of annual turnover. High reproductive rates are naturally compensated for by high rates of mortality, whether hunting is allowed or not. Annual surveys are conducted to measure the production, trend, and harvest of each upland game population.

This is the 34<sup>th</sup> Annual Upland Game Report. It is an annual performance report of information compiled during inventory and harvest surveys conducted under Federal Aid Project W-65-M, segments 55 & 56. Information contained herein was collected and compiled by biologists, conservation officers, wildlife managers, and upland game management staff of the Utah Division of Wildlife Resources. This report covers the 2007–2008 upland game season and 2007 turkey season.

This report serves as a handbook of inventory and harvest data. It is designed primarily for the use of those concerned with the management of upland game. A separate section is devoted to each species of upland game in Utah. Data are presented primarily in tabular form with limited figures.

The upland game harvest survey is designed to monitor statewide harvest trends from year to year. The more extensively a species is hunted, the more accurately the survey measures the trend data. To improve the accuracy of the indices for species that receive very little hunting pressure, have low densities, and a limited distribution, a unique survey is used. Each species of that type must be hunted using a special permit so that hunter information can be obtained for survey purposes. Species falling into this category include Band-tailed Pigeon, Sage-grouse, Sharp-tailed Grouse, White-tailed Ptarmigan, and Wild Turkey.

The annual harvest report is sometimes criticized for being inaccurate and without value. However, report users must recognize that the accuracy of the survey is based on 4 basic assumptions: (1) the survey sample is completely random; (2) respondents clearly understood the question; (3) respondents recorded or remembered data accurately, and did not guess or lie; and (4) respondents correctly identified the species hunted. If those assumptions are not met, projections or harvest by county may be over-estimated due to non-response or memory biases. Extreme caution should be used in the interpretation of estimated harvest and hunters for specific species in specific counties. Rather, the long-term trend in these indices should be used in managing the populations.

Presently, the Upland Game Annual Report contains the best data available and therefore constitutes the basic facts of upland game management. Although this report has its limitations, the trend data is valuable in making professional judgments regarding upland game populations and harvest.

The annual report is used in wildlife planning. It can be used to establish relative importance among species and for developing new resources through transplants or habitat developments. It

points out areas of needed research by indicating problems and possible causes. It documents population trends and it combines all this inventory information into one easily accessible publication. Thus it is used extensively by federal land management agencies in environmental impact statements and management plans. It will become increasingly more important in developing management plans and assessing impacts on wildlife habitat.

## **Upland Game Harvest Surveys**

Harvest statistics were obtained from a random sample of licensed hunters using a telephone survey and then projected by the total number of license holders. General upland game harvest was obtained with one survey, whereas species that required special permits were obtained using a separate survey. As of July 1, 2007, the 365-day small game license was renamed a basic Hunting License and all hunters were required to purchase either a valid Combination License or a basic Hunting License before purchasing a more specific hunting permit in Utah. The number of licenses sold increased by approximately 27% in 2007 as a result of this change, and a larger sample of license holders was required to survey upland game harvest.

This is the first year that sandhill crane harvest information has been presented in the Upland Game Annual Report. A special permit, available through a drawing, was required to harvest a sandhill crane in 2007. Online harvest reporting was mandatory for all hunters who obtained a sandhill crane permit, regardless of success. Several hunters failed to report so harvest statistics are projected by the total number of permit holders for each individual hunt.

In 2007, 4,978 upland game hunters were randomly selected for participation in the general upland game harvest survey, representing a 4.00% sample of all licensed hunters in Utah for 2007. Of those hunters contacted, 3,756 (75.5%) purchased a general Utah hunting license, but did not hunt upland game in 2007.

For each special permit species (Band-tailed Pigeon, Sage-grouse, Sharp-tailed Grouse, White-tailed Ptarmigan, and Wild Turkey), a statistically significant number of permittees was randomly selected for participation in the telephone survey.

Based on the results of those surveys, a total of 30,525 sportsmen spent 217,481 days afield in pursuit of various upland game species in 2007, with the harvest totaling 232,831 animals. Detailed information describing the upland game harvest can be found in the following tables. Regulations for the 2007 upland game hunting season are shown in Appendix C.

Summary of upland game harvest statistics, Utah 2007.

Species	Hunters afield	Total harvest	Hunter-days afield	Bag per hunter-day	Bag per hunter per season
Band-tailed Pigeon	69	43	231	0.19	0.62
Chukar Partridge	4,971	26,758	24,291	1.10	5.38
Cottontail Rabbit	6,794	45,902	38,886	1.18	6.76
Doves	10,017	83,099	37,971	2.19	8.30
Eurasian	—	2,545	—	—	—
Mourning	—	73,807	—	—	—
White-winged	—	1,948	—	—	—
Unknown	—	4,799	—	—	—
Forest Grouse	8,193	26,012	36,799	0.71	3.17
Blue	—	11,990	—	—	—
Ruffed	—	12,064	—	—	—
Unknown	—	1,958	—	—	—
Hungarian Partridge	1,099	3,683	3,358	1.10	3.35
Quail	2,073	9,844	11,453	0.86	4.75
Ring-necked Pheasant	13,764	32,121	48,285	0.67	2.33
Sage-grouse	1,083	1,255	1,627	0.77	1.16
Sandhill Crane	141	234	103	0.44	0.73
Sharp-tailed Grouse	149	87	215	0.40	0.58
Snowshoe Hare	550	2,175	3,149	0.69	3.95
White-tailed Ptarmigan	58	17	157	0.11	0.29
Wild Turkey	2,800	1,601	10,956	0.15	0.57
Merriam's	649	390	2,073	0.19	0.60
Rio Grande	2,151	1,211	8,883	0.14	0.56
Total	30,525*	232,831	217,481	—	—

\*This is not the total of the column because many hunters hunted multiple species.

Number of total upland game hunters afield by species, Utah 1998–2007.

Species	Year									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Band-tailed Pigeon	68	49	53	86	58	107	60	52	71	69
Chukar Partridge	9,283	14,388	14,056	7,338	6,944	8,118	6,265	11,565	6,245	4,971
Cottontail Rabbit	10,585	15,475	15,797	8,620	7,483	8,685	6,358	12,575	7,401	6,794
Dove	18,030	20,926	23,916	13,715	13,619	14,625	13,210	15,849	10,904	10,017
Forest Grouse	9,166	16,941	24,338	14,260	13,020	15,669	14,259	13,371	11,532	8,193
Hungarian Partridge	2,350	6,211	3,349	2,596	2,694	2,656	2,253	4,345	2,148	1,099
Quail	3,211	4,002	3,828	3,140	2,394	2,537	2,099	3,519	2,809	2,073
Ring-necked Pheasant	35,130	36,211	41,074	26,468	22,149	20,773	13,457	26,864	16,521	13,764
Sage-grouse	3,559	4,830	1,456	1,242	521	767	1,077	1,231	1,070	1,083
Sandhill Crane	42	82	99	107	86	79	67	76	105	141
Sharp-tailed Grouse	235	332	364	309	71	249	218	170	152	149
Snowshoe Hare	1,093	2,139	1,855	417	658	686	525	612	496	550
White-tailed Ptarmigan	45	34	65	114	59	114	61	98	61	58
Wild Turkey										
Merriam's	309	327	396	548	622	617	459	441	556	649
Rio Grande	254	413	615	769	876	810	820	1,215	1,873	2,151
Total Hunters*	50,740	55,553	54,716	45,150	44,238	48,261	44,629	50,821	40,873	30,525

\*This is not the total of the columns because many upland game hunters hunted multiple species.



Percent of upland game hunters afield who reported hunting each species, Utah 1998–2007.

Species	Year									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Band-tailed Pigeon*	0.13	0.09	0.10	0.19	0.13	0.22	0.13	0.10	0.17	0.23
Chukar Partridge	18.30	25.90	25.69	16.25	15.70	16.82	14.04	22.76	15.28	16.29
Cottontail Rabbit	20.86	27.86	28.87	19.09	16.92	18.00	14.25	24.74	18.11	22.26
Dove	35.53	37.67	43.71	30.38	30.79	30.30	29.60	31.19	26.68	32.82
Forest Grouse	18.06	30.50	44.48	31.58	29.43	32.47	31.95	26.31	28.21	26.84
Hungarian Partridge	4.63	11.18	6.12	5.75	6.09	5.50	5.05	8.55	5.26	3.60
Quail	6.33	7.20	7.00	6.95	5.41	5.26	4.70	6.92	6.87	6.79
Ring-necked Pheasant	69.24	65.18	75.07	58.62	50.07	43.04	30.15	52.86	40.42	45.09
Sage-grouse*	7.01	8.69	2.66	2.75	1.18	1.59	2.41	2.42	2.62	3.55
Sandhill Crane	0.08	0.15	0.18	0.24	0.19	0.16	0.15	0.15	0.26	0.46
Sharp-tailed Grouse*	0.46	0.60	0.67	0.68	0.16	0.52	0.49	0.33	0.37	0.49
Snowshoe Hare	2.15	3.85	3.39	0.92	1.49	1.42	1.18	1.20	1.21	1.80
White-tailed Ptarmigan*	0.09	0.06	0.12	0.25	0.13	0.24	0.14	0.19	0.15	0.19
Wild Turkey*										
Merriam's	0.61	0.59	0.72	1.21	1.41	1.28	1.03	0.87	1.36	2.13
Rio Grande	0.50	0.74	1.12	1.70	1.98	1.68	1.84	2.39	4.58	7.05

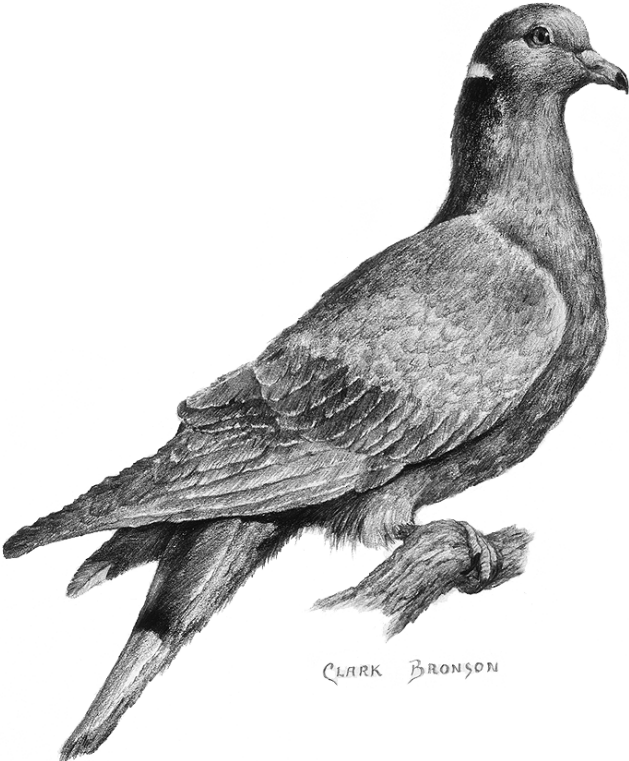
\*Although Band-tailed Pigeon, Sage-grouse, Sandhill Crane, Sharp-tailed Grouse, Wild Turkey, and White-tailed Ptarmigan harvest were determined by separate surveys, it is assumed that these hunters are derived from the same group of hunters who reported hunting other upland species.

Percentage of hunters who failed to harvest at least one animal during the season, Utah 2001–2007.

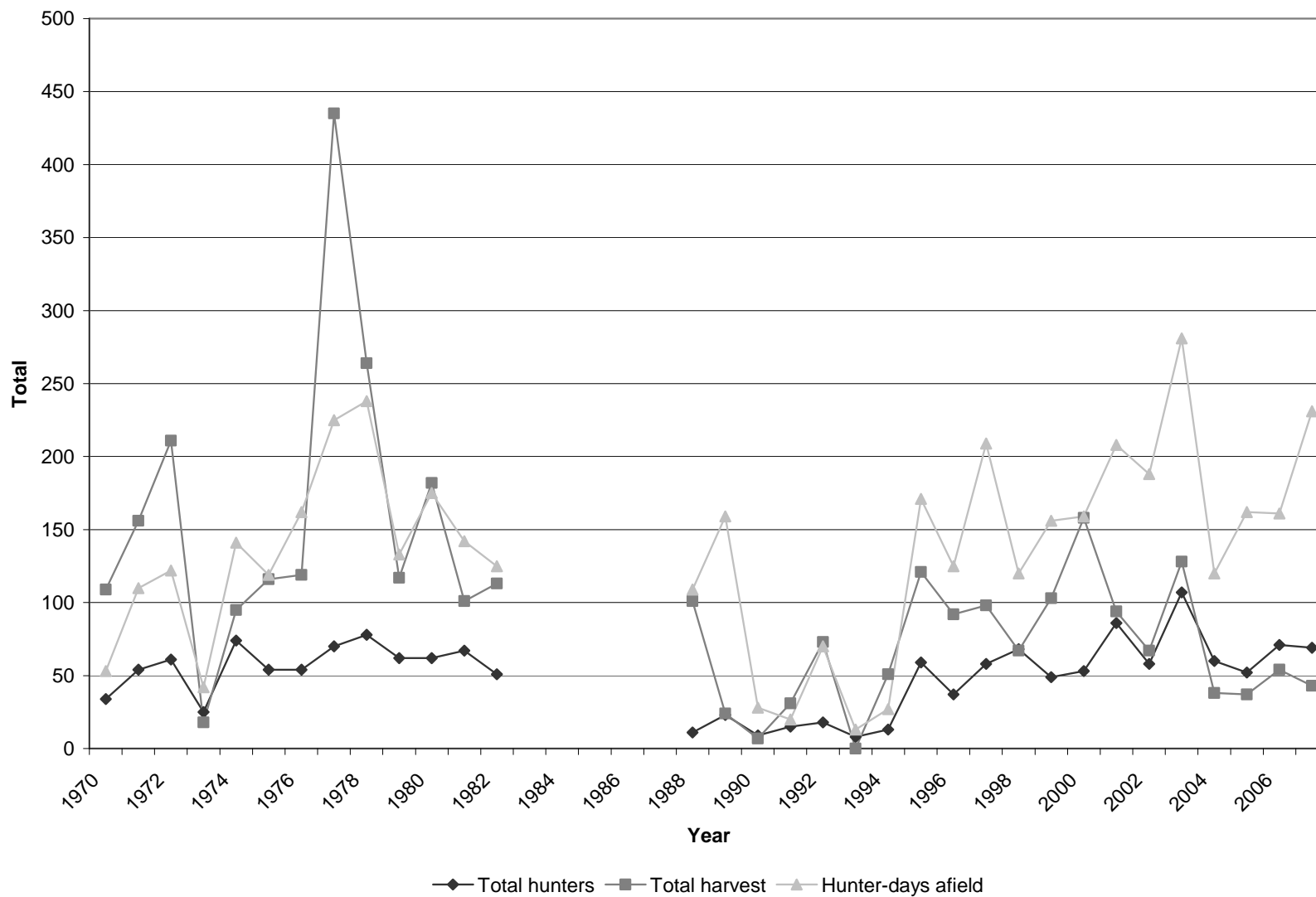
Year	Percentage of upland game hunters who failed to harvest at least one animal during the season						
	Band-tailed pigeon	Chukar partridge	Cottontail rabbit	Dove	Forest grouse	Hungarian partridge	Merriam's wild turkey
2001	64	46	26	29	31	49	34
2002	72	52	35	21	36	60	51
2003	68	43	26	24	29	39	66
2004	85	40	27	23	34	49	62
2005	63	33	15	20	30	34	53
2006	86	29	17	24	31	40	41
2007	73	40	30	28	34	36	40
Average (2001–2006)	73	40	24	24	32	45	51

Year	Percentage of upland game hunters who failed to harvest at least one animal during the season							
	Quail	Ring-necked pheasant	Rio Grande wild turkey	Sage-grouse	Sandhill crane	Sharp-tailed grouse	Snowshoe hare	White-tailed ptarmigan
2001	41	43	31	43	28	64	62	77
2002	54	45	45	45	30	60	73	77
2003	47	36	38	22	28	51	52	88
2004	57	33	37	30	21	77	47	88
2005	29	31	39	22	18	45	35	81
2006	34	32	43	22	17	45	27	60
2007	37	41	44	33	27	63	36	90
Average (2001–2006)	44	37	39	31	24	57	49	79

**BAND-TAILED PIGEON**

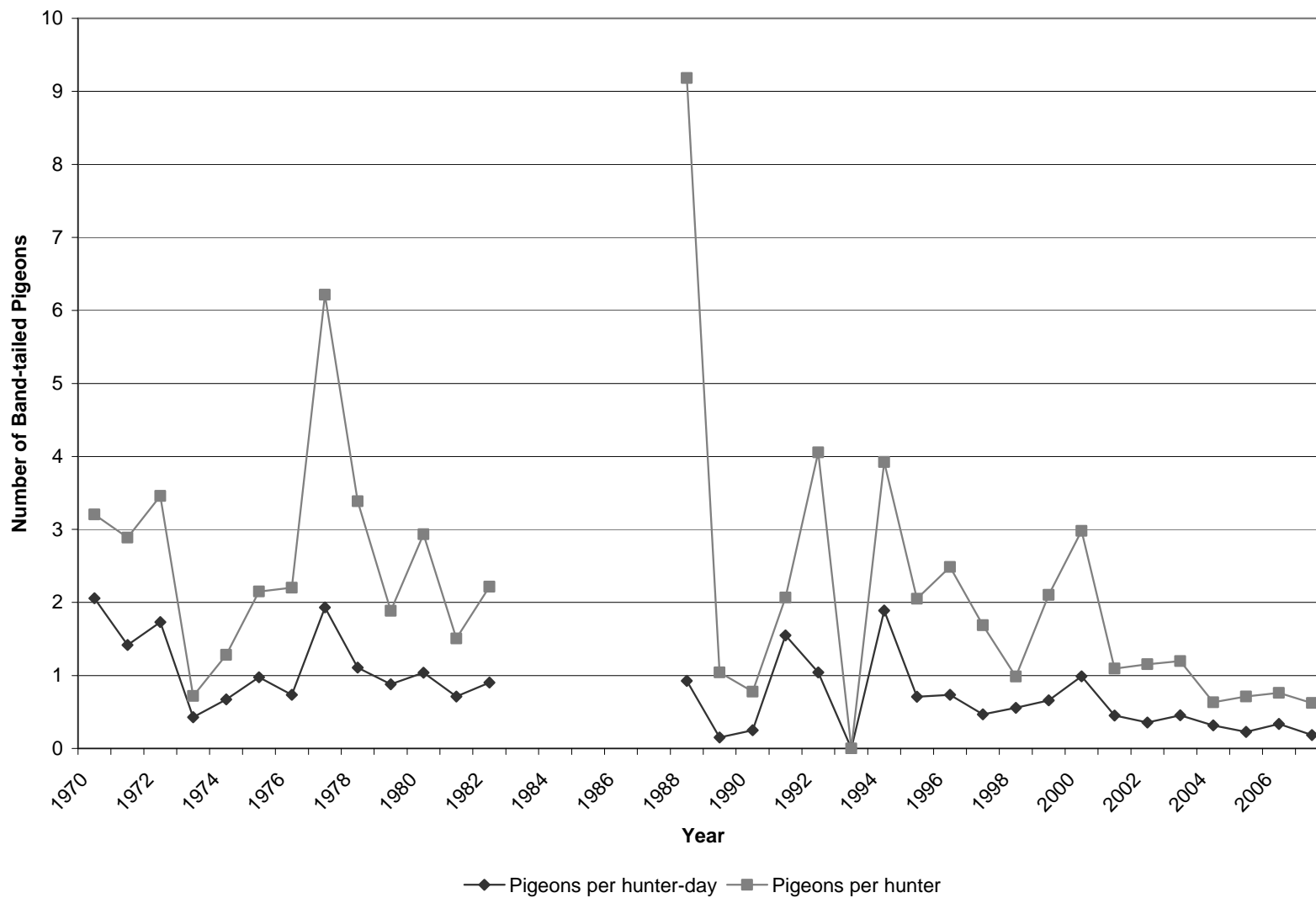


Statewide trends in Band-tailed Pigeon harvest statistics, Utah 1970–2007.



\*No data available 1983–1987.

Statewide trends in Band-tailed Pigeon hunter success, Utah 1970–2007.



\*No data available 1983–1987.

Band-tailed Pigeon harvest statistics by region and county, Utah 2007.

Region and county	n	Hunters afield	Hunter-days afield	Pigeons bagged	Pigeons / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	1	3	3	3	1.00	1.3	7.0
Cache	1	3	47	0	0.00	20.3	0.0
Davis	0	0	0	0	—	0.0	0.0
Morgan	0	0	0	0	—	0.0	0.0
Rich	0	0	0	0	—	0.0	0.0
Summit	0	0	0	0	—	0.0	0.0
Weber	1	3	22	0	0.00	9.5	0.0
Regional total	3	9	72	3	0.04	31.2	7.0
Central Region							
Juab	3	9	16	6	0.38	6.9	14.0
Salt Lake	0	0	0	0	—	0.0	0.0
Sanpete	0	0	0	0	—	0.0	0.0
Tooele	1	3	6	0	0.00	2.6	0.0
Utah	2	6	6	3	0.50	2.6	7.0
Wasatch	0	0	0	0	—	0.0	0.0
Regional total	6	18	28	9	0.32	12.1	20.9
Southern Region							
Beaver	0	0	0	0	—	0.0	0.0
Garfield	0	0	0	0	—	0.0	0.0
Iron	1	3	3	0	0.00	1.3	0.0
Kane	0	0	0	0	—	0.0	0.0
Millard	2	6	16	0	0.00	6.9	0.0
Piute	0	0	0	0	—	0.0	0.0
Sevier	3	9	44	25	0.57	19.0	58.1
Washington	2	6	16	6	0.38	6.9	14.0
Wayne	0	0	0	0	—	0.0	0.0
Regional total	8	24	79	31	0.39	34.2	72.1
Northeastern Region							
Daggett	1	3	9	0	0.00	3.9	0.0
Duchesne	1	3	9	0	0.00	3.9	0.0
Uintah	0	0	0	0	—	0.0	0.0
Regional total	2	6	18	0	0.00	7.8	0.0
Southeastern Region							
Carbon	0	0	0	0	—	0.0	0.0
Emery	0	0	0	0	—	0.0	0.0
Grand	2	6	6	0	0.00	2.6	0.0
San Juan	1	3	3	0	0.00	1.3	0.0
Regional total	3	9	9	0	0.00	3.9	0.0
Unknown	2	6	25	0	0.00	10.8	0.0
Statewide total*	22	69	231	43	0.19	100.0	100.0

\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties. Areas open for band-tailed pigeon hunting include Beaver, Garfield, Grand, Iron, Kane, Millard, Piute, San Juan, Sanpete, Sevier, Utah, Washington, and Wayne counties. Several hunters indicated that they harvested band-tailed pigeon outside of these areas. Projection factor = 3.13; 235 permits sold; 75 (32%) permits surveyed.

Statewide Band-tailed Pigeon harvest statistics, Utah 1970–2007.

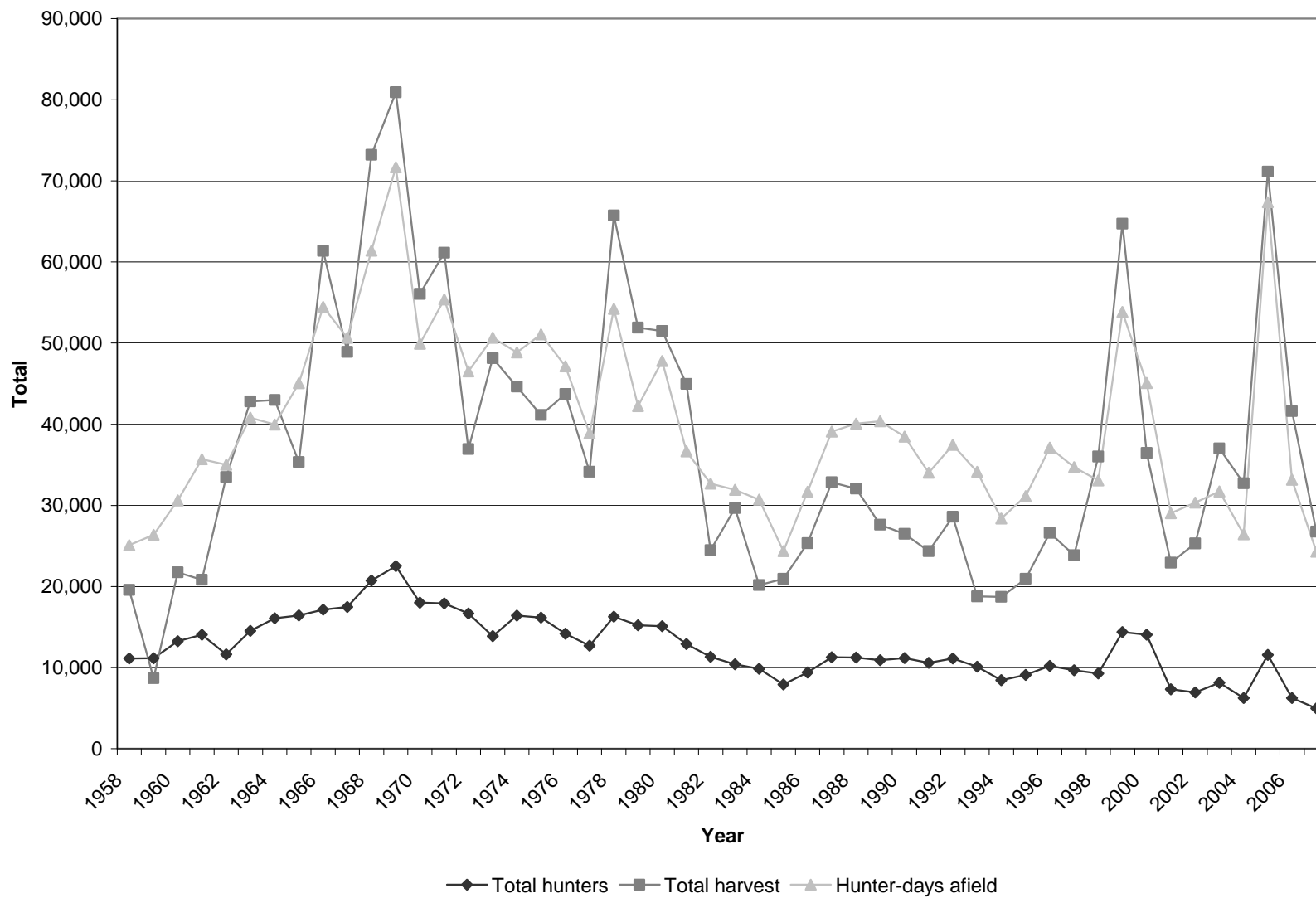
Year	Total hunters	Total harvest	Hunter-days afield	Pigeons / hunter-day	Pigeons / hunter
1970	34	109	53	2.06	3.21
1971	54	156	110	1.42	2.89
1972	61	211	122	1.73	3.46
1973	25	18	42	0.43	0.72
1974	74	95	141	0.67	1.28
1975	54	116	119	0.97	2.15
1976	54	119	162	0.73	2.20
1977	70	435	225	1.93	6.21
1978	78	264	238	1.11	3.38
1979	62	117	133	0.88	1.89
1980	62	182	175	1.04	2.94
1981	67	101	142	0.71	1.51
1982	51	113	125	0.90	2.22
1983	—	—	—	—	—
1984	—	—	—	—	—
1985	—	—	—	—	—
1986	—	—	—	—	—
1987	—	—	—	—	—
1988	11	101	109	0.93	9.18
1989	23	24	159	0.15	1.04
1990	9	7	28	0.25	0.78
1991	15	31	20	1.55	2.07
1992	18	73	70	1.04	4.06
1993	8	0	13	0.00	0.00
1994	13	51	27	1.89	3.92
1995	59	121	171	0.71	2.05
1996	37	92	125	0.74	2.49
1997	58	98	209	0.47	1.69
1998	68	67	120	0.56	0.99
1999	49	103	156	0.66	2.10
2000	53	158	159	0.99	2.98
2001	86	94	208	0.45	1.09
2002	58	67	188	0.36	1.16
2003	107	128	281	0.46	1.20
2004	60	38	120	0.32	0.63
2005	52	37	162	0.23	0.71
2006	71	54	161	0.34	0.76
2007	69	43	231	0.19	0.62
Total (1970–2007)	1,670	3,423	4,504	—	—
Average (1970–2006)	50	106	134	0.79	2.11
% change from previous year	-3	-20	43	-45	-18
% change from average	38	-59	73	-76	-70

# CHUKAR PARTRIDGE

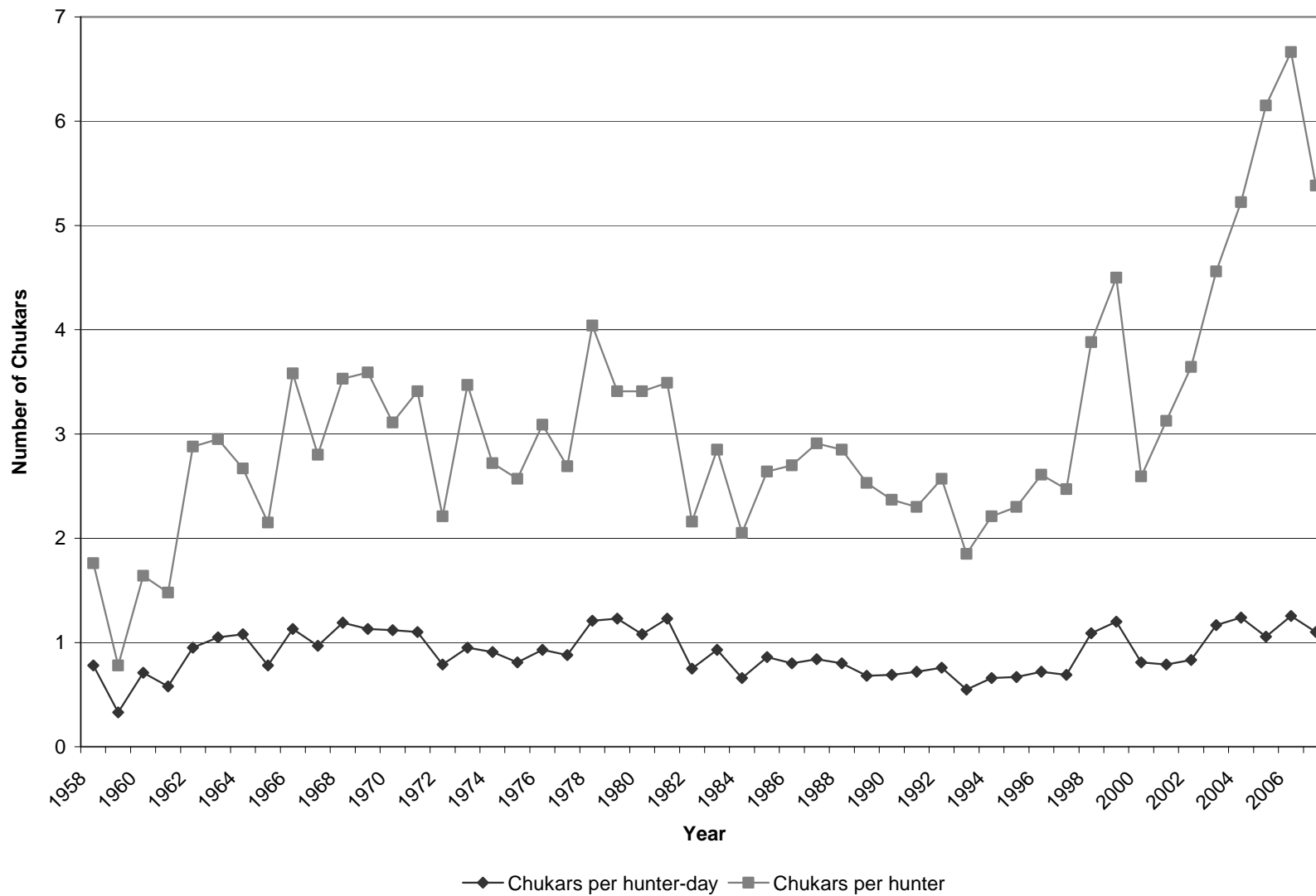




Statewide trends of Chukar Partridge harvest statistics, Utah 1958–2007.



Statewide trends of Chukar Partridge hunter success, Utah 1958–2007.



Chukar Partridge aerial survey, Northeast Cedar Mountains, Tooele County, Utah 1996–2007.

Year	Date	Coveys flushed	Total Chukars observed	Square miles surveyed	Chukars / square mile	Elapsed time (hours)	Chukars / survey hour
1996	08/21/96	12	103	6.49	16	1.17	88
1997	08/20/97	18	295	8.00	37	1.17	252
1998	09/03/98	52	939	8.00	117	1.35	696
1999	08/16/99	65	623	8.00	78	1.75	356
2000	08/21/00	23	96	8.00	12	1.30	74
2001	—	9	68	8.00	9	1.63	42
2002	08/28/02	5	36	8.00	5	1.61	22
2003	08/22/03	27	238	8.00	30	1.33	179
2004	08/20/04	15	167	8.00	21	1.87	89
2005	08/18/05	36	566	8.00	71	1.53	370
2006	08/24/06	50	779	8.00	97	2.50	312
2007	08/29/07	24	144	8.00	18	2.00	72
Total (1996–2007)		336	4,054	—	—	—	—
Average (1996–2006)		28	355	8	45	1.56	225
% change from previous year		-52	-82	0	-82	-20	-77
% change from average		-15	-59	2	-60	28	-68

Chukar Partridge harvest statistics by region and county, Utah 2007.

Region and county	n	Hunters afield	Hunter-days afield	Chukars bagged	Chukars / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	28	699	2,723	3,747	1.38	11.2	14.0
Cache	10	250	1,052	1,524	1.45	4.3	5.7
Davis	0	0	0	0	—	0.0	0.0
Morgan	6	150	275	325	1.18	1.1	1.2
Rich	0	0	0	0	—	0.0	0.0
Summit	0	0	0	0	—	0.0	0.0
Weber	0	0	0	0	—	0.0	0.0
Regional total	44	1,099	4,050	5,596	1.38	16.7	20.9
Central Region							
Juab	12	300	2,023	2,423	1.20	8.3	9.1
Salt Lake	5	125	300	50	0.17	1.2	0.2
Sanpete	8	200	350	200	0.57	1.4	0.7
Tooele	52	1,299	4,774	5,046	1.06	19.7	18.9
Utah	40	999	4,122	4,521	1.10	17.0	16.9
Wasatch	0	0	0	0	—	0.0	0.0
Regional total	117	2,923	11,569	12,240	1.06	47.6	45.7
Southern Region							
Beaver	5	125	824	1,174	1.42	3.4	4.4
Garfield	2	50	75	25	0.33	0.3	0.1
Iron	2	50	125	125	1.00	0.5	0.5
Kane	0	0	0	0	—	0.0	0.0
Millard	9	225	999	1,449	1.45	4.1	5.4
Piute	2	50	175	749	4.28	0.7	2.8
Sevier	8	200	1,824	1,524	0.84	7.5	5.7
Washington	4	100	125	0	0.00	0.5	0.0
Wayne	2	50	50	175	3.50	0.2	0.7
Regional total	34	850	4,197	5,221	1.24	17.3	19.5
Northeastern Region							
Daggett	0	0	0	0	—	0.0	0.0
Duchesne	7	175	924	500	0.54	3.8	1.9
Uintah	4	100	250	125	0.50	1.0	0.5
Regional total	11	275	1,174	625	0.53	4.8	2.3
Southeastern Region							
Carbon	4	100	375	575	1.53	1.5	2.1
Emery	5	125	1,724	525	0.30	7.1	2.0
Grand	1	25	50	0	0.00	0.2	0.0
San Juan	1	25	25	25	1.00	0.1	0.1
Regional total	11	275	2,174	1,125	0.52	8.9	4.2
Unknown	11	275	1,127	1,951	1.73	4.6	7.3
Statewide total*	199	4,971	24,291	26,758	1.10	100.0	100.0

\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties.

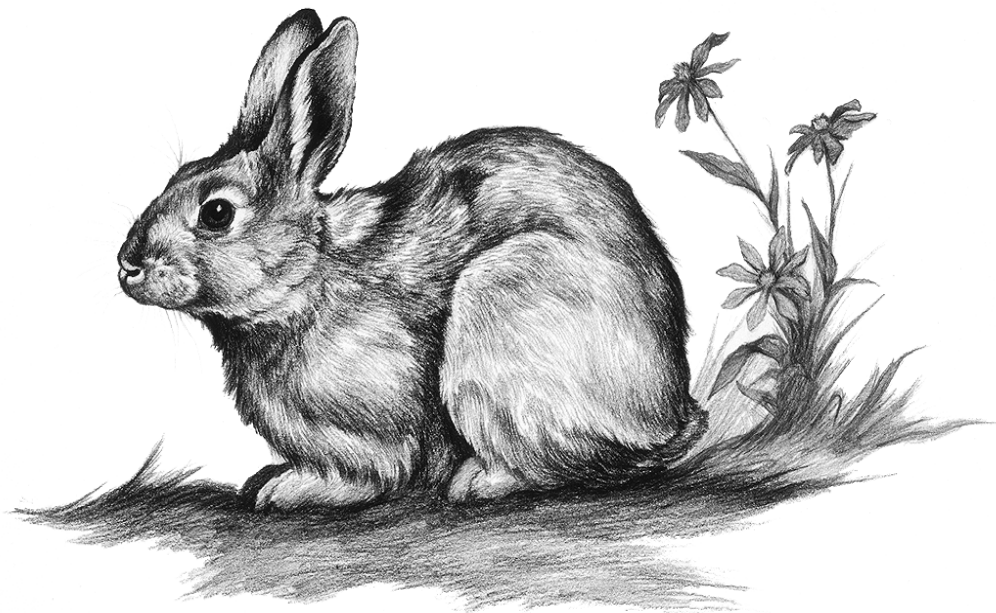
Statewide Chukar Partridge harvest statistics, Utah 1958–2007.

Year	Total hunters	Total harvest	Hunter-days afield	Chukars / hunter-day	Chukars / hunter
1958	11,124	19,578	25,100	0.78	1.76
1959	11,154	8,700	26,364	0.33	0.78
1960	13,252	21,733	30,610	0.71	1.64
1961	14,046	20,821	35,675	0.58	1.48
1962	11,638	33,500	35,010	0.95	2.88
1963	14,532	42,806	40,824	1.05	2.95
1964	16,090	42,974	39,971	1.08	2.67
1965	16,431	35,335	45,067	0.78	2.15
1966	17,133	61,370	54,448	1.13	3.58
1967	17,485	48,906	50,671	0.97	2.80
1968	20,744	73,218	61,402	1.19	3.53
1969	22,529	80,917	71,674	1.13	3.59
1970	18,013	56,053	49,911	1.12	3.11
1971	17,917	61,151	55,378	1.10	3.41
1972	16,685	36,925	46,502	0.79	2.21
1973	13,888	48,135	50,677	0.95	3.47
1974	16,412	44,658	48,856	0.91	2.72
1975	16,156	41,151	51,083	0.81	2.57
1976	14,171	43,726	47,143	0.93	3.09
1977	12,691	34,155	38,873	0.88	2.69
1978	16,291	65,747	54,239	1.21	4.04
1979	15,210	51,918	42,254	1.23	3.41
1980	15,100	51,511	47,778	1.08	3.41
1981	12,907	44,983	36,662	1.23	3.49
1982	11,326	24,460	32,691	0.75	2.16
1983	10,418	29,649	31,904	0.93	2.85
1984	9,846	20,179	30,715	0.66	2.05
1985	7,930	20,938	24,346	0.86	2.64
1986	9,397	25,346	31,672	0.80	2.70
1987	11,276	32,848	39,099	0.84	2.91
1988	11,237	32,057	40,088	0.80	2.85
1989	10,910	27,628	40,384	0.68	2.53
1990	11,195	26,486	38,463	0.69	2.37
1991	10,577	24,355	34,010	0.72	2.30
1992	11,125	28,599	37,463	0.76	2.57
1993	10,128	18,774	34,147	0.55	1.85
1994	8,455	18,721	28,389	0.66	2.21
1995	9,097	20,954	31,140	0.67	2.30

Statewide Chukar Partridge harvest statistics, Utah 1958–2007 (cont.).

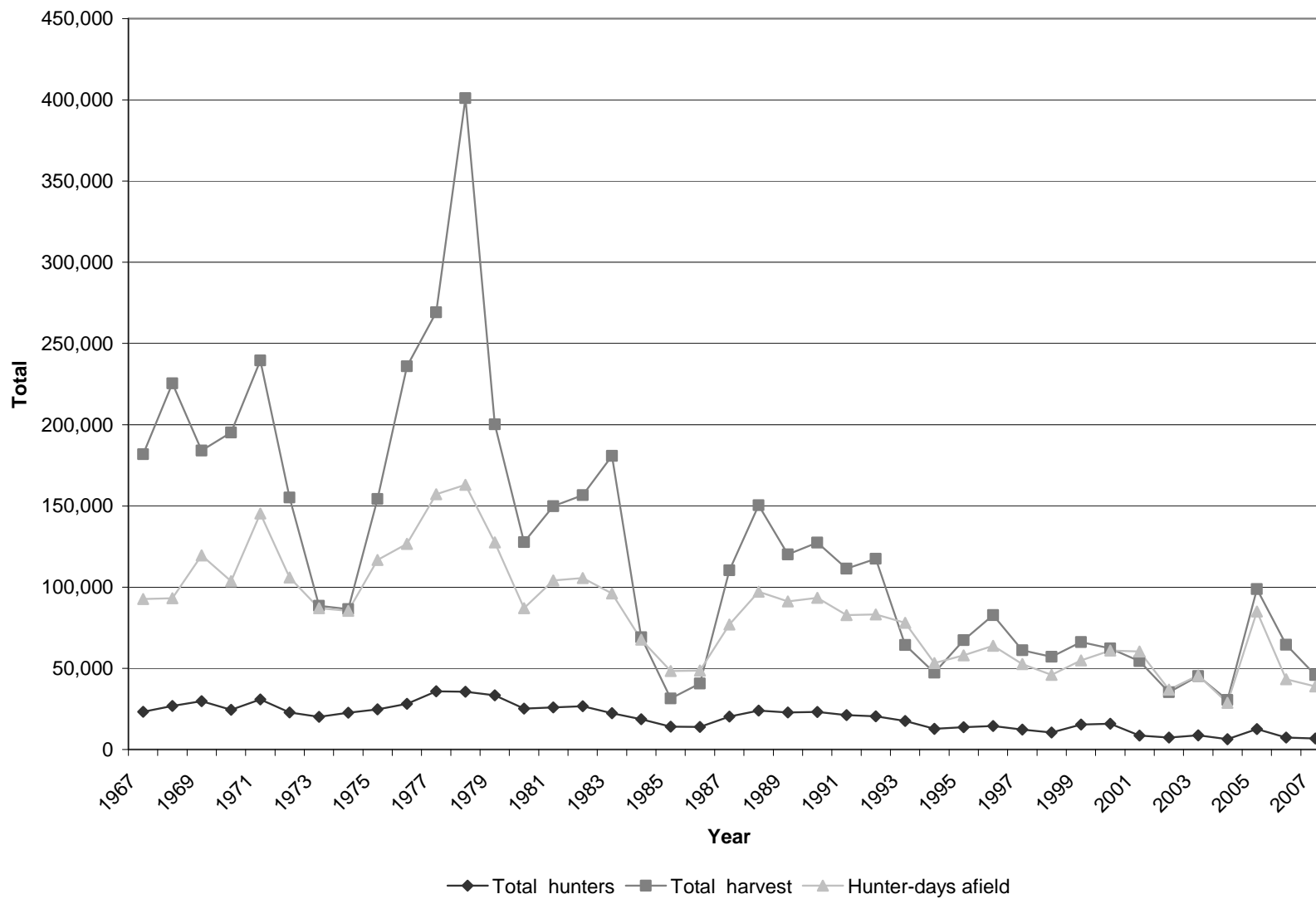
Year	Total hunters	Total harvest	Hunter-days afield	Chukars / hunter-day	Chukars / hunter
1996	10,197	26,594	37,116	0.72	2.61
1997	9,665	23,840	34,711	0.69	2.47
1998	9,283	36,013	33,082	1.09	3.88
1999	14,388	64,727	53,842	1.20	4.50
2000	14,056	36,458	45,096	0.81	2.59
2001	7,338	22,941	29,032	0.79	3.13
2002	6,944	25,294	30,351	0.83	3.64
2003	8,118	37,007	31,696	1.17	4.56
2004	6,265	32,718	26,421	1.24	5.22
2005	11,565	71,134	67,373	1.06	6.15
2006	6,245	41,618	33,175	1.25	6.66
2007	4,971	26,758	24,291	1.10	5.38
Total (1958–2007)	623,551	1,866,067	2,006,869	—	—
Average (1958–2006)	12,624	37,537	40,461	0.93	2.97
% change from previous year	-20	-36	-27	-12	-19
% change from average	-61	-29	-40	19	81

# COTTONTAIL RABBIT



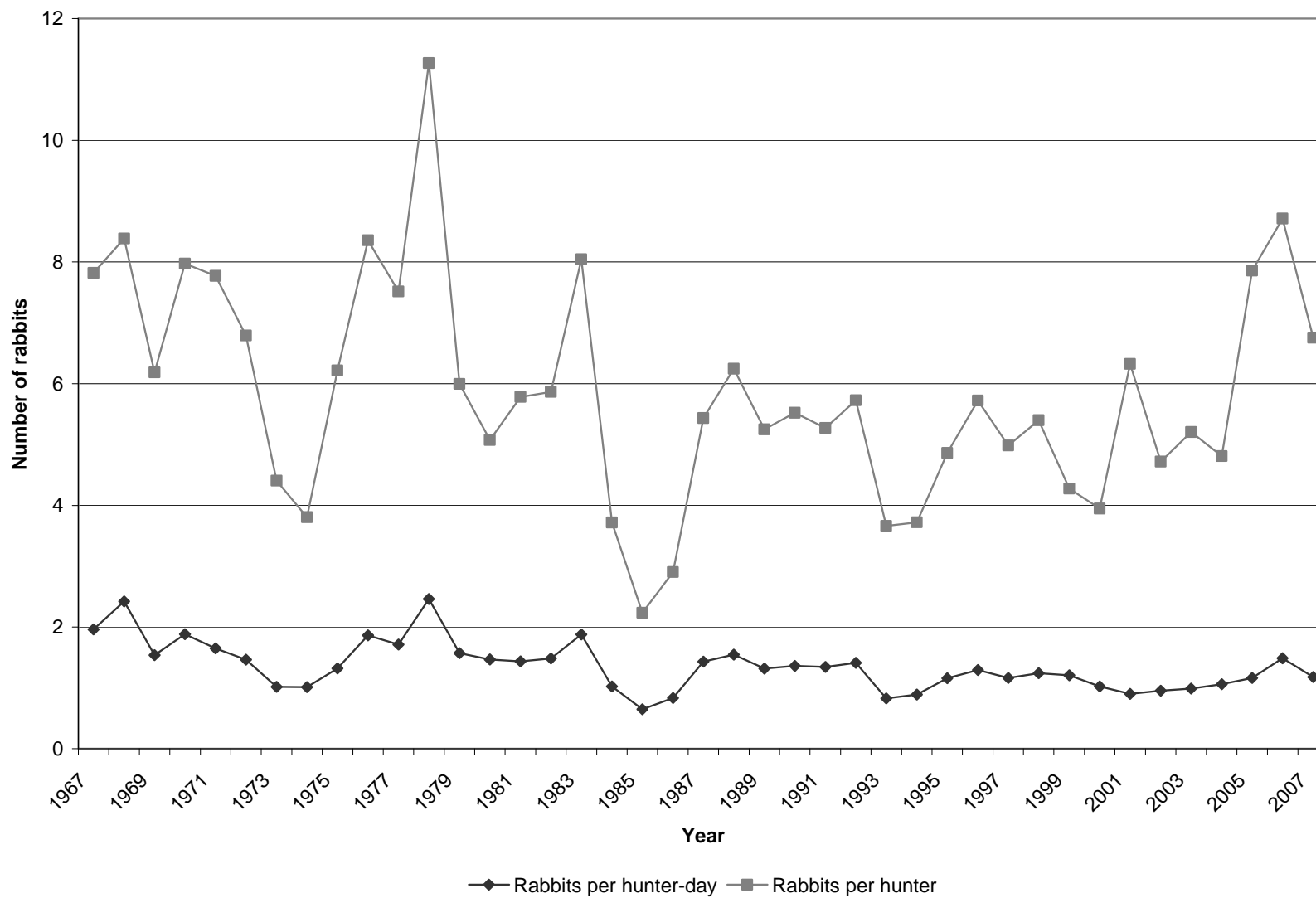
CLARK BRONSON

Statewide trends of cottontail rabbit harvest statistics, Utah 1967–2007.





Statewide trends of cottontail rabbit hunter success, Utah 1967–2007.



Cottontail rabbit harvest statistics by region and county, Utah 2007.

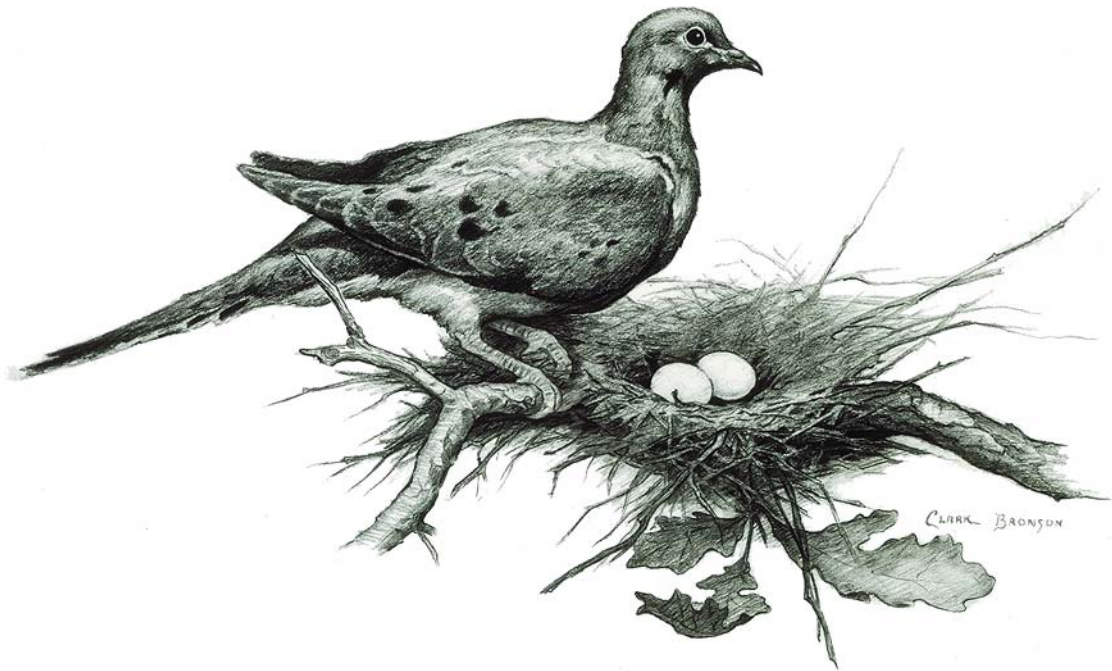
Region and county	n	Hunters afield	Hunter-days afield	Rabbits bagged	Rabbits / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	16	400	1,948	600	0.31	5.0	1.3
Cache	3	75	305	75	0.25	0.8	0.2
Davis	0	0	0	0	—	0.0	0.0
Morgan	1	25	25	25	1.00	0.1	0.1
Rich	2	50	175	475	2.71	0.5	1.0
Summit	3	75	150	150	1.00	0.4	0.3
Weber	1	25	25	0	0.00	0.1	0.0
Regional total	26	650	2,628	1,325	0.50	6.8	2.9
Central Region							
Juab	13	325	699	425	0.61	1.8	0.9
Salt Lake	1	25	50	0	0.00	0.1	0.0
Sanpete	9	225	2,348	275	0.12	6.0	0.6
Tooele	32	799	2,648	2,148	0.81	6.8	4.7
Utah	34	849	3,697	3,147	0.85	9.5	6.9
Wasatch	3	75	200	75	0.38	0.5	0.2
Regional total	92	2,298	9,642	6,070	0.63	24.8	13.2
Southern Region							
Beaver	7	175	1,299	2,048	1.58	3.3	4.5
Garfield	3	75	500	724	1.45	1.3	1.6
Iron	11	275	1,124	749	0.67	2.9	1.6
Kane	1	25	175	250	1.43	0.5	0.5
Millard	10	250	600	674	1.12	1.5	1.5
Piute	2	50	50	75	1.50	0.1	0.2
Sevier	3	75	225	25	0.11	0.6	0.1
Washington	10	250	2,178	3,073	1.41	5.6	6.7
Wayne	5	125	575	799	1.39	1.5	1.7
Regional total	52	1,300	6,726	8,417	1.25	17.3	18.3
Northeastern Region							
Daggett	3	75	450	799	1.78	1.2	1.7
Duchesne	28	699	2,498	6,770	2.71	6.4	14.7
Uintah	35	874	4,272	6,495	1.52	11.0	14.1
Regional total	66	1,648	7,220	14,064	1.95	18.6	30.6
Southeastern Region							
Carbon	21	525	4,946	6,869	1.39	12.7	15.0
Emery	18	450	4,222	3,272	0.77	10.9	7.1
Grand	4	100	250	350	1.40	0.6	0.8
San Juan	12	300	1,174	2,098	1.79	3.0	4.6
Regional total	55	1,375	10,592	12,589	1.19	27.2	27.4
Unknown	16	400	2,078	3,437	1.65	5.3	7.5
Statewide total*	272	6,794	38,886	45,902	1.18	100.0	100.0

\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties.

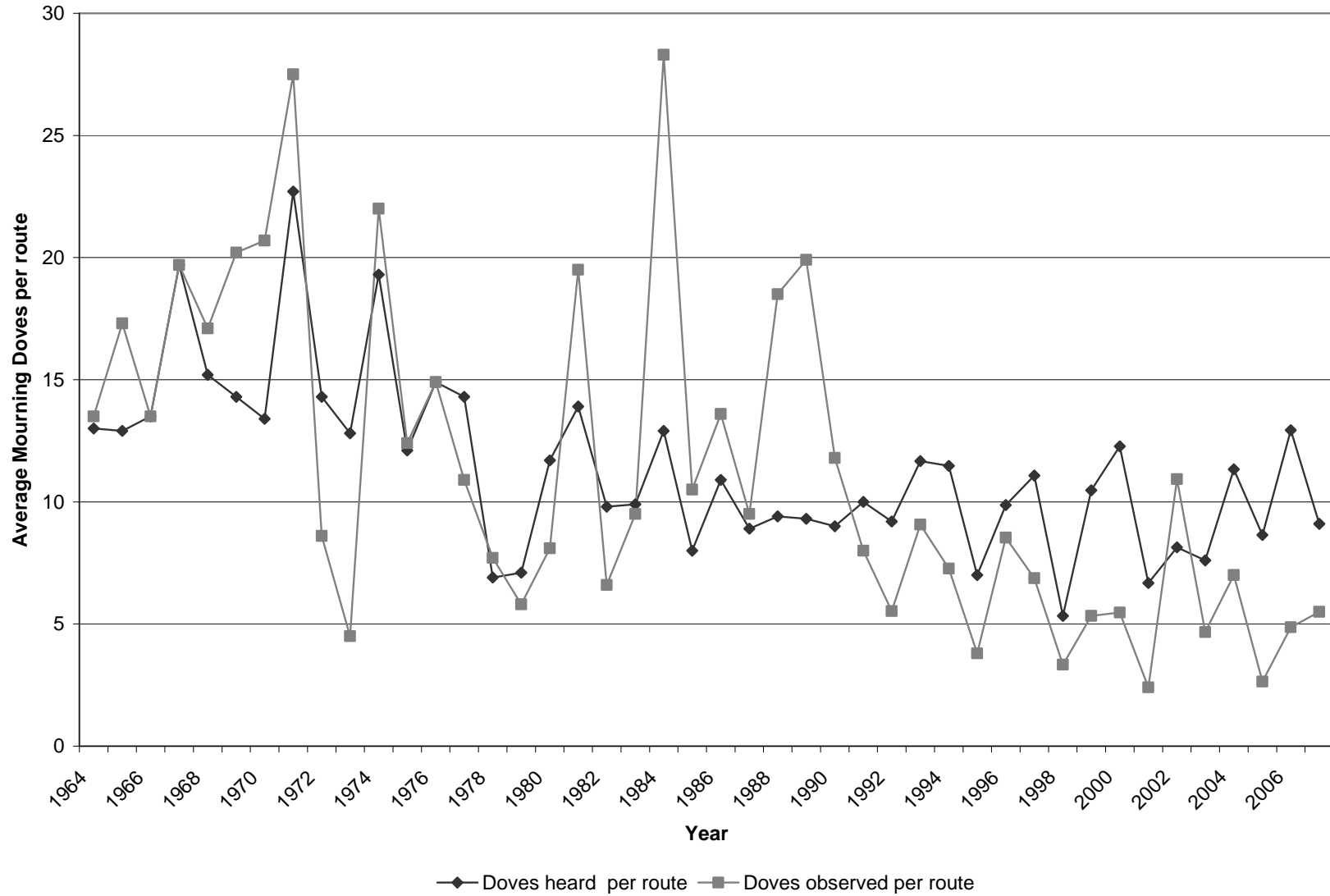
Statewide cottontail rabbit harvest statistics, Utah 1967–2007.

Year	Total hunters	Total harvest	Hunter-days afield	Rabbits / hunter-day	Rabbits / hunter
1967	23,249	181,812	92,681	1.96	7.82
1968	26,889	225,450	93,126	2.42	8.38
1969	29,760	184,034	119,596	1.54	6.18
1970	24,486	195,248	103,725	1.88	7.97
1971	30,824	239,511	145,287	1.65	7.77
1972	22,835	155,102	105,941	1.46	6.79
1973	20,109	88,603	87,036	1.02	4.41
1974	22,737	86,506	85,499	1.01	3.80
1975	24,803	154,182	116,707	1.32	6.22
1976	28,239	235,952	126,737	1.86	8.36
1977	35,831	269,263	157,257	1.71	7.51
1978	35,590	401,071	163,019	2.46	11.27
1979	33,385	200,223	127,497	1.57	6.00
1980	25,156	127,652	87,051	1.47	5.07
1981	25,906	149,765	104,183	1.44	5.78
1982	26,714	156,696	105,644	1.48	5.87
1983	22,467	180,767	96,151	1.88	8.05
1984	18,616	69,186	67,643	1.02	3.72
1985	14,059	31,397	48,371	0.65	2.23
1986	13,992	40,636	48,694	0.83	2.90
1987	20,322	110,411	77,047	1.43	5.43
1988	24,076	150,386	97,190	1.55	6.25
1989	22,878	120,075	91,264	1.32	5.25
1990	23,070	127,389	93,515	1.36	5.52
1991	21,137	111,407	82,772	1.35	5.27
1992	20,509	117,454	83,154	1.41	5.73
1993	17,578	64,400	77,968	0.83	3.66
1994	12,709	47,322	53,175	0.89	3.72
1995	13,840	67,295	58,042	1.16	4.86
1996	14,470	82,803	63,943	1.29	5.72
1997	12,263	61,109	52,587	1.16	4.98
1998	10,585	57,137	45,947	1.24	5.40
1999	15,475	66,142	54,894	1.20	4.27
2000	15,797	62,330	60,895	1.02	3.95
2001	8,620	54,506	60,401	0.90	6.32
2002	7,483	35,320	36,994	0.95	4.72
2003	8,685	45,210	45,693	0.99	5.21
2004	6,358	30,586	28,828	1.06	4.81
2005	12,575	98,827	85,059	1.16	7.86
2006	7,401	64,476	43,334	1.49	8.71
2007	6,794	45,902	38,886	1.18	6.76
Total (1967–2007)	808,272	4,993,543	3,413,433	—	—
Average (1967–2006)	20,037	123,691	84,364	1.47	6.17
% change from previous year	-8	-29	-10	-21	-22
% change from average	-66	-63	-54	-19	9

# DOVE



Mourning Dove breeding density index trend, Utah 1964–2007.



Summary of Mourning Dove call-count surveys by county and region, Utah 2007.

Region and county	Route number	Doves heard / route	Doves observed / route
Northern Region			
Box Elder	R1500	18	12
Summit	R1020	0	5
Regional total		18	17
Central Region			
Juab	R2830	34	6
Regional total		34	6
Southern Region			
Beaver	R3820	10	11
Garfield	R1090	7	0
Iron	R4001	20	7
Millard	R3640	4	1
Sevier-Sanpete	R0370	5	15
Washington	R4311	10	0
Wayne-Sevier	R0660	1	0
Regional total		57	34
Northeastern Region			
Duchesne	R0080	3	0
Uintah	R0220	9	1
Regional total		12	1
Southeastern Region			
Emery	R0540	6	13
San Juan	R1171	2	10
San Juan	R1452	7	1
Regional total		15	24
Statewide total		136	82
Statewide average		9.1	5.5
Previous year average		12.9	4.9
% change from previous year		-30	12

Statewide trends of Mourning Dove call-count surveys, Utah 1964–2007.

Year	Doves heard / route	Calls heard / route	Doves observed / route
1964	13.0	73.4	13.5
1965	12.9	49.3	17.3
1966	13.5	67.5	13.5
1967	19.7	79.5	19.7
1968	15.2	82.7	17.1
1969	14.3	80.7	20.2
1970	13.4	54.3	20.7
1971	22.7	83.6	27.5
1972	14.3	55.7	8.6
1973	12.8	46.3	4.5
1974	19.3	74.8	22.0
1975	12.1	31.0	12.4
1976	14.9	69.5	14.9
1977	14.3	51.1	10.9
1978	6.9	25.5	7.7
1979	7.1	28.1	5.8
1980	11.7	49.6	8.1
1981	13.9	66.9	19.5
1982	9.8	42.1	6.6
1983	9.9	43.2	9.5
1984	12.9	58.7	28.3
1985	8.0	32.2	10.5
1986	10.9	46.6	13.6
1987	8.9	36.2	9.5
1988	9.4	42.4	18.5
1989	9.3	43.5	19.9
1990	9.0	53.9	11.8
1991	10.0	—	8.0
1992	9.2	—	5.5
1993	11.7	—	9.1
1994	11.5	—	7.3
1995	7.0	—	3.8
1996	9.9	—	8.5
1997	11.1	—	6.9
1998	5.3	—	3.3
1999	10.5	—	5.3
2000	12.3	—	5.5
2001	6.7	—	2.4
2002	8.1	—	10.9
2003	7.6	—	4.7
2004	11.3	—	7.0
2005	8.6	—	2.6
2006	12.9	—	4.9
2007	9.1	—	5.5
Average (1964–2006)	11.4	54.4	11.2
% change from previous year	-29.6	—	13.0
% change from average	-20.4	—	-50.9

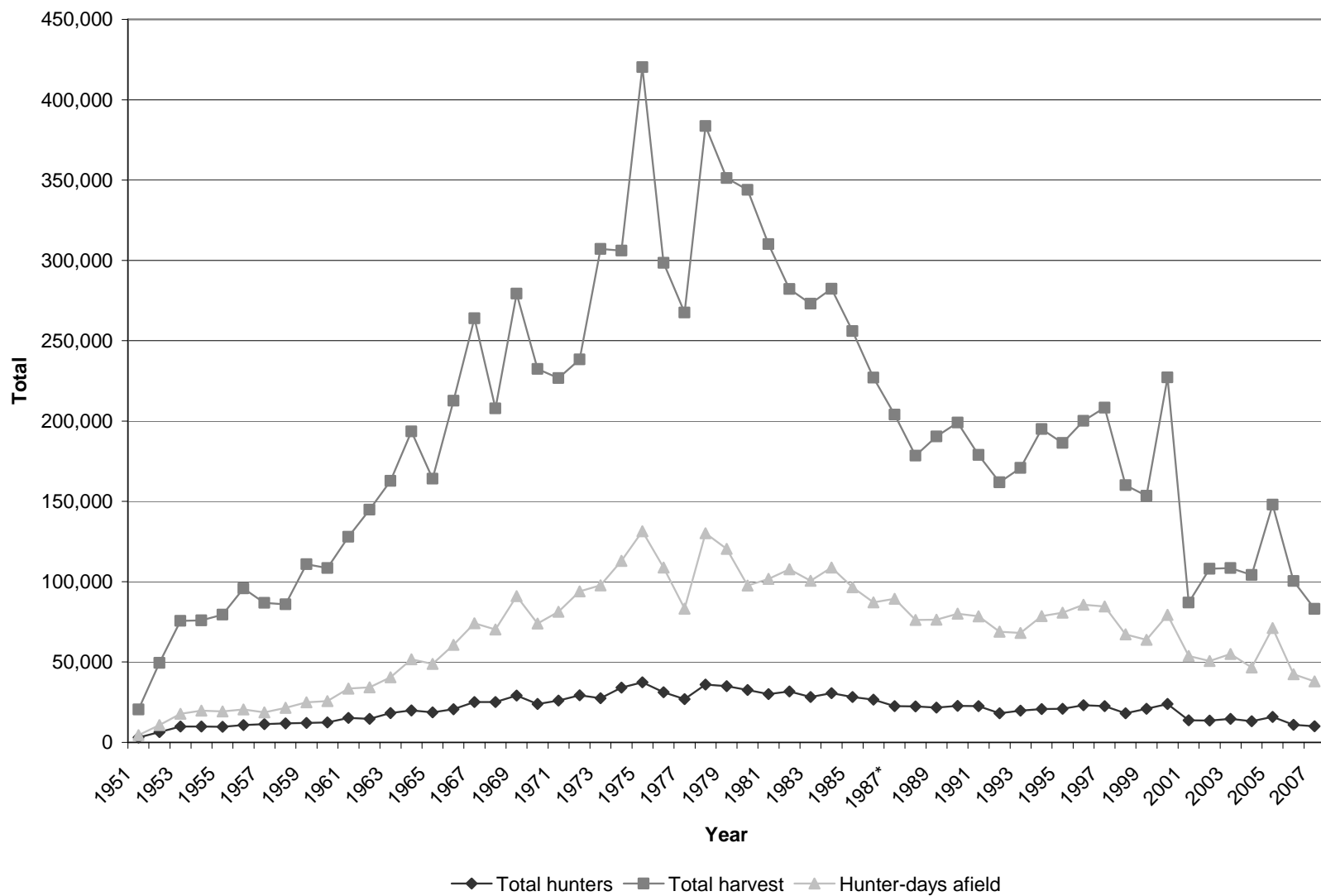
Mourning Dove breeding population trend based on random call-count surveys, Utah 1997–2007.

Region and county	Route number	Number of Mourning Doves heard / route									
		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Northern Region											
Box Elder	R1500	—	3	3	6	0	5	14	13	11	18
Summit	R1020	3	5	1	1	6	6	7	2	3	0
Regional total		3	8	4	7	6	11	21	15	14	18
Central Region											
Juab	R2830	—	47	37	34	15	9	37	34	38	34
Regional total		0	47	37	34	15	9	37	34	38	34
Southern Region											
Beaver	R3820	5	5	22	2	12	1	7	2	8	10
Garfield	R1090	0	0	13	1	2	2	5	3	18	7
Iron	R4001	26	24	26	20	21	17	27	23	41	20
Millard	R3640	8	3	7	0	3	4	1	—	6	4
Sevier-Sanpete	R0370	4	5	6	5	5	6	6	4	4	5
Washington	R4311	1	2	5	4	2	7	7	11	5	10
Wayne-Sevier	R0660	0	8	27	1	8	11	3	0	3	1
Regional total		44	47	106	33	53	48	56	43	85	57
Northeastern Region											
Duchesne	R0080	4	12	5	4	12	12	12	3	11	3
Uintah	R0220	1	7	2	4	13	8	6	15	14	9
Regional total		5	19	7	8	25	20	18	18	25	12
Southeastern Region											
Emery	R0540	17	8	4	10	—	5	10	3	2	6
San Juan	R1171	10	27	22	5	13	17	15	1	20	2
San Juan	R1451/R1452	1	1	4	3	2	4	13	7	10	7
Regional total		28	36	30	18	15	26	38	11	32	15
Statewide total		80	157	184	100	114	114	170	121	194	136
Statewide average		6.2	10.5	12.3	6.7	8.1	7.6	11.3	8.6	12.9	9.1
% change from previous year		-44	70	17	-46	22	-7	49	-24	50	-30

\*Route R1451 was discontinued after 2003 and replaced with route R1452.

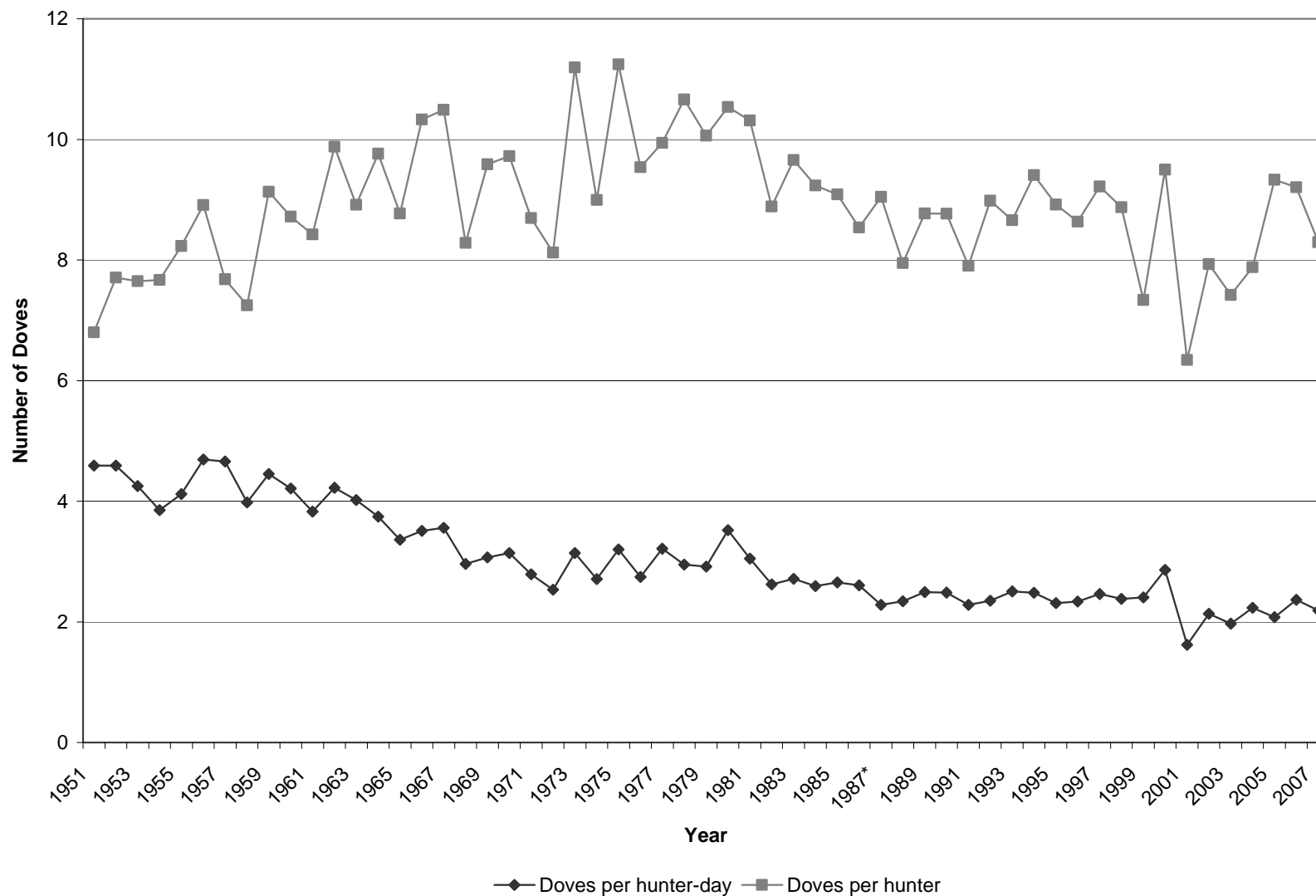


Statewide trends of Dove harvest statistics, Utah 1951–2007.



\*Beginning in 2005, hunters were allowed to harvest Mourning Doves, White-winged Doves, and Eurasian-collared Doves. Harvest numbers for those years include all species.

Statewide trends of Dove hunter success, Utah 1951–2007.



\* Beginning in 2005, hunters were allowed to harvest Mourning Doves, White-winged Doves, and Eurasian-collared Doves. Harvest numbers for those years include all species.

Dove harvest statistics by region and county, Utah 2007.

Region and county	n	Hunters afield	Hunter-days afield	Doves bagged	Doves / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	29	724	3,797	6,020	1.59	10.0	7.2
Cache	18	450	1,624	1,824	1.12	4.3	2.2
Davis	6	150	774	1,824	2.36	2.0	2.2
Morgan	6	150	275	325	1.18	0.7	0.4
Rich	1	25	100	125	1.25	0.3	0.2
Summit	3	75	150	0	0.00	0.4	0.0
Weber	19	475	1,824	3,297	1.81	4.8	4.0
Regional total	82	2,049	8,544	13,415	1.57	22.5	16.1
Central Region							
Juab	32	799	2,173	7,444	3.43	5.7	9.0
Salt Lake	9	225	849	1,499	1.77	2.2	1.8
Sanpete	19	475	924	2,298	2.49	2.4	2.8
Tooele	38	949	3,222	5,518	1.71	8.5	6.6
Utah	93	2,323	6,170	16,162	2.62	16.2	19.4
Wasatch	1	25	100	300	3.00	0.3	0.4
Regional total	192	4,796	13,438	33,221	2.47	35.4	40.0
Southern Region							
Beaver	16	400	1,998	3,247	1.63	5.3	3.9
Garfield	4	100	425	525	1.24	1.1	0.6
Iron	11	275	1,024	2,998	2.93	2.7	3.6
Kane	2	50	75	0	0.00	0.2	0.0
Millard	41	1,024	3,297	11,091	3.36	8.7	13.3
Piute	2	50	150	350	2.33	0.4	0.4
Sevier	20	500	1,898	1,973	1.04	5.0	2.4
Washington	15	375	1,724	5,545	3.22	4.5	6.7
Wayne	3	75	325	400	1.23	0.9	0.5
Regional total	114	2,849	10,916	26,129	2.39	28.7	31.4
Northeastern Region							
Daggett	2	50	75	0	0.00	0.2	0.0
Duchesne	7	175	350	1,898	5.42	0.9	2.3
Uintah	10	250	500	999	2.00	1.3	1.2
Regional total	19	475	925	2,897	3.13	2.4	3.5
Southeastern Region							
Carbon	4	100	375	250	0.67	1.0	0.3
Emery	8	200	1,274	1,499	1.18	3.4	1.8
Grand	2	50	100	75	0.75	0.3	0.1
San Juan	6	150	575	450	0.78	1.5	0.5
Regional total	20	500	2,324	2,274	0.98	6.1	2.7
Unknown	19	475	1,824	5,163	2.83	4.8	6.2
Statewide total*	401	10,017	37,971	83,099	2.19	100.0	100.0

\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties.

\*\*Hunters were allowed to harvest Mourning Doves, White-winged Doves, and Eurasian-collared Doves. Harvest numbers include all species.

Statewide Dove harvest statistics, Utah 1951–2007.

Year	Total hunters	Total harvest	Hunter-days afield	Doves / hunter-day	Doves / hunter
1951	3,007	20,448	4,455	4.59	6.80
1952	6,420	49,498	10,784	4.59	7.71
1953	9,887	75,636	17,797	4.25	7.65
1954	9,901	75,941	19,724	3.85	7.67
1955	9,653	79,444	19,282	4.12	8.23
1956	10,744	95,729	20,411	4.69	8.91
1957	11,298	86,769	18,620	4.66	7.68
1958	11,853	85,934	21,591	3.98	7.25
1959	12,142	110,856	24,911	4.45	9.13
1960	12,440	108,477	25,766	4.21	8.72
1961	15,192	128,001	33,434	3.83	8.43
1962	14,663	144,826	34,281	4.22	9.88
1963	18,258	162,769	40,490	4.02	8.91
1964	19,829	193,538	51,671	3.75	9.76
1965	18,710	164,087	48,835	3.36	8.77
1966	20,594	212,696	60,608	3.51	10.33
1967	25,161	263,949	74,171	3.56	10.49
1968	25,105	207,922	70,186	2.96	8.28
1969	29,131	279,311	90,965	3.07	9.59
1970	23,908	232,469	73,984	3.14	9.72
1971	26,064	226,645	81,271	2.79	8.70
1972	29,341	238,354	94,046	2.53	8.12
1973	27,435	307,062	97,788	3.14	11.19
1974	34,021	306,076	112,967	2.71	9.00
1975	37,378	420,308	131,312	3.20	11.24
1976	31,293	298,505	108,780	2.74	9.54
1977	26,905	267,487	83,218	3.21	9.94
1978	35,985	383,696	130,173	2.95	10.66
1979	34,903	351,161	120,459	2.92	10.06
1980	32,627	343,851	97,644	3.52	10.54
1981	30,060	310,068	101,728	3.05	10.31
1982	31,756	282,188	107,728	2.62	8.89
1983	28,258	272,979	100,568	2.71	9.66
1984	30,573	282,307	108,793	2.59	9.23
1985	28,183	256,045	96,507	2.65	9.09

\*Bag limit increased to 15 in 1982, and then reduced to 10 in 1987.

\*\*Beginning in 2005, hunters were allowed to harvest Mourning Doves, White-winged Doves, and Eurasian-collared Doves. Harvest numbers include all species.

Statewide Dove harvest statistics, Utah 1951–2007 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Doves / hunter-day	Doves / hunter
1986	26,583	226,985	87,084	2.61	8.54
1987	22,553	204,030	89,378	2.28	9.05
1988	22,457	178,469	76,219	2.34	7.95
1989	21,696	190,328	76,372	2.49	8.77
1990	22,700	199,007	80,076	2.49	8.77
1991	22,632	178,853	78,405	2.28	7.90
1992	18,021	161,902	68,937	2.35	8.98
1993	19,725	170,834	68,143	2.51	8.66
1994	20,743	195,089	78,594	2.48	9.41
1995	20,896	186,336	80,688	2.31	8.92
1996	23,180	200,167	85,613	2.34	8.64
1997	22,594	208,331	84,638	2.46	9.22
1998	18,030	160,014	67,234	2.38	8.87
1999	20,926	153,487	63,796	2.41	7.33
2000	23,916	227,148	79,356	2.86	9.50
2001	13,715	86,998	53,736	1.62	6.34
2002	13,619	108,051	50,644	2.13	7.93
2003	14,625	108,521	55,067	1.97	7.42
2004	13,210	104,105	46,606	2.23	7.88
2005	15,849	147,903	71,138	2.08	9.33
2006	10,904	100,379	42,453	2.36	9.21
2007	10,017	83,099	37,971	2.19	8.30
Total (1951–2007)	1,191,269	10,905,068	3,857,096	—	—
Average (1951–2006)	21,094	193,249	68,199	2.83	9.16
% change from previous year	-8	-17	-11	-7	-10
% change from average	-53	-57	-44	-23	-9

\*Bag limit increased to 15 in 1982, and then reduced to 10 in 1987.

\*\*Beginning in 2005, hunters were allowed to harvest Mourning Doves, White-winged Doves, and Eurasian-collared Doves. Harvest numbers include all species.

Dove harvest by species, Utah 2006–2007.

Year	Mourning Dove		White-winged Dove		Eurasian-collared Dove		Unknown		Total harvest
	Harvest	%	Harvest	%	Harvest	%	Harvest	%	
2006	91,628	91.3	3,954	3.9	2,220	2.2	2,577	2.6	100,379
2007	73,807	88.8	1,948	2.3	2,545	3.1	4,799	5.8	83,099

# FOREST GROUSE

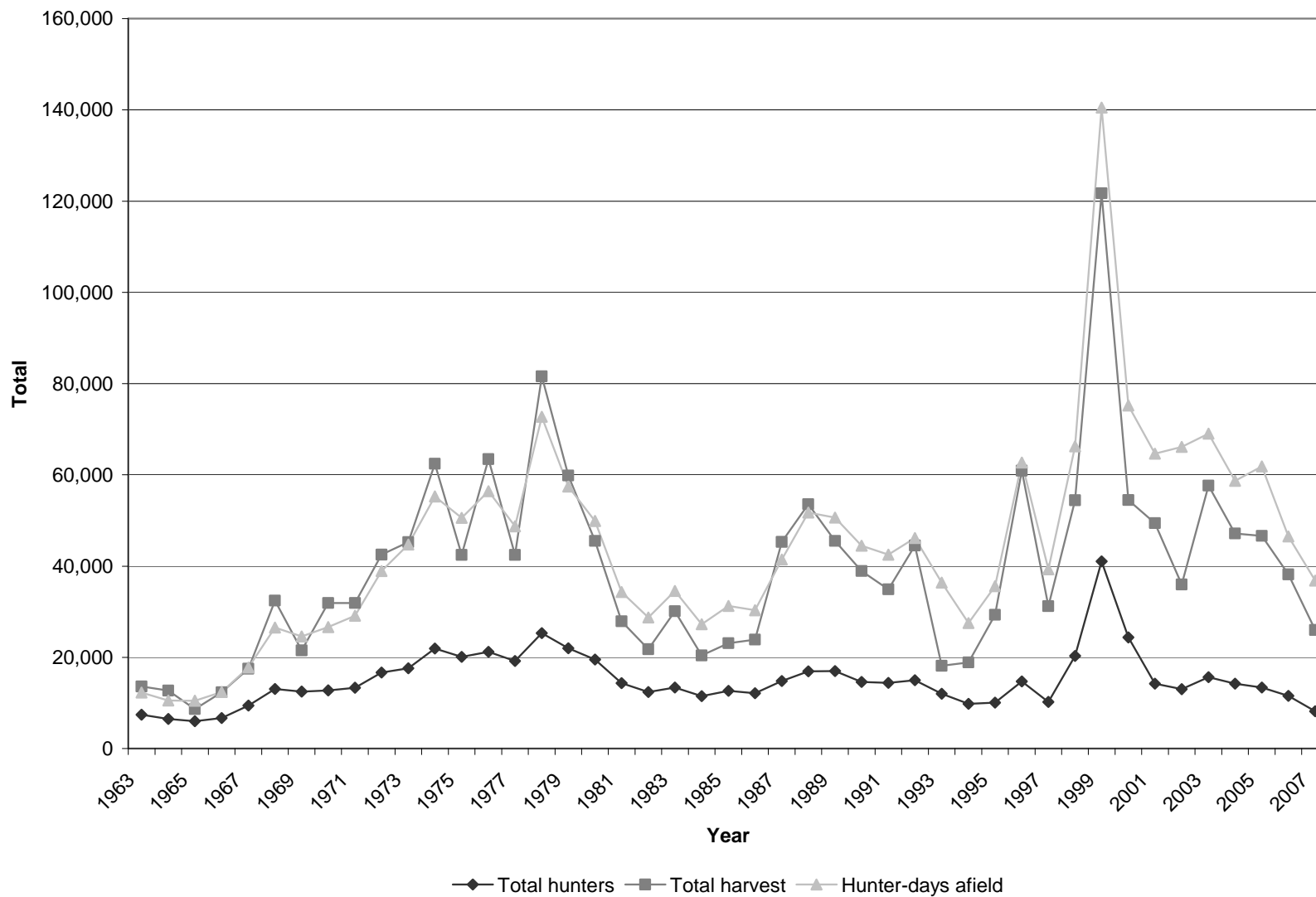
Blue Grouse



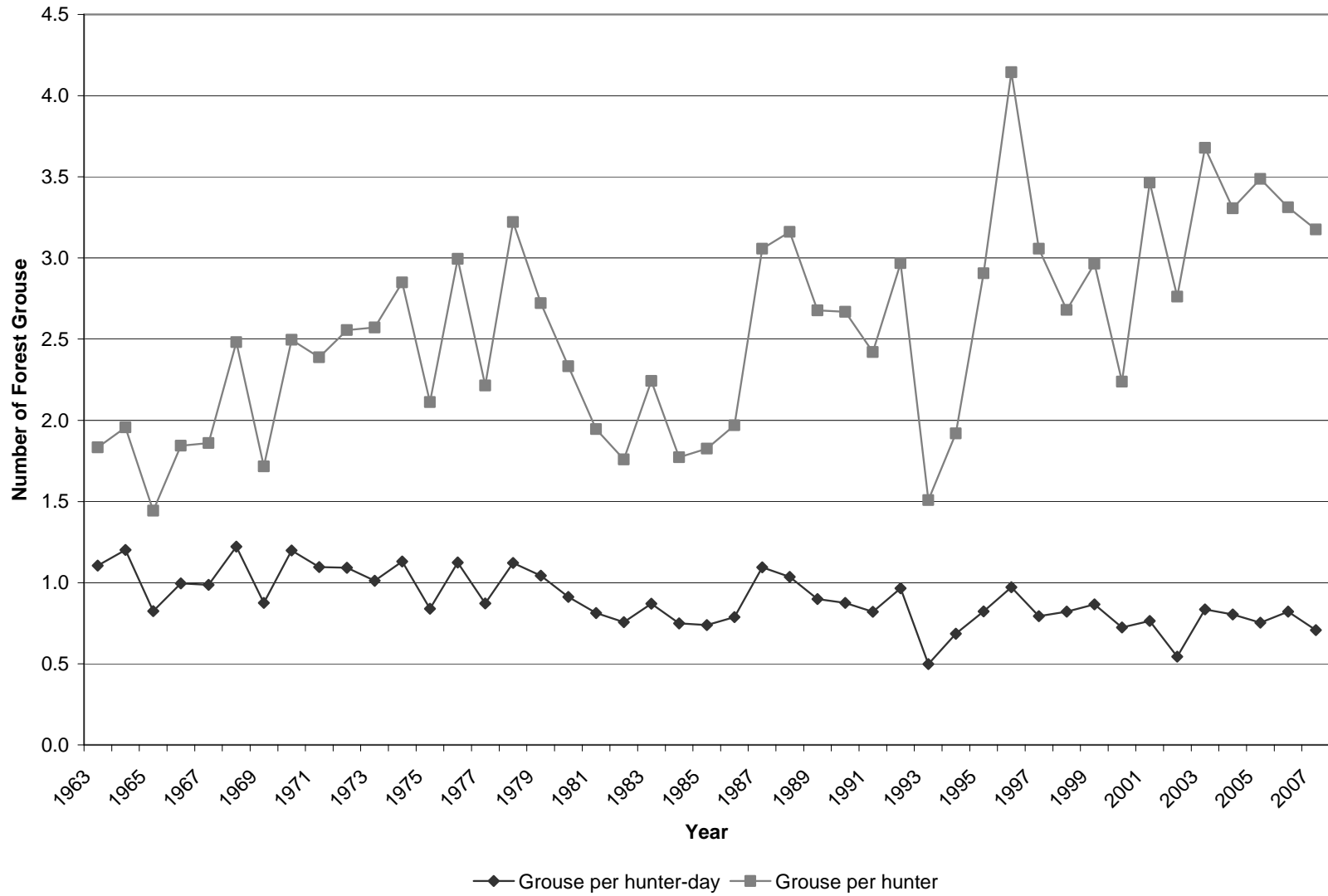
Ruffed Grouse



Statewide trends of Forest Grouse harvest statistics, Utah 1963–2007.



Statewide trends of Forest Grouse hunter success, Utah 1963–2007.





Forest Grouse harvest statistics by region and county, Utah 2007.

Region and county	n	Hunters afield	Hunter-days afield	Grouse bagged	Grouse / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	11	275	1,499	749	0.50	4.1	2.9
Cache	51	1,274	5,645	2,798	0.50	15.3	10.8
Davis	14	350	899	674	0.75	2.4	2.6
Morgan	13	325	974	899	0.92	2.6	3.5
Rich	10	250	799	600	0.75	2.2	2.3
Summit	22	550	2,098	2,398	1.14	5.7	9.2
Weber	23	575	2,048	1,549	0.76	5.6	6.0
Regional total	144	3,599	13,962	9,667	0.69	37.9	37.2
Central Region							
Juab	3	75	250	175	0.70	0.7	0.7
Salt Lake	5	125	550	50	0.09	1.5	0.2
Sanpete	14	350	949	1,249	1.32	2.6	4.8
Tooele	12	300	500	475	0.95	1.4	1.8
Utah	57	1,424	6,602	4,946	0.75	17.9	19.0
Wasatch	35	874	3,372	2,398	0.71	9.2	9.2
Regional total	126	3,148	12,223	9,293	0.76	33.2	35.7
Southern Region							
Beaver	7	175	999	799	0.80	2.7	3.1
Garfield	3	75	724	125	0.17	2.0	0.5
Iron	3	75	150	25	0.17	0.4	0.1
Kane	1	25	25	0	0.00	0.1	0.0
Millard	6	150	400	100	0.25	1.1	0.4
Piute	3	75	325	350	1.08	0.9	1.3
Sevier	13	325	1,174	974	0.83	3.2	3.7
Washington	1	25	75	125	1.67	0.2	0.5
Wayne	6	150	250	200	0.80	0.7	0.8
Regional total	43	1,075	4,122	2,698	0.65	11.2	10.4
Northeastern Region							
Daggett	7	175	350	300	0.86	1.0	1.2
Duchesne	9	225	600	649	1.08	1.6	2.5
Uintah	13	325	1,349	899	0.67	3.7	3.5
Regional total	29	725	2,299	1,848	0.80	6.2	7.1
Southeastern Region							
Carbon	9	225	724	500	0.69	2.0	1.9
Emery	5	125	1,349	475	0.35	3.7	1.8
Grand	5	125	624	75	0.12	1.7	0.3
San Juan	2	50	100	125	1.25	0.3	0.5
Regional total	21	525	2,797	1,175	0.42	7.6	4.5
Unknown	13	325	1,396	1,331	0.95	3.8	5.1
Statewide total*	328	8,193	36,799	26,012	0.71	100.0	100.0

\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties.

Statewide Forest Grouse harvest statistics, Utah 1963–2007.

Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1963	7,425	13,608	12,313	1.11	1.83
1964	6,487	12,691	10,566	1.20	1.96
1965	6,005	8,669	10,504	0.83	1.44
1966	6,683	12,321	12,387	0.99	1.84
1967	9,420	17,526	17,773	0.99	1.86
1968	13,061	32,414	26,537	1.22	2.48
1969	12,523	21,498	24,572	0.87	1.72
1970	12,775	31,898	26,619	1.20	2.50
1971	13,363	31,901	29,100	1.10	2.39
1972	16,640	42,518	38,940	1.09	2.56
1973	17,588	45,232	44,738	1.01	2.57
1974	21,920	62,439	55,258	1.13	2.85
1975	20,102	42,461	50,579	0.84	2.11
1976	21,186	63,436	56,422	1.12	2.99
1977	19,188	42,477	48,746	0.87	2.21
1978	25,318	81,558	72,732	1.12	3.22
1979	21,993	59,851	57,404	1.04	2.61
1980	19,511	45,522	49,899	0.91	2.33
1981	14,329	27,894	34,305	0.81	1.95
1982	12,384	21,778	28,767	0.76	1.76
1983	13,414	30,088	34,530	0.87	2.24
1984	11,511	20,396	27,244	0.75	1.77
1985	12,646	23,097	31,290	0.74	1.83
1986	12,117	23,869	30,312	0.79	1.97
1987	14,831	45,326	41,428	1.09	3.06
1988	16,947	53,562	51,726	1.04	3.16
1989	16,987	45,487	50,631	0.90	2.68
1990	14,591	38,922	44,452	0.83	2.53
1991	14,421	34,897	42,517	0.82	2.42
1992	15,000	44,518	46,136	0.96	2.97
1993	12,029	18,147	36,390	0.50	1.51
1994	9,827	18,862	27,510	0.68	1.92
1995	10,088	29,312	35,591	0.82	2.91
1996	14,702	60,922	62,711	0.97	4.14
1997	10,206	31,198	39,304	0.79	3.06
1998	20,310	54,439	66,256	0.82	2.68
1999	41,041	121,708	140,478	0.87	2.97
2000	24,338	54,456	75,199	0.72	2.24

Statewide Forest Grouse harvest statistics, Utah 1963–2007 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
2001	14,260	49,412	64,632	0.76	3.47
2002	13,020	35,949	66,118	0.54	2.76
2003	15,669	57,633	69,032	0.83	3.68
2004	14,259	47,130	58,672	0.80	3.31
2005	13,371	46,631	61,866	0.75	3.49
2006	11,532	38,201	46,504	0.82	3.31
2007	8,193	26,012	36,799	0.71	3.17
Total (1963–2007)	673,209	1,767,866	1,995,489	—	—
Average (1963–2006)	15,114	39,588	44,516	0.89	2.62
% change from previous year	-29	-32	-21	-14	-4
% change from average	-46	-34	-17	-21	21

Forest Grouse harvest by species, Utah 1963–2007.

Year	Ruffed grouse		Blue grouse		Unknown grouse		Total harvest
	Harvest	%	Harvest	%	Harvest	%	
1963	5,470	40.2	7,372	54.2	766	5.6	13,608
1964	5,354	42.2	6,685	52.7	652	5.1	12,691
1965	3,225	37.2	4,924	56.8	520	6.0	8,669
1966	6,966	56.5	4,659	37.8	696	5.6	12,321
1967	8,476	48.4	6,773	38.6	2,277	13.0	17,526
1968	17,048	52.6	12,604	38.9	2,762	8.5	32,414
1969	9,490	44.1	10,419	48.5	1,589	7.4	21,498
1970	15,590	48.9	13,515	42.4	2,793	8.8	31,898
1971	15,759	49.4	13,749	43.1	2,393	7.5	31,901
1972	20,648	48.6	19,221	45.2	2,649	6.2	42,518
1973	7,153	15.8	36,846	81.5	1,233	2.7	45,232
1974	24,561	39.3	32,236	51.6	5,642	9.0	62,439
1975	15,750	37.1	23,138	54.5	3,573	8.4	42,461
1976	23,551	37.1	35,660	56.2	4,225	6.7	63,436
1977	15,766	37.1	23,455	55.2	3,256	7.7	42,477
1978	30,340	37.2	46,651	57.2	4,567	5.6	81,558
1979	23,156	38.7	33,070	55.3	3,625	6.1	59,851
1980	15,457	34.0	27,588	60.6	2,477	5.4	45,522
1981	8,557	30.7	17,852	64.0	1,485	5.3	27,894
1982	7,509	34.5	12,138	55.7	2,131	9.8	21,778
1983	11,366	37.8	16,955	56.4	1,767	5.9	30,088
1984	6,780	33.2	12,647	62.0	969	4.8	20,396
1985	8,701	37.7	13,416	58.1	980	4.2	23,097
1986	8,819	36.9	14,156	59.3	894	3.7	23,869
1987	15,811	34.9	28,068	61.9	1,447	3.2	45,326
1988	19,100	35.7	31,556	58.9	2,906	5.4	53,562
1989	16,323	35.9	27,794	61.1	1,370	3.0	45,487
1990	11,010	28.3	26,115	67.1	1,797	4.6	38,922
1991	12,073	34.6	21,310	61.1	1,514	4.3	34,897
1992	15,017	33.7	29,146	65.5	355	0.8	44,518
1993	6,650	36.6	11,040	60.8	457	2.5	18,147
1994	6,908	36.6	11,865	62.9	89	0.5	18,862
1995	13,140	44.8	16,172	55.2	0	0.0	29,312
1996	29,567	48.5	31,355	51.5	0	0.0	60,922
1997	14,861	47.6	16,337	52.4	0	0.0	31,198
1998	12,586	23.1	14,773	27.1	27,080	49.7	54,439
1999	32,018	26.3	28,741	23.6	60,949	50.1	121,708
2000	28,797	52.9	24,321	44.7	1,338	2.5	54,456

Forest Grouse harvest by species, Utah 1963–2007.

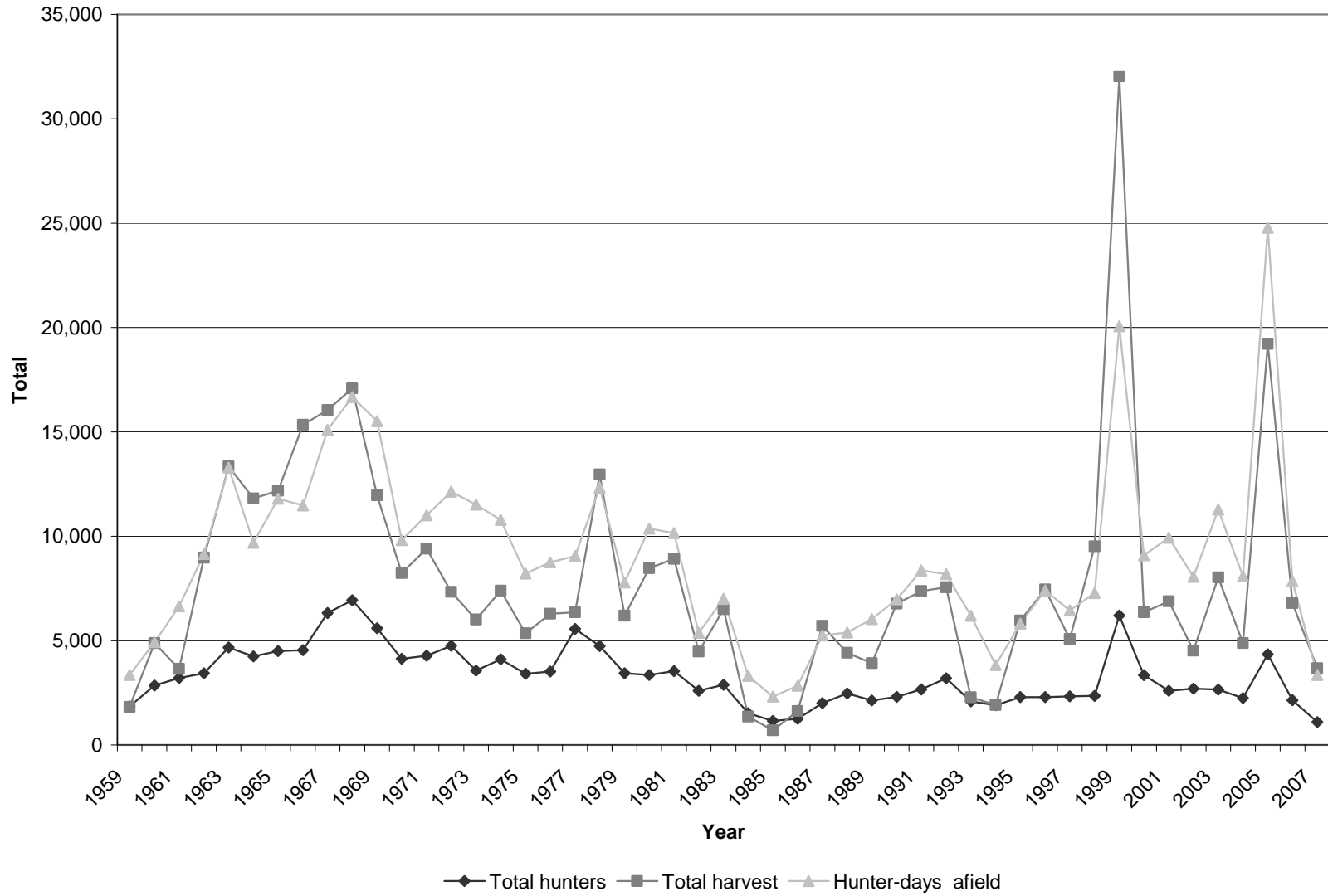
Year	Ruffed grouse		Blue grouse		Unknown grouse		Total harvest
	Harvest	%	Harvest	%	Harvest	%	
2001	24,257	49.1	23,905	48.4	1,250	2.5	49,412
2002	16,253	45.2	17,151	47.7	2,543	7.1	35,947
2003	26,716	46.4	30,071	52.2	846	1.5	57,633
2004	22,400	47.5	23,923	50.8	806	1.7	47,129
2005	17,068	36.6	25,367	54.4	4,196	9.0	46,631
2006	15,154	39.7	21,784	57.0	1,263	3.3	38,201
2007	12,064	46.4	11,990	46.1	1,958	7.5	26,012
Total (1963–2007)	683,265	—	918,513	—	166,085	—	1,767,863
Average (1963–2006)	15,255	38.5	20,603	52.0	3,730	9.4	39,588
% change from previous year	-20	17	-45	-19	55	128	-32
% change from average	-21	20	-42	-11	-48	-20	-34

# HUNGARIAN PARTRIDGE



CLARK BRONSON

Statewide trends of Hungarian Partridge harvest statistics, Utah 1959–2007.



Statewide trends of Hungarian Partridge hunter success, Utah 1959–2007.





Hungarian Partridge harvest statistics by region and county, Utah 2007.

Region and county	n	Hunters afield	Hunter-days afield	Partridges bagged	Partridges / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	21	525	1,374	1,399	1.02	40.9	38.0
Cache	13	325	899	799	0.89	26.8	21.7
Davis	0	0	0	0	—	0.0	0.0
Morgan	1	25	75	0	0.00	2.2	0.0
Rich	3	75	275	200	0.73	8.2	5.4
Summit	0	0	0	0	—	0.0	0.0
Weber	1	25	175	600	3.43	5.2	16.3
Regional total	39	975	2,798	2,998	1.07	83.3	81.4
Central Region							
Juab	0	0	0	0	—	0.0	0.0
Salt Lake	0	0	0	0	—	0.0	0.0
Sanpete	1	25	50	0	0.00	1.5	0.0
Tooele	2	50	125	175	1.40	3.7	4.8
Utah	0	0	0	0	—	0.0	0.0
Wasatch	0	0	0	0	—	0.0	0.0
Regional total	3	75	175	175	1.00	5.2	4.8
Southern Region							
Beaver	0	0	0	0	—	0.0	0.0
Garfield	0	0	0	0	—	0.0	0.0
Iron	0	0	0	0	—	0.0	0.0
Kane	0	0	0	0	—	0.0	0.0
Millard	2	50	175	150	0.86	5.2	4.1
Piute	0	0	0	0	—	0.0	0.0
Sevier	0	0	0	0	—	0.0	0.0
Washington	0	0	0	0	—	0.0	0.0
Wayne	0	0	0	0	—	0.0	0.0
Regional total	2	50	175	150	0.86	5.2	4.1
Northeastern Region							
Daggett	0	0	0	0	—	0.0	0.0
Duchesne	0	0	0	0	—	0.0	0.0
Uintah	0	0	0	0	—	0.0	0.0
Regional total	0	0	0	0	—	0.0	0.0
Southeastern Region							
Carbon	0	0	0	0	—	0.0	0.0
Emery	0	0	0	0	—	0.0	0.0
Grand	0	0	0	0	—	0.0	0.0
San Juan	0	0	0	0	—	0.0	0.0
Regional total	0	0	0	0	—	0.0	0.0
Unknown	3	75	210	360	1.71	6.3	9.8
Statewide total*	44	1,099	3,358	3,683	1.10	100.0	100.0

\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties.

Statewide Hungarian Partridge harvest statistics, Utah 1955–2007.

Year	Total hunters	Total harvest	Hunter-days afield	Partridges / hunter-day	Partridges / hunter
1955	—	—	—	—	0.39
1956	—	—	—	—	0.89
1957	—	—	—	—	0.45
1958	—	—	—	—	1.34
1959	1,846	1,820	3,354	0.54	0.99
1960	2,847	4,877	4,929	0.99	1.71
1961	3,205	3,648	6,645	0.54	1.13
1962	3,440	8,970	9,153	0.98	2.61
1963	4,676	13,343	13,291	1.00	2.85
1964	4,249	11,812	9,688	1.22	2.78
1965	4,498	12,183	11,798	1.03	2.71
1966	4,549	15,348	11,473	1.34	3.37
1967	6,321	16,049	15,105	1.06	2.54
1968	6,935	17,089	16,674	1.02	2.46
1969	5,591	11,966	15,515	0.77	2.14
1970	4,128	8,236	9,818	0.84	2.00
1971	4,276	9,407	11,011	0.85	2.20
1972	4,754	7,335	12,135	0.60	1.54
1973	3,566	6,014	11,516	0.52	1.69
1974	4,103	7,389	10,789	0.68	1.80
1975	3,409	5,358	8,216	0.65	1.57
1976	3,517	6,287	8,753	0.72	1.79
1977	5,557	6,360	9,058	0.70	1.79
1978	4,743	12,969	12,328	1.05	2.73
1979	3,435	6,200	7,787	0.80	1.80
1980	3,359	8,466	10,366	0.82	2.52
1981	3,545	8,916	10,147	0.88	2.52
1982	2,590	4,475	5,379	0.83	1.73
1983	2,889	6,506	6,998	0.93	2.25
1984	1,523	1,360	3,309	0.41	0.89
1985	1,157	707	2,314	0.31	0.61
1986	1,257	1,627	2,843	0.57	1.30
1987	2,010	5,711	5,246	1.09	2.53
1988	2,471	4,424	5,392	0.82	1.79
1989	2,136	3,920	6,035	0.65	1.83
1990	2,305	6,770	6,976	0.97	2.94

Statewide Hungarian Partridge harvest statistics, Utah 1955–2007 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Partridges / hunter-day	Partridges / hunter
1991	2,662	7,376	8,367	0.88	2.77
1992	3,198	7,553	8,192	0.92	2.36
1993	2,090	2,280	6,194	0.37	1.09
1994	1,899	1,916	3,832	0.50	1.01
1995	2,294	5,967	5,812	1.03	2.60
1996	2,299	7,455	7,409	1.01	3.24
1997	2,328	5,071	6,443	0.79	2.18
1998	2,350	9,515	7,281	1.31	4.05
1999	6,211	32,036	20,063	1.60	5.16
2000	3,349	6,355	9,096	0.70	1.90
2001	2,596	6,889	9,933	0.69	2.65
2002	2,694	4,520	8,052	0.56	1.68
2003	2,656	8,030	11,283	0.71	3.02
2004	2,253	4,877	8,087	0.60	2.16
2005	4,345	19,214	24,783	0.78	4.42
2006	2,148	6,798	7,850	0.87	3.16
2007	1,099	3,683	3,358	1.10	3.35
Totals (1955–2007)	161,358	385,077	440,076	—	—
Average (1955–2006)	3,339	7,946	9,098	0.87	2.38
% change from previous year	-49	-46	-57	27	6
% change from average	-67	-54	-63	26	41

# QUAIL

California Quail



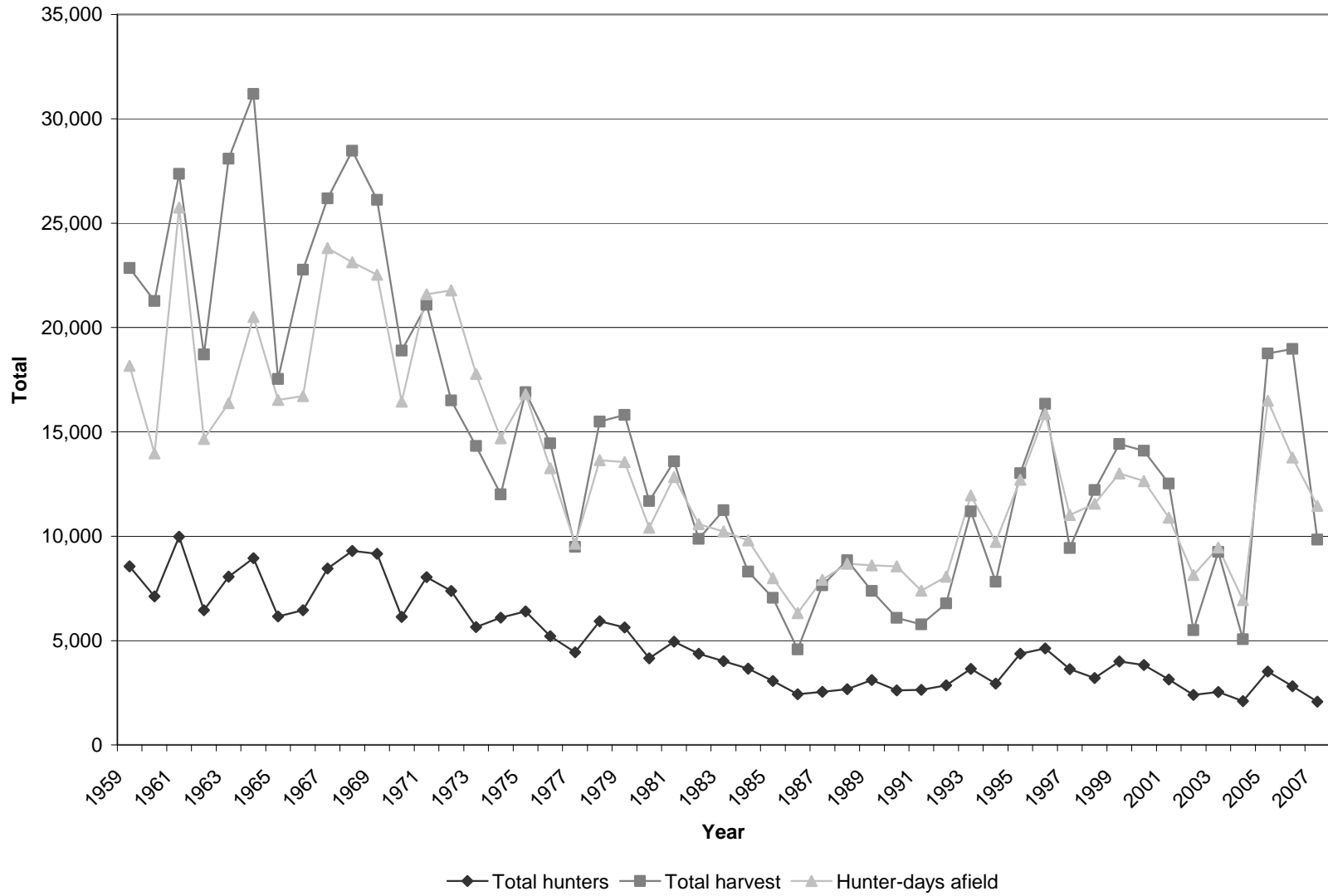
Gambel's Quail



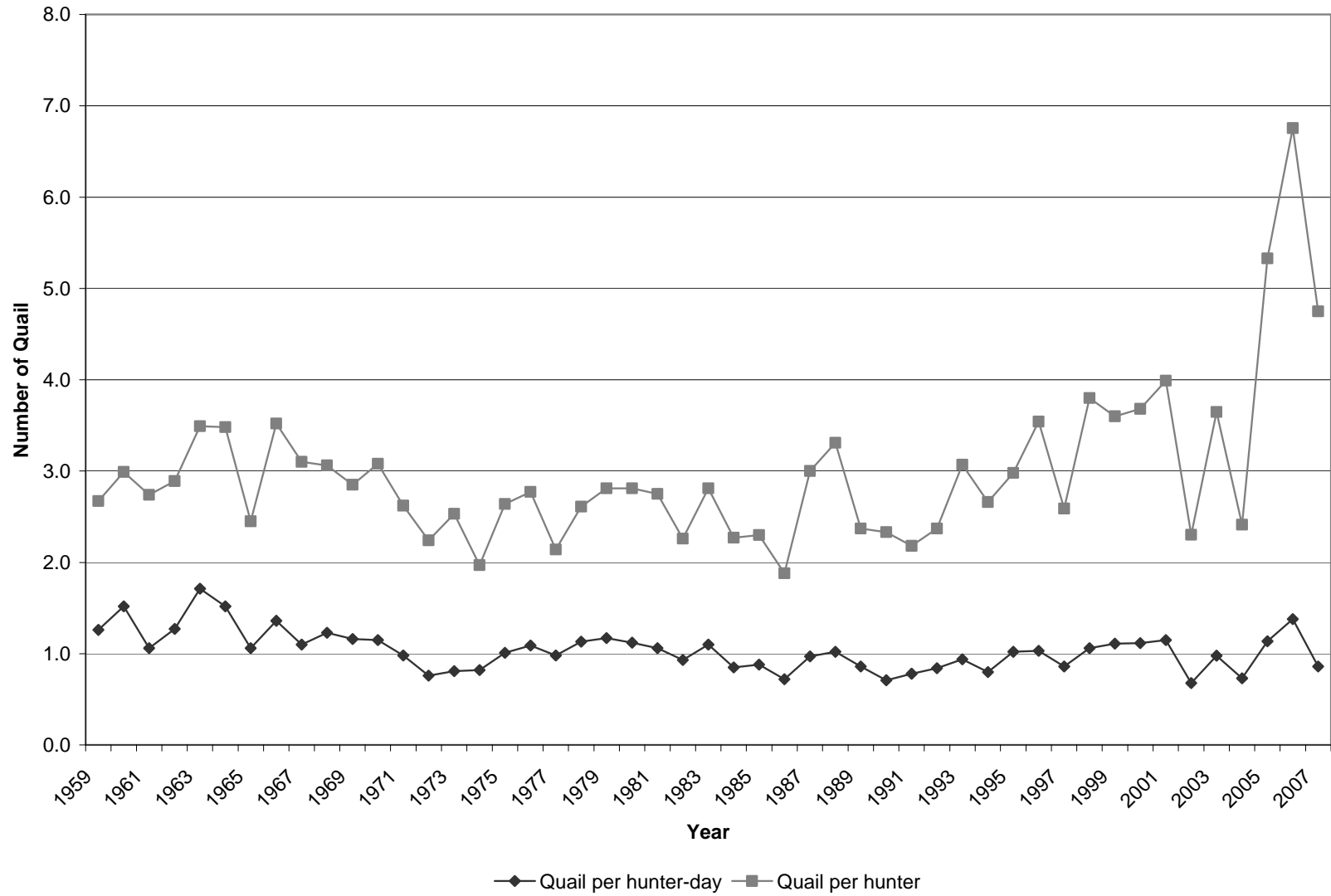
Gambel's Quail waterhole trend counts, west slope of Beaver Dam Mountains, Washington County, Utah 1980–2007.

Year	Total young	Total adults	Total Quail	Young / 100 adults
1980	72	52	124	138
1981	37	25	62	148
1982	85	33	118	258
1983	114	14	128	814
1984	166	86	252	193
1985	47	11	58	427
1986	163	48	211	340
1987	348	139	487	250
1988	59	47	106	126
1989	35	18	53	194
1990	33	9	42	367
1991	208	35	243	594
1992	415	128	543	324
1993	465	158	623	294
1994	135	102	237	132
1995	33	17	50	194
1996	—	—	—	—
1997	61	21	82	290
1998	236	30	266	787
1999	66	82	148	80
2000	340	61	401	557
2001	228	143	371	159
2002	—	—	—	—
2003	267	59	326	453
2004	796	199	995	400
2005	251	55	306	456
2006	135	110	245	123
2007	0	16	16	0
Average (1980–2006)	184	65	259	324
% change from previous year	-100	-85	-93	-100
% change from average	-100	-76	-94	-100

Statewide trends of Quail harvest statistics, Utah 1959–2007.



Statewide trends of Quail hunter success, Utah 1959–2007.



Quail harvest statistics by region and county, Utah 2007.

Region and county	n	Hunters afield	Hunter-days afield	Quail bagged	Quail / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	1	25	300	175	0.58	2.6	1.8
Cache	2	50	150	25	0.17	1.3	0.3
Davis	0	0	0	0	—	0.0	0.0
Morgan	0	0	0	0	—	0.0	0.0
Rich	0	0	0	0	—	0.0	0.0
Summit	1	25	50	250	5.00	0.4	2.5
Weber	4	100	425	899	2.12	3.7	9.1
Regional total	8	200	925	1,349	1.46	8.1	13.7
Central Region							
Juab	0	0	0	0	—	0.0	0.0
Salt Lake	1	25	200	300	1.50	1.7	3.0
Sanpete	1	25	25	0	0.00	0.2	0.0
Tooele	1	25	25	0	0.00	0.2	0.0
Utah	14	350	1,199	1,124	0.94	10.5	11.4
Wasatch	0	0	0	0	—	0.0	0.0
Regional total	17	425	1,449	1,424	0.98	12.7	14.5
Southern Region							
Beaver	4	100	300	300	1.00	2.6	3.0
Garfield	0	0	0	0	—	0.0	0.0
Iron	0	0	0	0	—	0.0	0.0
Kane	0	0	0	0	—	0.0	0.0
Millard	4	100	200	150	0.75	1.7	1.5
Piute	0	0	0	0	—	0.0	0.0
Sevier	2	50	125	100	0.80	1.1	1.0
Washington	9	225	1,019	1,249	1.23	8.9	12.7
Wayne	0	0	0	0	—	0.0	0.0
Regional total	19	475	1,644	1,799	1.09	14.4	18.3
Northeastern Region							
Daggett	2	50	300	749	2.50	2.6	7.6
Duchesne	16	400	2,398	1,399	0.58	20.9	14.2
Uintah	15	375	2,748	1,774	0.65	24.0	18.0
Regional total	33	825	5,446	3,922	0.72	47.6	39.8
Southeastern Region							
Carbon	2	50	325	450	1.38	2.8	4.6
Emery	8	200	1,349	525	0.39	11.8	5.3
Grand	1	25	25	25	1.00	0.2	0.3
San Juan	0	0	0	0	—	0.0	0.0
Regional total	11	275	1,699	1,000	0.59	14.8	10.2
Unknown	2	50	290	350	1.21	2.5	3.6
Statewide total*	83	2,073	11,453	9,844	0.86	100.0	100.0

\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties.



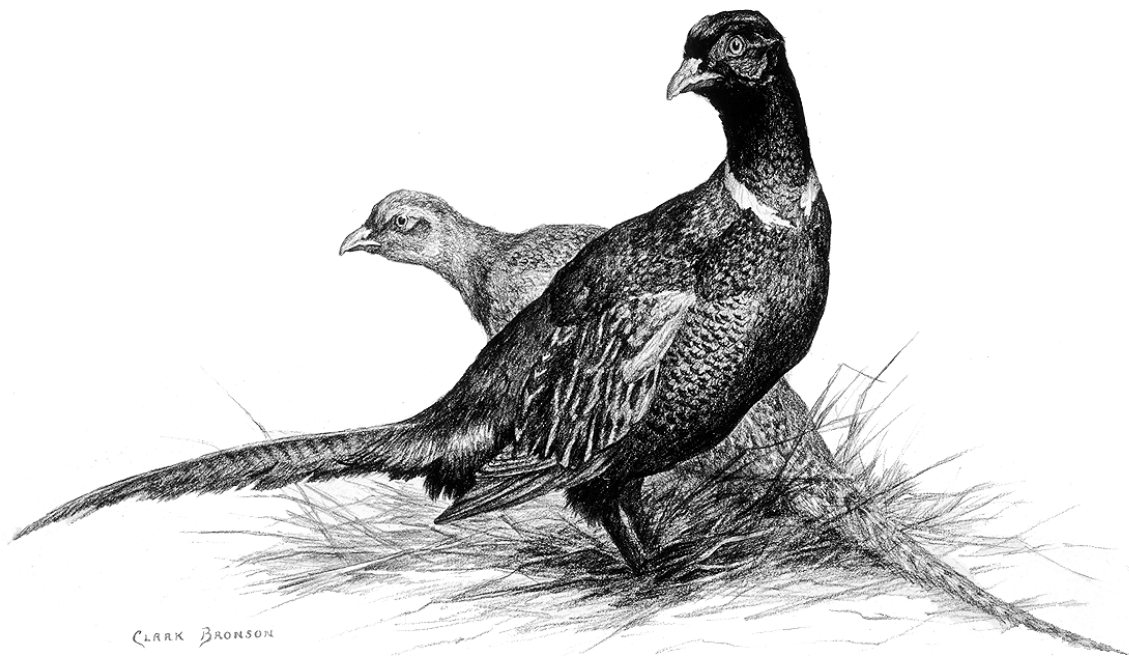
Statewide Quail harvest statistics, Utah 1951–2007.

Year	Total hunters	Total harvest	Hunter-days afield	Quail / hunter-day	Quail / hunter
1951	3,856	6,362	7,069	0.90	1.65
1952	2,694	6,105	5,500	1.11	2.27
1953	2,676	5,753	4,494	1.28	2.15
1954	3,855	7,479	8,696	0.86	1.94
1955	—	—	—	0.17	2.10
1956	—	—	—	—	2.26
1957	—	—	—	—	1.85
1958	—	—	—	—	3.73
1959	8,554	22,854	18,174	1.26	2.67
1960	7,117	21,272	13,971	1.52	2.99
1961	9,980	27,362	25,746	1.06	2.74
1962	6,462	18,710	14,660	1.27	2.89
1963	8,059	28,088	16,383	1.71	3.49
1964	8,951	31,189	20,510	1.52	3.48
1965	6,163	17,532	16,528	1.06	2.45
1966	6,465	22,771	16,720	1.36	3.52
1967	8,455	26,187	23,806	1.10	3.10
1968	9,302	28,469	23,132	1.23	3.06
1969	9,160	26,119	22,529	1.16	2.85
1970	6,141	18,896	16,452	1.15	3.08
1971	8,039	21,082	21,595	0.98	2.62
1972	7,380	16,504	21,779	0.76	2.24
1973	5,654	14,324	17,777	0.81	2.53
1974	6,097	12,005	14,702	0.82	1.97
1975	6,397	16,903	16,805	1.01	2.64
1976	5,215	14,454	13,261	1.09	2.77
1977	4,446	9,496	9,646	0.98	2.14
1978	5,924	15,491	13,649	1.13	2.61
1979	5,632	15,821	13,550	1.17	2.81
1980	4,156	11,690	10,400	1.12	2.81
1981	4,946	13,586	12,843	1.06	2.75
1982	4,368	9,870	10,575	0.93	2.26
1983	4,012	11,248	10,232	1.10	2.81
1984	3,654	8,303	9,805	0.85	2.27
1985	3,065	7,051	7,994	0.88	2.30
1986	2,432	4,574	6,326	0.72	1.88
1987	2,549	7,648	7,918	0.97	3.00
1988	2,671	8,849	8,682	1.02	3.31
1989	3,111	7,384	8,607	0.86	2.37
1990	2,614	6,091	8,561	0.71	2.33

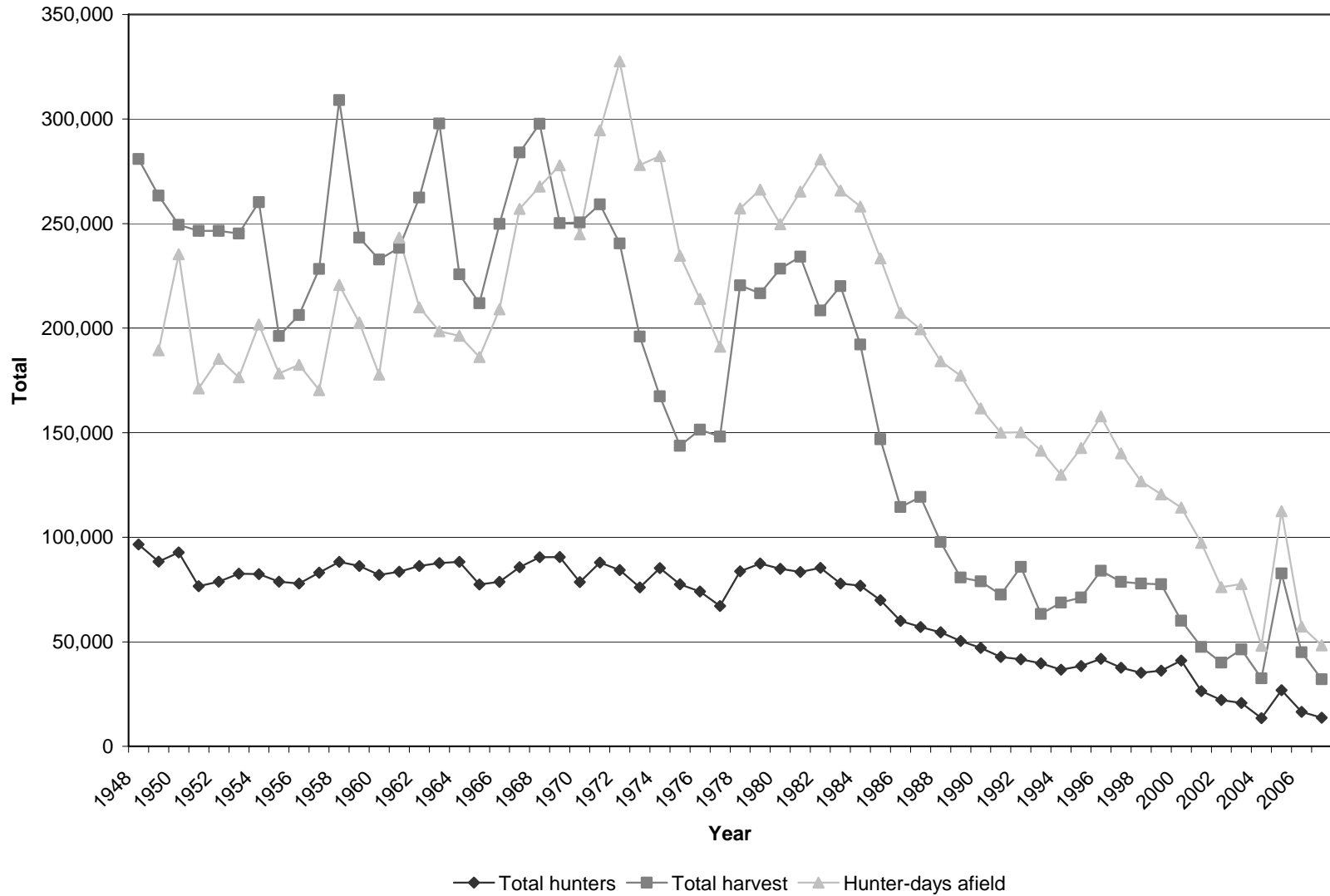
Statewide Quail harvest statistics, Utah 1951–2007 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Quail / hunter-day	Quail / hunter
1991	2,644	5,775	7,393	0.78	2.18
1992	2,861	6,788	8,068	0.84	2.37
1993	3,649	11,192	11,952	0.94	3.07
1994	2,936	7,822	9,721	0.80	2.66
1995	4,374	13,023	12,712	1.02	2.98
1996	4,622	16,351	15,862	1.03	3.54
1997	3,637	9,436	11,016	0.86	2.59
1998	3,211	12,213	11,562	1.06	3.80
1999	4,002	14,422	13,007	1.11	3.60
2000	3,828	14,093	12,638	1.12	3.68
2001	3,140	12,528	10,894	1.15	3.99
2002	2,394	5,508	8,142	0.68	2.30
2003	2,537	9,254	9,463	0.98	3.65
2004	2,099	5,064	6,944	0.73	2.41
2005	3,519	18,756	16,492	1.14	5.33
2006	2,809	18,979	13,771	1.38	6.76
2007	2,073	9,844	11,453	0.86	4.75
Total (1951–2007)	254,587	738,570	690,167	—	—
Average (1951–2006)	4,856	14,014	13,052	1.07	2.89
% change from previous year	-26	-48	-17	-38	-30
% change from average	-57	-30	-12	-20	65

# RING-NECKED PHEASANT



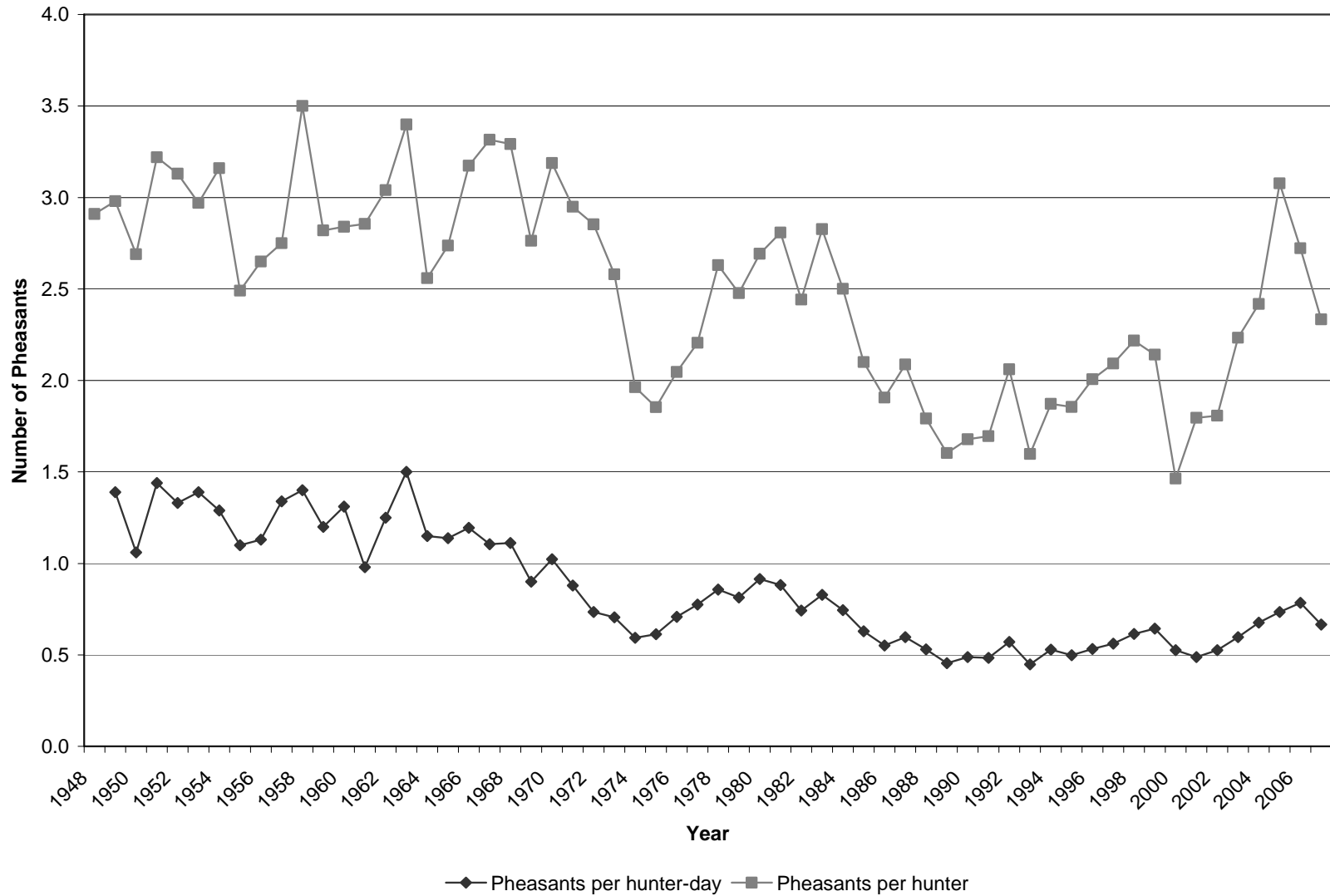
Statewide trends of Ring-necked Pheasant harvest statistics, Utah 1948–2007.



\*No data available for hunter-days afield in 1948.

\*\*Starting in 2001, harvest data are likely biased high due to hunters reporting harvest from commercial hunting areas.

Statewide trends of Ring-necked Pheasant hunter success, Utah 1948–2007.



\*No data available for hunter-days afield in 1948.

\*\*Starting in 2001, harvest data are likely biased high due to hunters reporting harvest from commercial hunting areas.

## Ring-necked Pheasant harvest statistics by region and county, Utah 2007.

Region and county	n	Hunters afield	Hunter-days afield	Pheasants bagged	Pheasants / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	72	1,799	6,295	3,772	0.60	13.0	11.7
Cache	65	1,624	6,370	6,720	1.05	13.2	20.9
Davis	13	325	1,574	525	0.33	3.3	1.6
Morgan	2	50	100	50	0.50	0.2	0.2
Rich	3	75	375	350	0.93	0.8	1.1
Summit	0	0	0	0	—	0.0	0.0
Weber	31	774	2,573	824	0.32	5.3	2.6
Regional total	186	4,647	17,287	12,241	0.71	35.8	38.1
Central Region							
Juab	23	575	1,549	899	0.58	3.2	2.8
Salt Lake	8	200	475	250	0.53	1.0	0.8
Sanpete	35	874	4,571	2,048	0.45	9.5	6.4
Tooele	29	724	1,524	1,049	0.69	3.2	3.3
Utah	125	3,122	7,769	4,122	0.53	16.1	12.8
Wasatch	0	0	0	0	—	0.0	0.0
Regional total	220	5,495	15,888	8,368	0.53	32.9	26.1
Southern Region							
Beaver	6	150	325	375	1.15	0.7	1.2
Garfield	0	0	0	0	—	0.0	0.0
Iron	2	50	400	150	0.38	0.8	0.5
Kane	0	0	0	0	—	0.0	0.0
Millard	33	824	2,298	1,824	0.79	4.8	5.7
Piute	0	0	0	0	—	0.0	0.0
Sevier	29	724	1,873	1,024	0.55	3.9	3.2
Washington	3	75	624	325	0.52	1.3	1.0
Wayne	4	100	225	175	0.78	0.5	0.5
Regional total	77	1,923	5,745	3,873	0.67	11.9	12.1
Northeastern Region							
Daggett	3	75	200	275	1.38	0.4	0.9
Duchesne	32	799	2,348	2,373	1.01	4.9	7.4
Uintah	23	575	2,523	1,699	0.67	5.2	5.3
Regional total	58	1,449	5,071	4,347	0.86	10.5	13.5
Southeastern Region							
Carbon	5	125	200	25	0.13	0.4	0.1
Emery	18	450	2,198	1,124	0.51	4.6	3.5
Grand	1	25	125	0	0.00	0.3	0.0
San Juan	1	25	50	50	1.00	0.1	0.2
Regional total	25	625	2,573	1,199	0.47	5.3	3.7
Unknown	21	525	1,721	2,093	1.22	3.6	6.5
Statewide total*	551	13,764	48,285	32,121	0.67	100.0	100.0

\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties.

\*\*Harvest data are likely biased high due to hunters reporting harvest from commercial hunting areas.

Statewide Ring-necked Pheasant harvest statistics, Utah 1948–2007.

Year	Total hunters	Total harvest	Hunter-days afield	Pheasants / hunter-day	Pheasants / hunter
1948	96,534	280,914	—	—	2.91
1949	88,369	263,340	189,453	1.39	2.98
1950	92,724	249,428	235,309	1.06	2.69
1951	76,576	246,575	171,233	1.44	3.22
1952	78,773	246,559	185,383	1.33	3.13
1953	82,595	245,307	176,480	1.39	2.97
1954	82,370	260,289	201,774	1.29	3.16
1955	78,793	196,195	178,359	1.10	2.49
1956	77,826	206,239	182,512	1.13	2.65
1957	83,025	228,319	170,387	1.34	2.75
1958	88,290	309,015	220,725	1.40	3.50
1959	86,268	243,276	202,730	1.20	2.82
1960	81,976	232,812	177,719	1.31	2.84
1961	83,493	238,439	243,305	0.98	2.86
1962	86,336	262,448	209,921	1.25	3.04
1963	87,647	297,873	198,582	1.50	3.40
1964	88,242	225,775	196,314	1.15	2.56
1965	77,409	211,876	186,215	1.14	2.74
1966	78,721	249,814	209,082	1.19	3.17
1967	85,664	284,000	257,033	1.10	3.32
1968	90,453	297,752	267,788	1.11	3.29
1969	90,573	250,241	277,887	0.90	2.76
1970	78,585	250,503	244,958	1.02	3.19
1971	87,878	259,189	294,618	0.88	2.95
1972	84,311	240,573	327,669	0.73	2.85
1973	75,968	196,012	278,033	0.70	2.58
1974	85,252	167,408	282,294	0.59	1.96
1975	77,566	143,783	234,615	0.61	1.85
1976	74,029	151,476	214,023	0.71	2.05
1977	67,195	148,168	191,142	0.78	2.21
1978	83,800	220,398	257,305	0.86	2.63
1979	87,462	216,700	266,245	0.81	2.48
1980	84,868	228,442	249,770	0.91	2.69
1981	83,408	234,217	265,381	0.88	2.81
1982	85,368	208,437	280,624	0.74	2.44
1983	77,847	220,074	265,731	0.83	2.83
1984	76,840	192,190	258,169	0.74	2.50
1985	69,889	146,807	233,328	0.63	2.10

Statewide Ring-necked Pheasant harvest statistics, Utah 1948–2007 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Pheasants / hunter-day	Pheasants / hunter
1986	59,987	114,389	207,346	0.55	1.91
1987	57,118	119,236	199,470	0.60	2.09
1988	54,514	97,658	184,180	0.53	1.79
1989	50,382	80,769	177,364	0.46	1.60
1990	47,025	78,944	161,634	0.49	1.68
1991	42,813	72,612	150,096	0.48	1.70
1992	41,640	85,803	150,244	0.57	2.06
1993	39,640	63,336	141,399	0.45	1.60
1994	36,705	68,698	129,872	0.53	1.87
1995	38,391	71,202	142,755	0.50	1.85
1996	41,854	83,987	157,755	0.53	2.01
1997	37,622	78,693	140,135	0.56	2.09
1998	35,130	77,889	126,792	0.61	2.22
1999	36,211	77,545	120,502	0.64	2.14
2000	41,074	60,108	114,226	0.53	1.46
2001	26,468	47,521	97,413	0.49	1.80
2002	22,149	40,048	76,178	0.53	1.81
2003	20,773	46,382	77,603	0.60	2.23
2004	13,457	32,532	48,147	0.68	2.42
2005	26,864	82,671	112,532	0.73	3.08
2006	16,521	44,971	57,371	0.78	2.72
2007	13,764	32,121	48,285	0.67	2.33
Total (1948–2007)	3,943,025	10,307,978	11,303,395	—	—
Average (1948–2006)	66,598	174,167	194,054	0.90	2.62
% change from previous year	-17	-29	-16	-15	-14
% change from average	-79	-82	-75	-26	-11

\*Starting in 2001, harvest data are likely biased high due to hunters reporting harvest from commercial hunting areas.

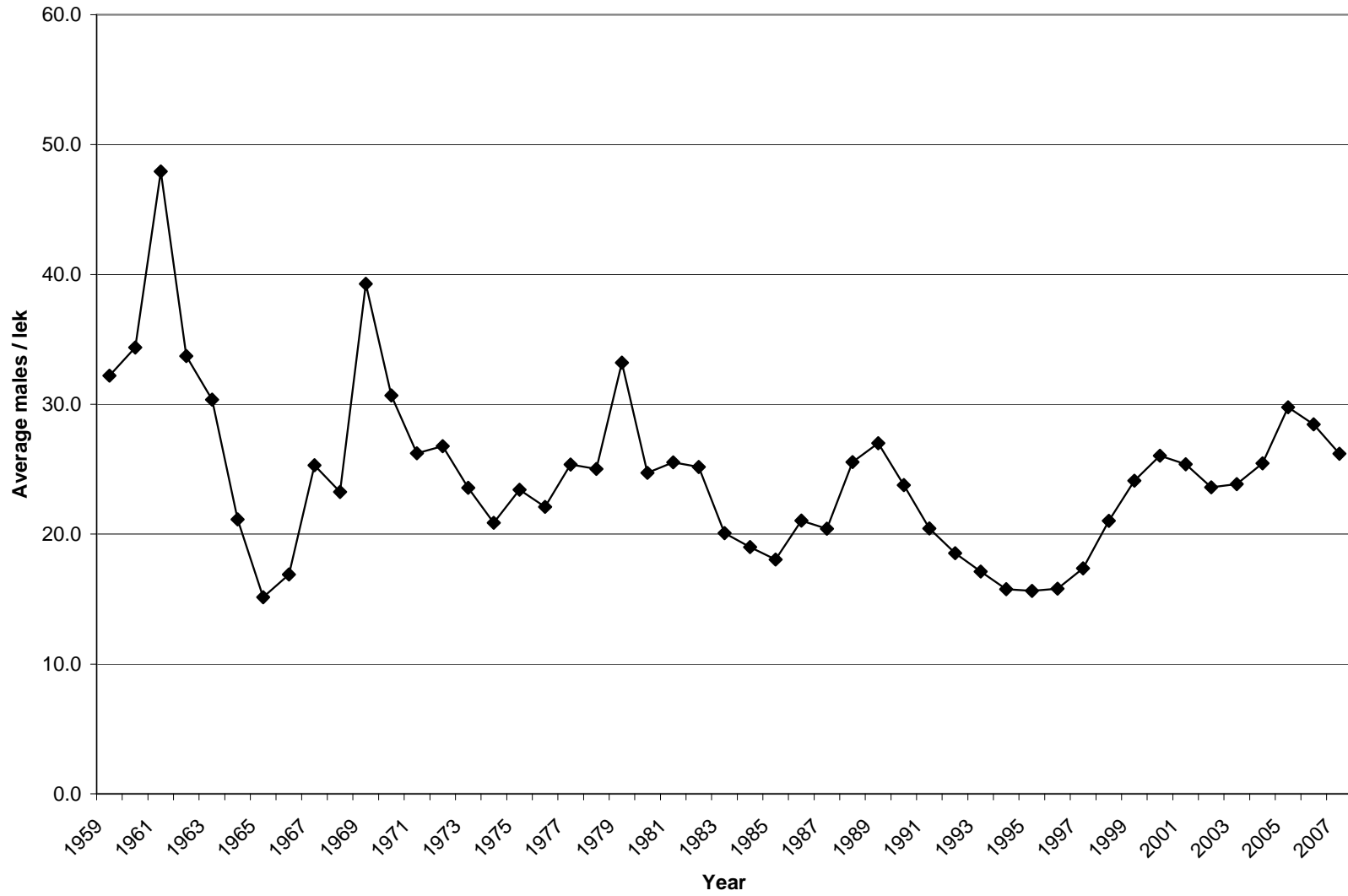


# SAGE-GROUSE



CARR BRANFORD

Statewide trends of average Sage-grouse males per lek, Utah 1959–2007.



\*Only leks where birds were counted were used to calculate the average number of males/lek.

Sage-grouse strutting ground counts by county for the Northern Region, Utah 1998–2007.

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Average (1998–2006)
<b>East Box Elder</b>											
Number of strutting grounds counted	—	1	2	1	2	1	2	2	2	3	1
Total male Grouse counted	—	12	13	3	—	4	12	7	—	10	5
Average males / lek	—	12.0	6.5	3.0	—	4.0	6.0	7.0	—	10.0	6.4
<b>West Box Elder</b>											
Number of strutting grounds counted	34	40	37	45	76	71	69	60	57	57	54
Total male Grouse counted	667	674	777	749	1,222	1,742	1,961	1,659	1,062	905	1,109
Average males / lek	21.5	21.7	22.9	18.7	22.2	31.1	33.2	33.2	24.7	22.1	25.6
<b>Cache</b>											
Number of strutting grounds counted	4	4	3	3	4	4	3	1	2	3	3
Total male Grouse counted	23	23	21	29	20	18	14	9	47	53	23
Average males / lek	23.0	23.0	21.0	14.5	10.0	18.0	14.0	9.0	23.5	17.7	17.5
<b>Morgan</b>											
Number of strutting grounds counted	1	1	3	2	7	3	3	5	4	4	3
Total male Grouse counted	56	81	84	39	39	62	92	109	67	66	66
Average males / lek	56.0	81.0	28.0	39.0	19.5	31.0	46.0	27.3	33.5	33.0	34.9
<b>Rich</b>											
Number of strutting grounds counted	29	30	31	32	38	41	40	36	35	19	19
Total male Grouse counted	373	551	894	823	743	824	937	1344	1195	605	286
Average males / lek	26.6	34.4	40.6	35.8	28.6	25.8	29.3	43.4	39.8	40.3	28.9
<b>Summit</b>											
Number of strutting grounds counted	—	—	5	1	9	3	6	6	2	18	15
Total male Grouse counted	—	—	1	—	16	24	27	23	17	710	518
Average males / lek	—	—	1.0	—	5.3	12.0	13.5	11.5	8.5	39.4	36.2
<b>Northern Region total</b>											
Number of strutting grounds counted	68	76	81	84	136	123	123	110	102	4	3
Total male Grouse counted	1,119	1,341	1,790	1,643	2,040	2,674	3,043	3,151	2,388	33	11
Average males / lek	23.8	26.8	28.4	24.5	23.2	28.4	31.1	35.4	30.2	11.0	9.0

\*Only leks where birds were counted were used to calculate the average number of males/lek.

Sage-grouse strutting ground counts by county for the Central Region, Utah 1998–2007.

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Average (1998–2006)
<b>Juab</b>											
Number of strutting grounds counted	2	3	3	3	5	4	4	4	2	3	3
Total male Grouse counted	1	13	40	35	99	40	12	53	—	40	33
Average males / lek	1.0	6.5	20.0	17.5	24.8	10.0	12.0	26.5	—	13.3	16.3
<b>Sanpete</b>											
Number of strutting grounds counted	—	—	—	—	—	—	—	—	—	—	—
Total male Grouse counted	—	—	—	—	—	—	—	—	—	—	—
Average males / lek	—	—	—	—	—	—	—	—	—	—	—
<b>Tooele</b>											
Number of strutting grounds counted	2	2	3	3	2	2	3	3	9	8	3
Total male Grouse counted	23	80	103	117	102	63	66	85	267	191	101
Average males / lek	11.5	40.0	34.3	39.0	51.0	31.5	33.0	42.5	29.7	23.9	33.6
<b>Utah</b>											
Number of strutting grounds counted	—	—	—	—	—	—	—	—	—	—	—
Total male Grouse counted	—	—	—	—	—	—	—	—	—	—	—
Average males / lek	—	—	—	—	—	—	—	—	—	—	—
<b>Wasatch</b>											
Number of strutting grounds counted	2	2	2	2	2	2	4	3	2	2	2
Total male Grouse counted	42	54	37	36	24	68	84	86	146	65	64
Average males / lek	42.0	27.0	18.5	36.0	24.0	34.0	42.0	43.0	73.0	65.0	38.5
<b>Central Region total</b>											
Number of strutting grounds counted	6	7	8	8	9	8	11	10	13	13	8
Total male Grouse counted	66	147	180	188	225	171	162	224	413	296	170
Average males / lek	16.5	24.5	25.7	31.3	32.1	21.4	32.4	37.3	37.5	24.7	22.7

\*Only leks where birds were counted were used to calculate the average number of males/lek.

Sage-grouse strutting ground counts by county for the Southern Region, Utah 1998–2007.

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Average (1998–2006)
<b>Beaver</b>											
Number of strutting grounds counted	5	6	7	7	7	7	8	8	7	8	7
Total male Grouse counted	44	96	79	94	76	55	74	78	43	126	71
Average males / lek	11.0	16.0	15.8	23.5	19.0	13.8	14.8	26.0	14.3	25.2	16.8
<b>Garfield</b>											
Number of strutting grounds counted	13	14	14	15	14	15	15	16	12	15	14
Total male Grouse counted	254	245	324	306	172	168	211	419	334	264	270
Average males / lek	25.4	22.3	27.0	34.0	17.2	16.8	17.6	41.9	37.1	33.0	26.2
<b>Iron</b>											
Number of strutting grounds counted	5	7	6	8	8	8	8	8	14	16	8
Total male Grouse counted	48	135	129	122	116	75	96	112	196	292	114
Average males / lek	16.0	22.5	21.5	20.3	19.3	12.5	13.7	18.7	19.6	19.5	18.4
<b>Kane</b>											
Number of strutting grounds counted	3	3	3	3	3	3	3	3	1	3	3
Total male Grouse counted	18	20	11	17	11	5	5	12	13	4	12
Average males / lek	18.0	20.0	11.0	17.0	11.0	5.0	5.0	12.0	13.0	4.0	12.4
<b>Millard</b>											
Number of strutting grounds counted	—	—	—	—	—	—	—	—	—	—	—
Total male Grouse counted	—	—	—	—	—	—	—	—	—	—	—
Average males / lek	—	—	—	—	—	—	—	—	—	—	—
<b>Piute</b>											
Number of strutting grounds counted	1	1	1	1	1	1	1	2	2	2	1
Total male Grouse counted	33	67	63	61	58	26	22	39	75	112	49
Average males / lek	33.0	67.0	63.0	61.0	58.0	26.0	22.0	19.5	37.5	56.0	40.4

\*Only leks where birds were counted were used to calculate the average number of males/lek.

Sage-grouse strutting ground counts by county for the Southern Region, Utah 1998–2007 (cont.).

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Average (1998–2006)
<b>Sevier</b>											
Number of strutting grounds counted	1	1	1	1	1	1	1	3	2	2	1
Total male Grouse counted	15	16	14	11	8	3	4	31	49	25	17
Average males / lek	15.0	16.0	14.0	11.0	8.0	3.0	4.0	10.3	24.5	12.5	12.6
<b>Wayne</b>											
Number of strutting grounds counted	14	15	16	16	17	17	18	18	21	21	17
Total male Grouse counted	257	499	472	561	594	435	586	677	997	1,083	564
Average males / lek	23.4	49.9	42.9	46.8	49.5	36.3	41.9	42.3	49.9	51.6	43.0
<b>Southern Region total</b>											
Number of strutting grounds counted	42	47	48	51	51	52	54	58	59	67	50
Total male Grouse counted	669	1,078	1,092	1,172	1,035	767	998	1,368	1,707	1,906	1,022
Average males / lek	21.6	29.9	29.5	34.5	29.6	21.9	24.3	33.4	36.3	35.3	24.3

\*Only leks where birds were counted were used to calculate the average number of males/lek.

Sage-grouse strutting ground counts by county for the Northeastern Region, Utah 1998–2007.

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Average (1998–2006)
Daggett											
Number of strutting grounds counted	5	2	6	7	7	7	7	7	8	9	6
Total male Grouse counted	25	19	84	88	67	101	175	229	263	200	117
Average males / lek	8.3	19.0	28.0	22.0	16.8	25.3	29.2	32.7	32.9	22.2	26.3
Duchesne											
Number of strutting grounds counted	5	7	7	2	6	7	8	11	14	18	7
Total male Grouse counted	24	46	57	55	33	54	39	69	110	151	54
Average males / lek	12.0	7.7	9.5	27.5	16.5	10.8	5.6	11.5	12.2	12.6	10.8
Uintah											
Number of strutting grounds counted	18	24	21	22	28	28	35	38	39	43	28
Total male Grouse counted	382	368	363	276	344	310	492	540	589	478	407
Average males / lek	23.9	20.4	21.4	18.4	20.2	17.2	18.2	18.6	19.0	16.5	19.5
Wasatch											
Number of strutting grounds counted	1	1	1	1	1	1	1	1	1	2	1
Total male Grouse counted	6	5	4	3	—	—	—	2	—	65	2
Average males / lek	6.0	5.0	4.0	3.0	—	—	—	2.0	—	65.0	4.0
Northeastern Region total											
Number of strutting grounds counted	29	34	35	32	42	43	51	57	62	72	40
Total male Grouse counted	437	438	508	422	444	465	706	840	962	894	533
Average males / lek	19.9	16.8	18.8	19.2	19.3	17.2	17.7	19.5	20.0	17.5	15.3

\*Only leks where birds were counted were used to calculate the average number of males/lek.

Sage-grouse strutting ground counts by county for the Southeastern Region, Utah 1998–2007.

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Average (1998–2006)
<b>Carbon</b>											
Number of strutting grounds counted	14	14	17	12	13	18	19	11	19	20	15
Total male Grouse counted	73	68	201	133	68	68	143	121	223	223	122
Average males / lek	10.4	11.3	22.3	16.6	11.3	8.5	13.0	13.4	17.2	18.6	14.3
<b>Emery</b>											
Number of strutting grounds counted	2	2	2	2	1	2	1	3	3	2	2
Total male Grouse counted	—	—	—	—	—	—	5	11	30	15	5
Average males / lek	—	—	—	—	—	—	5.0	5.5	15.0	7.5	9.2
<b>San Juan</b>											
Number of strutting grounds counted	4	6	5	5	5	5	5	5	4	5	5
Total male Grouse counted	32	40	57	47	35	30	33	33	24	44	37
Average males / lek	10.7	8.0	14.3	9.4	8.8	10.0	8.3	11.0	12.0	11.0	10.0
<b>Southeastern Region total</b>											
Number of strutting grounds counted	20	22	24	19	19	25	25	19	26	27	22
Total male Grouse counted	105	108	258	180	103	98	181	165	277	282	150
Average males / lek	10.5	9.8	19.8	13.8	10.3	8.9	11.3	11.8	16.3	15.7	10.4

\*Only leks where birds were counted were used to calculate the average number of males/lek.

Statewide Sage-grouse strutting ground counts, Utah 1998–2007.

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Average (1998–2006)
Number of strutting grounds counted	165	186	196	194	257	251	264	254	262	285	225
Total male Grouse counted	2,396	3,112	3,828	3,605	3,847	4,175	5,090	5,748	5,747	5,695	4,172
Average males / lek	21.0	24.1	26.0	25.4	23.6	23.9	25.5	29.8	28.5	26.2	25.6

\*Only leks where birds were counted were used to calculate the average number of males/lek.

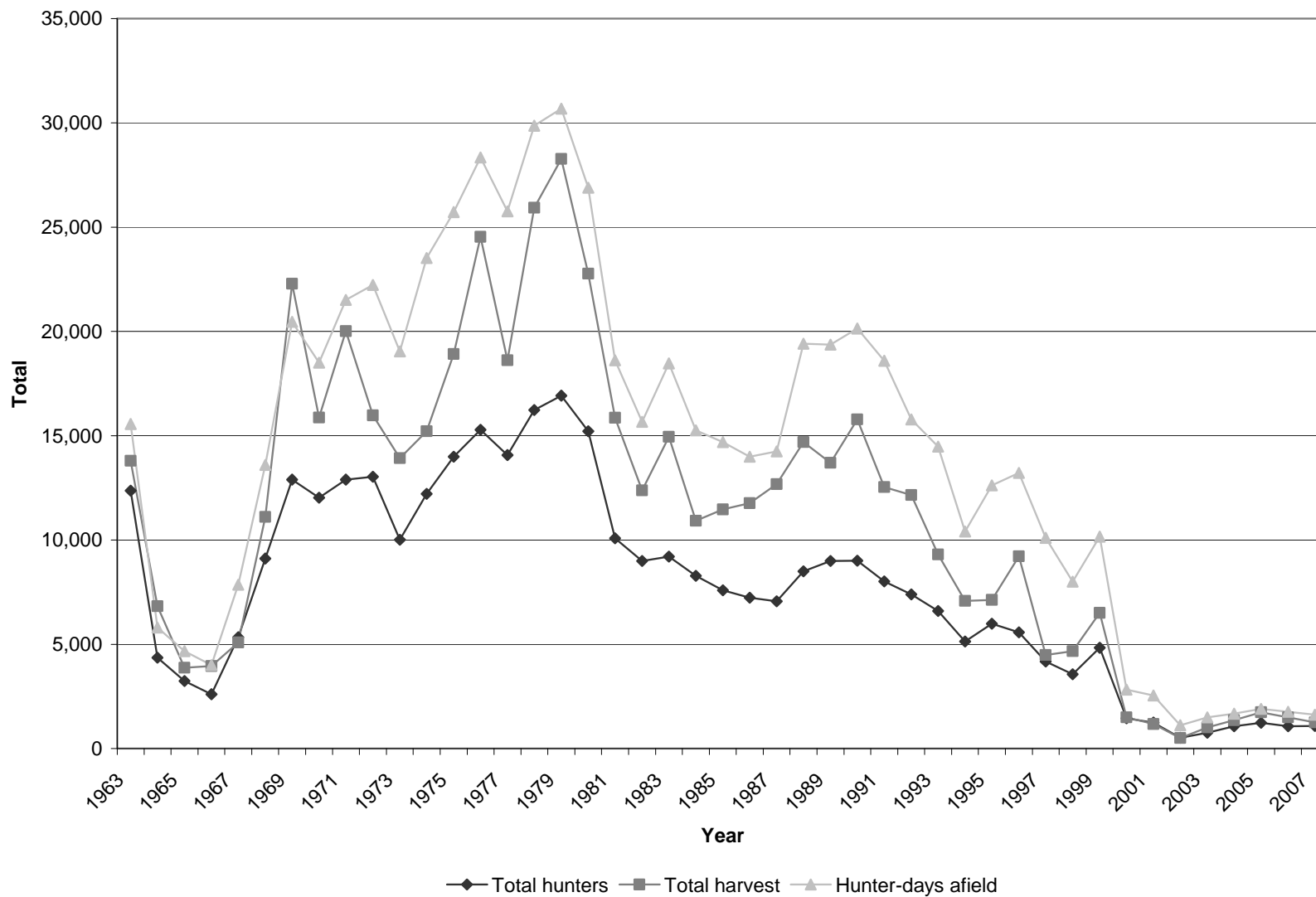


Statewide trends of Sage-grouse strutting ground counts, Utah 1959–2007.

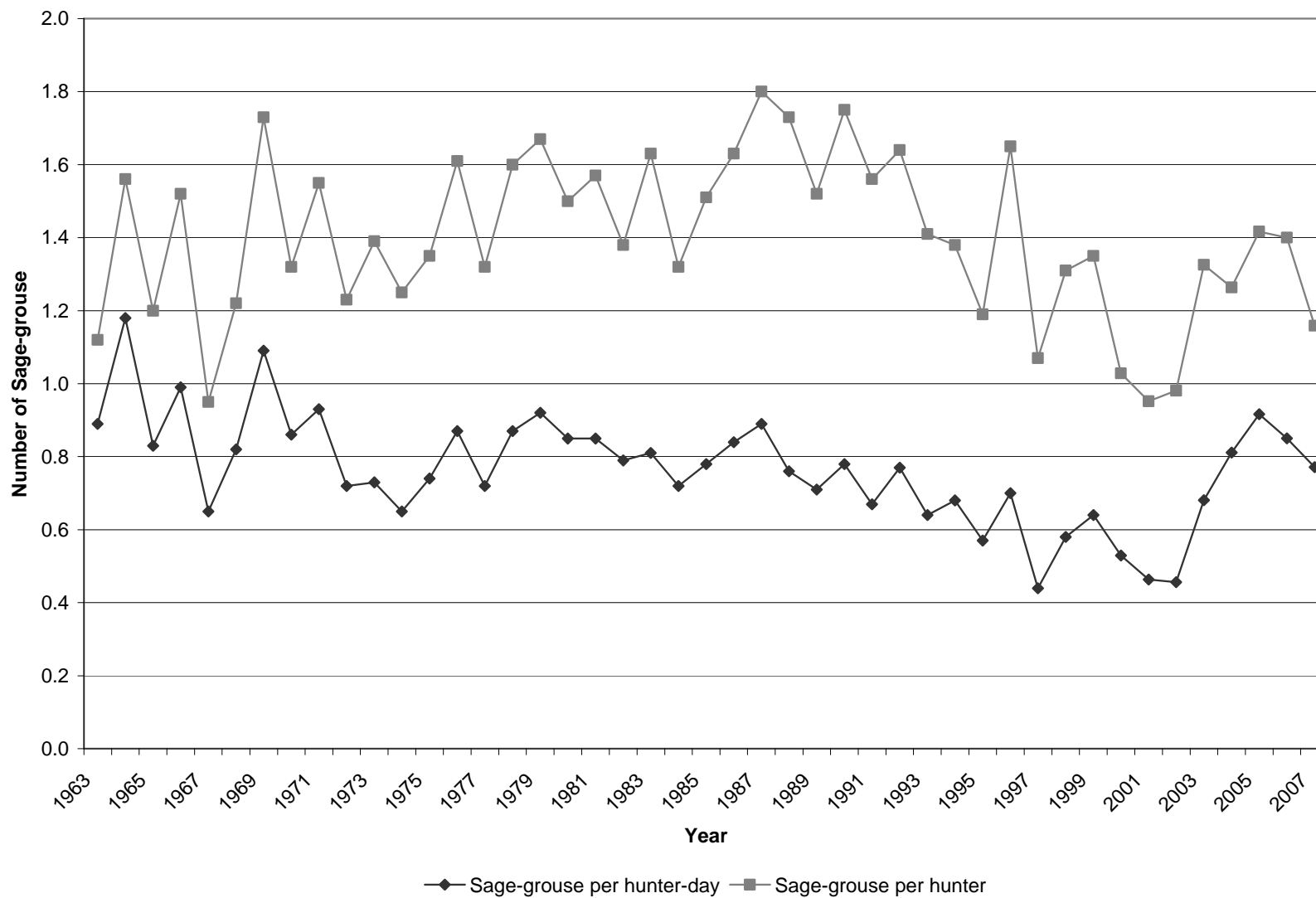
Year	Number of grounds counted	Total male grouse counted	Average male grouse / ground
1959	14	451	32.2
1960	16	550	34.4
1961	13	623	47.9
1962	14	472	33.7
1963	20	607	30.4
1964	15	296	21.1
1965	16	227	15.1
1966	21	321	16.9
1967	44	987	25.3
1968	66	1,325	23.2
1969	86	3,142	39.3
1970	104	2,975	30.7
1971	123	2,676	26.2
1972	126	2,919	26.8
1973	115	2,215	23.6
1974	150	2,671	20.9
1975	130	2,530	23.4
1976	137	2,629	22.1
1977	164	3,602	25.4
1978	139	2,902	25.0
1979	131	3,420	33.2
1980	118	2,150	24.7
1981	174	3,269	25.5
1982	121	2,518	25.2
1983	136	2,168	20.1
1984	63	874	19.0
1985	139	1,877	18.0
1986	119	2,063	21.1
1987	122	2,042	20.4
1988	185	2,810	25.5
1989	146	2,971	27.0
1990	156	2,900	23.8
1991	142	2,595	20.4
1992	120	1,909	18.5
1993	88	1,215	17.1
1994	121	1,419	15.8
1995	98	1,126	15.6
1996	148	1,595	15.8
1997	173	1,979	17.4
1998	165	2,396	21.0
1999	186	3,112	24.1
2000	196	3,828	26.0
2001	194	3,605	25.4
2002	257	3,847	23.6
2003	251	4,175	23.9
2004	264	5,090	25.5
2005	254	5,748	29.8
2006	262	5,747	28.5
2007	285	5,695	26.2
Total (1959–2007)	6,327	118,263	—
Average (1959–2006)	125.9	2,345.2	24.1

\*Only leks where birds were counted were used to calculate the average number of males/lek.

Statewide trends of Sage-grouse harvest statistics, Utah 1963–2007.



Statewide trends of Sage-grouse hunter success, Utah 1963–2007.



Sage-grouse harvest statistics by hunt unit, Utah 2007.

Hunt unit	Total permits	n	Hunters afield	Hunter-days afield	Sage-grouse harvested	% success*	Sage-grouse / hunter day	Sage-grouse / hunter
West Box Elder	387	100	275	406	186	46.5	0.46	0.68
Rich	282	76	245	367	356	78.8	0.97	1.46
Uintah Basin	195	57	161	287	168	64.0	0.59	1.04
Parker Mountain	479	125	402	567	540	74.4	0.95	1.34
Statewide total	1,343	358	1,083	1,627	1,255	66.8	0.77	1.15

\*Hunters could harvest 2 birds. Hunters were considered successful if they harvested at least 1 bird.

Statewide Sage-grouse harvest statistics, Utah 1951–2007.

Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1951	840	2,458	—	—	2.93
1952	678	2,230	—	—	3.29
1953	895	2,581	—	—	2.88
1954	802	2,510	—	—	3.13
1955	579	1,742	—	—	3.01
1956	495	1,375	—	—	2.97
1957	470	1,303	—	—	2.77
1958	567	1,797	—	—	3.17
1959	699	1,875	—	—	2.68
1960	861	2,246	—	—	2.61
1961**	1,078	1,918	—	—	1.78
1962***	2,382	5,352	5,097	1.05	1.89
1963	12,366	13,793	15,564	0.89	1.12
1964	4,362	6,827	5,807	1.18	1.56
1965	3,243	3,881	4,673	0.83	1.20
1966	2,612	3,962	4,006	0.99	1.52
1967	5,336	5,089	7,860	0.65	0.95
1968	9,115	11,109	13,601	0.82	1.22
1969	12,894	22,282	20,466	1.09	1.73
1970	12,036	15,877	18,506	0.86	1.32
1971	12,893	20,013	21,509	0.93	1.55
1972	13,040	15,983	22,232	0.72	1.23
1973	10,017	13,926	19,049	0.73	1.39
1974	12,214	15,215	23,516	0.65	1.25
1975	13,996	18,916	25,720	0.74	1.35
1976	15,283	24,541	28,342	0.87	1.61
1977	14,078	18,615	25,759	0.72	1.32
1978	16,231	25,938	29,861	0.87	1.60
1979	16,927	28,280	30,682	0.92	1.67
1980	15,219	22,770	26,893	0.85	1.50
1981	10,083	15,857	18,617	0.85	1.57
1982	8,997	12,383	15,663	0.79	1.38
1983	9,201	14,949	18,467	0.81	1.63
1984	8,283	10,921	15,266	0.72	1.32
1985	7,586	11,466	14,702	0.78	1.51

\*The number of Sage-grouse hunters and consequently harvest was limited by permits available from 1951–1962.

\*\*Harvest numbers were estimated in 1961.

\*\*\*Totals and indices are based on indiscrete data.

\*\*\*\*Beginning in 2000, a special permit was required to hunt Sage-grouse, and permits were limited beginning in 2002.

Statewide Sage-grouse harvest statistics, Utah 1951–2007 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1986	7,233	11,766	13,992	0.84	1.63
1987	7,060	12,673	14,242	0.89	1.80
1988	8,499	14,692	19,418	0.76	1.73
1989	9,002	13,710	19,373	0.71	1.52
1990	9,014	15,784	20,147	0.78	1.75
1991	8,018	12,542	18,596	0.67	1.56
1992	7,393	12,156	15,781	0.77	1.64
1993	6,594	9,311	14,480	0.64	1.41
1994	5,133	7,084	10,406	0.68	1.38
1995	5,987	7,133	12,615	0.57	1.19
1996	5,574	9,220	13,215	0.70	1.65
1997	4,178	4,489	10,101	0.44	1.07
1998	3,559	4,676	8,003	0.58	1.31
1999	4,830	6,503	10,161	0.64	1.35
2000****	1,456	1,497	2,829	0.53	1.03
2001	1,242	1,182	2,552	0.46	0.95
2002	521	511	1,120	0.46	0.98
2003	767	1,017	1,494	0.68	1.33
2004	1,077	1,361	1,677	0.81	1.26
2005	1,231	1,744	1,904	0.92	1.42
2006	1,070	1,498	1,762	0.85	1.40
2007	1,083	1,255	1,627	0.77	1.16
Total (1951–2007)	356,879	531,784	647,353	—	—
Average (1951–2006)	6,354	9,474	14,349	0.66	1.49
% change from previous year	1	-16	-8	-9	-17
% change from average	-83	-87	-89	17	-22

\*The number of Sage-grouse hunters and consequently harvest was limited by permits available from 1951–1962.

\*\*Harvest numbers were estimated in 1962.

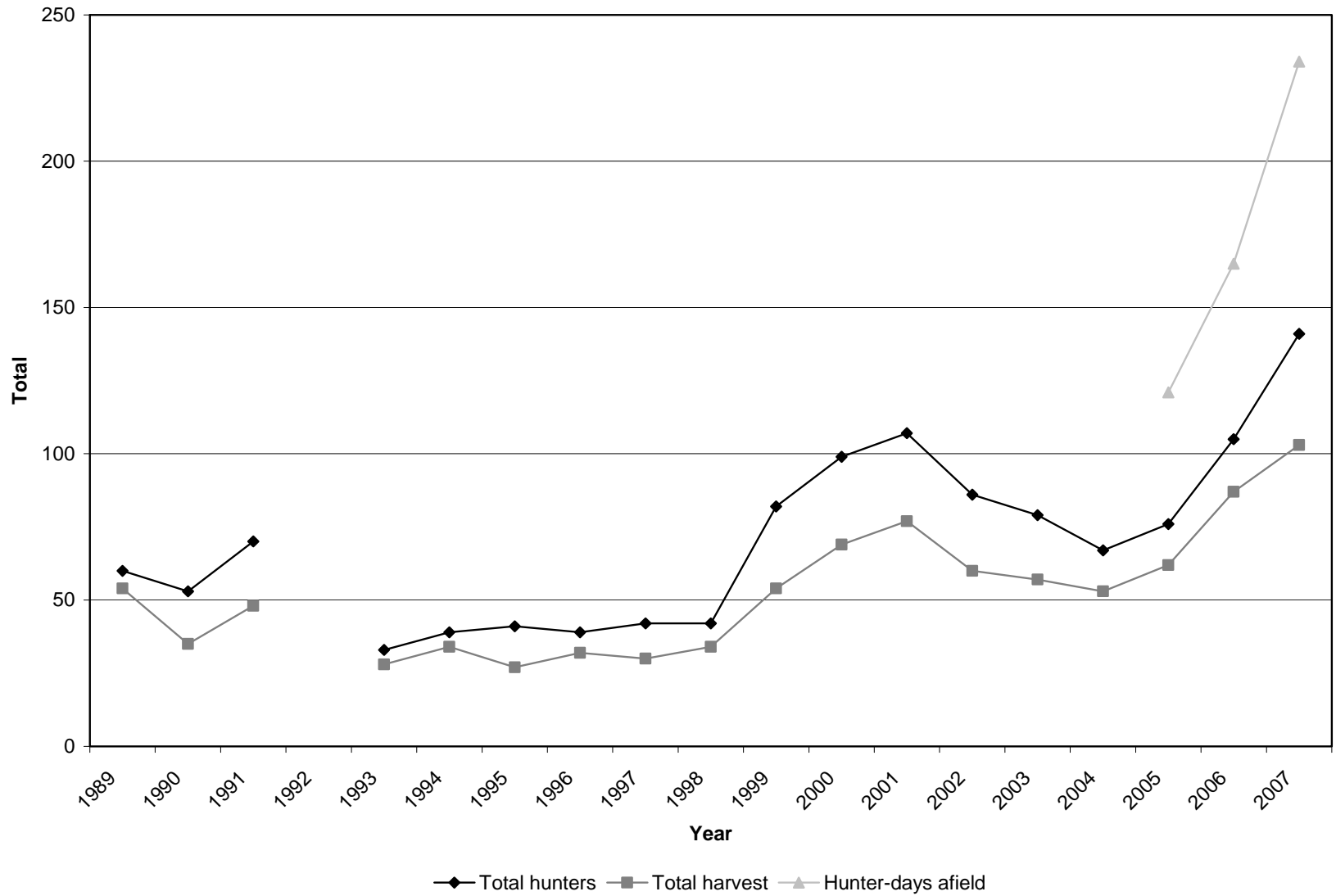
\*\*\*Totals and indices are based on indiscrete data.

\*\*\*\*Beginning in 2000, a special permit was required to hunt Sage-grouse, and permits were limited beginning in 2002.

# SANDHILL CRANE



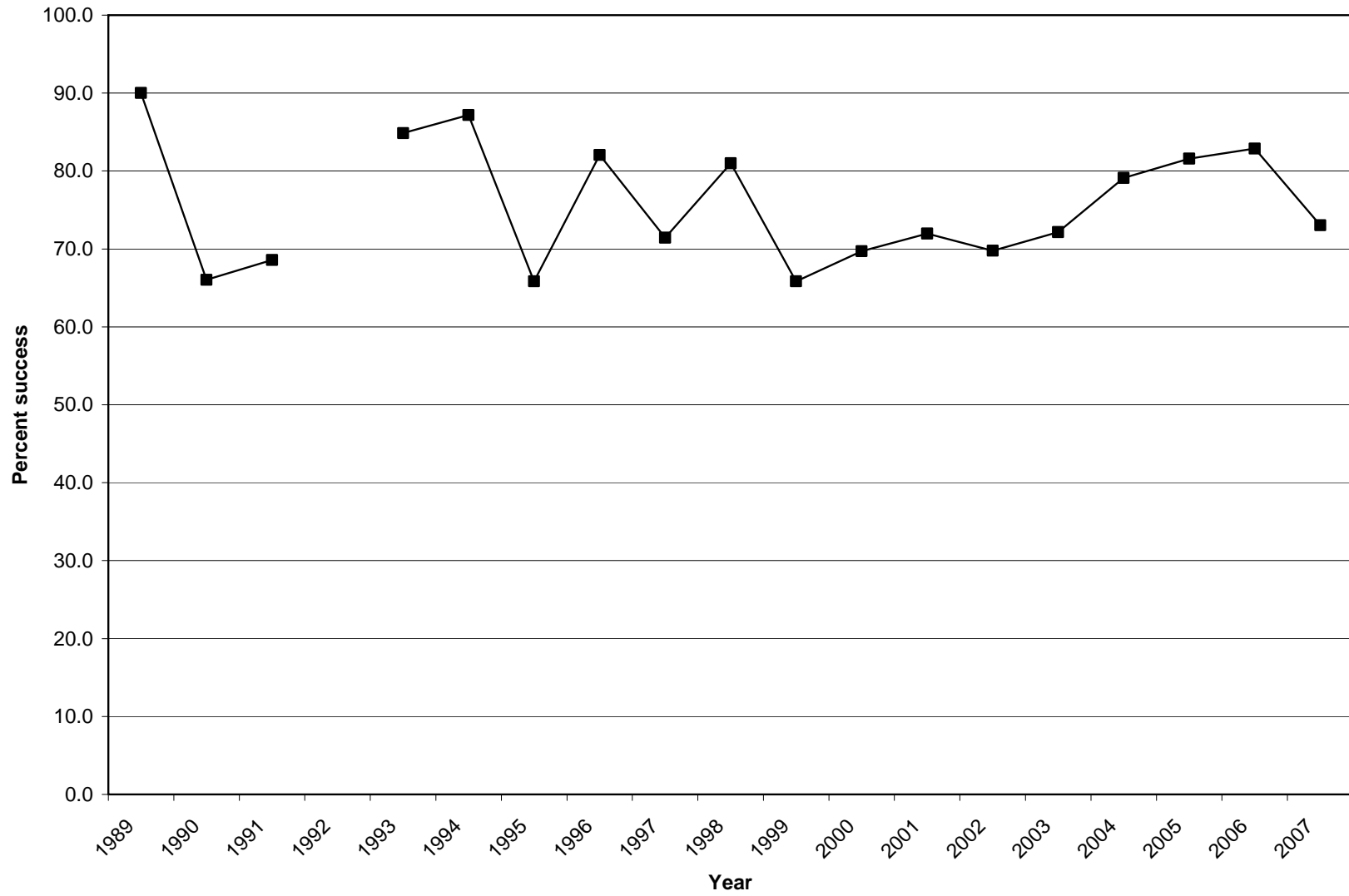
Statewide trends of Sandhill Crane harvest statistics, Utah 1989–2007.



\* No permits were issued in 1992.



Statewide trends of Sandhill Crane hunter success, Utah 1989–2007.



\*No permits were issued in 1992.

Sandhill Crane harvest statistics by hunt area, Utah 2007.

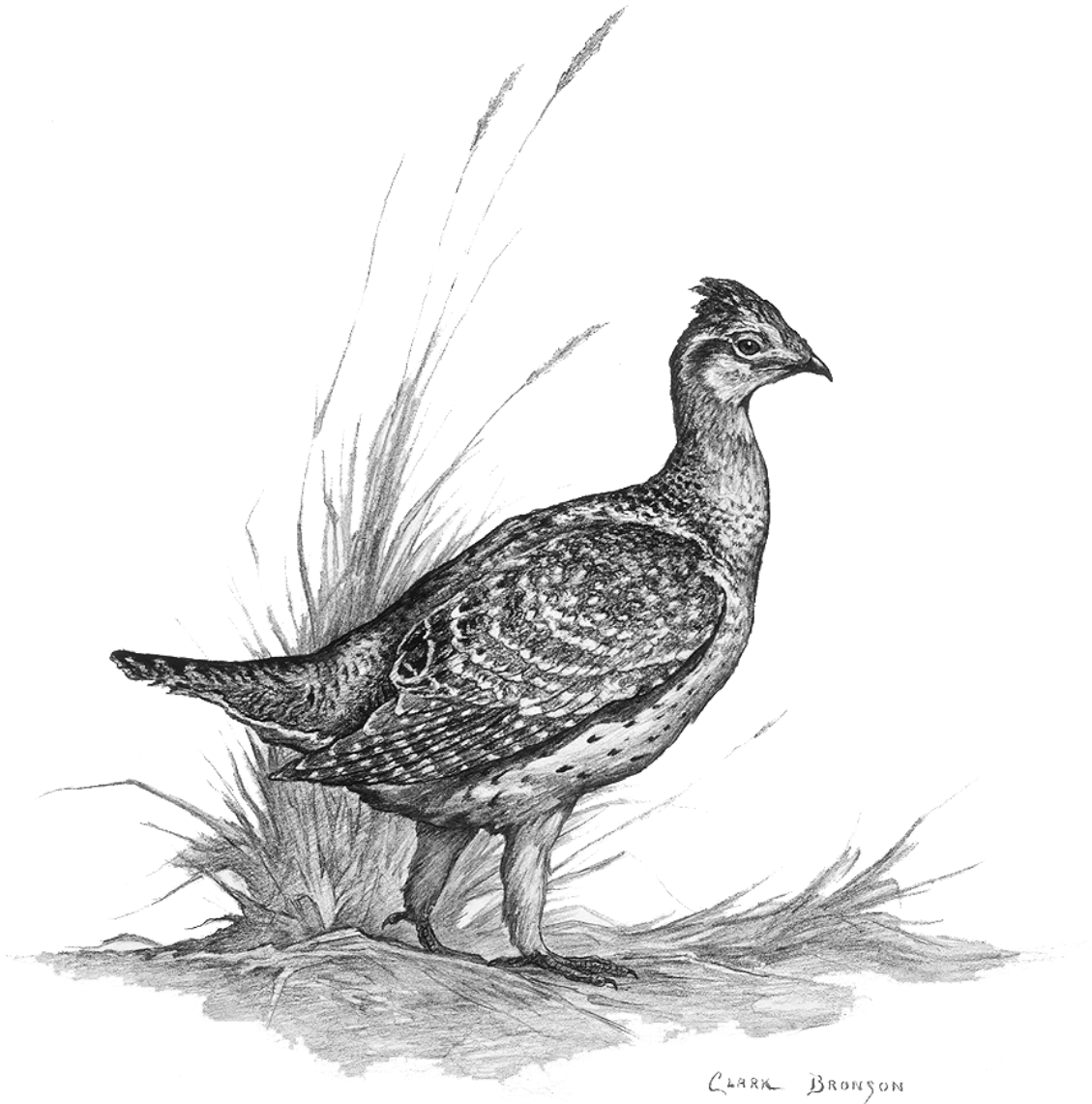
Hunt number	Region and county	Permits sold	n	Hunters afield	Hunter-days afield	Adult harvest	Young harvest	Total harvest	Crane / hunter- day	Percent success
Northern Region										
001	Box Elder County	22	20	19	35	12	2	14	0.40	73.7
002	Cache County	49	46	45	73	29	1	30	0.41	66.7
003	Rich County	23	22	20	33	17	0	17	0.52	85.0
Northeastern Region										
004	Uintah County	71	64	57	93	36	6	42	0.45	73.7
—	Total	165	152	141	234	94	9	103	0.44	73.0

152 (92%) permit holders reported

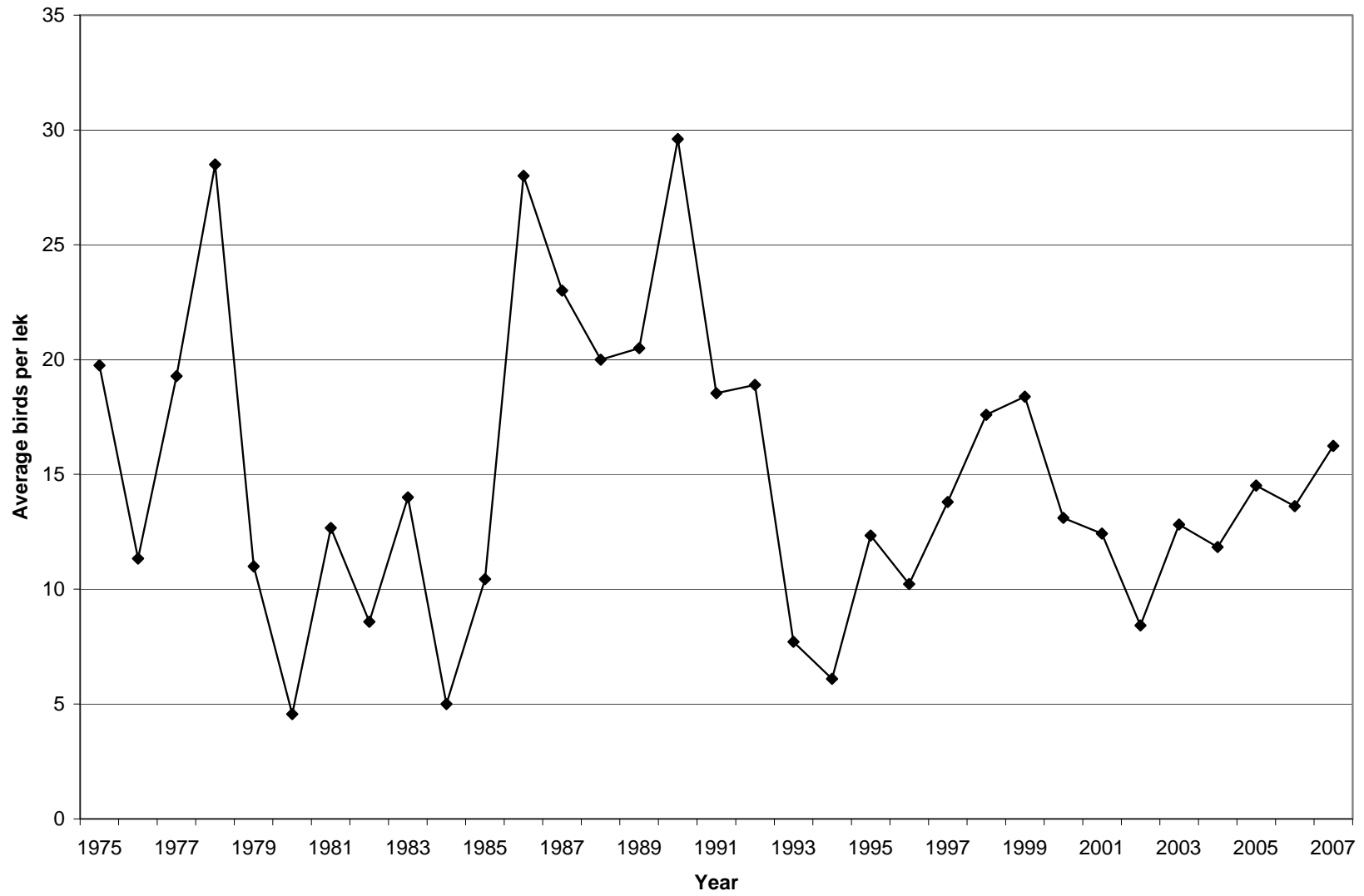
Statewide Sandhill Crane harvest statistics, Utah 1989–2007.

Year	Permits sold	Total hunters	Adult harvest	Young harvest	Total harvest	Hunter-days afield	Crane / hunter-day	Percent success
1989	100	60	49	5	54	—	—	90.0
1990	80	53	30	5	35	—	—	66.0
1991	100	70	44	4	48	—	—	68.6
1992	0	0	0	0	0	—	—	0.0
1993	50	33	26	2	28	—	—	84.8
1994	60	39	31	3	34	—	—	87.2
1995	60	41	26	1	27	—	—	65.9
1996	50	39	27	5	32	—	—	82.1
1997	50	42	27	3	30	—	—	71.4
1998	50	42	29	5	34	—	—	81.0
1999	100	82	47	7	54	—	—	65.9
2000	121	99	62	7	69	—	—	69.7
2001	122	107	70	7	77	—	—	72.0
2002	110	86	53	7	60	—	—	69.8
2003	93	79	50	7	57	—	—	72.2
2004	74	67	48	5	53	—	—	79.1
2005	93	76	54	8	62	121	0.51	81.6
2006	137	105	75	12	87	165	0.53	82.9
2007	165	141	94	9	103	234	0.44	73.0
Total (1989–2007)	1615	1261	842	102	944	520	—	—
Average (1989–2006)	81	62	42	5	47	143	0.33	75.1
% change from previous year	20	34	25	-25	18	42	-17	-12
% change from average	105	127	126	74	120	64	35	-3

# SHARP-TAILED GROUSE



Statewide trends of average Columbian Sharp-tailed Grouse per lek, Utah 1975–2007.



\*Only leks where birds were counted were used to calculate the average number of birds/lek.

Lek counts of Columbian Sharp-tailed Grouse by county, Utah 1998–2007.

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Average (1998–2006)
<b>Box Elder</b>											
Number of strutting grounds counted	21	36	41	36	39	53	58	53	50	53	43.2
Total Grouse counted	360	688	417	247	198	491	479	546	438	549	432.7
Average Grouse / lek	17.1	20.8	14.4	12.4	7.6	12.3	11.1	13.7	11.5	15	13.4
<b>Cache</b>											
Number of strutting grounds counted	8	9	10	7	3	23	28	24	20	8	13.2
Total Grouse counted	27	84	68	14	38	137	296	290	203	0	106.0
Average Grouse / lek	27.0	9.3	8.5	14.0	19.0	15.2	14.1	17.1	16.9	21	11.8
<b>Morgan</b>											
Number of strutting grounds counted	—	—	—	—	—	—	3	1	1	—	1.7
Total Grouse counted	—	—	—	—	—	—	18	6	13	—	12.3
Average Grouse / lek	—	—	—	—	—	—	6.0	6.0	13.0	—	7.4
<b>Statewide total</b>											
Number of strutting grounds counted	29	45	51	43	42	76	89	78	71	72	58.6
Total Grouse counted	387	772	485	261	236	628	793	842	654	731	568.0
Average Grouse / lek	17.6	18.4	13.1	12.4	8.4	12.8	11.8	14.5	12.8	16	13.6

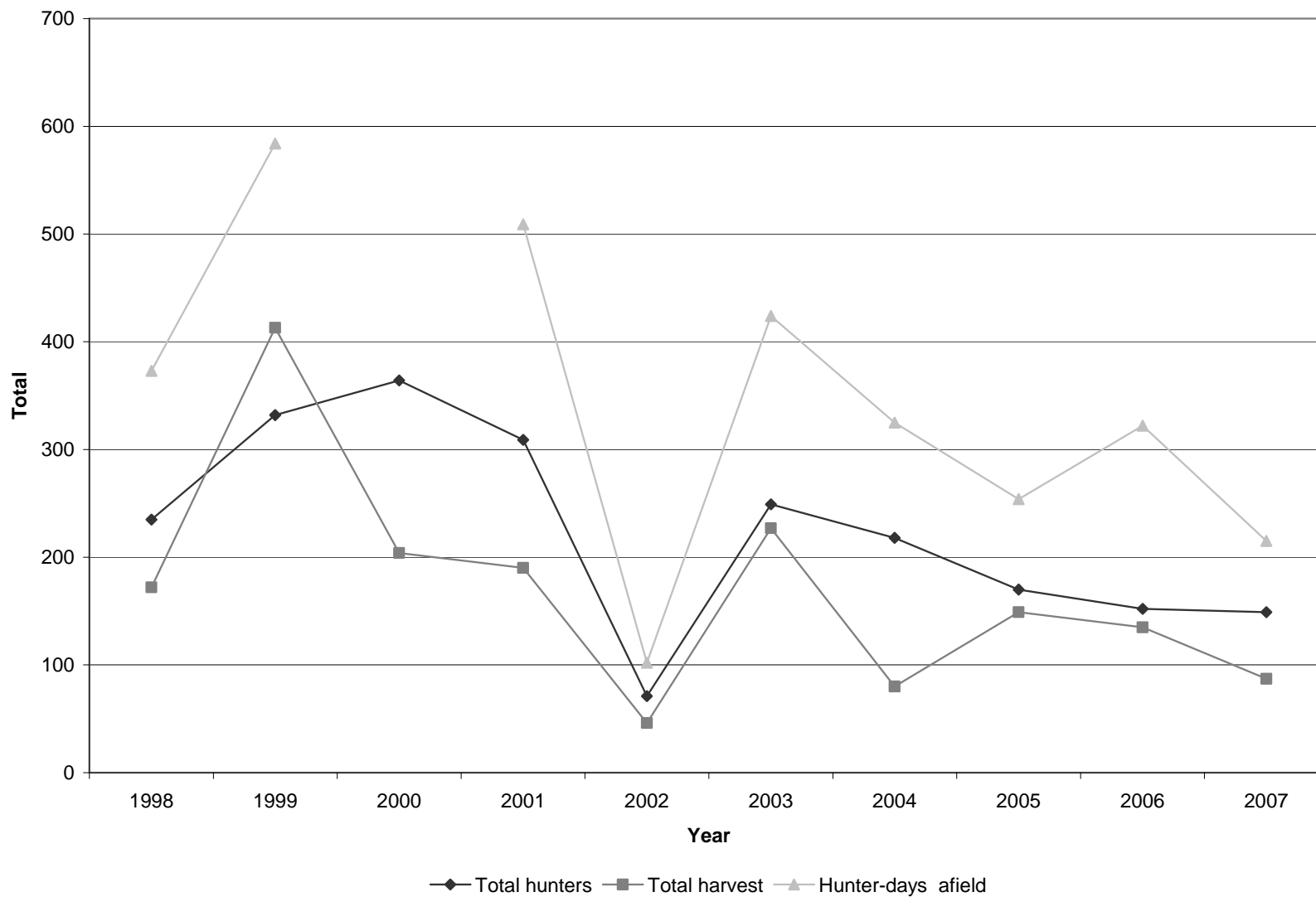
\*Only leks where birds were counted were used to calculate the average number of birds/lek.

Statewide trends of Columbian Sharp-tailed Grouse lek counts, Utah 1975–2007.

Year	Number of grounds counted	Total birds counted	Average grouse / ground
1975	4	79	19.8
1976	4	34	11.3
1977	9	135	19.3
1978	9.0	228.0	28.5
1979	17	187	11.0
1980	17	73	4.6
1981	15	190	12.7
1982	15	103	8.6
1983	7	98	14.0
1984	7	20	5.0
1985	9	94	10.4
1986	9	224	28.0
1987	10	230	23.0
1988	10	200	20.0
1989	11	205	20.5
1990	11	296	29.6
1991	27	482	18.5
1992	20	378	18.9
1993	15	108	7.7
1994	19	116	6.1
1995	13	37	12.3
1996	23	92	10.2
1997	9	69	13.8
1998	29	387	17.6
1999	45	772	18.4
2000	51	485	13.1
2001	43	261	12.4
2002	42	236	8.4
2003	76	628	12.8
2004	89	793	11.8
2005	78	842	14.5
2006	71	654	12.8
2007	45	72	731
Total (1975–2007)	667	889	9,521
Average (1975–2006)	19.4	25.5	274.7

\*Only leks where birds were counted were used to calculate the average number of birds/lek.

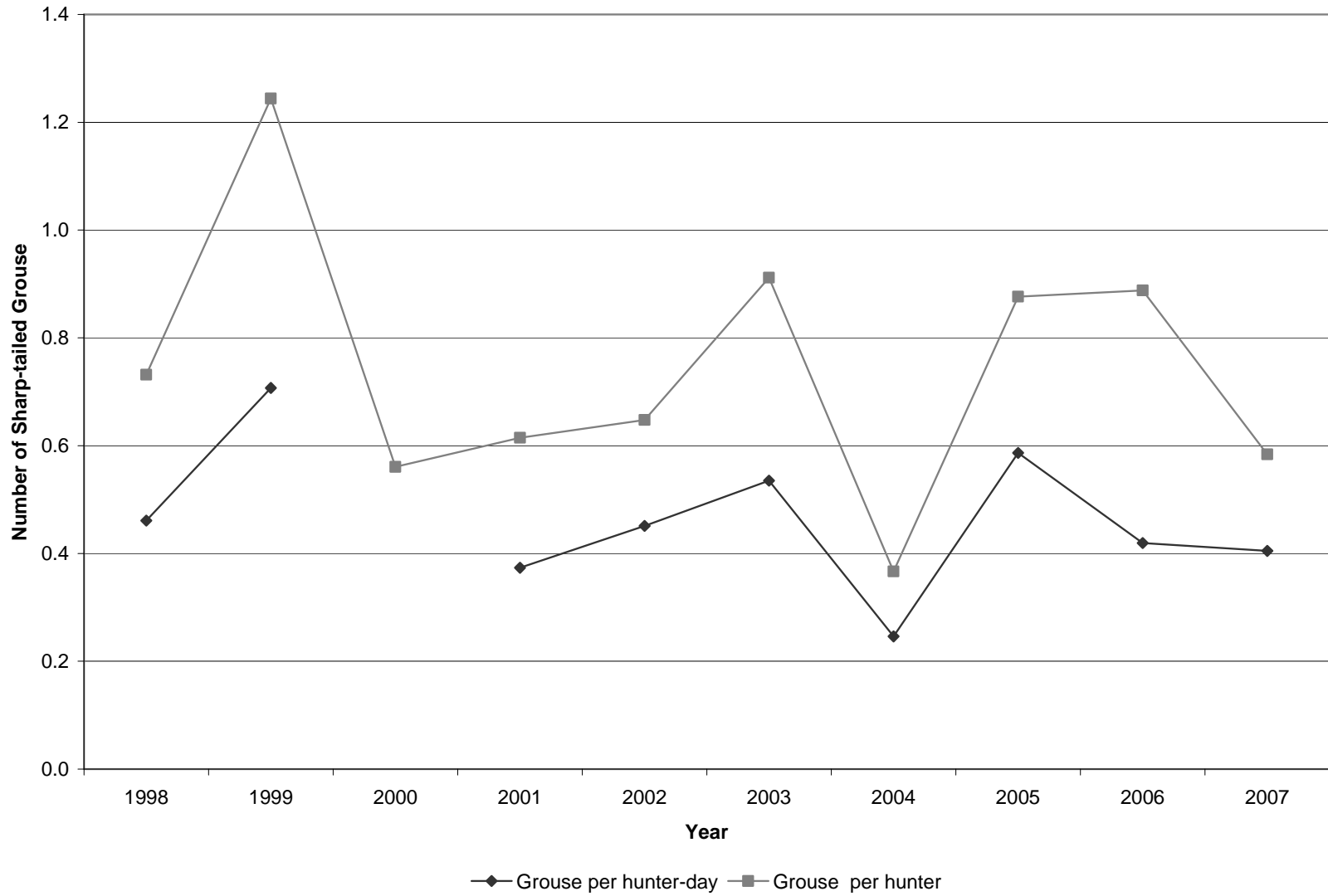
Statewide trends of Sharp-tailed Grouse harvest statistics, Utah 1998–2007.



\*Hunter-days afield data was not collected in 2000.



Statewide trends of Sharp-tailed Grouse hunter success, Utah 1998–2007.



\*Hunter-days afield data was not collected in 2000.

Sharp-tailed Grouse harvest statistics by hunt area, Utah 2007.

Region and county	n	Hunters afield	Hunter-days afield	Grouse bagged	Grouse / hunter-day	% pressure	% harvest
Northern Region							
Box Elder County		35	38	31	0.82	0.89	17.7
Blue Creek		24	38	7	0.18	0.29	17.7
Blue Springs		3	3	0	0.00	0.00	1.4
Golden Spike		17	24	21	0.88	1.24	11.2
Hansel Valley		42	70	10	0.14	0.24	32.6
Howell Valley		3	3	0	0.00	0.00	1.4
Middle Canyon		14	21	7	0.33	0.50	9.8
North Hansel		7	7	3	0.43	0.43	3.3
West Hills		3	3	3	1.00	1.00	1.4
White's Valley		3	7	3	0.43	1.00	3.3
Total*	101	149	215	87	0.40	0.58	100.0

\*Totals for hunters afield is not the total of the columns because hunters hunted multiple areas.

Projection factor = 3.48

351 permits sold

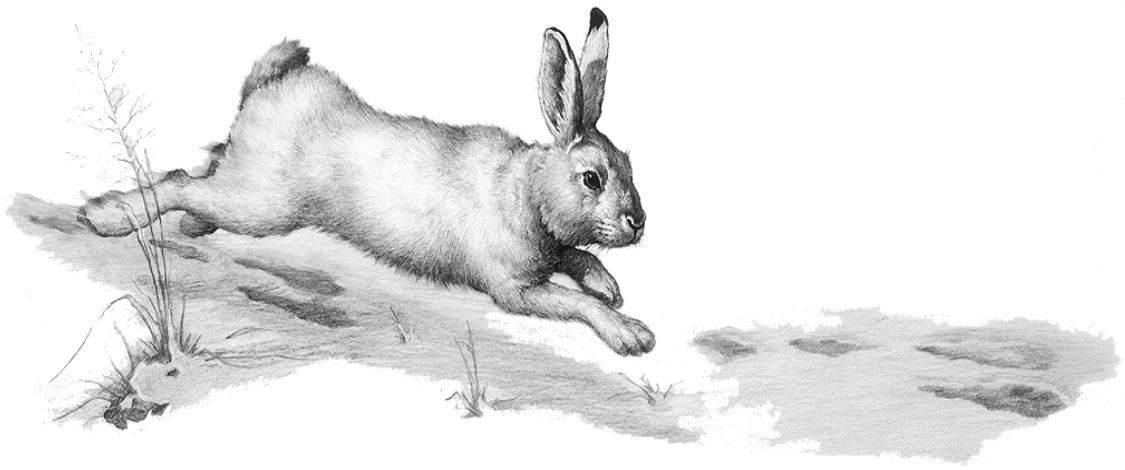
101 (29%) permit holders surveyed

Statewide Sharp-tailed Grouse harvest statistics, Utah 1998–2007.

Year	Permits sold	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1998	378	235	172	373	0.46	0.73
1999	381	332	413	584	0.71	1.24
2000	663	364	204	—	—	0.56
2001	673	309	190	509	0.37	0.61
2002	143	71	46	102	0.45	0.65
2003	427	249	227	424	0.54	0.91
2004	350	218	80	325	0.25	0.37
2005	339	170	149	254	0.59	0.88
2006	329	152	135	322	0.42	0.89
2007	351	149	87	215	0.40	0.58
Total (1998–2007)	4,034	2,249	1,703	3,108	—	—
Average (1998–2006)	409	233	180	362	0.50	0.77
% change from previous year	7	-2	-36	-33	-3	-34
% change from average	-14	-36	-52	-41	-19	-24

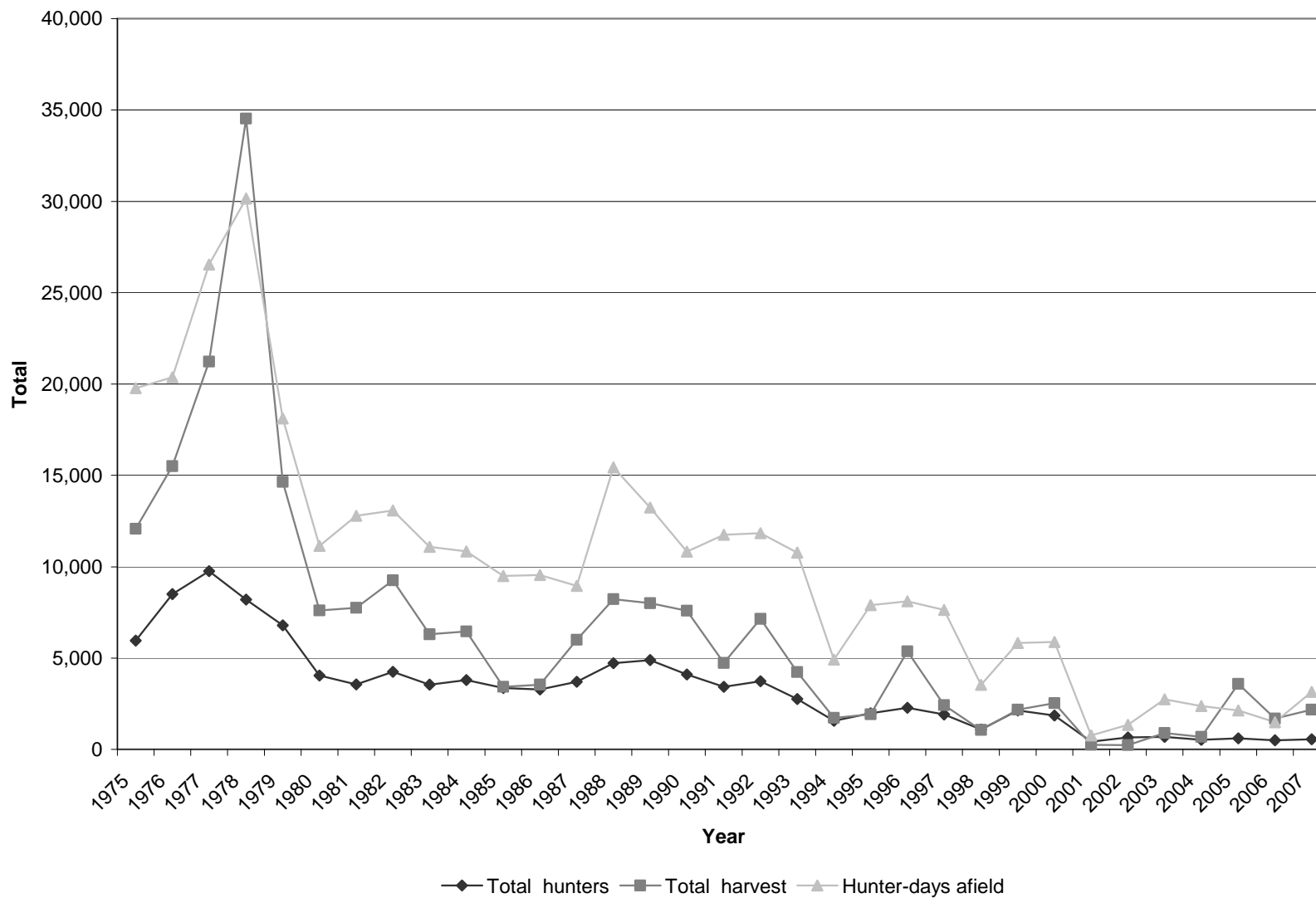
\*Hunter-days afield data was not collected in 2000.

# SNOWSHOE HARE

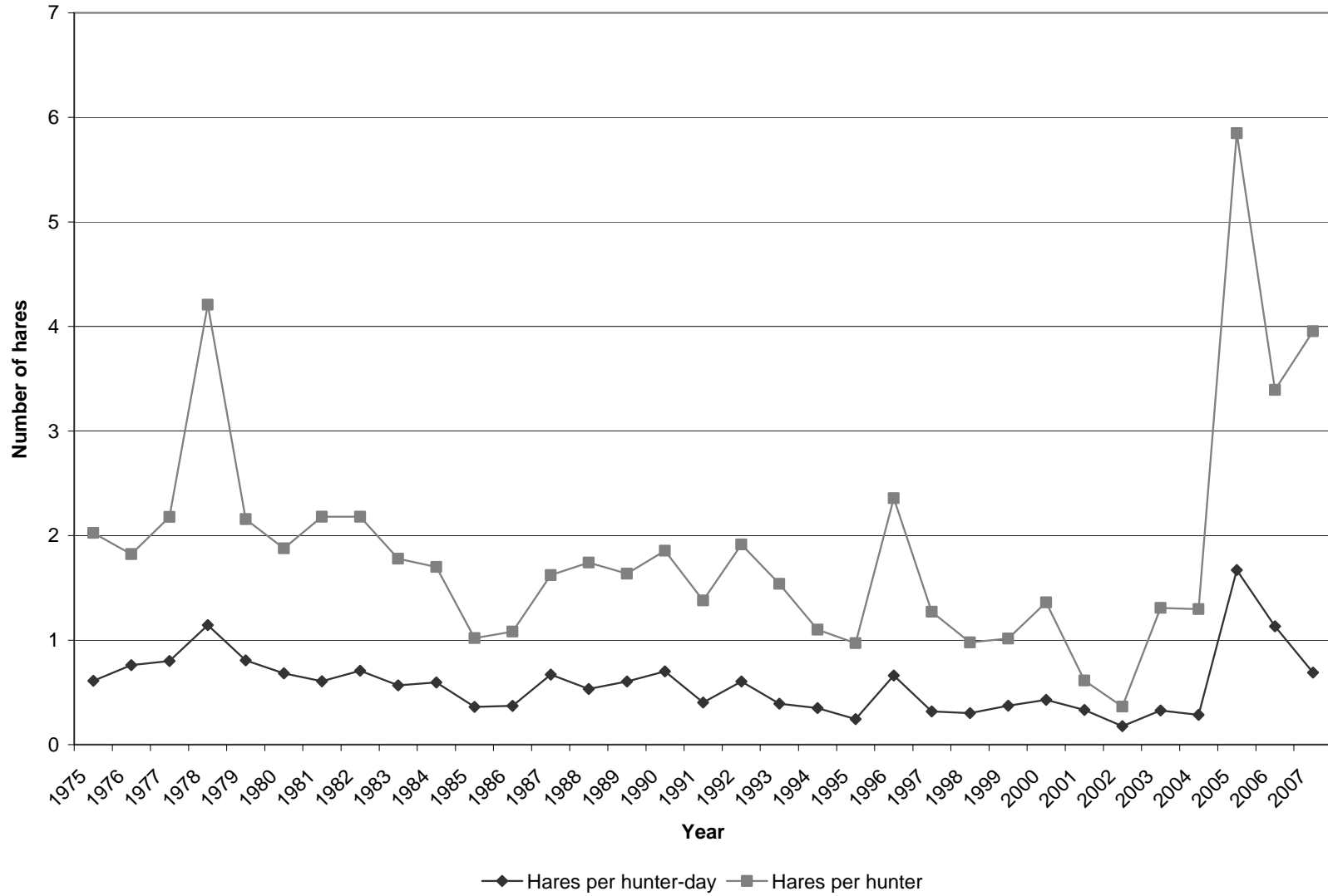


CLARK BRANSON

Statewide trends of snowshoe hare harvest statistics, Utah 1975–2007.



Statewide trends of snowshoe hare hunter success, Utah 1975–2007.



Snowshoe hare harvest statistics by region and county, Utah 2007.

Region and county	n	Hunters afield	Hunter-days afield	Hares bagged	Hares / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	1	25	50	50	1.00	1.6	2.3
Cache	1	25	25	25	1.00	0.8	1.1
Davis	0	0	0	0	—	0.0	0.0
Morgan	0	0	0	0	—	0.0	0.0
Rich	1	25	25	25	1.00	0.8	1.1
Summit	2	50	75	0	0.00	2.4	0.0
Weber	0	0	0	0	—	0.0	0.0
Regional total	5	125	175	100	0.57	5.6	4.6
Central Region							
Juab	0	0	0	0	—	0.0	0.0
Salt Lake	0	0	0	0	—	0.0	0.0
Sanpete	2	50	75	25	0.33	2.4	1.1
Tooele	1	25	250	125	0.50	7.9	5.7
Utah	3	75	100	0	0.00	3.2	0.0
Wasatch	1	25	50	0	0.00	1.6	0.0
Regional total	7	175	475	150	0.32	15.1	6.9
Southern Region							
Beaver	1	25	75	0	0.00	2.4	0.0
Garfield	1	25	500	375	0.75	15.9	17.2
Iron	0	0	0	0	—	0.0	0.0
Kane	0	0	0	0	—	0.0	0.0
Millard	0	0	0	0	—	0.0	0.0
Piute	0	0	0	0	—	0.0	0.0
Sevier	1	25	125	25	0.20	4.0	1.1
Washington	1	25	75	150	2.00	2.4	6.9
Wayne	2	50	200	100	0.50	6.4	4.6
Regional total	6	150	975	650	0.67	31.0	29.9
Northeastern Region							
Daggett	0	0	0	0	—	0.0	0.0
Duchesne	1	25	125	0	0.00	4.0	0.0
Uintah	3	75	400	500	1.25	12.7	23.0
Regional total	4	100	525	500	0.95	16.7	23.0
Southeastern Region							
Carbon	2	50	874	400	0.46	27.8	18.4
Emery	1	25	125	375	3.00	4.0	17.2
Grand	0	0	0	0	—	0.0	0.0
San Juan	0	0	0	0	—	0.0	0.0
Regional total	3	75	999	775	0.78	31.7	35.6
Unknown	0	0	0	0	—	0.0	0.0
Statewide total*	22	550	3,149	2,175	0.69	100.0	100.0

\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties.

Statewide snowshoe hare harvest statistics, Utah 1975–2007.

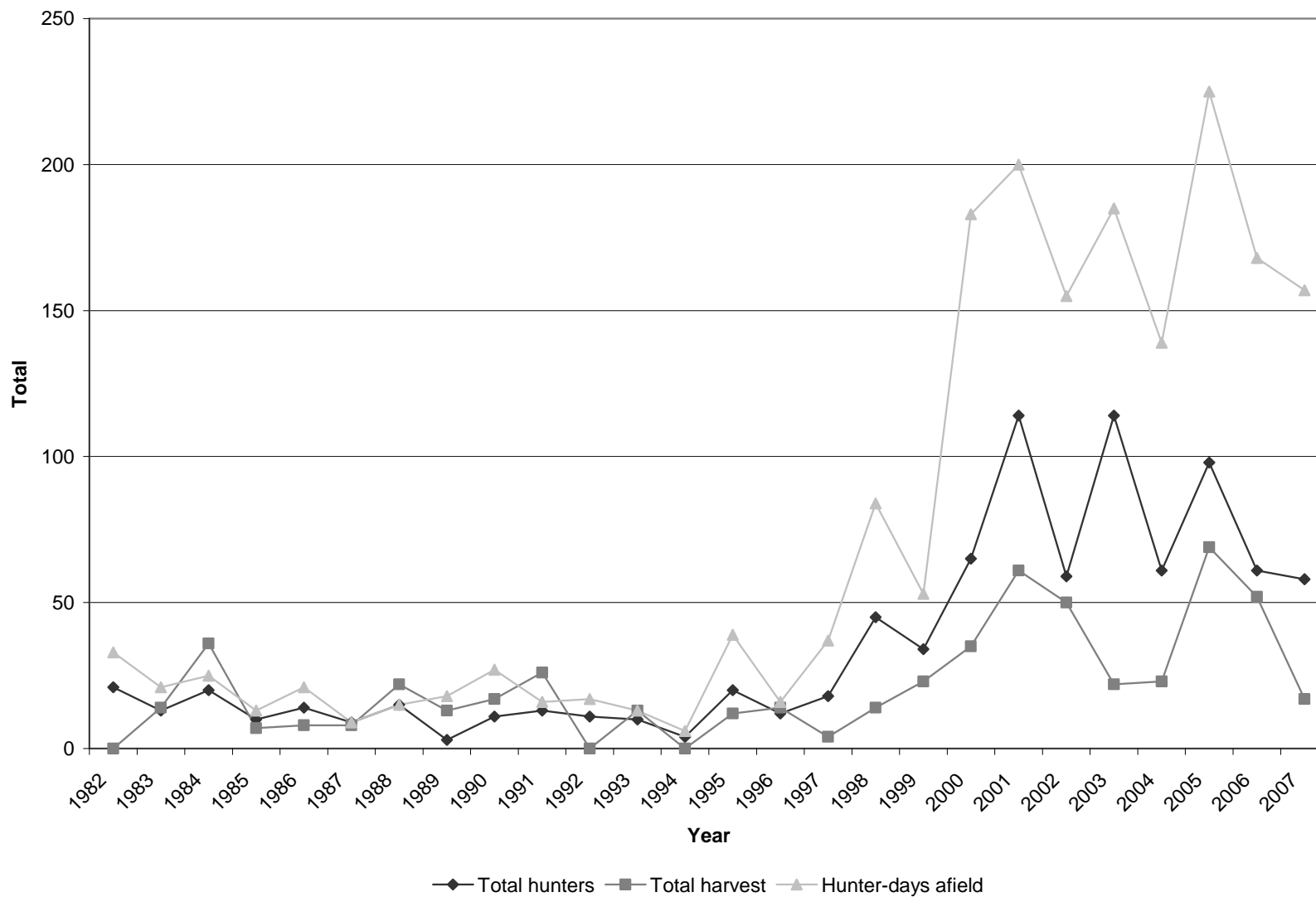
Year	Total hunters	Total harvest	Hunter-days afield	Hares / hunter-day	Hares / hunter
1975	5,961	12,072	19,770	0.61	2.03
1976	8,502	15,500	20,367	0.76	1.82
1977	9,752	21,232	26,535	0.80	2.18
1978	8,205	34,535	30,155	1.15	4.21
1979	6,787	14,641	18,115	0.81	2.16
1980	4,048	7,603	11,140	0.68	1.88
1981	3,554	7,750	12,782	0.61	2.18
1982	4,245	9,257	13,073	0.71	2.18
1983	3,544	6,302	11,088	0.57	1.78
1984	3,796	6,455	10,840	0.60	1.70
1985	3,365	3,429	9,494	0.36	1.02
1986	3,277	3,544	9,541	0.37	1.08
1987	3,702	6,005	8,947	0.67	1.62
1988	4,725	8,231	15,444	0.53	1.74
1989	4,895	8,006	13,233	0.61	1.64
1990	4,095	7,593	10,825	0.70	1.85
1991	3,427	4,731	11,742	0.40	1.38
1992	3,732	7,144	11,836	0.60	1.91
1993	2,755	4,237	10,774	0.39	1.54
1994	1,565	1,722	4,922	0.35	1.10
1995	1,983	1,924	7,891	0.24	0.97
1996	2,276	5,365	8,106	0.66	2.36
1997	1,912	2,431	7,628	0.32	1.27
1998	1,093	1,070	3,536	0.30	0.98
1999	2,139	2,173	5,831	0.37	1.02
2000	1,855	2,526	5,879	0.43	1.36
2001	417	256	768	0.33	0.61
2002	658	240	1,348	0.18	0.36
2003	686	897	2,747	0.33	1.31
2004	525	681	2,377	0.29	1.30
2005	612	3,580	2,142	1.67	5.85
2006	496	1,683	1,485	1.13	3.39
2007	550	2,175	3,149	0.69	3.95
Total (1975–2007)	109,134	214,990	333,510	—	—
Average (1975–2006)	3,393	6,650	10,324	0.64	1.96
% change from previous year	11	29	112	-39	17
% change from average	-84	-67	-69	7	102



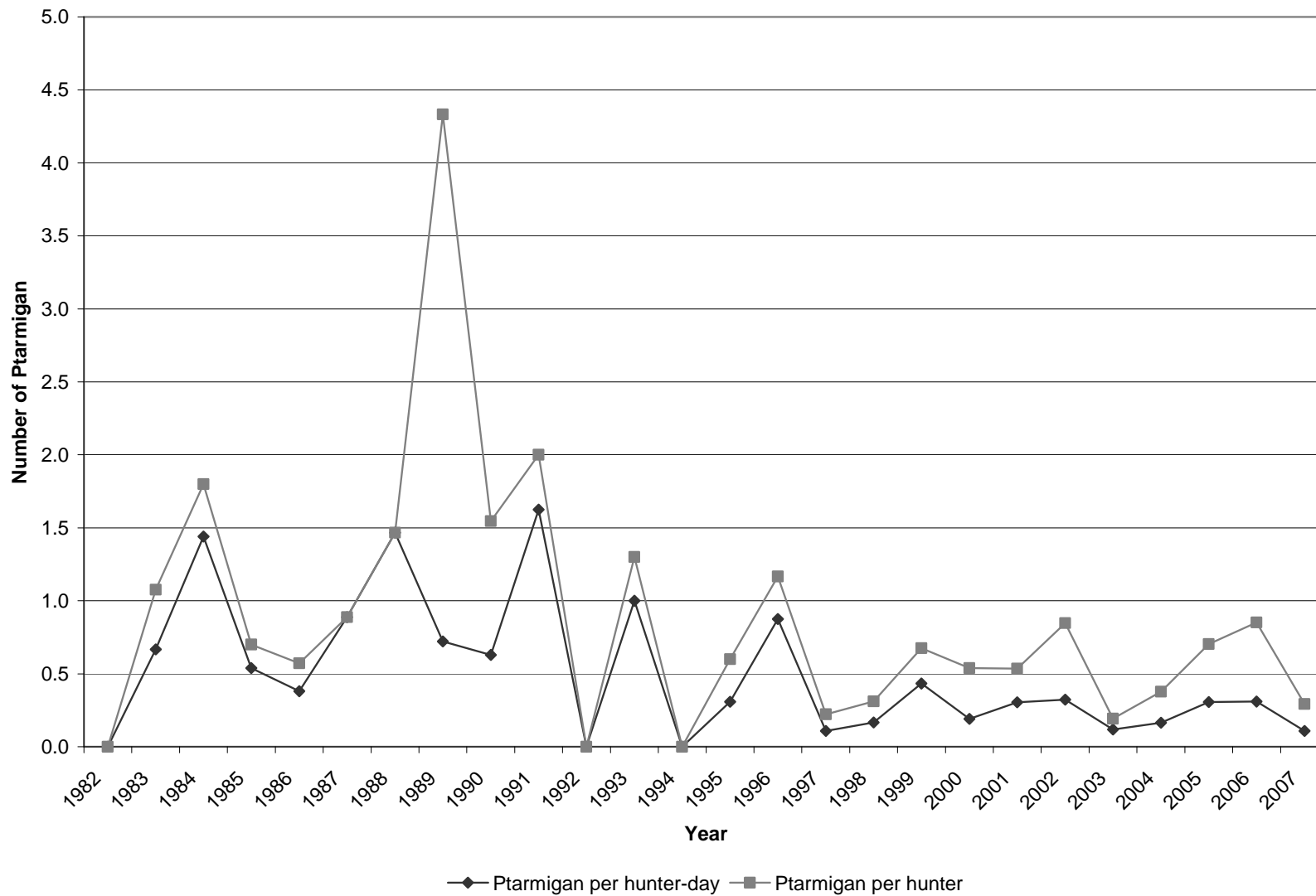
# WHITE-TAILED PTARMIGAN



Statewide trends of White-tailed Ptarmigan harvest statistics, Utah 1982–2007.



Statewide trends of White-tailed Ptarmigan hunter success, Utah 1982–2007.



White-tailed Ptarmigan harvest statistics by region and county, Utah 2007.

Region and county	n	Hunters afield	Hunter-days afield	Ptarmigan bagged	Ptarmigan / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	—	—	—	—	—	—	—
Cache	—	—	—	—	—	—	—
Davis	—	—	—	—	—	—	—
Morgan	—	—	—	—	—	—	—
Rich	—	—	—	—	—	—	—
Summit	2	6	12	0	0.00	7.6	0.0
Weber	1	3	6	0	0.00	3.8	0.0
Regional total	3	9	18	0	0.00	11.5	0.0
Central Region							
Juab	—	—	—	—	—	—	—
Salt Lake	—	—	—	—	—	—	—
Sanpete	—	—	—	—	—	—	—
Tooele	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—
Wasatch	—	—	—	—	—	—	—
Regional total	—	—	—	—	—	—	—
Southern Region							
Beaver	—	—	—	—	—	—	—
Garfield	—	—	—	—	—	—	—
Iron	—	—	—	—	—	—	—
Kane	—	—	—	—	—	—	—
Millard	—	—	—	—	—	—	—
Piute	—	—	—	—	—	—	—
Sevier	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—
Wayne	—	—	—	—	—	—	—
Regional total	—	—	—	—	—	—	—
Northeastern Region							
Daggett	4	12	32	0	0.00	20.4	0.0
Duchesne	5	14	58	0	0.00	36.9	0.0
Uintah	4	12	20	0	0.00	12.7	0.0
Regional total	13	38	110	0	0.00	70.1	0.0
Southeastern Region							
Carbon	—	—	—	—	—	—	—
Emery	—	—	—	—	—	—	—
Grand	—	—	—	—	—	—	—
San Juan	—	—	—	—	—	—	—
Regional total	—	—	—	—	—	—	—
Unknown	5	14	29	17	0.59	18.5	100.0
Statewide total**	20	58	157	17	0.11	100.0	100.0

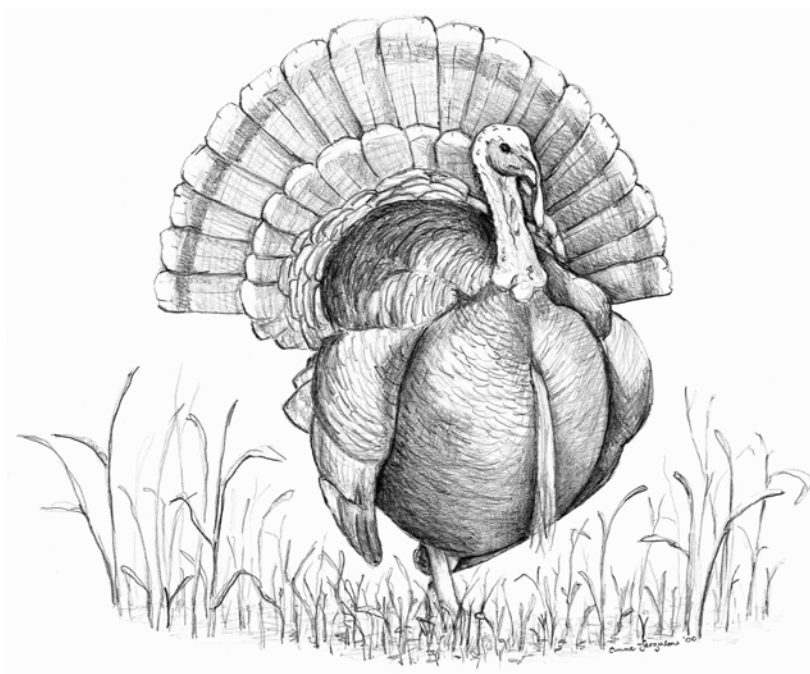
\*White-tailed Ptarmigan are only found in high elevation areas in Daggett, Duchesne, Summit, and Uintah counties; however, one surveyed hunter reported to have hunted Ptarmigan in Weber county.

\*\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties. Projection factor = 2.89; 292 permits sold; 101 (36%) permit holders surveyed.

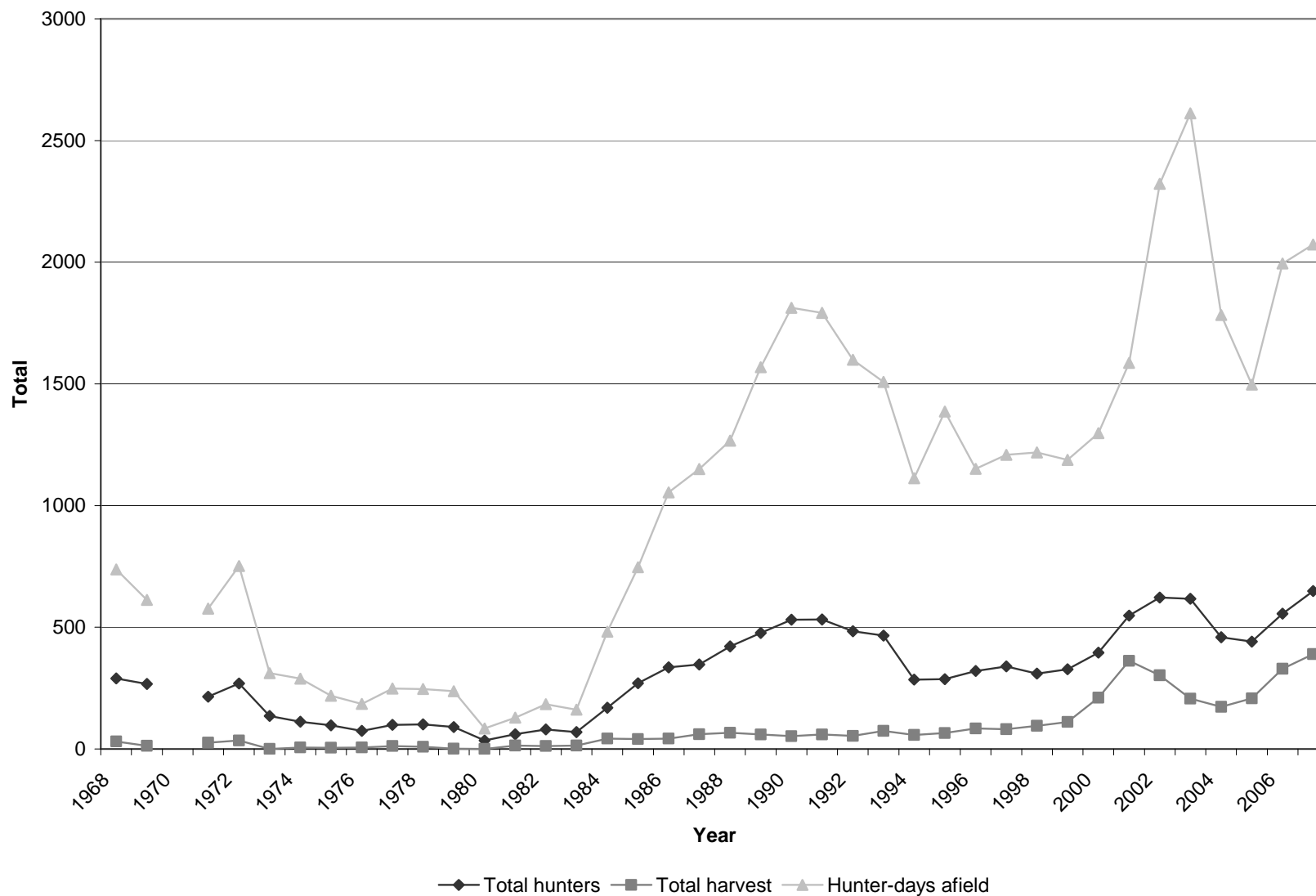
Statewide White-tailed Ptarmigan harvest statistics, Utah 1982–2007.

Year	Total hunters	Total harvest	Hunter-days afield	Ptarmigan / hunter-day	Ptarmigan / hunter
1982	21	0	33	0.00	0.00
1983	13	14	21	0.67	1.08
1984	20	36	25	1.44	1.80
1985	10	7	13	0.54	0.70
1986	14	8	21	0.38	0.57
1987	9	8	9	0.89	0.89
1988	15	22	15	1.47	1.47
1989	3	13	18	0.72	4.33
1990	11	17	27	0.63	1.55
1991	13	26	16	1.63	2.00
1992	11	0	17	0.00	0.00
1993	10	13	13	1.00	1.30
1994	4	0	6	0.00	0.00
1995	20	12	39	0.31	0.60
1996	12	14	16	0.88	1.17
1997	18	4	37	0.11	0.22
1998	45	14	84	0.17	0.31
1999	34	23	53	0.43	0.68
2000	65	35	183	0.19	0.54
2001	114	61	200	0.31	0.54
2002	59	50	155	0.32	0.85
2003	114	22	185	0.12	0.19
2004	61	23	139	0.17	0.38
2005	98	69	225	0.31	0.70
2006	61	52	168	0.31	0.85
2007	58	17	157	0.11	0.29
Total (1982–2007)	913	560	1,875	—	—
Average (1982–2006)	34	22	69	0.32	0.64
% change from previous year	-5	-67	-7	-65	-66
% change from average	70	-22	128	-66	-54

# WILD TURKEY



Statewide trends of spring Merriam's Wild Turkey harvest statistics, Utah 1968–2007.

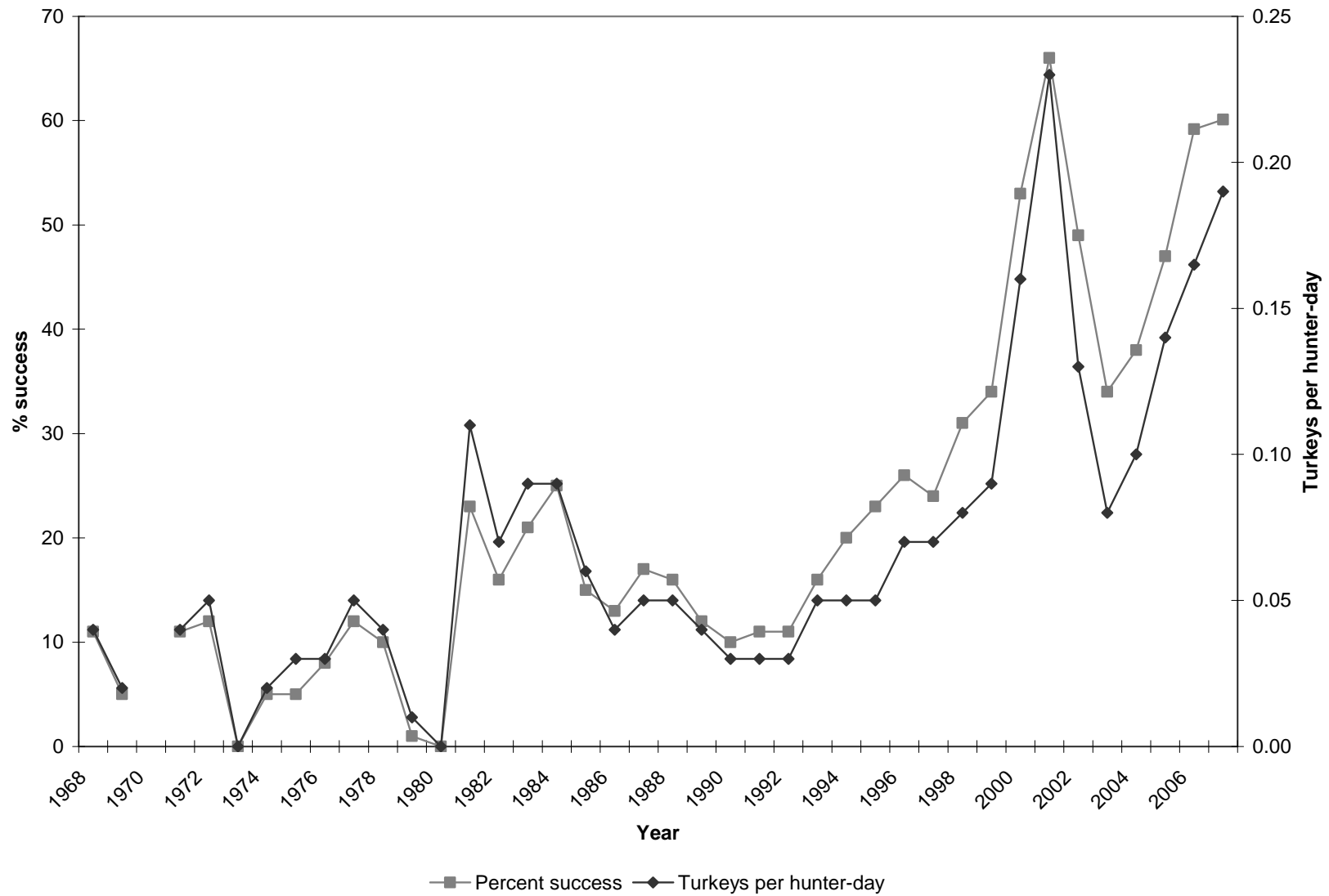


\*No spring season in 1970.

\*\*2002–2004 data does not include conservation permit information.

\*\*\*2005 data does not include conservation permit or landowner permit information.

Statewide trends of spring Merriam's Wild Turkey hunter success, Utah 1968–2007.



\*No spring season in 1970.

\*\*2002–2004 data does not include conservation permit information.

\*\*\*2005 data does not include conservation permit or landowner permit information.



Merriam's Wild Turkey harvest statistics by hunt, Utah 2007.

Hunt name	n	Permits sold			Hunters afield	Turkeys bagged	Total hunter-days afield	Mean hunter-days afield	% success	Turkeys bagged / hunter-day
		Public	Landowner	Total						
<b>Boulder</b>										
A	21	61	0	61	55	41	104	1.9	74.5	0.39
B	17	46	0	46	43	27	141	3.3	62.8	0.19
C	16	45	0	45	39	6	166	4.3	15.4	0.04
Conservation	3	—	—	7	7	7	30	4.3	100.0	0.23
Total	57	152	0	159	144	81	441	3.1	56.3	0.18
<b>La Sal</b>										
A	11	19	0	19	17	12	48	2.8	70.6	0.25
B	10	19	0	19	19	11	101	5.3	57.9	0.11
C	15	26	0	26	26	7	97	3.7	26.9	0.07
Conservation	0	—	—	3	—	—	—	—	—	—
Total	36	64	0	67	62	30	246	4.0	48.4	0.12
<b>San Juan</b>										
A	22	54	2	56	53	43	117	2.2	81.1	0.37
B	20	54	1	55	50	41	110	2.2	82.0	0.37
C	22	66	0	66	63	48	237	3.8	76.2	0.20
Conservation	4	—	—	8	8	8	28	3.5	100.0	0.29
Total	68	174	3	185	174	140	492	2.8	80.5	0.28
<b>Zion</b>										
A	36	98	4	102	94	65	238	2.5	69.1	0.27
B	31	84	4	88	85	40	312	3.7	47.1	0.13
C	34	99	2	101	80	30	315	3.9	37.5	0.10
Conservation	2	—	—	8	8	4	24	3.0	50.0	0.17
Total	103	281	10	299	267	139	889	3.3	52.1	0.16
Redd Ranches CWMU	2	—	—	3	2	0	5	2.5	0.0	0.00
Statewide total	266	671	13	713	649	390	2,073	3.2	60.1	0.19

Average number of Merriam's Wild Turkeys observed while hunting, Utah 2007.

Hunt name	n	Mean number of Turkeys observed / hunter				
		Gobblers	Hens	Jakes	Unidentified	Total
<b>Boulder Mountain</b>						
A	19	5.1	16.0	6.4	8.0	35.5
B	16	3.2	9.3	2.3	1.7	16.5
C	14	3.1	14.1	3.7	0.2	21.1
Conservation	3	9.7	19.7	6.7	0.0	36.1
Average	52	4.2	13.6	4.4	3.5	25.8
<b>La Sal</b>						
A	10	5.0	9.9	1.8	0.0	16.7
B	10	6.6	6.2	3.9	1.9	18.6
C	15	1.3	1.9	0.4	0.3	3.9
Conservation	0					
Average	35	3.9	5.4	1.8	0.7	11.8
<b>San Juan</b>						
A	19	15.4	24.1	8.1	1.0	48.5
B	18	10.9	16.7	8.1	5.3	41.0
C	21	12.0	19.4	6.8	5.0	43.2
Conservation	4	9.5	29.3	9.3	4.3	52.4
Average	62	12.6	20.7	7.7	3.8	44.8
<b>Zion</b>						
A	30	9.3	17.0	6.3	3.8	36.5
B	28	4.1	12.7	4.7	2.2	23.8
C	27	4.0	10.9	2.4	2.1	19.4
Conservation	2	6.0	30.0	12.5	0.0	48.5
Average	87	5.9	14.0	4.7	2.7	27.4
Redd Ranches CWMU	2	3.0	2.0	0.0	0.0	5.0
Statewide average	244	6.9	14.3	5.1	2.8	29.1

Statewide Merriam's Wild Turkey spring season harvest statistics, Utah 1968–2007.

Year	Total permits	Total hunters	Total harvest	Hunter-days afield	% success	Turkeys / hunter-day	% of hunters observing Turkeys
1968	310	290	31	738	11	0.04	41
1969	276	267	13	612	5	0.02	22
1970	—	—	—	—	—	—	—
1971	223	215	26	576	11	0.04	38
1972	285	269	35	751	12	0.05	39
1973	150	135	0	311	0	0.00	10
1974	121	112	6	289	5	0.02	22
1975	103	97	5	219	5	0.03	29
1976	81	74	6	185	8	0.03	32
1977	108	99	12	248	12	0.05	39
1978	116	101	9	246	10	0.04	42
1979	113	90	1	237	1	0.01	8
1980	40	35	0	84	0	0.00	17
1981	83	60	14	129	23	0.11	53
1982	91	80	12	184	16	0.07	62
1983	92	69	14	161	21	0.09	55
1984	190	169	43	482	25	0.09	72
1985	314	270	41	747	15	0.06	52
1986	362	335	43	1,054	13	0.04	57
1987	384	347	60	1,150	17	0.05	57
1988	490	421	66	1,267	16	0.05	50
1989	527	477	59	1,568	12	0.04	55
1990	579	531	52	1,812	10	0.03	51
1991	587	532	59	1,792	11	0.03	49
1992	538	484	53	1,599	11	0.03	45

\*No spring season in 1970.

\*\*2002–2004 data does not include conservation permit information.

\*\*\*2005 data does not include conservation permit or landowner permit information.

Statewide Merriam's Wild Turkey spring season harvest statistics, Utah 1968–2007 (cont.).

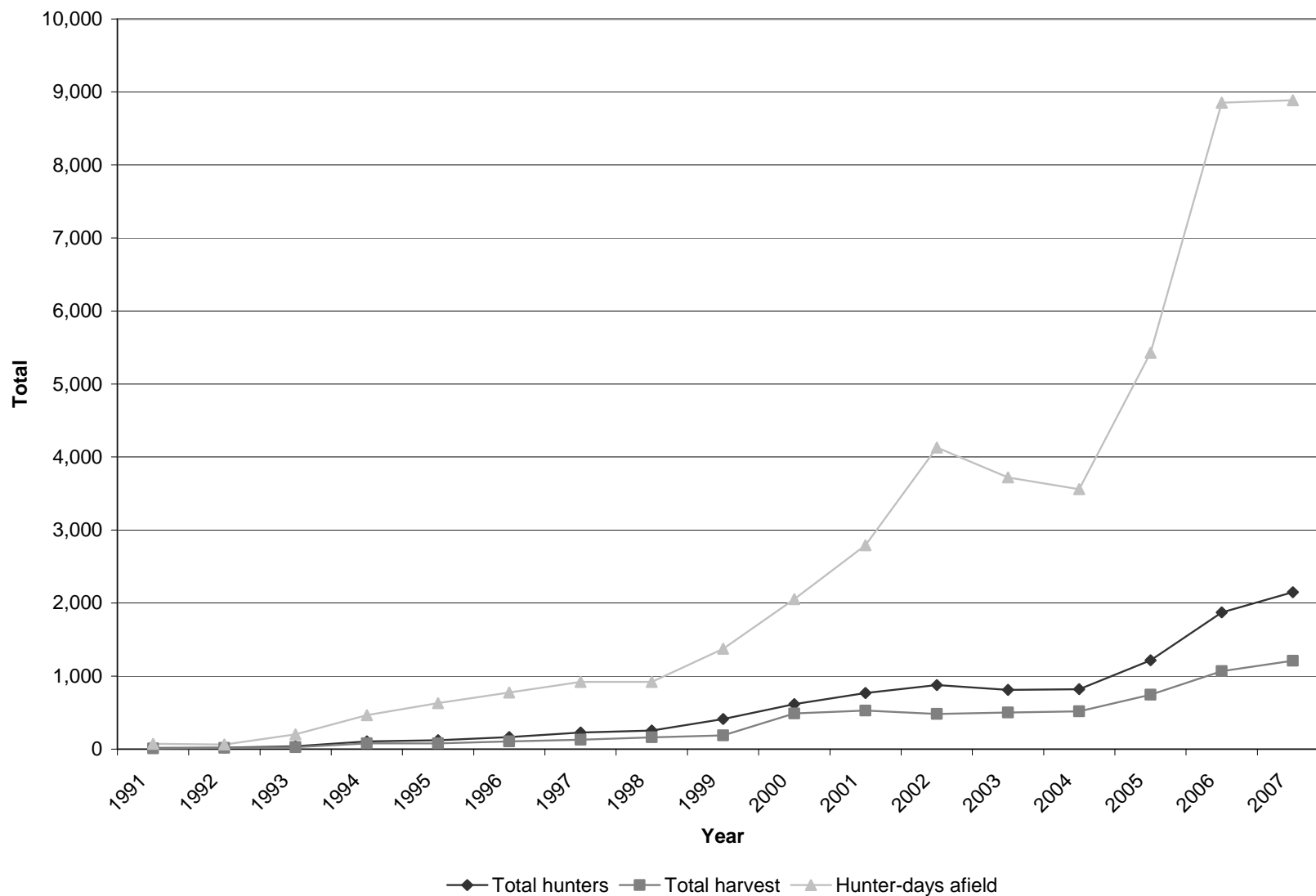
Year	Total permits	Total hunters	Total harvest	Hunter-days afield	% success	Turkeys / hunter-day	% of hunters observing Turkeys
1993	500	466	74	1,508	16	0.05	54
1994	335	285	57	1,112	20	0.05	—
1995	335	287	65	1,386	23	0.05	40
1996	355	320	84	1,151	26	0.07	78
1997	362	339	81	1,208	24	0.07	87
1998	358	309	95	1,218	31	0.08	18
1999	355	327	111	1,188	34	0.09	84
2000	431	396	211	1,297	53	0.16	77
2001	569	548	362	1,586	66	0.23	90
2002	689	622	303	2,322	49	0.13	—
2003	660	617	207	2,611	34	0.08	—
2004	493	459	173	1,783	38	0.10	88
2005	561	441	208	1,497	47	0.14	88
2006	633	556	329	1,994	59	0.16	93
2007	713	649	390	2,073	60	0.19	93
Total (1968–2007)	13,512	12,180	3,410	40,375	—	—	—
Average (1968–2006)	337	303	79	1008	21	0.07	51
% change from previous year	13	17	19	4	2	15	0
% change from average	112	114	391	106	189	191	82

\*No spring season in 1970.

\*\*2002–2004 data does not include conservation permit information.

\*\*\*2005 data does not include conservation permit or landowner permit information.

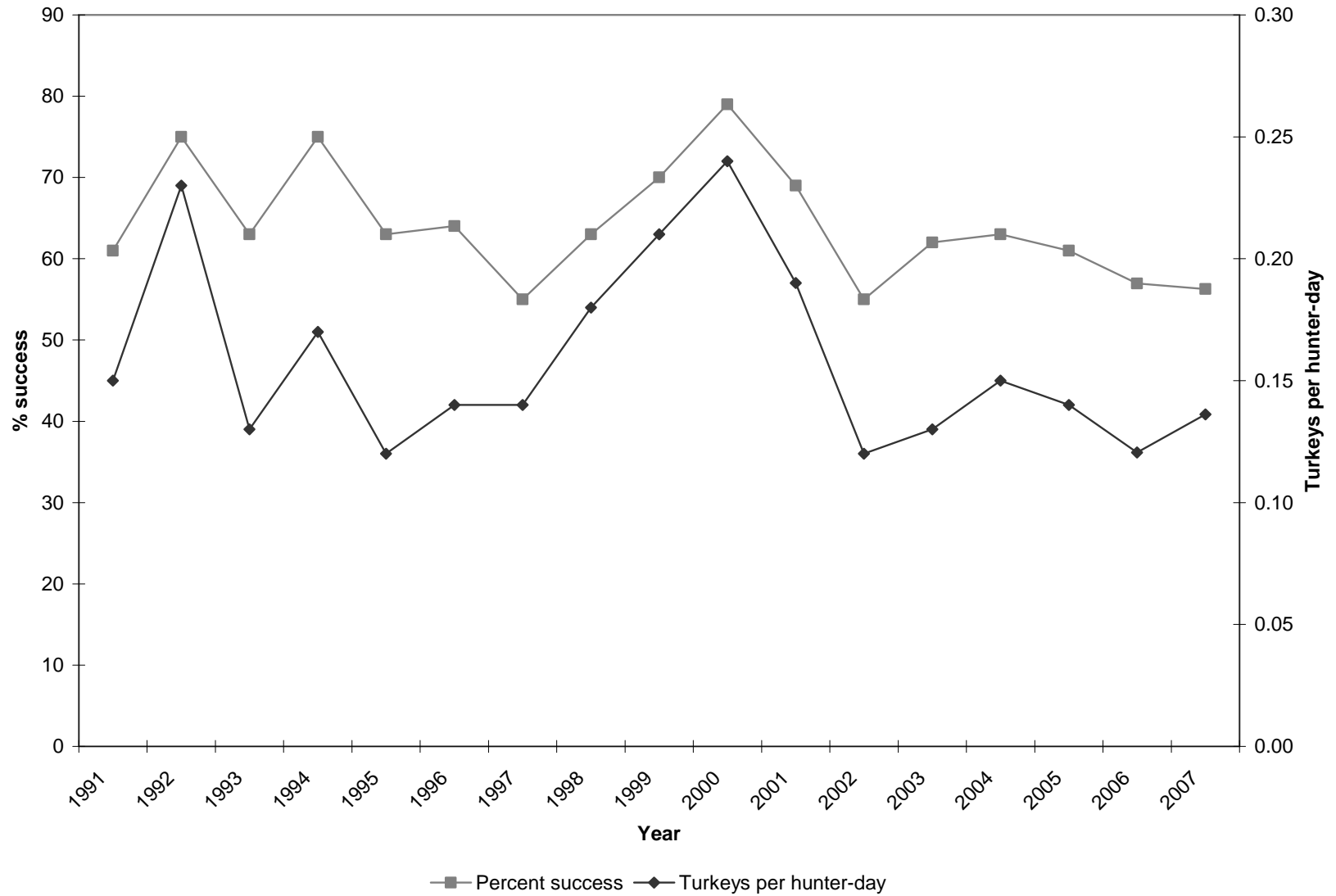
Statewide trends of spring Rio Grande Wild Turkey harvest statistics, Utah 1991–2007.



\*2002–2004 data does not include conservation permit information.

\*\*2005 data does not include conservation permit or landowner permit information.

Statewide trends of spring Rio Grande Wild Turkey hunter success, Utah 1991–2007.



\*2002–2004 data does not include conservation permit information.

\*\*2005 data does not include conservation permit or landowner permit information.

Rio Grande Wild Turkey harvest statistics by hunt, Utah 2007.

Hunt name	n	Permits sold			Hunters afield	Turkeys bagged	Total hunter-days afield	Mean hunter-days afield	% success	Turkeys bagged / hunter-day
		Public	Landowner	Total						
<b>Beaver</b>										
A	20	40	0	40	40	32	122	3.1	80.0	0.26
B	20	45	1	46	46	23	212	4.6	50.0	0.11
C	18	36	0	36	34	8	223	6.6	23.5	0.04
Conservation	5	—	—	5	5	4	23	4.6	80.0	0.17
<b>Total</b>	<b>63</b>	<b>121</b>	<b>1</b>	<b>127</b>	<b>125</b>	<b>67</b>	<b>580</b>	<b>4.6</b>	<b>53.6</b>	<b>0.12</b>
<b>Beaver (West)</b>										
A	3	5	0	5	5	3	18	3.6	60.0	0.17
B	2	5	0	5	5	3	18	3.6	60.0	0.17
C	3	5	0	5	5	3	28	5.6	60.0	0.11
<b>Total</b>	<b>8</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>15</b>	<b>9</b>	<b>64</b>	<b>4.3</b>	<b>60.0</b>	<b>0.14</b>
<b>Book Cliffs (South)</b>										
A	3	6	0	6	6	6	10	1.7	100.0	0.60
<b>Cache</b>										
Early	34	70	18	88	85	60	339	4.0	70.6	0.18
Late	39	84	16	100	100	62	477	4.8	62.0	0.13
Conservation	3	—	—	8	8	8	13	1.6	100.0	0.62
<b>Total</b>	<b>76</b>	<b>154</b>	<b>34</b>	<b>196</b>	<b>193</b>	<b>130</b>	<b>829</b>	<b>4.3</b>	<b>67.4</b>	<b>0.16</b>
<b>Caineville/Henry Mountains</b>										
A	11	24	0	24	24	15	93	3.9	62.5	0.16
<b>Central Mtns., East Manti</b>										
A	8	15	1	16	16	10	60	3.8	62.5	0.17
<b>Central Mtns., Nebo</b>										
A	29	70	7	77	74	29	327	4.4	39.2	0.09
B	27	67	9	76	73	37	406	5.6	50.7	0.09
C	27	76	2	78	66	20	438	6.6	30.3	0.05
Conservation	6	—	—	8	8	7	85	10.6	87.5	0.08
<b>Total</b>	<b>89</b>	<b>213</b>	<b>18</b>	<b>239</b>	<b>221</b>	<b>93</b>	<b>1,256</b>	<b>5.7</b>	<b>42.1</b>	<b>0.07</b>
<b>Central Mtns., West Manti</b>										
Early	10	19	5	24	22	10	103	4.7	45.5	0.10
Late	11	23	1	24	20	17	74	3.7	85.0	0.23
Conservation	1	—	—	2	2	0	4	2.0	0.0	0.00
<b>Total</b>	<b>22</b>	<b>42</b>	<b>6</b>	<b>50</b>	<b>44</b>	<b>27</b>	<b>181</b>	<b>4.1</b>	<b>61.4</b>	<b>0.15</b>

Rio Grande Wild Turkey harvest statistics by hunt, Utah 2007 (cont.).

Hunt name	n	Permits sold			Hunters afield	Turkeys bagged	Total hunter-days afield	Mean hunter-days afield	% success	Turkeys bagged / hunter-day
		Public	Landowner	Total						
Central Region, West										
Early	26	46	10	56	52	43	230	4.4	82.7	0.19
Late	23	51	4	55	53	31	270	5.1	58.5	0.11
Conservation	3	—	—	5	5	3	17	3.4	60.0	0.18
Total	52	97	14	116	110	77	517	4.7	70.0	0.15
Chalk Creek										
Early	12	22	5	27	27	14	117	4.3	51.9	0.12
Late	7	19	0	19	19	11	38	2.0	57.9	0.29
Conservation	1	—	—	2	2	2	20	10.0	100.0	0.10
Total	20	41	5	48	48	27	175	3.6	56.3	0.15
Colorado River										
A	6	10	0	10	10	8	30	3.0	80.0	0.27
B	4	10	0	10	8	5	30	3.8	62.5	0.17
C	4	9	0	9	2	2	7	3.5	100.0	0.29
Conservation	0	—	—	1	—	—	—	—	—	—
Total	14	29	0	30	20	15	67	3.4	75.0	0.22
East Canyon										
Conservation	1	—	—	2	2	2	14	7.0	100.0	0.14
Total	29	65	8	73	60	42	262	4.4	70.0	0.16
Fillmore, Oak Creek										
A	17	24	5	29	29	20	84	2.9	69.0	0.24
B	18	24	5	29	29	15	114	3.9	51.7	0.13
C	12	23	5	28	23	12	140	6.1	52.2	0.09
Conservation	0	—	—	4	—	—	—	—	—	—
Total	47	71	15	90	81	47	338	4.2	58.0	0.14
Fillmore, Pahvant										
A	22	51	3	54	54	25	206	3.8	46.3	0.12
B	25	47	7	54	48	24	164	3.4	50.0	0.15
C	20	41	3	44	44	13	165	3.8	29.5	0.08
Conservation	0	—	—	6	—	—	—	—	—	—
Total	67	139	13	158	146	62	535	3.7	42.5	0.12



Rio Grande Wild Turkey harvest statistics by hunt, Utah 2007 (cont.).

Hunt name	n	Permits sold			Hunters afield	Turkeys bagged	Total hunter-days afield	Mean hunter-days afield	% success	Turkeys bagged / hunter-day
		Public	Landowner	Total						
Green River										
A	9	14	3	17	17	9	40	2.4	52.9	0.23
B	6	14	3	17	14	9	37	2.6	64.3	0.24
C	10	14	3	17	15	7	70	4.7	46.7	0.10
Conservation	3	—	—	3	3	3	10	3.3	100.0	0.30
Total	28	42	9	54	49	28	157	3.2	57.1	0.18
Kaiparowits										
Early	7	10	0	10	9	7	13	1.4	77.8	0.54
Late	4	9	0	9	9	9	36	4.0	100.0	0.25
Conservation	1	—	—	1	1	1	9	9.0	100.0	0.11
Total	12	19	0	20	19	17	58	3.1	89.5	0.29
Monroe Mountain										
Early	10	13	1	14	13	8	63	4.8	61.5	0.13
Late	9	17	0	17	13	4	45	3.5	30.8	0.09
Conservation	0	—	—	1	—	—	—	—	—	—
Total	19	30	1	32	26	12	108	4.2	46.2	0.11
Morgan-South Rich										
Early	12	35	1	36	36	15	174	4.8	41.7	0.09
Conservation	0	—	—	1	—	—	—	—	—	—
Total	12	35	1	37	36	15	174	4.8	41.7	0.09
Mount Dutton										
Early	4	10	0	10	10	10	33	3.3	100.0	0.30
Late	2	7	0	7	4	4	7	1.8	100.0	0.57
Conservation	0	—	—	0	—	—	—	—	—	—
Total	6	17	0	17	14	14	40	2.9	100.0	0.35
NE Region, Private lands										
A	23	40	4	44	42	29	124	3.0	69.0	0.23
B	19	40	4	44	44	30	125	2.8	68.2	0.24
C	20	39	1	40	38	28	106	2.8	73.7	0.26
D	15	36	0	36	24	14	108	4.5	58.3	0.13
Conservation	1	—	—	5	5	0	60	12.0	0.0	0.00
Total	78	155	9	169	153	101	523	3.4	66.0	0.19

Rio Grande Wild Turkey harvest statistics by hunt, Utah 2007 (cont.).

Hunt name	n	Permits sold			Hunters afield	Turkeys bagged	Total hunter-days afield	Mean hunter-days afield	% success	Turkeys bagged / hunter-day
		Public	Landowner	Total						
NE Region, Public lands										
A	7	11	0	11	11	3	24	2.2	27.3	0.13
B	11	19	0	19	19	10	59	3.1	52.6	0.17
C	8	14	0	14	11	4	46	4.2	36.4	0.09
Conservation	1	—	—	2	2	2	6	3.0	100.0	0.33
Total	27	44	0	46	43	19	135	3.1	44.2	0.14
Ogden (South)										
Early	19	38	0	38	38	24	137	3.6	63.2	0.18
Late	18	43	0	43	43	12	194	4.5	27.9	0.06
Conservation	0	—	—	3	—	—	—	—	—	—
Total	37	81	0	84	81	36	331	4.1	44.4	0.11
Panguitch Lake										
Early	8	18	2	20	20	5	85	4.3	25.0	0.06
Late	6	16	1	17	14	3	96	6.9	21.4	0.03
Conservation	2	—	—	3	3	3	15	5.0	100.0	0.20
Total	16	34	3	40	37	11	196	5.3	29.7	0.06
Paunsaugunt										
A	15	28	0	28	28	19	78	2.8	67.9	0.24
B	13	21	2	23	19	14	46	2.4	73.7	0.30
C	11	30	1	31	25	11	116	4.6	44.0	0.09
Conservation	3	—	—	3	3	2	11	3.7	66.7	0.18
Total	42	79	3	85	75	46	251	3.3	61.3	0.18
Pine Valley										
A	31	81	5	86	83	55	205	2.5	66.3	0.27
B	25	63	9	72	72	52	256	3.6	72.2	0.20
C	16	55	0	55	55	24	223	4.1	43.6	0.11
Conservation	5	—	—	8	8	8	18	2.3	100.0	0.44
Total	77	199	14	221	218	139	702	3.2	63.8	0.20

Rio Grande Wild Turkey harvest statistics by hunt, Utah 2007 (cont.).

Hunt name	n	Permits sold			Hunters afield	Turkeys bagged	Total hunter-days afield	Mean hunter-days afield	% success	Turkeys bagged / hunter-day
		Public	Landowner	Total						
Plateau, Fishlake										
Early	8	7	1	8	7	6	24	3.4	85.7	0.25
Late	2	6	1	7	7	7	42	6.0	100.0	0.17
Conservation	0	—	—	1	—	—	—	—	—	—
Total	10	13	2	16	14	13	66	4.7	92.9	0.20
Plateau, Thousand Lakes										
	3	8	0	8	8	0	32	4.0	0.0	0.00
Wasatch Mountains										
A	24	56	10	66	66	41	187	2.8	62.1	0.22
B	31	86	5	91	85	35	419	4.9	41.2	0.08
C	32	89	3	92	86	40	423	4.9	46.5	0.09
Conservation	2	—	—	9	9	5	36	4.0	55.6	0.14
Total	89	231	18	258	246	121	1,065	4.3	49.2	0.11
Hiawatha CWMU										
	0	—	—	2	—	—	—	—	—	—
Heaston East CWMU										
	0	—	—	4	—	—	—	—	—	—
Jacob's Creek CWMU										
	3	—	—	4	4	4	15	3.8	100.0	0.27
Missouri Flat CWMU										
	1	—	—	6	6	0	12	2.0	0.0	0.00
Dry Bread CWMU										
	1	—	—	2	2	0	6	3.0	0.0	0.00
Folley Ridge CWMU										
	2	—	—	7	7	4	28	4.0	57.1	0.14
Bar J Ranch CWMU										
	2	—	—	3	2	2	3	1.5	100.0	0.67
Statewide										
Sportsman/Conservation	0	—	—	2	—	—	—	—	—	—
Statewide total	974	2,019	174	2,304	2,150	1,210	8,887	4.1	56.3	0.14

Average number of Rio Grande Wild Turkeys observed while hunting, Utah 2007.

Hunt name	n	Mean number of Turkeys observed / hunter				
		Gobblers	Hens	Jakes	Unidentified	Total
<b>Beaver</b>						
A	20	5.5	15.1	7.0	2.1	29.7
B	20	4.8	17.3	6.3	1.9	30.3
C	17	4.1	7.9	3.1	0.7	15.8
Conservation	5	7.6	14.0	3.8	0.0	25.4
Total	62	5.1	13.7	5.4	1.5	25.7
<b>Beaver (West)</b>						
A	3	14.5	15.3	3.7	2.0	35.5
B	2	1.5	6.0	1.5	0.0	9.0
C	3	7.3	4.3	1.3	0.0	12.9
Total	8	8.6	8.9	2.3	0.8	20.4
<b>Book Cliffs (South)</b>						
	3	27.0	21.7	11.0	11.7	71.4
<b>Cache</b>						
Early	23	12.0	17.5	6.7	4.4	40.6
Late	29	8.6	13.4	6.8	5.0	33.8
Conservation	3	6.0	9.0	3.7	0.7	19.4
Total	58	10.8	15.2	6.8	4.9	37.7
<b>Caineville/Henry Mountains</b>						
	11	8.3	15.0	3.2	1.5	28.0
<b>Central Mtns., East Manti</b>						
	7	3.1	3.6	2.7	0.3	9.7
<b>Central Mtns., Nebo</b>						
A	24	7.0	15.1	4.2	3.3	29.7
B	22	4.8	10.9	2.8	0.9	19.4
C	22	3.3	11.3	3.1	1.2	18.9
Conservation	6	9.6	25.2	8.4	2.0	45.2
Total	74	5.4	13.5	3.8	1.9	24.7
<b>Central Mtns., West Manti</b>						
Early	8	3.9	9.4	3.6	6.7	23.6
Late	9	9.6	8.4	5.0	8.7	31.7
Conservation	1	0.0	7.0	1.0	0.0	8.0
Total	18	6.5	8.8	4.2	7.3	26.8
<b>Central Region, West</b>						
Early	20	5.7	12.2	7.1	3.0	28.0
Late	20	6.3	17.9	6.0	5.5	35.7
Conservation	3	5.3	9.7	5.3	15.0	35.3
Total	43	6.0	14.7	6.5	5.0	32.1
<b>Chalk Creek</b>						
Early	10	4.8	10.6	6.8	1.8	24.0
Late	7	2.4	6.9	2.5	3.0	14.8
Conservation	1	10.0	8.0	6.0	0.0	24.0
Total	18	4.1	9.0	5.1	2.2	20.4
<b>Colorado River</b>						
A	6	8.8	20.0	6.3	0.7	35.8
B	3	9.0	12.5	16.7	8.7	46.9
C	1	4.0	0.0	1.0	0.0	5.0
Conservation	0	—	—	—	—	—
Total	10	8.4	15.8	8.9	3.0	36.1

Average number of Rio Grande Wild Turkeys observed while hunting, Utah 2007 (cont.).

Hunt name	n	Mean number of Turkeys observed / hunter				
		Gobblers	Hens	Jakes	Unidentified	Total
East Canyon	18	11.5	18.2	10.3	2.4	42.5
Conservation	1	4.0	30.0	15.0	20.0	69.0
Total	19	11.1	18.8	10.6	3.4	43.9
Fillmore, Oak Creek						
A	14	11.2	23.8	7.3	1.5	43.8
B	14	8.3	17.4	6.2	3.0	34.8
C	9	2.4	5.1	1.8	1.2	10.5
Conservation	0	—	—	—	—	—
Total	37	8.0	16.8	5.5	2.0	32.3
Fillmore, Pahvant						
A	20	7.7	19.8	3.9	3.5	35.0
B	17	6.0	8.9	2.9	1.4	19.1
C	19	4.4	8.3	2.9	2.6	18.2
Conservation	0	—	—	—	—	—
Total	56	6.1	12.6	3.2	2.5	24.5
Green River						
A	8	6.4	10.8	4.0	0.3	21.6
B	5	1.6	6.0	0.8	0.8	9.2
C	8	3.8	12.4	4.5	0.4	21.2
Conservation	3	2.0	8.0	3.7	1.7	15.4
Total	24	4.0	10.0	3.5	0.6	18.1
Kaiparowits						
Early	6	7.8	19.2	2.5	1.0	30.5
Late	4	7.3	6.8	1.7	0.0	15.8
Conservation	1	30.0	50.0	20.0	0.0	100.0
Total	11	9.6	17.5	3.8	0.5	31.5
Monroe Mountain						
Early	8	5.6	15.2	5.8	1.9	28.4
Late	7	8.6	11.9	6.3	1.7	28.5
Conservation	0	—	—	—	—	—
Total	15	7.0	13.7	6.0	1.8	28.5
Morgan-South Rich						
Conservation	0	—	—	—	—	—
Total	12	8.8	17.8	7.8	3.3	37.7
Mount Dutton						
Early	4	5.3	21.3	2.3	0.0	28.9
Late	1	30.0	0.0	0.0	0.0	30.0
Conservation	0	—	—	—	—	—
Total	5	10.2	17.0	1.8	0.0	29.1
NE Region, Private lands						
A	19	10.3	19.2	9.3	4.1	43.0
B	16	9.4	12.9	8.1	3.0	33.3
C	19	9.1	13.2	8.2	4.8	35.3
D	10	4.8	13.4	3.6	5.3	27.1
Conservation	1	30.0	30.0	11.0	30.0	101.0
Total	65	9.2	15.2	7.8	4.6	36.8

Average number of Rio Grande Wild Turkeys observed while hunting, Utah 2007 (cont.).

Hunt name	n	Mean number of Turkeys observed / hunter				
		Gobblers	Hens	Jakes	Unidentified	Total
NE Region, Public lands						
A	7	1.7	6.4	0.7	0.3	9.1
B	11	8.2	2.9	9.0	1.9	22.0
C	6	5.2	22.2	4.5	2.3	34.2
Conservation	1	50.0	50.0	30.0	0.0	130.0
Total	25	7.3	10.4	6.4	1.5	25.6
Ogden (South)						
Early	19	12.5	17.6	6.6	0.1	36.8
Late	18	5.9	14.2	4.5	1.6	26.2
Conservation	0	—	—	—	—	—
Total	37	9.3	15.9	5.6	0.8	31.6
Panguitch Lake						
Early	8	17.1	10.4	5.3	3.8	36.6
Late	5	4.8	11.8	4.2	2.8	23.6
Conservation	2	5.0	3.0	5.0	1.0	14.0
Total	15	11.4	9.9	4.9	3.1	29.3
Paunsaugunt						
A	15	13.6	27.1	6.5	6.7	53.9
B	10	11.0	12.6	5.5	1.5	30.6
C	8	6.2	13.6	4.3	4.5	28.5
Conservation	3	8.0	21.0	8.0	0.0	37.0
Total	36	10.8	19.6	5.8	4.2	40.4
Pine Valley						
A	27	9.7	15.4	9.2	2.2	36.5
B	21	12.9	20.2	8.8	2.2	44.1
C	16	6.9	12.9	4.3	3.4	27.5
Conservation	5	28.4	27.0	16.8	9.0	81.2
Total	69	11.4	17.1	8.5	3.0	40.0
Plateau, Fishlake						
Early	6	3.9	16.9	5.5	5.7	32.0
Late	2	5.5	6.5	2.0	0.0	14.0
Conservation	0	—	—	—	—	—
Total	8	4.3	14.3	4.6	4.3	27.5
Plateau, Thousand Lakes						
	3	1.0	6.3	0.3	2.7	10.3
Wasatch Mountains						
A	20	10.5	22.3	8.1	7.3	48.1
B	27	7.8	20.0	4.9	2.4	35.2
C	28	4.7	13.3	7.0	2.5	27.6
Conservation	2	13.5	27.5	4.5	25.0	70.5
Total	77	7.5	18.4	6.5	4.3	36.7

Average number of Rio Grande Wild Turkeys observed while hunting, Utah 2007 (cont.).

Hunt name	n	Mean number of Turkeys observed / hunter				
		Gobblers	Hens	Jakes	Unidentified	Total
Hiawatha CWMU	0	—	—	—	—	—
Heaston East CWMU	0	—	—	—	—	—
Jacob's Creek CWMU	3	19.0	15.0	12.0	0.0	46.0
Missouri Flat CWMU	1	5.0	0.0	0.0	0.0	5.0
Dry Bread CWMU	1	0.0	12.0	1.0	1.0	14.0
Folley Ridge CWMU	2	16.5	15.0	1.0	2.0	34.5
Bar J Ranch CWMU	2	1.0	1.0	1.0	0.0	3.0
Statewide						
Sportsman/Conservation	0	—	—	—	—	—
Statewide total	918	7.9	14.8	5.9	3.0	31.6

Statewide Rio Grande Wild Turkey harvest statistics, Utah 1991–2007.

Year	Total permits	Total hunters	Total harvest	Hunter-days afield	% success	Turkeys / hunter-day	% of hunters observing Turkeys
1991	20	18	11	71	61	0.15	—
1992	21	20	15	64	75	0.23	—
1993	42	41	26	200	63	0.13	—
1994	105	105	79	464	75	0.17	—
1995	135	123	78	628	63	0.12	—
1996	174	166	107	776	64	0.14	88
1997	240	229	127	920	55	0.14	82
1998	263	254	161	919	63	0.18	57
1999	398	413	189	1,373	70	0.21	90
2000	631	615	488	2,052	79	0.24	62
2001	812	769	529	2,791	69	0.19	91
2002	952	876	482	4,131	55	0.12	—
2003	868	810	501	3,720	62	0.13	—
2004	879	820	518	3,559	63	0.15	96
2005	1,435	1,215	745	5,428	61	0.14	92
2006	2,031	1,873	1,067	8,852	57	0.12	94
2007	2,304	2,150	1,210	8,887	56	0.14	97
Total (1991–2007)	11,310	10,497	6,333	44,835	—	—	—
Average (1991–2006)	563	522	320	2,247	65	0.16	84
% change from previous year	13	15	13	0	-1	13	3
% change from average	309	312	278	296	-13	-15	16

\*2002–2004 data does not include conservation permit information.

\*\*2005 data does not include conservation permit or landowner permit information.



## **APPENDIX A**

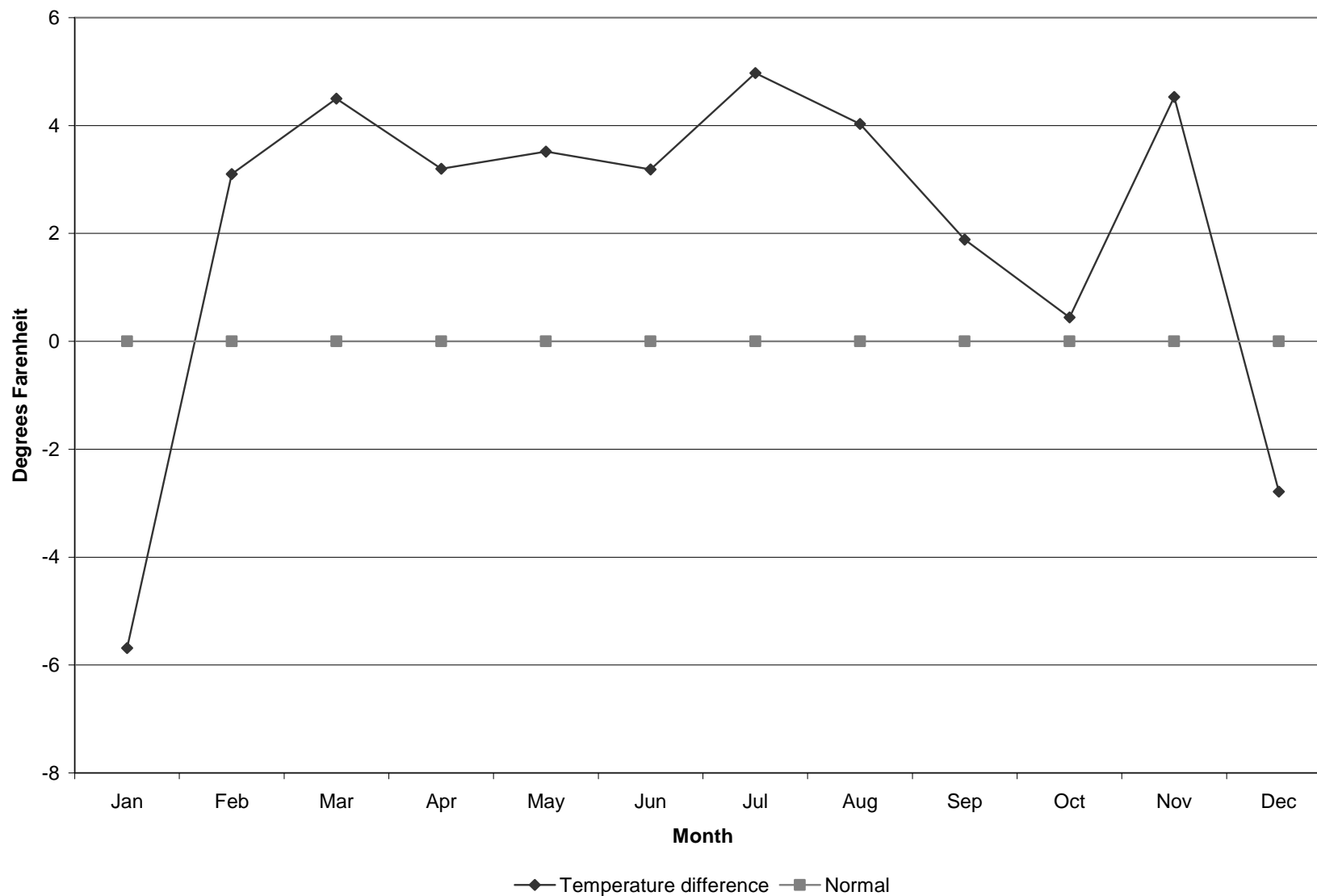
### **WEATHER CONDITIONS**

Weather information used in this report is from the NOAA monthly periodical entitled "Climatological Data."

Comparison of monthly average temperatures (°F) to normal temperature by weather division, Utah 2007.

Weather Division	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
No.1 Western													
Normal	26.7	32.6	40.7	47.6	56.4	66.2	73.8	72.1	62.0	49.6	36.6	27.6	49.3
2007	16.8	35.2	43.8	50.1	60.0	69.6	78.9	76.2	62.8	48.4	38.4	25.0	50.4
Departure	-9.9	2.6	3.1	2.5	3.6	3.4	5.1	4.1	0.8	-1.2	1.8	-2.6	1.1
No.2 Dixie													
Normal	39.4	44.5	50.1	56.9	65.9	75.9	81.6	79.8	72.3	60.7	47.2	39.7	59.5
2007	37.5	45.8	56.0	61.0	71.1	77.8	85.4	83.9	75.2	61.9	53.3	38.5	62.3
Departure	-1.9	1.3	5.9	4.1	5.2	1.9	3.8	4.1	2.9	1.2	6.1	-1.2	2.8
No.3 North Central													
Normal	26.5	31.6	40.3	47.6	56.6	66.3	73.9	72.3	62.4	50.4	37.2	28.0	49.4
2007	21.4	35.3	44.6	50.6	60.6	70.2	79.8	76.8	64.1	51.0	41.3	27.2	51.9
Departure	-5.1	3.7	4.3	3.0	4.0	3.9	5.9	4.5	1.7	0.6	4.1	-0.8	2.5
No.4 South Central													
Normal	26.8	31.6	38.2	44.6	53.5	63.1	69.8	67.9	59.7	48.3	36.0	28.0	47.3
2007	20.6	34.0	42.2	48.0	57.4	66.7	74.8	72.3	61.8	49.3	41.8	26.1	49.6
Departure	-6.2	2.4	4.0	3.4	3.9	3.6	5.0	4.4	2.1	1.0	5.8	-1.9	2.3
No.5 Northern Mountains													
Normal	21.3	24.9	32.8	40.4	49.4	58.3	65.1	63.7	55.0	44.2	31.3	22.5	42.4
2007	17.1	29.3	38.5	44.3	52.7	62.0	71.1	68.2	56.8	45.9	36.9	21.0	45.3
Departure	-4.2	4.4	5.7	3.9	3.3	3.7	6.0	4.5	1.8	1.7	5.6	-1.5	2.9
No.6 Uintah Basin													
Normal	18.0	24.4	37.5	46.5	55.9	65.2	71.6	69.6	60.2	47.8	32.8	21.0	45.9
2007	6.4	28.8	42.6	49.3	57.7	68.0	76.1	72.9	61.9	47.7	36.7	11.2	46.6
Departure	-11.6	4.4	5.1	2.8	1.8	2.8	4.5	3.3	1.7	-0.1	3.9	-9.8	0.7
No.7 Southeast													
Normal	28.0	34.7	43.1	50.7	60.1	70.5	76.5	74.4	65.4	53.0	39.1	29.8	52.1
2007	27.1	37.6	46.5	53.4	62.9	73.5	81.0	77.7	67.6	52.9	43.5	28.1	54.3
Departure	-0.9	2.9	3.4	2.7	2.8	3.0	4.5	3.3	2.2	-0.1	4.4	-1.7	2.2
State averages													
Normal	26.7	32.0	40.4	47.8	56.8	66.5	73.2	71.4	62.4	50.6	37.2	28.1	49.4
2007	21.0	35.1	44.9	51.0	60.3	69.7	78.2	75.4	64.3	51.0	41.7	25.3	51.5
Departure	-5.7	3.1	4.5	3.2	3.5	3.2	5.0	4.0	1.9	0.4	4.5	-2.8	2.1

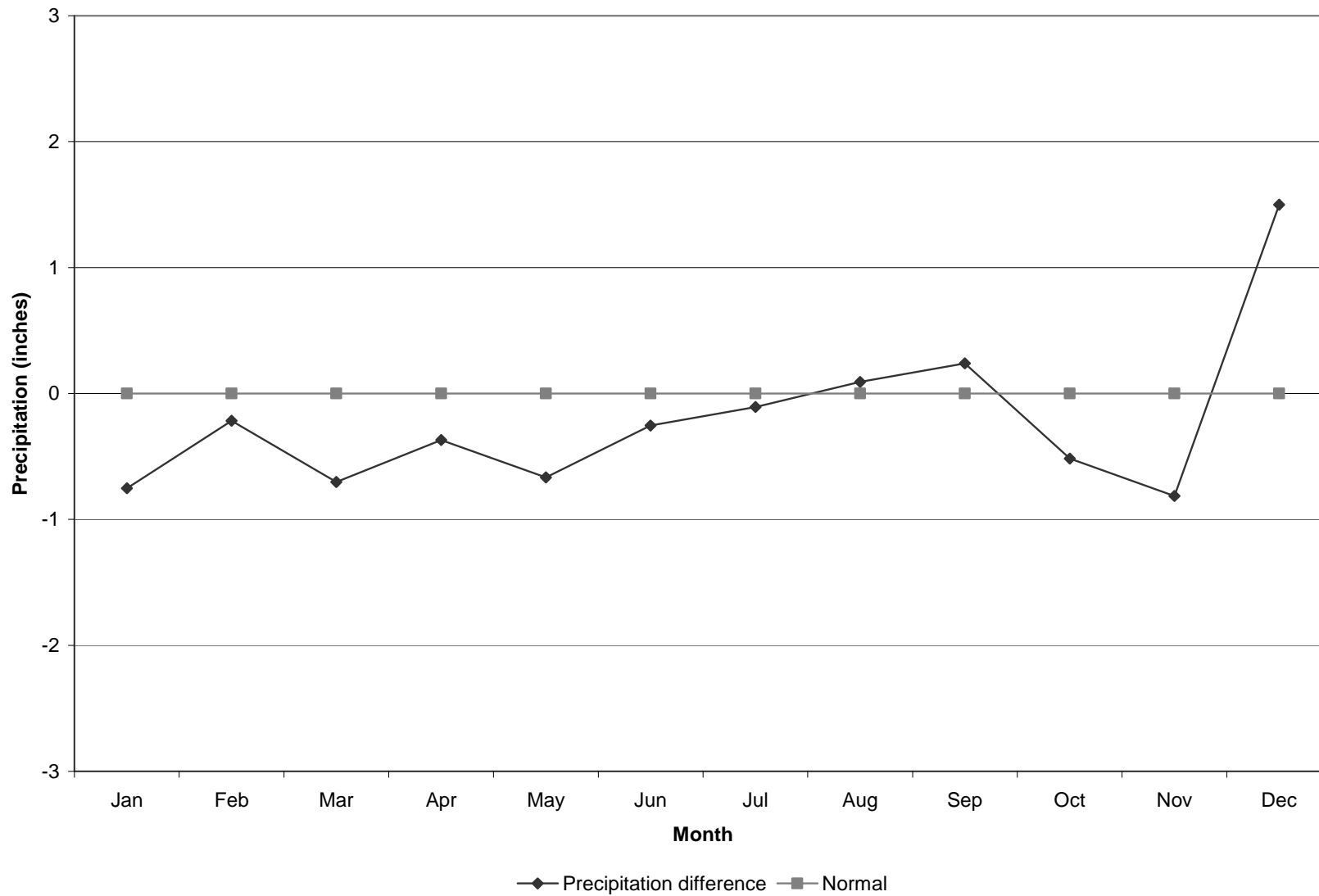
Temperature (°F) departure from normal, Utah 2007.



Comparison of monthly average precipitation (inches) to normal precipitation by weather division, Utah 2007.

Weather Division	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
No.1 Western													
Normal	0.64	0.65	0.92	0.87	1.12	0.61	0.70	0.78	0.80	0.96	0.65	0.48	9.18
2007	0.28	0.61	0.50	0.51	0.32	0.46	0.49	0.49	0.63	0.42	0.12	1.00	5.83
Departure	-0.36	-0.04	-0.42	-0.36	-0.80	-0.15	-0.21	-0.29	-0.17	-0.54	-0.53	0.52	-3.35
No.2 Dixie													
Normal	1.58	1.59	1.95	0.87	0.68	0.33	0.90	1.14	0.89	1.01	1.09	0.84	12.87
2007	0.25	0.48	0.32	1.03	0.02	0.03	1.48	2.17	1.40	0.00	0.33	2.95	10.46
Departure	-1.33	-1.11	-1.63	0.16	-0.66	-0.30	0.58	1.03	0.51	-1.01	-0.76	2.11	-2.41
No.3 North Central													
Normal	1.59	1.58	1.88	1.90	2.15	1.06	0.89	0.97	1.42	1.81	1.54	1.37	18.16
2007	0.63	1.84	1.37	0.78	0.83	1.11	0.53	0.52	1.42	1.90	0.35	3.08	14.36
Departure	-0.96	0.26	-0.51	-1.12	-1.32	0.05	-0.36	-0.45	0.00	0.09	-1.19	1.71	-3.80
No.4 South Central													
Normal	1.17	1.21	1.43	1.07	1.09	0.59	1.00	1.35	1.17	1.34	1.07	0.87	13.36
2007	0.49	0.81	0.62	1.00	0.54	0.33	0.98	1.35	1.40	0.47	0.35	2.66	11.00
Departure	-0.68	-0.40	-0.81	-0.07	-0.55	-0.26	-0.02	0.00	0.23	-0.87	-0.72	1.79	-2.36
No.5 Northern Mountains													
Normal	2.03	1.85	1.99	1.90	2.01	1.12	1.07	1.15	1.56	1.86	1.86	1.72	20.12
2007	0.62	1.98	1.28	0.94	1.08	0.88	0.86	1.34	1.90	1.93	0.38	3.24	16.43
Departure	-1.41	0.13	-0.71	-0.96	-0.93	-0.24	-0.21	0.19	0.34	0.07	-1.48	1.52	-3.69
No.6 Uintah Basin													
Normal	0.52	0.48	0.63	0.79	0.98	0.57	0.74	0.82	0.92	1.08	0.54	0.42	8.49
2007	0.47	0.28	0.12	0.33	0.65	0.01	0.26	0.55	1.30	0.50	0.10	1.91	6.48
Departure	-0.05	-0.20	-0.51	-0.46	-0.33	-0.56	-0.48	-0.27	0.38	-0.58	-0.44	1.49	-2.01
No.7 Southeast													
Normal	0.84	0.67	0.87	0.71	0.77	0.40	0.92	0.97	0.97	1.28	0.80	0.63	9.83
2007	0.36	0.51	0.54	0.93	0.69	0.08	0.87	1.40	1.36	0.50	0.23	1.99	9.46
Departure	-0.48	-0.16	-0.33	0.22	-0.08	-0.32	-0.05	0.43	0.39	-0.78	-0.57	1.36	-0.37
State averages													
Normal	1.20	1.15	1.38	1.16	1.26	0.67	0.89	1.03	1.10	1.33	1.08	0.90	13.14
2007	0.44	0.93	0.68	0.79	0.59	0.41	0.78	1.12	1.34	0.82	0.27	2.40	10.57
Departure	-0.75	-0.22	-0.70	-0.37	-0.67	-0.25	-0.11	0.09	0.24	-0.52	-0.81	1.50	-2.57

Precipitation (inches) departure from normal, Utah 2007.



## **APPENDIX B**

### **LICENSE SALES**

Small game license sales and the proportion of the population purchasing small game licenses, Utah 1971–2007 (JSG=juvenile small game license, RSG=resident small game license, CMB=combination license, NRSNG=nonresident small game license, NRCMB=nonresident combination license ).

Year	License fee (\$)					Licenses sold					Utah population	% purchasing a license
	JSG	RSG	CMB	NRSNG	NRCMB	JSG	RSG	CMB	NRSNG	NRCMB		
1971	2.50	4.50	10.00	20.00	—	16,044	20,681	102,284	1,000	—	1,101,000	12.6
1972	2.50	4.50	10.00	20.00	—	16,523	19,796	107,414	4,075	—	1,135,000	12.7
1973	2.50	4.50	10.00	20.00	—	16,522	18,836	115,436	964	—	1,169,000	12.9
1974	2.50	4.50	10.00	20.00	—	16,334	17,434	117,770	974	—	1,197,000	12.7
1975	2.50	4.50	10.00	20.00	—	15,869	17,057	115,362	967	—	1,234,000	12.0
1976	3.00	6.00	18.00	20.00	—	16,261	33,078	76,587	1,141	—	1,272,000	9.9
1977	3.00	6.00	18.00	20.00	—	15,795	36,473	74,600	1,270	—	1,316,000	9.6
1978	3.00	6.00	18.00	20.00	—	15,419	37,082	81,227	1,449	—	1,364,000	9.8
1979	3.00	6.00	18.00	20.00	—	14,200	36,721	84,450	1,575	—	1,416,000	9.6
1980	4.00	8.00	23.00	30.00	—	14,042	30,189	100,177	1,330	—	1,461,037	9.9
1981	4.00	8.00	23.00	30.00	—	13,874	37,804	83,486	1,559	—	1,524,830	8.9
1982	4.00	8.00	23.00	30.00	—	14,040	36,850	82,970	1,637	—	1,588,622	8.4
1983	4.00	8.00	23.00	30.00	—	13,814	39,602	73,529	1,685	—	1,652,415	7.7
1984	4.00	8.00	23.00	30.00	—	13,170	36,070	73,081	1,633	—	1,716,207	7.1
1985	6.00	12.00	35.00	40.00	—	12,987	30,102	82,137	1,500	—	1,780,000	7.0
1986	6.00	12.00	35.00	40.00	—	11,946	39,567	67,435	1,274	—	1,665,000	7.1
1987	6.00	12.00	35.00	40.00	—	11,228	26,781	66,715	1,235	—	1,678,000	6.2
1988	6.00	12.00	35.00	40.00	—	9,498	25,733	72,846	1,428	—	1,695,000	6.4
1989	6.00	12.00	35.00	40.00	—	5,769	25,845	74,274	1,422	—	1,715,000	6.2
1990	6.00	12.00	35.00	40.00	—	5,682	24,527	76,292	1,279	—	1,722,850	6.2
1991	6.00	12.00	35.00	40.00	—	5,626	23,276	79,165	1,212	—	1,774,241	6.1
1992	6.00	12.00	35.00	40.00	—	5,431	21,852	78,940	1,195	—	1,820,453	5.8
1993	6.00	12.00	25.00	40.00	—	4,887	20,899	78,030	1,150	—	1,866,000	5.6
1994	6.00	12.00	25.00	40.00	—	4,551	25,792	59,854	1,223	—	1,916,000	4.7
1995	6.00	12.00	25.00	40.00	—	4,403	24,219	66,607	1,379	—	1,959,000	4.9
1996	6.00	12.00	25.00	40.00	—	3,584	23,908	65,003	1,503	—	2,002,359	4.6
1997	6.00	12.00	25.00	40.00	—	3,674	22,980	63,513	1,563	—	2,048,753	4.4
1998	6.00	12.00	25.00	40.00	—	3,529	22,671	63,648	1,618	—	2,082,502	4.3
1999	7.00	13.00	28.00	41.00	—	3,654	23,109	65,193	1,651	—	2,121,053	4.3
2000	7.00	13.00	28.00	41.00	—	3,521	23,316	59,794	1,212	—	2,246,553	3.9
2001	11.00	17.00	32.00	45.00	—	3,369	20,617	58,880	1,017	—	2,305,652	3.6
2002	11.00	17.00	32.00	45.00	—	3,063	19,415	55,425	1,133	—	2,358,330	3.3
2003	11.00	17.00	32.00	45.00	—	3,150	19,045	53,778	1,085	—	2,413,618	3.1
2004	11.00	17.00	34.00	45.00	—	3,092	19,114	53,743	1,211	—	2,469,230	3.1
2005	11.00	17.00	34.00	45.00	—	2,956	18,440	53,829	1,266	—	2,547,389	3.0
2006	11.00	17.00	34.00	45.00	—	3,875	17,269	60,264	1,231	—	2,615,129	3.1
2007	11.00	26.00	30.00	65.00	80.00	2,697	15,337	84,458	3,335	697	2,699,554	3.8

\*% purchasing a license equals the number of JSG, RSG, and CMB licenses sold divided by the Utah population times 100. As of July 1, 2007, the 365-day small game license was renamed a basic Hunting License.

## **APPENDIX C**

**PERMIT NUMBERS, SEASON DATES,  
BAG AND POSSESSION LIMITS, AND AREAS OPEN**



Upland game season dates, bag and possession limits, and areas open, Utah 2007 (Utah Upland Game Proclamation 2007–2008).

Species	Season Dates	Areas Open	Bag Limit	Possession Limit*	Footnotes
Pheasant (General Season)	Nov. 3-Nov. 18, 2007	<ul style="list-style-type: none"> <li>Statewide, except closed areas and Utah County.</li> <li>In Box Elder County, the Douglas/Sorensen walk-in access area, and in Duchesne County, the Mallard Springs WMA will be closed on Saturday, Nov. 10 to general public hunting. A special youth upland game hunt will be conducted on these areas on Nov. 10. These areas will reopen to general public hunting on Nov. 11.</li> </ul>	2	2 bag limits	<ul style="list-style-type: none"> <li>Males only may be harvested.</li> <li>Hunting begins at 8 a.m. on opening day.</li> </ul>
Pheasant (Utah County)	Nov. 3-Nov. 9, 2007	<ul style="list-style-type: none"> <li>In all of Utah County, except the Powell Slough WMA, the pheasant hunt closes on Nov. 9.</li> </ul>	2	2 bag limits	<ul style="list-style-type: none"> <li>Males only may be harvested.</li> <li>Hunting begins at 8 a.m. on opening day.</li> <li>The Goshen Warm Springs WMA in Utah County is closed to upland game hunting.</li> </ul>
Pheasant (Extended Season)	Nov. 3-Dec. 2, 2007	<p><i>***CAUTION*** Not all counties are open for 30 day pheasant hunting. Only the following areas are open:</i> All state and federal land in Carbon, Duchesne, Emery, Grand, Juab, Millard, San Juan, Sanpete, Sevier, Tooele and Uintah counties (including private land leased by the Division subject to restrictions and closures imposed by administering agencies).</p> <ul style="list-style-type: none"> <li>The Powell Slough WMA in Utah County.</li> <li>In Emery County, the Huntington WMA, in Millard County, the Pahvant WMA, and in Tooele County, the Carr Fork WMA, will be closed on Saturday, Nov. 10 to general public hunting. A special youth upland game hunt will be conducted on these WMAs on Nov. 10. These areas will reopen to general public hunting on Nov. 11.</li> </ul>	2	2 bag limits	<ul style="list-style-type: none"> <li>Males only may be harvested.</li> <li>Hunting begins at 8 a.m. on opening day.</li> </ul>
Mourning dove and White-winged dove	Sept. 1-Sept. 30, 2007	<ul style="list-style-type: none"> <li>Statewide, except closed areas.</li> </ul>	10	2 bag limits	<ul style="list-style-type: none"> <li>Eurasian Collard-Doves, if taken during the dove season, will not count as part of the aggregate dove bag and possession limits.</li> <li>Eurasian Collared-Doves taken during the dove season should remain unplucked during transport so they can be distinguished from Mourning and White-winged doves.</li> </ul>

\*Possession limit is the number of bag limits one individual may legally possess.

## Upland game season dates, bag and possession limits, and areas open, Utah 2007 (cont.).

Species	Season Dates	Areas Open	Bag Limit	Possession Limit*	Footnotes
Band-tailed pigeon	Sept. 1-Sept. 30, 2007	<ul style="list-style-type: none"> <li>Beaver, Garfield, Grand, Iron, Kane, Millard, Piute, San Juan, Sanpete, Sevier, Utah, Washington and Wayne counties.</li> </ul>	5	2 bag limits	<ul style="list-style-type: none"> <li>Band-tailed pigeon permit required.</li> </ul>
Chukar partridge (General Season)	Sept. 15-Nov. 30, 2007	<ul style="list-style-type: none"> <li>Cache, Daggett, Davis, Morgan, Rich, Sanpete, Summit, Wasatch and Weber counties.</li> <li>Those parts of Beaver, Iron, Juab, Millard, Salt Lake and Utah counties east of I-15.</li> <li>That part of Box Elder County east of I-15.</li> <li>That part of Sevier County north of I-70.</li> <li>In Morgan and Summit counties, the Henefer-Echo WMA will be closed on Saturday, Sept. 8 to general public hunting. A special youth upland game hunt will be conducted on this WMA on Sept. 8. This area will reopen to general public hunting on Sept. 9.</li> </ul>	5	2 bag limits	<ul style="list-style-type: none"> <li>Antelope Island is closed to upland game hunting.</li> </ul>
Chukar partridge (Box Elder County)	Sept. 15-Dec. 31, 2007	<ul style="list-style-type: none"> <li>That part of Box Elder County beginning at the junction of I-15 and SR-83; then west on SR-83 to Lampo Junction; west along the Union Pacific-Central Pacific Railroad Grade to Locomotive Springs; north on the Locomotive Springs-Snowville-Stone, Idaho Road to the Utah-Idaho border; east along this border to I-15; south on I-15 to SR-83.</li> </ul>	5	2 bag limits	<ul style="list-style-type: none"> <li>This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before obtaining a permit for this hunt.</li> </ul>
Chukar partridge (Extended Season)	Sept. 15, 2007-Jan. 31, 2008	<ul style="list-style-type: none"> <li>Carbon, Duchesne, Emery, Garfield, Grand, Kane, Piute, San Juan, Tooele, Uintah, Washington and Wayne counties.</li> <li>Those parts of Beaver, Iron, Juab, Millard, Salt Lake and Utah counties west of I-15.</li> <li>That part of Box Elder County west of I-15 and south of SR-83, south of the Union Pacific-Central Pacific Railroad Grade, and west of the Locomotive Springs-Snowville-Stone, Idaho Road.</li> <li>That part of Sevier County south of I-70.</li> <li>In Uintah County, the Book Cliffs (Willow Creek portion) WMA, in Carbon County, the Gordon Creek WMA, in Millard County, the Pahvant WMA, and in Tooele County, the Carr Fork WMA, will be closed on Saturday, Sept. 8 to general public hunting. A special youth upland game hunt will be conducted on these WMAs on Sept. 8. These areas will reopen to general public hunting on Sept. 9.</li> </ul>	5	2 bag limits	

\*Possession limit is the number of bag limits one individual may legally possess.

Upland game season dates, bag and possession limits, and areas open, Utah 2007 (cont.).

Species	Season Dates	Areas Open	Bag Limit	Possession Limit*	Footnotes
Sage-grouse (West Box Elder County)	Sept. 15-Sept. 23, 2007	<ul style="list-style-type: none"> <li>Hunt #001</li> <li>West Box Elder</li> <li>That part of Box Elder County west of the Locomotive Springs-Snowville-Stone, Idaho Road.</li> </ul>		only 2 birds of either sex may be taken during the entire season	<ul style="list-style-type: none"> <li>Sage-grouse permit required.</li> <li>395 two-bird permits available.</li> </ul>
Sage-grouse (Rich County)	Sept. 15-Sept. 23, 2007	<ul style="list-style-type: none"> <li>Hunt #002</li> <li>Rich County</li> <li>All of Rich County.</li> </ul>		only 2 birds of either sex may be taken during the entire season	<ul style="list-style-type: none"> <li>Sage-grouse permit required.</li> <li>283 two-bird permits available.</li> </ul>
Sage-grouse (Uintah Basin)	Sept. 15-Sept. 23, 2007	<ul style="list-style-type: none"> <li>Hunt #003</li> <li>Uintah Basin</li> <li>All of Daggett County except the area beginning on the east shore of Flaming Gorge Reservoir and the Utah-Wyoming state line; then east on this state line to the Utah-Colorado state line; south on this state line to the Green River; northwest on the Green River and the east shore of Flaming Gorge Reservoir to the Utah-Wyoming state line.</li> <li>All of Duchesne County north and east of the Duchesne River.</li> <li>All of Grand County north of I-70 to the Book Cliffs Divide Road.</li> <li>All of Uintah County except the area south of US-40 from Roosevelt to the Utah-Colorado state line.</li> </ul>		only 2 birds of either sex may be taken during the entire season	<ul style="list-style-type: none"> <li>Sage-grouse permit required.</li> <li>195 two-bird permits available.</li> </ul>
Sage-grouse (Parker Mountain)	Sept. 15-Sept. 23, 2007	<ul style="list-style-type: none"> <li>Hunt #004</li> <li>Parker Mountain</li> <li>Beginning at the junction of US-89 and I-70 near Sigurd; south on US-89 to SR-24; south on this highway to SR-62; south on this highway to SR-22; south on this highway to Antimony; south on John's Valley Road through Widtsoe to Bryce Junction and SR-12; east and north on this highway to SR-24; west on this highway to SR-72 at Loa; north on this highway to I-70; west on this highway to US-89.</li> </ul>		only 2 birds of either sex may be taken during the entire season	<ul style="list-style-type: none"> <li>Sage-grouse permit required.</li> <li>479 two-bird permits available.</li> </ul>
Forest grouse (Blue and Ruffed)	Sept. 8-Nov. 30, 2007	<ul style="list-style-type: none"> <li>Statewide, except closed areas.</li> </ul>	4	2 bag limits	<ul style="list-style-type: none"> <li>Limits singly or in aggregate.</li> </ul>

\*Possession limit is the number of bag limits one individual may legally possess.

Upland game season dates, bag and possession limits, and areas open, Utah 2007 (cont.).

Species	Season Dates	Areas Open	Bag Limit	Possession Limit*	Footnotes
Quail (California and Gambel's)	Nov. 3-Nov. 18, 2007	<ul style="list-style-type: none"> <li>Box Elder, Carbon, Davis, Grand, Juab, Kane, Millard, Piute, Salt Lake, San Juan, Sevier, Tooele, Utah and Weber counties.</li> <li>Daggett County is closed.</li> <li>All of Emery County, except the Desert Lake Waterfowl Management Area, which is closed.</li> </ul>	5	2 bag limits	<ul style="list-style-type: none"> <li>Hunting begins at 8 a.m. on opening day.</li> </ul>
Quail (California and Gambel's) (Extended Season)	Nov. 3-Dec. 31, 2007	<ul style="list-style-type: none"> <li>Duchesne, Uintah and Washington counties.</li> </ul>	5	2 bag limits	<ul style="list-style-type: none"> <li>Hunting begins at 8 a.m. on opening day.</li> </ul>
Hungarian partridge (General Season)	Sept. 15-Nov. 30, 2007	<ul style="list-style-type: none"> <li>Cache, Davis, Morgan, Rich, Summit and Weber counties.</li> <li>That part of Box Elder County east of I-15.</li> <li>That part of Juab County east of I-15.</li> </ul>	5	2 bag limits	
Hungarian partridge (Box Elder County)	Sept. 15-Dec. 31, 2007	<ul style="list-style-type: none"> <li>That part of Box Elder County beginning at the junction of I-15 and SR-83; west on SR-83 to Lampo Junction; west along the Union Pacific-Central Pacific Railroad Grade to Locomotive Springs; north on the Locomotive Springs-Snowville-Stone, Idaho Road to the Utah-Idaho border; east along this border to I-15; south on I-15 to SR-83.</li> </ul>	5	2 bag limits	<ul style="list-style-type: none"> <li>This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before obtaining a permit for this hunt.</li> </ul>
Hungarian partridge (Extended Season)	Sept. 15, 2007-Jan. 31, 2008	<ul style="list-style-type: none"> <li>All of Tooele County.</li> <li>That part of Box Elder County west of I-15 and south of SR-83, south of the Union Pacific-Central Pacific Railroad Grade, and west of the Locomotive Springs-Snowville-Stone, Idaho Road.</li> <li>That part of Juab County west of I-15.</li> </ul>	5	2 bag limits	
Sharp-tailed grouse	Oct. 27-Nov. 11, 2007	<ul style="list-style-type: none"> <li>That part of Box Elder County beginning at the junction of I-15 and SR-83; then west on SR-83 to Lampo Junction; west along the Union Pacific-Central Pacific Railroad Grade to Locomotive Springs; north on the Locomotive Springs-Snowville-Stone, Idaho Road to the Utah-Idaho border; east along this border to I-15; south on I-15 to SR-83.</li> </ul>		only 2 birds of either sex may be taken during the entire season	<ul style="list-style-type: none"> <li>Sharp-tailed grouse permit required.</li> <li>354 two-bird permits available.</li> <li>This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before obtaining a permit for this hunt.</li> </ul>

\*Possession limit is the number of bag limits one individual may legally possess.

Upland game season dates, bag and possession limits, and areas open, Utah 2007 (cont.).

Species	Season Dates	Areas Open	Bag Limit	Possession Limit*	Footnotes
White-tailed ptarmigan	Aug. 25-Oct. 15, 2007	<ul style="list-style-type: none"> <li>Daggett, Duchesne, Summit and Uintah counties.</li> </ul>	4	2 bag limits	<ul style="list-style-type: none"> <li>White-tailed ptarmigan permit required.</li> </ul>
Cottontail rabbit	Sept. 15, 2007-Feb. 29, 2008	<ul style="list-style-type: none"> <li>Statewide, except closed areas.</li> </ul>	10	2 bag limits	
Snowshoe hare	Sept. 15, 2007-Feb. 29, 2008	<ul style="list-style-type: none"> <li>Statewide, except closed areas.</li> </ul>	5	2 bag limits	
Jackrabbit (white-tailed and black-tailed)		<ul style="list-style-type: none"> <li>Jackrabbits are not protected in Utah. They may be hunted without a license, year-round.</li> </ul>			
Sandhill crane (Rich County)	Sept. 1, 2007-Sept. 9, 2007	<ul style="list-style-type: none"> <li>Hunt #001--Rich County</li> <li>All of Rich County.</li> </ul>		only 1 bird of either sex may be taken during the entire season	<ul style="list-style-type: none"> <li>Sandhill crane permit required.</li> <li>23 permits available.</li> </ul>
Sandhill crane (Box Elder County)	Sept. 1, 2007-Sept. 9, 2007	<ul style="list-style-type: none"> <li>Hunt #002 --East Box Elder County</li> <li>Beginning on the Utah-Idaho state line at the Box Elder-Cache county line; west on the state line to the Pocatello Valley county road; south on this county road to I-84; southeast on I-84 to SR-83; south on SR-83 to Lampo Junction; west and south on the Promontory Point county road to the tip of Promontory Point; south from Promontory Point to the Box Elder-Weber county line; east on the Box Elder-Weber county line to the Box Elder-Cache county line; north on this county line to the Utah-Idaho state line.</li> </ul>		only 1 bird of either sex may be taken during the entire season	<ul style="list-style-type: none"> <li>Sandhill crane permit required.</li> <li>21 permits available.</li> <li>Harold Crane, Public Shooting Grounds and Salt Creek Waterfowl Management Areas are closed to Sandhill Crane hunting.</li> <li>Bear River National Wildlife Refuge is closed to Sandhill Crane hunting.</li> </ul>
Sandhill crane (Cache County)	Sept. 1, 2007-Sept. 9, 2007	<ul style="list-style-type: none"> <li>Hunt #003 --Cache County</li> <li>All of Cache County, excluding the area beginning at the intersection of SR-30 and the Box Elder-Cache county line; south and east along the Box Elder-Cache county line to US-91; north and east on US-91 to the Little Bear River; north along the Little Bear River to SR-30; west on SR-30 to the Box Elder-Cache county line.</li> </ul>		only 1 bird of either sex may be taken during the entire season	<ul style="list-style-type: none"> <li>Sandhill crane permit required.</li> <li>49 permits available.</li> </ul>
Sandhill crane (Uintah County)	Sept. 22, 2007-Sept. 30, 2007	<ul style="list-style-type: none"> <li>Hunt #004--Uintah County</li> <li>All of Uintah County.</li> </ul>		only 1 bird of either sex may be taken during the entire season	<ul style="list-style-type: none"> <li>Sandhill crane permit required.</li> <li>71 permits available.</li> </ul>

\*Possession limit is the number of bag limits one individual may legally possess.

Rio Grande Wild Turkey permit numbers season dates, and areas open, Utah 2007 (Turkey Proclamation 2007).

Unit name	Hunt number	Season dates	Public permits	Landowner permits	Season limit	Areas open
Beaver (A)	100 500	4/14/07- 4/22/07	32	8	One bearded turkey	
Beaver (B)	101 501	4/23/07- 5/06/07	36	10	One bearded turkey	Beaver, Garfield, Iron, Millard and Piute counties—Boundary begins at I-15 and I-70; east on I-70 to US-89; south on US-89 to SR-20; west on SR-20 to I-15; north on I-15 to I-70.
Beaver (C)	102 502	5/07/07- 5/31/07	28	8	One bearded turkey	
Beaver (West) (A)	103 503	4/14/07- 4/22/07	4	1	One bearded turkey	
Beaver (West) (B)	104 504	4/23/07- 5/06/07	4	1	One bearded turkey	Beaver, Iron, and Millard counties—Boundary begins at I-15 and SR-130; north on SR-130 to SR-21; north on SR-21 to SR-257; north on SR-257 to the Black Rock Road; east on this road to I-15; south on I-15 to SR-130.
Beaver (West) (C)	105 505	5/07/07- 5/31/07	4	1	One bearded turkey	
Book Cliffs (South)	106 506	4/14/07- 5/31/07	5	1	One bearded turkey	Grand and Uintah counties—Boundary begins at I-70 and Floy Canyon (Exit 173); northeast up this canyon to the Book Cliffs Divide; east on this divide to the Utah-Colorado state line; south on this state line to I-70; west on I-70 to Floy Canyon (Exit 173).
Cache (Early)	107 507	4/14/07- 5/04/07	70	18	One bearded turkey	Cache County—Boundary begins at the Box Elder-Weber county line and I-15; north on I-15 to exit 368 (Corinne); west on SR-13/83 to SR-102; north and east on SR-102 to I-84, east on I-84 to I-15, north on I-15 to the Utah-Idaho state line; east on this state line to the Utah-Wyoming state line; south on this state line to SR-16; north and west on SR-16 to SR-39; west on SR-39 to USFS Road 54 (Ant Flat Road); north on this road to the Cache-Weber county line; west on this county line to the Box Elder-Weber county line; west on this county line to I-15. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt.
Cache (Late)	108 508	5/05/07- 5/31/07	80	20	One bearded turkey	
Caineville/Henry Mountains	109 509	4/14/07- 5/31/07	19	5	One bearded turkey	Wayne and Garfield Counties—Boundary is one mile north of the Fremont River--SR-24 bridge (bridge is two miles north of Hanksville); south along SR-24 to SR-95 in Hanksville; southeast on SR-95 to SR-276; south on SR-276 to the Notom Road; north on this road to SR-24; east on SR-24 to the SR-24—Fremont River crossing between the Notom Road and Caineville; east from this crossing where the boundary extends one mile on the north side of the Fremont River, to SR-24 one mile north of the Fremont River—SR-24 bridge north of Hanksville. The Caineville/Fremont River area is comprised of all or largely private property; there is also turkey habitat on private property on the Henry Mountains. Hunters should acquire written permission from the landowner before applying for this hunt.
Central Mountains, East Manti	110 510	4/14/07- 5/31/07	13	3	One bearded turkey	Carbon and Emery counties—Boundary begins at SR-10 and the Carbon-Emery county line; north on SR-10 to US-6 in Price; north on US-6 to SR-96; south on SR-96 to SR-264; west on SR-264 to SR-31; west on SR-31 to the Skyline Drive Road; south on this road to I-70; east on I-70 to US-6; north on US-6 to the Carbon-Emery county line; west on this county line to SR-10. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt.

Rio Grande Wild Turkey permit numbers season dates, and areas open, Utah 2007 (cont.).

Unit name	Hunt number	Season dates	Public permits	Landowner permits	Season limit	Areas open
Central Mountains, Nebo (A)	111 511	4/14/07- 4/22/07	61	16	One bearded turkey	Juab, Sanpete and Utah counties—Boundary begins at the junction of I-15 and US-6 at Spanish Fork; southeast on US-6 to US-89; south on US-89 to SR-28; north on SR-28 to I-15; north on I-15 to US-6 at Spanish Fork.
Central Mountains, Nebo (B)	112 512	4/23/07- 5/06/07	60	16	One bearded turkey	
Central Mountains, Nebo (C)	113 513	5/07/07- 5/31/07	62	16	One bearded turkey	
Central Mountains, West Manti (Early)	114 514	4/14/07- 5/04/07	19	5	One bearded turkey	Sanpete, Sevier and Utah counties—Boundary begins at the junction of US-89 and US-6 in Spanish Fork Canyon; east on US-6 to the Tucker Rest Stop and Skyline Drive Road; south on the Skyline Drive Road to I-70; west on I-70 to US-89 at Salina; north on US-89 to US-6 in Spanish Fork Canyon.
Central Mountains, West Manti (Late)	115 515	5/05/07- 5/31/07	19	5	One bearded turkey	
Central Region (West) (Early)	116 516	4/14/07- 5/04/07	44	12	One bearded turkey	Juab, Salt Lake, Tooele and Utah counties—Boundary begins at I-80 and I-15 in Salt Lake County; south on I-15 to Nephi and SR-132; west on SR-132 to US-6 at Lynndyl; north on US-6 to the Sand Dunes Road at Jericho Junction; west on this road passing north of Desert Mountain to the Old Riverbed Road; northwest on this road to the Pony Express Road; west on this road to the Dugway Valley Road (Pismire Wash); south on this road to the Juab-Millard county line; west on this county line to the Utah-Nevada state line; north on this state line to I-80; east on I-80 to the junction of I-15 in Salt Lake County. Tribal trust lands, military installations and the Keg Mountains (in Juab County) are excluded from this boundary.
Central Region (West) (Late)	117 517	5/05/07- 5/31/07	44	11	One bearded turkey	
Chalk Creek (Early)	118 518	4/14/07- 5/04/07	22	5	One bearded turkey	Duchesne and Summit counties—Boundary begins at the junction of I-84 and I-80 near Echo; northeast on I-80 to the Utah-Wyoming state line; southeast on this state line to SR-150; south on SR-150 to Pass Lake and the Weber River Trail; west on this trail to Holiday Park and the Weber River Road; west on this road to SR-32; northwest on SR-32 to I-80 and Wanship; north on I-80 to I-84 near Echo. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt.
Chalk Creek (Late)	119 519	5/05/07- 5/31/07	15	4	One bearded turkey	
Colorado River (A)	120 520	4/14/07- 4/22/07	8	2	One bearded turkey	Grand County—Boundary is one mile either side of the Colorado and Dolores rivers from the Utah-Colorado state line to Dewey Bridge; then all lands within one mile of the Colorado River and north of SR-128 from Dewey Bridge to the US-191 Bridge in Moab. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt.
Colorado River (B)	121 521	4/23/07- 5/06/07	8	2	One bearded turkey	
Colorado River (C)	122 522	5/07/07- 5/31/07	7	2	One bearded turkey	
East Canyon	123 523	4/14/07- 5/31/07	58	15	One bearded turkey	Morgan and Summit counties—Boundary begins at I-84 (Henefer-Echo exit) and SR-65; south on SR-65 to the Morgan-Salt Lake County line at Big Mountain; west and north on this county line to I-84; east on I-84 to the Henefer-Echo exit and SR-65. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt.

Rio Grande Wild Turkey permit numbers season dates, and areas open, Utah 2007 (cont.).

Unit name	Hunt number	Season dates	Public permits	Landowner permits	Season limit	Areas open
Fillmore, Oak Creek (A)	124 524	4/14/07- 4/22/07	23	6	One bearded turkey	Juab, Millard, Sanpete and Sevier counties—Boundary begins at I-15 and the Black Rock Road; west on this road to SR-257; north on SR-257 to US-50/6; north on US-50/6 to US-6; northeast on US-6 to SR-132; northeast on SR-132 to I-15; south on I-15 to the Black Rock Road.
Fillmore, Oak Creek (B)	125 525	4/23/07- 5/06/07	23	6	One bearded turkey	
Fillmore, Oak Creek (C)	126 526	5/07/07- 5/31/07	22	6	One bearded turkey	
Fillmore, Pahvant (A)	127 527	4/14/07- 4/22/07	42	12	One bearded turkey	Juab, Millard, Sanpete and Sevier counties—Boundary begins at I-70 and I-15; north on I-15 to SR-28; south on SR-28 to US-89; south on US-89 to I-70; west on I-70 to I-15.
Fillmore, Pahvant (B)	128 528	4/23/07- 5/06/07	42	12	One bearded turkey	
Fillmore, Pahvant (C)	129 529	5/07/07- 5/31/07	34	10	One bearded turkey	
Green River (A)	130 530	4/14/07- 4/22/07	14	3	One bearded turkey	Emery and Grand counties—Boundary is two miles either side of the Green River from the confluence of the Price River to Ten Mile Canyon. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt.
Green River (B)	131 531	4/23/07- 5/06/07	14	3	One bearded turkey	
Green River (C)	132 532	5/07/07- 5/31/07	14	3	One bearded turkey	
Kaiparowits (Early)	133 533	4/14/07- 5/04/07	8	2	One bearded turkey	Garfield and Kane counties—Boundary begins at the Utah-Arizona state line and the Paria River; north on this river to SR-12; east on SR-12 to the Burr Trail Road at Boulder; southeast on this road to Lake Powell; southwest on the shore of Lake Powell to the Utah-Arizona state line; west on this state line to the Paria River.
Kaiparowits (Late)	134 534	5/05/07- 5/31/07	7	2	One bearded turkey	
Monroe Mountain (Early)	135 535	4/14/07- 5/04/07	11	3	One bearded turkey	Piute and Sevier counties—Boundary begins at I-70 and US-89 north of Sigurd; south on US-89 to SR-24; south on SR-24 to SR-62; south and west on SR-62 to US-89; north on US-89 to I-70 near Sevier; north on I-70 to US-89 north of Sigurd.
Monroe Mountain (Late)	136 536	5/05/07- 5/31/07	14	3	One bearded turkey	
Morgan-South Rich (Morgan, Rich, and Weber counties)	137 537	4/14/07- 5/31/07	29	7	One bearded turkey	Morgan, Rich and Weber counties—Boundary begins at SR-167 at Mountain Green; north on SR-167 to SR-39; east on SR-39 to SR-16; south and east on SR-16 to the Utah-Wyoming state line; south on this state line to the Rich-Summit County line; west on this county line to the Morgan-Summit County line; west on this county line to the Beaver Dam Hollow Road; west on this road to the Francis Canyon Road; north and west on this road to the Lost Creek Road; south and west on this road to I-84; west on I-84 to SR-167 at Mountain Green. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt.



Rio Grande Wild Turkey permit numbers season dates, and areas open, Utah 2007 (cont.).

Unit name	Hunt number	Season dates	Public permits	Landowner permits	Season limit	Areas open
Mount Dutton (Early)	138 538	4/14/07- 5/04/07	8	2	One bearded turkey	Garfield and Piute counties—Boundary begins at US-89 and SR-62; south on US-89 to SR-12; east on SR-12 to the Widtsoe-Antimony Road; north on this road to SR-22; north on SR-22 to SR-62; west on SR-62 to US-89.
Mount Dutton (Late)	139 539	5/05/07- 5/31/07	6	1	One bearded turkey	
Northeastern Region Private Lands (A)	140 540	4/14/07- 4/20/07	35	9	One bearded turkey	Carbon, Daggett, Duchesne, Grand, Summit, Wasatch, Uintah and Utah counties—Includes all private land, <b>except tribal trust land</b> , within the following: Boundary begins at the Utah-Wyoming state line and USFS Road 221 (Birch Creek); south on USFS Road 221 to USFS Road 058; west on USFS Road 058 to the Wasatch-Ashley National Forest boundary; south on this boundary to the Summit-Duchesne county line (summit of the Uinta Mountains); west on this county line to SR-150 at Hayden Pass; southwest on SR-150 to USFS Road 037 (Soapstone Basin Road); south on this road to SR-35; west on SR-35 to USFR Road 054 (Mill Hollow Road); southwest on this road to USFS Road 083 (Lake Creek Road); southeast on this road across Roundy Basin to USFS Road 082 (the new Co-op Creek Road); south on this road to US-40; east on US-40 to Soldier Creek Dam road; south on this road to the Strawberry River; east on this river to Beaver Canyon and Beaver Creek; southwest on this creek to Big Beaver Springs and USFS Road 081 (Reservation Ridge Road); south and east on this road to US-191; northeast on this road to Argyle Canyon Road; southeast on this road to Nine Mile Canyon road; east on this road to the end of the Nine Mile Canyon road and Nine Mile Creek; east on this creek to its confluence with the Green River; south on the Green River and the Ute Indian Reservation boundary to Coal Creek; east on this creek and the Ute Indian Reservation boundary to the summit of the Book Cliffs drainage divide; east on this divide and the Ute Indian Reservation boundary to the head of Hell's Hole Canyon; east on the Book Cliffs drainage divide to Ten Mile Knoll and the Book Cliffs Divide Road; east on this road to the Utah-Colorado state line; north on this state line to the Utah-Wyoming state line; west on this state line to USFS Road 221 (Birch Creek). <b>Excludes tribal trust land.</b> This hunt is comprised of private land only. Hunters should acquire written permission from the landowner before applying for this hunt.
Northeastern Region Private Lands (B)	141 541	4/21/07- 4/29/07	35	9	One bearded turkey	
Northeastern Region Private Lands (C)	142 542	4/30/07- 5/13/07	32	8	One bearded turkey	
Northeastern Region Private Lands (D)	143 543	5/14/07- 5/31/07	29	7	One bearded turkey	

Rio Grande Wild Turkey permit numbers season dates, and areas open, Utah 2007 (cont.).

Unit name	Hunt number	Season dates	Public permits	Landowner permits	Season limit	Areas open
Northeastern Region Public Lands (A)	144 544	4/21/07- 4/29/07	11	0	One bearded turkey	Carbon, Daggett, Duchesne, Grand, Summit, Wasatch, Uintah and Utah counties—Includes all public land (subject to restrictions and closures imposed by administering agencies) within the following: Boundary begins at the Utah-Wyoming state line and USFS Road 221 (Birch Creek); south on USFS Road 221 to USFS Road 058; west on USFS Road 058 to the Wasatch-Ashley National Forest boundary; south on this boundary to the Summit-Duchesne county line (summit of the Uinta Mountains); west on this county line to SR-150 at Hayden Pass; southwest on SR-150 to USFS Road 037 (Soapstone Basin Road); south on this road to SR-35; west on SR-35 to USFS Road 054 (Mill Hollow Road); southwest on this road to USFS Road 083 (Lake Creek Road); southeast on this road across Roundy Basin to USFS Road 082 (the new Co-op Creek Road); south on this road to US-40; east on US-40 to Soldier Creek Dam road; south on this road to the Strawberry River; east on this river to Beaver Canyon and Beaver Creek; southwest on this creek to Big Beaver Springs and USFS Road 081 (Reservation Ridge Road); south and east on this road to US-191; northeast on this road to Argyle Canyon Road; southeast on this road to Nine Mile Canyon road; east on this road to the end of the Nine Mile Canyon road and Nine Mile Creek; east on this creek to its confluence with the Green River; south on the Green River and the Ute Indian Reservation boundary to Coal Creek; east on this creek and the Ute Indian Reservation boundary to the summit of the Book Cliffs drainage divide; east on this divide and the Ute Indian Reservation boundary to the head of Hell's Hole Canyon; east on the Book Cliffs drainage divide to Ten Mile Knoll and the Book Cliffs Divide Road; east on this road to the Utah-Colorado state line; north on this state line to the Utah-Wyoming state line; west on this state line to USFS Road 221 (Birch Creek). <b>Excludes tribal trust land.</b> This hunt is comprised of public land only.
Northeastern Region Public Lands (B)	145 545	4/30/07- 5/13/07	19	0	One bearded turkey	
Northeastern Region Public Lands (C)	146 546	5/14/07- 5/31/07	14	0	One bearded turkey	
Ogden (South) (Early)	147 547	4/14/07- 5/04/07	30	8	One bearded turkey	Weber County—Boundary begins at the Box Elder-Weber county line and I-15; south on I-15 to I-84; east on I-84 to Mountain Green and SR-167 (Trappers Loop Road); north on SR-167 to SR-39; east on SR-39 to USFS Road 054 (Ant Flat Road); north on this road to the Cache-Weber county line; west on this county line to the Box Elder-Weber county line; west on this county line to I-15. <b>THESE HUNTS EXCLUDE THE MIDDLE FORK WILDLIFE MANAGEMENT AREA.</b> This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt.
Ogden (South) (Late)	148 548	5/05/07- 5/31/07	34	9	One bearded turkey	Weber County—Boundary begins at the Box Elder-Weber county line and I-15; south on I-15 to I-84; east on I-84 to Mountain Green and SR-167 (Trappers Loop Road); north on SR-167 to SR-39; east on SR-39 to USFS Road 054 (Ant Flat Road); north on this road to the Cache-Weber county line; west on this county line to the Box Elder-Weber county line; west on this county line to I-15. <b>THESE HUNTS INCLUDE THE MIDDLE FORK WILDLIFE MANAGEMENT AREA.</b> This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt.
Panguitch Lake (Early)	149 549	4/14/07- 5/04/07	16	4	One bearded turkey	Garfield, Iron and Kane counties—Boundary begins at SR-14 and US-89; north on US-89 to SR-20; west on SR-20 to I-15; south on I-15 to SR-143; south on SR-143 to SR-148; south on SR-148 to SR-14; east on SR-14 to US-89.
Panguitch Lake (Late)	150 550	5/05/07- 5/31/07	13	4	One bearded turkey	

Rio Grande Wild Turkey permit numbers season dates, and areas open, Utah 2007 (cont.).

Unit name	Hunt number	Season dates	Public permits	Landowner permits	Season limit	Areas open
Paunsaugunt (A)	151 551	4/14/07- 4/22/07	22	6	One bearded turkey	Garfield and Kane counties—Boundary begins at US-89A and the Utah-Arizona state line; north on US-89A to US-89; north on US-89 to SR-12; east on SR-12 to the Paria River; south on this river to the Utah-Arizona state line; west on this state line to US-89A.
Paunsaugunt (B)	152 552	4/23/07- 5/06/07	18	5	One bearded turkey	
Paunsaugunt (C)	153 553	5/07/07- 5/31/07	25	6	One bearded turkey	
Pine Valley (A)	154 554	4/14/07- 4/22/07	68	18	One bearded turkey	Iron and Washington counties—Boundary begins at I-15 and the Utah-Arizona state line; north on I-15 to SR-56; west on SR-56 to the Lund Highway; northwest on this highway to the Union Pacific railroad tracks at Lund; southwest on these tracks to the Utah-Nevada state line; south on this state line to the Utah-Arizona state line; east on this state line to I-15. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt.
Pine Valley (B)	155 555	4/23/07- 5/06/07	57	15	One bearded turkey	
Pine Valley (C)	156 556	5/07/07- 5/31/07	44	11	One bearded turkey	
Plateau, Fishlake (Early)	157 557	4/14/07- 5/04/07	6	2	One bearded turkey	Piute, Sevier and Wayne counties—Boundary begins at I-70 and US-89 north of Sigurd; south on US-89 to SR-24; south on SR-24 to SR-72; north on SR-72 to I-70; west on I-70 to US-89 north of Sigurd.
Plateau, Fishlake (Late)	158 558	5/05/07- 5/31/07	6	1	One bearded turkey	
Plateau, Thousand Lakes	159 559	4/14/07- 5/31/07	6	2	One bearded turkey	Emery, Sevier and Wayne counties—Boundary begins at the junction of SR-24 and SR-72; east on SR-24 to Caineville and the Caineville-Fremont Junction Road; north on this road to the junction of I-70 and SR-72; south on SR-72 to SR-24.
Wasatch Mountains (A)	160 560	4/14/07- 4/22/07	52	14	One bearded turkey	Salt Lake, Summit, Utah, and Wasatch counties—Boundary begins at I-80 and US-40; south on US-40 to SR-248; east on SR-248 to SR-35 in Kamas; south and east on SR-35 to USFS Road 054 (Mill Hollow Road); southwest on this road to USFS Road 083 (Lake Creek Road); southeast on this road across Roundy Basin to USFS Road 082 (new Coop Creek Road); south on this road to US-40; east on US-40 to the Soldier Creek Dam Road; south on this road to the Strawberry River; east on this river to Beaver Canyon and Beaver Creek; southwest along this creek to Big Beaver Springs and USFS Road 081 (Reservation Ridge Road); south and west on this road to US-6; west on US-6 to I-15; north on I-15 to I-80; east on I-80 to US-40.
Wasatch Mountains (B)	161 561	4/23/07- 5/06/07	72	19	One bearded turkey	
Wasatch Mountains (C)	162 562	5/07/07- 5/31/07	73	19	One bearded turkey	

Merriam's Wild Turkey permit numbers season dates, and areas open, Utah 2007 (Turkey Proclamation 2007).

Unit name	Hunt number	Season dates	Public permits	Landowner permits	Season limit	Areas open
Boulder Mountain (A)	200 600	4/21/07- 4/29/07	48	13	One bearded turkey	Garfield, Piute, and Wayne counties—Boundary begins at SR-24 and SR-62; south on SR-62 to SR-22; south on SR-22 to the Antimony-Widtsoe road; south on this road to SR-12; east on SR-12 to the Burr Trail Road at Boulder; east on this road to the Notom Road; north on this road to SR-24; west on SR-24 to SR-62.
Boulder Mountain (B)	201 601	4/30/07- 5/13/07	36	10	One bearded turkey	
Boulder Mountain (C)	202 602	5/14/07- 5/31/07	36	9	One bearded turkey	
La Sal (A)	203 603	4/21/07- 4/29/07	15	4	One bearded turkey	Grand and San Juan counties—Boundary begins at the junction of SR-128 and US-191; south on US-191 to SR-46; east on SR-46 to the Lisbon Valley Road; southeast on this road to the Island Mesa Road; east on this road to the Utah-Colorado state line; north on this state line to a point one mile south of the Dolores River; west on a line one mile south of the Dolores River to SR-128; southwest on SR-128 to US-191.
La Sal (B)	204 604	4/30/07- 5/13/07	15	4	One bearded turkey	
La Sal (C)	205 605	5/14/07- 5/31/07	20	6	One bearded turkey	
San Juan (A)	206 606	4/21/07- 4/29/07	44	12	One bearded turkey	Grand and San Juan counties—Boundary begins at the junction of the Colorado River and US-191; south on US-191 to the Big Indian Road; east on this road to the Lisbon Valley Road; east on this road to the Island Mesa Road; east on this road to the Utah-Colorado state line; south on this state line to the Navajo Indian Reservation boundary; west on this boundary to Lake Powell; north on this lake shore to the Colorado River; north on this river to the junction of the Colorado River and US-191.
San Juan (B)	207 607	4/30/07- 5/13/07	44	11	One bearded turkey	
San Juan (C)	208 608	5/14/07- 5/31/07	52	14	One bearded turkey	
Zion (A)	209 609	4/21/07- 4/29/07	82	20	One bearded turkey	Garfield, Iron and Kane counties—Boundary begins at US-89 and SR-14; west on SR-14 to SR-148; north on SR-148 to SR-143; north and west on SR-143 to I-15; south on I-15 to the Utah-Arizona state line; east on this state line to US-89A; north on US-89A to US-89; north on US-89 to SR-14. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt.
Zion (B)	210 610	4/30/07- 5/13/07	70	18	One bearded turkey	
Zion (C)	211 611	5/14/07- 5/31/07	81	21	One bearded turkey	

CWMU Wild Turkey hunt information, Utah 2007 (Turkey Proclamation 2007).

Hunt name	Hunt Unit	Season dates	Public permits	Hunt number	Operator
Rio Grande Turkeys					
Hiawatha	Central Mountains, East Manti	Contact operator	1	700	Brad Jenkins
Heaston East	Central Region (West)	Contact operator	2	701	Terry Thatcher
Jacob's Creek	East Canyon	Contact operator	2	702	Ted Kimball
Missouri Flat	Fillmore, Pahvant	Contact operator	5	703	Jed Wayment
Dry Bread	Morgan-South Rich (Morgan, Rich and Weber counties)	Contact operator	1	704	Jay Anderson
Folley Ridge	Morgan-South Rich (Morgan, Rich and Weber counties)	Contact operator	5	705	John Hansen
Bar J Ranch	Plateau, Fishlake	Contact operator	3	706	Greg Simonsen
Merriam's Turkeys					
Redd Ranches	La Sal	Contact operator	3	800	David Redd

## **APPENDIX D**

### **HUNTER HARVEST SURVEY RESPONSE SUMMARY**

Upland game harvest mail questionnaire returns, Utah 1962–2007.

Year	Questionnaires mailed	Total surveys returned	% returned	Total usable returns	% usable	% of permittees who did not hunt
1962	10,068	4,122	40.9	3,433	34.1	22.0
1963	11,058	5,062	45.8	4,325	39.1	21.0
1964	10,718	4,840	45.2	4,180	39.0	23.0
1965	11,917	6,232	52.3	—	—	34.0
1966	13,131	5,734	43.7	5,734	43.7	34.6
1967	12,012	5,764	48.0	5,764	48.0	25.1
1968	14,068	6,138	43.6	6,138	43.6	25.6
1969	15,036	6,429	42.8	6,429	42.8	28.0
1970	14,730	6,639	45.1	6,639	45.1	38.8
1971	15,149	—	43.2	—	—	—
1972	15,272	—	—	6,399	41.9	—
1973	17,572	—	—	7,999	45.5	—
1974	27,379	9,157	33.4	8,027	29.3	—
1975	26,657	10,880	40.8	9,132	34.3	—
1976	21,250	7,889	37.1	6,226	29.3	—
1977	20,984	9,329	44.5	8,099	38.6	—
1978	24,733	7,575	30.6	6,529	26.4	—
1979	27,616	10,498	38.0	9,274	33.6	26.4
1980	27,952	9,857	35.3	8,496	30.4	33.1
1981	13,925	7,941	57.0	6,367	45.7	31.4
1982	22,609	10,167	45.0	8,734	38.6	27.0
1983	23,430	10,324	44.1	9,497	40.5	28.7
1984	12,026	6,455	53.7	6,324	52.6	31.1
1985	10,772	5,904	54.8	5,843	54.2	35.2
1986	11,103	5,329	48.0	5,256	47.3	34.2
1987	10,022	4,294	42.8	4,272	42.6	30.1
1988	15,350	6,650	43.3	6,527	42.5	35.6
1989	12,894	5,135	39.8	5,105	39.6	36.7
1990	12,236	5,264	43.0	5,175	42.3	39.1
1991	15,054	6,419	42.6	6,212	41.3	42.7
1992	16,472	6,207	37.7	5,977	36.3	45.0
1993	16,534	6,293	38.1	5,442	32.9	42.6
1994	15,526	5,433	35.0	5,131	33.0	45.1
1995	14,777	4,951	33.5	4,866	32.9	41.7
1996	14,088	4,090	29.0	4,028	28.6	36.2
1997	13,689	4,488	32.8	4,338	31.7	40.0
1998	14,497	5,536	38.2	3,862	26.6	43.5
1999	14,630	6,082	41.6	5,426	37.1	39.6
2000	14,181	5,020	35.4	4,555	32.1	37.4
2001	—	2,500	—	—	—	43.6
2002	—	2,501	—	—	—	40.9
2003	—	2,500	—	—	—	35.3
2004	—	2,500	—	—	—	42.2
2005	—	2,500	—	—	—	33.6
2006	—	2,501	—	—	—	50.5
2007	—	4,978	—	—	—	75.5

\*The mail questionnaire survey was replaced by a hunter harvest telephone survey in 2001