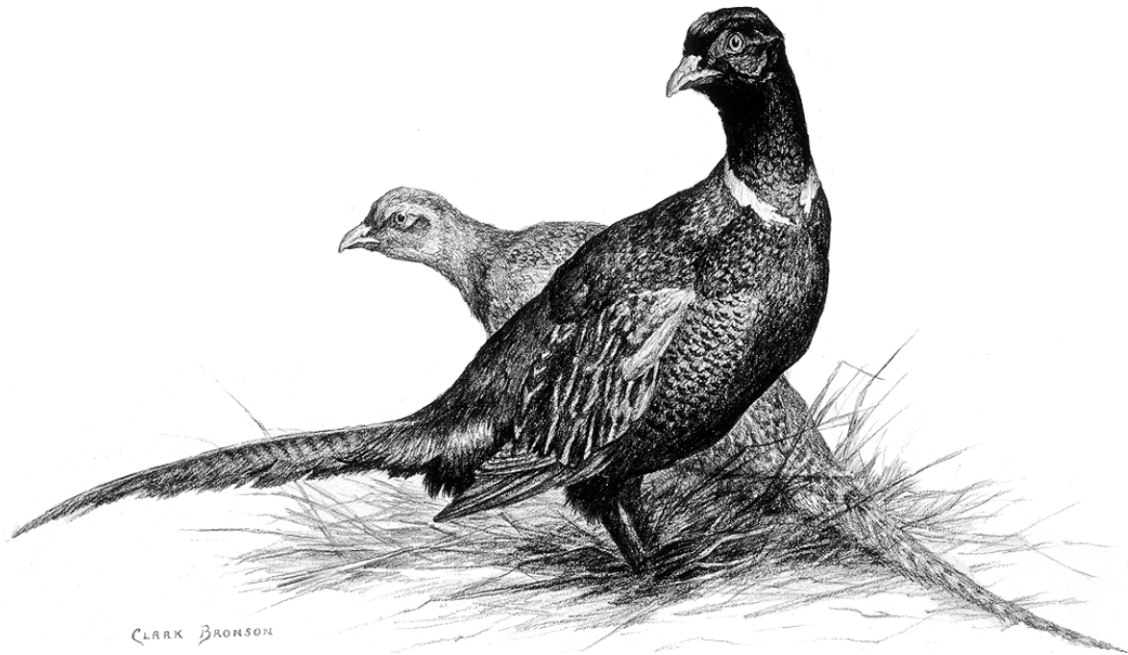


UTAH UPLAND GAME ANNUAL REPORT 2011-12



Publication No. 12-25



Utah Upland Game Annual Report 2011–12

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Annual Performance Report for Federal Aid Project W-65-M-59 & 60

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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DEFINITIONS

General upland game: Upland game species that can be hunted with a basic hunting or combination license and do not require any additional, species-specific permit. Upland game species in this category include chukar partridge, cottontail rabbit (desert and mountain), doves (mourning and white-winged), forest grouse (dusky and ruffed), Hungarian partridge, quail (Gambel's and California) ring-necked pheasant, and snowshoe hare.

Special permit upland game: Upland game species for which an additional, species-specific hunting permit is required, in addition to a basic hunting or combination license. Species in this category include band-tailed pigeon, greater sage-grouse, sandhill crane, sharp-tailed grouse, white-tailed ptarmigan, and wild turkey.

Year: This annual report covers the state fiscal year period July 1, 2011 through June 30, 2012 (hereafter referred to as 2011–12). All upland game surveys, inventories, and hunting seasons within this time frame are presented here. This report presents all data from the hunting seasons that were outlined in the 2011–12 Upland Game Guidebook. Year designations in specific tables refer to the actual time frame of that survey / hunting season. For example, hunting seasons that occurred in the fall or the spring will have single year designations (e.g., 2011 or 2012, respectively), while fall/winter seasons will have an overlapping year designation (e.g., 2011–12). NOTE: Previous editions of the upland game annual report presented data from a calendar year time frame, rather than that described above. The change was needed due to the combining of the upland game and wild turkey guidebooks in 2011. As such, this year's report covers two seasons of data for wild turkey harvest, mourning dove call counts, sage-grouse lek counts, and sharp-tailed grouse lek counts.

SAGE-GROUSE AND SHARP-TAILED GROUSE DEFINITIONS

Lek: Sage-grouse or sharp-tailed grouse strutting ground.

Strutting grounds visited: Total number of known sage-grouse or sharp-tailed grouse strutting grounds (leks) that were visited during spring counts, regardless of whether or not birds were actually present.

Strutting grounds occupied: Number of sage-grouse or sharp-tailed grouse strutting grounds (leks) that were active, i.e., grounds where male birds were present during spring counts.

Average males / occupied ground: Average number of male sage-grouse or sharp-tailed grouse that were counted at occupied or "active" grounds.

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 38th 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 59 & 60. 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 2011–12 upland game hunting seasons, 2011 turkey season, and 2012 turkey season, as well as inventory and trend surveys that took place from July 2011 through June 2012.

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/or 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, greater sage-grouse, sandhill crane, 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.

METHODS

General upland game harvest statistics were obtained from a random sample of licensed hunters using an Internet-based survey, followed by a telephone survey for non-response bias. The sample was stratified by license type and then the data were projected by the total number of license holders in each stratum. This same methodology was used for the wild turkey survey. Hunters with permits for band-tailed pigeon, greater sage-grouse, sharp-tailed grouse, and white-tailed ptarmigan were surveyed through a separate mixed-mode web/telephone survey. All hunters who obtained a sandhill crane permit were mailed a harvest questionnaire and asked to return it, regardless of success. Some hunters failed to report so harvest statistics are projected by the total number of permit holders for each individual hunt.

In Utah, hunters were required to purchase either a combination license or a basic hunting license before purchasing a species-specific hunting permit or before applying in any drawings. Therefore, only a fraction of hunters who purchased a license actually hunted upland game, and a much larger sample of license holders was required for the upland game harvest survey.

Changes and Corrections

Past editions of the Upland Game Annual Report presented statistics from spring and fall/winter harvest and inventory surveys, aligned mainly with the calendar year. In 2011, the upland game and wild turkey guidebooks were combined, e.g., 2011–12 upland game season information and 2012 wild turkey season information were published in a single guidebook. Therefore, beginning with this year, the seasons published in the Upland Game Annual Report will match the seasons from the guidebook, and the annual report will be aligned more with the state fiscal year (July through the following June) rather than straight calendar year. To reflect this change, two seasons of wild turkey harvest information, 2011 and 2012, have been included in this 2011–12 report. Similarly, two years of sage-grouse and sharp-tailed grouse spring lek count data, as well as two years of mourning dove call count data, are included in this annual report.

We began to track harvest of Eurasian collared-doves in 2006 as these birds had begun to increase in abundance and distribution throughout Utah. These birds could be hunted year-round, without a license, and did not count towards the aggregate dove bag. Total harvest of Eurasian collared-doves, as estimated in this report, represents only the harvest taken by hunters as they hunted other doves, and does not accurately reflect the total annual statewide kill of these birds. Therefore, for this report, dove trends such as “total doves bagged”, “doves per hunter”, and “doves per hunter-day” only include regulated dove species (mourning and white-winged), and do not include Eurasian collared-doves. Mistakes were found in the 2006 through 2010 upland game annual reports, in which Eurasian collared-doves were inadvertently included in these trend statistics. These errors have been fixed in this report and future summaries for dove harvest and hunting effort will not include Eurasian collared-doves.

Finally, in past annual reports, quail harvest and hunting statistics were a combination of both California quail and Gambel’s quail. Beginning with this report, hunt and harvest information will be presented for each species separately. Historical harvest and hunting effort of Gambel’s quail were approximated for each year by pulling out all Washington and Kane County hunters, harvest, and days-afield from the total statewide estimates. The remaining estimates of harvest and hunt effort were attributed to California quail. It is possible that some hunters who hunted Gambel’s quail also hunted California quail in other counties, in which case total California quail hunters in the historical trends tables would be underestimated. Both species of quail are found in Iron County—all quail harvest in Iron County was assumed to be California quail.

RESULTS

Out of 181,590 licenses sold, 45,916 people were randomly selected for participation in the general upland game harvest survey, representing a 25.3% sample of all licensed hunters in Utah for 2011–12. These hunters were sent an email inviting them to participate in the Internet-based harvest survey. Of those hunters contacted, 10,681 (23.3%) submitted an online harvest survey. A random sample of 5,567 hunters who did not respond to the Internet-based survey were contacted by telephone for the non-response bias correction survey. Survey information for turkey and other upland game species are presented in the table below.

Upland game survey methods and response rates, 2011–12.

Species	Survey method	Permits / licenses sold	Sample size
Band-tailed pigeon	Web/phone	263	125
General upland game	Web/phone	181590	16248
Greater sage-grouse	Web/phone	559	327
Sandhill crane	Mail	242	191
Sharp-tailed grouse	Web/phone	282	138
White-tailed ptarmigan	Web/phone	318	159
Wild turkey 2011	Web/phone	9632	4516
Wild turkey 2012	Web/phone	8310	4811

*See wild turkey section for more details.

A total of 28,617 hunters went afield in 2011–12 in pursuit of various general upland game species. 8,291 hunters hunted wild turkey in 2011 and 7,055 hunted in 2012. Detailed information describing the upland game harvest can be found in the following tables. Regulations for the 2011–12 upland game and 2011 and 2012 wild turkey hunting seasons are shown in Appendix D.

Summary of upland game harvest statistics, Utah 2011–12.

Species	Hunters afield	Total harvest	Hunter-days afield	Bag per hunter-day	Bag per hunter per season
Band-tailed pigeon	90	21	305	0.1	0.2
California quail	1082	3741	5790	0.6	3.5
Chukar partridge	5572	27553	31431	0.9	4.9
Cottontail rabbit	6189	22293	35520	0.6	3.6
Dove	8891	71217	38689	1.8	8.0
Mourning	—	67401	—	—	—
White-winged	—	2017	—	—	—
Unknown	—	1799	—	—	—
Forest grouse	7941	25607	41223	0.6	3.2
Dusky	—	12399	—	—	—
Ruffed	—	11906	—	—	—
Unknown	—	1302	—	—	—
Gambel's quail	468	1410	1250	1.1	3.0
Greater sage-grouse	429	441	749	0.6	1.0
Hungarian partridge	918	4001	5152	0.8	4.4
Ring-necked pheasant	14188	40899	62150	0.7	2.9
Sandhill crane	202	149	333	0.4	0.7
Sharp-tailed grouse	177	180	308	0.6	1.0
Snowshoe hare	634	1682	2368	0.7	2.7
White-tailed ptarmigan	76	22	204	0.1	0.3
Wild turkey 2011	8291	2001	—	—	0.2
Wild turkey 2012	7055	1777	—	—	0.3

Number of general upland game hunters afield by species or species group, Utah 2002–2012.

Species	Year									
	2002–03	2003–04	2004–05	2005–06	2006–07	2007–08	2008–09	2009–10	2010–11	2011–12
California quail	1855	2089	1636	1989	2181	1848	1664	1588	1043	1082
Chukar partridge	6944	8118	6265	11565	6245	4971	6627	6562	6272	5572
Cottontail rabbit	7483	8685	6358	12575	7401	6794	8543	6517	7684	6189
Dove	13619	14625	13210	15849	10904	10017	13430	11023	11372	8891
Forest grouse	13020	15669	14259	13371	11532	8193	12189	10791	10724	7941
Gambel’s quail	539	448	463	1530	628	225	804	688	557	468
Hungarian partridge	2694	2656	2253	4345	2148	1099	1475	1817	1006	918
Ring-necked pheasant	22149	20773	13457	26864	16521	13764	16936	16798	18103	14188
Snowshoe hare	658	686	525	612	496	550	619	766	631	634
Total hunters*	44238	48261	44629	50821	40873	30525	37419	34271	35639	28617

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

Number of special permit upland game hunters afield by species, Utah 2002–2012.

Species	Year									
	2002–03	2003–04	2004–05	2005–06	2006–07	2007–08	2008–09	2009–10	2010–11	2011–12
Band-tailed pigeon	58	107	60	52	71	69	63	78	51	90
Greater sage-grouse	521	767	1077	1231	1070	1083	838	628	650	429
Sandhill crane	86	79	67	76	105	141	174	228	253	202
Sharp-tailed grouse	71	249	218	170	152	149	179	209	233	177
White-tailed ptarmigan	59	114	61	98	61	58	61	49	95	76
Wild turkey*	1427	1279	1656	2429	2800	6831	11138	10941	8291	7055

*Year 2010–11 corresponds with the 2011 wild turkey season, and 2011–12 the 2012 wild turkey season.

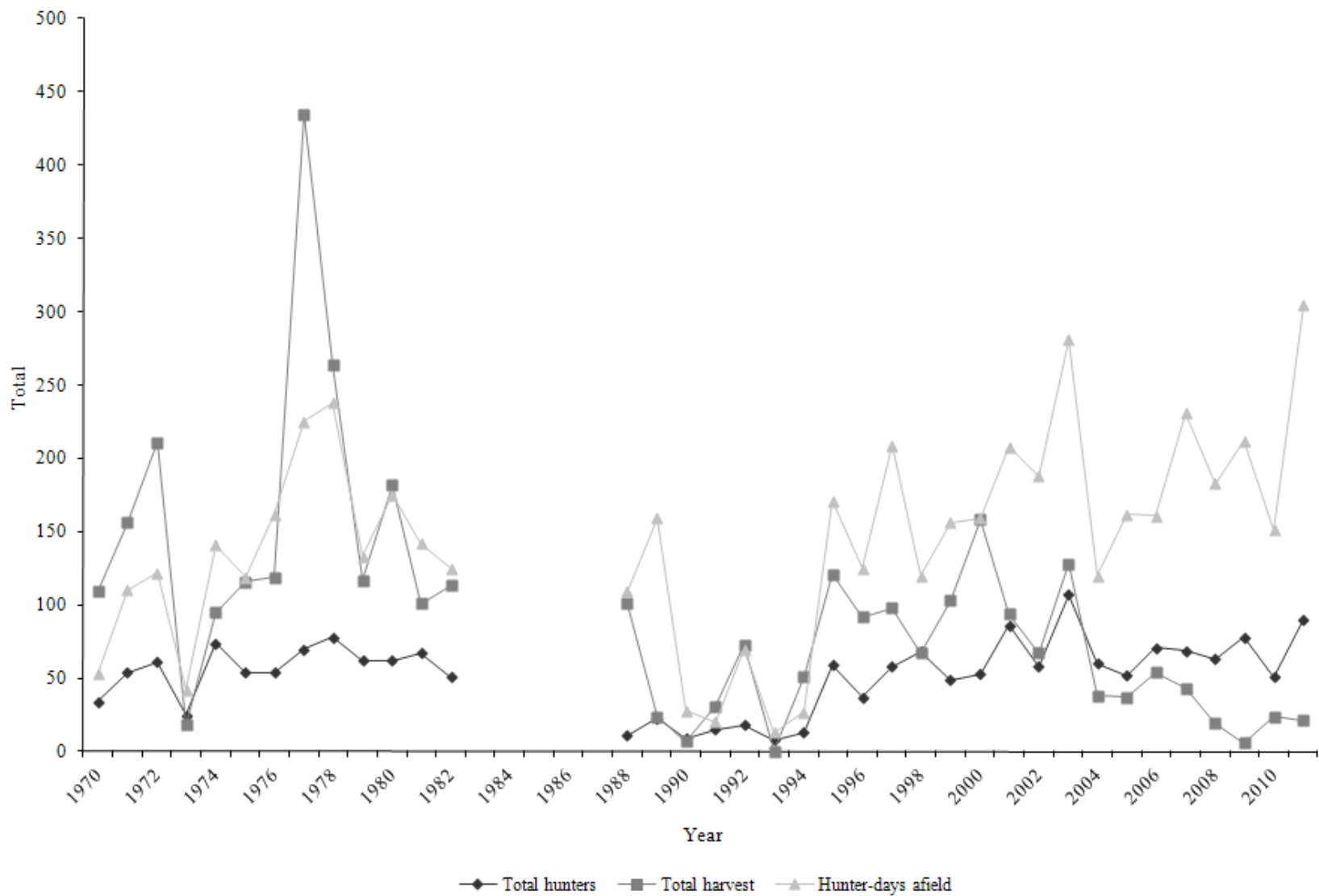
Percent of general upland game hunters afield who reported hunting each species or species group, Utah 2002–2012.

Species	Year									
	2002–03	2003–04	2004–05	2005–06	2006–07	2007–08	2008–09	2009–10	2010–11	2011–12
California quail	6.0	5.5	5.9	4.2	4.3	3.7	3.9	5.3	6.1	4.4
Chukar partridge	15.7	16.8	14.0	22.8	15.3	16.3	17.7	19.2	17.6	19.5
Cottontail rabbit	16.9	18.0	14.3	24.7	18.1	22.3	22.8	19.0	21.6	21.6
Dove	30.8	30.3	29.6	31.2	26.7	32.8	35.9	32.2	31.9	31.1
Forest grouse	29.4	32.5	32.0	26.3	28.2	26.8	32.6	31.5	30.1	27.7
Gambel’s quail	1.2	1.5	1.1	1.2	0.9	1.0	3.0	1.5	0.7	2.1
Hungarian partridge	6.1	5.5	5.1	8.6	5.3	3.6	3.9	5.3	2.8	3.2
Ring-necked pheasant	50.1	43.0	30.2	52.9	40.4	45.1	45.3	49.0	50.8	49.6
Snowshoe hare	1.5	1.4	1.2	1.2	1.2	1.8	1.7	2.2	1.8	2.2

BAND-TAILED PIGEON

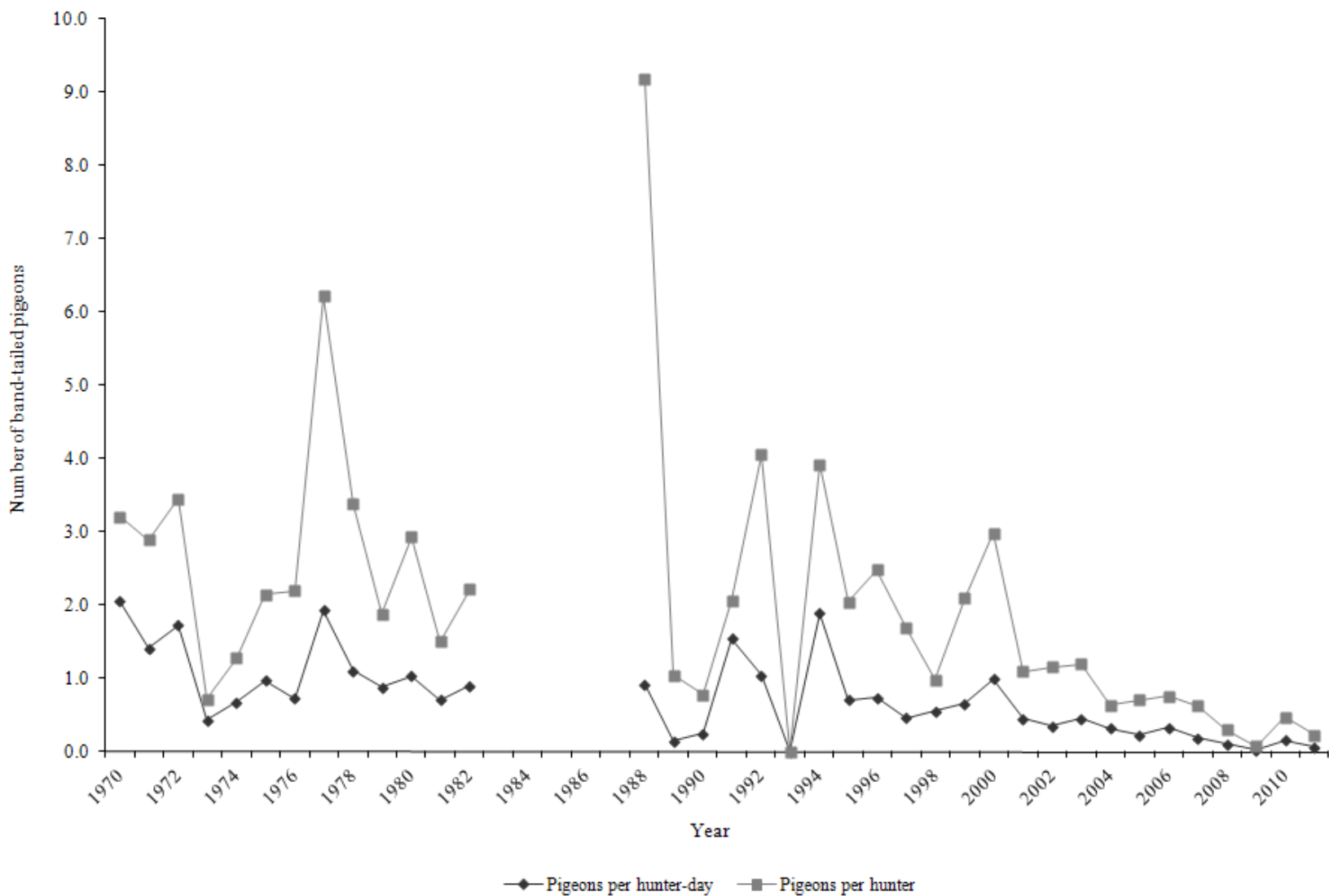


Statewide trends in band-tailed pigeon harvest statistics, Utah 1970–2011.



*No data available 1983–1987.

Statewide trends in band-tailed pigeon hunter success, Utah 1970–2011.



*No data available 1983–1987.

Band-tailed pigeon harvest statistics by region and county, Utah 2011.

Region and county	n	Hunters afield	Hunter-days afield	Pigeons bagged	Pigeons / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	1	2	8	0	0.0	2.6	0.0
Cache	0	—	—	—	—	—	—
Davis	3	6	32	0	0.0	10.5	0.0
Morgan	0	—	—	—	—	—	—
Rich	0	—	—	—	—	—	—
Summit	2	4	8	0	0.0	2.6	0.0
Weber	3	6	13	0	0.0	4.3	0.0
Regional total	9	18	61	0	0.0	20.0	0.0
Central Region							
Juab	2	4	8	0	0.0	2.6	0.0
Salt Lake	0	—	—	—	—	—	—
Sanpete	3	6	21	0	0.0	6.9	0.0
Tooele	1	2	8	0	0.0	2.6	0.0
Utah	17	36	78	19	0.2	25.6	90.5
Wasatch	0	—	—	—	—	—	—
Regional total	23	48	115	19	0.2	37.7	90.5
Southern Region							
Beaver	3	6	15	0	0.0	4.9	0.0
Garfield	1	2	8	0	0.0	2.6	0.0
Iron	1	2	4	0	0.0	1.3	0.0
Kane	0	—	—	—	—	—	—
Millard	4	8	13	0	0.0	4.3	0.0
Piute	1	2	2	0	0.0	0.7	0.0
Sevier	2	4	11	0	0.0	3.6	0.0
Washington	1	2	11	0	0.0	3.6	0.0
Wayne	1	2	2	0	0.0	0.7	0.0
Regional total	14	28	66	0	0.0	21.6	0.0
Northeastern Region							
Daggett	0	—	—	—	—	—	—
Duchesne	0	—	—	—	—	—	—
Uintah	0	—	—	—	—	—	—
Regional total	0	—	—	—	—	—	—
Southeastern Region							
Carbon	0	—	—	—	—	—	—
Emery	0	—	—	—	—	—	—
Grand	2	4	13	0	0.0	4.3	0.0
San Juan	2	4	6	0	0.0	2.0	0.0
Regional total	4	8	19	0	0.0	6.2	0.0
Unknown	1	2	44	2	0.0	14.4	9.5
Statewide total*	43	90	305	21	0.1	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.

Statewide band-tailed pigeon harvest statistics, Utah 1970–2011.

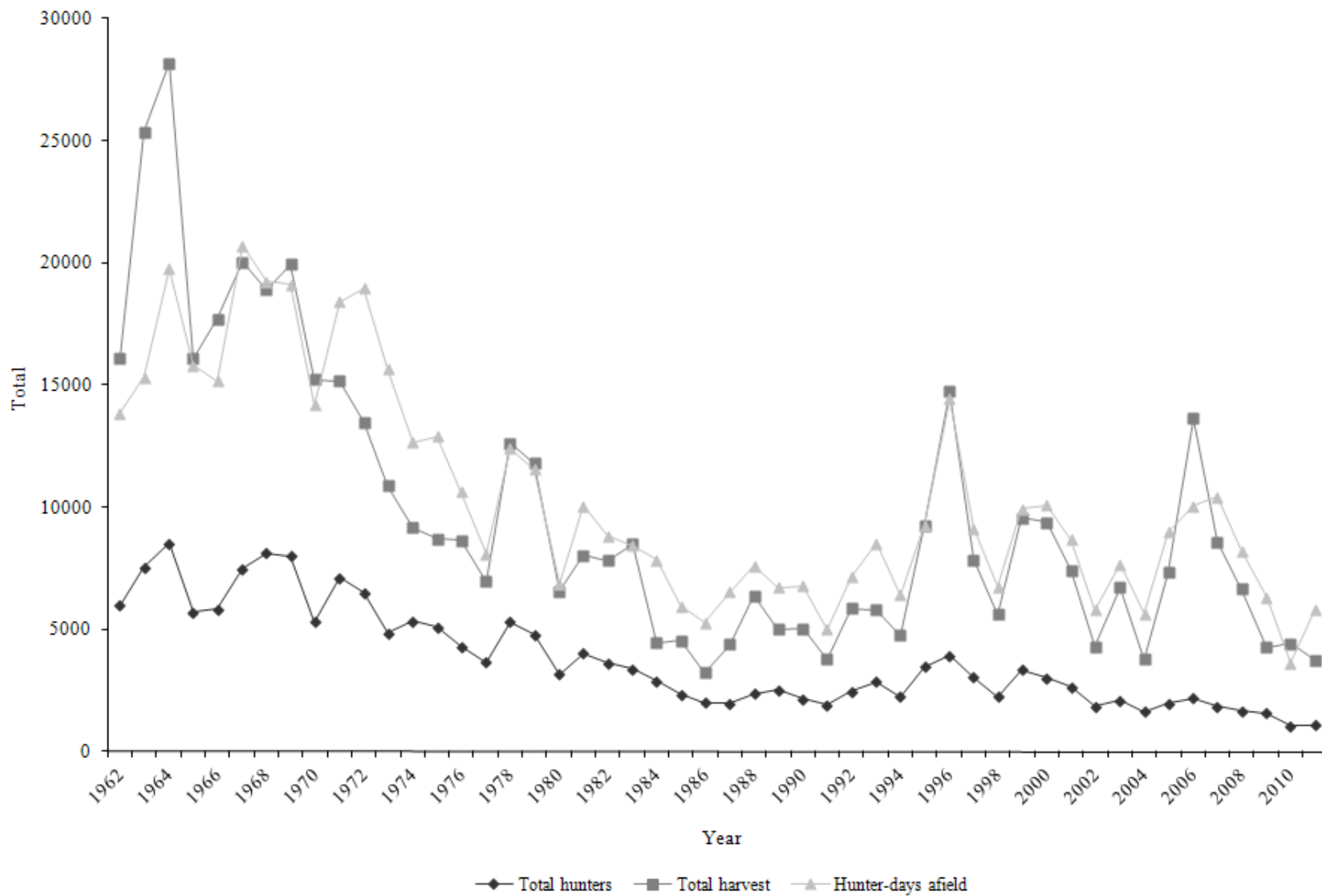
Year	Total hunters	Total harvest	Hunter-days afield	Pigeons / hunter-day	Pigeons / hunter
1970	34	109	53	2.1	3.2
1971	54	156	110	1.4	2.9
1972	61	211	122	1.7	3.5
1973	25	18	42	0.4	0.7
1974	74	95	141	0.7	1.3
1975	54	116	119	1.0	2.1
1976	54	119	162	0.7	2.2
1977	70	435	225	1.9	6.2
1978	78	264	238	1.1	3.4
1979	62	117	133	0.9	1.9
1980	62	182	175	1.0	2.9
1981	67	101	142	0.7	1.5
1982*	51	113	125	0.9	2.2
1988	11	101	109	0.9	9.2
1989	23	24	159	0.2	1.0
1990	9	7	28	0.3	0.8
1991	15	31	20	1.6	2.1
1992	18	73	70	1.0	4.1
1993	8	0	13	0.0	0.0
1994	13	51	27	1.9	3.9
1995	59	121	171	0.7	2.1
1996	37	92	125	0.7	2.5
1997	58	98	209	0.5	1.7
1998	68	67	120	0.6	1.0
1999	49	103	156	0.7	2.1
2000	53	158	159	1.0	3.0
2001	86	94	208	0.5	1.1
2002	58	67	188	0.4	1.2
2003	107	128	281	0.5	1.2
2004	60	38	120	0.3	0.6
2005	52	37	162	0.2	0.7
2006	71	54	161	0.3	0.8
2007	69	43	231	0.2	0.6
2008	63	19	183	0.1	0.3
2009	78	6	212	0.0	0.1
2010	51	24	151	0.2	0.5
2011	90	21	305	0.1	0.2
Average (1970–2010)	52	96	140	0.8	2.1
% change from previous year	76	-13	102	-57	-50
% change from average	74	-78	117	-91	-89

*No data from 1983 to 1987.

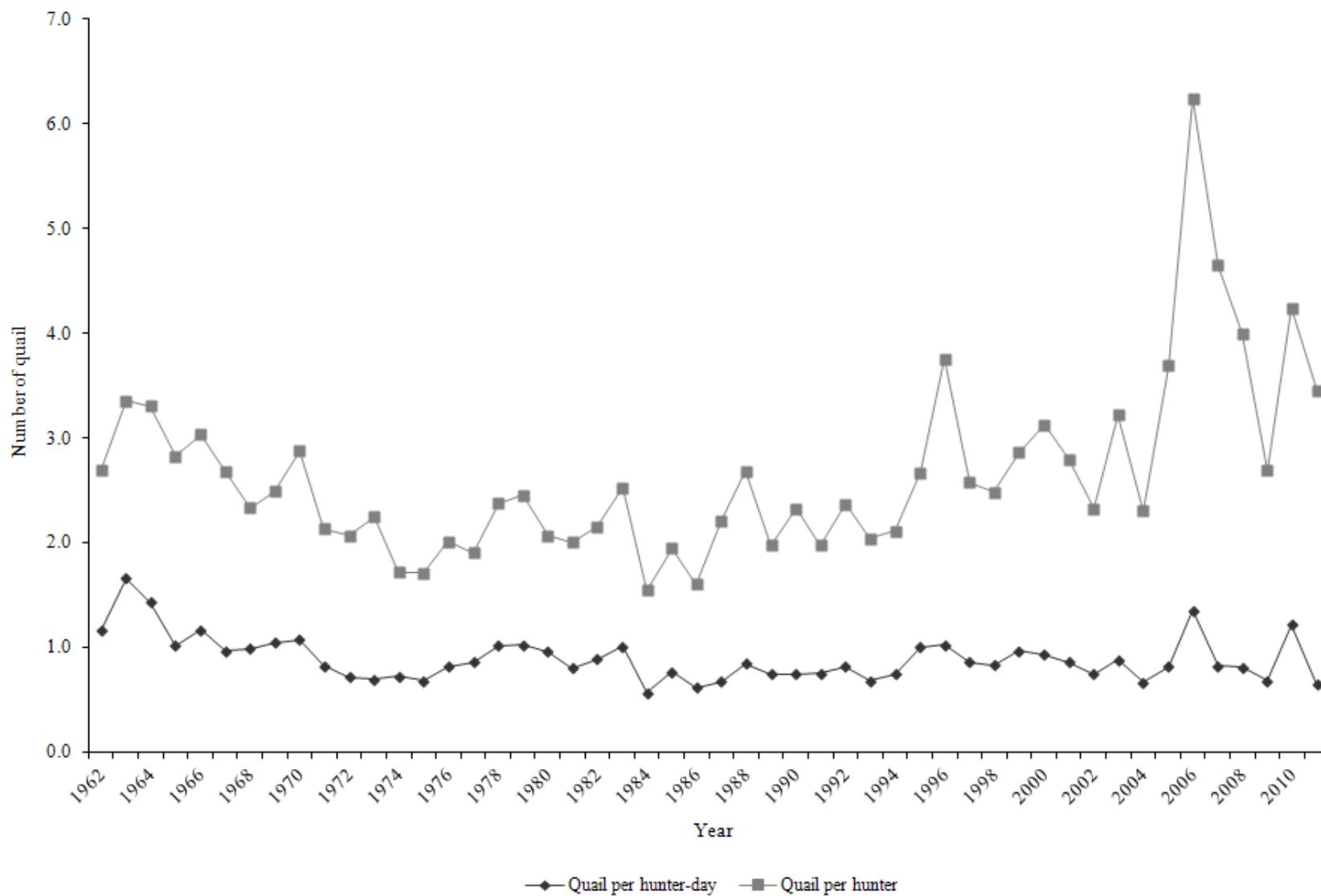
CALIFORNIA QUAIL



Statewide trends of California quail harvest statistics, Utah 1962–2011.



Statewide trends of California quail hunter success, Utah 1962–2011.



California quail harvest statistics by region and county, Utah 2011.

Region and county	n	Hunters afield	Hunter-days afield	Quail bagged	Quail / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	8	65	272	170	0.6	4.7	4.6
Cache	5	41	165	26	0.2	2.9	0.7
Davis	1	8	19	0	0.0	0.3	0.0
Morgan	1	8	19	51	2.7	0.3	1.4
Rich	0	—	—	—	—	—	—
Summit	0	—	—	—	—	—	—
Weber	11	89	301	222	0.7	5.2	5.9
Regional total	26	211	776	469	0.6	13.4	12.5
Central Region							
Juab	3	24	58	34	0.6	1.0	0.9
Salt Lake	4	33	389	375	1.0	6.7	10.0
Sanpete	1	8	19	0	0.0	0.3	0.0
Tooele	4	33	185	68	0.4	3.2	1.8
Utah	17	138	389	213	0.5	6.7	5.7
Wasatch	0	—	—	—	—	—	—
Regional total	29	236	1040	690	0.7	18.0	18.5
Southern Region							
Beaver	2	16	49	0	0.0	0.8	0.0
Garfield	0	—	—	—	—	—	—
Iron*	3	24	117	34	0.3	2.0	0.9
Kane	—	—	—	—	—	—	—
Millard	3	24	68	17	0.3	1.2	0.5
Piute	0	—	—	—	—	—	—
Sevier	6	49	107	77	0.7	1.8	2.1
Washington	—	—	—	—	—	—	—
Wayne	1	8	29	43	1.5	0.5	1.1
Regional total	15	121	370	171	0.5	6.4	4.6
Northeastern Region							
Daggett	3	24	49	26	0.5	0.8	0.7
Duchesne	28	228	1642	997	0.6	28.4	26.7
Uintah	25	203	942	741	0.8	16.3	19.8
Regional total	56	455	2633	1764	0.7	45.5	47.2
Southeastern Region							
Carbon	1	8	58	0	0.0	1.0	0.0
Emery	10	81	729	554	0.8	12.6	14.8
Grand	0	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—
Regional total	11	89	787	554	0.7	13.6	14.8
Unknown	6	49	185	94	0.5	3.2	2.5
Statewide total*	133	1082	5790	3741	0.6	100.0	100.0

*Both California quail and Gambel's quail are found in Iron County. Quail harvest is assumed to be California quail.

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

Statewide California quail harvest statistics, Utah 1962–2011.

Year	Total hunters*	Total harvest	Hunter-days afield	Quail / hunter-day	Quail / hunter
1962	5980	16074	13856	1.2	2.7
1963	7557	25366	15326	1.7	3.4
1964	8526	28186	19745	1.4	3.3
1965	5700	16084	15814	1.0	2.8
1966	5834	17700	15180	1.2	3.0
1967	7470	20030	20709	1.0	2.7
1968	8118	18918	19248	1.0	2.3
1969	8005	19931	19105	1.0	2.5
1970	5299	15240	14193	1.1	2.9
1971	7120	15160	18410	0.8	2.1
1972	6520	13494	18972	0.7	2.1
1973	4854	10889	15651	0.7	2.2
1974	5356	9175	12669	0.7	1.7
1975	5098	8719	12892	0.7	1.7
1976	4305	8652	10653	0.8	2.0
1977	3662	6964	8093	0.9	1.9
1978	5324	12629	12428	1.0	2.4
1979	4802	11789	11571	1.0	2.5
1980	3172	6566	6871	1.0	2.1
1981	4012	8045	10062	0.8	2.0
1982	3632	7817	8844	0.9	2.2
1983	3370	8507	8440	1.0	2.5
1984	2883	4446	7857	0.6	1.5
1985	2336	4544	5958	0.8	1.9
1986	2020	3235	5276	0.6	1.6
1987	1985	4388	6521	0.7	2.2
1988	2387	6395	7614	0.8	2.7
1989	2530	4999	6720	0.7	2.0
1990	2161	5021	6771	0.7	2.3
1991	1913	3775	5010	0.8	2.0
1992	2470	5847	7162	0.8	2.4
1993	2851	5815	8532	0.7	2.0
1994	2250	4746	6399	0.7	2.1
1995	3474	9272	9252	1.0	2.7
1996	3925	14726	14446	1.0	3.8
1997	3055	7857	9146	0.9	2.6
1998	2257	5606	6747	0.8	2.5
1999	3346	9575	9937	1.0	2.9
2000	3005	9382	10072	0.9	3.1
2001	2659	7433	8683	0.9	2.8

Statewide California quail harvest statistics, Utah 1962–2011 (cont.).

Year	Total hunters*	Total harvest	Hunter-days afield	Quail / hunter-day	Quail / hunter
2002	1855	4311	5807	0.7	2.3
2003	2089	6717	7672	0.9	3.2
2004	1636	3768	5648	0.7	2.3
2005	1989	7344	8996	0.8	3.7
2006	2181	13626	10070	1.4	6.2
2007	1848	8595	10434	0.8	4.7
2008	1664	6655	8213	0.8	4.0
2009	1588	4275	6314	0.7	2.7
2010	1043	4427	3634	1.2	4.2
2011	1082	3741	5790	0.6	3.5
Average (1951–2010)	3819	9851	10564	0.9	2.6
% change from previous year	4	-15	59	-47	-19
% change from average	-72	-62	-45	-28	31

* Prior to 2011, total annual hunters of California quail were approximated by subtracting the number of Gambel's quail hunters (e.g., hunters who hunted quail in Washington and/or Kane counties) from historical statewide total quail-hunters afield of both species. It is possible that some hunters who hunted Gambel's quail also hunted California quail in other counties, in which case total California quail hunters in this table would be an underestimate (prior to 2011).

CHUKAR PARTRIDGE



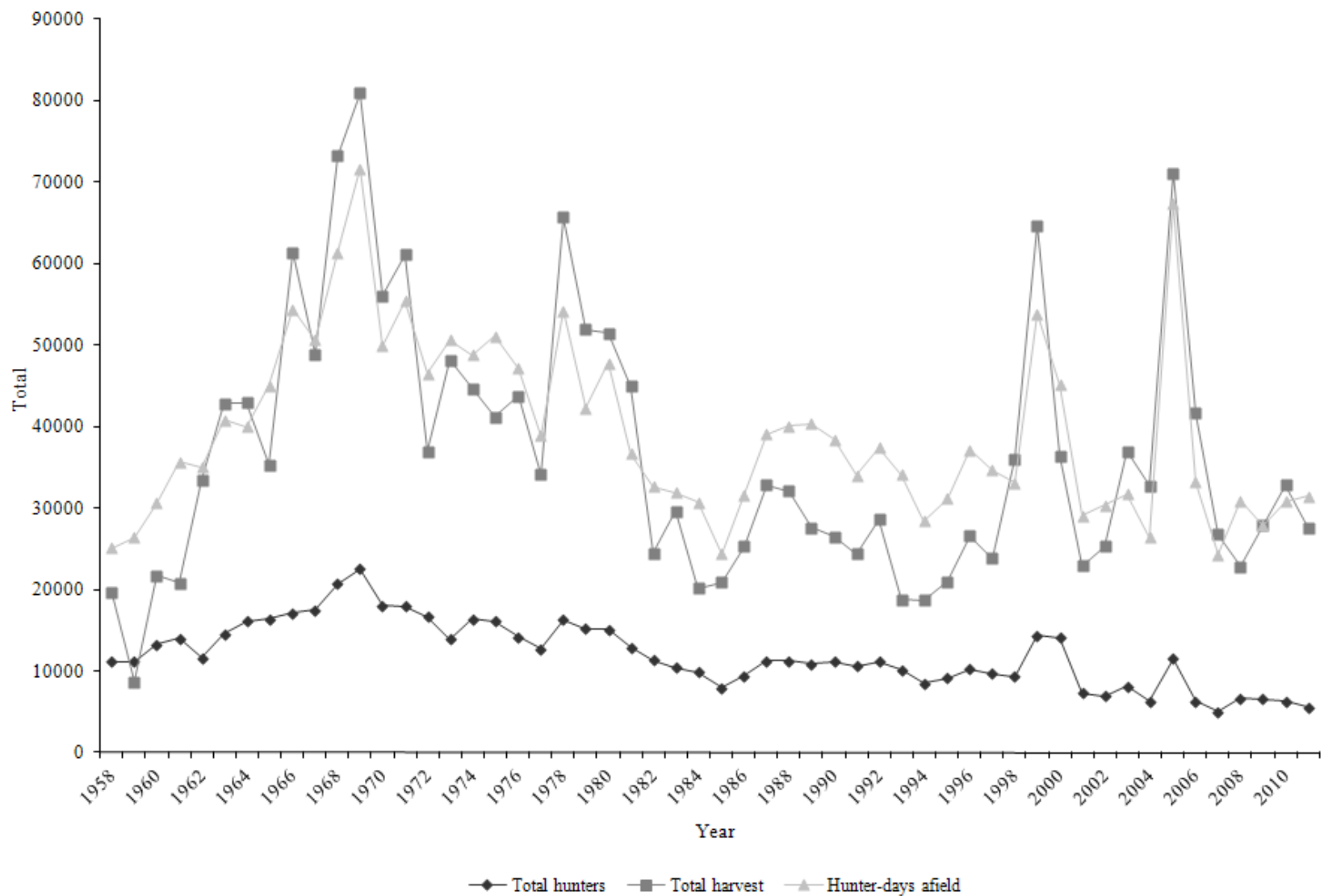
Chukar partridge aerial survey trends, Northeast Cedar Mountains, Tooele County, Utah 1996–2011.

Year	Coveys flushed	Total chukars observed	Square miles surveyed	Chukars / square mile
1996	12	103	6.5	15.9
1997	18	295	8.0	36.9
1998	52	939	8.0	117.4
1999	65	623	8.0	77.9
2000	23	96	8.0	12.0
2001	9	68	8.0	8.5
2002	5	36	8.0	4.5
2003	27	238	8.0	29.8
2004	15	167	8.0	20.9
2005	36	566	8.0	70.8
2006	50	779	8.0	97.4
2007	24	144	8.0	18.0
2008	22	94	5.0	18.8
2009	19	107	5.0	21.4
2010	6	22	5.0	4.4
2011	11	88	5.0	17.6
Average (1996–2010)	26	285	7.3	37.0
% change from previous year	83	300	0	300
% change from average	-57	-69	-32	-52

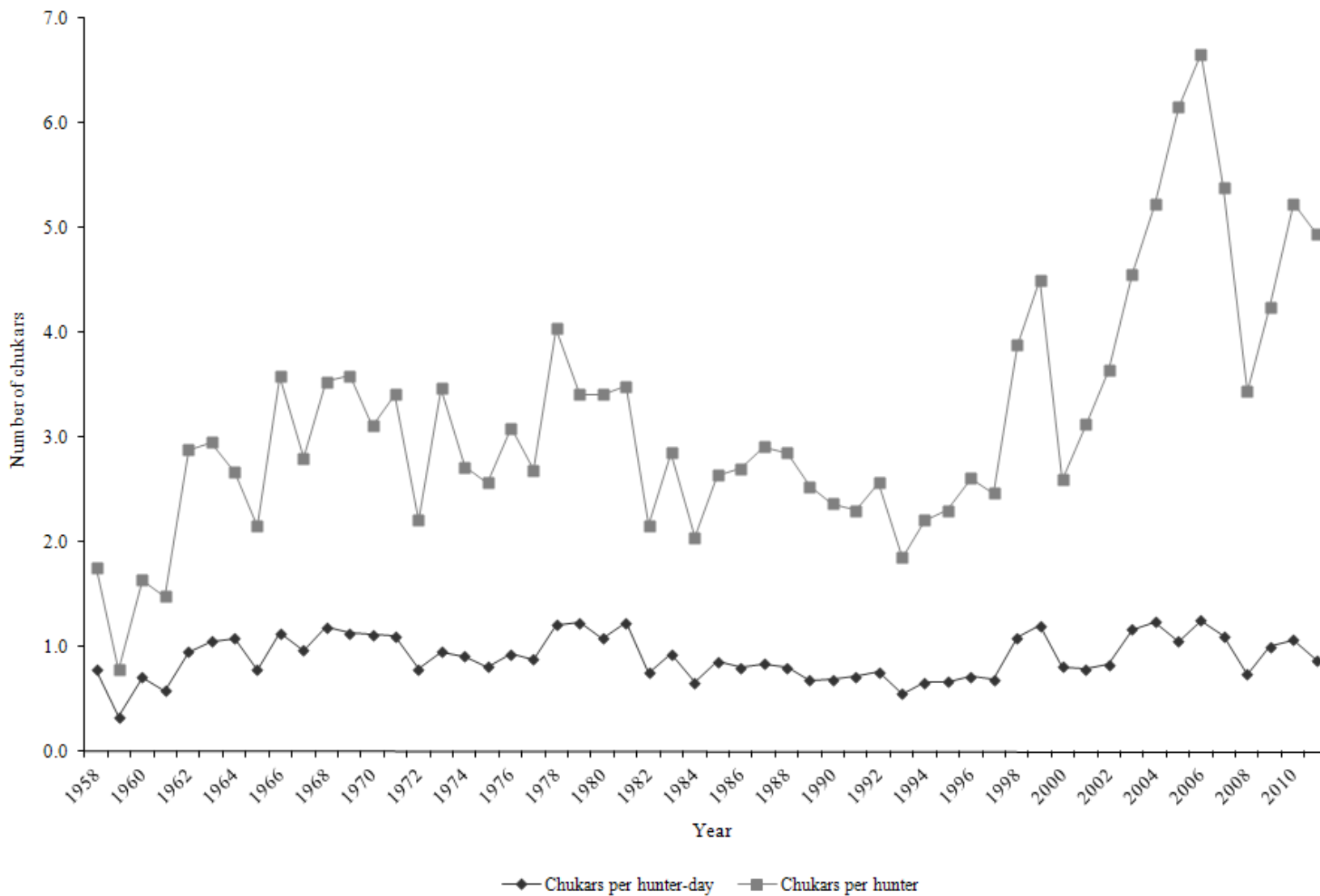
Chukar partridge aerial survey trends, Box Elder County, Utah 2009–2011.

Year	Coveys flushed	Total chukars observed	Square miles surveyed	Chukars / square mile
2009	5	41	8.5	4.8
2010	14	125	8.5	14.7
2011	19	233	8.5	27.4
Average (2009–2010)	10	83	8.5	9.8
% change from previous year	36	86	0	86
% change from average	100	181	0	181

Statewide trends of chukar partridge harvest statistics, Utah 1958–59 to 2011–12.



Statewide trends of chukar partridge hunter success, Utah 1958–59 to 2011–12.



Chukar partridge harvest statistics by region and county, Utah 2011–12.

Region and county	n	Hunters afield	Hunter-days afield	Chukars bagged	Chukars / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	134	1118	5457	6146	1.1	17.4	22.3
Cache	32	267	1421	1177	0.8	4.5	4.3
Davis	4	33	108	121	1.1	0.3	0.4
Morgan	12	100	196	141	0.7	0.6	0.5
Rich	6	50	167	121	0.7	0.5	0.4
Summit	5	42	176	201	1.1	0.6	0.7
Weber	10	83	265	151	0.6	0.8	0.5
Regional total	203	1693	7790	8058	1.0	24.8	29.2
Central Region							
Juab	59	492	1960	1831	0.9	6.2	6.6
Salt Lake	14	117	617	946	1.5	2.0	3.4
Sanpete	22	184	1215	523	0.4	3.9	1.9
Tooele	120	1001	4380	3823	0.9	13.9	13.9
Utah	150	1251	6613	5965	0.9	21.0	21.7
Wasatch	5	42	480	91	0.2	1.5	0.3
Regional total	370	3087	15265	13179	0.9	48.6	47.8
Southern Region							
Beaver	15	125	412	121	0.3	1.3	0.4
Garfield	4	33	98	131	1.3	0.3	0.5
Iron	12	100	402	111	0.3	1.3	0.4
Kane	3	25	59	80	1.4	0.2	0.3
Millard	35	292	1225	1428	1.2	3.9	5.2
Piute	8	67	323	251	0.8	1.0	0.9
Sevier	36	300	2077	1579	0.8	6.6	5.7
Washington	18	150	402	151	0.4	1.3	0.5
Wayne	2	17	49	282	5.8	0.2	1.0
Regional total	133	1109	5047	4134	0.8	16.1	15.0
Northeastern Region							
Daggett	3	25	29	10	0.3	0.1	0.0
Duchesne	16	133	363	121	0.3	1.2	0.4
Uintah	11	92	402	80	0.2	1.3	0.3
Regional total	30	250	794	211	0.3	2.5	0.8
Southeastern Region							
Carbon	16	133	470	684	1.5	1.5	2.5
Emery	21	175	1078	624	0.6	3.4	2.3
Grand	16	133	490	231	0.5	1.6	0.8
San Juan	5	42	127	111	0.9	0.4	0.4
Regional total	58	483	2165	1650	0.8	6.9	6.0
Unknown	14	117	372	322	0.9	1.2	1.2
Statewide total*	668	5572	31431	27553	0.9	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 1958–59 to 2011–12.

Year	Total hunters	Total harvest	Hunter-days afield	Chukars / hunter-day	Chukars / hunter
1958–59	11124	19578	25100	0.8	1.8
1959–60	11154	8700	26364	0.3	0.8
1960–61	13252	21733	30610	0.7	1.6
1961–62	14046	20821	35675	0.6	1.5
1962–63	11638	33500	35010	1.0	2.9
1963–64	14532	42806	40824	1.1	3.0
1964–65	16090	42974	39971	1.1	2.7
1965–66	16431	35335	45067	0.8	2.2
1966–67	17133	61370	54448	1.1	3.6
1967–68	17485	48906	50671	1.0	2.8
1968–69	20744	73218	61402	1.2	3.5
1969–70	22529	80917	71674	1.1	3.6
1970–71	18013	56053	49911	1.1	3.1
1971–72	17917	61151	55378	1.1	3.4
1972–73	16685	36925	46502	0.8	2.2
1973–74	13888	48135	50677	1.0	3.5
1974–75	16412	44658	48856	0.9	2.7
1975–76	16156	41151	51083	0.8	2.6
1976–77	14171	43726	47143	0.9	3.1
1977–78	12691	34155	38873	0.9	2.7
1978–79	16291	65747	54239	1.2	4.0
1979–80	15210	51918	42254	1.2	3.4
1980–81	15100	51511	47778	1.1	3.4
1981–82	12907	44983	36662	1.2	3.5
1982–83	11326	24460	32691	0.8	2.2
1983–84	10418	29649	31904	0.9	2.9
1984–85	9846	20179	30715	0.7	2.1
1985–86	7930	20938	24346	0.9	2.6
1986–87	9397	25346	31672	0.8	2.7
1987–88	11276	32848	39099	0.8	2.9
1988–89	11237	32057	40088	0.8	2.9
1989–90	10910	27628	40384	0.7	2.5
1990–91	11195	26486	38463	0.7	2.4
1991–92	10577	24355	34010	0.7	2.3
1992–93	11125	28599	37463	0.8	2.6
1993–94	10128	18774	34147	0.6	1.9
1994–95	8455	18721	28389	0.7	2.2
1995–96	9097	20954	31140	0.7	2.3

Statewide chukar partridge harvest statistics, Utah 1958–59 to 2011–12 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Chukars / hunter-day	Chukars / hunter
1996–97	10197	26594	37116	0.7	2.6
1997–98	9665	23840	34711	0.7	2.5
1998–99	9283	36013	33082	1.1	3.9
1999–00	14388	64727	53842	1.2	4.5
2000–01	14056	36458	45096	0.8	2.6
2001–02	7338	22941	29032	0.8	3.1
2002–03	6944	25294	30351	0.8	3.6
2003–04	8118	37007	31696	1.2	4.6
2004–05	6265	32718	26421	1.2	5.2
2005–06	11565	71134	67373	1.1	6.2
2006–07	6245	41618	33175	1.3	6.7
2007–08	4971	26758	24291	1.1	5.4
2008–09	6627	22777	30867	0.7	3.4
2009–10	6562	27860	27858	1.0	4.2
2010–11	6272	32799	30766	1.1	5.2
2011–12	5572	27553	31431	0.9	4.9
Average (1958–2011)	12132	36783	39554	0.9	3.1
% change from previous year	-11	-16	2	-18	-5
% change from average	-54	-25	-21	-3	58

COTTONTAIL RABBIT
(Desert & Mountain)



CLARK BRANSON

Statewide trends of cottontail rabbit summer roadside counts, Utah 1967–2011.

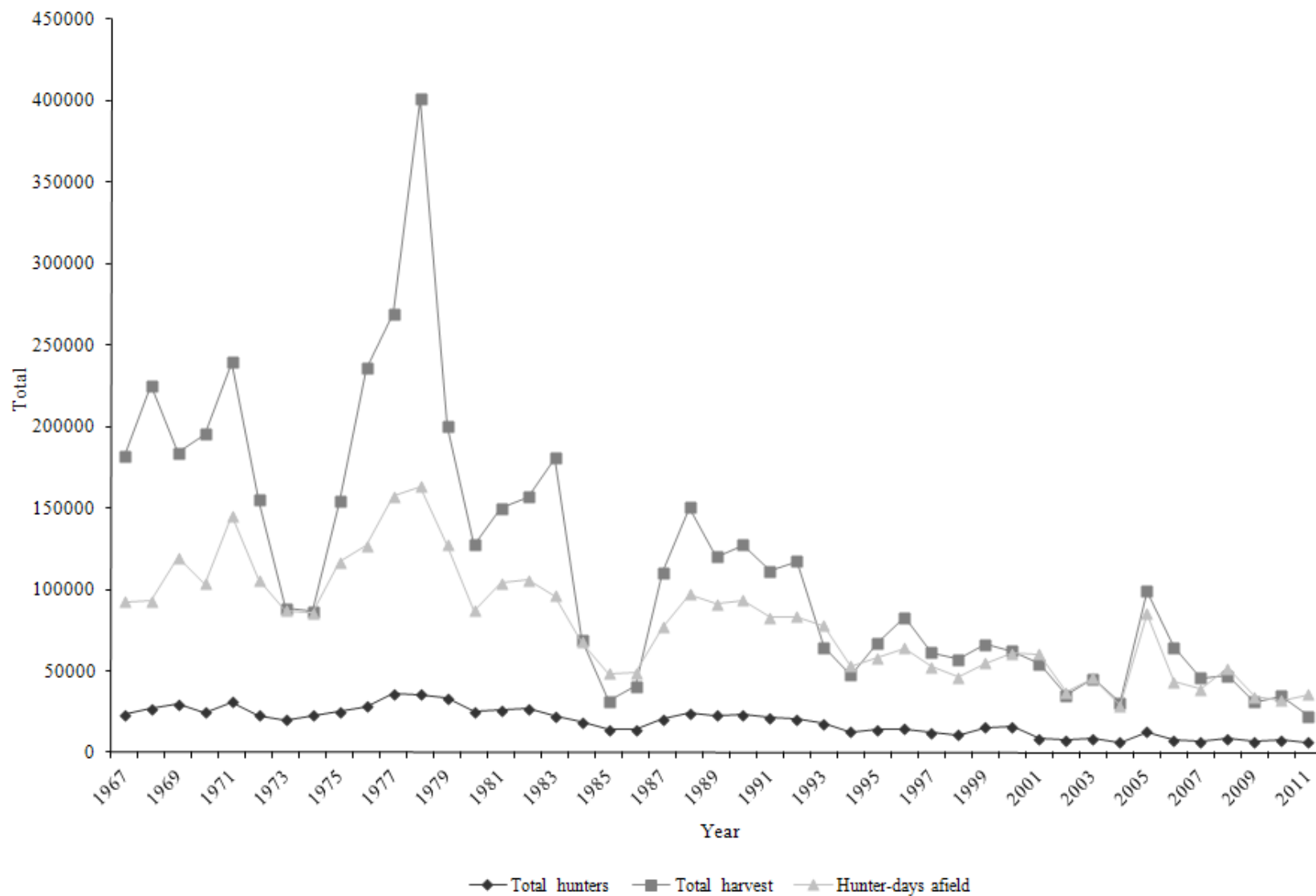
Year	Miles driven	Total rabbits observed	Young / 100 adults	Rabbits / mile
1967	—	—	106	0.35
1968	—	—	96	0.41
1969	—	—	110	0.32
1970	—	—	102	0.50
1971	2702	1184	123	0.44
1972	2643	1140	99	0.43
1973	1968	361	86	0.18
1974	2402	700	105	0.29
1975	2850	635	132	0.22
1976	3068	1163	132	0.38
1977	2907	914	89	0.31
1978	2745	1303	112	0.47
1979	2486	1094	121	0.44
1980	1909	591	107	0.31
1981	2423	1234	116	0.51
1982	2102	1111	78	0.53
1983	1932	787	72	0.41
1984	1069	170	100	0.16
1985	1656	211	73	0.13
1986	1610	284	75	0.18
1987	1552	521	96	0.34
1988	1472	825	67	0.56
1989	872	408	64	0.47
1990	879	344	73	0.39
1991	558	94	64	0.17
1992	857	207	71	0.24
1993	750	84	35	0.11
1994	148	54	18	0.36
1995	444	87	114	0.20
1996	498	283	163	0.57
1997	521	127	98	0.24
1998	1401	351	88	0.25
1999	1639	442	79	0.27
2000*	1029	550	115	0.53
2010	1279	109	49	0.09
2011	997	119	53	0.12
Average (1967–2010)	1113	352	80	0.31
% change from previous year	-22	9	8	33
% change from average	-10	-66	-33	-61

*Cottontail rabbit roadside counts were discontinued from 2001–2009.

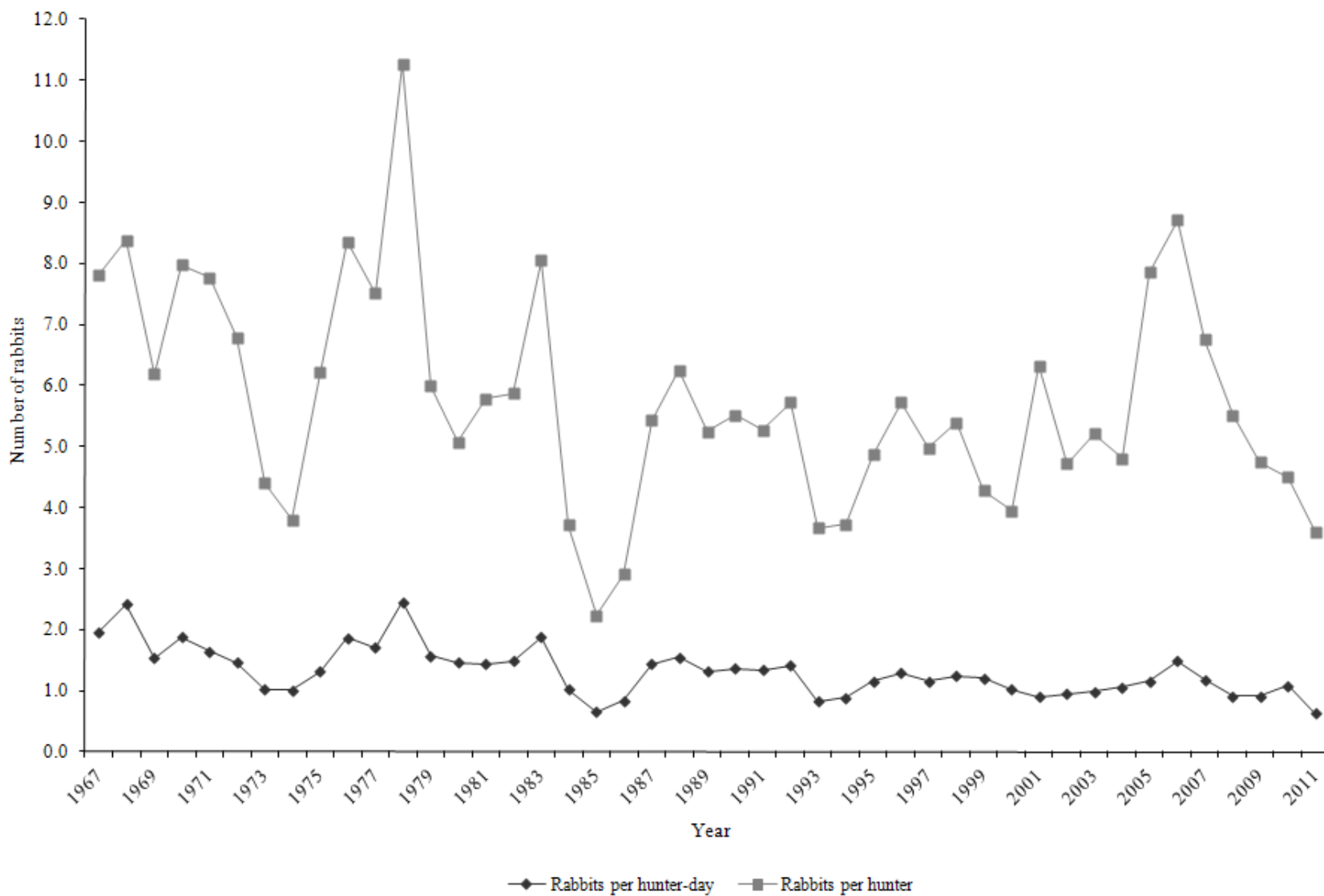
Cottontail rabbit summer roadside count summary, Utah 2011.

Region and county	Miles driven	Rabbits observed				Young / 100 adults	Rabbits / mile
		Adults	Young	Unclassified	Total		
Northern Region							
Box Elder	—	—	—	—	—	—	—
Cache	—	—	—	—	—	—	—
Davis	—	—	—	—	—	—	—
Morgan	—	—	—	—	—	—	—
Rich	90	1	0	0	1	0.0	0.01
Summit	—	—	—	—	—	—	—
Weber	—	—	—	—	—	—	—
Regional total	90	1	0	0	1	0.0	0.01
Central Region							
Juab	—	—	—	—	—	—	—
Salt Lake	—	—	—	—	—	—	—
Sanpete	90	2	0	0	2	0.0	0.02
Tooele	90	1	0	0	1	0.0	0.01
Utah	—	—	—	—	—	—	—
Wasatch	—	—	—	—	—	—	—
Regional total	180	3	0	0	3	0.0	0.02
Southern Region							
Beaver	90	6	0	0	6	0.0	0.07
Garfield	60	2	0	0	2	0.0	0.03
Iron	90	26	5	11	42	19.2	0.47
Kane	—	—	—	—	—	—	—
Millard	—	—	—	—	—	—	—
Piute	—	—	—	—	—	—	—
Sevier	30	0	1	0	1	—	0.03
Washington	—	—	—	—	—	—	—
Wayne	30	3	5	0	8	166.7	0.27
Regional total	300	37	11	11	59	29.7	0.20
Northeastern Region							
Daggett	97	3	6	0	9	200.0	0.09
Duchesne	90	6	8	0	14	133.3	0.16
Uintah	—	—	—	—	—	—	—
Regional total	187	9	14	0	23	155.6	0.12
Southeastern Region							
Carbon	90	1	1	0	2	100.0	0.02
Emery	60	12	8	7	27	66.7	0.45
Grand	—	—	—	—	—	—	—
San Juan	90	3	1	0	4	33.3	0.04
Regional total	240	16	10	7	33	62.5	0.14
Statewide total	997	66	35	18	119	53.0	0.12

Statewide trends of cottontail rabbit harvest statistics, Utah 1967–68 to 2011–12.



Statewide trends of cottontail rabbit hunter success, Utah 1967–68 to 2011–12.



Cottontail rabbit harvest statistics by region and county, Utah 2011–12.

Region and county	n	Hunters afield	Hunter-days afield	Rabbits bagged	Rabbits / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	97	859	2683	1487	0.6	7.6	6.7
Cache	18	159	720	346	0.5	2.0	1.6
Davis	6	53	261	153	0.6	0.7	0.7
Morgan	9	80	334	367	1.1	0.9	1.6
Rich	22	195	908	652	0.7	2.6	2.9
Summit	14	124	386	153	0.4	1.1	0.7
Weber	12	106	303	132	0.4	0.9	0.6
Regional total	178	1576	5595	3290	0.6	15.8	14.8
Central Region							
Juab	29	257	1013	978	1.0	2.9	4.4
Salt Lake	4	35	125	20	0.2	0.4	0.1
Sanpete	26	230	1483	468	0.3	4.2	2.1
Tooele	86	761	3143	1701	0.5	8.8	7.6
Utah	63	558	2088	1242	0.6	5.9	5.6
Wasatch	11	97	303	132	0.4	0.9	0.6
Regional total	219	1938	8155	4541	0.6	23.0	20.4
Southern Region							
Beaver	8	71	188	193	1.0	0.5	0.9
Garfield	9	80	501	550	1.1	1.4	2.5
Iron	26	230	1316	693	0.5	3.7	3.1
Kane	5	44	700	764	1.1	2.0	3.4
Millard	19	168	814	825	1.0	2.3	3.7
Piute	2	18	73	31	0.4	0.2	0.1
Sevier	21	186	1138	530	0.5	3.2	2.4
Washington	44	390	1577	1446	0.9	4.4	6.5
Wayne	6	53	177	132	0.7	0.5	0.6
Regional total	140	1240	6484	5164	0.8	18.3	23.2
Northeastern Region							
Daggett	17	151	532	754	1.4	1.5	3.4
Duchesne	56	496	2944	1436	0.5	8.3	6.4
Uintah	59	522	2506	1894	0.8	7.1	8.5
Regional total	132	1169	5982	4084	0.7	16.8	18.3
Southeastern Region							
Carbon	32	283	2005	1721	0.9	5.6	7.7
Emery	38	336	2631	1894	0.7	7.4	8.5
Grand	13	115	1587	336	0.2	4.5	1.5
San Juan	24	212	2099	733	0.3	5.9	3.3
Regional total	107	946	8322	4684	0.6	23.4	21.0
Unknown	27	239	981	530	0.5	2.8	2.4
Statewide total*	699	6189	35520	22293	0.6	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 1967–68 to 2011–12.

Year	Total hunters	Total harvest	Hunter-days afield	Rabbits / hunter-day	Rabbits / hunter
1967–68	23249	181812	92681	2.0	7.8
1968–69	26889	225450	93126	2.4	8.4
1969–70	29760	184034	119596	1.5	6.2
1970–71	24486	195248	103725	1.9	8.0
1971–72	30824	239511	145287	1.6	7.8
1972–73	22835	155102	105941	1.5	6.8
1973–74	20109	88603	87036	1.0	4.4
1974–75	22737	86506	85499	1.0	3.8
1975–76	24803	154182	116707	1.3	6.2
1976–77	28239	235952	126737	1.9	8.4
1977–78	35831	269263	157257	1.7	7.5
1978–79	35590	401071	163019	2.5	11.3
1979–80	33385	200223	127497	1.6	6.0
1980–81	25156	127652	87051	1.5	5.1
1981–82	25906	149765	104183	1.4	5.8
1982–83	26714	156696	105644	1.5	5.9
1983–84	22467	180767	96151	1.9	8.0
1984–85	18616	69186	67643	1.0	3.7
1985–86	14059	31397	48371	0.6	2.2
1986–87	13992	40636	48694	0.8	2.9
1987–88	20322	110411	77047	1.4	5.4
1988–89	24076	150386	97190	1.5	6.2
1989–90	22878	120075	91264	1.3	5.2
1990–91	23070	127389	93515	1.4	5.5
1991–92	21137	111407	82772	1.3	5.3
1992–93	20509	117454	83154	1.4	5.7
1993–94	17578	64400	77968	0.8	3.7
1994–95	12709	47322	53175	0.9	3.7
1995–96	13840	67295	58042	1.2	4.9
1996–97	14470	82803	63943	1.3	5.7
1997–98	12263	61109	52587	1.2	5.0
1998–99	10585	57137	45947	1.2	5.4
1999–00	15475	66142	54894	1.2	4.3
2000–01	15797	62330	60895	1.0	3.9
2001–02	8620	54506	60401	0.9	6.3
2002–03	7483	35320	36994	1.0	4.7
2003–04	8685	45210	45693	1.0	5.2
2004–05	6358	30586	28828	1.1	4.8
2005–06	12575	98827	85059	1.2	7.9

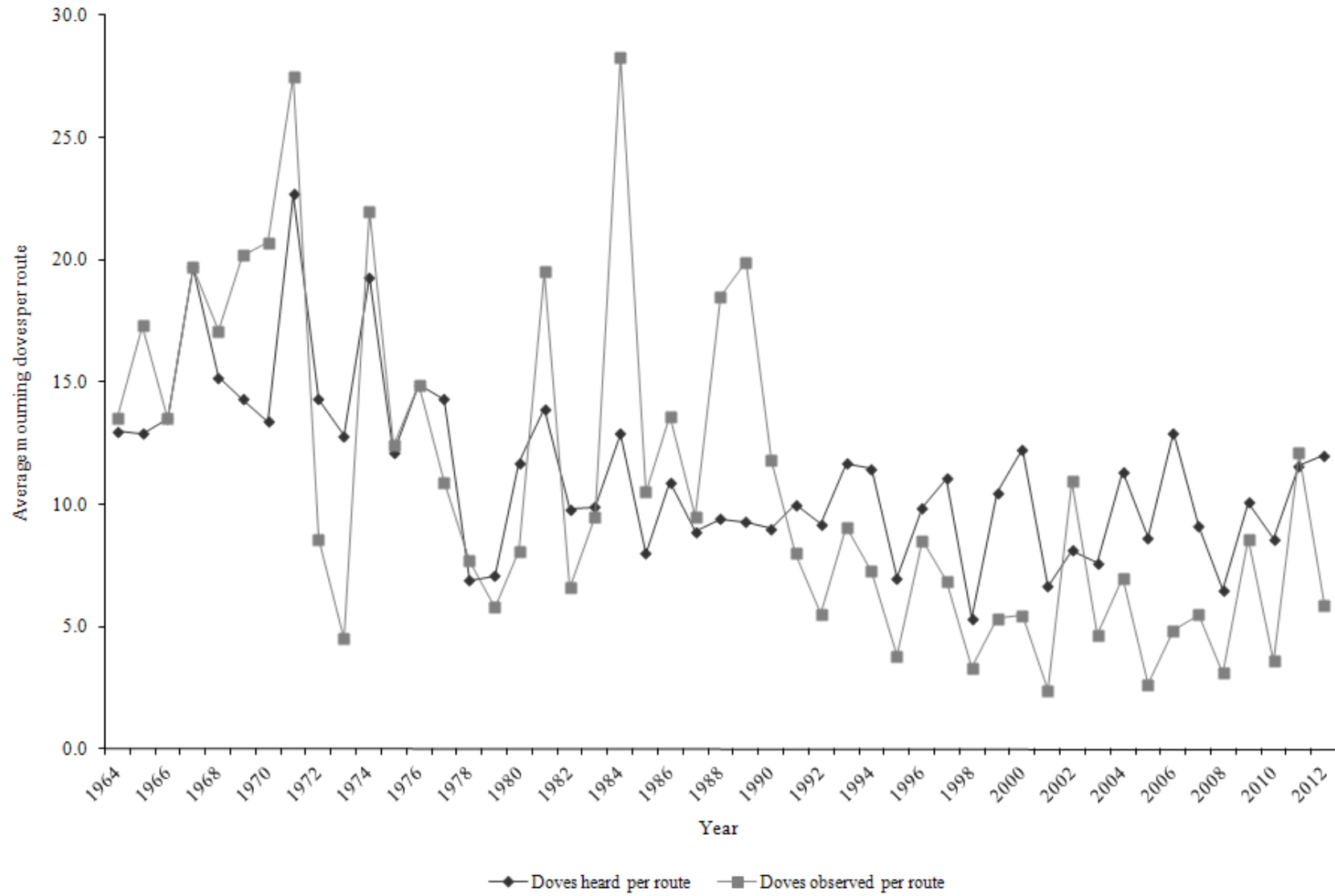
Statewide cottontail rabbit harvest statistics, Utah 1967–68 to 2011–12 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Rabbits / hunter-day	Rabbits / hunter
2006–07	7401	64476	43334	1.5	8.7
2007–08	6794	45902	38886	1.2	6.8
2008–09	8543	47077	51673	0.9	5.5
2009–10	6517	30946	34026	0.9	4.7
2010–11	7684	34532	31869	1.1	4.5
2011–12	6189	22293	35520	0.6	3.6
Average (1967–2011)	18887	116048	80250	1.3	5.8
% change from previous year	-19	-35	11	-42	-20
% change from average	-67	-81	-56	-53	-38

DOVE
(Mourning and White-winged)



Mourning dove breeding density index trend, Utah 1964–2012.



Summary of mourning dove call-count surveys by region and county, Utah 2011.

Region and county	Route number	Doves heard / route	Doves observed / route
Northern Region			
Box Elder	R1500	16	21
Summit	R1020	0	2
Regional total		16	23
Central Region			
Juab	R2830	31	15
Regional total		31	15
Southern Region			
Beaver	R3820	22	1
Garfield	R1090	1	0
Iron	R4001	41	12
Millard	R3640	28	11
Sevier-Sanpete	R0370	3	92
Washington	R4311	10	3
Wayne-Sevier	R0660	0	0
Regional total		105	119
Northeastern Region			
Duchesne	R0080	1	1
Uintah	R0220	4	13
Regional total		5	14
Southeastern Region			
Emery	R0540	0	5
San Juan	R1171	9	6
San Juan	R1452	8	0
Regional total		17	11
Statewide total		174	182
Statewide average		11.6	12.1
Previous year average		8.6	3.6
% change from previous year		35	237

Summary of mourning dove call-count surveys by region and county, Utah 2012.

Region and county	Route number	Doves heard / route	Doves observed / route
Northern Region			
Box Elder	R1500	8	16
Summit	R1020	6	4
Regional total		14	20
Central Region			
Juab	R2830	37	7
Regional total		37	7
Southern Region			
Beaver	R3820	7	2
Garfield	R1090	0	3
Iron	R4001	45	2
Millard	R3640	8	3
Sevier-Sanpete	R0370	8	0
Washington	R4311	15	4
Wayne-Sevier	R0660	6	0
Regional total		89	14
Northeastern Region			
Duchesne	R0080	1	0
Uintah	R0220	4	4
Regional total		5	4
Southeastern Region			
Emery	R0540	0	0
San Juan	R1171	23	44
San Juan	R1452	12	0
Regional total		35	44
Statewide total		180	89
Statewide average		12.0	5.9
Previous year average		11.6	12.1
% change from previous year		3	-51

Statewide trends of mourning dove call-count surveys, Utah 1964–2012.

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

Statewide trends of mourning dove call-count surveys, Utah 1964–2012 (cont.).

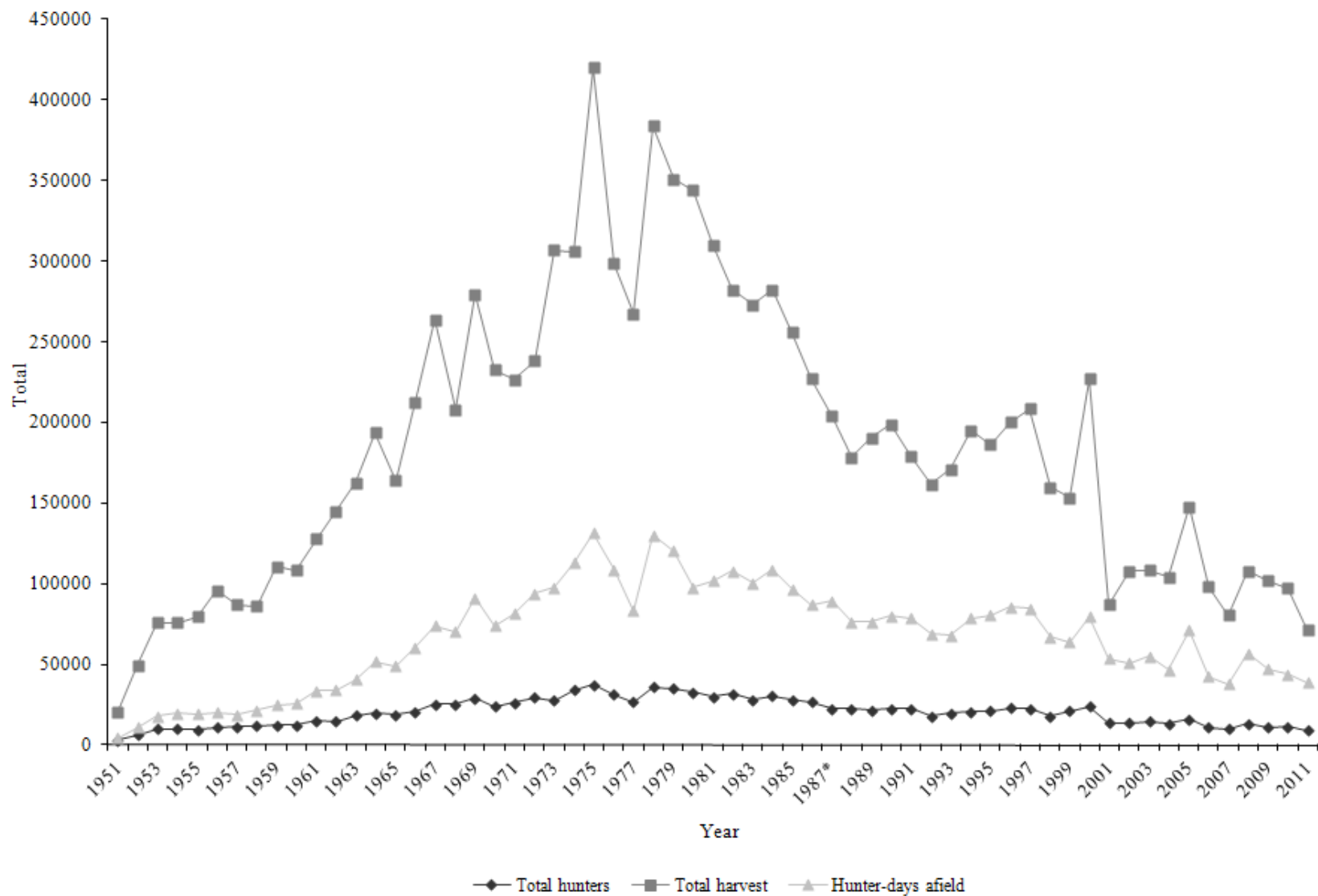
Year	Doves heard / route	Calls heard / route	Doves observed / route
2003	7.6	—	4.7
2004	11.3	—	7.0
2005	8.6	—	2.6
2006	12.9	—	4.9
2007	9.1	—	5.5
2008	6.5	—	3.1
2009	10.1	—	8.6
2010	8.6	—	3.6
2011	11.6	—	12.1
2012	12.0	—	5.9
Average (1964–2011)	11.2	54.4	10.8
% change from previous year	3	—	-51
% change from average	7	—	-46

Mourning dove breeding population trend based on random call-count surveys, Utah 2003–2012.

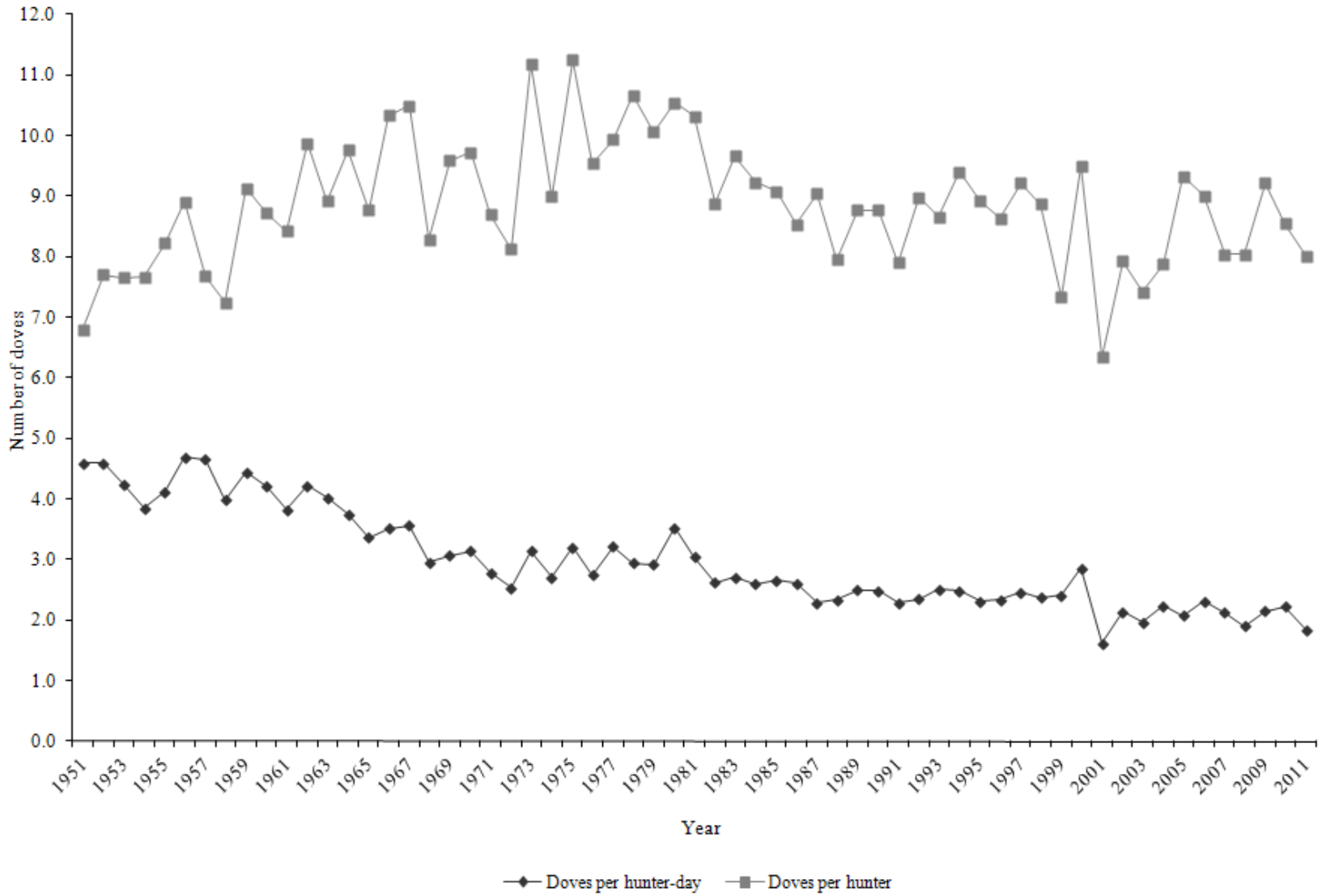
Region and county	Route number	Number of mourning doves heard / route									
		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Northern Region											
Box Elder	R1500	5	14	13	11	18	19	18	12	16	8
Summit	R1020	6	7	2	3	0	2	0	2	0	6
Regional total		11	21	15	14	18	21	18	14	16	14
Central Region											
Juab	R2830	9	37	34	38	34	5	33	—	31	37
Regional total		9	37	34	38	34	5	33	—	31	37
Southern Region											
Beaver	R3820	1	7	2	8	10	0	15	15	22	7
Garfield	R1090	2	5	3	18	7	0	0	0	1	0
Iron	R4001	17	27	23	41	20	12	31	19	41	45
Millard	R3640	4	1	—	6	4	3	7	14	28	8
Sevier-Sanpete	R0370	6	6	4	4	5	5	6	0	3	8
Washington	R4311	7	7	11	5	10	19	17	14	10	15
Wayne-Sevier	R0660	11	3	0	3	1	1	0	2	0	6
Regional total		48	56	43	85	57	40	76	64	105	89
Northeastern Region											
Duchesne	R0080	12	12	3	11	3	2	3	2	1	1
Uintah	R0220	8	6	15	14	9	3	4	10	4	4
Regional total		20	18	18	25	12	5	7	12	5	5
Southeastern Region											
Emery	R0540	5	10	3	2	6	2	1	1	0	0
San Juan	R1171	17	15	1	20	2	7	10	19	9	23
San Juan	R1451/R1452	4	13	7	10	7	17	6	10	8	12
Regional total		26	38	11	32	15	26	17	30	17	35
Statewide total		114	170	121	194	136	97	151	120	174	180
Statewide average		7.6	11.3	8.6	12.9	9.1	6.5	10.1	8.6	11.6	12.0
% change from previous year		-7	49	-24	50	-30	-29	55	-15	35	3

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

Statewide trends of dove harvest statistics, Utah 1951–2011.



Statewide trends of dove hunter success, Utah 1951–2011.



Dove (mourning and white-winged) harvest statistics by region and county, Utah 2011.

Region and county	n	Hunters afield	Hunter-days afield	Doves bagged	Doves / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	122	1084	4464	8039	1.80	11.5	11.3
Cache	71	631	2717	3926	1.44	7.0	5.5
Davis	34	302	1253	1414	1.13	3.2	2.0
Morgan	12	107	265	376	1.42	0.7	0.5
Rich	5	44	82	109	1.33	0.2	0.2
Summit	4	36	82	148	1.80	0.2	0.2
Weber	81	719	3037	5132	1.69	7.9	7.2
Regional total	329	2923	11900	19144	1.61	30.8	26.9
Central Region							
Juab	91	808	1985	5182	2.61	5.1	7.3
Salt Lake	19	169	604	850	1.41	1.6	1.2
Sanpete	32	284	1281	1721	1.34	3.3	2.4
Tooele	110	977	3147	5854	1.86	8.1	8.2
Utah	235	2087	7053	11926	1.69	18.2	16.7
Wasatch	9	80	668	396	0.59	1.7	0.6
Regional total	496	4405	14738	25929	1.76	38.1	36.4
Southern Region							
Beaver	28	249	778	1454	1.87	2.0	2.0
Garfield	9	80	549	1108	2.02	1.4	1.6
Iron	46	409	1610	3619	2.25	4.2	5.1
Kane	4	36	146	376	2.58	0.4	0.5
Millard	76	675	2122	7110	3.35	5.5	10.0
Piute	6	53	101	218	2.16	0.3	0.3
Sevier	41	364	1464	2393	1.63	3.8	3.4
Washington	36	320	1290	2709	2.10	3.3	3.8
Wayne	1	9	27	20	0.74	0.1	0.0
Regional total	247	2195	8087	19007	2.35	20.9	26.7
Northeastern Region							
Daggett	2	18	73	316	4.33	0.2	0.4
Duchesne	16	142	814	1493	1.83	2.1	2.1
Uintah	28	249	933	1286	1.38	2.4	1.8
Regional total	46	409	1820	3095	1.70	4.7	4.3
Southeastern Region							
Carbon	13	115	393	722	1.84	1.0	1.0
Emery	17	151	677	989	1.46	1.7	1.4
Grand	4	36	174	59	0.34	0.4	0.1
San Juan	14	124	485	1523	3.14	1.3	2.1
Regional total	48	426	1729	3293	1.90	4.5	4.6
Unknown	16	142	412	752	1.83	1.1	1.1
Statewide total*	1001	8891	38689	71217	1.84	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 dove harvest statistics, Utah 1951–2011.

Year	Total hunters	Total harvest	Hunter-days afield	Doves / hunter-day	Doves / hunter
1951	3007	20448	4455	4.6	6.8
1952	6420	49498	10784	4.6	7.7
1953	9887	75636	17797	4.2	7.7
1954	9901	75941	19724	3.9	7.7
1955	9653	79444	19282	4.1	8.2
1956	10744	95729	20411	4.7	8.9
1957	11298	86769	18620	4.7	7.7
1958	11853	85934	21591	4.0	7.2
1959	12142	110856	24911	4.5	9.1
1960	12440	108477	25766	4.2	8.7
1961	15192	128001	33434	3.8	8.4
1962	14663	144826	34281	4.2	9.9
1963	18258	162769	40490	4.0	8.9
1964	19829	193538	51671	3.7	9.8
1965	18710	164087	48835	3.4	8.8
1966	20594	212696	60608	3.5	10.3
1967	25161	263949	74171	3.6	10.5
1968	25105	207922	70186	3.0	8.3
1969	29131	279311	90965	3.1	9.6
1970	23908	232469	73984	3.1	9.7
1971	26064	226645	81271	2.8	8.7
1972	29341	238354	94046	2.5	8.1
1973	27435	307062	97788	3.1	11.2
1974	34021	306076	112967	2.7	9.0
1975	37378	420308	131312	3.2	11.2
1976	31293	298505	108780	2.7	9.5
1977	26905	267487	83218	3.2	9.9
1978	35985	383696	130173	2.9	10.7
1979	34903	351161	120459	2.9	10.1
1980	32627	343851	97644	3.5	10.5
1981	30060	310068	101728	3.0	10.3
1982	31756	282188	107728	2.6	8.9
1983	28258	272979	100568	2.7	9.7
1984	30573	282307	108793	2.6	9.2
1985	28183	256045	96507	2.7	9.1
1986	26583	226985	87084	2.6	8.5
1987	22553	204030	89378	2.3	9.0

Statewide dove harvest statistics, Utah 1951–2011 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Doves / hunter-day	Doves / hunter
1988	22457	178469	76219	2.3	7.9
1989	21696	190328	76372	2.5	8.8
1990	22700	199007	80076	2.5	8.8
1991	22632	178853	78405	2.3	7.9
1992	18021	161902	68937	2.3	9.0
1993	19725	170834	68143	2.5	8.7
1994	20743	195089	78594	2.5	9.4
1995	20896	186336	80688	2.3	8.9
1996	23180	200167	85613	2.3	8.6
1997	22594	208331	84638	2.5	9.2
1998	18030	160014	67234	2.4	8.9
1999	20926	153487	63796	2.4	7.3
2000	23916	227148	79356	2.9	9.5
2001	13715	86998	53736	1.6	6.3
2002	13619	108051	50644	2.1	7.9
2003	14625	108521	55067	2.0	7.4
2004*	13210	104105	46606	2.2	7.9
2005	15849	147903	71138	2.1	9.3
2006	10904	98159	42453	2.3	9.0
2007	10017	80554	37971	2.1	8.0
2008	13430	107929	56898	1.9	8.0
2009	11023	101608	47205	2.2	9.2
2010	11372	97155	43761	2.2	8.5
2011	8891	71217	38689	1.8	8.0
Average (1951–2010)	20452	186783	66749	3.0	8.9
% change from previous year	-22	-27	-12	-17	-6
% change from average	-57	-62	-42	-38	-10

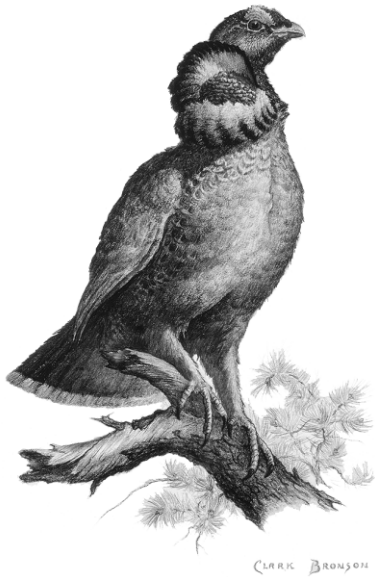
*Beginning in 2004, hunters were allowed to harvest mourning doves, white-winged doves, and Eurasian collared-doves. Harvest numbers do not include Eurasian collared-doves.

Dove harvest by species, Utah 2006–2011.

Year	Mourning dove		White-winged dove		Eurasian collared-dove		Unknown		Total harvest
	Harvest	%	Harvest	%	Harvest	%	Harvest	%	
2006	91628	91.3	3954	3.9	2220	2.2	2577	2.6	100379
2007	73807	88.8	1948	2.3	2545	3.1	4799	5.8	83099
2008	102560	85.6	2584	2.2	11948	10.0	2785	2.3	119877
2009	96392	86.2	2650	2.4	10256	9.2	2566	2.3	111864
2010	87827	69.8	6242	5.0	28723	22.8	3086	2.5	125878
2011	67401	69.4	2017	2.1	25910	26.7	1799	1.9	97127

FOREST GROUSE

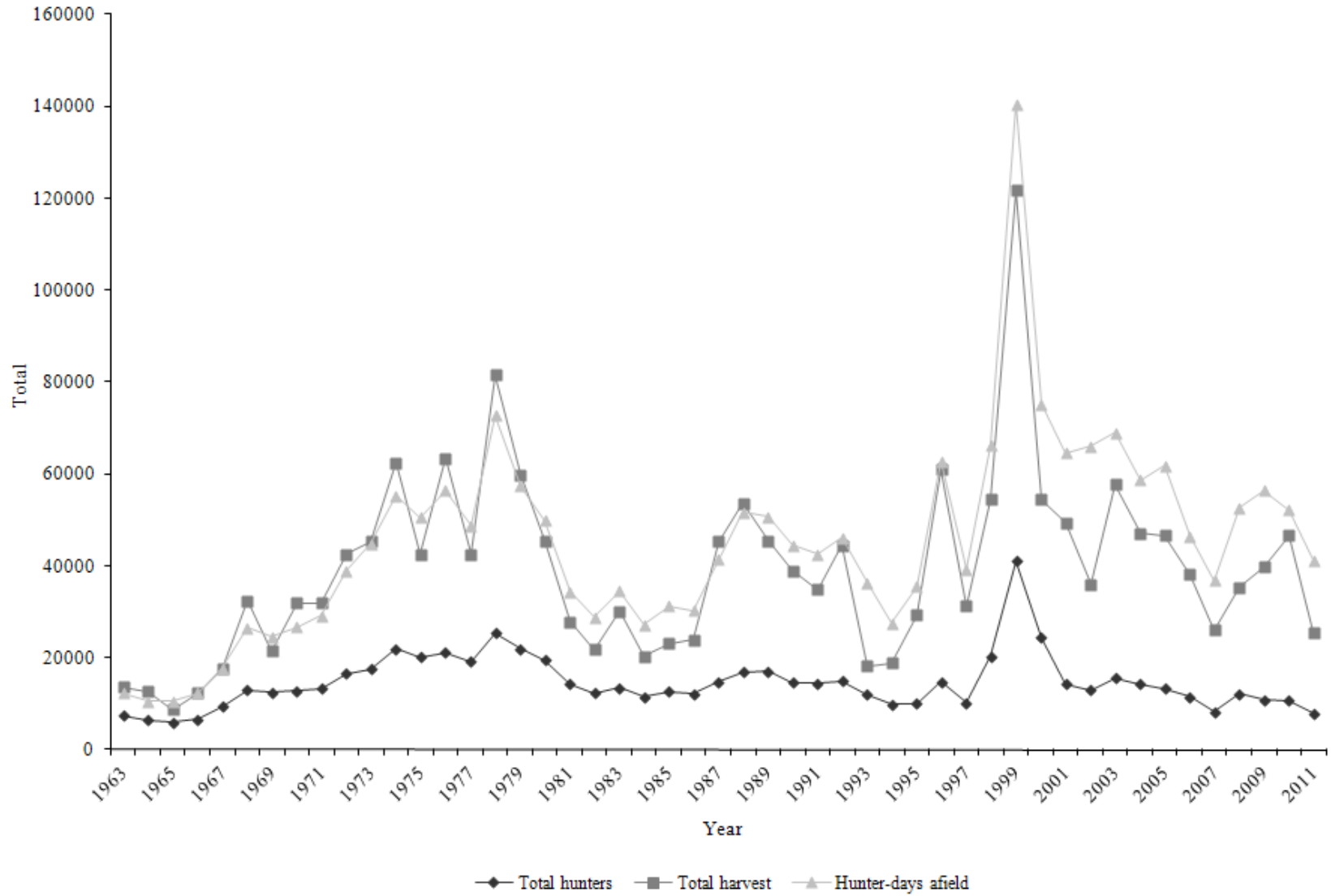
Dusky Grouse



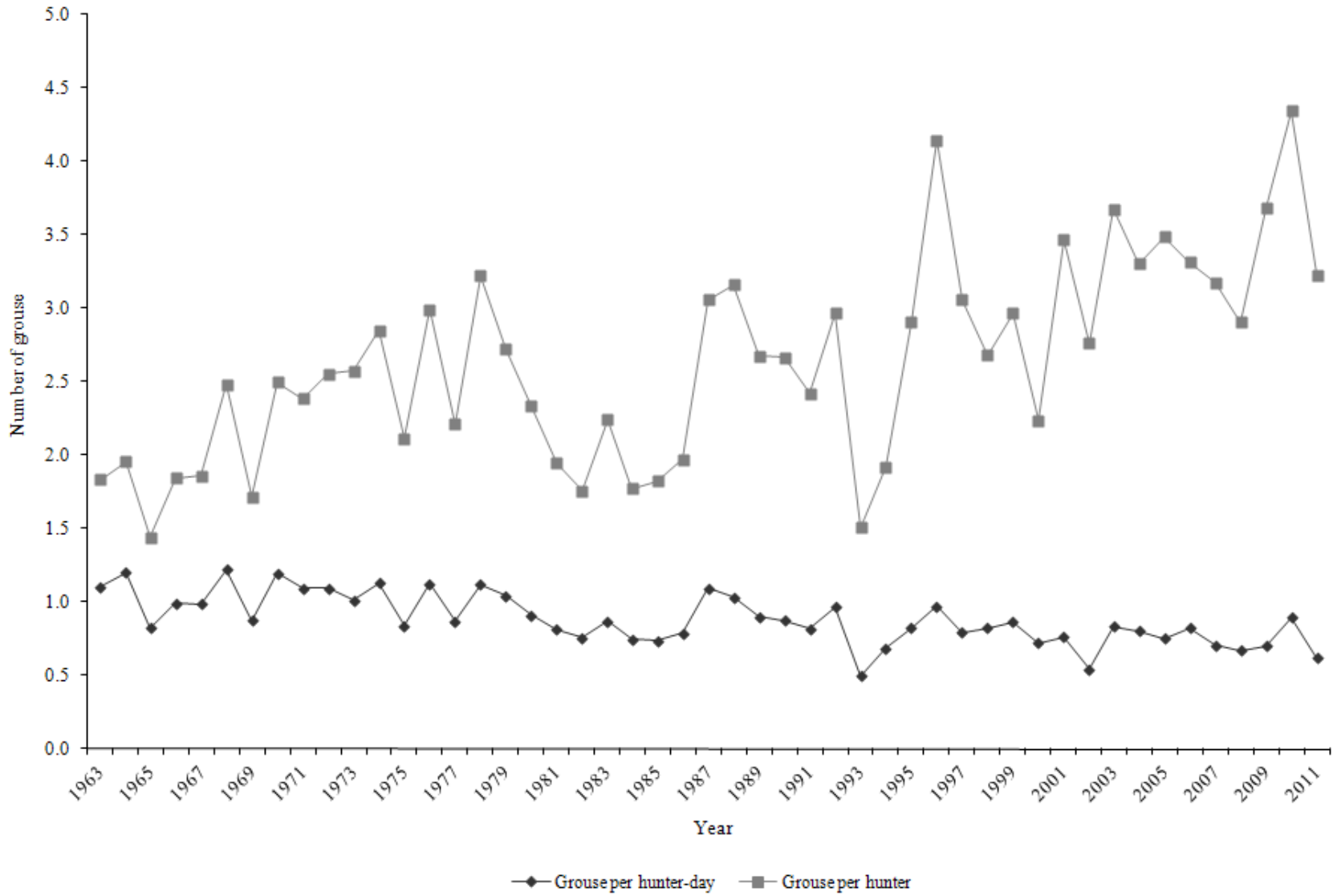
Ruffed Grouse



Statewide trends of forest grouse harvest statistics, Utah 1963–2011.



Statewide trends of forest grouse hunter success, Utah 1963–2011.



Forest grouse (dusky and ruffed) harvest statistics by region and county, Utah 2011.

Region and county	n	Hunters afield	Hunter-days afield	Grouse bagged	Grouse / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	61	491	2115	968	0.46	5.1	3.8
Cache	225	1812	8231	6993	0.85	20.0	27.3
Davis	33	266	1117	780	0.70	2.7	3.0
Morgan	19	153	546	287	0.53	1.3	1.1
Rich	38	306	1314	1282	0.98	3.2	5.0
Summit	92	741	3437	2134	0.62	8.3	8.3
Weber	78	628	2593	1291	0.50	6.3	5.0
Regional total	546	4397	19353	13735	0.71	46.9	53.6
Central Region							
Juab	23	185	623	278	0.45	1.5	1.1
Salt Lake	18	145	1058	206	0.19	2.6	0.8
Sanpete	70	564	2013	1004	0.50	4.9	3.9
Tooele	27	217	716	233	0.33	1.7	0.9
Utah	127	1023	3634	1928	0.53	8.8	7.5
Wasatch	86	693	2960	1766	0.60	7.2	6.9
Regional total	351	2827	11004	5415	0.49	26.7	21.1
Southern Region							
Beaver	12	97	341	260	0.76	0.8	1.0
Garfield	18	145	452	206	0.46	1.1	0.8
Iron	20	161	819	359	0.44	2.0	1.4
Kane	5	40	290	134	0.46	0.7	0.5
Millard	12	97	324	287	0.89	0.8	1.1
Piute	13	105	444	126	0.28	1.1	0.5
Sevier	46	370	1271	538	0.42	3.1	2.1
Washington	1	8	17	18	1.06	0.0	0.1
Wayne	8	64	333	27	0.08	0.8	0.1
Regional total	135	1087	4291	1955	0.46	10.4	7.6
Northeastern Region							
Daggett	13	105	469	466	0.99	1.1	1.8
Duchesne	58	467	1689	986	0.58	4.1	3.9
Uintah	39	314	1126	646	0.57	2.7	2.5
Regional total	110	886	3284	2098	0.64	8.0	8.2
Southeastern Region							
Carbon	19	153	563	475	0.84	1.4	1.9
Emery	18	145	631	395	0.63	1.5	1.5
Grand	11	89	324	45	0.14	0.8	0.2
San Juan	19	153	793	457	0.58	1.9	1.8
Regional total	67	540	2311	1372	0.59	5.6	5.4
Unknown	26	209	981	1031	1.05	2.4	4.0
Statewide total*	986	7941	41223	25607	0.62	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 (dusky and ruffed) harvest statistics, Utah 1963–2011.

Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1963	7425	13608	12313	1.1	1.8
1964	6487	12691	10566	1.2	2.0
1965	6005	8669	10504	0.8	1.4
1966	6683	12321	12387	1.0	1.8
1967	9420	17526	17773	1.0	1.9
1968	13061	32414	26537	1.2	2.5
1969	12523	21498	24572	0.9	1.7
1970	12775	31898	26619	1.2	2.5
1971	13363	31901	29100	1.1	2.4
1972	16640	42518	38940	1.1	2.6
1973	17588	45232	44738	1.0	2.6
1974	21920	62439	55258	1.1	2.8
1975	20102	42461	50579	0.8	2.1
1976	21186	63436	56422	1.1	3.0
1977	19188	42477	48746	0.9	2.2
1978	25318	81558	72732	1.1	3.2
1979	21993	59851	57404	1.0	2.7
1980	19511	45522	49899	0.9	2.3
1981	14329	27894	34305	0.8	1.9
1982	12384	21778	28767	0.8	1.8
1983	13414	30088	34530	0.9	2.2
1984	11511	20396	27244	0.7	1.8
1985	12646	23097	31290	0.7	1.8
1986	12117	23869	30312	0.8	2.0
1987	14831	45326	41428	1.1	3.1
1988	16947	53562	51726	1.0	3.2
1989	16987	45487	50631	0.9	2.7
1990	14591	38922	44452	0.9	2.7
1991	14421	34897	42517	0.8	2.4
1992	15000	44518	46136	1.0	3.0
1993	12029	18147	36390	0.5	1.5
1994	9827	18862	27510	0.7	1.9
1995	10088	29312	35591	0.8	2.9
1996	14702	60922	62711	1.0	4.1
1997	10206	31198	39304	0.8	3.1
1998	20310	54439	66256	0.8	2.7
1999	41041	121708	140478	0.9	3.0
2000	24338	54456	75199	0.7	2.2

Statewide forest grouse (dusky and ruffed) harvest statistics, Utah 1963–2011 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
2001	14260	49412	64632	0.8	3.5
2002	13020	35949	66118	0.5	2.8
2003	15669	57633	69032	0.8	3.7
2004	14259	47130	58672	0.8	3.3
2005	13371	46631	61866	0.8	3.5
2006	11532	38201	46504	0.8	3.3
2007	8193	26012	36799	0.7	3.2
2008	12189	35408	52577	0.7	2.9
2009	10791	39702	56455	0.7	3.7
2010	10724	46598	52138	0.9	4.3
2011	7941	25607	41223	0.6	3.2
Average (1963–2010)	14727	39366	44930	0.9	2.6
% change from previous year	-26	-45	-21	-30	-26
% change from average	-46	-35	-8	-30	23

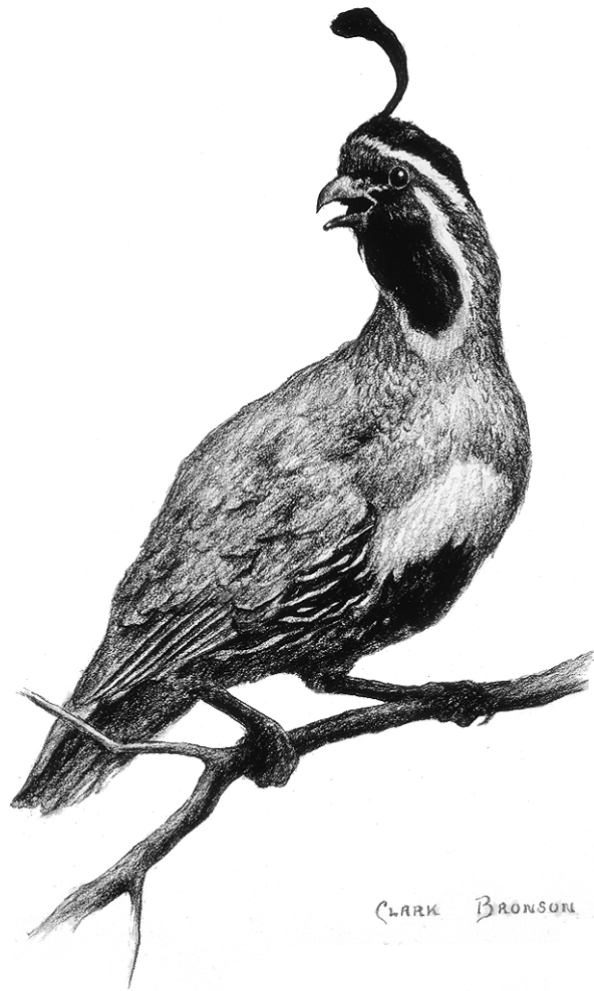
Forest grouse harvest by species, Utah 1963–2011.

Year	Ruffed grouse		Dusky grouse		Unknown grouse		Total harvest
	Harvest	%	Harvest	%	Harvest	%	
1963	5470	40.2	7372	54.2	766	5.6	13608
1964	5354	42.2	6685	52.7	652	5.1	12691
1965	3225	37.2	4924	56.8	520	6.0	8669
1966	6966	56.5	4659	37.8	696	5.6	12321
1967	8476	48.4	6773	38.6	2277	13.0	17526
1968	17048	52.6	12604	38.9	2762	8.5	32414
1969	9490	44.1	10419	48.5	1589	7.4	21498
1970	15590	48.9	13515	42.4	2793	8.8	31898
1971	15759	49.4	13749	43.1	2393	7.5	31901
1972	20648	48.6	19221	45.2	2649	6.2	42518
1973	7153	15.8	36846	81.5	1233	2.7	45232
1974	24561	39.3	32236	51.6	5642	9.0	62439
1975	15750	37.1	23138	54.5	3573	8.4	42461
1976	23551	37.1	35660	56.2	4225	6.7	63436
1977	15766	37.1	23455	55.2	3256	7.7	42477
1978	30340	37.2	46651	57.2	4567	5.6	81558
1979	23156	38.7	33070	55.3	3625	6.1	59851
1980	15457	34.0	27588	60.6	2477	5.4	45522
1981	8557	30.7	17852	64.0	1485	5.3	27894
1982	7509	34.5	12138	55.7	2131	9.8	21778
1983	11366	37.8	16955	56.4	1767	5.9	30088
1984	6780	33.2	12647	62.0	969	4.8	20396
1985	8701	37.7	13416	58.1	980	4.2	23097
1986	8819	36.9	14156	59.3	894	3.7	23869
1987	15811	34.9	28068	61.9	1447	3.2	45326
1988	19100	35.7	31556	58.9	2906	5.4	53562
1989	16323	35.9	27794	61.1	1370	3.0	45487
1990	11010	28.3	26115	67.1	1797	4.6	38922
1991	12073	34.6	21310	61.1	1514	4.3	34897
1992	15017	33.7	29146	65.5	355	0.8	44518
1993	6650	36.6	11040	60.8	457	2.5	18147
1994	6908	36.6	11865	62.9	89	0.5	18862
1995	13140	44.8	16172	55.2	0	0.0	29312
1996	29567	48.5	31355	51.5	0	0.0	60922
1997	14861	47.6	16337	52.4	0	0.0	31198
1998	12586	23.1	14773	27.1	27080	49.7	54439
1999	32018	26.3	28741	23.6	60949	50.1	121708
2000	28797	52.9	24321	44.7	1338	2.5	54456

Forest grouse harvest by species, Utah 1963–2011 (cont.).

Year	Ruffed grouse		Dusky grouse		Unknown grouse		Total harvest
	Harvest	%	Harvest	%	Harvest	%	
2001	24257	49.1	23905	48.4	1250	2.5	49412
2002	16253	45.2	17151	47.7	2543	7.1	35947
2003	26716	46.4	30071	52.2	846	1.5	57633
2004	22400	47.5	23923	50.8	806	1.7	47129
2005	17068	36.6	25367	54.4	4196	9.0	46631
2006	15154	39.7	21784	57.0	1263	3.3	38201
2007	12064	46.4	11990	46.1	1958	7.5	26012
2008	15305	43.2	17798	50.3	2305	6.5	35408
2009	18239	45.9	19436	49.0	2027	5.1	39702
2010	17652	37.9	25056	53.8	3890	8.3	46598
2011	11906	46.5	12399	48.4	1302	5.1	25607
Average (1963–2010)	15301	39.8	20433	53.1	3631	7.0	39366
% change from previous year	-33	23	-51	-10	-67	-39	-45
% change from average	-22	17	-39	-9	-64	-28	-35

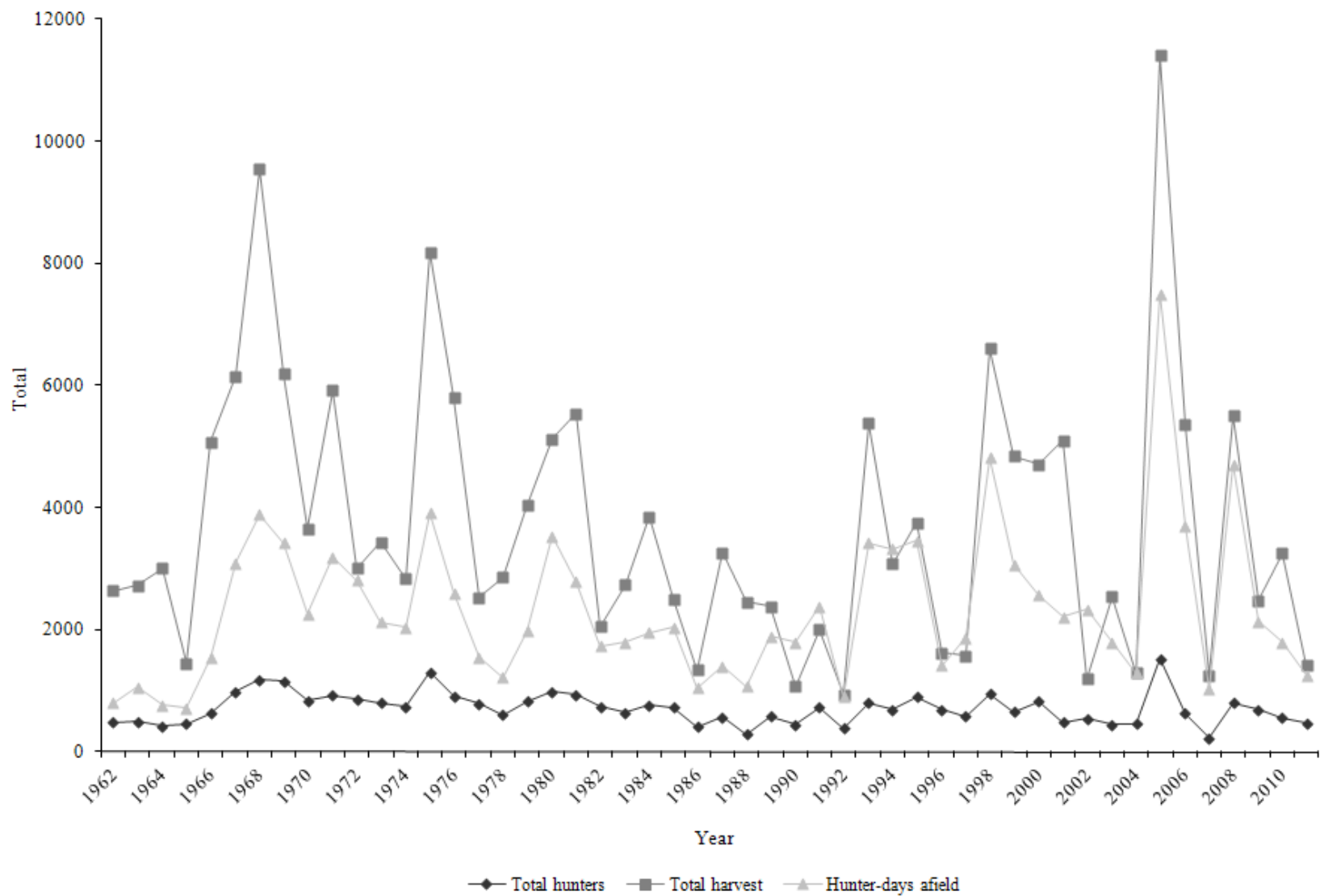
GAMBEL'S QUAIL



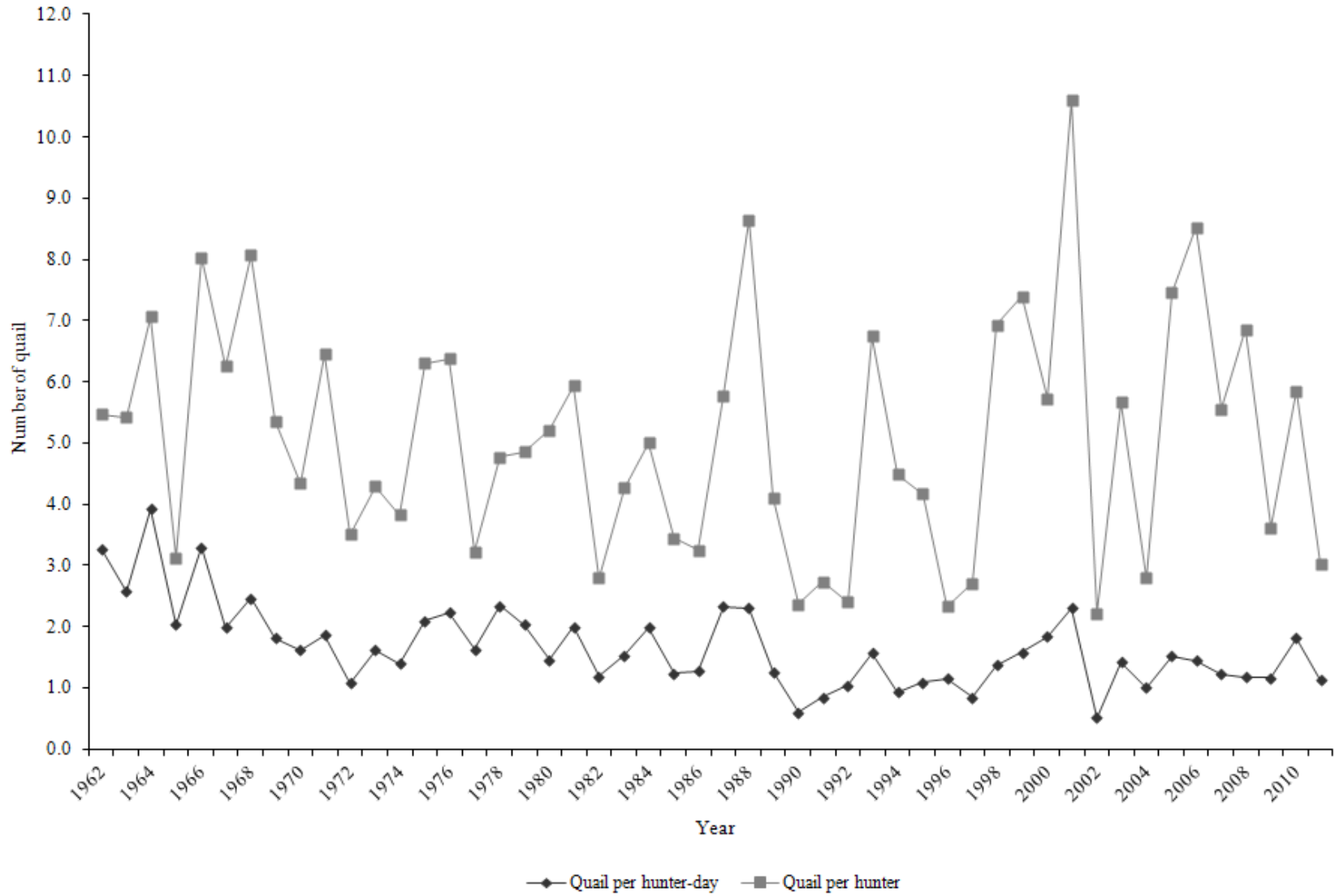
Gambel's quail waterhole trend counts, west slope of Beaver Dam Mountains, Washington County, Utah 1980–2011.

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
2008	86	35	121	246
2009	87	26	113	335
2010	51	15	66	340
2011	41	19	60	216
Average (1980–2010)	169	60	228	308
% change from previous year	-20	27	-9	-37
% change from average	-76	-68	-74	-30

Statewide trends of Gambel's quail harvest statistics, Utah 1962–2011.



Statewide trends of Gambel's quail hunter success, Utah 1962–2011.



Gambel's quail harvest statistics by region and county, Utah 2011.

Region and county	n	Hunters afield	Hunter-days afield	Quail bagged	Quail / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	—	—	—	—	—	—	—
Cache	—	—	—	—	—	—	—
Davis	—	—	—	—	—	—	—
Morgan	—	—	—	—	—	—	—
Rich	—	—	—	—	—	—	—
Summit	—	—	—	—	—	—	—
Weber	—	—	—	—	—	—	—
Regional total	—	—	—	—	—	—	—
Central Region							
Juab	—	—	—	—	—	—	—
Salt Lake	—	—	—	—	—	—	—
Sanpete	—	—	—	—	—	—	—
Tooele	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—
Wasatch	—	—	—	—	—	—	—
Regional total	—	—	—	—	—	—	—
Southern Region							
Beaver	—	—	—	—	—	—	—
Garfield	—	—	—	—	—	—	—
Iron*	—	—	—	—	—	—	—
Kane	1	7	71	83	1.2	5.7	5.9
Millard	—	—	—	—	—	—	—
Piute	—	—	—	—	—	—	—
Sevier	—	—	—	—	—	—	—
Washington	66	461	1179	1327	1.1	94.3	94.1
Wayne	—	—	—	—	—	—	—
Regional total	67	468	1250	1410	1.1	100.0	100.0
Northeastern Region							
Daggett	—	—	—	—	—	—	—
Duchesne	—	—	—	—	—	—	—
Uintah	—	—	—	—	—	—	—
Regional total	—	—	—	—	—	—	—
Southeastern Region							
Carbon	—	—	—	—	—	—	—
Emery	—	—	—	—	—	—	—
Grand	—	—	—	—	—	—	—
San Juan	—	—	—	—	—	—	—
Regional total	—	—	—	—	—	—	—
Unknown	—	—	—	—	—	—	—
Statewide total*	67	468	1250	1410	1.1	100.0	100.0

*Both California quail and Gambel's quail are found in Iron County. Quail harvest is assumed to be California quail.

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

Statewide Gambel's quail harvest statistics, Utah 1962–2011.

Year	Total hunters	Total harvest	Hunter-days afield	Quail / hunter-day	Quail / hunter
1962	482	2636	804	3.3	5.5
1963	502	2722	1057	2.6	5.4
1964	425	3003	765	3.9	7.1
1965	463	1448	714	2.0	3.1
1966	631	5071	1540	3.3	8.0
1967	985	6157	3097	2.0	6.3
1968	1184	9551	3884	2.5	8.1
1969	1155	6188	3424	1.8	5.4
1970	842	3656	2259	1.6	4.3
1971	919	5922	3185	1.9	6.4
1972	860	3010	2807	1.1	3.5
1973	800	3435	2126	1.6	4.3
1974	741	2830	2033	1.4	3.8
1975	1299	8184	3913	2.1	6.3
1976	910	5802	2608	2.2	6.4
1977	784	2532	1553	1.6	3.2
1978	600	2862	1221	2.3	4.8
1979	830	4032	1979	2.0	4.9
1980	984	5124	3529	1.5	5.2
1981	934	5541	2781	2.0	5.9
1982	736	2053	1731	1.2	2.8
1983	642	2741	1792	1.5	4.3
1984	771	3857	1948	2.0	5.0
1985	729	2507	2036	1.2	3.4
1986	412	1339	1050	1.3	3.3
1987	564	3260	1397	2.3	5.8
1988	284	2454	1068	2.3	8.6
1989	581	2385	1887	1.3	4.1
1990	453	1070	1790	0.6	2.4
1991	731	2000	2383	0.8	2.7
1992	391	941	906	1.0	2.4
1993	798	5377	3420	1.6	6.7
1994	686	3076	3322	0.9	4.5
1995	900	3751	3460	1.1	4.2
1996	697	1625	1416	1.1	2.3
1997	582	1579	1870	0.8	2.7
1998	954	6607	4815	1.4	6.9
1999	656	4847	3070	1.6	7.4
2000	823	4711	2566	1.8	5.7
2001	481	5095	2211	2.3	10.6

Statewide Gambel's quail harvest statistics, Utah 1962–2011 (cont.).

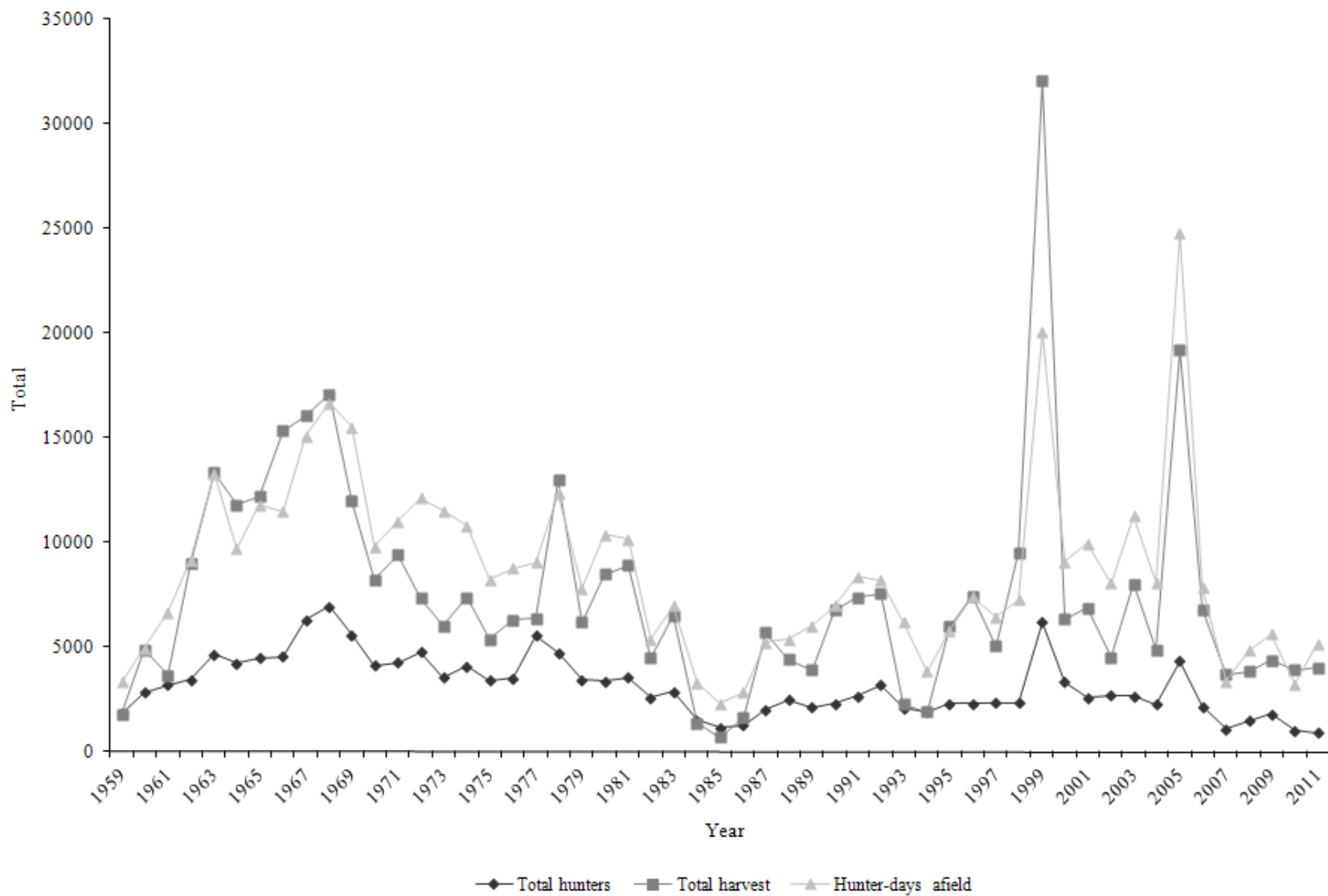
Year	Total hunters	Total harvest	Hunter-days afield	Quail / hunter-day	Quail / hunter
2002	539	1197	2335	0.5	2.2
2003	448	2537	1791	1.4	5.7
2004	463	1296	1296	1.0	2.8
2005	1530	11412	7496	1.5	7.5
2006	628	5353	3701	1.4	8.5
2007	225	1249	1019	1.2	5.6
2008	804	5509	4707	1.2	6.9
2009	688	2485	2141	1.2	3.6
2010	557	3255	1794	1.8	5.8
2011	468	1410	1250	1.1	3.0
Average (1951–2010)	716	3781	2361	1.7	5.1
% change from previous year	-16	-57	-30	-38	-48
% change from average	-35	-63	-47	-33	-41

HUNGARIAN PARTRIDGE

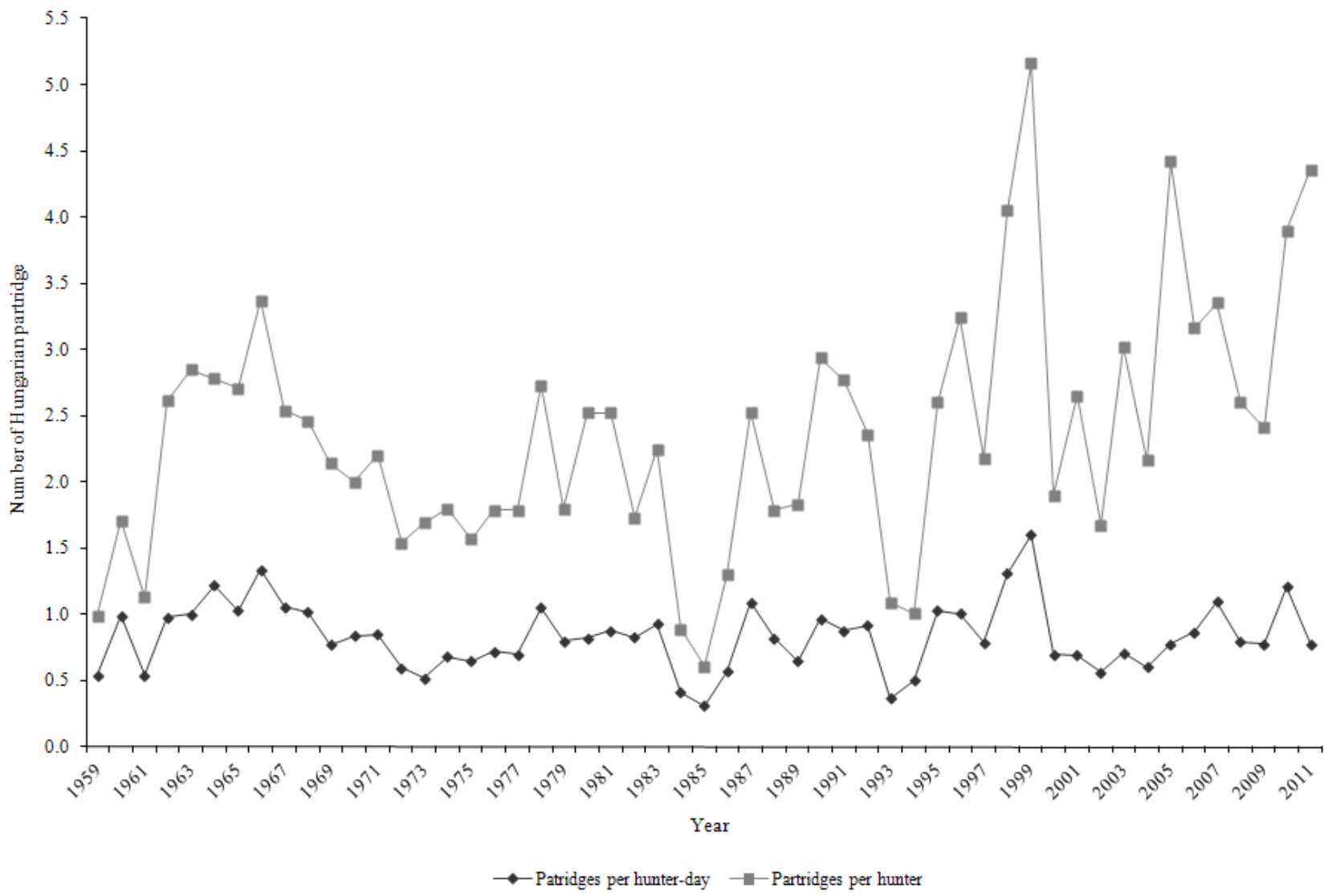


CLARK BRONSON

Statewide trends of Hungarian partridge harvest statistics, Utah 1959–60 to 2011–12.



Statewide trends of Hungarian partridge hunter success, Utah 1959–60 to 2011–12.



Hungarian partridge harvest statistics by region and county, Utah 2011–12.

Region and county	n	Hunters afield	Hunter-days afield	Partridges bagged	Partridges / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	85	582	2851	2823	1.0	55.3	70.6
Cache	36	247	1324	925	0.7	25.7	23.1
Davis	0	—	—	—	—	—	—
Morgan	2	14	32	58	1.8	0.6	1.5
Rich	2	14	81	0	0.0	1.6	0.0
Summit	2	14	234	107	0.5	4.5	2.7
Weber	4	27	105	49	0.5	2.0	1.2
Regional total	131	898	4627	3962	0.9	89.8	99.0
Central Region							
Juab	0	—	—	—	—	—	—
Salt Lake	0	—	—	—	—	—	—
Sanpete	0	—	—	—	—	—	—
Tooele	3	21	89	0	0.0	1.7	0.0
Utah	0	—	—	—	—	—	—
Wasatch	2	14	323	0	0.0	6.3	0.0
Regional total	5	35	412	0	0.0	8.0	0.0
Southern Region							
Beaver	4	27	57	19	0.3	1.1	0.5
Garfield	0	—	—	—	—	—	—
Iron	0	—	—	—	—	—	—
Kane	0	—	—	—	—	—	—
Millard	0	—	—	—	—	—	—
Piute	0	—	—	—	—	—	—
Sevier	0	—	—	—	—	—	—
Washington	0	—	—	—	—	—	—
Wayne	0	—	—	—	—	—	—
Regional total	4	27	57	19	0.3	1.1	0.5
Northeastern Region							
Daggett	0	—	—	—	—	—	—
Duchesne	0	—	—	—	—	—	—
Uintah	1	7	16	0	0.0	0.3	0.0
Regional total	1	7	16	0	0.0	0.3	0.0
Southeastern Region							
Carbon	0	—	—	—	—	—	—
Emery	0	—	—	—	—	—	—
Grand	0	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—
Regional total	0	—	—	—	—	—	—
Unknown	4	27	40	19	0.5	0.8	0.5
Statewide total*	134	918	5152	4001	0.8	100.0	100.0

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

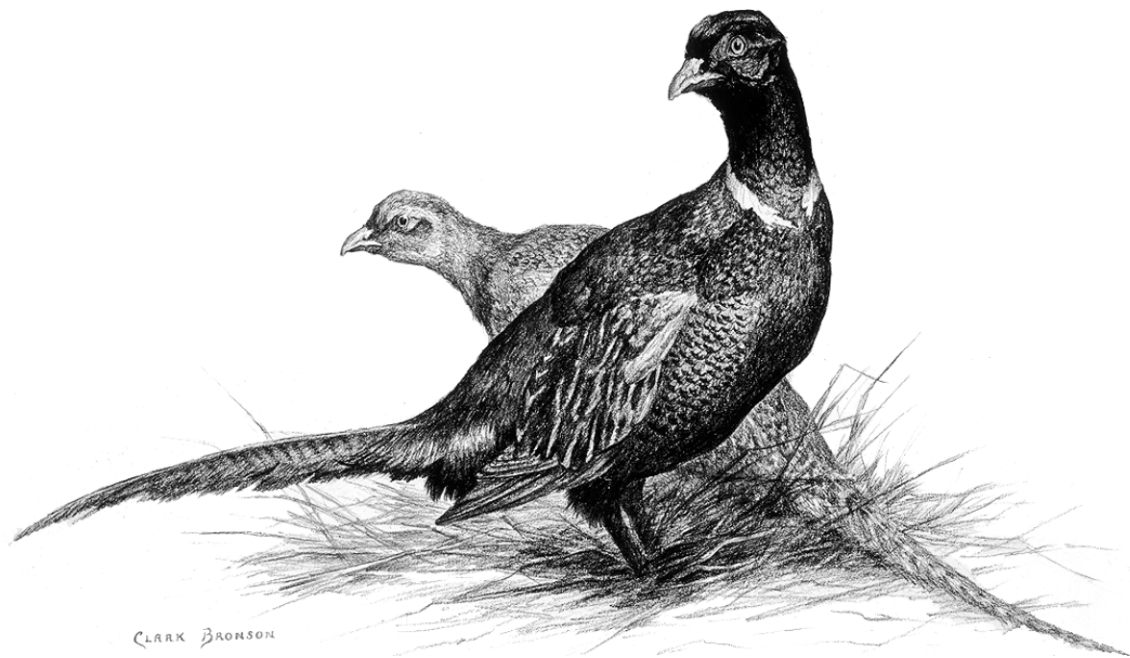
Statewide Hungarian partridge harvest statistics, Utah 1955–56 to 2011–12.

Year	Total hunters	Total harvest	Hunter-days afield	Partridges / hunter-day	Partridges / hunter
1955–56	—	—	—	—	0.4
1956–57	—	—	—	—	0.9
1957–58	—	—	—	—	0.5
1958–59	—	—	—	—	1.3
1959–60	1846	1820	3354	0.5	1.0
1960–61	2847	4877	4929	1.0	1.7
1961–62	3205	3648	6645	0.5	1.1
1962–63	3440	8970	9153	1.0	2.6
1963–64	4676	13343	13291	1.0	2.9
1964–65	4249	11812	9688	1.2	2.8
1965–66	4498	12183	11798	1.0	2.7
1966–67	4549	15348	11473	1.3	3.4
1967–68	6321	16049	15105	1.1	2.5
1968–69	6935	17089	16674	1.0	2.5
1969–70	5591	11966	15515	0.8	2.1
1970–71	4128	8236	9818	0.8	2.0
1971–72	4276	9407	11011	0.9	2.2
1972–73	4754	7335	12135	0.6	1.5
1973–74	3566	6014	11516	0.5	1.7
1974–75	4103	7389	10789	0.7	1.8
1975–76	3409	5358	8216	0.7	1.6
1976–77	3517	6287	8753	0.7	1.8
1977–78	5557	6360	9058	0.7	1.8
1978–79	4743	12969	12328	1.1	2.7
1979–80	3435	6200	7787	0.8	1.8
1980–81	3359	8466	10366	0.8	2.5
1981–82	3545	8916	10147	0.9	2.5
1982–83	2590	4475	5379	0.8	1.7
1983–84	2889	6506	6998	0.9	2.3
1984–85	1523	1360	3309	0.4	0.9
1985–86	1157	707	2314	0.3	0.6
1986–87	1257	1627	2843	0.6	1.3
1987–88	2010	5711	5246	1.1	2.5
1988–89	2471	4424	5392	0.8	1.8
1989–90	2136	3920	6035	0.7	1.8
1990–91	2305	6770	6976	1.0	2.9

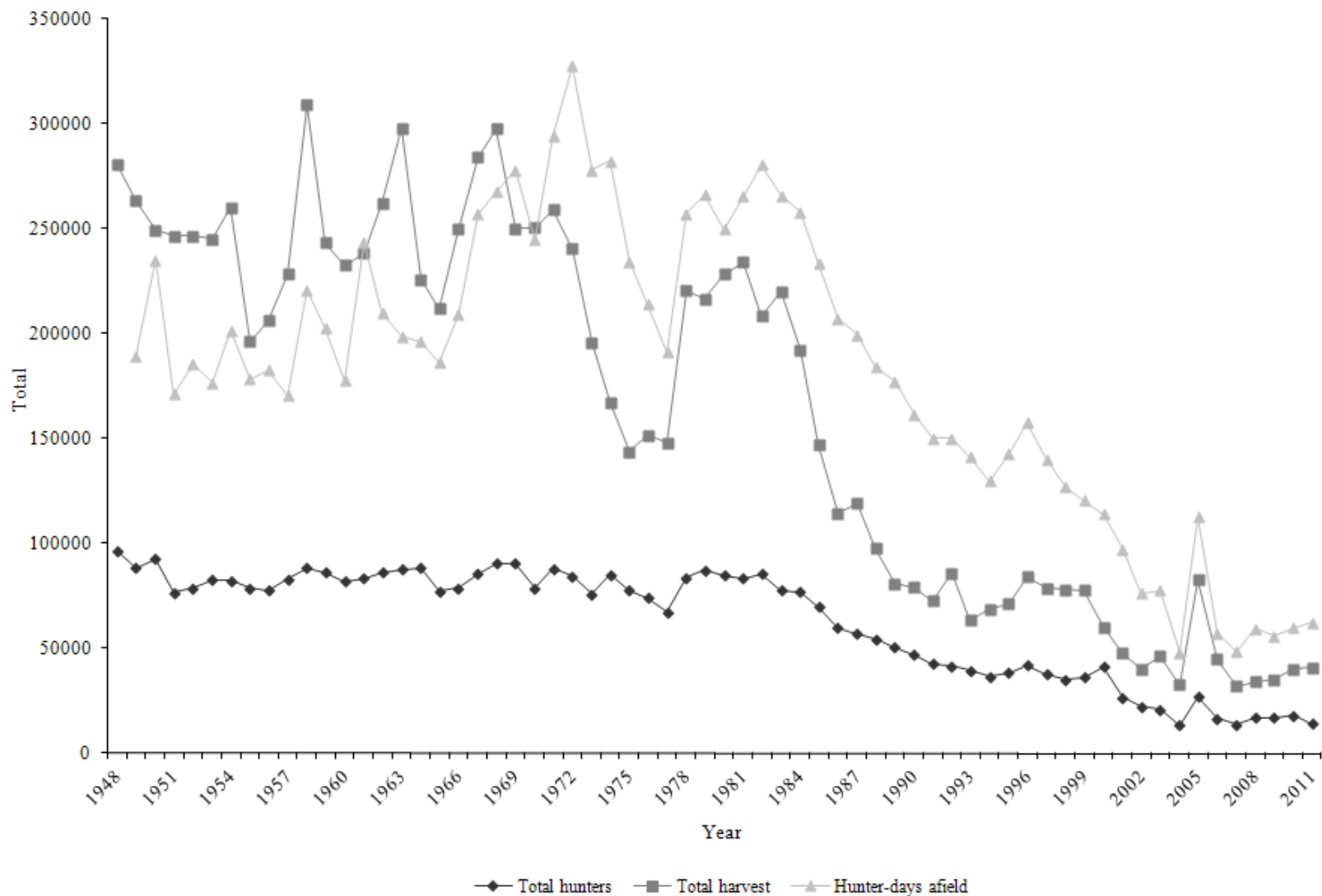
Statewide Hungarian partridge harvest statistics, Utah 1955–56 to 2011–12 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Partridges / hunter-day	Partridges / hunter
1991–92	2662	7376	8367	0.9	2.8
1992–93	3198	7553	8192	0.9	2.4
1993–94	2090	2280	6194	0.4	1.1
1994–95	1899	1916	3832	0.5	1.0
1995–96	2294	5967	5812	1.0	2.6
1996–97	2299	7455	7409	1.0	3.2
1997–98	2328	5071	6443	0.8	2.2
1998–99	2350	9515	7281	1.3	4.1
1999–00	6211	32036	20063	1.6	5.2
2000–01	3349	6355	9096	0.7	1.9
2001–02	2596	6889	9933	0.7	2.7
2002–03	2694	4520	8052	0.6	1.7
2003–04	2656	8030	11283	0.7	3.0
2004–05	2253	4877	8087	0.6	2.2
2005–06	4345	19214	24783	0.8	4.4
2006–07	2148	6798	7850	0.9	3.2
2007–08	1099	3683	3358	1.1	3.4
2008–09	1475	3834	4825	0.8	2.6
2009–10	1817	4376	5618	0.8	2.4
2010–11	1006	3920	3236	1.2	3.9
2011–12	918	4001	5152	0.8	4.4
Average (1955–2011)	3186	7639	8726	0.8	2.3
% change from previous year	-49	-9	-8	0	81
% change from average	-71	-48	-41	-7	88

RING-NECKED PHEASANT



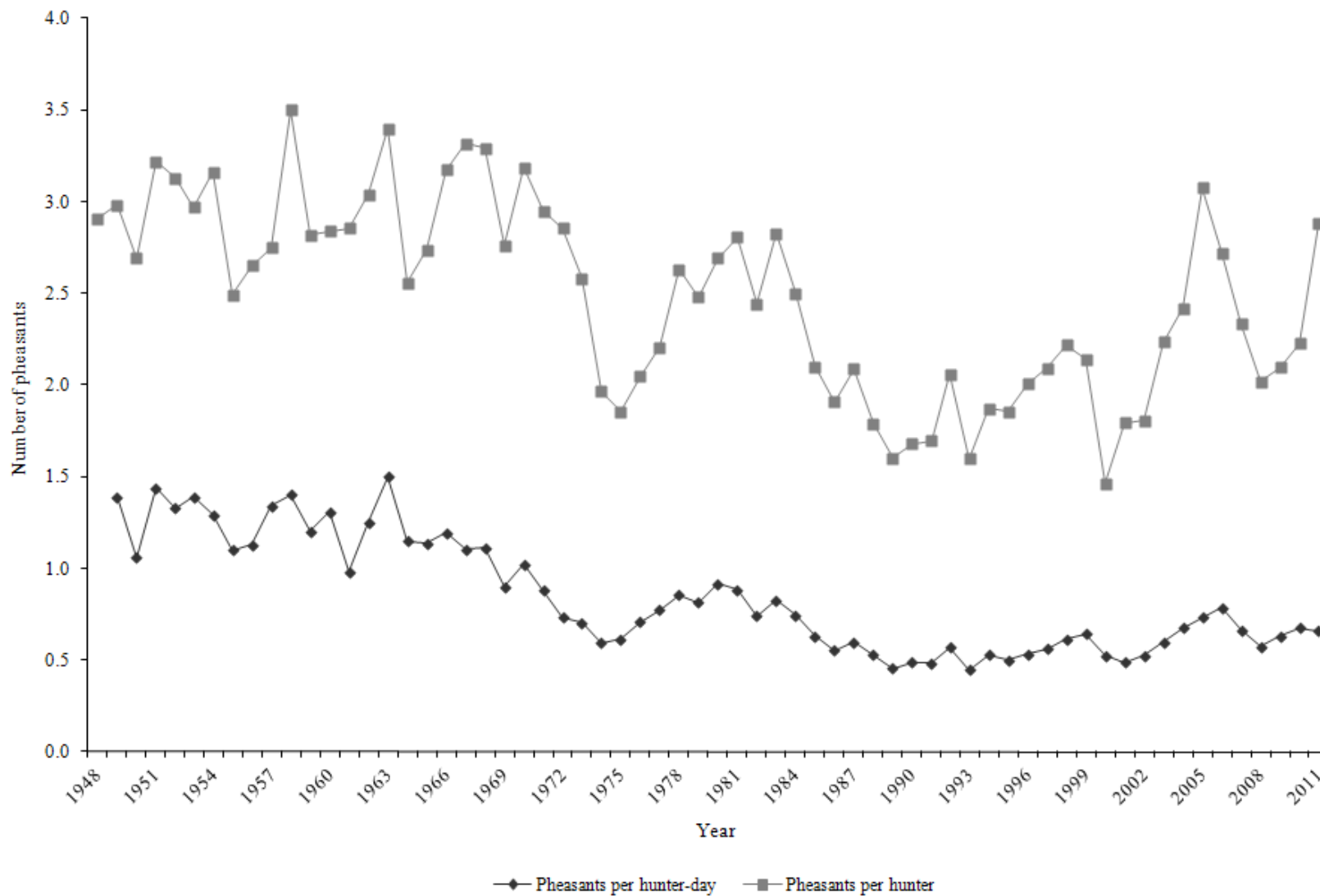
Statewide trends of ring-necked pheasant harvest statistics, Utah 1948–2011.



*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 1948–2011.



*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 2011.

Region and county	n	Hunters afield	Hunter-days afield	Pheasants bagged	Pheasants / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	258	2516	9955	7536	0.8	16.0	18.4
Cache	293	2857	13315	9405	0.7	21.4	23.0
Davis	90	878	2579	1483	0.6	4.1	3.6
Morgan	3	29	102	0	0.0	0.2	0.0
Rich	1	10	23	193	8.4	0.0	0.5
Summit	0	—	—	—	—	—	—
Weber	132	1287	5294	2556	0.5	8.5	6.3
Regional total	777	7577	31268	21173	0.7	50.3	51.8
Central Region							
Juab	48	468	1618	627	0.4	2.6	1.5
Salt Lake	20	195	656	639	1.0	1.1	1.6
Sanpete	72	702	2285	1845	0.8	3.7	4.5
Tooele	57	556	2161	832	0.4	3.5	2.0
Utah	308	3003	11007	6583	0.6	17.7	16.1
Wasatch	5	49	124	96	0.8	0.2	0.2
Regional total	510	4973	17851	10622	0.6	28.7	26.0
Southern Region							
Beaver	10	98	271	84	0.3	0.4	0.2
Garfield	1	10	11	48	4.4	0.0	0.1
Iron	3	29	113	36	0.3	0.2	0.1
Kane	1	10	11	0	0.0	0.0	0.0
Millard	45	439	1414	868	0.6	2.3	2.1
Piute	0	—	—	—	—	—	—
Sevier	39	380	1290	663	0.5	2.1	1.6
Washington	10	98	419	133	0.3	0.7	0.3
Wayne	3	29	79	410	5.2	0.1	1.0
Regional total	112	1093	3608	2242	0.6	5.8	5.5
Northeastern Region							
Daggett	2	20	57	72	1.3	0.1	0.2
Duchesne	67	653	2817	2327	0.8	4.5	5.7
Uintah	58	566	2421	1206	0.5	3.9	2.9
Regional total	127	1239	5295	3605	0.7	8.5	8.8
Southeastern Region							
Carbon	22	215	701	386	0.6	1.1	0.9
Emery	45	439	2115	1326	0.6	3.4	3.2
Grand	1	10	34	12	0.4	0.1	0.0
San Juan	4	39	419	157	0.4	0.7	0.4
Regional total	72	703	3269	1881	0.6	5.3	4.6
Unknown	26	254	860	1375	1.6	1.4	3.4
Statewide total*	1455	14188	62150	40899	0.7	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 possibility of hunters reporting harvest from commercial hunting areas.

Statewide ring-necked pheasant harvest statistics, Utah 1948–2011.

Year	Total hunters	Total harvest	Hunter-days afield	Pheasants / hunter-day	Pheasants / hunter
1948	96534	280914	—	—	2.9
1949	88369	263340	189453	1.4	3.0
1950	92724	249428	235309	1.1	2.7
1951	76576	246575	171233	1.4	3.2
1952	78773	246559	185383	1.3	3.1
1953	82595	245307	176480	1.4	3.0
1954	82370	260289	201774	1.3	3.2
1955	78793	196195	178359	1.1	2.5
1956	77826	206239	182512	1.1	2.7
1957	83025	228319	170387	1.3	2.8
1958	88290	309015	220725	1.4	3.5
1959	86268	243276	202730	1.2	2.8
1960	81976	232812	177719	1.3	2.8
1961	83493	238439	243305	1.0	2.9
1962	86336	262448	209921	1.3	3.0
1963	87647	297873	198582	1.5	3.4
1964	88242	225775	196314	1.2	2.6
1965	77409	211876	186215	1.1	2.7
1966	78721	249814	209082	1.2	3.2
1967	85664	284000	257033	1.1	3.3
1968	90453	297752	267788	1.1	3.3
1969	90573	250241	277887	0.9	2.8
1970	78585	250503	244958	1.0	3.2
1971	87878	259189	294618	0.9	2.9
1972	84311	240573	327669	0.7	2.9
1973	75968	196012	278033	0.7	2.6
1974	85252	167408	282294	0.6	2.0
1975	77566	143783	234615	0.6	1.9
1976	74029	151476	214023	0.7	2.0
1977	67195	148168	191142	0.8	2.2
1978	83800	220398	257305	0.9	2.6
1979	87462	216700	266245	0.8	2.5
1980	84868	228442	249770	0.9	2.7
1981	83408	234217	265381	0.9	2.8
1982	85368	208437	280624	0.7	2.4
1983	77847	220074	265731	0.8	2.8
1984	76840	192190	258169	0.7	2.5
1985	69889	146807	233328	0.6	2.1

Statewide ring-necked pheasant harvest statistics, Utah 1948–2011 (cont.).

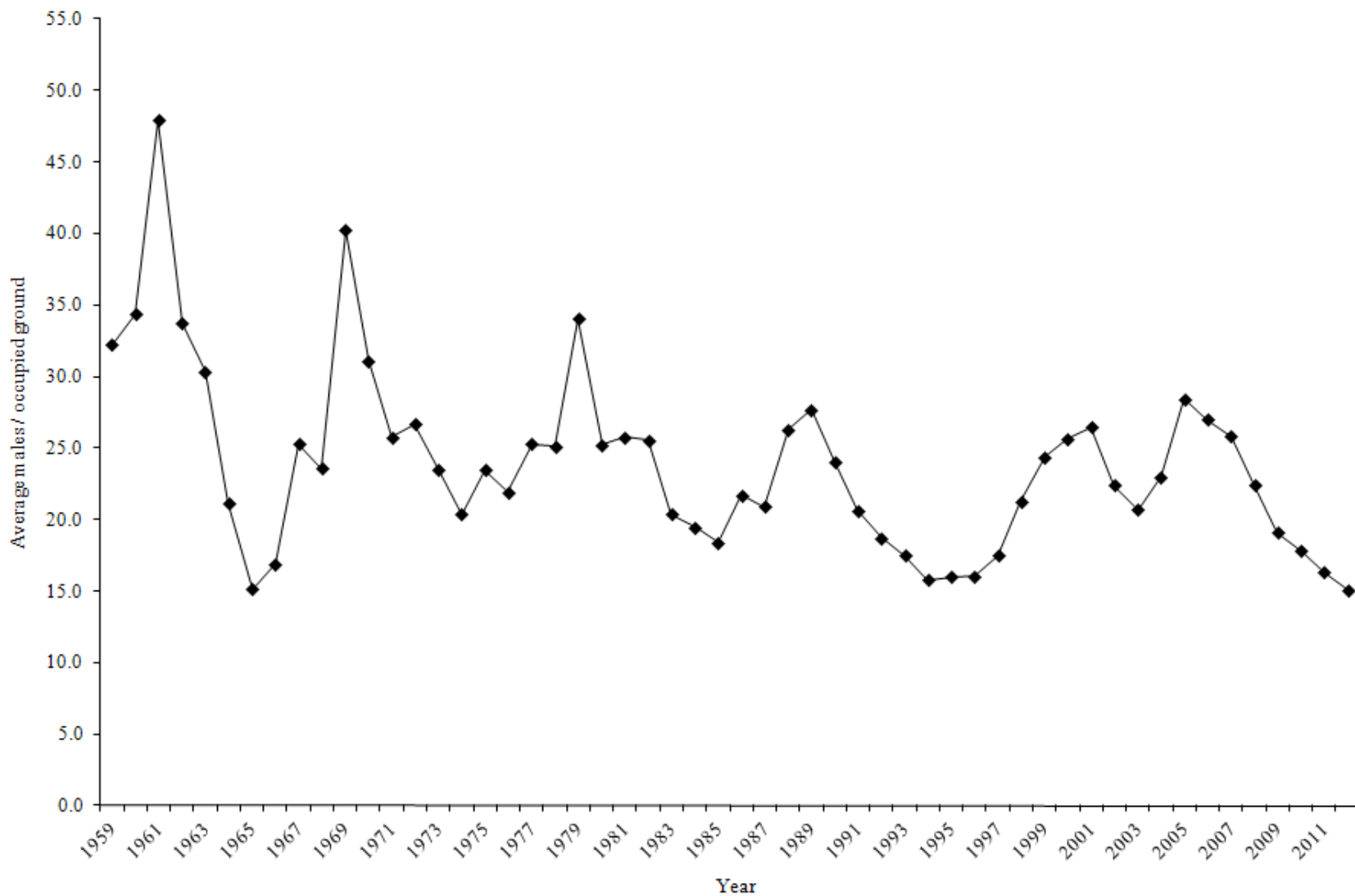
Year	Total hunters	Total harvest	Hunter-days afield	Pheasants / hunter-day	Pheasants / hunter
1986	59987	114389	207346	0.6	1.9
1987	57118	119236	199470	0.6	2.1
1988	54514	97658	184180	0.5	1.8
1989	50382	80769	177364	0.5	1.6
1990	47025	78944	161634	0.5	1.7
1991	42813	72612	150096	0.5	1.7
1992	41640	85803	150244	0.6	2.1
1993	39640	63336	141399	0.4	1.6
1994	36705	68698	129872	0.5	1.9
1995	38391	71202	142755	0.5	1.9
1996	41854	83987	157755	0.5	2.0
1997	37622	78693	140135	0.6	2.1
1998	35130	77889	126792	0.6	2.2
1999	36211	77545	120502	0.6	2.1
2000	41074	60108	114226	0.5	1.5
2001	26468	47521	97413	0.5	1.8
2002	22149	40048	76178	0.5	1.8
2003	20773	46382	77603	0.6	2.2
2004	13457	32532	48147	0.7	2.4
2005	26864	82671	112532	0.7	3.1
2006	16521	44971	57371	0.8	2.7
2007	13764	32121	48285	0.7	2.3
2008	16936	34189	59449	0.6	2.0
2009	16798	35211	55795	0.6	2.1
2010	18103	40299	59747	0.7	2.2
2011	14188	40899	62150	0.7	2.9
Average (1948–2010)	63411	165360	185135	0.8	2.5
% change from previous year	-22	1	4	-2	29
% change from average	-78	-75	-66	-22	16

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

SAGE-GROUSE (Greater and Gunnison)



Statewide trends of average Greater sage-grouse* males per occupied strutting ground, Utah 1959–2012.



*Beginning with the 2010 report, strutting ground count tables were modified to split out Gunnison sage-grouse from Greater sage-grouse. Therefore, this chart has been modified from previous versions to reflect this change.

Greater sage-grouse strutting ground counts by county for the Northern Region, Utah 2003–2012.

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average (2003–2011)
Box Elder											
Number of strutting grounds visited	62	61	54	62	60	63	63	59	56	86	60
Number of strutting grounds occupied	47	51	44	45	42	44	36	41	34	44	43
Total male grouse counted	957	1194	1193	1098	915	701	329	395	372	542	795
Average males / occupied ground	20.4	23.4	27.1	24.4	21.8	15.9	9.1	9.6	10.9	12.3	18.1
Cache											
Number of strutting grounds visited	4	3	1	2	3	3	4	4	3	4	3
Number of strutting grounds occupied	1	1	1	2	3	2	3	4	3	4	2
Total male grouse counted	18	14	9	47	53	47	33	86	33	45	38
Average males / occupied ground	18.0	14.0	9.0	23.5	17.7	23.5	11.0	21.5	11.0	11.3	16.6
Morgan											
Number of strutting grounds visited	3	3	5	4	4	5	6	7	5	7	5
Number of strutting grounds occupied	2	2	4	2	2	3	4	5	3	5	3
Total male grouse counted	62	92	109	67	66	63	73	119	87	56	82
Average males / occupied ground	31.0	46.0	27.3	33.5	33.0	21.0	18.3	23.8	29.0	11.2	29.2
Rich											
Number of strutting grounds visited	41	40	36	38	38	48	44	48	40	47	41
Number of strutting grounds occupied	32	32	31	33	34	33	33	45	28	33	33
Total male grouse counted	824	937	1344	1268	1318	1256	1404	1481	671	554	1167
Average males / occupied ground	25.8	29.3	43.4	38.4	38.8	38.1	42.5	32.9	24.0	16.8	34.8
Summit											
Number of strutting grounds visited	3	6	6	3	4	4	4	3	4	4	4
Number of strutting grounds occupied	2	2	2	3	3	3	3	3	4	4	3
Total male grouse counted	24	27	23	28	33	55	40	52	49	64	37
Average males / occupied ground	12.0	13.5	11.5	9.3	11.0	18.3	13.3	17.3	12.3	16.0	13.2
Northern Region total											
Number of strutting grounds visited	113	113	102	109	109	123	121	121	108	148	113
Number of strutting grounds occupied	84	88	82	85	84	85	79	98	72	90	84
Total male grouse counted	1885	2264	2678	2508	2385	2122	1879	2133	1212	1261	2118
Average males / occupied ground	22.4	25.7	32.7	29.5	28.4	25.0	23.8	21.8	16.8	14.0	25.1

Greater sage-grouse strutting ground counts by county for the Central Region, Utah 2003–2012.

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average (2003–2011)
Juab											
Number of strutting grounds visited	2	2	2	2	3	4	4	4	3	4	3
Number of strutting grounds occupied	2	1	1	1	3	4	4	4	1	3	2
Total male grouse counted	12	12	11	30	40	48	24	16	7	16	22
Average males / occupied ground	6.0	12.0	11.0	30.0	13.3	12.0	6.0	4.0	7.0	5.3	11.3
Sanpete											
Number of strutting grounds visited	—	—	—	—	—	—	—	—	—	—	—
Number of strutting grounds occupied	—	—	—	—	—	—	—	—	—	—	—
Total male grouse counted	—	—	—	—	—	—	—	—	—	—	—
Average males / occupied ground	—	—	—	—	—	—	—	—	—	—	—
Tooele											
Number of strutting grounds visited	4	4	7	10	8	9	8	10	9	9	8
Number of strutting grounds occupied	4	2	6	9	8	6	7	8	6	6	6
Total male grouse counted	91	66	227	244	191	72	83	106	55	53	126
Average males / occupied ground	22.8	33.0	37.8	27.1	23.9	12.0	11.9	13.3	9.2	8.8	21.2
Utah											
Number of strutting grounds visited	—	—	—	—	—	—	—	—	—	—	—
Number of strutting grounds occupied	—	—	—	—	—	—	—	—	—	—	—
Total male grouse counted	—	—	—	—	—	—	—	—	—	—	—
Average males / occupied ground	—	—	—	—	—	—	—	—	—	—	—
Wasatch											
Number of strutting grounds visited	2	4	3	2	1	2	2	2	2	2	2
Number of strutting grounds occupied	2	2	2	2	1	2	2	2	2	2	2
Total male grouse counted	68	84	86	146	65	69	77	76	79	61	83
Average males / occupied ground	34.0	42.0	43.0	73.0	65.0	34.5	38.5	38.0	39.5	30.5	45.3
Central Region total											
Number of strutting grounds visited	8	10	12	14	12	15	14	16	14	15	13
Number of strutting grounds occupied	8	5	9	12	12	12	13	14	9	11	10
Total male grouse counted	171	162	324	420	296	189	184	198	141	130	232
Average males / occupied ground	21.4	32.4	36.0	35.0	24.7	15.8	14.2	14.1	15.7	11.8	23.2

Greater sage-grouse strutting ground counts by county for the Southern Region, Utah 2003–2012.

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average (2003–2011)
Beaver											
Number of strutting grounds visited	7	7	8	8	8	7	7	7	7	7	7
Number of strutting grounds occupied	4	4	3	4	5	5	5	5	4	5	4
Total male grouse counted	55	69	78	88	126	96	74	48	41	56	75
Average males / occupied ground	13.8	17.3	26.0	22.0	25.2	19.2	14.8	9.6	10.3	11.2	17.6
Garfield											
Number of strutting grounds visited	15	15	16	14	19	18	20	20	20	20	17
Number of strutting grounds occupied	10	12	10	10	12	12	13	10	9	8	11
Total male grouse counted	168	211	419	340	358	401	355	170	186	253	290
Average males / occupied ground	16.8	17.6	41.9	34.0	29.8	33.4	27.3	17.0	20.7	31.6	26.5
Iron											
Number of strutting grounds visited	7	7	7	12	19	17	17	18	19	23	14
Number of strutting grounds occupied	5	6	5	9	16	16	15	17	13	17	11
Total male grouse counted	52	63	72	151	332	293	263	231	173	203	181
Average males / occupied ground	10.4	10.5	14.4	16.8	20.8	18.3	17.5	13.6	13.3	11.9	15.1
Kane											
Number of strutting grounds visited	3	3	3	3	3	3	3	3	3	3	3
Number of strutting grounds occupied	1	1	1	1	1	1	1	1	0	1	1
Total male grouse counted	5	5	12	13	4	3	2	1	—	4	6
Average males / occupied ground	5.0	5.0	12.0	13.0	4.0	3.0	2.0	1.0	—	4.0	5.6
Millard											
Number of strutting grounds visited	—	—	—	—	—	—	—	—	—	—	—
Number of strutting grounds occupied	—	—	—	—	—	—	—	—	—	—	—
Total male grouse counted	—	—	—	—	—	—	—	—	—	—	—
Average males / occupied ground	—	—	—	—	—	—	—	—	—	—	—

Greater sage-grouse strutting ground counts by county for the Southern Region, Utah 2003–2012 (cont.).

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average (2003–2011)
Piute											
Number of strutting grounds visited	1	1	3	2	3	3	4	3	5	5	3
Number of strutting grounds occupied	1	1	3	2	3	3	4	3	4	5	3
Total male grouse counted	26	22	46	75	121	103	102	63	55	73	68
Average males / occupied ground	26.0	22.0	15.3	37.5	40.3	34.3	25.5	21.0	13.8	14.6	26.2
Sevier											
Number of strutting grounds visited	2	2	3	3	3	3	4	3	4	4	3
Number of strutting grounds occupied	2	2	3	3	3	3	4	3	3	3	3
Total male grouse counted	25	13	39	89	71	67	54	87	46	77	55
Average males / occupied ground	12.5	6.5	13.0	29.7	23.7	22.3	13.5	29.0	15.3	25.7	18.4
Wayne											
Number of strutting grounds visited	16	18	18	20	25	26	28	28	28	28	23
Number of strutting grounds occupied	11	14	16	19	25	23	24	22	18	17	19
Total male grouse counted	413	588	668	958	1035	789	508	427	501	445	654
Average males / occupied ground	37.5	42.0	41.8	50.4	41.4	34.3	21.2	19.4	27.8	26.2	35.1
Southern Region total											
Number of strutting grounds visited	51	53	58	62	80	77	83	82	86	90	70
Number of strutting grounds occupied	34	40	41	48	65	63	66	61	51	56	52
Total male grouse counted	744	971	1334	1714	2047	1752	1358	1027	1002	1111	1328
Average males / occupied ground	21.9	24.3	32.5	35.7	31.5	27.8	20.6	16.8	19.6	19.8	25.6

Greater sage-grouse strutting ground counts by county for the Northeastern Region, Utah 2003–2012.

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average (2003–2011)
Daggett											
Number of strutting grounds visited	7	7	7	12	12	14	12	12	12	12	11
Number of strutting grounds occupied	4	6	7	12	9	7	7	6	6	7	7
Total male grouse counted	101	175	229	286	200	87	54	68	44	52	138
Average males / occupied ground	25.3	29.2	32.7	23.8	22.2	12.4	7.7	11.3	7.3	7.4	19.1
Duchesne											
Number of strutting grounds visited	7	8	13	16	21	16	15	19	20	20	15
Number of strutting grounds occupied	5	7	6	11	11	6	7	7	7	8	7
Total male grouse counted	54	39	69	137	151	102	86	106	106	140	94
Average males / occupied ground	10.8	5.6	11.5	12.5	13.7	17.0	12.3	15.1	15.1	17.5	12.6
Uintah											
Number of strutting grounds visited	28	35	39	44	44	42	45	42	45	52	40
Number of strutting grounds occupied	18	27	30	35	29	23	21	20	19	30	25
Total male grouse counted	310	492	545	634	478	272	233	241	223	392	381
Average males / occupied ground	17.2	18.2	18.2	18.1	16.5	11.8	11.1	12.1	11.7	13.1	15.0
Wasatch											
Number of strutting grounds visited	1	1	1	2	3	2	2	3	2	2	2
Number of strutting grounds occupied	0	0	1	1	0	0	1	0	1	2	0
Total male grouse counted	—	—	2	3	—	—	2	—	10	13	4
Average males / occupied ground	—	—	2.0	3.0	—	—	2.0	—	10.0	6.5	4.3
Northeastern Region total											
Number of strutting grounds visited	43	51	60	74	80	74	74	76	79	86	68
Number of strutting grounds occupied	27	40	44	59	49	36	36	33	33	47	40
Total male grouse counted	465	706	845	1060	829	461	375	415	383	597	615
Average males / occupied ground	17.2	17.7	19.2	18.0	16.9	12.8	10.4	12.6	11.6	12.7	15.2

Greater sage-grouse strutting ground counts by county for the Southeastern Region, Utah 2003–2012.

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average (2003–2011)
Carbon											
Number of strutting grounds visited	18	19	12	19	19	17	18	18	23	20	18
Number of strutting grounds occupied	8	11	9	13	12	12	13	11	14	11	11
Total male grouse counted	68	143	121	223	223	173	188	119	187	171	161
Average males / occupied ground	8.5	13.0	13.4	17.2	18.6	14.4	14.5	10.8	13.4	15.5	13.8
Emery											
Number of strutting grounds visited	2	1	3	3	2	2	2	3	3	2	2
Number of strutting grounds occupied	0	1	2	2	2	2	1	1	0	2	1
Total male grouse counted	—	5	11	32	15	19	5	11	—	12	14
Average males / occupied ground	—	5.0	5.5	16.0	7.5	9.5	5.0	11.0	—	6.0	8.5
Southeastern Region total*											
Number of strutting grounds visited	20	20	15	22	21	19	20	21	26	22	20
Number of strutting grounds occupied	8	12	11	15	14	14	14	12	14	13	13
Total male grouse counted	68	148	132	255	238	192	193	130	187	183	171
Average males / occupied ground	8.5	12.3	12.0	17.0	17.0	13.7	13.8	10.8	13.4	14.1	13.2

*Beginning with the 2010 report, strutting ground count tables were modified to split out Gunnison sage-grouse from Greater sage-grouse. Therefore, numbers in this table may not match the tables in reports prior to 2010.

Statewide trends of Greater sage-grouse* strutting ground counts, Utah 1959–2012.

Year	Number of grounds visited	Number of occupied grounds	Total male grouse counted	Average male grouse / occupied ground
1959	14	14	451	32.2
1960	16	16	550	34.4
1961	13	13	623	47.9
1962	14	14	472	33.7
1963	20	20	607	30.4
1964	15	14	296	21.1
1965	16	15	227	15.1
1966	21	19	321	16.9
1967	45	39	987	25.3
1968	64	56	1320	23.6
1969	83	77	3100	40.3
1970	99	93	2895	31.1
1971	119	98	2527	25.8
1972	122	104	2775	26.7
1973	109	89	2090	23.5
1974	146	124	2526	20.4
1975	127	104	2438	23.4
1976	133	116	2545	21.9
1977	160	138	3490	25.3
1978	138	112	2811	25.1
1979	127	99	3372	34.1
1980	113	84	2118	25.2
1981	172	126	3246	25.8
1982	117	96	2451	25.5
1983	132	105	2139	20.4
1984	59	42	817	19.5
1985	135	100	1838	18.4
1986	114	93	2021	21.7
1987	117	95	1985	20.9
1988	180	105	2763	26.3
1989	141	105	2906	27.7
1990	153	119	2860	24.0
1991	138	123	2536	20.6
1992	118	99	1853	18.7
1993	85	67	1171	17.5
1994	116	86	1357	15.8
1995	93	67	1072	16.0
1996	144	97	1555	16.0
1997	170	111	1944	17.5
1998	162	110	2342	21.3
1999	174	118	2875	24.4

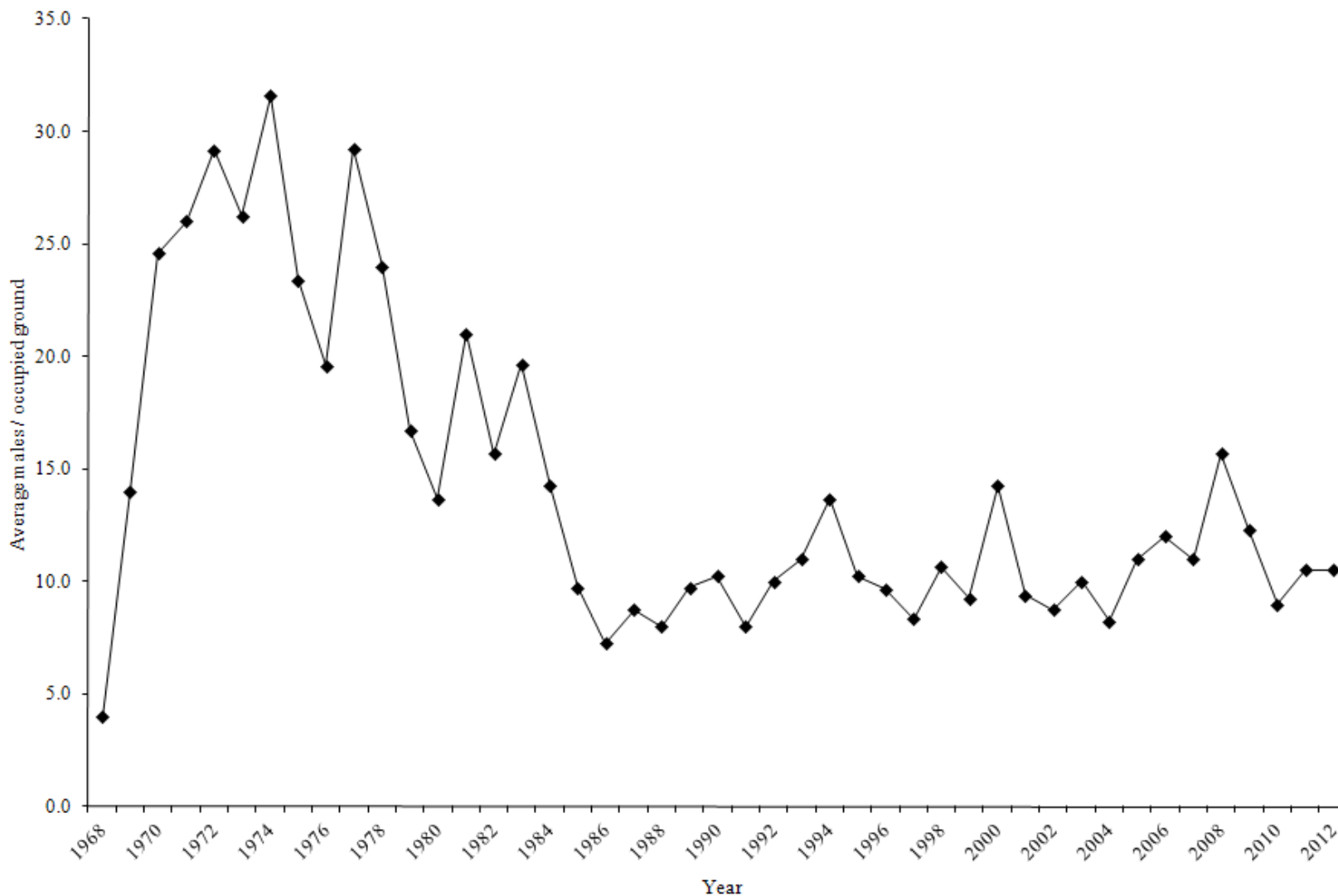
*Beginning with the 2010 report, strutting ground count tables were modified to split out Gunnison sage-grouse from Greater sage-grouse. Therefore, numbers in this table may not match the tables in reports prior to 2010.

Statewide trends of Greater sage-grouse* strutting ground counts, Utah 1959–2012 (cont.).

Year	Number of grounds visited	Number of occupied grounds	Total male grouse counted	Average male grouse / occupied ground
2000	187	139	3566	25.7
2001	174	122	3231	26.5
2002	237	144	3227	22.4
2003	235	161	3333	20.7
2004	247	185	4251	23.0
2005	247	187	5313	28.4
2006	283	221	5973	27.0
2007	305	225	5800	25.8
2008	310	211	4720	22.4
2009	314	209	3992	19.1
2010	318	219	3909	17.8
2011	313	179	2925	16.3
2012	361	218	3284	15.1
Average (1959–2011)	139.7	104.2	2424.8	24.1

**Beginning with the 2010 report, strutting ground count tables were modified to split out Gunnison sage-grouse from Greater sage-grouse. Therefore, numbers in this table may not match the tables in reports prior to 2010.

Statewide trends of average Gunnison sage-grouse* males per occupied strutting ground, Utah 1959–2012.



*Beginning with the 2010 report, strutting ground count tables were modified to split out Gunnison sage-grouse from Greater sage-grouse.

Gunnison sage-grouse strutting ground counts, Utah 2003–2012.

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average (2003–2011)
San Juan											
Number of strutting grounds visited	5	5	5	4	5	5	4	4	4	4	5
Number of strutting grounds occupied	3	4	3	2	4	3	3	2	2	2	3
Total male Grouse counted	30	33	33	24	44	47	37	18	21	21	32
Average males / occupied ground	10.0	8.3	11.0	12.0	11.0	15.7	12.3	9.0	10.5	10.5	11.1

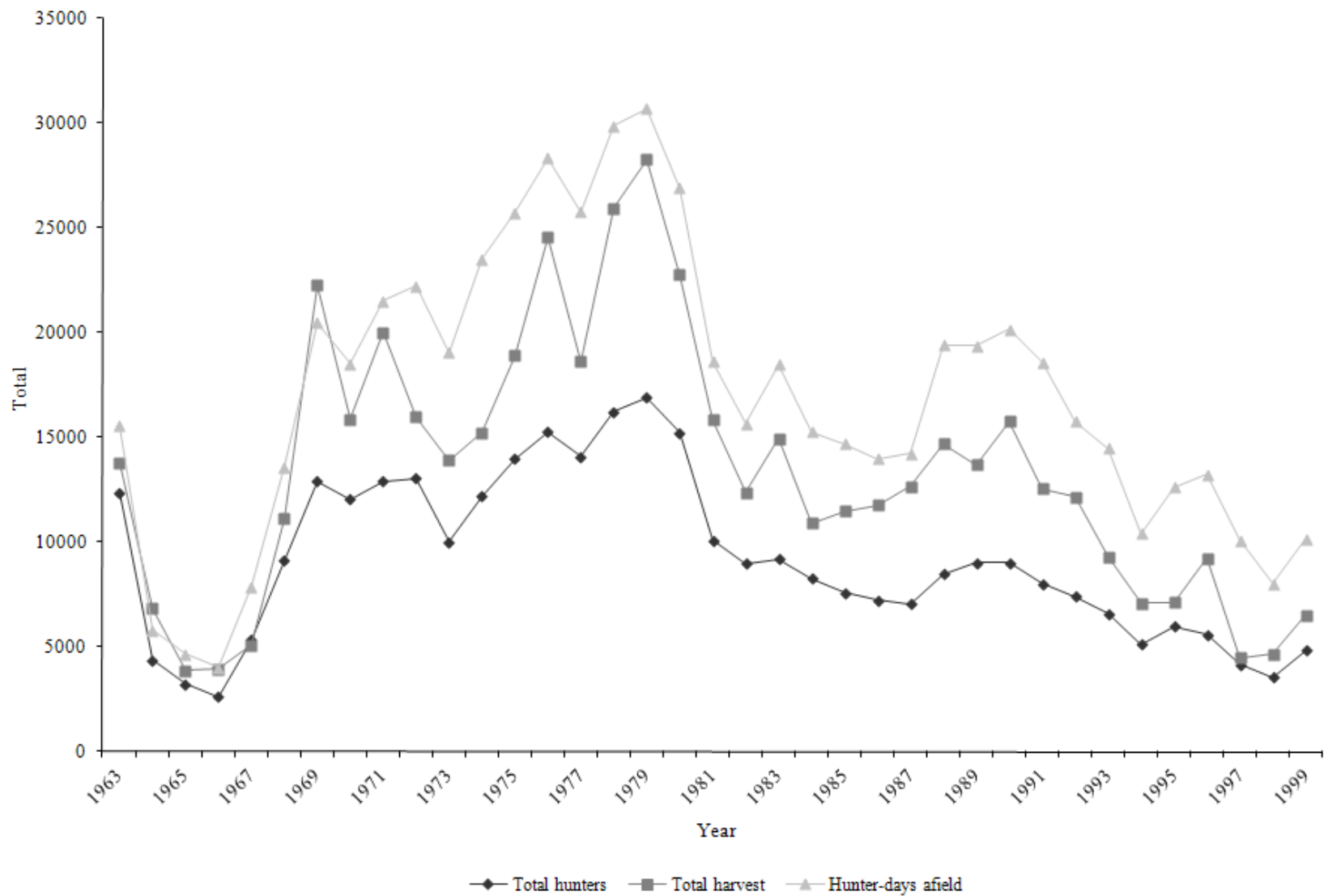
Statewide trends of Gunnison sage-grouse strutting ground counts, Utah 1968–2012.

Year	Number of grounds visited	Number of occupied grounds	Total male grouse counted	Average male grouse / occupied ground
1968	2	2	8	4.0
1969	3	3	42	14.0
1970	6	5	123	24.6
1971	6	6	156	26.0
1972	6	6	175	29.2
1973	6	4	105	26.3
1974	6	5	158	31.6
1975	6	5	117	23.4
1976	6	5	98	19.6
1977	5	4	117	29.3
1978	5	4	96	24.0
1979	4	4	67	16.8
1980	5	3	41	13.7
1981	4	3	63	21.0
1982	4	3	47	15.7
1983	4	3	59	19.7
1984	4	4	57	14.3
1985	4	4	39	9.8
1986	4	4	29	7.3
1987	4	4	35	8.8
1988	4	4	32	8.0
1989	4	4	39	9.8
1990	4	4	41	10.3
1991	4	4	32	8.0
1992	4	4	40	10.0
1993	4	4	44	11.0
1994	4	3	41	13.7
1995	4	4	41	10.3
1996	4	3	29	9.7
1997	4	3	25	8.3
1998	4	3	32	10.7
1999	5	4	37	9.3
2000	5	4	57	14.3
2001	5	5	47	9.4
2002	5	4	35	8.8
2003	5	3	30	10.0
2004	5	4	33	8.3
2005	5	3	33	11.0
2006	4	2	24	12.0
2007	5	4	44	11.0
2008	5	3	47	15.7

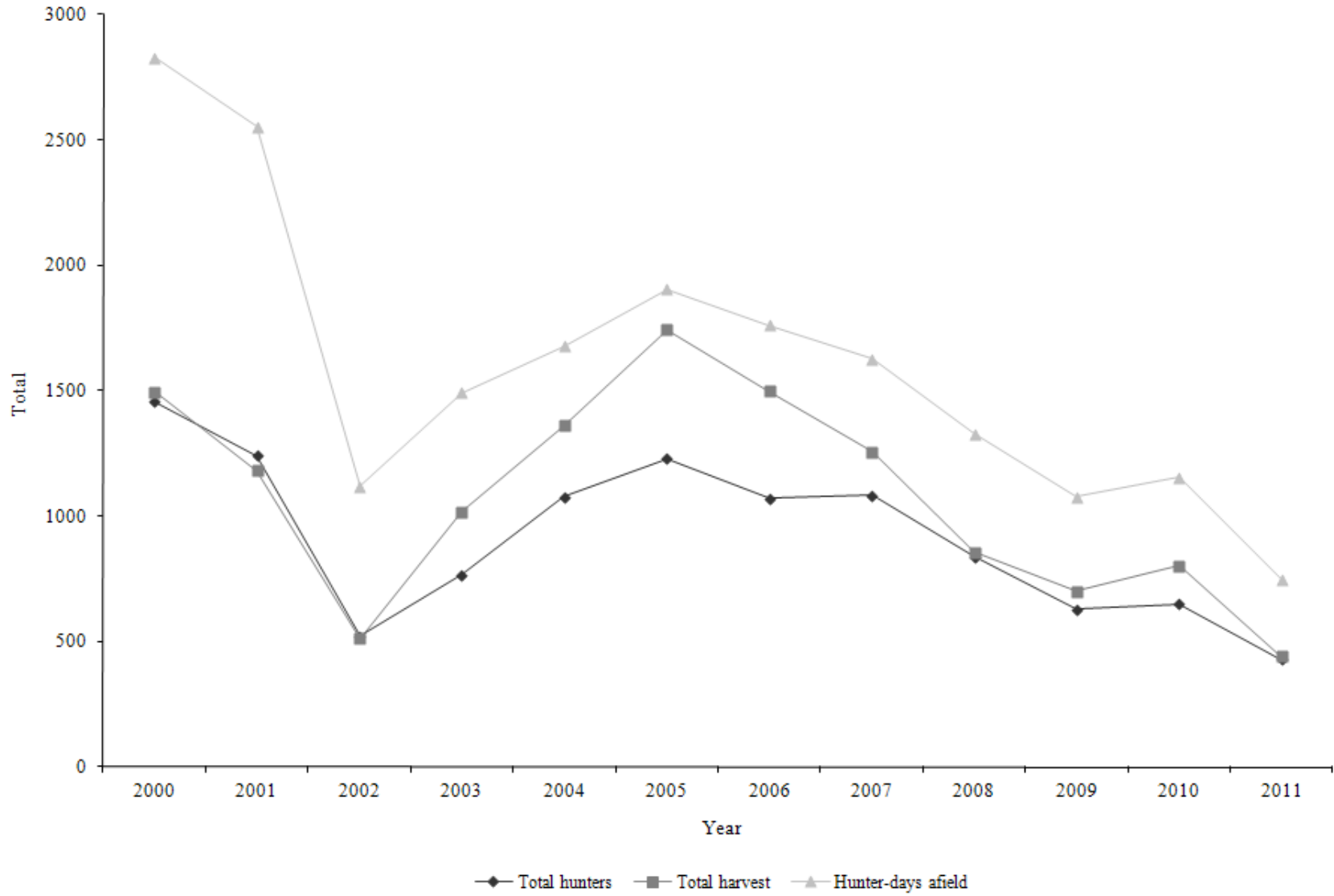
Statewide trends of Gunnison sage-grouse strutting ground counts, Utah 1968–2012 (cont.).

Year	Number of grounds visited	Number of occupied grounds	Total male grouse counted	Average male grouse / occupied ground
2009	4	3	37	12.3
2010	4	2	18	9.0
2011	4	2	21	10.5
2012	4	2	21	10.5
Average (1959–2011)	4.5	3.7	56.6	14.3

Statewide trends of Greater sage-grouse harvest statistics, Utah 1963–1999.

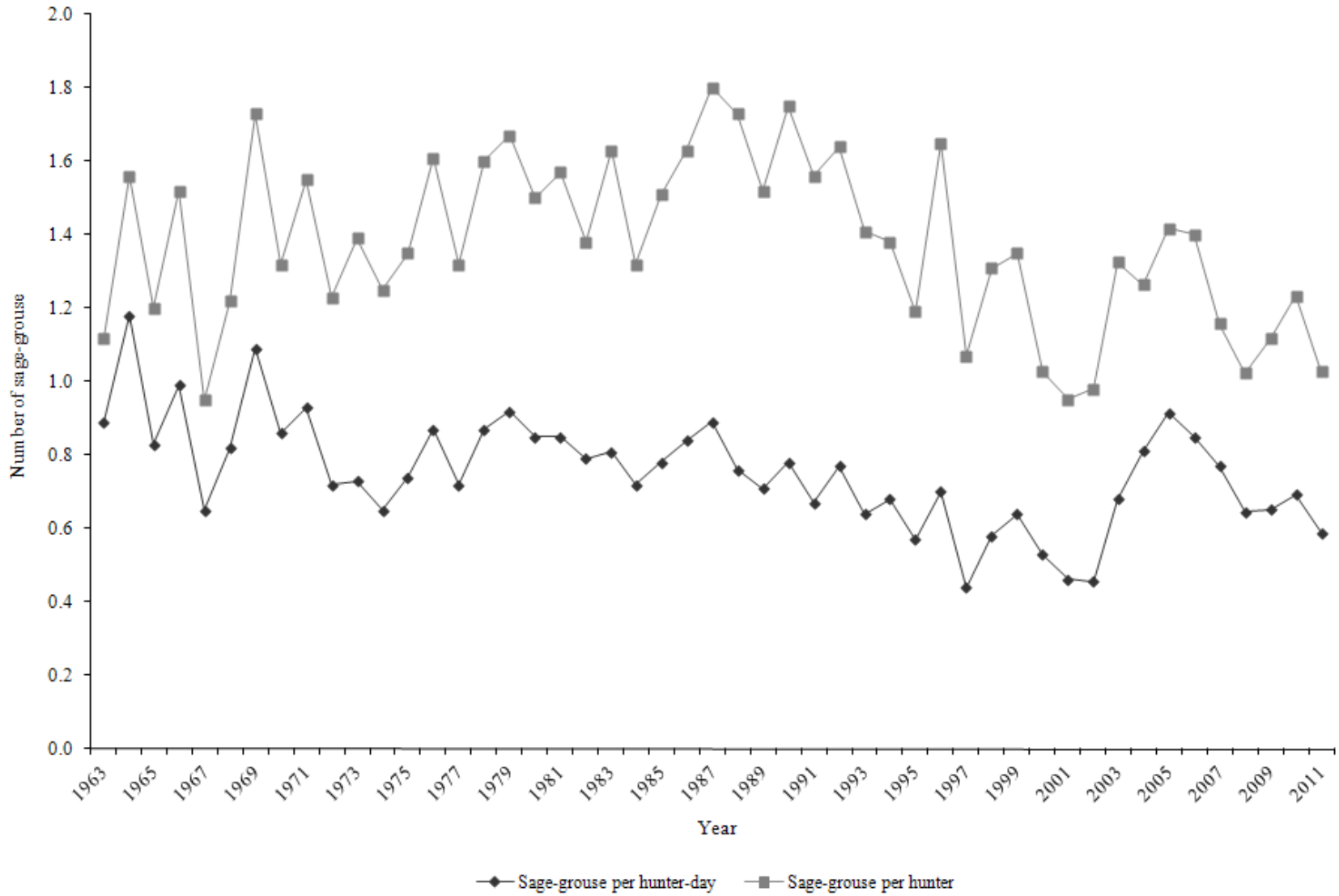


Statewide trends of Greater sage-grouse harvest statistics, Utah 2000–2011.



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

Statewide trends of Greater sage-grouse hunter success, Utah 1963–2011.



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

Greater sage-grouse harvest statistics by hunt unit, Utah 2011.

Hunt unit	Total permits	n	Hunters afield	Hunter-days afield	Grouse bagged	Grouse / hunter-day	Grouse / hunter	Percent success*
Diamond/Blue Mountain	62	47	53	135	78	0.6	1.5	80.0
Parker Mountain	202	110	152	236	169	0.7	1.1	65.1
Rich	126	71	101	158	91	0.6	0.9	57.9
West Box Elder	169	100	123	220	103	0.5	0.8	47.9
Statewide total	559	328	429	749	441	0.6	1.0	60.3

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

Statewide Greater sage-grouse harvest statistics, Utah 1951–2011.

Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1951	840	2458	—	—	2.9
1952	678	2230	—	—	3.3
1953	895	2581	—	—	2.9
1954	802	2510	—	—	3.1
1955	579	1742	—	—	3.0
1956	495	1375	—	—	3.0
1957	470	1303	—	—	2.8
1958	567	1797	—	—	3.2
1959	699	1875	—	—	2.7
1960	861	2246	—	—	2.6
1961*	1078	1918	—	—	1.8
1962**	2382	5352	5097	1.1	1.9
1963	12366	13793	15564	0.9	1.1
1964	4362	6827	5807	1.2	1.6
1965	3243	3881	4673	0.8	1.2
1966	2612	3962	4006	1.0	1.5
1967	5336	5089	7860	0.7	1.0
1968	9115	11109	13601	0.8	1.2
1969	12894	22282	20466	1.1	1.7
1970	12036	15877	18506	0.9	1.3
1971	12893	20013	21509	0.9	1.6
1972	13040	15983	22232	0.7	1.2
1973	10017	13926	19049	0.7	1.4
1974	12214	15215	23516	0.7	1.3
1975	13996	18916	25720	0.7	1.4
1976	15283	24541	28342	0.9	1.6
1977	14078	18615	25759	0.7	1.3
1978	16231	25938	29861	0.9	1.6
1979	16927	28280	30682	0.9	1.7
1980	15219	22770	26893	0.9	1.5
1981	10083	15857	18617	0.9	1.6
1982	8997	12383	15663	0.8	1.4
1983	9201	14949	18467	0.8	1.6
1984	8283	10921	15266	0.7	1.3
1985	7586	11466	14702	0.8	1.5

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

*Harvest numbers were estimated in 1961.

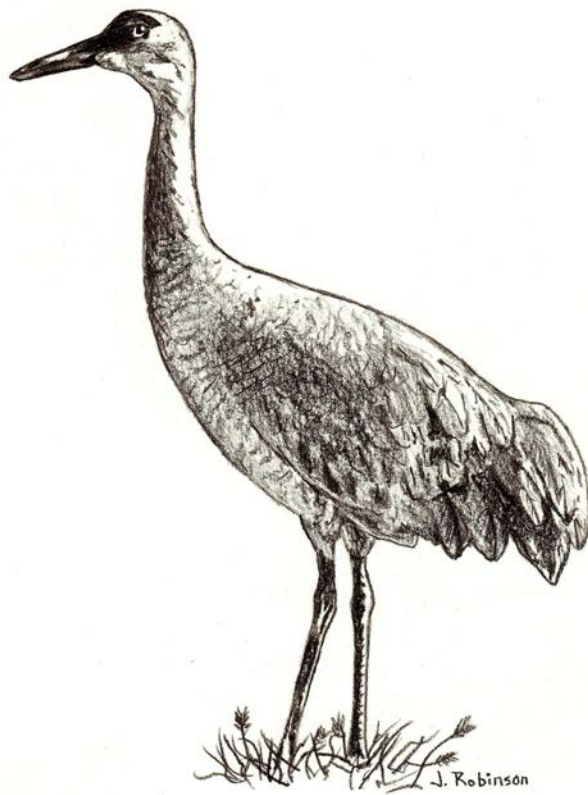
**Totals and indices are based on indiscrete data.

Statewide Greater sage-grouse harvest statistics, Utah 1951–2011 (cont.).

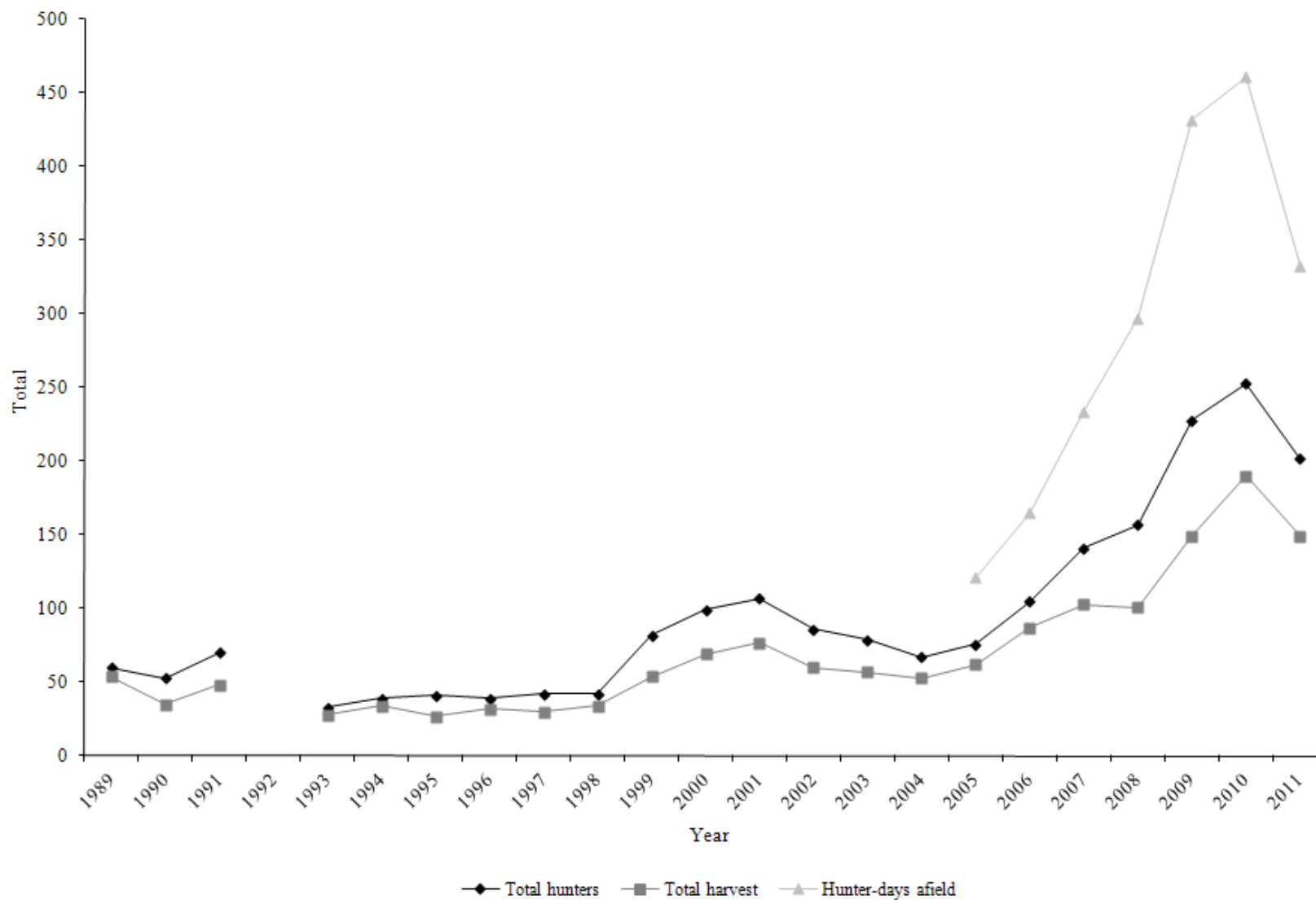
Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1986	7233	11766	13992	0.8	1.6
1987	7060	12673	14242	0.9	1.8
1988	8499	14692	19418	0.8	1.7
1989	9002	13710	19373	0.7	1.5
1990	9014	15784	20147	0.8	1.8
1991	8018	12542	18596	0.7	1.6
1992	7393	12156	15781	0.8	1.6
1993	6594	9311	14480	0.6	1.4
1994	5133	7084	10406	0.7	1.4
1995	5987	7133	12615	0.6	1.2
1996	5574	9220	13215	0.7	1.7
1997	4178	4489	10101	0.4	1.1
1998	3559	4676	8003	0.6	1.3
1999	4830	6503	10161	0.6	1.4
2000*	1456	1497	2829	0.5	1.0
2001	1242	1182	2552	0.5	1.0
2002	521	511	1120	0.5	1.0
2003	767	1017	1494	0.7	1.3
2004	1077	1361	1677	0.8	1.3
2005	1231	1744	1904	0.9	1.4
2006	1070	1498	1762	0.9	1.4
2007	1083	1255	1627	0.8	1.2
2008	838	857	1327	0.6	1.0
2009	628	702	1077	0.7	1.1
2010	650	802	1156	0.7	1.2
2011	429	441	749	0.6	1.0
Average (1951–2010)	5983	8902	13284	0.8	1.7
% change from previous year	-34	-45	-35	-15	-17
% change from average	-93	-95	-94	-23	-38

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

SANDHILL CRANE

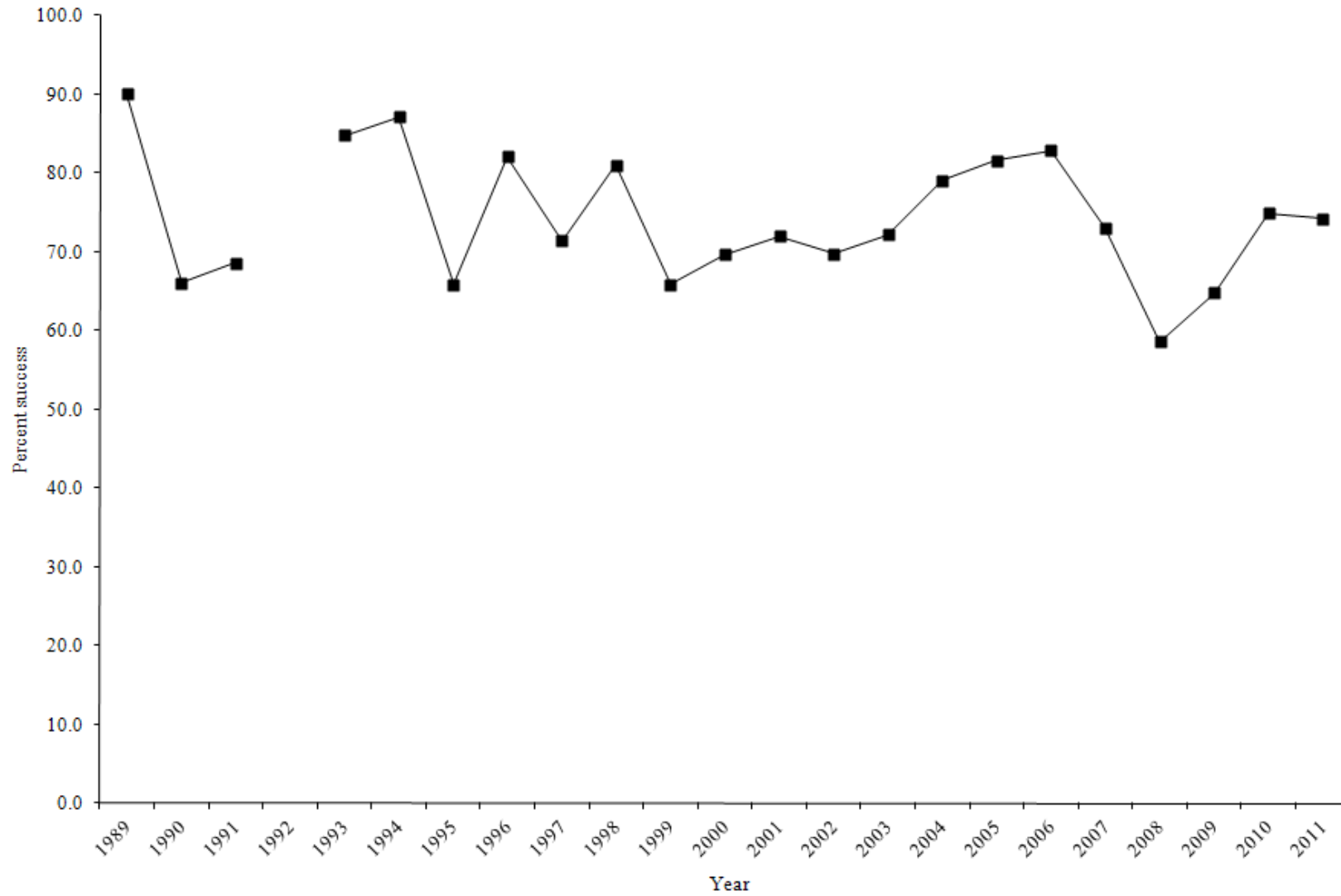


Statewide trends of sandhill crane harvest statistics, Utah 1989–2011.



* No permits were issued in 1992.

Statewide trends of sandhill crane hunter success, Utah 1989–2011.



*No permits were issued in 1992.

Sandhill crane harvest statistics by hunt area, Utah 2011.

Region and county	Total permits	n	Hunters afield	Hunter-days afield	Adult harvest	Young harvest	Total harvest	Crane / hunter-day	Percent success
Cache County	36	28	31	46	21	4	25	0.5	79.2
East Box Elder County	41	33	36	84	24	6	30	0.4	82.8
Rich County	27	21	26	32	15	1	16	0.5	65.0
Uintah County	138	109	109	171	63	15	78	0.5	72.1
Total	242	191	202	333	123	26	149	0.4	74.2

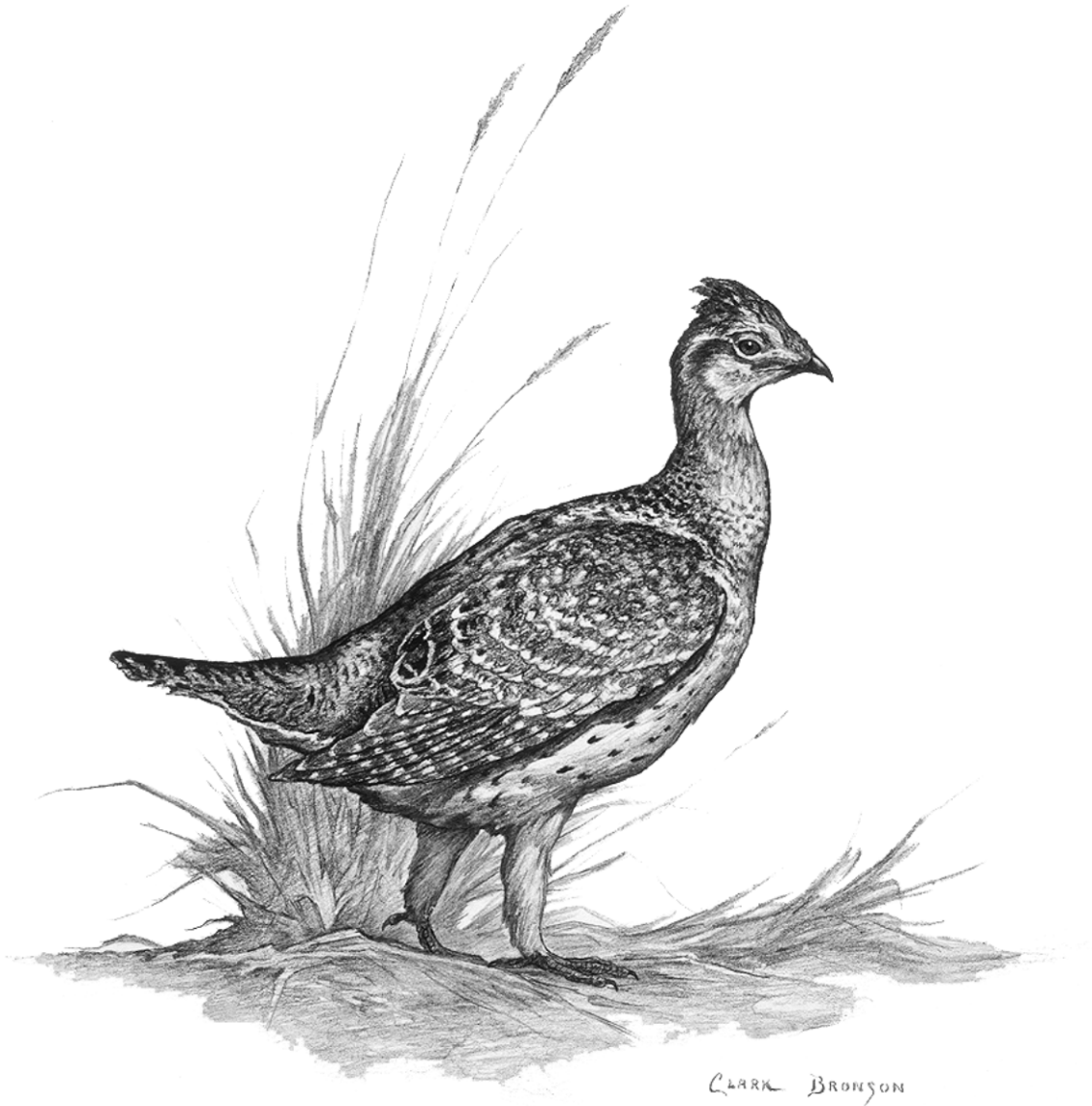
Statewide sandhill crane harvest statistics, Utah 1989–2011.

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	0.5	81.6
2006	137	105	75	12	87	165	0.5	82.9
2007	165	141	94	9	103	234	0.4	73.0
2008	213	157	91	9	101*	297	0.3	58.6
2009	271	228	128	19	149**	432	0.3	64.8
2010	301	253	164	26	190	461	0.4	74.9
2011	242	202	123	26	149	333	0.4	74.2
Average (1989–2010)	114	90	58	7	66	285	0.4	74.3
% change from previous year	-20	-20	-25	0	-22	-28	9	-1
% change from average	112	123	111	250	126	17	4	0

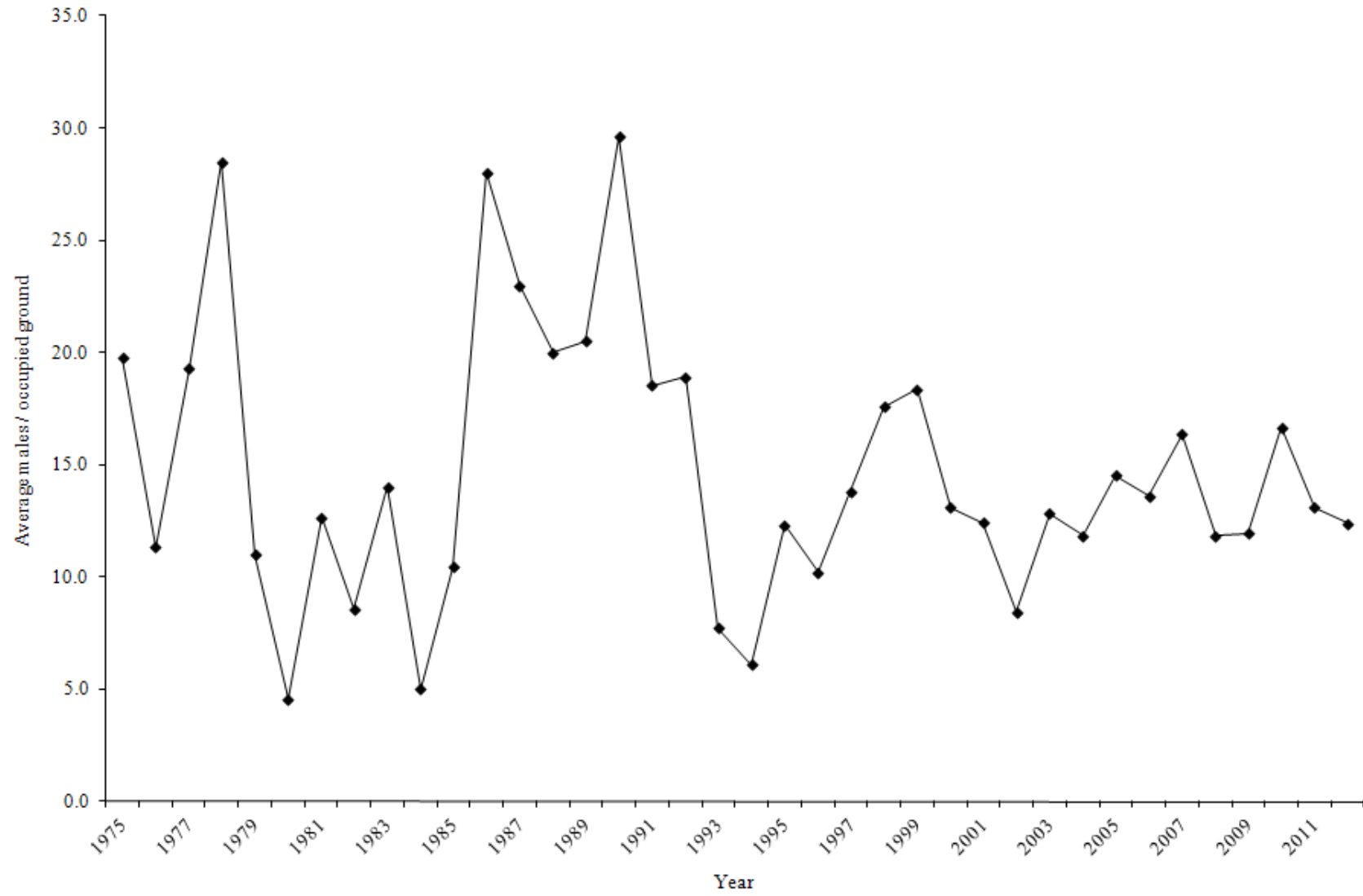
* One crane of unknown age

** Two cranes of unknown age

SHARP-TAILED GROUSE



Statewide trends of average sharp-tailed grouse males per occupied strutting ground, Utah 1975–2012.



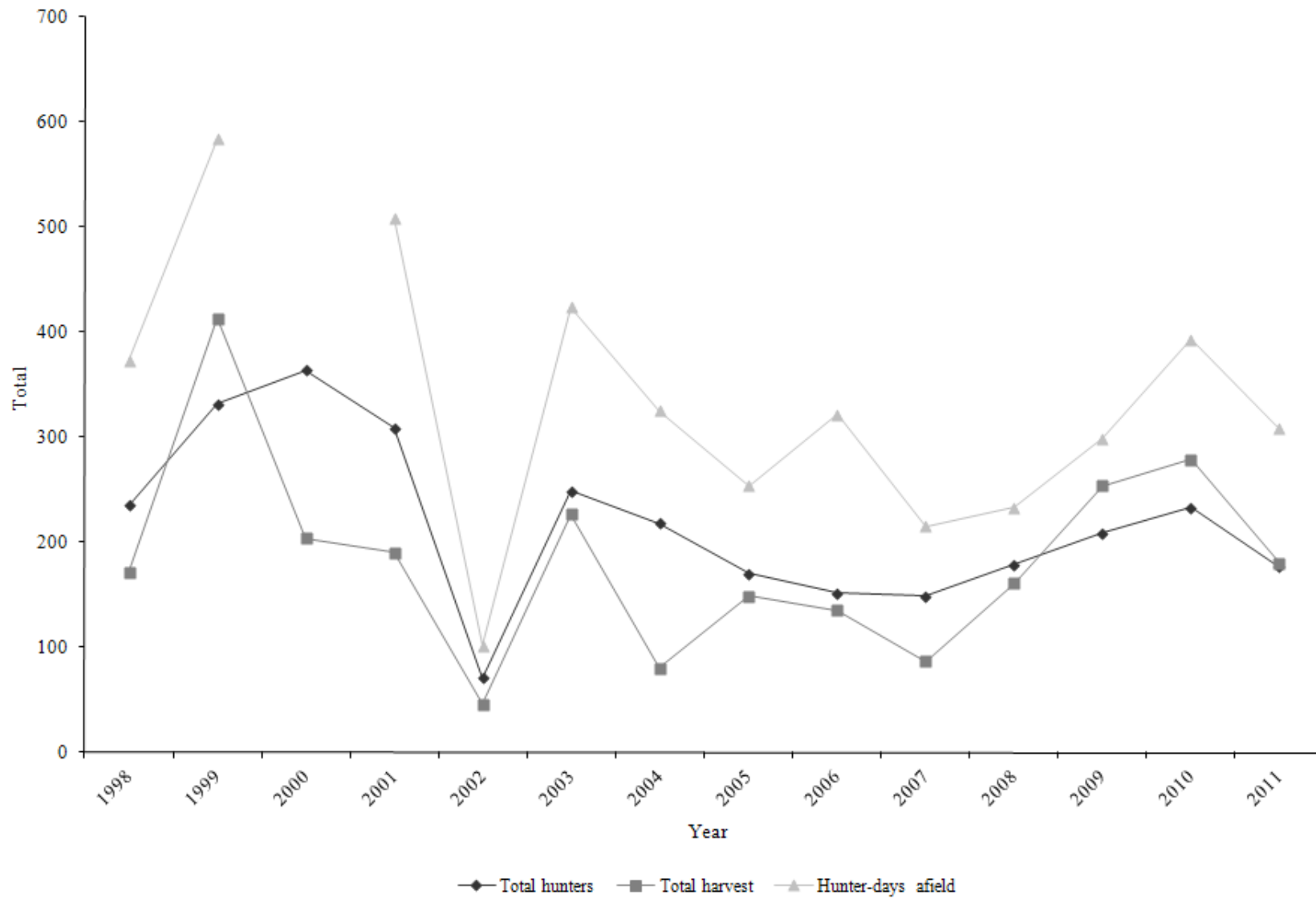
Strutting ground counts of sharp-tailed grouse by county, Utah 2003–2012.

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average (2003–2011)
Antelope Island											
Number of strutting grounds visited	—	—	—	—	—	—	—	—	1	1	1
Number of strutting grounds occupied	—	—	—	—	—	—	—	—	1	1	1
Total male grouse counted	—	—	—	—	—	—	—	—	7	5	7
Average males / occupied grounds	—	—	—	—	—	—	—	—	7.0	5.0	7.0
Box Elder											
Number of strutting grounds visited	53	58	53	52	56	45	72	63	58	61	57
Number of strutting grounds occupied	40	43	40	38	39	31	38	42	40	41	39
Total male grouse counted	491	479	546	468	604	373	449	660	500	503	508
Average males / occupied grounds	12.3	11.1	13.7	12.3	15.5	12.0	11.8	15.7	12.5	12.3	13.0
Cache											
Number of strutting grounds visited	18	23	19	21	19	22	19	13	9	12	18
Number of strutting grounds occupied	9	16	12	13	9	7	8	6	6	5	10
Total male grouse counted	137	226	195	227	182	85	109	122	83	79	152
Average males / occupied grounds	15.2	14.1	16.3	17.5	20.2	12.1	13.6	20.3	13.8	15.8	15.9
Morgan											
Number of strutting grounds visited	—	3	1	1	—	2	1	2	1	—	2
Number of strutting grounds occupied	—	3	1	1	—	1	1	2	1	—	1
Total male grouse counted	—	18	6	13	—	4	3	53	45	—	20
Average males / occupied grounds	—	6.0	6.0	13.0	—	4.0	3.0	26.5	45.0	—	14.8
Weber											
Number of strutting grounds visited	—	—	—	—	—	—	—	1	1	1	1
Number of strutting grounds occupied	—	—	—	—	—	—	—	1	1	1	1
Total male grouse counted	—	—	—	—	—	—	—	15	8	9	12
Average males / occupied grounds	—	—	—	—	—	—	—	15.0	8.0	9.0	11.5
Statewide total											
Number of strutting grounds visited	71	84	73	74	75	69	92	79	70	75	76
Number of strutting grounds occupied	49	62	53	52	48	39	47	51	49	48	50
Total male grouse counted	628	723	747	708	786	462	561	850	643	596	679
Average males / occupied grounds	12.8	11.7	14.1	13.6	16.4	11.8	11.9	16.7	13.1	12.4	13.6

Statewide trends of sharp-tailed grouse strutting ground counts, Utah 1975–2012.

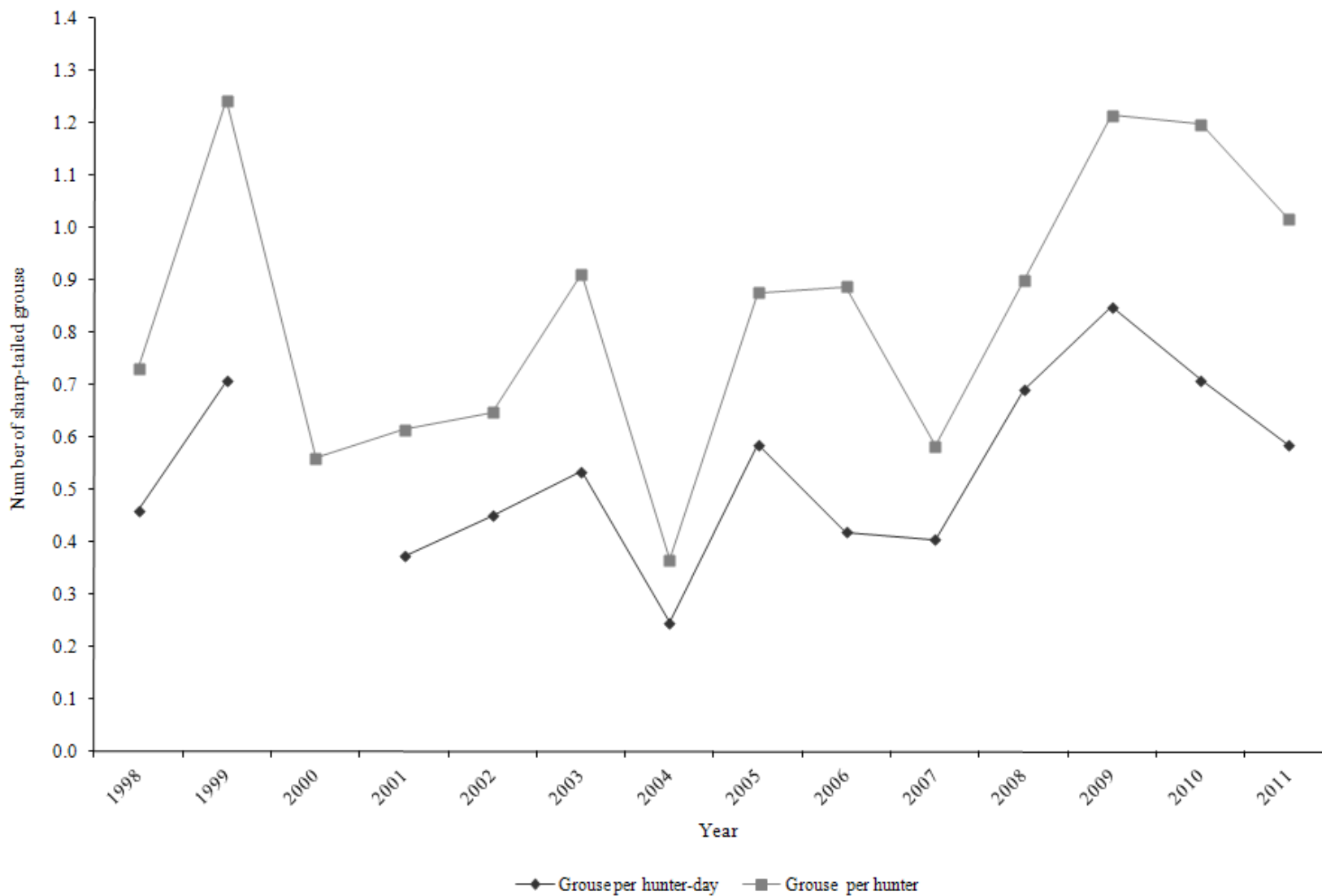
Year	Number of grounds visited	Number of occupied grounds	Total male grouse counted	Average male grouse / occupied ground
1975	4	4	79	19.8
1976	4	3	34	11.3
1977	8	7	135	19.3
1978	8	8	228	28.5
1979	17	17	187	11.0
1980	17	16	73	4.6
1981	15	15	190	12.7
1982	15	12	103	8.6
1983	7	7	98	14.0
1984	7	4	20	5.0
1985	9	9	94	10.4
1986	9	8	224	28.0
1987	10	10	230	23.0
1988	10	10	200	20.0
1989	10	10	205	20.5
1990	10	10	296	29.6
1991	26	26	482	18.5
1992	20	20	378	18.9
1993	14	14	108	7.7
1994	19	19	116	6.1
1995	12	3	37	12.3
1996	22	9	92	10.2
1997	8	5	69	13.8
1998	28	22	387	17.6
1999	45	42	772	18.4
2000	51	37	485	13.1
2001	43	21	261	12.4
2002	41	28	236	8.4
2003	76	49	628	12.8
2004	89	67	793	11.8
2005	78	58	842	14.5
2006	74	52	708	13.6
2007	75	48	786	16.4
2008	69	39	462	11.8
2009	92	47	561	11.9
2010	79	51	850	16.7
2011	70	49	643	13.1
2012	75	48	596	12.4
Average (1975–2011)	32.2	23.1	326.8	14.8

Statewide trends of sharp-tailed grouse harvest statistics, Utah 1998–2011.



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

Statewide trends of sharp-tailed grouse hunter success, Utah 1998–2011.



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

Sharp-tailed grouse harvest statistics by hunt area, Utah 2011.

Hunt area	Total permits	n	Hunters afield	Hunter-days afield	Grouse bagged	Grouse / hunter-day	Grouse / hunter	Percent success*
Box Elder County	240	113	159	274	170	0.6	1.1	60.0
Cache County	42	25	18	34	10	0.3	0.5	27.3
Total*	282	138	177	308	180	0.6	1.0	55.8

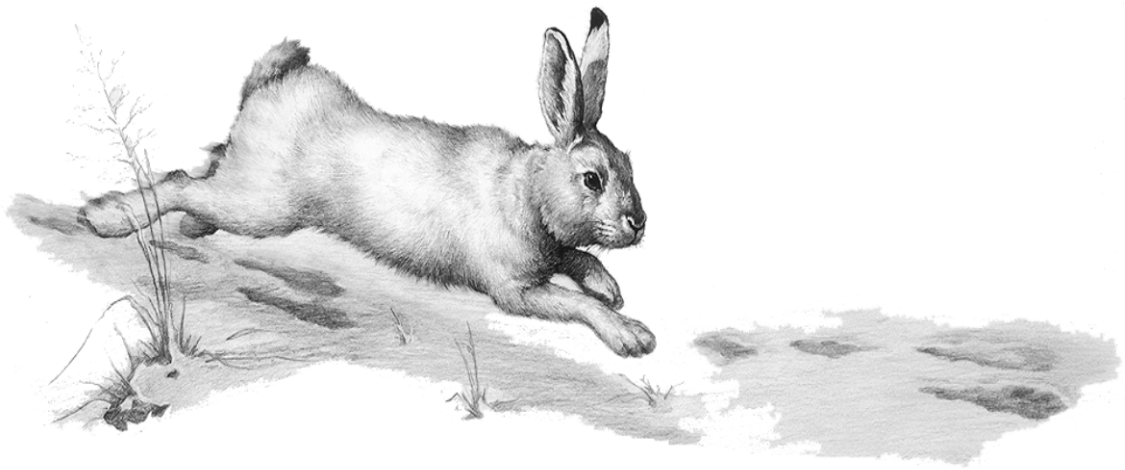
*Hunters could harvest 2 birds. Hunters were considered successful if they harvested at least 1 bird.

Statewide sharp-tailed grouse harvest statistics, Utah 1998–2011.

Year	Permits sold	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1998	378	235	172	373	0.5	0.7
1999	381	332	413	584	0.7	1.2
2000	663	364	204	—	—	0.6
2001	673	309	190	509	0.4	0.6
2002	143	71	46	102	0.5	0.6
2003	427	249	227	424	0.5	0.9
2004	350	218	80	325	0.2	0.4
2005	339	170	149	254	0.6	0.9
2006	329	152	135	322	0.4	0.9
2007	351	149	87	215	0.4	0.6
2008	318	179	161	233	0.7	0.9
2009	324	209	254	299	0.8	1.2
2010	333	233	279	393	0.7	1.2
2011	282	177	180	308	0.6	1.0
Average (1998–2010)	385	221	184	336	0.5	0.8
% change from previous year	-15	-24	-35	-22	-18	-15
% change from average	-27	-20	-2	-8	9	23

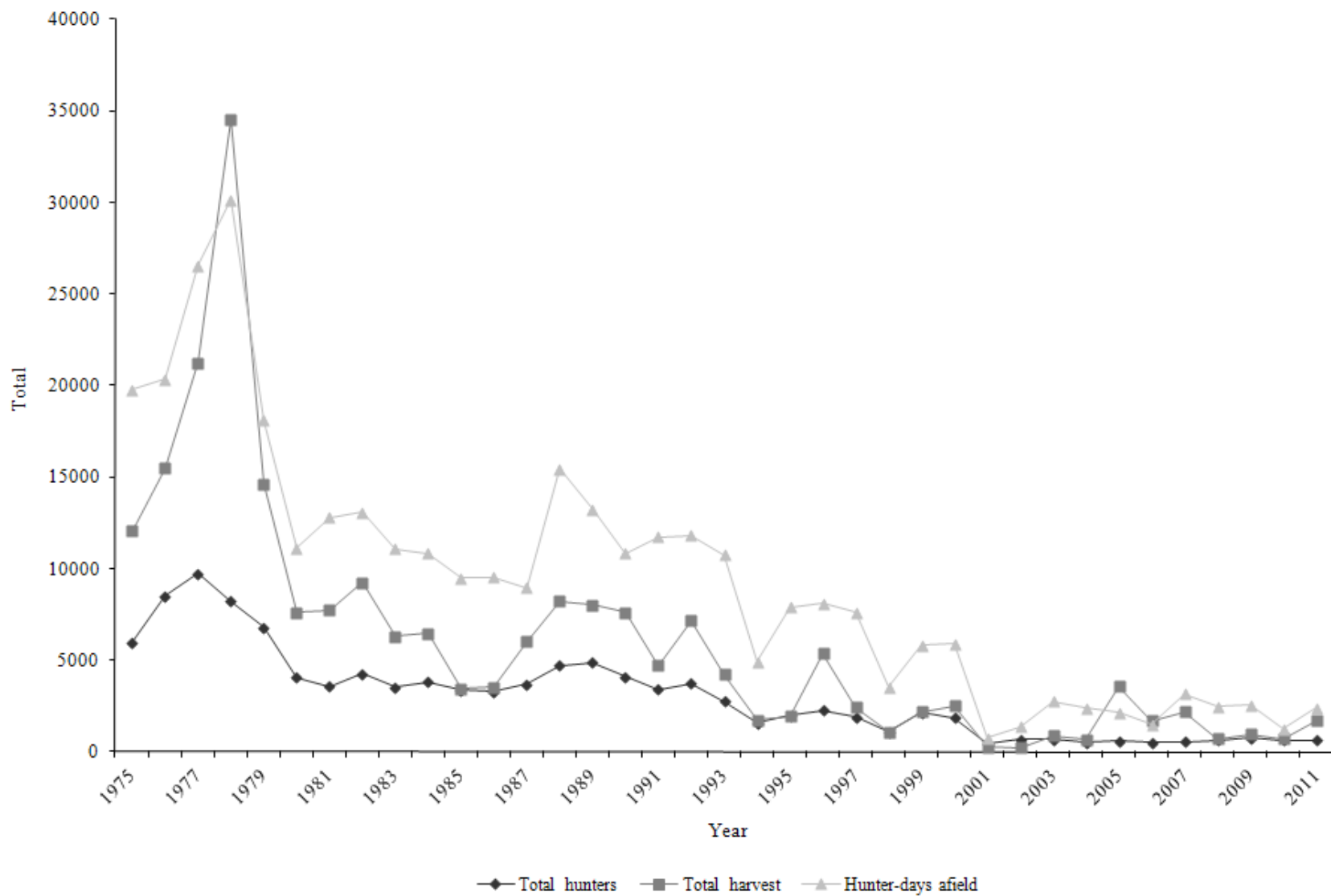
*Hunter-days afield data was not collected in 2000.

SNOWSHOE HARE

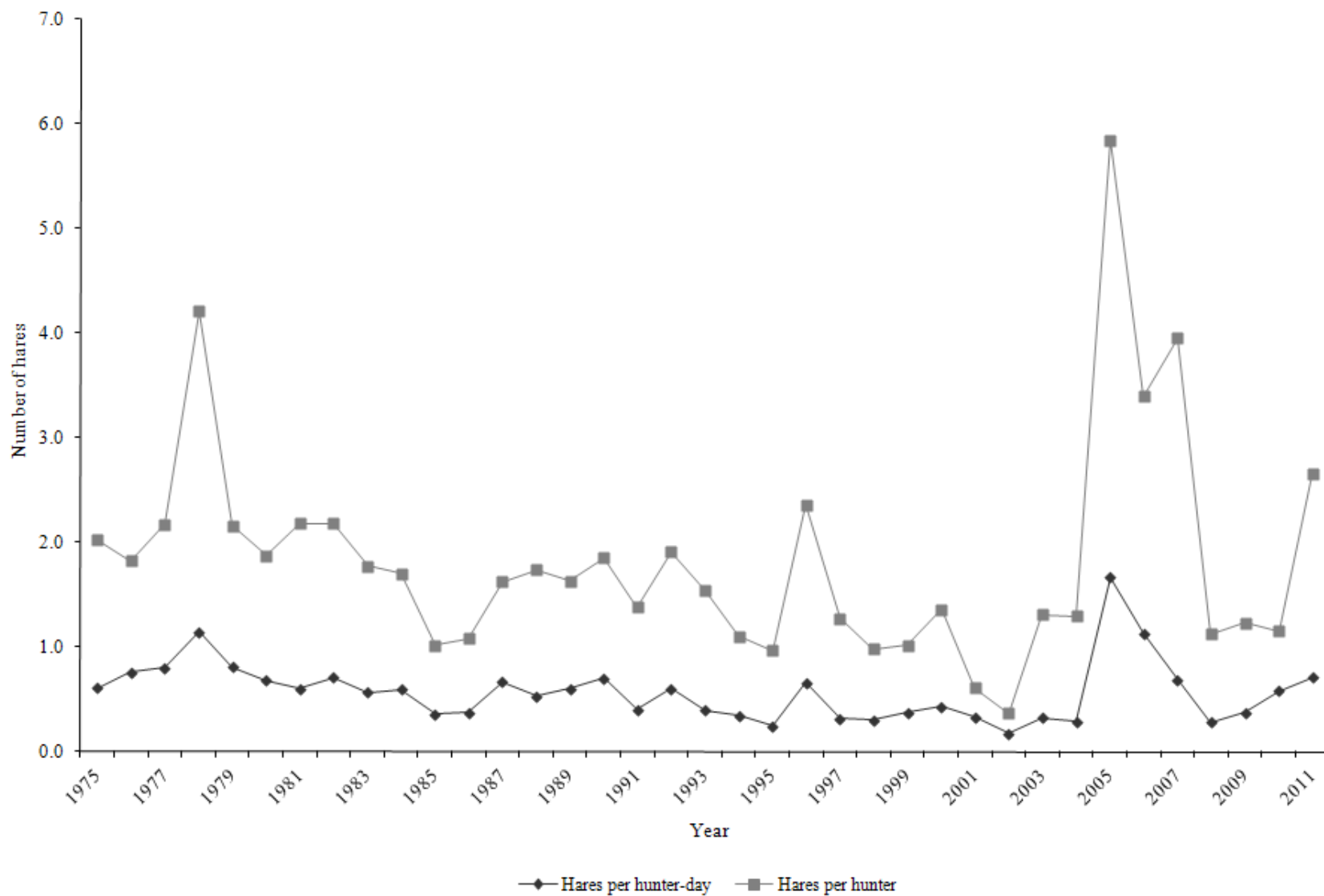


CLARK BRONSON

Statewide trends of snowshoe hare harvest statistics, Utah 1975–76 to 2011–12.



Statewide trends of snowshoe hare hunter success, Utah 1975–76 to 2011–12.



Snowshoe hare harvest statistics by region and county, Utah 2011–12.

Region and county	n	Hunters afield	Hunter-days afield	Hares bagged	Hares / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	13	121	193	685	3.5	8.2	40.7
Cache	7	65	234	270	1.2	9.9	16.0
Davis	1	9	102	0	0.0	4.3	0.0
Morgan	0	—	—	—	—	—	—
Rich	2	19	20	0	0.0	0.9	0.0
Summit	8	75	163	166	1.0	6.9	9.9
Weber	2	19	41	21	0.5	1.7	1.2
Regional total	33	308	753	1142	1.5	31.8	67.9
Central Region							
Juab	1	9	10	42	4.2	0.4	2.5
Salt Lake	3	28	91	0	0.0	3.9	0.0
Sanpete	1	9	10	0	0.0	0.4	0.0
Tooele	3	28	142	228	1.6	6.0	13.6
Utah	4	37	122	104	0.9	5.2	6.2
Wasatch	6	56	132	0	0.0	5.6	0.0
Regional total	18	167	507	374	0.7	21.5	22.2
Southern Region							
Beaver	0	—	—	—	—	—	—
Garfield	1	9	10	0	0.0	0.4	0.0
Iron	2	19	142	21	0.1	6.0	1.2
Kane	0	—	—	—	—	—	—
Millard	0	—	—	—	—	—	—
Piute	0	—	—	—	—	—	—
Sevier	1	9	20	0	0.0	0.9	0.0
Washington	0	—	—	—	—	—	—
Wayne	1	9	20	0	0.0	0.9	0.0
Regional total	5	46	192	21	0.1	8.2	1.2
Northeastern Region							
Daggett	1	9	10	21	2.1	0.4	1.2
Duchesne	5	47	396	21	0.1	16.7	1.2
Uintah	3	28	142	0	0.0	6.0	0.0
Regional total	9	84	548	42	0.1	23.2	2.5
Southeastern Region							
Carbon	0	—	—	—	—	—	—
Emery	1	9	10	0	0.0	0.4	0.0
Grand	0	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—
Regional total	1	9	10	0	0.0	0.4	0.0
Unknown	6	56	356	104	0.3	15.0	6.2
Statewide total*	68	634	2368	1682	0.7	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 1975–76 to 2011–12.

Year	Total hunters	Total harvest	Hunter-days afield	Hares / hunter-day	Hares / hunter
1975–76	5961	12072	19770	0.6	2.0
1976–77	8502	15500	20367	0.8	1.8
1977–78	9752	21232	26535	0.8	2.2
1978–79	8205	34535	30155	1.1	4.2
1979–80	6787	14641	18115	0.8	2.2
1980–81	4048	7603	11140	0.7	1.9
1981–82	3554	7750	12782	0.6	2.2
1982–83	4245	9257	13073	0.7	2.2
1983–84	3544	6302	11088	0.6	1.8
1984–85	3796	6455	10840	0.6	1.7
1985–86	3365	3429	9494	0.4	1.0
1986–87	3277	3544	9541	0.4	1.1
1987–88	3702	6005	8947	0.7	1.6
1988–89	4725	8231	15444	0.5	1.7
1989–90	4895	8006	13233	0.6	1.6
1990–91	4095	7593	10825	0.7	1.9
1991–92	3427	4731	11742	0.4	1.4
1992–93	3732	7144	11836	0.6	1.9
1993–94	2755	4237	10774	0.4	1.5
1994–95	1565	1722	4922	0.3	1.1
1995–96	1983	1924	7891	0.2	1.0
1996–97	2276	5365	8106	0.7	2.4
1997–98	1912	2431	7628	0.3	1.3
1998–99	1093	1070	3536	0.3	1.0
1999–00	2139	2173	5831	0.4	1.0
2000–01	1855	2526	5879	0.4	1.4
2001–02	417	256	768	0.3	0.6
2002–03	658	240	1348	0.2	0.4
2003–04	686	897	2747	0.3	1.3
2004–05	525	681	2377	0.3	1.3
2005–06	612	3580	2142	1.7	5.8
2006–07	496	1683	1485	1.1	3.4
2007–08	550	2175	3149	0.7	4.0
2008–09	619	696	2489	0.3	1.1

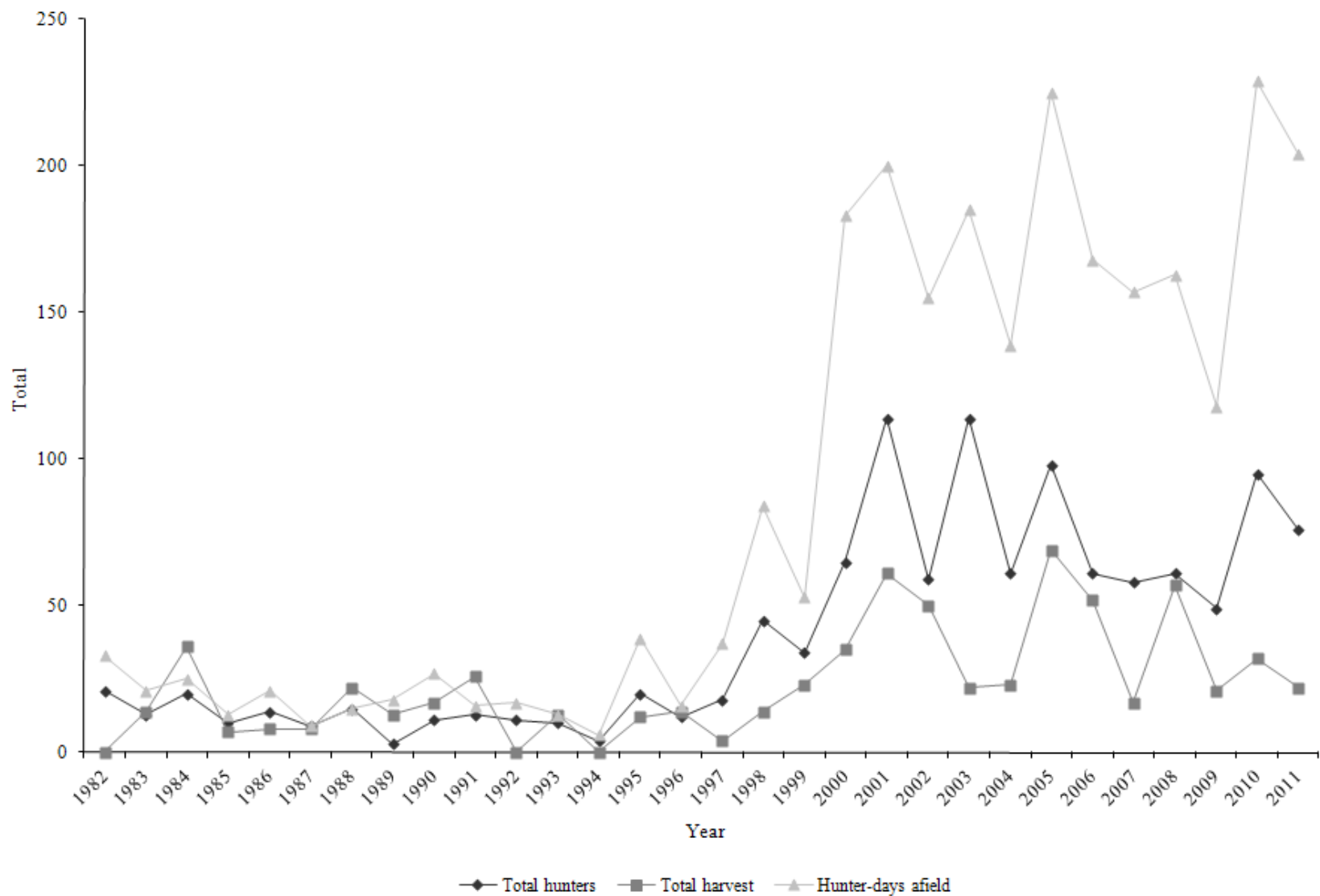
Statewide snowshoe hare harvest statistics, Utah 1975–76 to 2011–12 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Hares / hunter-day	Hares / hunter
2009–10	766	944	2532	0.4	1.2
2010–11	631	726	1243	0.6	1.2
2011–12	634	1682	2368	0.7	2.7
Average (1975–2011)	3088	6038	9438	0.6	1.8
% change from previous year	0	132	91	22	131
% change from average	-79	-72	-75	25	46

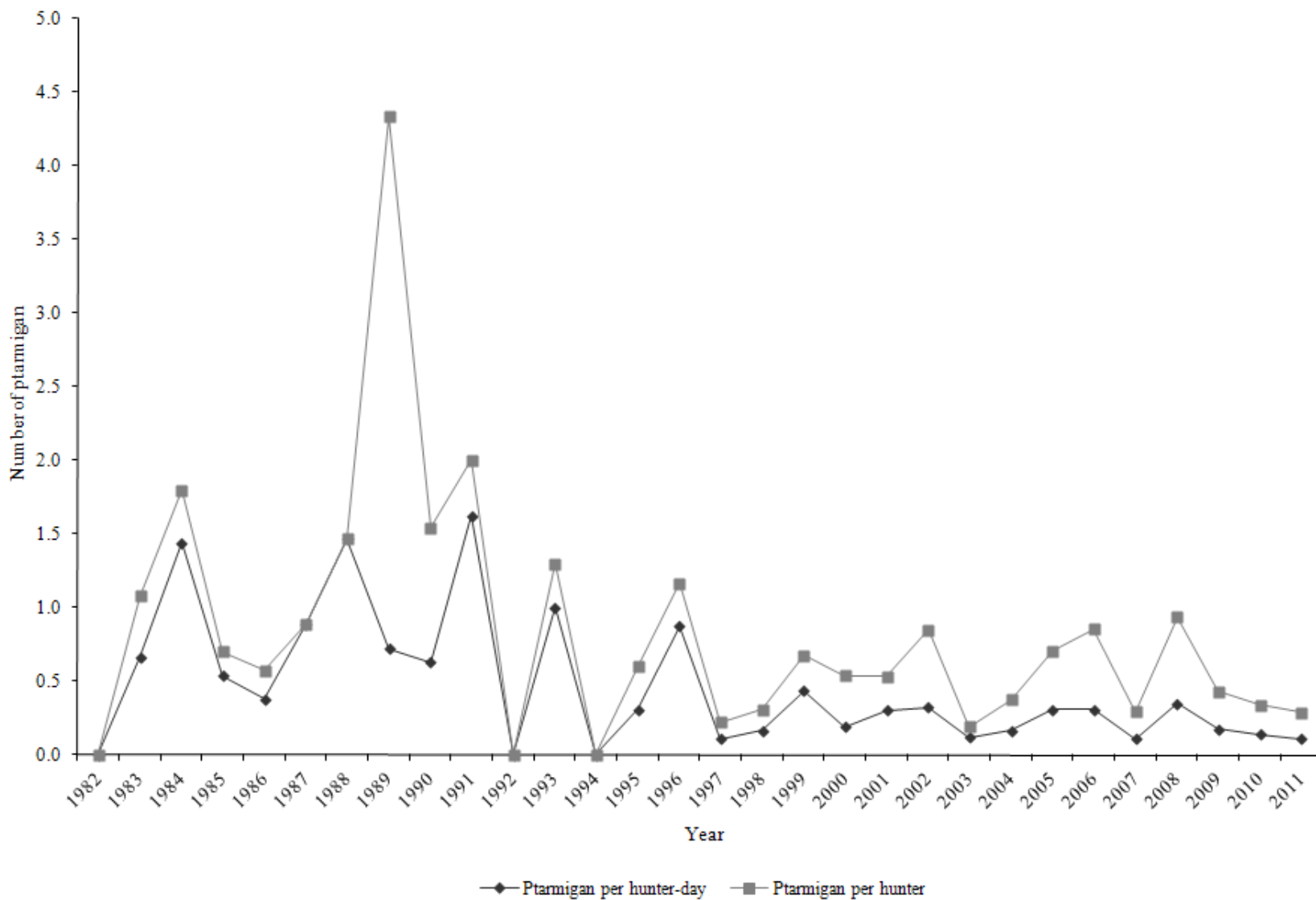
WHITE-TAILED PTARMIGAN



Statewide trends of white-tailed ptarmigan harvest statistics, Utah 1982–2011.



Statewide trends of white-tailed ptarmigan hunter success, Utah 1982–2011.



White-tailed ptarmigan harvest statistics by region and county, Utah 2011.

Region and county	n	Hunters afield	Hunter-days afield	Ptarmigan bagged	Ptarmigan / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	0	—	—	—	—	—	—
Cache	0	—	—	—	—	—	—
Davis	0	—	—	—	—	—	—
Morgan	0	—	—	—	—	—	—
Rich	0	—	—	—	—	—	—
Summit	12	24	74	4	0.1	36.3	18.2
Weber	0	—	—	—	—	—	—
Regional total	12	24	74	4	0.1	36.3	18.2
Central Region							
Juab	0	—	—	—	—	—	—
Salt Lake	0	—	—	—	—	—	—
Sanpete	0	—	—	—	—	—	—
Tooele	0	—	—	—	—	—	—
Utah	0	—	—	—	—	—	—
Wasatch	0	—	—	—	—	—	—
Regional total	0	—	—	—	—	—	—
Southern Region							
Beaver	1	2	6	0	0.0	2.9	0.0
Garfield	0	—	—	—	—	—	—
Iron	0	—	—	—	—	—	—
Kane	0	—	—	—	—	—	—
Millard	0	—	—	—	—	—	—
Piute	0	—	—	—	—	—	—
Sevier	0	—	—	—	—	—	—
Washington	0	—	—	—	—	—	—
Wayne	0	—	—	—	—	—	—
Regional total	1	2	6	0	0.0	2.9	0.0
Northeastern Region							
Daggett	2	4	8	0	0.0	3.9	0.0
Duchesne	8	16	42	0	0.0	20.6	0.0
Uintah	14	28	62	8	0.1	30.4	36.4
Regional total	24	48	112	8	0.1	54.9	36.4
Southeastern Region							
Carbon	0	—	—	—	—	—	—
Emery	0	—	—	—	—	—	—
Grand	0	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—
Regional total	0	—	—	—	—	—	—
Unknown	2	4	12	10	0.8	5.9	45.5
Statewide total**	38	76	204	22	0.1	100.0	100.0

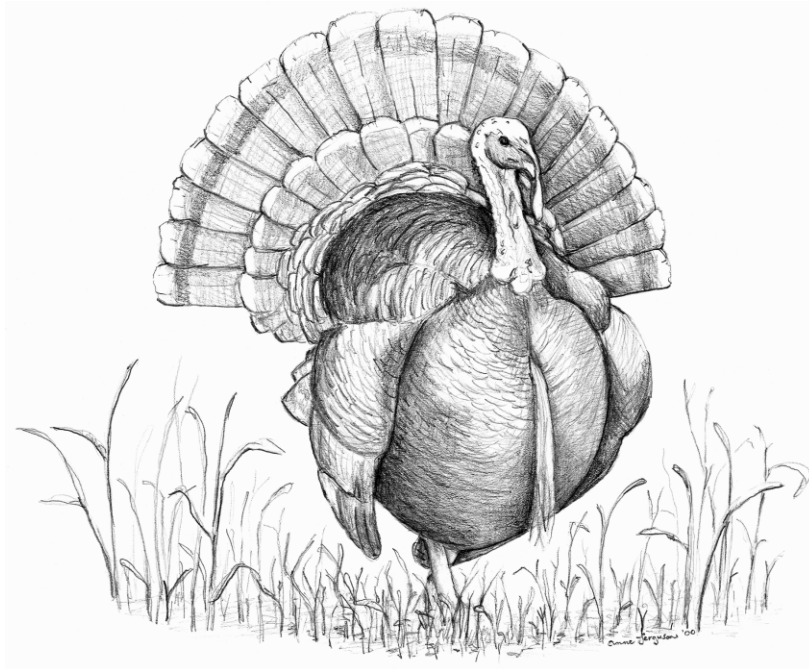
*White-tailed ptarmigan are typically found in high elevation areas in Daggett, Duchesne, Summit, and Uintah counties.

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

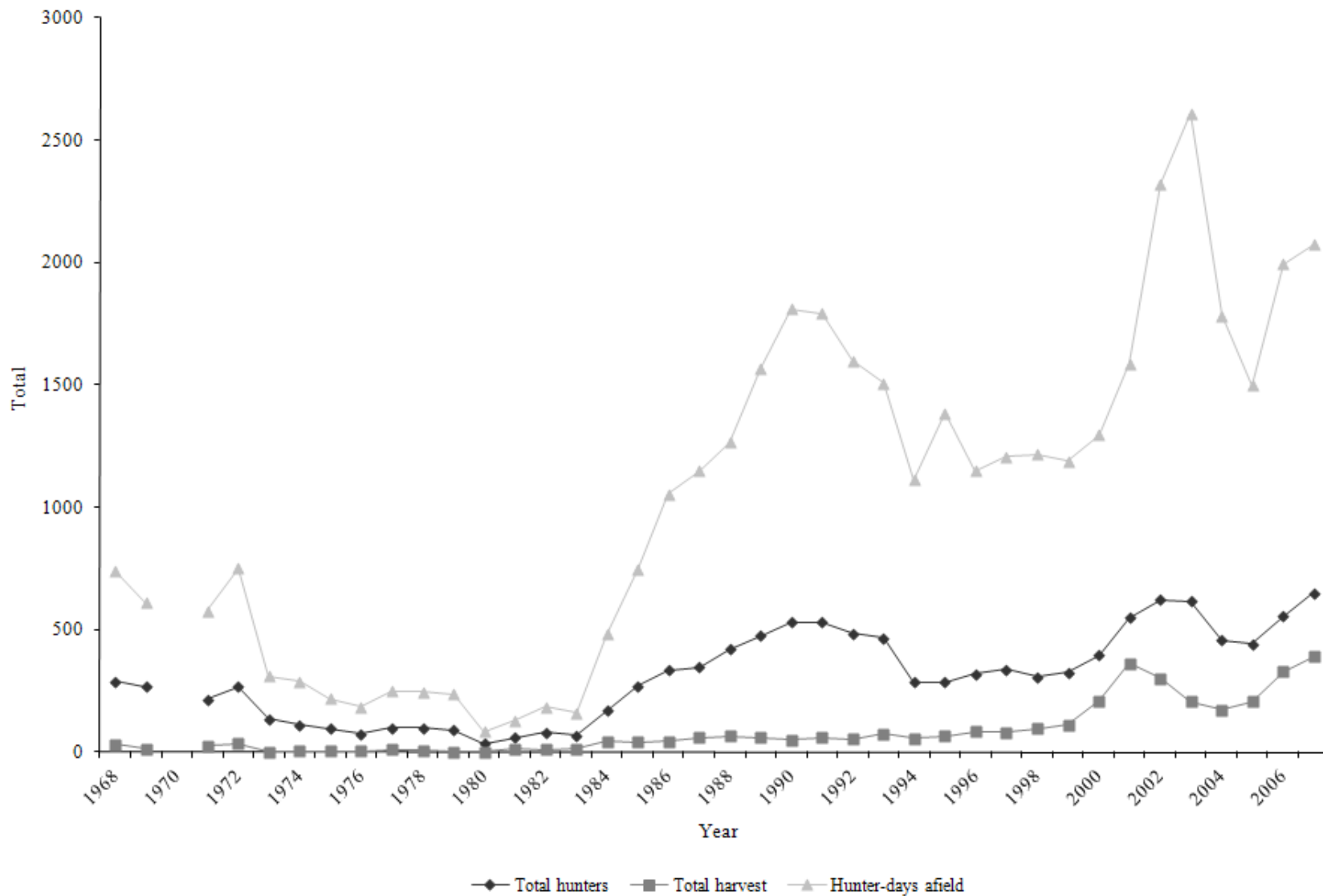
Statewide white-tailed ptarmigan harvest statistics, Utah 1982–2011.

Year	Total hunters	Total harvest	Hunter-days afield	Ptarmigan / hunter-day	Ptarmigan / hunter
1982	21	0	33	0.0	0.0
1983	13	14	21	0.7	1.1
1984	20	36	25	1.4	1.8
1985	10	7	13	0.5	0.7
1986	14	8	21	0.4	0.6
1987	9	8	9	0.9	0.9
1988	15	22	15	1.5	1.5
1989	3	13	18	0.7	4.3
1990	11	17	27	0.6	1.5
1991	13	26	16	1.6	2.0
1992	11	0	17	0.0	0.0
1993	10	13	13	1.0	1.3
1994	4	0	6	0.0	0.0
1995	20	12	39	0.3	0.6
1996	12	14	16	0.9	1.2
1997	18	4	37	0.1	0.2
1998	45	14	84	0.2	0.3
1999	34	23	53	0.4	0.7
2000	65	35	183	0.2	0.5
2001	114	61	200	0.3	0.5
2002	59	50	155	0.3	0.8
2003	114	22	185	0.1	0.2
2004	61	23	139	0.2	0.4
2005	98	69	225	0.3	0.7
2006	61	52	168	0.3	0.9
2007	58	17	157	0.1	0.3
2008	61	57	163	0.3	0.9
2009	49	21	118	0.2	0.4
2010	95	32	229	0.1	0.3
2011	76	22	204	0.1	0.3
Average (1982–2010)	39	23	82	0.5	0.9
% change from previous year	-20	-31	-11	-23	-14
% change from average	97	-5	148	-77	-66

WILD TURKEY



Statewide trends of spring Merriam’s wild turkey harvest statistics, Utah 1968–2007.

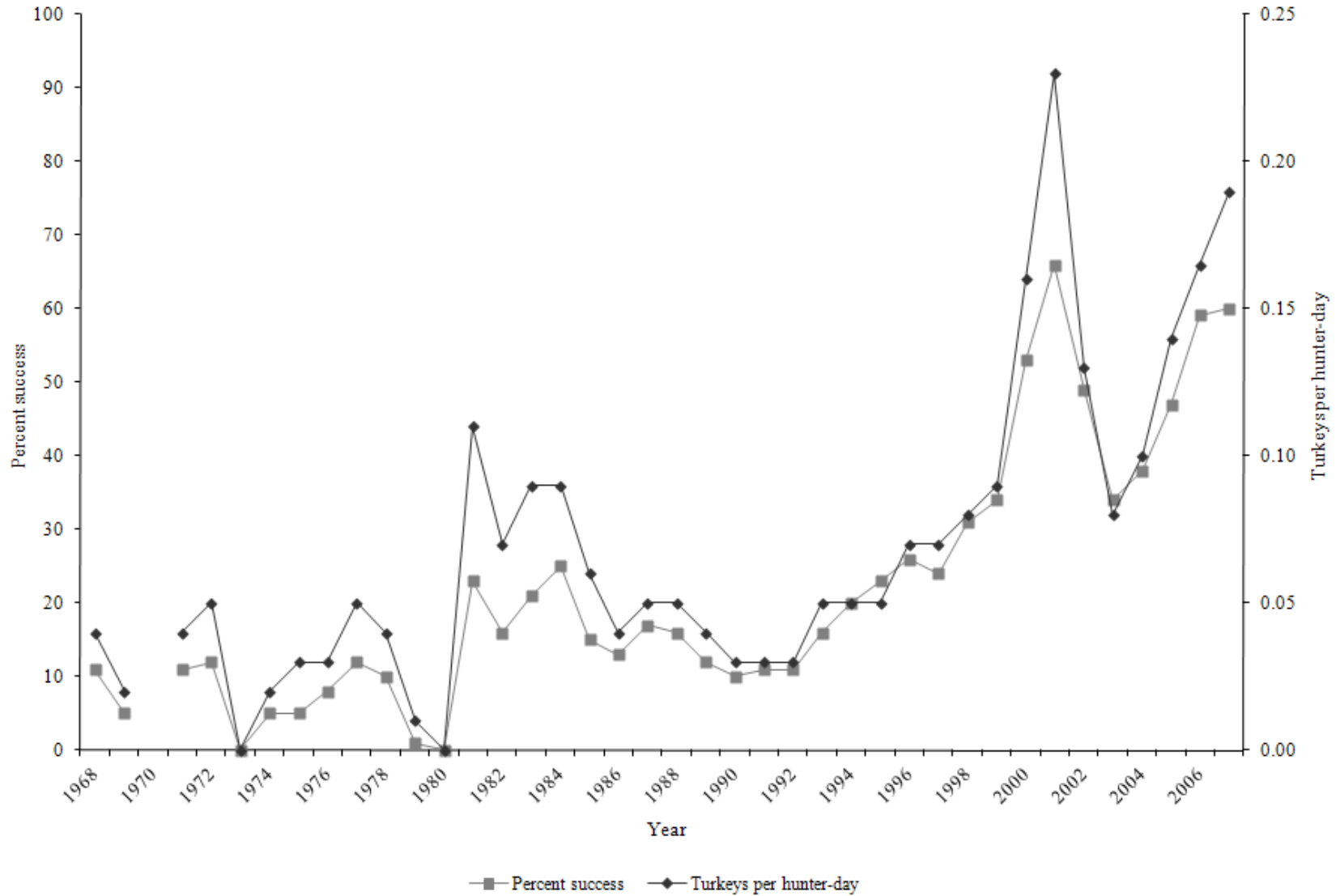


*No spring season in 1970.

**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.

Statewide Merriam's wild turkey spring season harvest statistics, Utah 1968–2007.

Year	Permits sold	Total hunters	Total harvest	Hunter-days afield	Percent 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	1054	13	0.04	57
1987	384	347	60	1150	17	0.05	57
1988	490	421	66	1267	16	0.05	50
1989	527	477	59	1568	12	0.04	55
1990	579	531	52	1812	10	0.03	51
1991	587	532	59	1792	11	0.03	49
1992	538	484	53	1599	11	0.03	45

*No spring season in 1970.

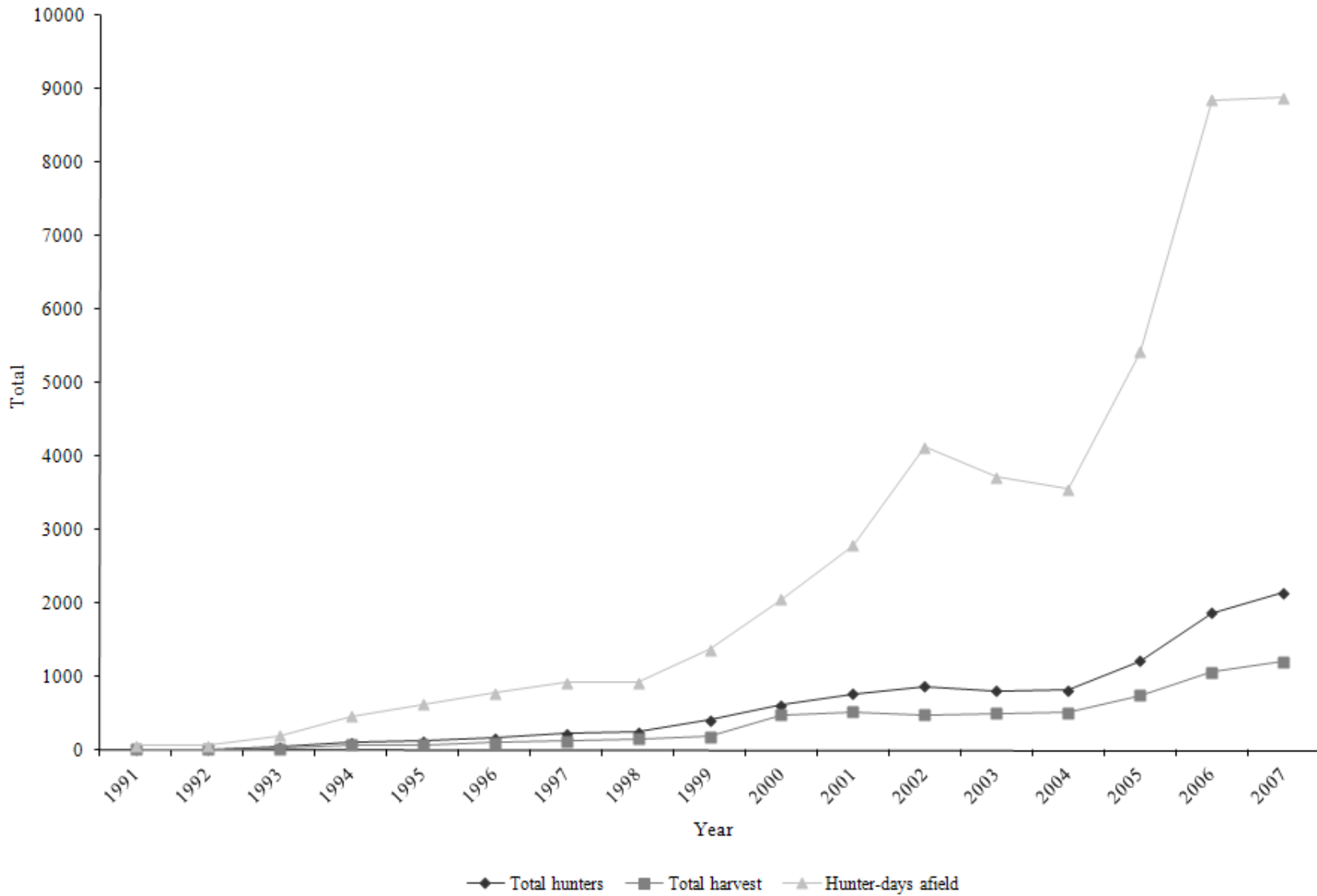
Statewide Merriam's wild turkey spring season harvest statistics, Utah 1968–2007 (cont.).

Year	Permits sold	Total hunters	Total harvest	Hunter-days afield	Percent success	Turkeys / hunter-day	% of hunters observing turkeys
1993	500	466	74	1508	16	0.05	54
1994	335	285	57	1112	20	0.05	—
1995	335	287	65	1386	23	0.05	40
1996	355	320	84	1151	26	0.07	78
1997	362	339	81	1208	24	0.07	87
1998	358	309	95	1218	31	0.08	18
1999	355	327	111	1188	34	0.09	84
2000	431	396	211	1297	53	0.16	77
2001	569	548	362	1586	66	0.23	90
2002*	689	622	303	2322	49	0.13	—
2003	660	617	207	2611	34	0.08	—
2004	493	459	173	1783	38	0.10	88
2005**	561	441	208	1497	47	0.14	88
2006	633	556	329	1994	59	0.16	93
2007	713	649	390	2073	60	0.19	93
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

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

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

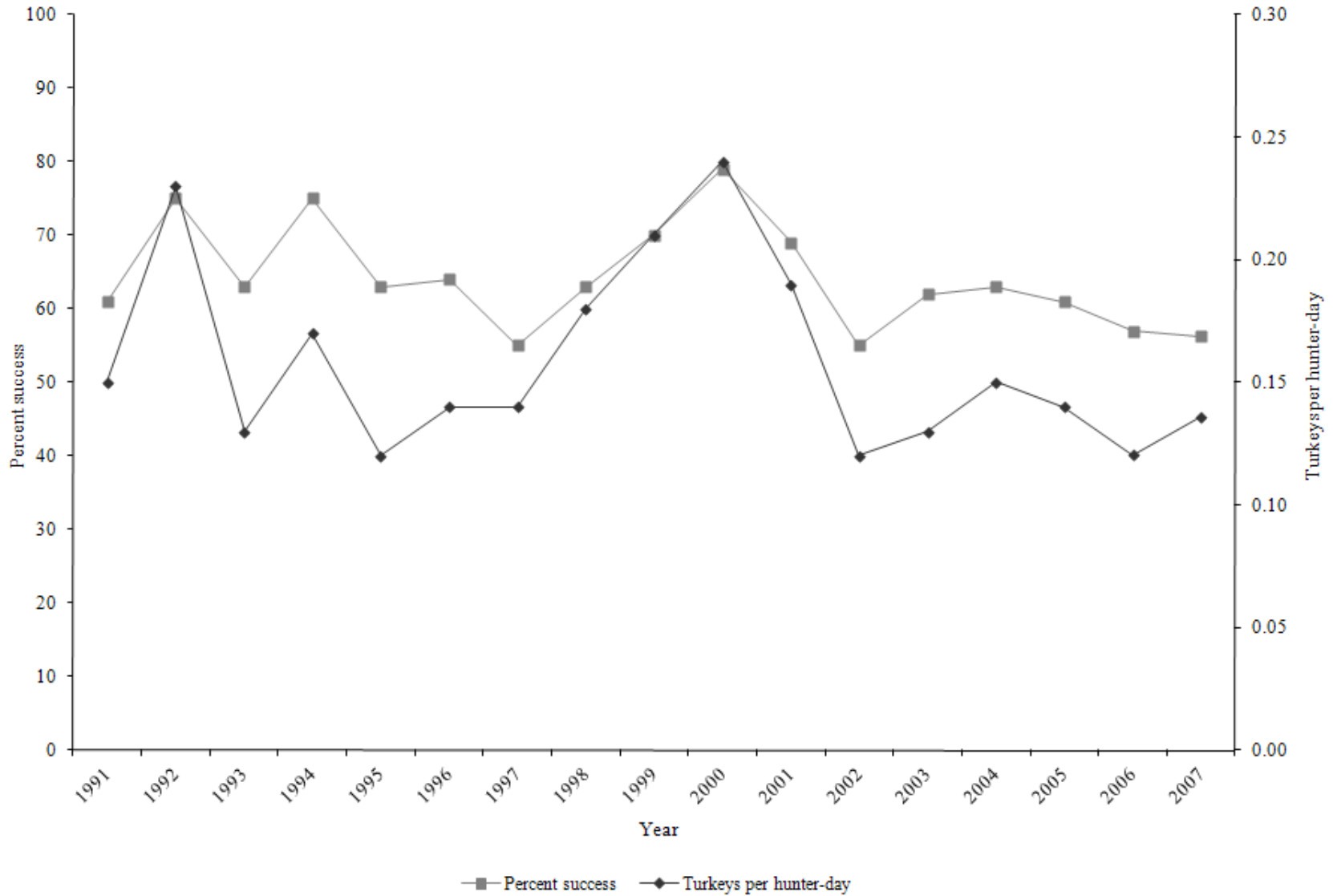
Statewide trends of spring Rio Grande wild turkey harvest statistics, Utah 1991–2007.



*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.

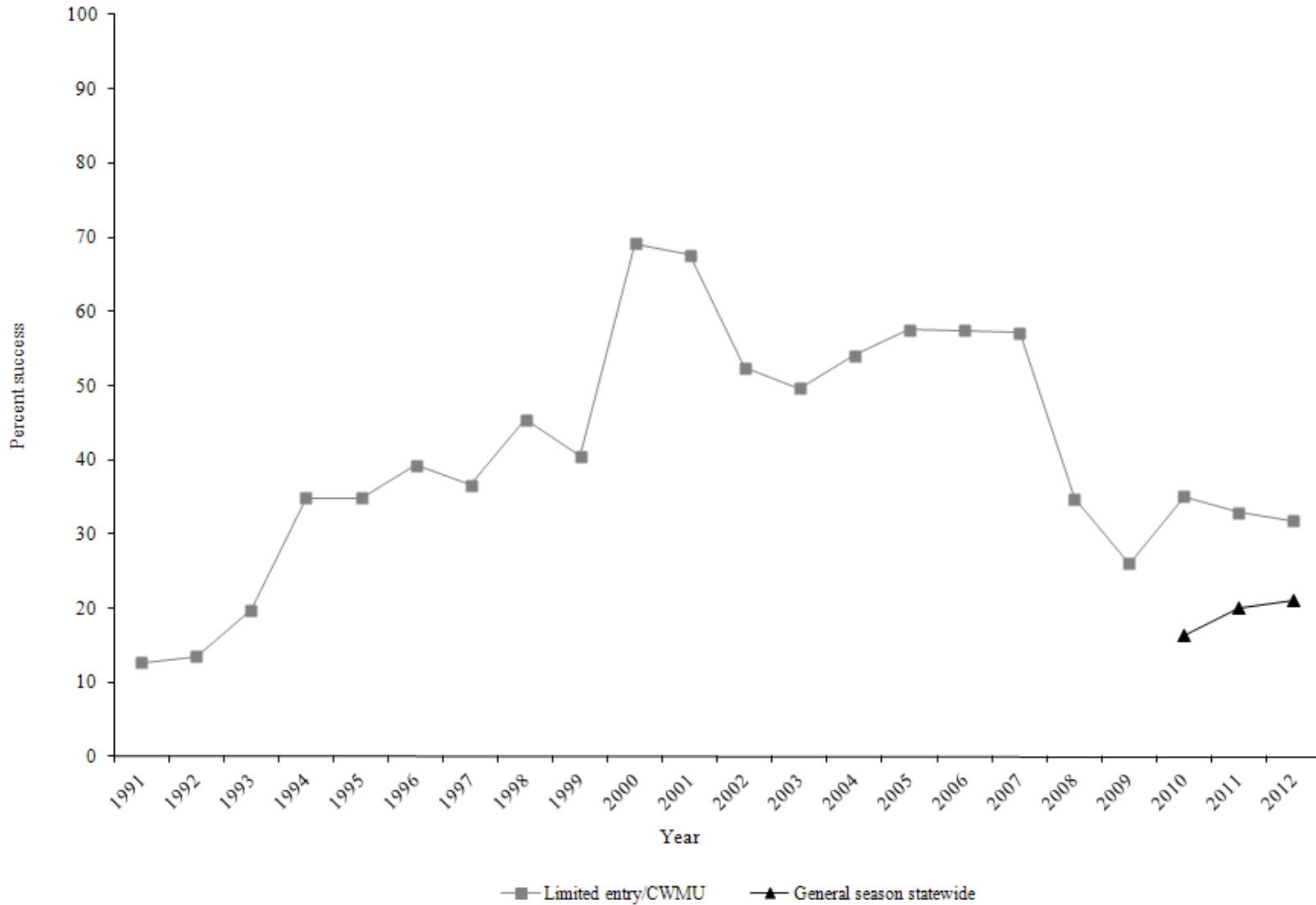
Statewide Rio Grande wild turkey harvest statistics, Utah 1991–2007.

Year	Permits sold	Total hunters	Total harvest	Hunter-days afield	Percent 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	1373	70	0.21	90
2000	631	615	488	2052	79	0.24	62
2001	812	769	529	2791	69	0.19	91
2002*	952	876	482	4131	55	0.12	—
2003	868	810	501	3720	62	0.13	—
2004	879	820	518	3559	63	0.15	96
2005**	1435	1215	745	5428	61	0.14	92
2006	2031	1873	1067	8852	57	0.12	94
2007	2304	2150	1210	8887	56	0.14	97
Average (1991–2006)	563	522	320	2247	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.

Statewide trends of limited entry/CWMU and general season statewide wild turkey hunter success, Utah 1991–2012.



*2002–2004 limited entry data does not include conservation permit information.
 **2005 limited entry data does not include conservation permit or landowner permit information.

Statewide limited entry/CWMU wild turkey harvest statistics, Utah 1991–2012.

Year	Permits sold	Total hunters	Total harvest	Turkeys / hunter-day	Percent success
1991	607	550	70	0.0	12.7
1992	559	504	68	0.0	13.5
1993	542	507	100	0.1	19.7
1994	440	390	136	0.1	34.9
1995	470	410	143	0.1	34.9
1996	529	486	191	0.1	39.3
1997	602	568	208	0.1	36.6
1998	621	563	256	0.1	45.5
1999	753	740	300	0.1	40.5
2000	1062	1011	699	0.2	69.1
2001	1381	1317	891	0.2	67.7
2002*	1641	1498	785	0.1	52.4
2003	1528	1427	708	0.1	49.6
2004	1372	1279	691	0.1	54.0
2005**	1996	1656	953	0.1	57.5
2006	2664	2429	1396	0.1	57.5
2007	3017	2799	1600	0.1	57.2
2008	7858	6831	2374	0.1	34.8
2009	13608	11138	2770	0.0	26.0
2010	3055	2640	925	—	35.0
2011	3104	2629	865	—	32.9
2012	3035	2594	824	—	31.8
Average (1991–2011)	2258	1970	768	0.1	41.5
% change from previous year	-2	-1	-5	—	-23

*2002–2004 do not include conservation permit information.

**Does not include conservation permit or landowner permit information.

Statewide general season wild turkey harvest statistics, Utah 2010–2012.

Year	Permits sold	Total hunters	Total harvest	Percent success
2010	10118	8301	1363	16.4
2011	6528	5662	1136	20.1
2012	5275	4506	953	21.1
Average (1991–2011)	8323	6982	1250	18.2
% change from previous year	-19	-20	-16	5
% change from average	-37	-35	-24	16

Wild turkey harvest statistics by hunt, Utah 2011.

Hunt	Total permits	n	Hunters afield	Total harvest	Days afield public land	Days afield private land	Percent success
Limited entry central region	620	398	550	186	2450	305	33.3
Limited entry northeastern region	316	202	268	102	876	599	37.7
Limited entry northern region	505	347	439	149	1270	892	33.7
Limited entry southeastern region	305	203	250	82	947	202	32.5
Limited entry southern region	1349	766	1117	344	4328	915	30.7
General season statewide	6528	2595	5662	1136	23256	7010	20.1
Broadmouth CWMU	1	1	1	1	—	7	100.0
Castle Valley Outdoors CWMU	1	1	1	1	—	3	100.0
Missouri Flat CWMU	5	3	3	0	—	9	0.0
Redd Ranches CWMU	2	0	—	—	—	—	—

Wild turkey harvest statistics by hunt, Utah 2012.

Hunt	Total permits	n	Hunters afield	Total harvest	Days afield public land	Days afield private land	Percent success
Limited entry central region	602	460	521	157	2013	833	30.0
Limited entry northeastern region	308	244	246	76	797	548	31.1
Limited entry northern region	481	392	418	160	1144	888	38.0
Limited entry southeastern region	302	227	240	93	822	427	39.0
Limited entry southern region	1316	946	1105	333	4299	1840	29.7
General season statewide	5275	2524	4506	953	17670	6275	21.1
Broadmouth CWMU	2	0	—	—	—	—	—
Missouri Flat CWMU	15	10	11	3	—	3	28.6
Redd Ranches CWMU	9	8	8	2	—	2	28.6

APPENDIX A

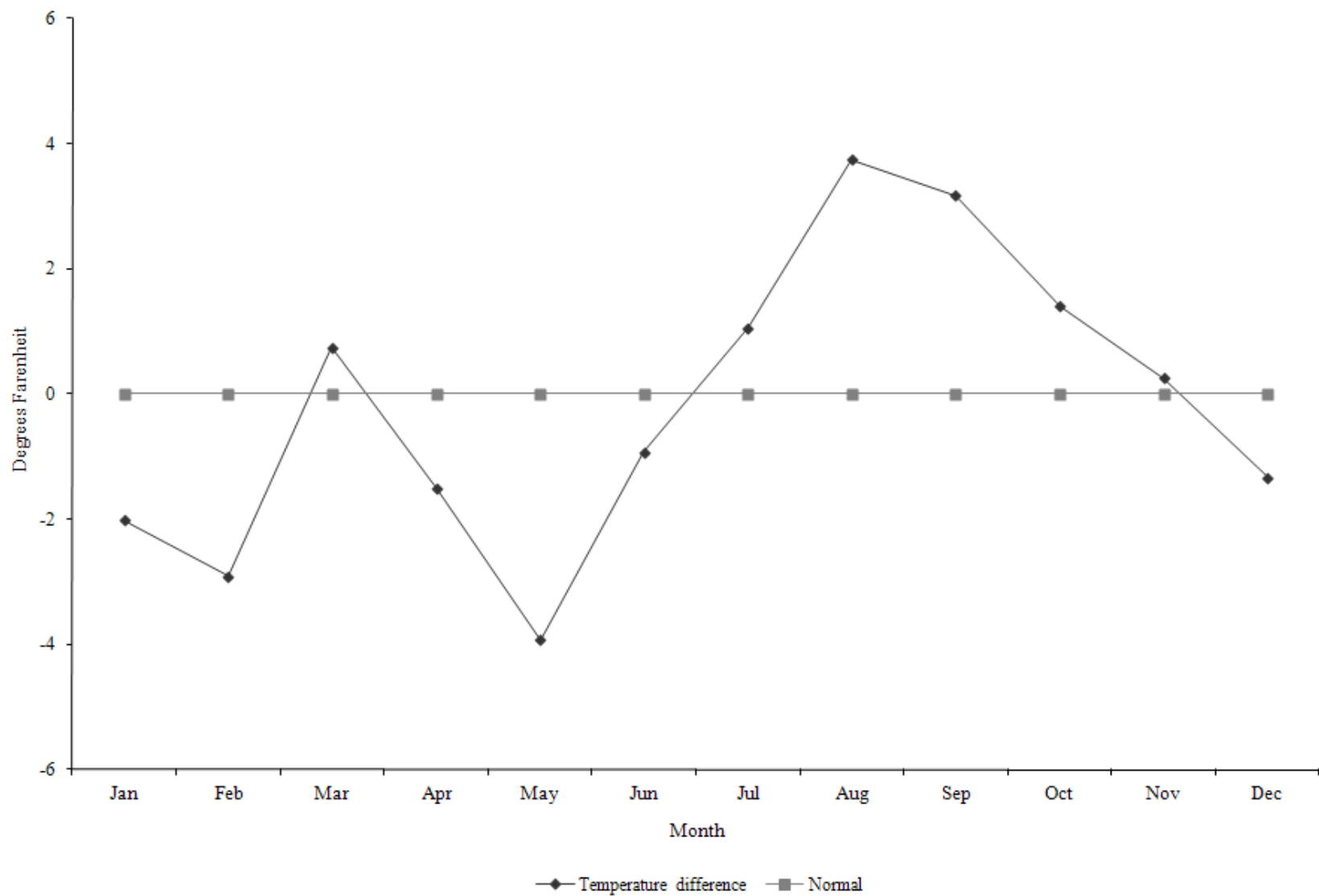
WEATHER CONDITIONS

Weather data used in this report are from the NOAA monthly periodicals entitled “Climatological Data, Utah 2011.”

Comparison of monthly average temperatures (°F) to normal temperature, by weather division, Utah 2011.

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
2011	22.8	31.1	41.4	45.4	51.6	63.6	74.1	74.8	65.0	51.6	36.2	23.7	48.4
Departure	-3.9	-1.5	0.7	-2.2	-4.8	-2.6	0.3	2.7	3.0	2.0	-0.4	-3.9	-0.9
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
2011	40.7	41.4	50.9	56.2	61.4	77.0	84.2	86.6	76.2	61.8	47.7	39.3	60.3
Departure	1.3	-3.1	0.8	-0.7	-4.5	1.1	2.6	6.8	3.9	1.1	0.5	-0.4	0.8
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
2011	26.0	31.8	41.0	44.5	51.8	64.1	74.8	75.2	65.9	51.9	37.0	26.4	49.2
Departure	-0.5	0.2	0.7	-3.1	-4.8	-2.2	0.9	2.9	3.5	1.5	-0.2	-1.6	-0.2
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
2011	25.6	29.3	39.7	44.0	50.6	62.5	70.7	71.9	62.4	50.3	36.8	26.5	47.5
Departure	-1.2	-2.3	1.5	-0.6	-2.9	-0.6	0.9	4.0	2.7	2.0	0.8	-1.5	0.2
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
2011	20.6	23.2	33.7	38.6	46.4	57.0	67.4	67.7	58.7	46.2	31.8	22.5	42.8
Departure	-0.7	-1.7	0.9	-1.8	-3.0	-1.3	2.3	4.0	3.7	2.0	0.5	0.0	0.4
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
2011	10.0	14.8	36.8	45.1	51.6	63.8	71.2	71.9	63.2	48.2	33.0	19.5	44.1
Departure	-8.0	-9.6	-0.7	-1.4	-4.3	-1.4	-0.4	2.3	3.0	0.4	0.2	-1.5	-1.8
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
2011	26.9	32.3	44.4	50.0	56.9	71.0	77.3	77.9	67.8	53.8	39.5	29.4	52.3
Departure	-1.1	-2.4	1.3	-0.7	-3.2	0.5	0.8	3.5	2.4	0.8	0.4	-0.4	0.2
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
2011	24.7	29.1	41.1	46.3	52.9	65.6	74.2	75.1	65.6	52.0	37.4	26.8	49.2
Departure	-2.0	-2.9	0.7	-1.5	-3.9	-0.9	1.1	3.7	3.2	1.4	0.3	-1.3	-0.2

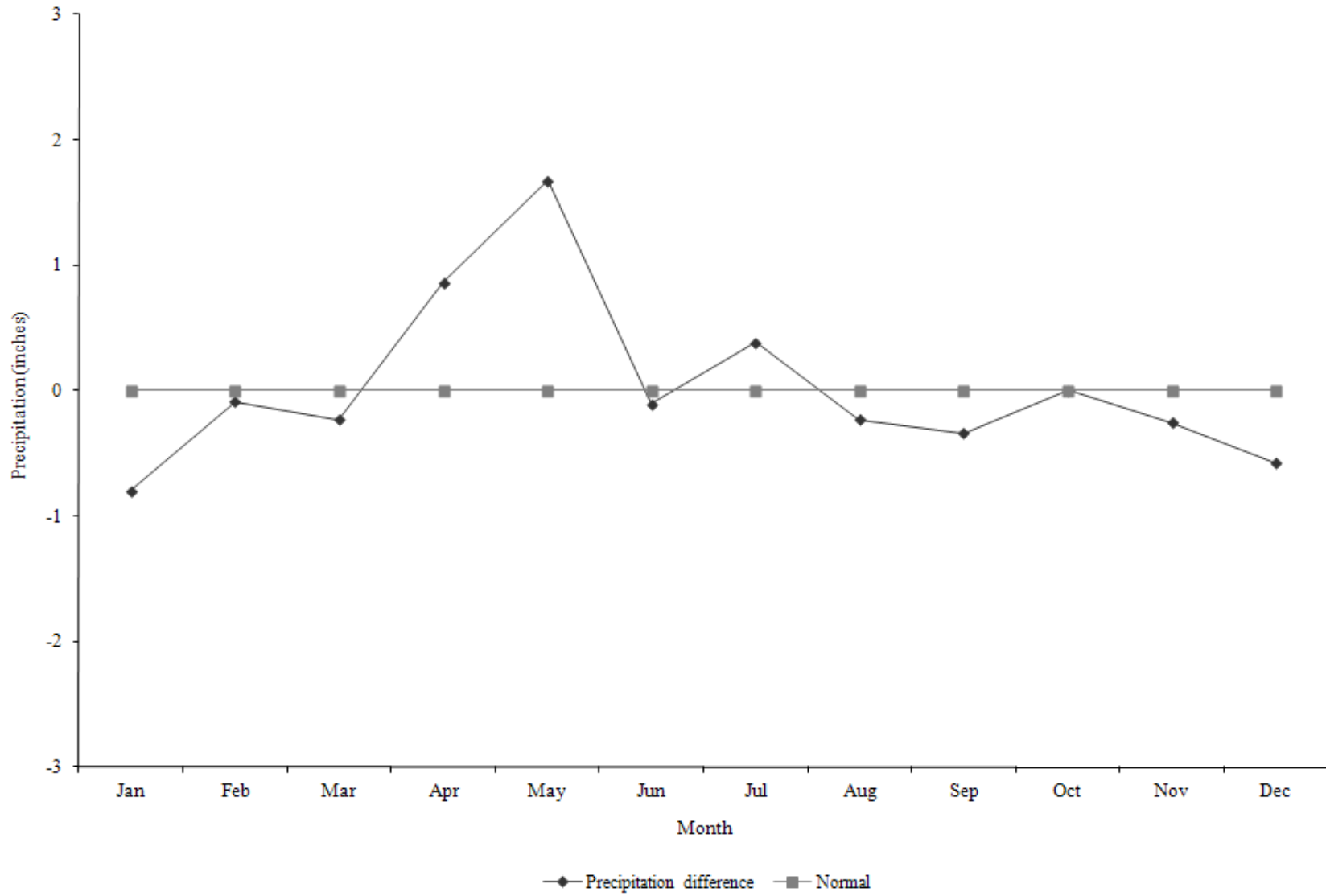
Temperature (°F) departure from normal, Utah 2011.



Comparison of monthly average precipitation (inches) to normal precipitation, by weather division, Utah 2011.

Weather Division	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
No.1 Western													
Normal	0.6	0.7	0.9	0.9	1.1	0.6	0.7	0.8	0.8	1.0	0.7	0.5	9.2
2011	0.2	0.5	0.6	1.7	3.9	0.3	0.8	0.4	0.5	0.7	0.3	0.1	10.0
Departure	-0.5	-0.1	-0.3	0.8	2.8	-0.3	0.1	-0.4	-0.3	-0.2	-0.3	-0.3	0.8
No.2 Dixie													
Normal	1.6	1.6	2.0	0.9	0.7	0.3	0.9	1.1	0.9	1.0	1.1	0.8	12.9
2011	0.0	1.4	1.1	1.1	1.2	0.0	0.4	0.0	0.9	1.6	0.5	0.3	8.5
Departure	-1.6	-0.2	-0.9	0.2	0.5	-0.3	-0.5	-1.1	0.0	0.6	-0.6	-0.6	-4.4
No.3 North Central													
Normal	1.6	1.6	1.9	1.9	2.2	1.1	0.9	1.0	1.4	1.8	1.5	1.4	18.2
2011	0.9	1.5	2.5	3.8	5.2	1.1	0.8	1.6	0.8	1.8	1.6	0.2	21.8
Departure	-0.7	-0.1	0.6	1.9	3.1	0.0	-0.1	0.6	-0.6	-0.1	0.1	-1.2	3.6
No.4 South Central													
Normal	1.2	1.2	1.4	1.1	1.1	0.6	1.0	1.4	1.2	1.3	1.1	0.9	13.4
2011	0.1	1.3	1.2	1.6	2.2	0.6	1.5	1.0	1.2	1.4	0.8	0.5	13.2
Departure	-1.0	0.0	-0.2	0.5	1.1	0.0	0.5	-0.4	0.0	0.1	-0.3	-0.4	-0.1
No.5 Northern Mountains													
Normal	2.0	1.9	2.0	1.9	2.0	1.1	1.1	1.2	1.6	1.9	1.9	1.7	20.1
2011	1.5	2.1	2.2	4.6	4.5	1.1	1.3	1.6	0.7	1.5	1.8	0.3	23.2
Departure	-0.6	0.2	0.3	2.7	2.5	0.0	0.2	0.5	-0.9	-0.3	0.0	-1.4	3.1
No.6 Uintah Basin													
Normal	0.5	0.5	0.6	0.8	1.0	0.6	0.7	0.8	0.9	1.1	0.5	0.4	8.5
2011	0.0	0.4	0.2	0.5	2.3	0.6	2.4	0.4	0.3	1.4	0.3	0.3	9.1
Departure	-0.5	-0.1	-0.4	-0.3	1.3	0.0	1.7	-0.4	-0.6	0.3	-0.3	-0.1	0.6
No.7 Southeast													
Normal	0.8	0.7	0.9	0.7	0.8	0.4	0.9	1.0	1.0	1.3	0.8	0.6	9.8
2011	0.0	0.3	0.3	0.9	1.3	0.2	1.7	0.7	1.0	0.9	0.5	0.5	8.3
Departure	-0.8	-0.4	-0.6	0.2	0.5	-0.2	0.8	-0.3	0.1	-0.4	-0.3	-0.1	-1.5
State averages													
Normal	1.2	1.1	1.4	1.2	1.3	0.7	0.9	1.0	1.1	1.3	1.1	0.9	13.1
2011	0.4	1.1	1.2	2.0	2.9	0.6	1.3	0.8	0.8	1.3	0.8	0.3	13.5
Departure	-0.8	-0.1	-0.2	0.9	1.7	-0.1	0.4	-0.2	-0.3	0.0	-0.3	-0.6	0.3

Precipitation (inches) departure from normal, Utah 2011.



APPENDIX B

HUNTER HARVEST SURVEY RESPONSE SUMMARY

General upland game harvest mail questionnaire returns, Utah 1962–63 to 2000–01.

Year	Questionnaires mailed	Total surveys returned	% returned	Total usable returns	% usable	% of permittees who did not hunt
1962–63	10068	4122	40.9	3433	34.1	22.0
1963–64	11058	5062	45.8	4325	39.1	21.0
1964–65	10718	4840	45.2	4180	39.0	23.0
1965–66	11917	6232	52.3	—	—	34.0
1966–67	13131	5734	43.7	5734	43.7	34.6
1967–68	12012	5764	48.0	5764	48.0	25.1
1968–69	14068	6138	43.6	6138	43.6	25.6
1969–70	15036	6429	42.8	6429	42.8	28.0
1970–71	14730	6639	45.1	6639	45.1	38.8
1971–72	15149	—	43.2	—	—	—
1972–73	15272	—	—	6399	41.9	—
1973–74	17572	—	—	7999	45.5	—
1974–75	27379	9157	33.4	8027	29.3	—
1975–76	26657	10880	40.8	9132	34.3	—
1976–77	21250	7889	37.1	6226	29.3	—
1977–78	20984	9329	44.5	8099	38.6	—
1978–79	24733	7575	30.6	6529	26.4	—
1979–80	27616	10498	38.0	9274	33.6	26.4
1980–81	27952	9857	35.3	8496	30.4	33.1
1981–82	13925	7941	57.0	6367	45.7	31.4
1982–83	22609	10167	45.0	8734	38.6	27.0
1983–84	23430	10324	44.1	9497	40.5	28.7
1984–85	12026	6455	53.7	6324	52.6	31.1
1985–86	10772	5904	54.8	5843	54.2	35.2
1986–87	11103	5329	48.0	5256	47.3	34.2
1987–88	10022	4294	42.8	4272	42.6	30.1
1988–89	15350	6650	43.3	6527	42.5	35.6
1989–90	12894	5135	39.8	5105	39.6	36.7
1990–91	12236	5264	43.0	5175	42.3	39.1
1991–92	15054	6419	42.6	6212	41.3	42.7
1992–93	16472	6207	37.7	5977	36.3	45.0
1993–94	16534	6293	38.1	5442	32.9	42.6
1994–95	15526	5433	35.0	5131	33.0	45.1
1995–96	14777	4951	33.5	4866	32.9	41.7
1996–97	14088	4090	29.0	4028	28.6	36.2
1997–98	13689	4488	32.8	4338	31.7	40.0
1998–99	14497	5536	38.2	3862	26.6	43.5
1999–00	14630	6082	41.6	5426	37.1	39.6
2000–01	14181	5020	35.4	4555	32.1	37.4

General upland game survey type and sample size, Utah 2001–02 to 2011–12.

Year	Survey type	Sample size	Total permits	% of permittees who did not hunt
2001–02	Telephone	2500	83883	43.6
2002–03	Telephone	2501	79036	40.9
2003–04	Telephone	2500	77058	35.3
2004–05	Telephone	2500	77160	42.2
2005–06	Telephone	2500	76491	33.6
2006–07	Telephone	2501	82639	50.5
2007–08*	Telephone	4978	124349	75.5
2008–09	Web/Phone	14324	182846	76.7
2009–10	Web/Phone	12571	187925	81.8
2010–11	Web/Phone	14752	186163	80.9
2011–12	Web/Phone	16248	181590	84.2

*As of July 1, 2007, the 365-day small game license was renamed a basic Hunting License, and all hunters were required to obtain a basic Hunting License before applying for or obtaining any other Utah hunting permit.

APPENDIX C

LICENSE SALES

Small game license sales and the proportion of the population purchasing small game licenses, Utah 1971–2011.

Year	License fee (\$)				Licenses sold				Utah population	% purchasing a license
	JSG	RSG	CMB	NRSG	JSG	RSG	CMB	NRSG		
1971	2.50	4.50	10.00	20.00	16044	20681	102284	1000	1101000	12.6
1972	2.50	4.50	10.00	20.00	16523	19796	107414	4075	1135000	12.7
1973	2.50	4.50	10.00	20.00	16522	18836	115436	964	1169000	12.9
1974	2.50	4.50	10.00	20.00	16334	17434	117770	974	1197000	12.7
1975	2.50	4.50	10.00	20.00	15869	17057	115362	967	1234000	12.0
1976	3.00	6.00	18.00	20.00	16261	33078	76587	1141	1272000	9.9
1977	3.00	6.00	18.00	20.00	15795	36473	74600	1270	1316000	9.6
1978	3.00	6.00	18.00	20.00	15419	37082	81227	1449	1364000	9.8
1979	3.00	6.00	18.00	20.00	14200	36721	84450	1575	1416000	9.6
1980	4.00	8.00	23.00	30.00	14042	30189	100177	1330	1461037	9.9
1981	4.00	8.00	23.00	30.00	13874	37804	83486	1559	1524830	8.9
1982	4.00	8.00	23.00	30.00	14040	36850	82970	1637	1588622	8.4
1983	4.00	8.00	23.00	30.00	13814	39602	73529	1685	1652415	7.7
1984	4.00	8.00	23.00	30.00	13170	36070	73081	1633	1716207	7.1
1985	6.00	12.00	35.00	40.00	12987	30102	82137	1500	1780000	7.0
1986	6.00	12.00	35.00	40.00	11946	39567	67435	1274	1665000	7.1
1987	6.00	12.00	35.00	40.00	11228	26781	66715	1235	1678000	6.2
1988	6.00	12.00	35.00	40.00	9498	25733	72846	1428	1695000	6.4
1989	6.00	12.00	35.00	40.00	5769	25845	74274	1422	1715000	6.2
1990	6.00	12.00	35.00	40.00	5682	24527	76292	1279	1722850	6.2
1991	6.00	12.00	35.00	40.00	5626	23276	79165	1212	1774241	6.1
1992	6.00	12.00	35.00	40.00	5431	21852	78940	1195	1820453	5.8
1993	6.00	12.00	25.00	40.00	4887	20899	78030	1150	1866000	5.6
1994	6.00	12.00	25.00	40.00	4551	25792	59854	1223	1916000	4.7
1995	6.00	12.00	25.00	40.00	4403	24219	66607	1379	1959000	4.9
1996	6.00	12.00	25.00	40.00	3584	23908	65003	1503	2002359	4.6
1997	6.00	12.00	25.00	40.00	3674	22980	63513	1563	2048753	4.4
1998	6.00	12.00	25.00	40.00	3529	22671	63648	1618	2082502	4.3
1999	7.00	13.00	28.00	41.00	3654	23109	65193	1651	2121053	4.3
2000	7.00	13.00	28.00	41.00	3521	23316	59794	1212	2246553	3.9
2001	11.00	17.00	32.00	45.00	3369	20617	58880	1017	2305652	3.6
2002	11.00	17.00	32.00	45.00	3063	19415	55425	1133	2358330	3.3
2003	11.00	17.00	32.00	45.00	3150	19045	53778	1085	2413618	3.1
2004	11.00	17.00	34.00	45.00	3092	19114	53743	1211	2469230	3.1
2005	11.00	17.00	34.00	45.00	2956	18440	53829	1266	2547389	3.0
2006	11.00	17.00	34.00	45.00	3875	17269	60264	1231	2615129	3.1

JSG=juvenile small game license, RSG=resident small game license, CMB=combination license, NRSG=nonresident small game license.

Hunting license sales and the proportion of the population purchasing hunting licenses, Utah 1971–2011 (cont.).

Year	License fee (\$)						Licenses sold*						Utah population	% residents purchasing a license
	JHL	RHL	CMB	NRHL	NRCMB	3DAY	JHL	RHL	CMB	NRHL	NRCMB	3DAY		
2007	11.00	26.00	30.00	65.00	80.00	25.00	2805	15304	100943	5297	697	—	2699554	3.8
2008	11.00	26.00	30.00	65.00	80.00	25.00	3463	9888	139524	24882	5089	—	2757779	5.5
2009	11.00	26.00	30.00	65.00	80.00	25.00	4068	7390	147792	22649	5461	565	2784572	5.7
2010	11.00	26.00	30.00	65.00	80.00	25.00	4442	6192	148534	20934	5494	567	2763885	5.8
2011	11.00	26.00	30.00	65.00	80.00	25.00	4451	5600	147053	18604	5312	570	2817222	5.6

JHL=juvenile (under 14 years of age) resident hunting license, RHL=resident hunting license, CMB=combination license, NRHL=nonresident hunting license, NRCMB=nonresident combination license, 3DAY=nonresident 3-days small game license.

*As of July 1, 2007, the 365-day small game license was renamed a basic Hunting License. “Licenses sold” is for the period December 1 to December 31 of the following year (duplicates removed).

APPENDIX D

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

Upland game season dates, bag and possession limits, and areas open, Utah 2011–12 (2011–12 Utah Upland Game & Turkey Guidebook).

Band-tailed pigeon

- Season dates: September 1–September 30, 2011
- Areas open: Beaver, Garfield, Grand, Iron, Kane, Millard, Piute, San Juan, Sanpete, Sevier, Utah, Washington and Wayne counties.
- Bag limit: 5 Possession limit: 10
- Falconry bag limit: 3 Falconry possession limit: 6
- Footnotes: Requires a free permit in addition to your hunting license.

California and Gambel's quail

- Season dates: November 5–December 31, 2011
- Areas open: Statewide. The youth hunt will occur on Saturday, Oct. 15, 2011. If you are a youth who will be 15 or younger on Oct. 15, you may participate in this hunt. You must be accompanied by an adult who is 21 or older.
- Bag limit: 5 Possession limit: 15
- Footnotes: Limits singly or in combination. No 8 a.m. restriction on opening morning.

Chukar partridge

- Season dates: September 24, 2011–February 15, 2012
- Areas open: Statewide. The youth hunt will occur on Saturday, Sept. 17, 2011. If you are a youth who will be 15 or younger on Sept. 17, you may participate in this hunt. You must be accompanied by an adult who is 21 or older.
- Bag limit: 5 Possession limit: 10
- Footnotes: Antelope Island is closed to upland game hunting.

Cottontail rabbit (desert and mountain)

- Season dates: September 1, 2011–February 29, 2012
- Areas open: Statewide.
- Bag limit: 10 Possession limit: 30

Dusky and ruffed grouse

- Season dates: September 1–December 31, 2011
- Areas open: Statewide.
- Bag limit: 4 Possession limit: 12
- Footnotes: Limits singly or in the aggregate.

Eurasian collared-dove

- Season dates: Year round
- Areas open: Statewide. Eurasian collared-doves may be hunted without a license, year round.
- Bag limit: No limit Possession limit: No limit
- Footnotes: Eurasian collared-doves taken during the dove season will not count as part of the combined dove bag and possession limits if they remain unplucked during transport.

Upland game season dates, bag and possession limits, and areas open, Utah 2011–12 (cont.).

Greater sage-grouse (West Box Elder County)

- Season dates: September 24–October 16, 2011
- Areas open: Hunt #9000 West Box Elder—Box Elder County—That part of Box Elder County west of the following line: Line begins on the Utah Idaho state line and the Locomotive Springs-Snowville-Stone, Idaho Road; south on this road to Locomotive Springs; then due south along an imaginary line (approximately 112° 50' 00" West Longitude) to the Box Elder-Tooele County line.
- Possession limit: Only 2 birds of either sex may be taken during the entire season.
- Footnotes: Sage-grouse permit is required. There are 170 two-bird permits available.

Greater sage-grouse (Rich County)

- Season dates: September 24–October 16, 2011
- Areas open: Hunt #9001 Rich County—All of Rich County
- Possession limit: Only 2 birds of either sex may be taken during the entire season.
- Footnotes: Sage-grouse permit required. There are 134 two-bird permits available.

Greater sage-grouse (Diamond/Blue Mountain)

- Season dates: September 24–October 16, 2011
- Areas open: Hunt #9002 Diamond/Blue Mountain—Daggett and Uintah counties—Boundary begins at US-40 and the Utah-Colorado state line; west on US-40 to Vernal and 500 West; north on 500 West to 500 North; west on 500 North to 3500 West (Dry Fork Canyon road); north on 3500 West to Dry Fork Canyon; northwest along Dry Fork Canyon to the Red Cloud Loop road; north and east along Red Cloud Loop to US-191; north on US-191 to the south shore of Flaming Gorge Reservoir; east along this shore to the Green River; southeast along the Green River to the Utah-Colorado state line; south along this state line to US-40.
- Possession limit: Only 2 birds of either sex may be taken during the entire season.
- Footnotes: Sage-grouse permit required. There are 66 two-bird permits available.

Greater sage-grouse (Parker Mountain)

- Season dates: September 24–October 16, 2011
- Areas open: Hunt #9003 Parker Mountain—Garfield, Piute, Sevier and Wayne counties—Boundary begins at the junction of SR-24 and I-70 near Sigurd; south on SR-24 to SR-62; south on SR-62 to SR-22; south on SR-22 to Antimony; south on John's Valley Road through Widtsoe to Bryce Junction and SR-12; east and north on SR-12 to SR-24; west on SR-24 to SR-72 at Loa; north on SR-72 to I-70; west on I-70 to SR-24.
- Possession limit: Only 2 birds of either sex may be taken during the entire season.
- Footnotes: Sage-grouse permit required. There are 204 two-bird permits available.

Upland game season dates, bag and possession limits, and areas open, Utah 2011–12 (cont.).

Hungarian partridge

- Season dates: September 24, 2011–February 15, 2012
- Areas open: Statewide. The youth hunt will occur on Saturday, Sept. 17, 2011. If you are a youth who will be 15 or younger on Sept. 17, you may participate in this hunt. You must be accompanied by an adult who is 21 or older.
- Bag limit: 5 Possession limit: 15

Jackrabbit (black-tailed and white-tailed)

- Season dates: Year round
- Areas open: Statewide.
- Bag limit: No limit Possession limit: No limit
- Footnotes: May be hunted without a license, year round.

Mourning dove and white-winged dove

- Season dates: September 1–September 30, 2011
- Areas open: Statewide.
- Bag limit: 10 Possession limit: 20
- Falconry bag limit: 3 Falconry possession limit: 6
- Footnotes: Limits singly or in combination. Eurasian collared-doves should remain fully feathered so they can be distinguished from mourning and white-winged doves.

Ring-necked pheasant (General season)

- Season dates: November 5–November 20, 2011
- Areas open: Statewide. The youth hunt will occur on Saturday, Oct. 15, 2011. If you are a youth who will be 15 or younger on Oct. 15, you may participate in this hunt. You must be accompanied by an adult who is 21 or older.
- Bag limit: 2 Possession limit: 6
- Footnotes: Only males may be harvested. No 8 a.m. restriction on opening morning. The Goshen Warm Springs WMA in Utah County is closed to all hunting.

Ring-necked pheasant (Extended season)

- Season dates: November 5–December 4, 2011
- Areas open: CAUTION: Not all counties are open for the extended season. Only the following areas are open: 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).
- Bag limit: 2 Possession limit: 6
- Footnotes: Only males may be harvested. No 8 a.m. restriction on opening morning.

Upland game season dates, bag and possession limits, and areas open, Utah 2011–12 (cont.).

Scaled quail

- Season dates and bag limit: Closed

Sandhill crane (East Box Elder County)

- Season dates: September 3–September 11, 2011
- Areas open: Hunt #9200 East Box Elder County. Beginning on the Utah-Idaho state line at the Box Elder-Cache county line; west on this 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 and the Promontory Point county road; 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 this county line to the Box Elder-Cache county line; north on this county line to the Utah-Idaho state line.
- Possession limit: Only 1 bird of either sex may be taken during the entire season.
- Footnotes: Sandhill crane permit required. Harold Crane, Public Shooting Grounds and Salt Creek Waterfowl Management Areas are closed to sandhill crane hunting. Bear River National Wildlife Refuge is closed to sandhill crane hunting. There are 36 permits available.

Sandhill crane (Cache County)

- Season dates: September 3–September 11, 2011
- Areas open: Hunt #9201 Cache County. All of Cache County, excluding the area beginning at SR-30 and the Box Elder-Cache county line; south and east along this 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.
- Possession limit: Only 1 bird of either sex may be taken during the entire season.
- Footnotes: Sandhill crane permit required. There are 41 permits available.

Sandhill crane (Rich County)

- Season dates: September 3–September 11, 2011
- Areas open: Hunt #9202 Rich County. All of Rich County
- Possession limit: Only 1 bird of either sex may be taken during the entire season.
- Footnotes: Sandhill crane permit required. There are 27 permits available.

Sandhill crane (Uintah County)

- Season dates: September 24–October 2, 2011
- Areas open: Hunt #9203 Uintah County. All of Uintah County
- Possession limit: Only 1 bird of either sex may be taken during the entire season.
- Footnotes: Sandhill crane permit required. There are 138 permits available.

Upland game season dates, bag and possession limits, and areas open, Utah 2011–12 (cont.).

Sharp-tailed grouse (Box Elder County)

- Season dates: September 24–October 16, 2011
- Areas open: Hunt #9100 Box Elder County. That part of Box Elder County beginning at I-15 and SR-83; west on SR-83 to Lampo Junction and the Union Pacific-Central Pacific Railroad Grade; 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 state line; east along this state line to I-15; south on I-15 to SR-83.
- Possession limit: Only 2 birds of either sex may be taken during the entire season.
- Footnotes: Sharp-tailed grouse permit required. 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. There are 240 two-bird permits available.

Sharp-tailed grouse (Cache County)

- Season dates: September 24–October 16, 2011
- Areas open: Hunt #9101 Cache County. Beginning on the Utah-Idaho state line and I-15; south on I-15 to US-89/91 at Brigham City; northeast on US-89/91 to the Box Elder-Cache county line; south on this county line to the Cache-Weber county line; east on this county line to the Cache-Rich county line; north on this county line to the Utah-Idaho state line; west along the Utah-Idaho state line to I-15.
- Possession limit: Only 2 birds of either sex may be taken during the entire season.
- Footnotes: Sharp-tailed grouse permit required. 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. There are 42 two-bird permits available.

Snowshoe hare

- Season dates: September 1, 2011–March 15, 2012
- Areas open: Statewide.
- Bag limit: 5 Possession limit: 15

White-tailed ptarmigan

- Season dates: August 27–October 31, 2011
- Areas open: Statewide.
- Bag limit: 4 Possession limit: 12
- Footnotes: Requires a free permit in addition to a hunting license.

Limited entry, CWMU and general season wild turkey permit numbers, season dates, and open areas, Utah 2011 (2011 Utah Turkey Guidebook).

Wild turkey (Youth and general season hunts)

- Season dates: April 29–May 1, 2011 for youth-only hunts and May 2–May 31, 2011 for general-season hunts
- Areas open: Statewide.
- Bag limit:1 Possession limit: 1
- Footnotes: The youth and general season permits may be purchased over the counter.

2011 limited-entry hunts

Hunt #	Hunt name	Season dates	Public permits
9300	Central Region	April 9–28	500
9301	Northeastern Region	April 9–28	250
9302	Northern Region	April 9–28	400
9303	Southeastern Region	April 9–28	250
9304	Southern Region	April 9–28	1,100

2011 CWMU hunts

The following dates were established by the Wildlife Board for turkey hunting on CWMUs: April 9, 2011 to May 31, 2011. The CWMU operator establishes the number of hunting days. Before applying, we encourage hunters to contact the CWMU operator to obtain specific information about hunt dates and rules specific to that CWMU. You can see maps of the CWMUs at wildlife.utah.gov/CWMU.

Hunt #	Hunt name	County	Public permits	Operator
9500	Broadmouth	Weber	1	Garet Jones
9501	Castle Valley Outdoors	Emery	1	James Fauver
9502	Missouri Flat	Millard/Sevier	5	Jed Wayment
9503	Redd Ranches	San Juan/Grand	3	David Redd

Limited entry, CWMU and general season wild turkey permit numbers, season dates, and open areas, Utah 2012 (2011–12 Utah Upland Game & Turkey Guidebook).

Wild turkey (Youth and general season hunts)

- Season dates: April 27–April 29, 2012 for youth-only hunts and April 30–May 31, 2012 for general-season hunts
- Areas open: Statewide.
- Bag limit:1 Possession limit: 1
- Footnotes: The youth and general season permits may be purchase over the counter.

Wild turkey (Limited-entry hunts)

- Season dates: April 14–April 26, 2012
- Areas open: Central (#9300), Northeastern (#9301), Northern (#9302), Southeastern (#9303), and Southern (#9304). Regional boundaries apply. Regional boundary maps are available online at wildlife.utah.gov/maps.
- Bag limit:1 Possession limit: 1
- Footnotes: The limited-entry hunt requires a permit distributed through Utah's turkey drawing. There are 500 permits for the Central Region, 25 permits for the Northeastern Region, 400 permits for the Northern Region, 250 permits for the Southeastern Region, and 1,100 permits for the Southern Region.

Wild turkey (CWMU hunts)

- Season dates: The CWMU operator establishes the number of hunting days within the timeframe established by the Utah Wildlife Board for turkey hunting on CWMUs, April 14–May 31, 2012.
- Areas open: Broadmouth (#9500), Missouri Flat (#9501) and Folley Ridge (#9502). Visit wildlife.utah.gov/CWMU for maps and contact information.
- Bag limit:1 Possession limit: 1
- Footnotes: There is 1 permit available for the Broadmouth CWMU, 10 permits available for the Missouri Flat CWMU, and 5 permits available for the Folley Ridge CWMU. Before applying, we encourage hunters to contact the CWMU operator to obtain specific information about hunt dates and rules specific to that CWMU.