

# UTAH UPLAND GAME ANNUAL REPORT 2012-13



Publication No. 13-19



# Utah Upland Game Annual Report 2012–13

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Annual Performance Report for Federal Aid Project W-65-M-60 & 61

State of Utah  
Department of Natural Resources  
DIVISION OF WILDLIFE RESOURCES

**Gregory Sheehan**  
Director

**James F. Karpowitz**  
Director, 2005-2012

“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*

## TABLE OF CONTENTS

Definitions .....	1
Introduction .....	2
Methods .....	3
Results .....	3
Band-tailed pigeon .....	8
California quail .....	13
Chukar partridge .....	19
Cottontail rabbit .....	27
Dove .....	35
Forest grouse .....	47
Gambel's quail .....	55
Gray (Hungarian) partridge .....	62
Ring-necked pheasant .....	68
Sage-grouse .....	74
Sandhill crane .....	94
Sharp-tailed grouse .....	99
Snowshoe hare .....	107
White-tailed ptarmigan .....	113
Wild turkey .....	118
Appendix A: Weather conditions .....	130
Appendix B: Hunter-harvest survey response summary .....	135
Appendix C: License sales .....	138
Appendix D: Permit numbers, season dates, bag and possession limits, and areas open .....	141

## 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), gray (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, 2012 through June 30, 2013 (hereafter referred to as 2012–13). 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 2012–13 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., 2012 or 2013, respectively), while fall/winter seasons will have an overlapping year designation (e.g., 2012–13).

## 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 39<sup>th</sup> Annual Upland Game Report. It is an annual performance report of information compiled during inventory and harvest surveys conducted under Federal Aid Project W-65-M, segments 60 & 61. 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 2012–13 upland game hunting seasons, 2013 turkey season, as well as inventory and trend surveys that took place from July 2012 through June 2013.

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. Hunters with permits for band-tailed pigeon, greater sage-grouse, sharp-tailed grouse, white-tailed ptarmigan, and wild turkey 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. Beginning with last year, the seasons published in the Upland Game Annual Report were adjusted to match the seasons from the guidebook, and the annual report was aligned with the state fiscal year (July through the following June) rather than straight calendar year.

Beginning last year and continuing in 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. Also, hunt and harvest information are presented for the two quail species, Gambel’s and California, separately.

In 2013, we closely examined Greater sage-grouse strutting ground count data in order to identify and fix any errors or duplicate counts. Therefore, count data from 2004-2012 have been adjusted in this report to provide the most accurate and reliable information available to-date.

## **RESULTS**

Out of 183,275 licenses sold, 52,294 people were randomly selected for participation in the general upland game harvest survey, representing a 28.5% sample of all licensed hunters in Utah for 2012–13. These hunters were sent an email inviting them to participate in the Internet-based harvest survey. Of those hunters contacted, 12,713 (24.3%) submitted an online harvest survey. A random sample of 5,175 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, 2012–13.

Species	Survey method	Permits / licenses sold	Sample size
Band-tailed pigeon	Web/phone	364	130
General upland game	Web/phone	183275	17888
Greater sage-grouse	Web/phone	705	615
Sandhill crane	Web/phone	196	136
Sharp-tailed grouse	Web/phone	319	139
White-tailed ptarmigan	Web/phone	356	134
Wild turkey	Web/phone	9656	2467

A total of 29,928 hunters went afield in 2012–13 in pursuit of various general upland game species. 8,354 hunters hunted wild turkey in 2013. Detailed information describing the upland game harvest can be found in the following tables. Regulations for the 2012–13 upland game and 2013 wild turkey hunting seasons are shown in Appendix D.



Summary of upland game harvest statistics, Utah 2012–13.

Species	Hunters afield	Total harvest	Hunter-days afield	Bag per hunter-day	Bag per hunter per season
Band-tailed pigeon	70	45	235	0.2	0.6
California quail	1212	5578	6917	0.8	4.6
Chukar partridge	5448	25696	29068	0.9	4.7
Cottontail rabbit	6618	28665	30548	0.9	4.3
Dove	9784	80150	38985	2.1	8.2
Mourning	—	74028	—	—	—
White-winged	—	4357	—	—	—
Unknown	—	1764	—	—	—
Forest grouse	9915	44787	49227	0.9	4.5
Dusky	—	16345	—	—	—
Ruffed	—	25680	—	—	—
Unknown	—	2765	—	—	—
Gambel's quail	495	1586	1432	1.1	3.2
Gray (Hungarian) partridge	1119	2659	4052	0.7	2.4
Greater sage-grouse	530	519	992	0.5	1.0
Ring-necked pheasant	14315	29704	53835	0.6	2.1
Sandhill crane	167	91	340	0.3	0.5
Sharp-tailed grouse	198	222	326	0.7	1.1
Snowshoe hare	645	924	2147	0.4	1.4
White-tailed ptarmigan	74	149	303	0.5	2.0
Wild turkey	8354	2295	—	—	0.3

Number of general upland game hunters afield by species or species group, Utah 2003–2013.

Species	Year									
	2003–04	2004–05	2005–06	2006–07	2007–08	2008–09	2009–10	2010–11	2011–12	2012–13
California quail	2089	1636	1989	2181	1848	1664	1588	1043	1082	1212
Chukar partridge	8118	6265	11565	6245	4971	6627	6562	6272	5572	5448
Cottontail rabbit	8685	6358	12575	7401	6794	8543	6517	7684	6189	6618
Dove	14625	13210	15849	10904	10017	13430	11023	11372	8891	9784
Forest grouse	15669	14259	13371	11532	8193	12189	10791	10724	7941	9915
Gambel’s quail	448	463	1530	628	225	804	688	557	468	495
Gray (Hungarian) partridge	2656	2253	4345	2148	1099	1475	1817	1006	918	1119
Ring-necked pheasant	20773	13457	26864	16521	13764	16936	16798	18103	14188	14315
Snowshoe hare	686	525	612	496	550	619	766	631	634	645
Total hunters*	48261	44629	50821	40873	30525	37419	34271	35639	28617	29928

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

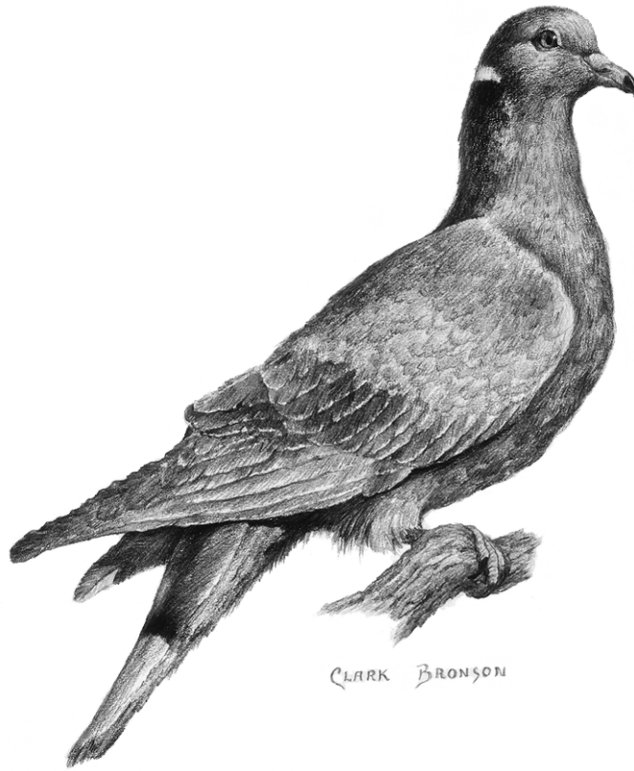
Number of special permit upland game hunters afield by species, Utah 2003–2013.

Species	Year									
	2003–04	2004–05	2005–06	2006–07	2007–08	2008–09	2009–10	2010–11	2011–12	2012–13
Band-tailed pigeon	107	60	52	71	69	63	78	51	90	70
Greater sage-grouse	767	1077	1231	1070	1083	838	628	650	429	530
Sandhill crane	79	67	76	105	141	174	228	253	202	167
Sharp-tailed grouse	249	218	170	152	149	179	209	233	177	198
White-tailed ptarmigan	114	61	98	61	58	61	49	95	76	74
Wild turkey	1279	1656	2429	2800	6831	11138	10941	8291	7055	8354

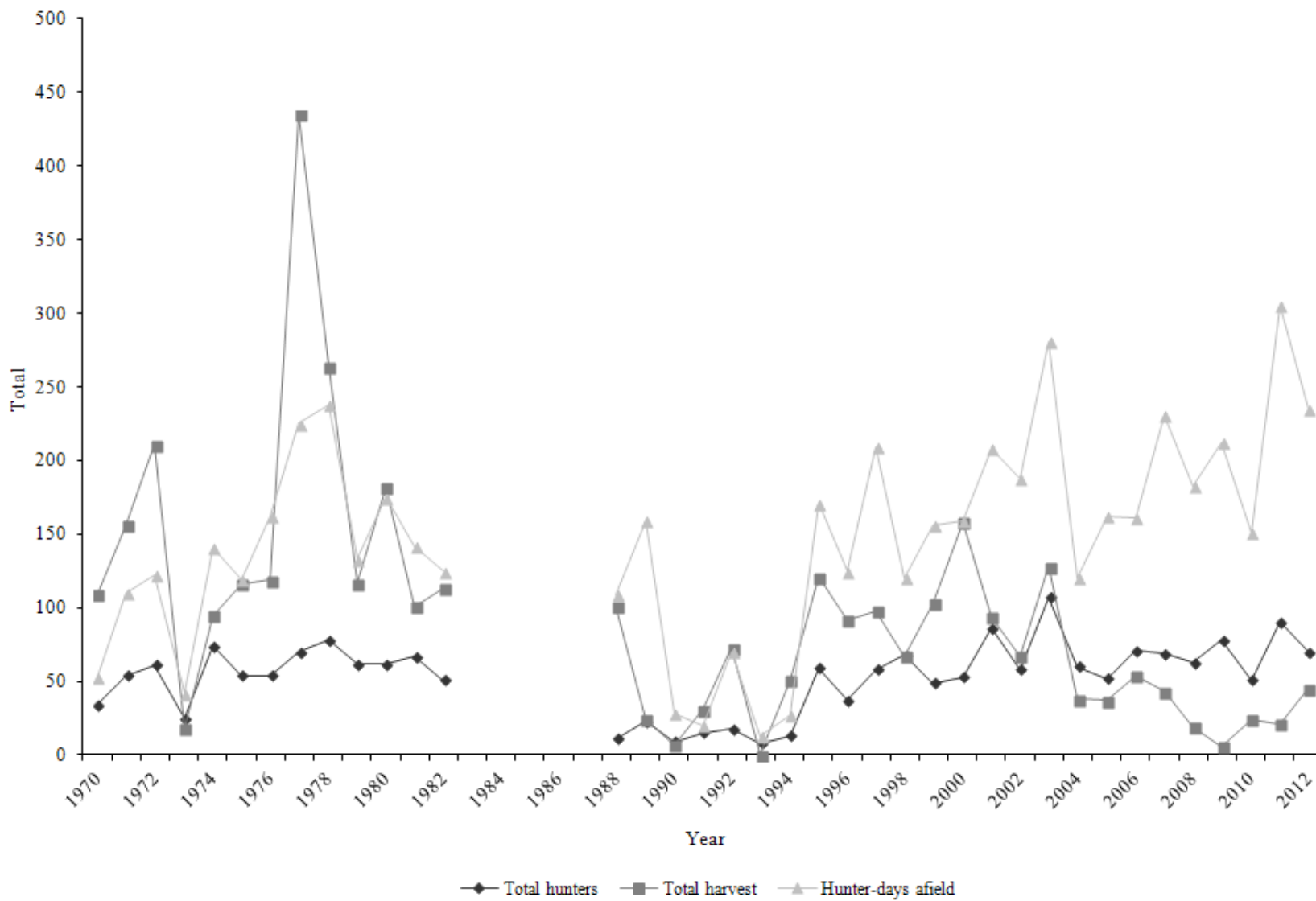
Percent of general upland game hunters afield who reported hunting each species or species group, Utah 2003–2013.

Species	Year									
	2003–04	2004–05	2005–06	2006–07	2007–08	2008–09	2009–10	2010–11	2011–12	2012–13
California quail	5.5	5.9	4.2	4.3	3.7	3.9	5.3	6.1	4.4	4.2
Chukar partridge	16.8	14.0	22.8	15.3	16.3	17.7	19.2	17.6	19.5	19.0
Cottontail rabbit	18.0	14.3	24.7	18.1	22.3	22.8	19.0	21.6	21.6	23.1
Dove	30.3	29.6	31.2	26.7	32.8	35.9	32.2	31.9	31.1	34.2
Forest grouse	32.5	32.0	26.3	28.2	26.8	32.6	31.5	30.1	27.7	34.6
Gambel’s quail	1.5	1.1	1.2	0.9	1.0	3.0	1.5	0.7	2.1	1.7
Gray (Hungarian) partridge	5.5	5.1	8.6	5.3	3.6	3.9	5.3	2.8	3.2	3.9
Ring-necked pheasant	43.0	30.2	52.9	40.4	45.1	45.3	49.0	50.8	49.6	50.0
Snowshoe hare	1.4	1.2	1.2	1.2	1.8	1.7	2.2	1.8	2.2	2.3

# BAND-TAILED PIGEON

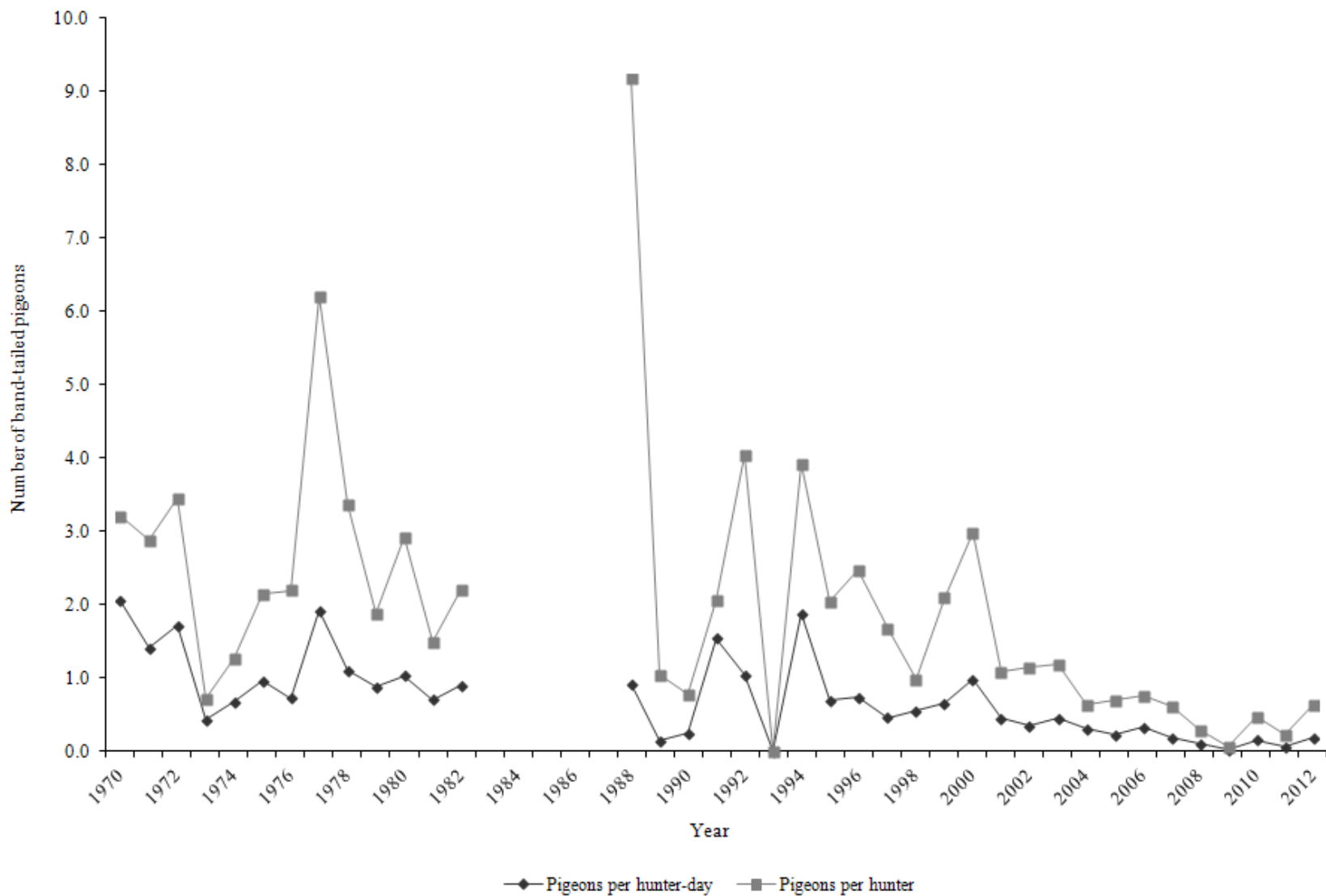


Statewide trends in band-tailed pigeon harvest statistics, Utah 1970–2012.



\*No data available 1983–1987.

Statewide trends in band-tailed pigeon hunter success, Utah 1970–2012.



\*No data available 1983–1987.

Band-tailed pigeon harvest statistics by region and county, Utah 2012.

Region and county	n	Hunters afield	Hunter-days afield	Pigeons bagged	Pigeons / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	0	0	—	—	—	—	—
Cache	0	0	—	—	—	—	—
Davis	3	8	8	0	0.0	3.4	0.0
Morgan	0	0	—	—	—	—	—
Rich	0	0	—	—	—	—	—
Summit	0	0	—	—	—	—	—
Weber	0	0	—	—	—	—	—
Regional total	3	8	8	0	0.0	3.4	0.0
Central Region							
Juab	1	3	3	0	0.0	1.3	0.0
Salt Lake	0	0	—	—	—	—	—
Sanpete	2	6	6	0	0.0	2.6	0.0
Tooele	2	6	6	0	0.0	2.6	0.0
Utah	5	14	17	14	0.8	7.2	31.1
Wasatch	0	0	—	—	—	—	—
Regional total	10	29	32	14	0.4	13.6	60.9
Southern Region							
Beaver	2	6	8	0	0.0	3.4	0.0
Garfield	3	8	8	0	0.0	3.4	0.0
Iron	1	3	3	0	0.0	1.3	0.0
Kane	1	3	3	0	0.0	1.3	0.0
Millard	0	0	—	—	—	—	—
Piute	1	3	6	0	0.0	2.6	0.0
Sevier	3	8	8	6	0.8	3.4	13.3
Washington	3	8	11	0	0.0	4.7	0.0
Wayne	0	0	—	—	—	—	—
Regional total	14	39	47	6	0.1	20.0	26.1
Northeastern Region							
Daggett	0	0	—	—	—	—	—
Duchesne	0	0	—	—	—	—	—
Uintah	0	0	—	—	—	—	—
Regional total	0	0	—	—	—	—	—
Southeastern Region							
Carbon	0	0	—	—	—	—	—
Emery	0	0	—	—	—	—	—
Grand	0	0	—	—	—	—	—
San Juan	2	6	17	0	0.0	7.2	0.0
Regional total	2	6	17	0	0.0	7.2	0.0
Unknown	2	6	14	3	0.2	6.0	6.7
Statewide total*	25	70	235	45	0.2	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 1970–2012.

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
2012	70	45	235	0.2	0.6
Average (1970–2011)	53	94	145	0.7	2.0
% change from previous year	-22	114	-23	178	176
% change from average	33	-52	62	-74	-68

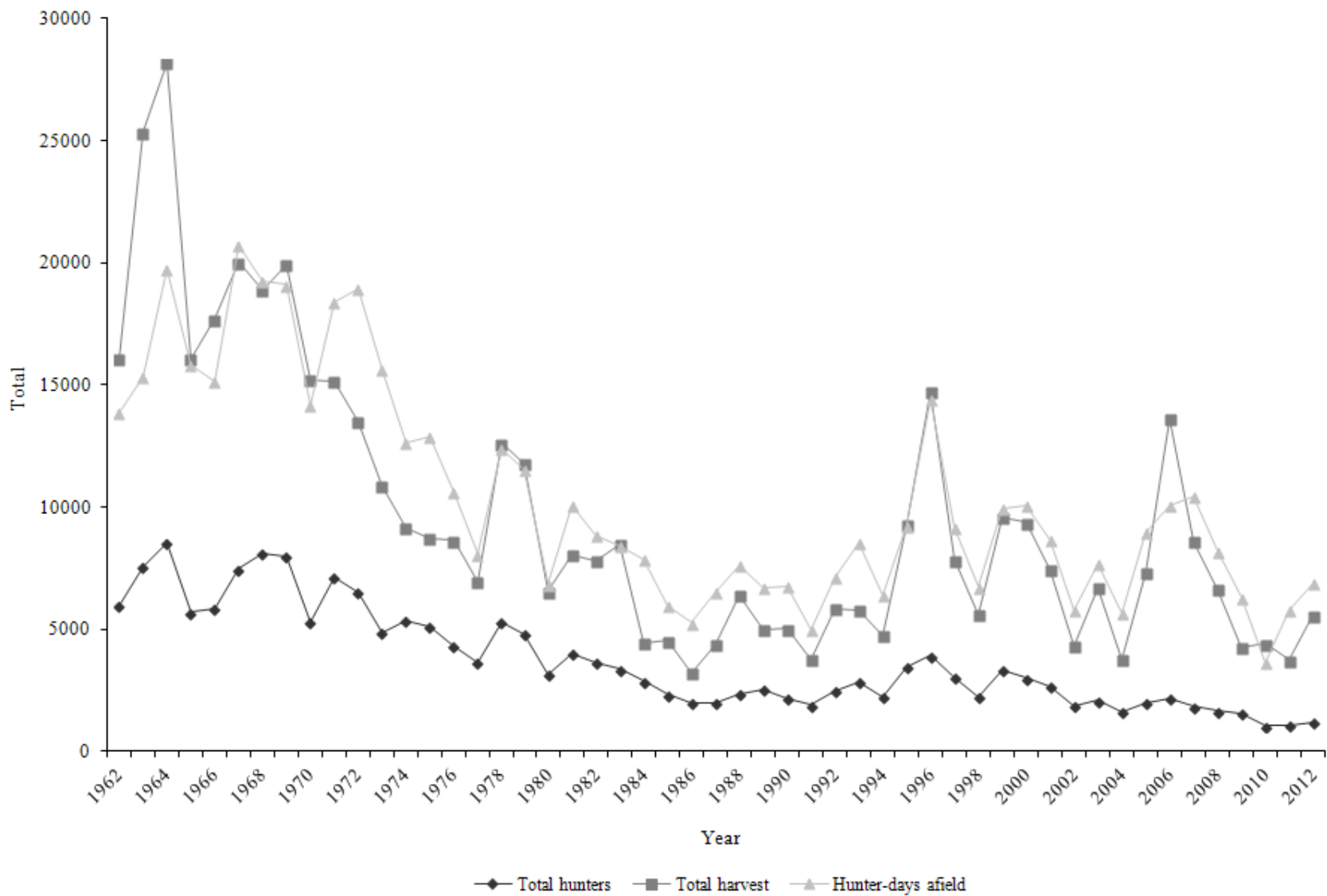
\*No data from 1983 to 1987.



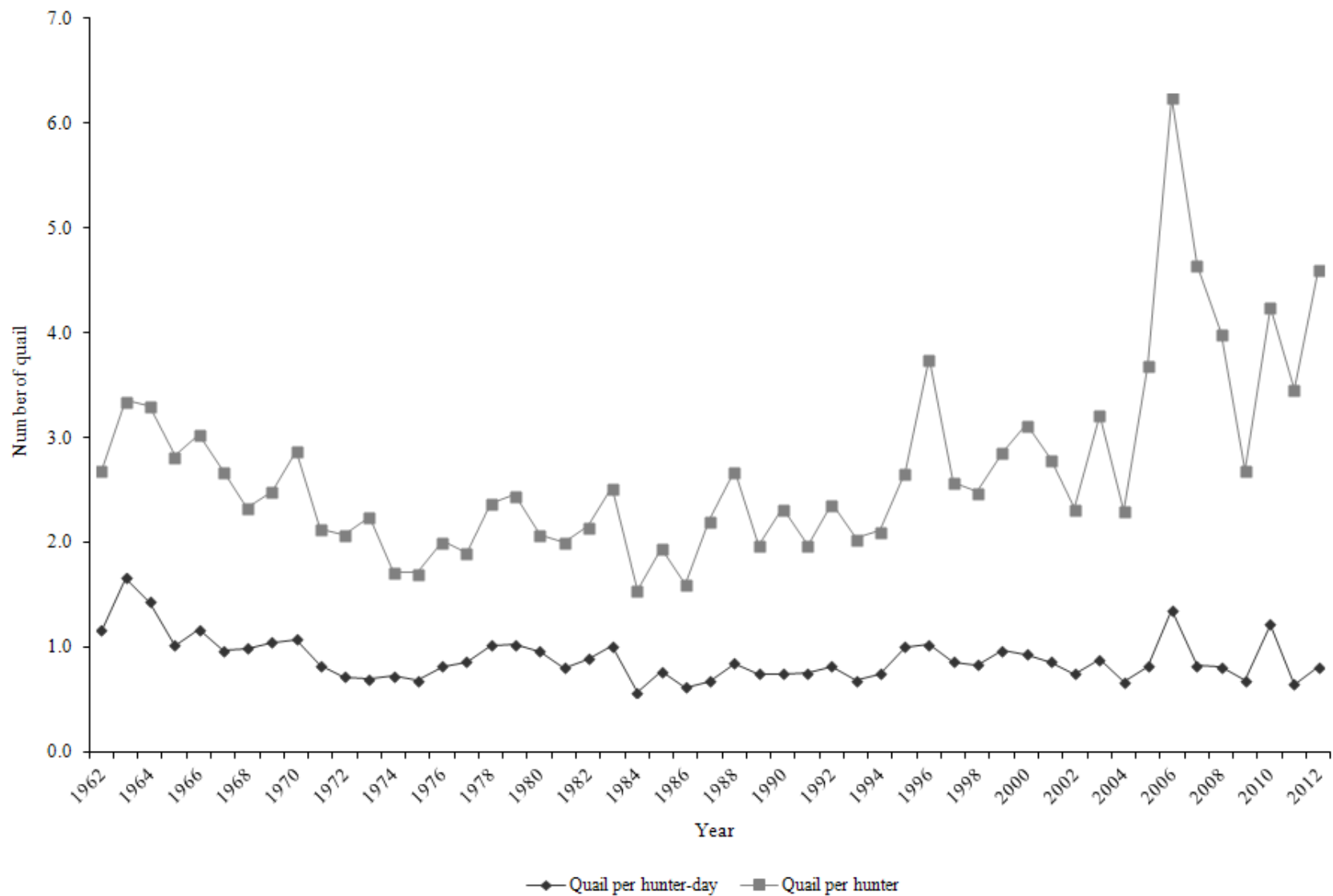
# CALIFORNIA QUAIL



Statewide trends of California quail harvest statistics, Utah 1962–2012.



Statewide trends of California quail hunter success, Utah 1962–2012.



## California quail harvest statistics by region and county, Utah 2012.

Region and county	n	Hunters afield	Hunter-days afield	Quail bagged	Quail / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	10	82	532	160	0.3	7.7	2.9
Cache	4	33	102	128	1.3	1.5	2.3
Davis	3	25	92	43	0.5	1.3	0.8
Morgan	0	0	—	—	—	—	—
Rich	0	0	—	—	—	—	—
Summit	2	16	72	0	0.0	1.0	0.0
Weber	9	74	287	289	1.0	4.1	5.2
Regional total	28	230	1085	620	0.6	15.7	11.1
Central Region							
Juab	1	8	31	128	4.1	0.4	2.3
Salt Lake	7	58	460	513	1.1	6.7	9.2
Sanpete	1	8	20	0	0.0	0.3	0.0
Tooele	6	49	368	171	0.5	5.3	3.1
Utah	16	132	1074	663	0.6	15.5	11.9
Wasatch	3	25	51	43	0.8	0.7	0.8
Regional total	34	280	2004	1518	0.8	29.0	27.2
Southern Region							
Beaver	0	0	—	—	—	—	—
Garfield	0	0	—	—	—	—	—
Iron*	3	25	430	534	1.2	6.2	9.6
Kane	0	0	—	—	—	—	—
Millard	6	49	256	406	1.6	3.7	7.3
Piute	0	0	—	—	—	—	—
Sevier	14	115	512	182	0.4	7.4	3.3
Washington	0	0	—	—	—	—	—
Wayne	2	16	51	75	1.5	0.7	1.3
Regional total	25	205	1249	1197	1.0	18.0	21.5
Northeastern Region							
Daggett	1	8	20	21	1.1	0.3	0.4
Duchesne	26	214	921	823	0.9	13.3	14.8
Uintah	25	206	1136	1250	1.1	16.4	22.4
Regional total	52	428	2077	2094	1.0	30.0	37.5
Southeastern Region							
Carbon	3	25	113	43	0.4	1.6	0.8
Emery	9	74	338	75	0.2	4.9	1.3
Grand	0	0	—	—	—	—	—
San Juan	0	0	—	—	—	—	—
Regional total	12	99	451	118	0.3	6.5	2.1
Unknown	4	33	51	32	0.6	0.7	0.6
Statewide total*	147	1212	6917	5578	0.8	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 1962–2012.

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 1962–2012 (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
2012	1212	5578	6917	0.8	4.6
Average (1951–2011)	3764	9729	10468	0.9	2.7
% change from previous year	12	49	19	25	33
% change from average	-68	-43	-34	-9	73

\*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 1996–2012.

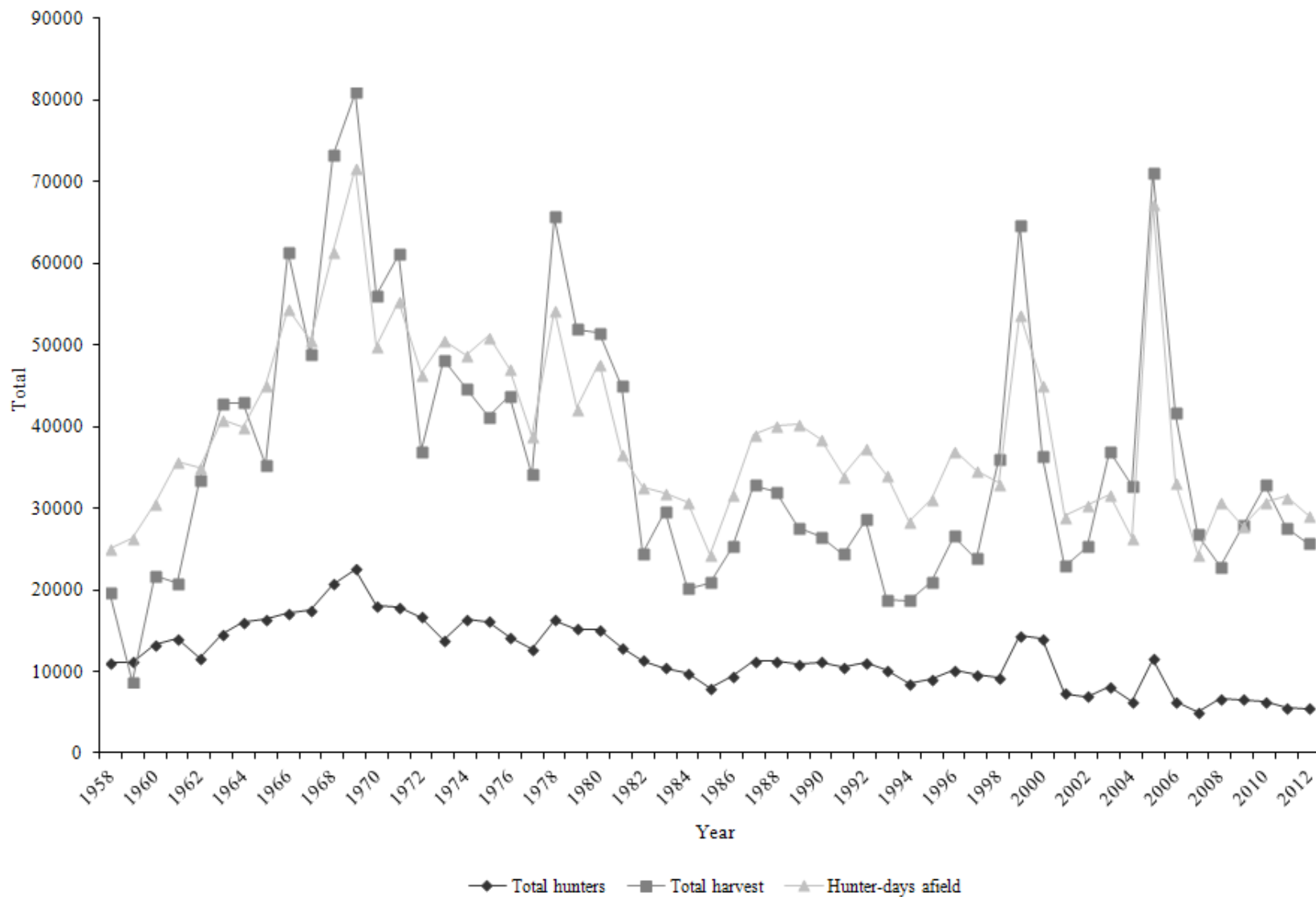
Year	Coveys flushed	Total chukars observed	Square miles surveyed	Chukars / square mile
1996	12	103	6.5	15.9
1997	18	295	8.0	36.9
1998	52	939	8.0	117.4
1999	65	623	8.0	77.9
2000	23	96	8.0	12.0
2001	9	68	8.0	8.5
2002	5	36	8.0	4.5
2003	27	238	8.0	29.8
2004	15	167	8.0	20.9
2005	36	566	8.0	70.8
2006	50	779	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
2012	25	229	5.0	45.8
Average (1996–2011)	25	273	7.2	35.7
% change from previous year	127	160	0	160
% change from average	2	-16	-30	28



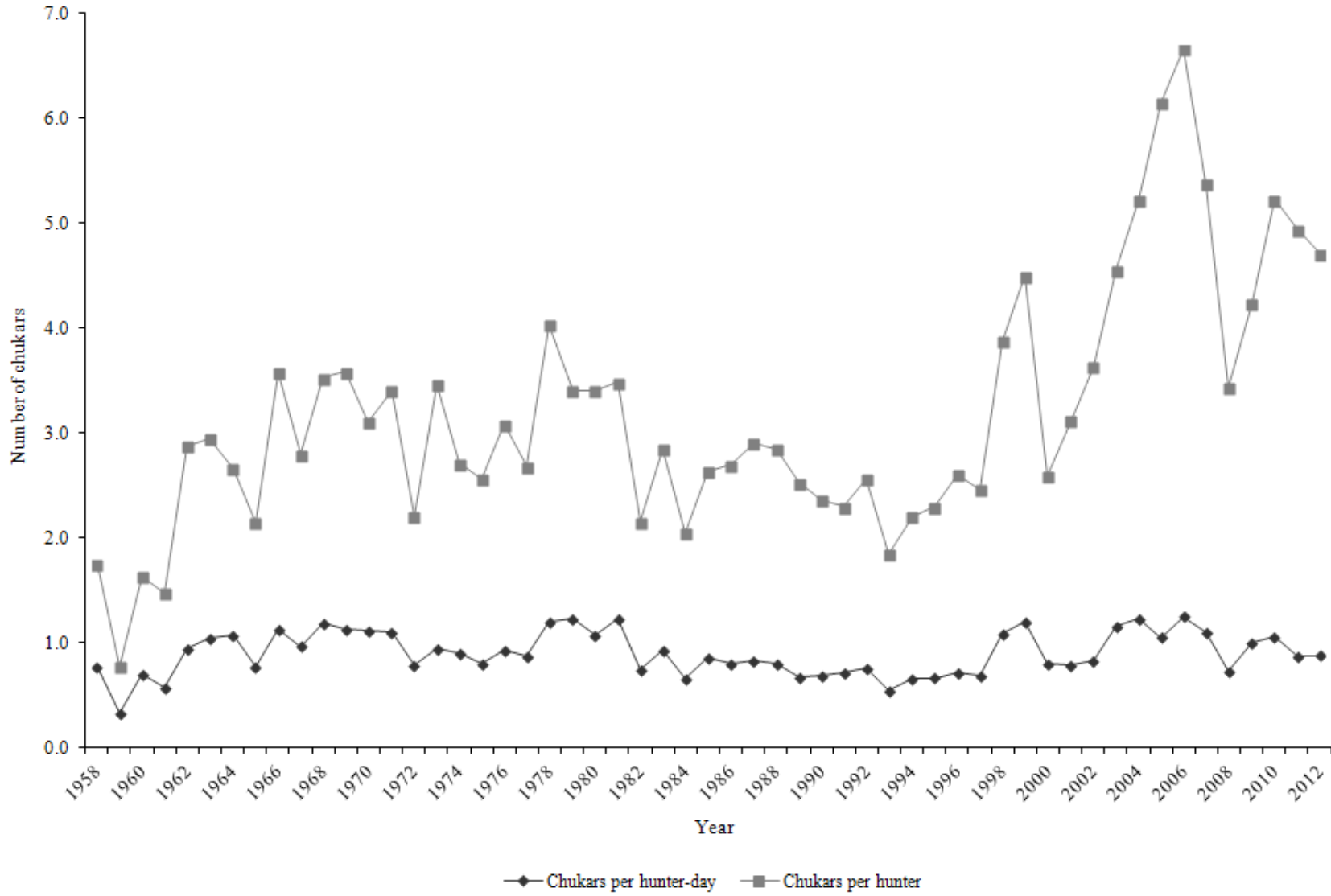
Chukar partridge aerial survey trends, Box Elder County, Utah 2009–2012.

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
2012	18	76	8.5	8.9
Average (2009–2011)	13	133	8.5	15.6
% change from previous year	-5	-67	0	-67
% change from average	42	-43	0	-43

Statewide trends of chukar partridge harvest statistics, Utah 1958–59 to 2012–13.



Statewide trends of chukar partridge hunter success, Utah 1958–59 to 2012–13.



## Chukar partridge harvest statistics by region and county, Utah 2012–13.

Region and county	n	Hunters afield	Hunter-days afield	Chukars bagged	Chukars / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	147	1115	4987	4800	1.0	17.2	18.7
Cache	32	243	993	554	0.6	3.4	2.2
Davis	2	15	85	84	1.0	0.3	0.3
Morgan	10	76	194	101	0.5	0.7	0.4
Rich	3	23	78	176	2.3	0.3	0.7
Summit	7	53	163	84	0.5	0.6	0.3
Weber	9	68	171	218	1.3	0.6	0.8
Regional total	210	1593	6671	6017	0.9	22.9	23.4
Central Region							
Juab	68	516	2094	2383	1.1	7.2	9.3
Salt Lake	10	76	566	529	0.9	1.9	2.1
Sanpete	33	250	1101	1158	1.1	3.8	4.5
Tooele	153	1161	5282	4297	0.8	18.2	16.7
Utah	153	1161	5328	5262	1.0	18.3	20.5
Wasatch	7	53	527	193	0.4	1.8	0.8
Regional total	424	3217	14898	13822	0.9	51.3	53.8
Southern Region							
Beaver	14	106	217	285	1.3	0.7	1.1
Garfield	2	15	39	0	0.0	0.1	0.0
Iron	8	61	240	101	0.4	0.8	0.4
Kane	1	8	8	8	1.0	0.0	0.0
Millard	31	235	799	1225	1.5	2.7	4.8
Piute	17	129	442	520	1.2	1.5	2.0
Sevier	51	387	2854	1821	0.6	9.8	7.1
Washington	20	152	442	151	0.3	1.5	0.6
Wayne	5	38	132	394	3.0	0.5	1.5
Regional total	149	1131	5173	4505	0.9	17.8	17.5
Northeastern Region							
Daggett	2	15	23	8	0.3	0.1	0.0
Duchesne	12	91	178	126	0.7	0.6	0.5
Uintah	13	99	434	67	0.2	1.5	0.3
Regional total	27	205	635	201	0.3	2.2	0.8
Southeastern Region							
Carbon	11	83	496	227	0.5	1.7	0.9
Emery	17	129	520	235	0.5	1.8	0.9
Grand	14	106	341	252	0.7	1.2	1.0
San Juan	4	30	93	117	1.3	0.3	0.5
Regional total	46	348	1450	831	0.6	5.0	3.2
Unknown	15	114	240	319	1.3	0.8	1.2
Statewide total*	718	5448	29068	25696	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 2012–13.

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 2012–13 (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
2012–13	5448	25696	29068	0.9	4.7
Average (1958–2012)	12011	36612	39404	0.9	3.2
% change from previous year	-2	-7	-8	1	-5
% change from average	-55	-30	-26	-2	49

**COTTONTAIL RABBIT**  
**(Desert & Mountain)**



CLARK BRANSON

Statewide trends of cottontail rabbit summer roadside counts, Utah 1967–2012.

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
2012	1243	248	51	0.14
Average (1967–2011)	1108	341	78	0.30
% change from previous year	25	108	-5	17
% change from average	12	-27	-35	-53

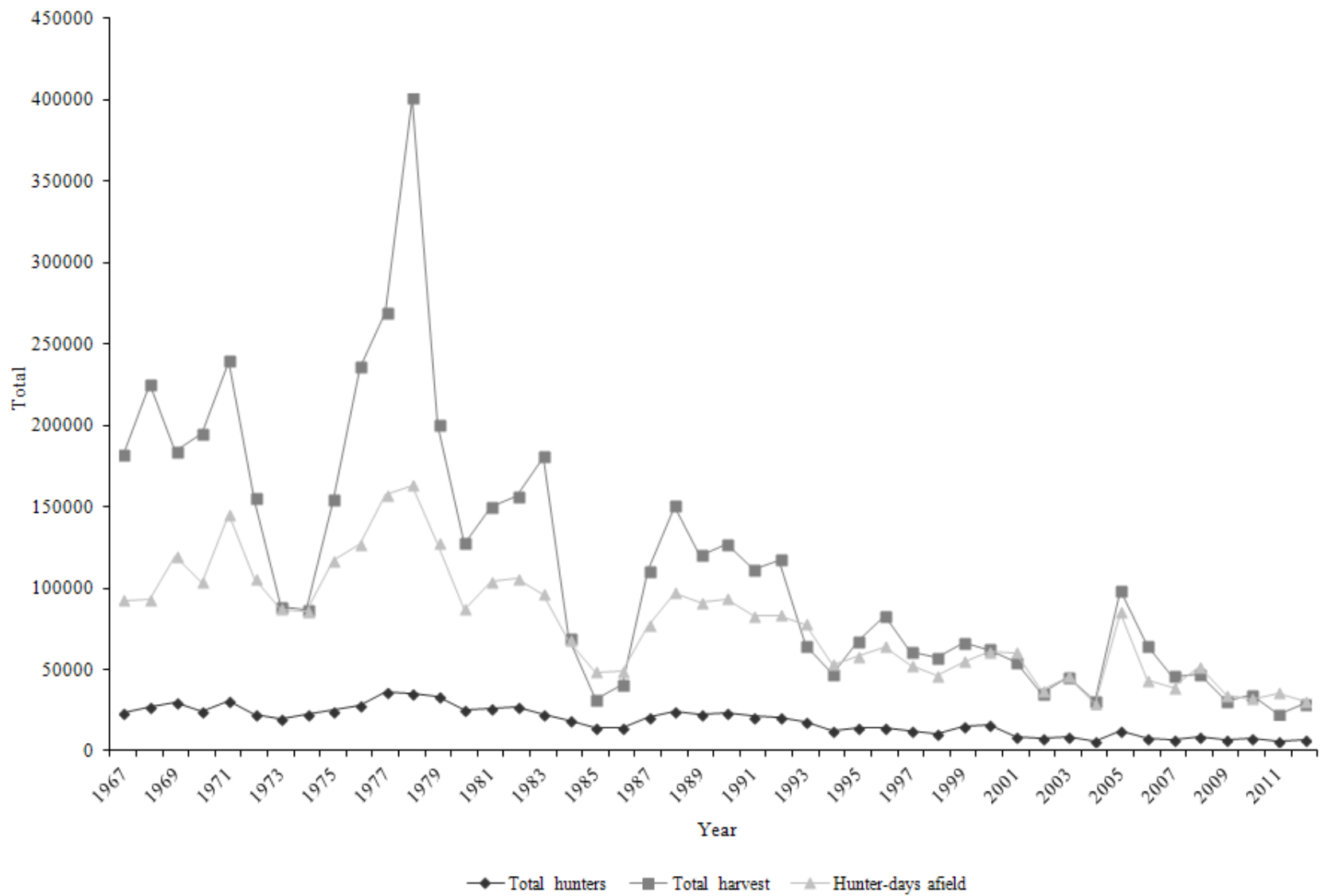
\*Cottontail rabbit roadside counts were discontinued from 2001–2009.



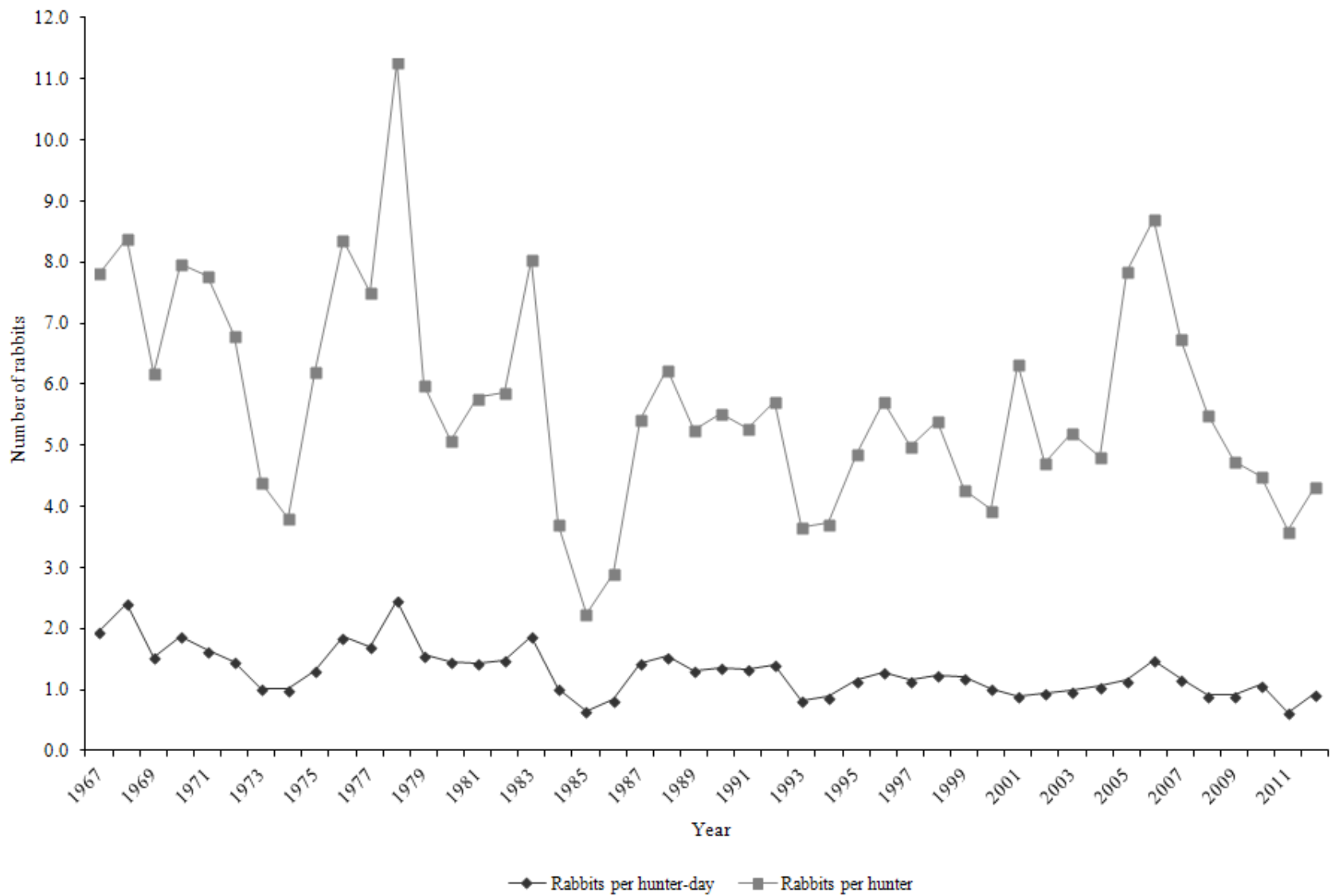
Cottontail rabbit summer roadside count summary, Utah 2012.

Region and county	Miles driven	Rabbits observed				Young / 100 adults	Rabbits / mile
		Adults	Young	Unclassified	Total		
Northern Region							
Box Elder	90	10	5	0	15	50.0	0.17
Cache	—	—	—	—	—	—	—
Davis	—	—	—	—	—	—	—
Morgan	—	—	—	—	—	—	—
Rich	90	1	0	0	1	0.0	0.01
Summit	—	—	—	—	—	—	—
Weber	—	—	—	—	—	—	—
Regional total	180	11	5	0	16	45.5	0.09
Central Region							
Juab	—	—	—	—	—	—	—
Salt Lake	—	—	—	—	—	—	—
Sanpete	90	2	0	0	2	0.0	0.02
Tooele	90	3	2	1	6	66.7	0.07
Utah	—	—	—	—	—	—	—
Wasatch	—	—	—	—	—	—	—
Regional total	180	5	2	1	8	40.0	0.04
Southern Region							
Beaver	99	0	0	0	0	—	0.00
Garfield	91	0	0	0	0	—	0.00
Iron	90	28	2	3	33	7.1	0.37
Kane	—	—	—	—	—	—	—
Millard	—	—	—	—	—	—	—
Piute	—	—	—	—	—	—	—
Sevier	90	0	0	0	0	—	0.00
Washington	—	—	—	—	—	—	—
Wayne	60	5	5	0	10	100.0	0.17
Regional total	430	33	7	3	43	21.2	0.10
Northeastern Region							
Daggett	93	7	15	2	24	214.3	0.26
Duchesne	90	44	20	0	64	45.5	0.71
Uintah	—	—	—	—	—	—	—
Regional total	183	51	35	2	88	68.6	0.48
Southeastern Region							
Carbon	90	4	1	0	5	25.0	0.06
Emery	90	13	12	45	70	92.3	0.78
Grand	—	—	—	—	—	—	—
San Juan	90	13	3	2	18	23.1	0.20
Regional total	270	30	16	47	93	53.3	0.34
Statewide total	1243	130	65	53	248	50.0	0.20

Statewide trends of cottontail rabbit harvest statistics, Utah 1967–68 to 2012–13.



Statewide trends of cottontail rabbit hunter success, Utah 1967–68 to 2012–13.



Cottontail rabbit harvest statistics by region and county, Utah 2012–13.

Region and county	n	Hunters afield	Hunter-days afield	Rabbits bagged	Rabbits / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	118	873	2161	2250	1.0	7.1	7.8
Cache	23	170	520	534	1.0	1.7	1.9
Davis	7	52	264	460	1.7	0.9	1.6
Morgan	10	74	384	205	0.5	1.3	0.7
Rich	24	177	384	493	1.3	1.3	1.7
Summit	15	111	360	140	0.4	1.2	0.5
Weber	10	74	248	484	2.0	0.8	1.7
Regional total	207	1531	4321	4566	1.1	14.2	15.9
Central Region							
Juab	34	251	1025	772	0.8	3.4	2.7
Salt Lake	7	52	344	123	0.4	1.1	0.4
Sanpete	24	177	921	550	0.6	3.0	1.9
Tooele	84	621	2209	1880	0.9	7.2	6.6
Utah	87	643	2898	1979	0.7	9.5	6.9
Wasatch	27	200	897	509	0.6	2.9	1.8
Regional total	263	1944	8294	5813	0.7	27.1	20.3
Southern Region							
Beaver	17	126	688	468	0.7	2.3	1.6
Garfield	19	140	1001	682	0.7	3.3	2.4
Iron	21	155	608	550	0.9	2.0	1.9
Kane	10	74	664	181	0.3	2.2	0.6
Millard	20	148	528	460	0.9	1.7	1.6
Piute	12	89	256	230	0.9	0.8	0.8
Sevier	22	163	648	493	0.8	2.1	1.7
Washington	37	274	993	1363	1.4	3.2	4.8
Wayne	24	177	736	534	0.7	2.4	1.9
Regional total	182	1346	6122	4961	0.8	20.0	17.3
Northeastern Region							
Daggett	32	237	801	829	1.0	2.6	2.9
Duchesne	78	577	1969	3063	1.6	6.4	10.7
Uintah	81	599	2898	3514	1.2	9.5	12.3
Regional total	191	1413	5668	7406	1.3	18.6	25.8
Southeastern Region							
Carbon	57	421	2249	2307	1.0	7.4	8.0
Emery	48	355	1713	1700	1.0	5.6	5.9
Grand	17	126	416	870	2.1	1.4	3.0
San Juan	25	185	1113	739	0.7	3.6	2.6
Regional total	147	1087	5491	5616	1.0	18.0	19.6
Unknown	25	185	648	304	0.5	2.1	1.1
Statewide total*	895	6618	30548	28665	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 cottontail rabbit harvest statistics, Utah 1967–68 to 2012–13.

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

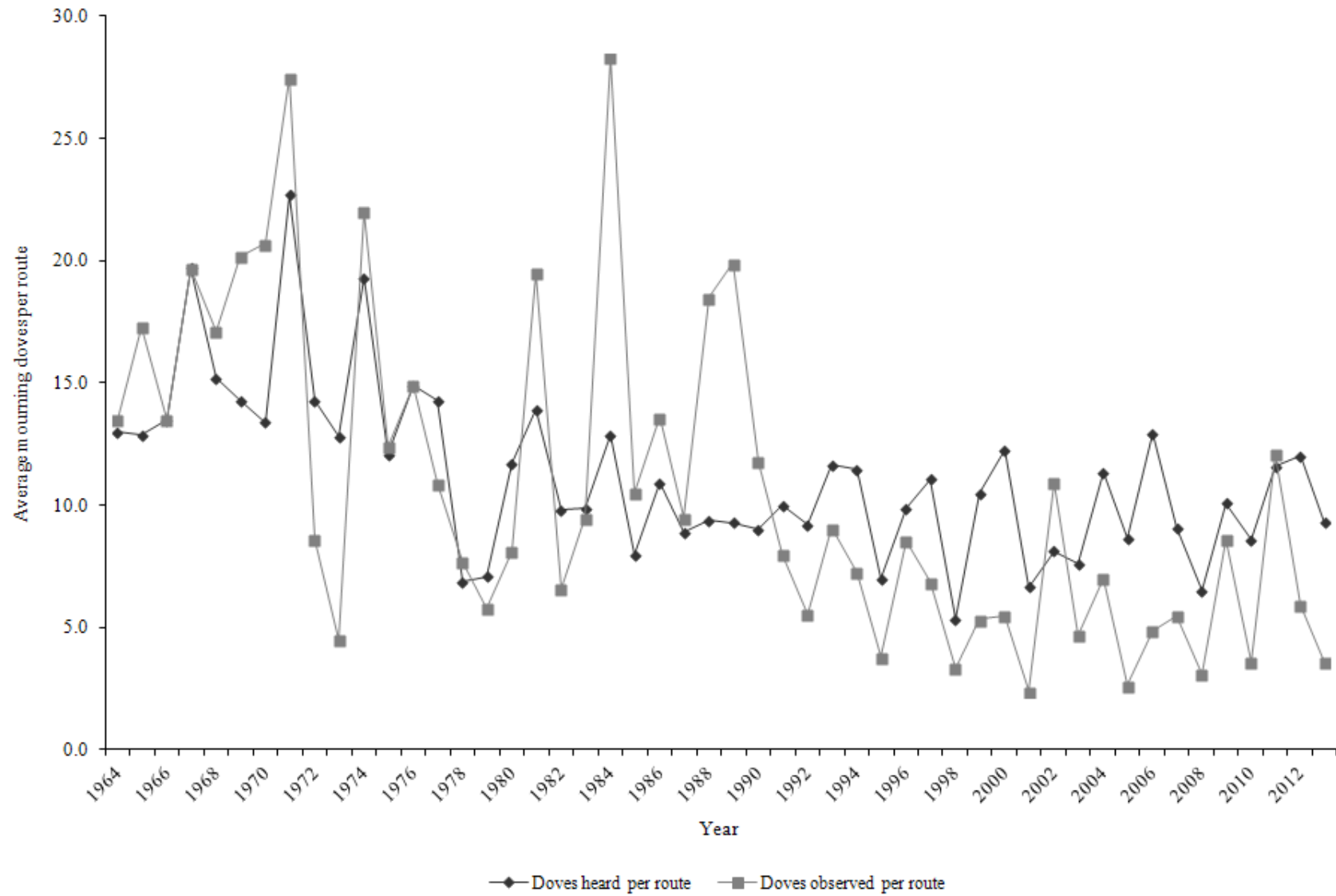
Statewide cottontail rabbit harvest statistics, Utah 1967–68 to 2012–13 (cont.).

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
2012–13	6618	28665	30548	0.9	4.3
Average (1967–2012)	18605	113964	79256	1.3	5.8
% change from previous year	7	29	-14	50	20
% change from average	-64	-75	-61	-29	-25

**DOVE**  
**(Mourning and White-winged)**



Mourning dove breeding density index trend, Utah 1964–2013.





Summary of mourning dove call-count surveys by region and county, Utah 2013.

Region and county	Route number	Doves heard / route	Doves observed / route
Northern Region			
Box Elder	R1500	10	16
Summit	R1020	2	2
Regional total		12	18
Central Region			
Juab	R2830	18	3
Regional total		18	3
Southern Region			
Beaver	R3820	20	6
Garfield	R1090	0	0
Iron	R4001	20	0
Millard	R3640	9	0
Sevier-Sanpete	R0370	2	9
Washington	R4311	11	1
Wayne-Sevier	R0660	25	0
Regional total		87	16
Northeastern Region			
Duchesne	R0080	1	2
Uintah	R0220	4	2
Regional total		5	4
Southeastern Region			
Emery	R0540	0	10
San Juan	R1171	10	3
San Juan	R1452	8	0
Regional total		18	13
Statewide total		140	54
Statewide average		9.3	3.6
Previous year average		12.0	5.9
% change from previous year		-22	-39

Statewide trends of mourning dove call-count surveys, Utah 1964–2013.

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 1964–2013 (cont.).

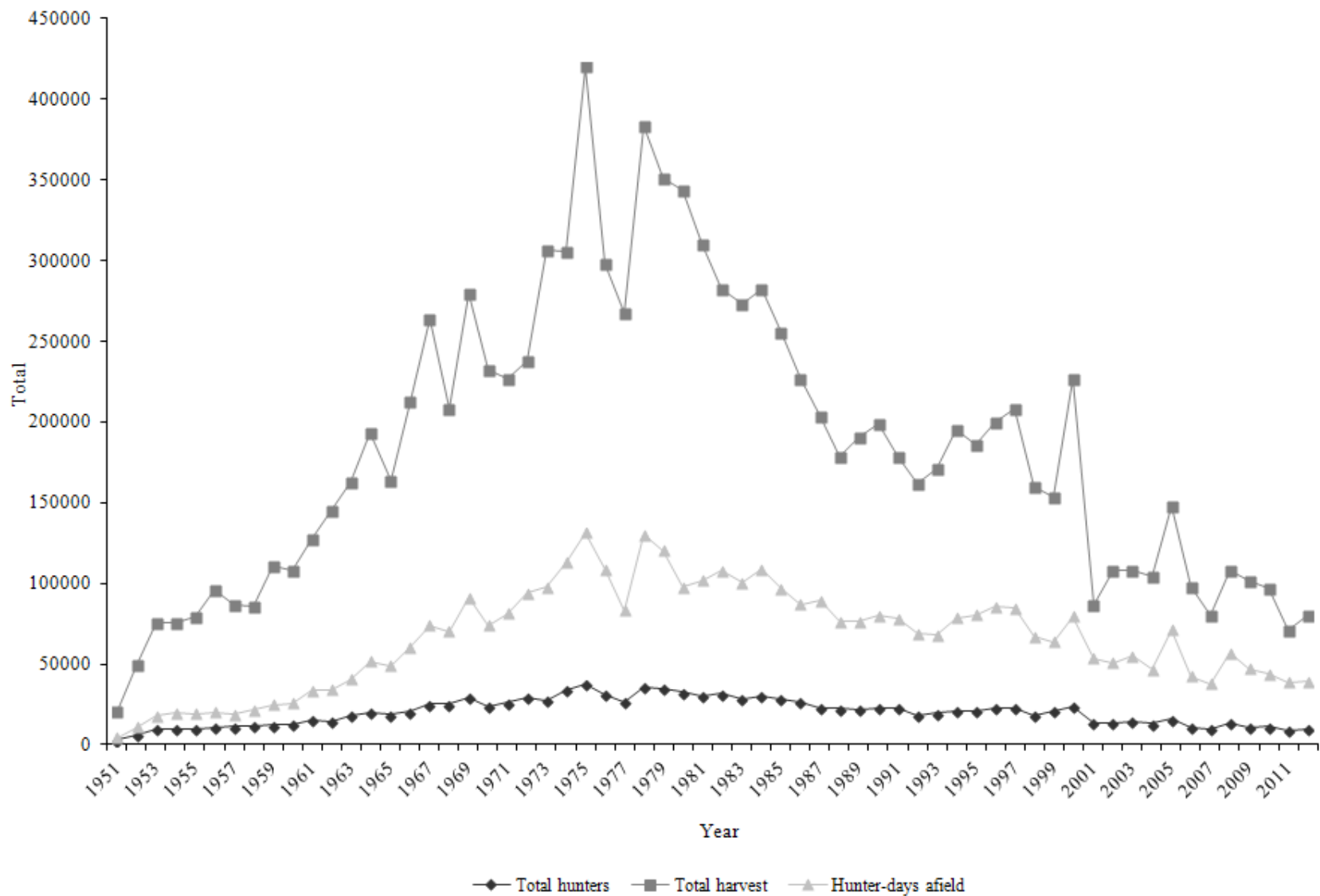
Year	Doves heard / route	Calls heard / route	Doves observed / route
2003	7.6	—	4.7
2004	11.3	—	7.0
2005	8.6	—	2.6
2006	12.9	—	4.9
2007	9.1	—	5.5
2008	6.5	—	3.1
2009	10.1	—	8.6
2010	8.6	—	3.6
2011	11.6	—	12.1
2012	12.0	—	5.9
2013	9.3	—	3.6
Average (1964–2012)	11.3	54.4	10.7
% change from previous year	-23	—	-39
% change from average	-17	—	-67

Mourning dove breeding population trend based on random call-count surveys, Utah 2004–2013.

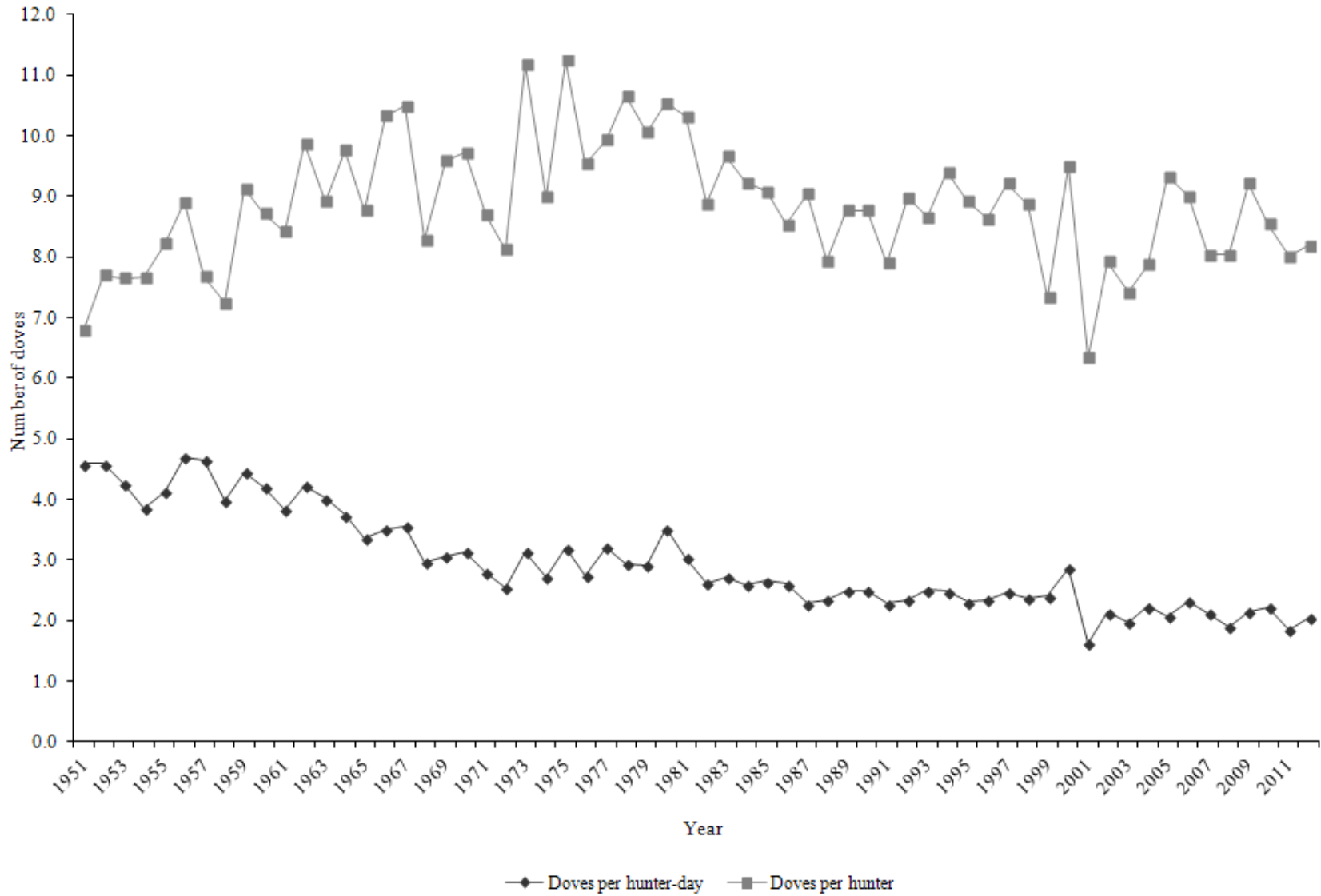
Region and county	Route number	Number of mourning doves heard / route									
		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Northern Region											
Box Elder	R1500	14	13	11	18	19	18	12	16	8	10
Summit	R1020	7	2	3	0	2	0	2	0	6	2
Regional total		21	15	14	18	21	18	14	16	14	12
Central Region											
Juab	R2830	37	34	38	34	5	33	—	31	37	18
Regional total		37	34	38	34	5	33	—	31	37	18
Southern Region											
Beaver	R3820	7	2	8	10	0	15	15	22	7	20
Garfield	R1090	5	3	18	7	0	0	0	1	0	0
Iron	R4001	27	23	41	20	12	31	19	41	45	20
Millard	R3640	1	—	6	4	3	7	14	28	8	9
Sevier-Sanpete	R0370	6	4	4	5	5	6	0	3	8	2
Washington	R4311	7	11	5	10	19	17	14	10	15	11
Wayne-Sevier	R0660	3	0	3	1	1	0	2	0	6	25
Regional total		56	43	85	57	40	76	64	105	89	87
Northeastern Region											
Duchesne	R0080	12	3	11	3	2	3	2	1	1	1
Uintah	R0220	6	15	14	9	3	4	10	4	4	4
Regional total		18	18	25	12	5	7	12	5	5	5
Southeastern Region											
Emery	R0540	10	3	2	6	2	1	1	0	0	0
San Juan	R1171	15	1	20	2	7	10	19	9	23	10
San Juan	R1451/R1452*	13	7	10	7	17	6	10	8	12	8
Regional total		38	11	32	15	26	17	30	17	35	18
Statewide total		170	121	194	136	97	151	120	174	180	140
Statewide average		11.3	8.6	12.9	9.1	6.5	10.1	8.6	11.6	12.0	9.3
% change from previous year		49	-24	50	-30	-29	55	-15	35	3	-22

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

Statewide trends of dove harvest statistics, Utah 1951–2012.



Statewide trends of dove hunter success, Utah 1951–2012.



Dove (mourning and white-winged) harvest statistics by region and county, Utah 2012.

Region and county	n	Hunters afield	Hunter-days afield	Doves bagged	Doves / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	142	1173	4124	8485	2.1	10.6	10.6
Cache	89	735	2592	5154	2.0	6.6	6.4
Davis	40	331	1011	2060	2.0	2.6	2.6
Morgan	11	91	190	384	2.0	0.5	0.5
Rich	4	33	95	118	1.2	0.2	0.1
Summit	10	83	379	562	1.5	1.0	0.7
Weber	102	843	3421	7450	2.2	8.8	9.3
Regional total	398	3289	11812	24213	2.0	30.3	30.2
Central Region							
Juab	106	876	2086	4277	2.1	5.4	5.3
Salt Lake	21	174	845	1626	1.9	2.2	2.0
Sanpete	53	438	1541	2750	1.8	4.0	3.4
Tooele	146	1206	3714	6573	1.8	9.5	8.2
Utah	250	2066	6937	14674	2.1	17.8	18.3
Wasatch	14	116	735	473	0.6	1.9	0.6
Regional total	590	4876	15858	30373	1.9	40.7	37.9
Southern Region							
Beaver	36	297	822	3272	4.0	2.1	4.1
Garfield	6	50	182	0	0.0	0.5	0.0
Iron	32	264	545	1390	2.6	1.4	1.7
Kane	3	25	71	30	0.4	0.2	0.0
Millard	87	719	2291	6780	3.0	5.9	8.5
Piute	11	91	442	443	1.0	1.1	0.6
Sevier	55	454	1572	2198	1.4	4.0	2.7
Washington	58	479	1904	4287	2.3	4.9	5.3
Wayne	11	91	277	453	1.6	0.7	0.6
Regional total	299	2470	8106	18853	2.3	20.8	23.5
Northeastern Region							
Daggett	3	25	71	69	1.0	0.2	0.1
Duchesne	22	182	680	1409	2.1	1.7	1.8
Uintah	29	240	877	1330	1.5	2.2	1.7
Regional total	54	447	1628	2808	1.7	4.2	3.5
Southeastern Region							
Carbon	15	124	340	443	1.3	0.9	0.6
Emery	21	174	561	907	1.6	1.4	1.1
Grand	4	33	32	69	2.2	0.1	0.1
San Juan	11	91	332	1360	4.1	0.9	1.7
Regional total	51	422	1265	2779	2.2	3.2	3.5
Unknown	16	132	316	1123	3.6	0.8	1.4
Statewide total*	1184	9784	38985	80150	2.1	100.0	100.0

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

Statewide dove harvest statistics, Utah 1951–2012.

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 1951–2012 (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
2012	9784	80150	38985	2.1	8.2
Average (1951–2011)	20262	184889	66289	3.0	8.9
% change from previous year	10	13	1	12	2
% change from average	-52	-57	-41	-31	-8

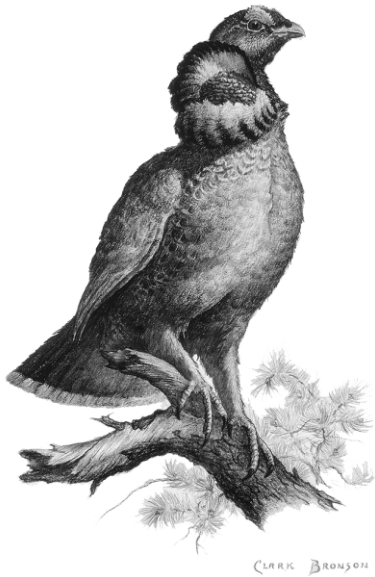
\*Beginning in 2004, hunters were allowed to harvest mourning doves, white-winged doves, and Eurasian collared-doves. Harvest numbers do not include Eurasian collared-doves.

Dove harvest by species, Utah 2006–2012.

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
2012	74028	63.8	4357	3.8	35803	30.9	1764	1.5	115952

# FOREST GROUSE

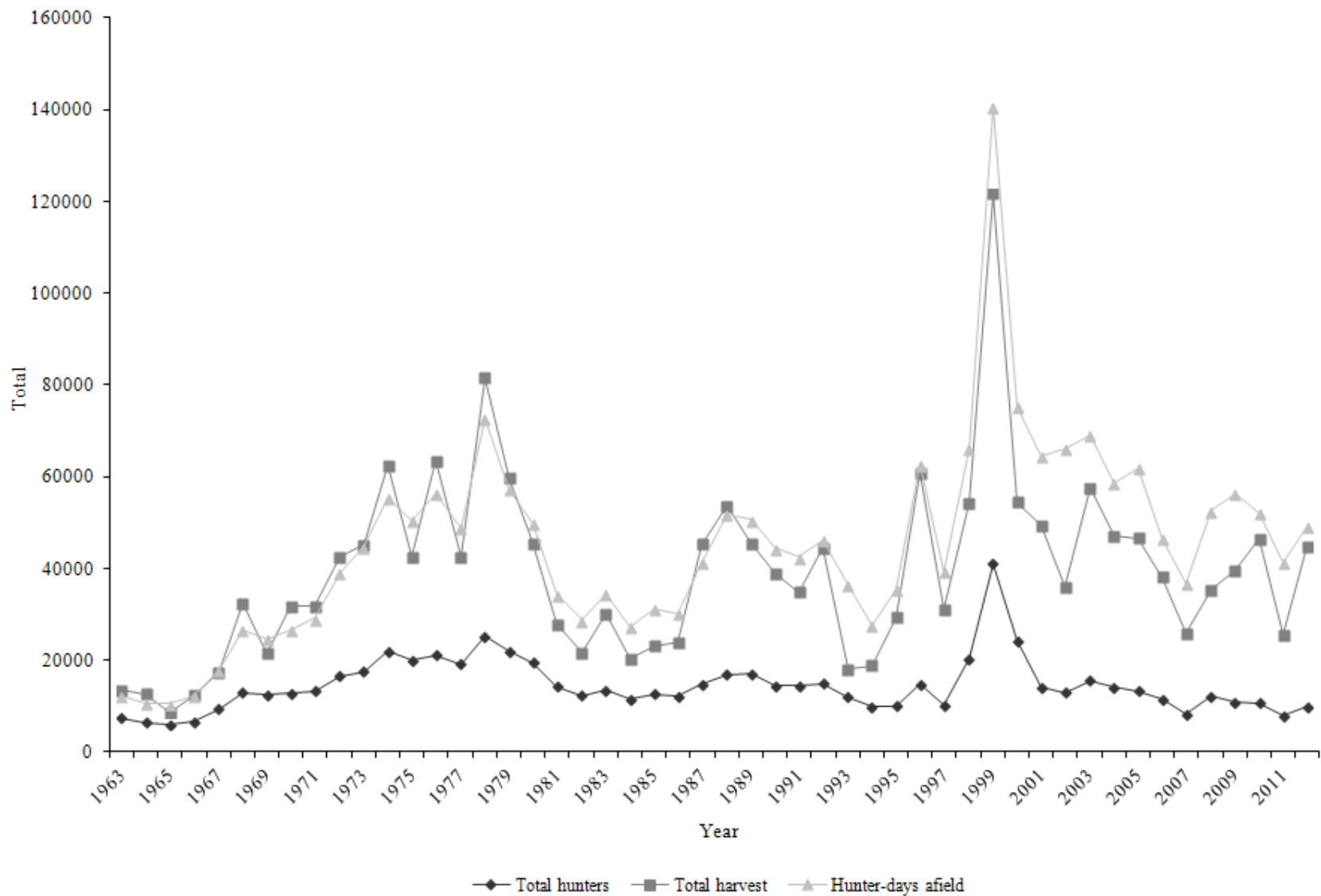
Dusky Grouse



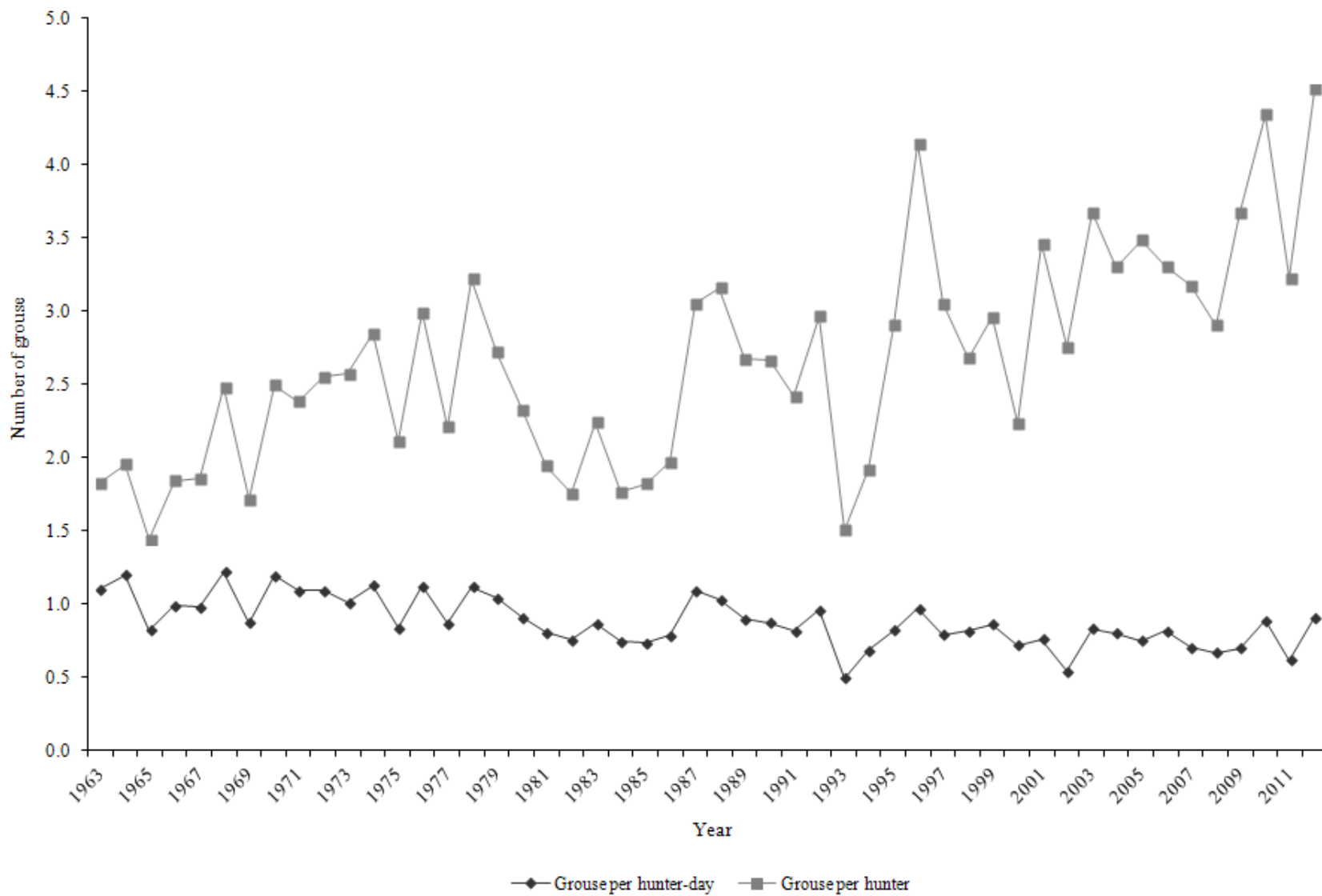
Ruffed Grouse



Statewide trends of forest grouse harvest statistics, Utah 1963–2012.



Statewide trends of forest grouse hunter success, Utah 1963–2012.



Forest grouse (dusky and ruffed) harvest statistics by region and county, Utah 2012.

Region and county	n	Hunters afield	Hunter-days afield	Grouse bagged	Grouse / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	48	358	1125	981	0.9	2.3	2.2
Cache	302	2253	11074	13398	1.2	22.5	29.9
Davis	46	343	935	581	0.6	1.9	1.3
Morgan	40	298	1087	1591	1.5	2.2	3.6
Rich	35	261	1680	1629	1.0	3.4	3.6
Summit	114	850	3177	2420	0.8	6.5	5.4
Weber	84	627	1877	1763	0.9	3.8	3.9
Regional total	669	4990	20955	22363	1.1	42.6	49.9
Central Region							
Juab	27	201	654	324	0.5	1.3	0.7
Salt Lake	25	187	813	1086	1.3	1.7	2.4
Sanpete	98	731	2592	1934	0.7	5.3	4.3
Tooele	37	276	851	353	0.4	1.7	0.8
Utah	185	1380	6498	5146	0.8	13.2	11.5
Wasatch	155	1156	4758	4860	1.0	9.7	10.9
Regional total	527	3931	16166	13703	0.8	32.8	30.6
Southern Region							
Beaver	20	149	357	467	1.3	0.7	1.0
Garfield	24	179	555	429	0.8	1.1	1.0
Iron	21	157	365	133	0.4	0.7	0.3
Kane	3	22	23	0	0.0	0.0	0.0
Millard	17	127	410	210	0.5	0.8	0.5
Piute	20	149	502	248	0.5	1.0	0.6
Sevier	79	589	2348	1868	0.8	4.8	4.2
Washington	6	45	228	257	1.1	0.5	0.6
Wayne	14	104	319	172	0.5	0.6	0.4
Regional total	204	1521	5107	3784	0.7	10.4	8.4
Northeastern Region							
Daggett	16	119	494	229	0.5	1.0	0.5
Duchesne	59	440	1581	1163	0.7	3.2	2.6
Uintah	63	470	1930	1610	0.8	3.9	3.6
Regional total	138	1029	4005	3002	0.7	8.1	6.7
Southeastern Region							
Carbon	23	172	616	667	1.1	1.3	1.5
Emery	29	216	927	267	0.3	1.9	0.6
Grand	11	82	258	181	0.7	0.5	0.4
San Juan	15	112	395	324	0.8	0.8	0.7
Regional total	78	582	2196	1439	0.7	4.5	3.2
Unknown	36	269	798	496	0.6	1.6	1.1
Statewide total*	1329	9915	49227	44787	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 forest grouse (dusky and ruffed) harvest statistics, Utah 1963–2012.

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 1963–2012 (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
2012	9915	44787	49227	0.9	4.5
Average (1963–2011)	14589	39085	44855	0.9	2.6
% change from previous year	25	75	19	46	40
% change from average	-32	15	10	3	72



Forest grouse harvest by species, Utah 1963–2012.

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 1963–2012 (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
2012	25680	57.3	16345	36.5	2765	6.2	44787
Average (1963–2011)	15232	40.0	20269	53.0	3584	7.0	39085
% change from previous year	116	23	32	-25	112	21	75
% change from average	69	43	-19	-31	-23	-12	15

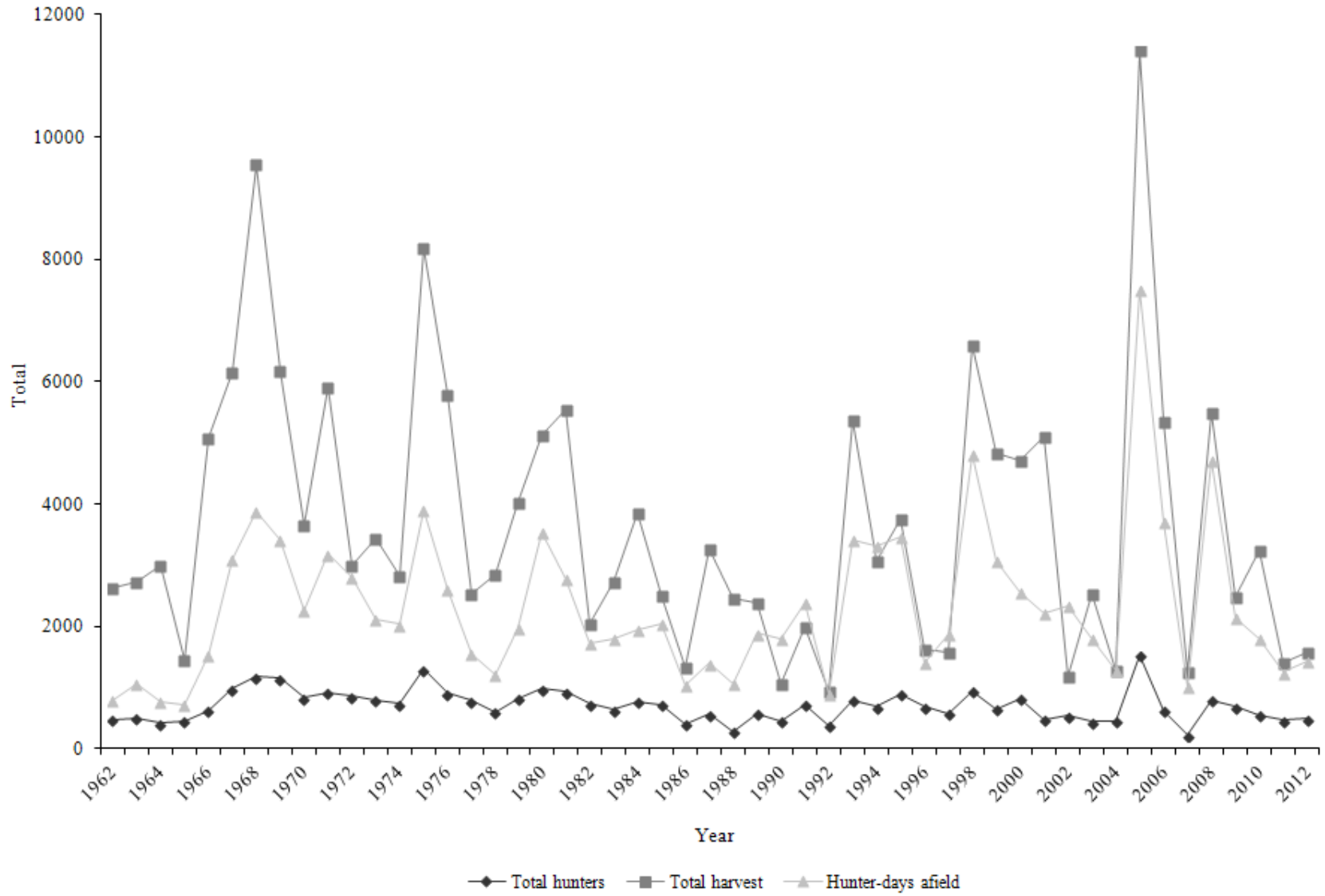
# GAMBEL'S QUAIL



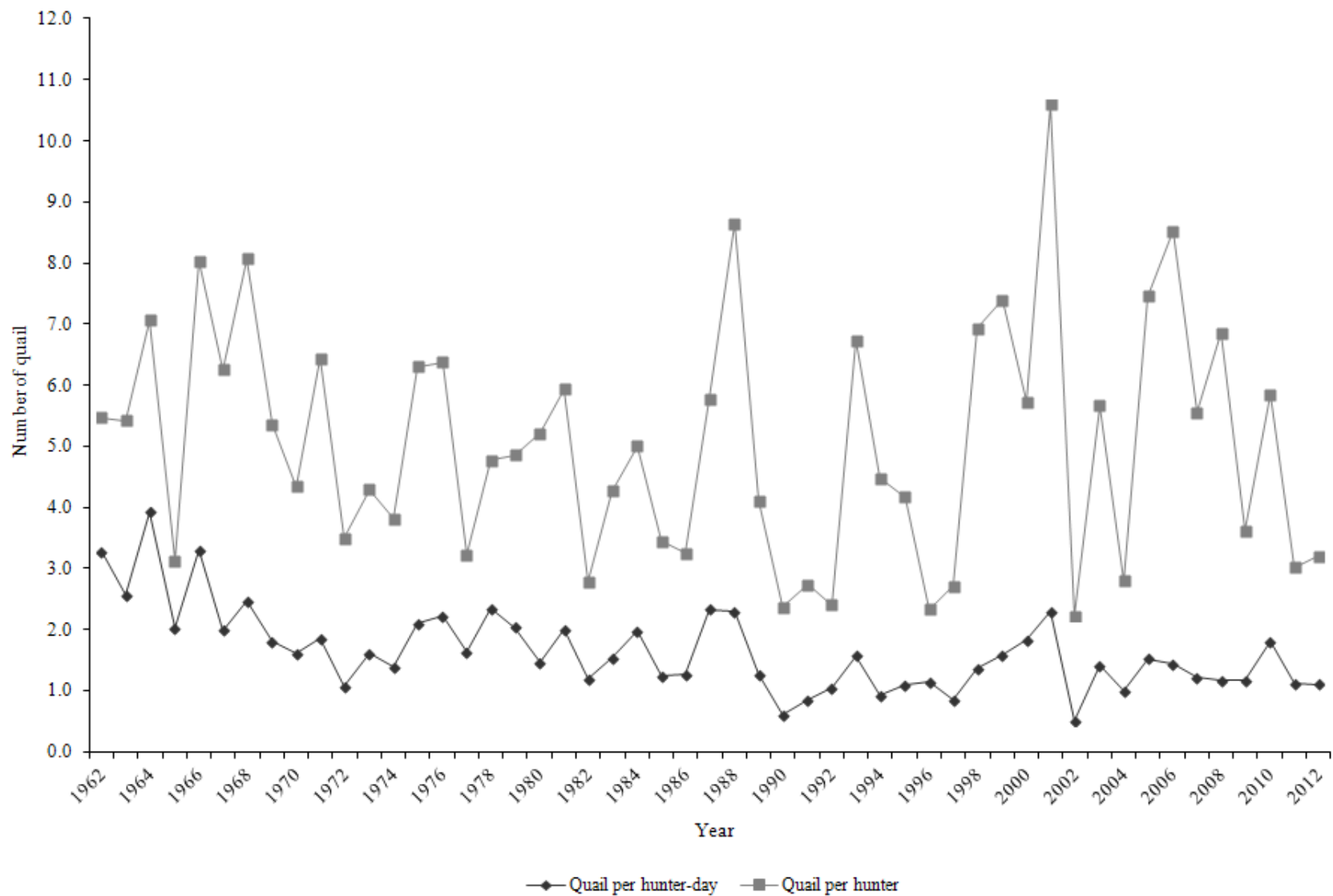
Gambel's quail waterhole trend counts, west slope of Beaver Dam Mountains, Washington County, Utah 1980–2012.

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
2012	8	8	16	100
Average (1980–2011)	169	60	228	308
% change from previous year	-80	-58	-73	-54
% change from average	-95	-87	-93	-68

Statewide trends of Gambel's quail harvest statistics, Utah 1962–2012.



Statewide trends of Gambel's quail hunter success, Utah 1962–2012.



Gambel's quail harvest statistics by region and county, Utah 2012.

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	6	17	11	0.6	1.2	0.7
Millard	—	—	—	—	—	—	—
Piute	—	—	—	—	—	—	—
Sevier	—	—	—	—	—	—	—
Washington	76	489	1415	1575	1.1	98.8	99.3
Wayne	—	—	—	—	—	—	—
Regional total	77	495	1432	1586	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*	77	495	1432	1586	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 1962–2012.

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 1962–2012 (cont.).

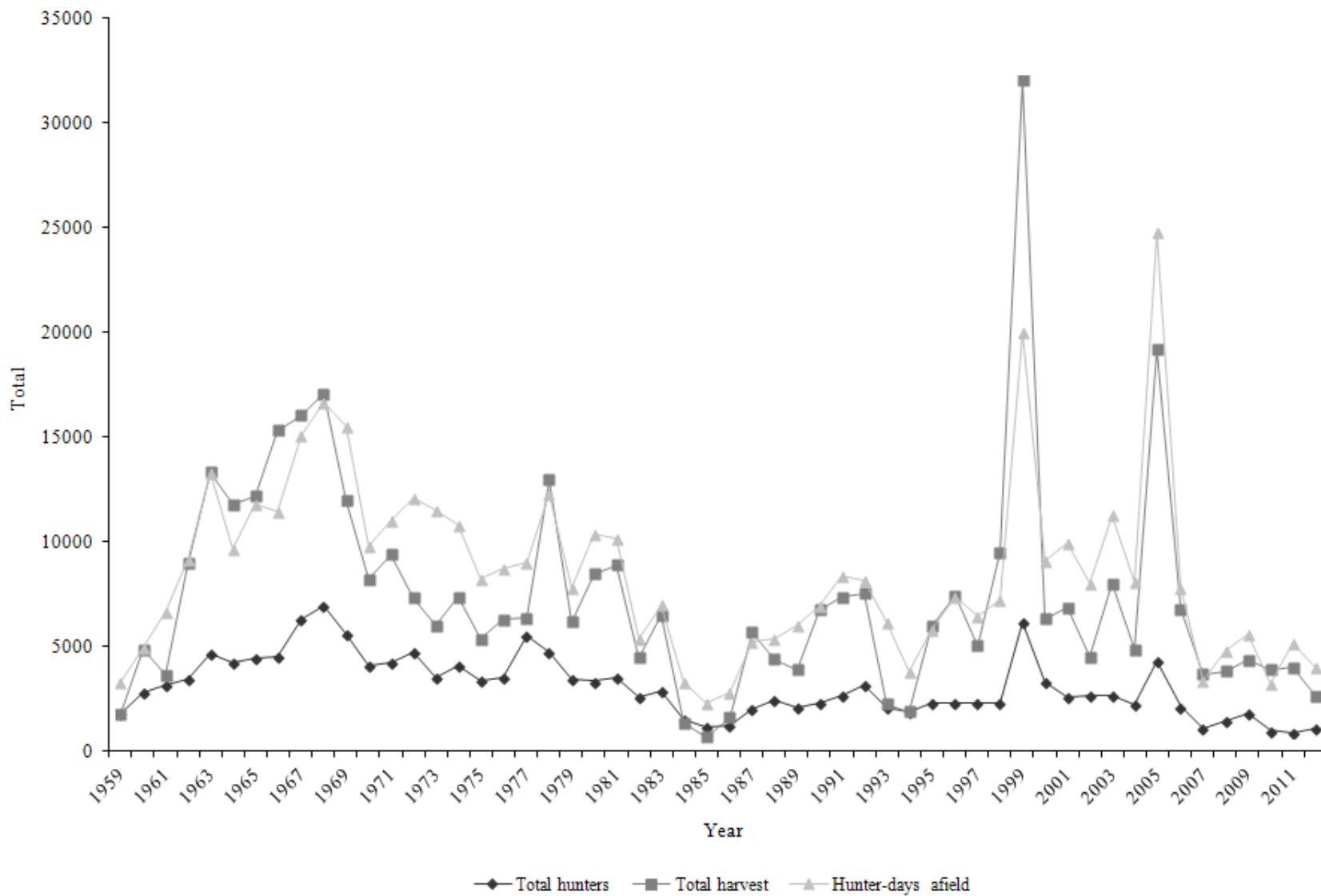
Year	Total hunters	Total harvest	Hunter-days afield	Quail / hunter-day	Quail / hunter
2002	539	1197	2335	0.5	2.2
2003	448	2537	1791	1.4	5.7
2004	463	1296	1296	1.0	2.8
2005	1530	11412	7496	1.5	7.5
2006	628	5353	3701	1.4	8.5
2007	225	1249	1019	1.2	5.6
2008	804	5509	4707	1.2	6.9
2009	688	2485	2141	1.2	3.6
2010	557	3255	1794	1.8	5.8
2011	468	1410	1250	1.1	3.0
2012	495	1586	1432	1.1	3.2
Average (1951–2011)	711	3734	2339	1.7	5.1
% change from previous year	6	12	15	-2	6
% change from average	-30	-58	-39	-34	-37

## GRAY (HUNGARIAN) PARTRIDGE



CLARK BRONSON

Statewide trends of gray (Hungarian) partridge harvest statistics, Utah 1959–60 to 2012–13.



Statewide trends of gray (Hungarian) partridge hunter success, Utah 1959–60 to 2012–13.



Gray (Hungarian) partridge harvest statistics by region and county, Utah 2012–13.

Region and county	n	Hunters afield	Hunter-days afield	Partridge bagged	Partridge / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	124	758	2325	1869	0.8	57.4	70.3
Cache	39	238	741	479	0.6	18.3	18.0
Davis	0	0	—	—	—	—	—
Morgan	2	12	27	13	0.5	0.7	0.5
Rich	1	6	5	6	1.2	0.1	0.2
Summit	3	18	69	45	0.7	1.7	1.7
Weber	2	12	43	65	1.5	1.1	2.4
Regional total	171	1044	3210	2477	0.8	79.2	93.2
Central Region							
Juab	1	6	11	0	0.0	0.3	0.0
Salt Lake	1	6	155	26	0.2	3.8	1.0
Sanpete	0	0	—	—	—	—	—
Tooele	4	24	53	19	0.4	1.3	0.7
Utah	2	12	165	45	0.3	4.1	1.7
Wasatch	3	18	272	65	0.2	6.7	2.4
Regional total	11	66	656	155	0.2	16.2	5.8
Southern Region							
Beaver	0	0	—	—	—	—	—
Garfield	1	6	16	0	0.0	0.4	0.0
Iron	0	0	—	—	—	—	—
Kane	0	0	—	—	—	—	—
Millard	0	0	—	—	—	—	—
Piute	0	0	—	—	—	—	—
Sevier	2	12	32	0	0.0	0.8	0.0
Washington	1	6	21	0	0.0	0.5	0.0
Wayne	0	0	—	—	—	—	—
Regional total	4	24	69	0	0.0	1.7	0.0
Northeastern Region							
Daggett	0	0	—	—	—	—	—
Duchesne	0	0	—	—	—	—	—
Uintah	2	12	85	0	0.0	2.1	0.0
Regional total	2	12	85	0	0.0	2.1	0.0
Southeastern Region							
Carbon	0	0	—	—	—	—	—
Emery	0	0	—	—	—	—	—
Grand	0	0	—	—	—	—	—
San Juan	0	0	—	—	—	—	—
Regional total	0	0	—	—	—	—	—
Unknown	4	24	32	26	0.8	0.8	1.0
Statewide total*	183	1119	4052	2659	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.

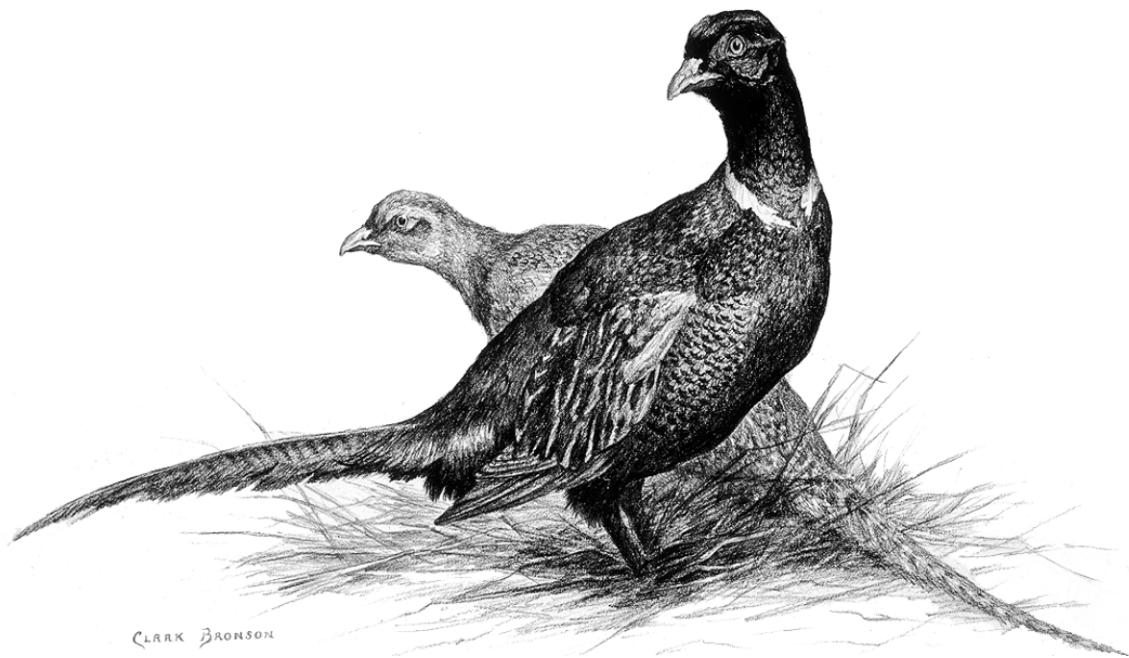
Statewide gray (Hungarian) partridge harvest statistics, Utah 1955–56 to 2012–13.

Year	Total hunters	Total harvest	Hunter-days afield	Partridge / hunter-day	Partridge / 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 gray (Hungarian) partridge harvest statistics, Utah 1955–56 to 2012–13 (cont.).

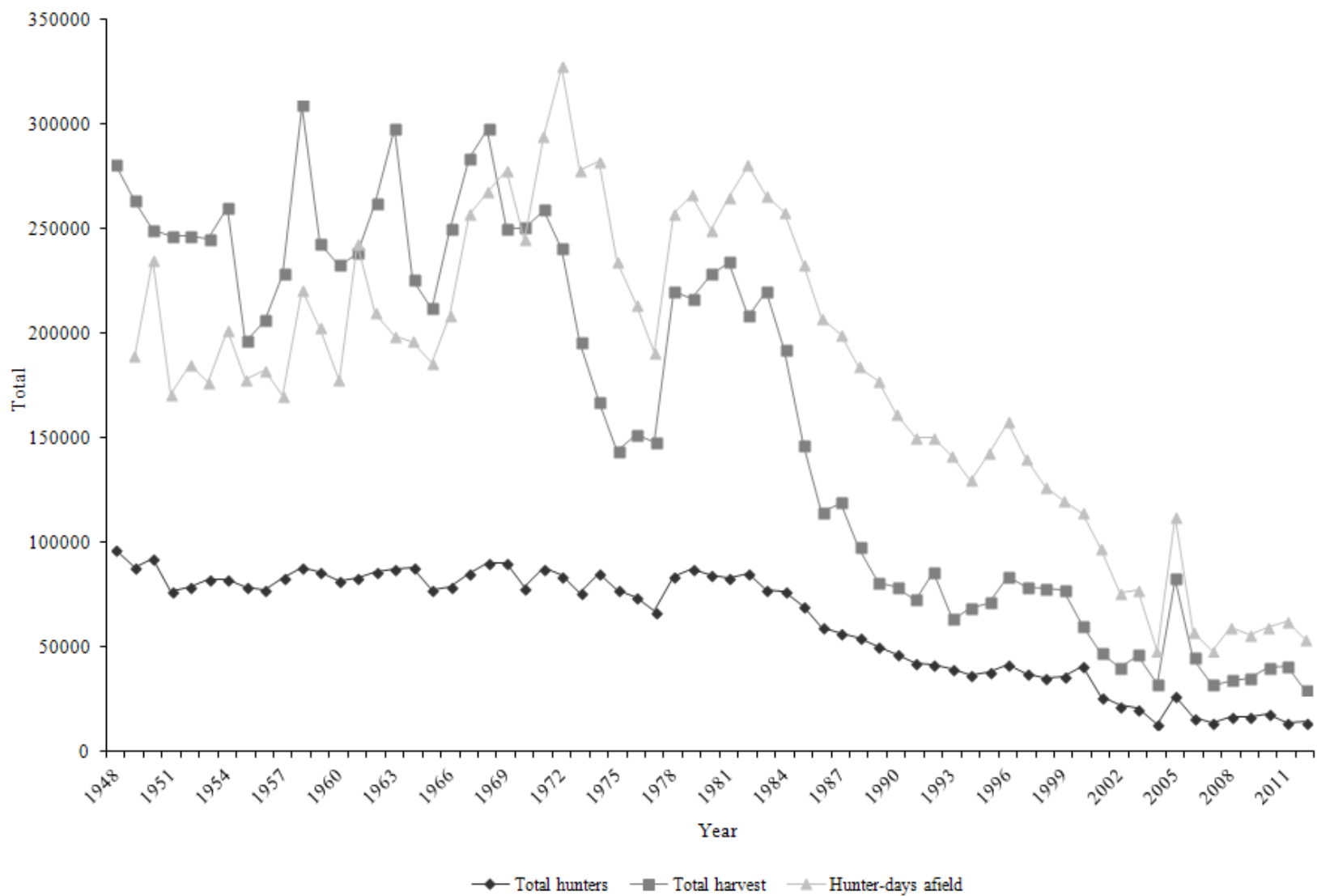
Year	Total hunters	Total harvest	Hunter-days afield	Partridge / hunter-day	Partridge / hunter
1991–92	2662	7376	8367	0.9	2.8
1992–93	3198	7553	8192	0.9	2.4
1993–94	2090	2280	6194	0.4	1.1
1994–95	1899	1916	3832	0.5	1.0
1995–96	2294	5967	5812	1.0	2.6
1996–97	2299	7455	7409	1.0	3.2
1997–98	2328	5071	6443	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
2012–13	1119	2659	4052	0.7	2.4
Average (1955–2012)	3143	7570	8659	0.8	2.4
% change from previous year	22	-34	-21	-16	-45
% change from average	-64	-65	-53	-21	1

# RING-NECKED PHEASANT





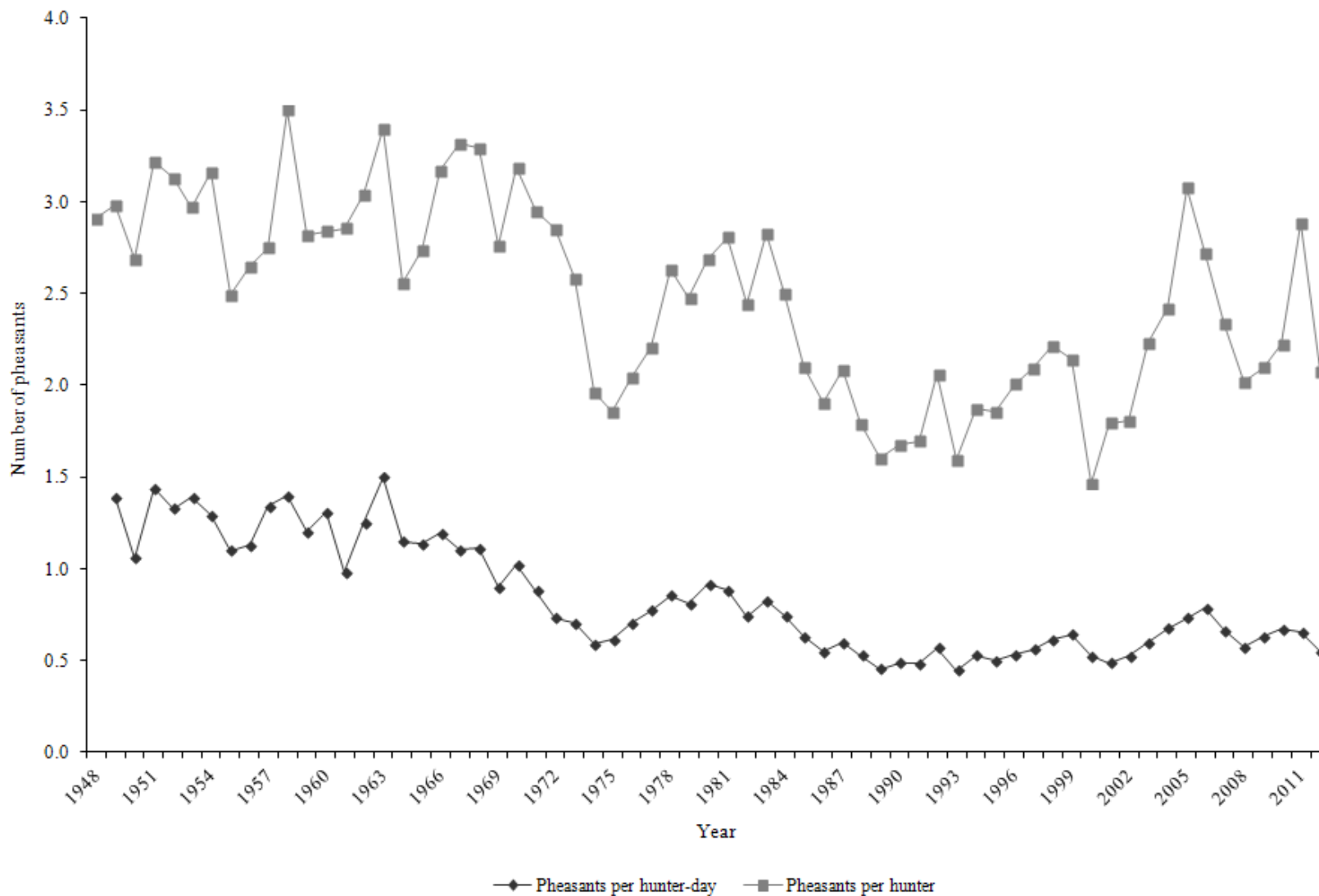
Statewide trends of ring-necked pheasant harvest statistics, Utah 1948–2012.



\*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 1948–2012.



\*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 2012.

Region and county	n	Hunters afield	Hunter-days afield	Pheasants bagged	Pheasants / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	286	2478	8277	5561	0.7	15.4	18.7
Cache	308	2669	10780	6695	0.6	20.0	22.5
Davis	107	927	2653	1258	0.5	4.9	4.2
Morgan	2	17	47	19	0.4	0.1	0.1
Rich	4	35	66	38	0.6	0.1	0.1
Summit	0	0	—	—	—	—	—
Weber	168	1456	5381	1891	0.4	10.0	6.4
Regional total	875	7582	27204	15462	0.6	50.5	52.1
Central Region							
Juab	52	451	1397	530	0.4	2.6	1.8
Salt Lake	29	251	656	634	1.0	1.2	2.1
Sanpete	85	737	2522	1362	0.5	4.7	4.6
Tooele	77	667	2090	709	0.3	3.9	2.4
Utah	334	2894	8746	4899	0.6	16.2	16.5
Wasatch	3	26	28	47	1.7	0.1	0.2
Regional total	580	5026	15439	8181	0.5	28.7	27.5
Southern Region							
Beaver	6	52	131	19	0.1	0.2	0.1
Garfield	3	26	56	19	0.3	0.1	0.1
Iron	8	69	319	57	0.2	0.6	0.2
Kane	1	9	9	28	3.1	0.0	0.1
Millard	58	503	1275	898	0.7	2.4	3.0
Piute	2	17	19	9	0.5	0.0	0.0
Sevier	78	676	2681	1088	0.4	5.0	3.7
Washington	14	121	422	123	0.3	0.8	0.4
Wayne	10	87	225	851	3.8	0.4	2.9
Regional total	180	1560	5137	3092	0.6	9.5	10.4
Northeastern Region							
Daggett	2	17	19	9	0.5	0.0	0.0
Duchesne	56	485	1434	936	0.7	2.7	3.2
Uintah	55	477	2212	738	0.3	4.1	2.5
Regional total	113	979	3665	1683	0.5	6.8	5.7
Southeastern Region							
Carbon	13	113	441	113	0.3	0.8	0.4
Emery	45	390	1144	605	0.5	2.1	2.0
Grand	5	43	56	38	0.7	0.1	0.1
San Juan	2	17	28	0	0.0	0.1	0.0
Regional total	65	563	1669	756	0.5	3.1	2.5
Unknown	33	286	722	530	0.7	1.3	1.8
Statewide total*	1652	14315	53835	29704	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.

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

Statewide ring-necked pheasant harvest statistics, Utah 1948–2012.

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 1948–2012 (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
2012	14315	29704	53835	0.6	2.1
Average (1948–2011)	62641	163415	183183	0.8	2.5
% change from previous year	1	-27	-13	-16	-28
% change from average	-77	-82	-71	-35	-16

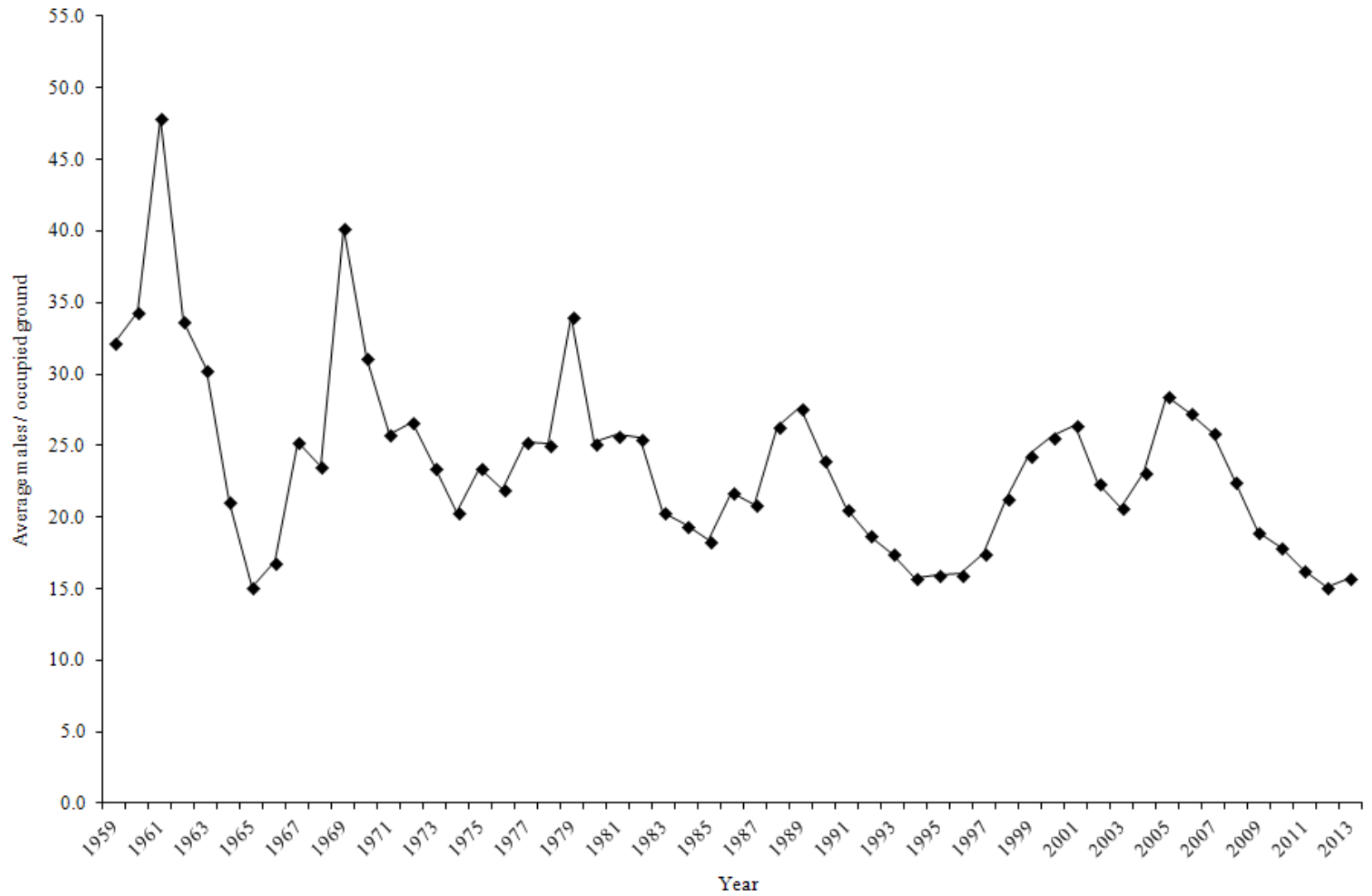
\*Starting in 2001, harvest data are likely biased high due to possibility of hunters reporting harvest from commercial hunting areas.

**SAGE-GROUSE**  
**(Greater and Gunnison)**



*CARR BRAYTON*

Statewide trends of average greater sage-grouse males per occupied strutting ground, Utah 1959–2013.



Greater sage-grouse strutting ground counts by county for the Northern Region, Utah 2004–2013.

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Average (2004–2012)
<b>Box Elder</b>											
Number of strutting grounds visited	59	53	62	60	63	63	59	56	85	72	62
Number of strutting grounds occupied	51	44	45	42	44	36	41	34	43	41	42
Total male grouse counted	1194	1208	1098	915	701	329	395	372	540	571	750
Average males / occupied ground	23.4	27.5	24.4	21.8	15.9	9.1	9.6	10.9	12.6	13.9	17.3
<b>Cache</b>											
Number of strutting grounds visited	3	1	2	3	3	4	4	3	4	0	3
Number of strutting grounds occupied	1	1	2	3	2	3	4	3	4	—	3
Total male grouse counted	14	9	47	53	47	33	86	33	45	—	41
Average males / occupied ground	14.0	9.0	23.5	17.7	23.5	11.0	21.5	11.0	11.3	—	15.8
<b>Morgan</b>											
Number of strutting grounds visited	2	4	3	3	4	5	6	4	6	4	4
Number of strutting grounds occupied	1	3	1	1	2	3	4	2	4	4	2
Total male grouse counted	20	39	19	31	10	41	63	28	25	25	31
Average males / occupied ground	20.0	13.0	19.0	31.0	5.0	13.7	15.8	14.0	6.3	6.3	15.3
<b>Rich</b>											
Number of strutting grounds visited	38	34	37	37	47	43	46	38	45	34	41
Number of strutting grounds occupied	30	29	32	33	32	32	43	27	32	26	32
Total male grouse counted	907	1292	1268	1318	1256	1404	1481	671	554	401	1128
Average males / occupied ground	30.2	44.6	39.6	39.9	39.3	43.9	34.4	24.9	17.3	15.4	34.9
<b>Summit</b>											
Number of strutting grounds visited	6	6	4	5	5	5	4	4	4	3	5
Number of strutting grounds occupied	3	3	4	4	4	4	4	4	4	3	4
Total male grouse counted	99	93	76	68	108	72	108	102	85	63	90
Average males / occupied ground	33.0	31.0	19.0	17.0	27.0	18.0	27.0	25.5	21.3	21.0	24.3
<b>Northern Region total</b>											
Number of strutting grounds visited	108	98	108	108	122	120	119	105	144	113	115
Number of strutting grounds occupied	86	80	84	83	84	78	96	70	87	74	83
Total male grouse counted	2234	2641	2508	2385	2122	1879	2133	1206	1249	1060	2040
Average males / occupied ground	26.0	33.0	29.9	28.7	25.3	24.1	22.2	17.2	14.4	14.3	24.5



Greater sage-grouse strutting ground counts by county for the Central Region, Utah 2004–2013.

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Average (2004–2012)
<b>Juab</b>											
Number of strutting grounds visited	2	2	2	3	4	4	4	3	4	4	3
Number of strutting grounds occupied	1	1	1	3	4	4	4	1	3	4	2
Total male grouse counted	12	11	30	40	48	24	16	7	16	28	23
Average males / occupied ground	12.0	11.0	30.0	13.3	12.0	6.0	4.0	7.0	5.3	7.0	11.2
<b>Sanpete</b>											
Number of strutting grounds visited	—	—	—	—	—	—	—	—	—	—	—
Number of strutting grounds occupied	—	—	—	—	—	—	—	—	—	—	—
Total male grouse counted	—	—	—	—	—	—	—	—	—	—	—
Average males / occupied ground	—	—	—	—	—	—	—	—	—	—	—
<b>Tooele</b>											
Number of strutting grounds visited	4	7	10	8	9	8	10	8	9	10	8
Number of strutting grounds occupied	2	6	9	8	6	8	9	6	6	4	7
Total male grouse counted	66	227	244	191	72	97	108	55	53	37	124
Average males / occupied ground	33.0	37.8	27.1	23.9	12.0	12.1	12.0	9.2	8.8	9.3	19.5
<b>Utah</b>											
Number of strutting grounds visited	—	—	—	—	—	—	—	—	—	—	—
Number of strutting grounds occupied	—	—	—	—	—	—	—	—	—	—	—
Total male grouse counted	—	—	—	—	—	—	—	—	—	—	—
Average males / occupied ground	—	—	—	—	—	—	—	—	—	—	—
<b>Wasatch</b>											
Number of strutting grounds visited	5	4	2	1	2	2	2	3	3	3	3
Number of strutting grounds occupied	2	2	2	1	2	2	2	3	3	3	2
Total male grouse counted	84	86	146	65	69	77	76	85	71	67	84
Average males / occupied ground	42.0	43.0	73.0	65.0	34.5	38.5	38.0	28.3	23.7	22.3	42.9
<b>Central Region total</b>											
Number of strutting grounds visited	11	13	14	12	15	14	16	14	16	17	14
Number of strutting grounds occupied	5	9	12	12	12	14	15	10	12	11	11
Total male grouse counted	162	324	420	296	189	198	200	147	140	132	231
Average males / occupied ground	32.4	36.0	35.0	24.7	15.8	14.1	13.3	14.7	11.7	12.0	22.0

Greater sage-grouse strutting ground counts by county for the Southern Region, Utah 2004–2013.

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Average (2004–2012)
<b>Beaver</b>											
Number of strutting grounds visited	7	8	8	8	7	7	7	7	7	8	7
Number of strutting grounds occupied	4	3	4	5	5	5	5	4	5	5	4
Total male grouse counted	69	78	88	126	96	74	48	41	56	50	75
Average males / occupied ground	17.3	26.0	22.0	25.2	19.2	14.8	9.6	10.3	11.2	10.0	17.3
<b>Garfield</b>											
Number of strutting grounds visited	15	16	14	20	19	22	22	22	22	27	19
Number of strutting grounds occupied	12	10	10	13	13	15	11	9	8	15	11
Total male grouse counted	211	419	340	365	411	345	173	186	253	285	300
Average males / occupied ground	17.6	41.9	34.0	28.1	31.6	23.0	15.7	20.7	31.6	19.0	27.1
<b>Iron</b>											
Number of strutting grounds visited	7	7	12	19	17	17	18	19	23	25	15
Number of strutting grounds occupied	6	5	9	16	16	15	17	13	17	19	13
Total male grouse counted	63	72	151	332	293	263	231	173	203	210	198
Average males / occupied ground	10.5	14.4	16.8	20.8	18.3	17.5	13.6	13.3	11.9	11.1	15.2
<b>Kane</b>											
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	0	1	1	1
Total male grouse counted	5	12	13	4	3	2	1	—	4	12	6
Average males / occupied ground	5.0	12.0	13.0	4.0	3.0	2.0	1.0	—	4.0	12.0	5.5
<b>Millard</b>											
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 2004–2013 (cont.).

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Average (2004–2012)
<b>Piute</b>											
Number of strutting grounds visited	1	3	2	4	4	6	5	7	7	7	4
Number of strutting grounds occupied	1	3	2	4	4	6	5	5	6	6	4
Total male grouse counted	22	46	75	126	112	117	70	57	74	82	78
Average males / occupied ground	22.0	15.3	37.5	31.5	28.0	19.5	14.0	11.4	12.3	13.7	21.3
<b>Sevier</b>											
Number of strutting grounds visited	1	2	2	2	2	3	2	3	4	3	2
Number of strutting grounds occupied	1	2	2	2	2	3	2	2	3	2	2
Total male grouse counted	4	24	49	25	32	23	45	29	43	63	30
Average males / occupied ground	4.0	12.0	24.5	12.5	16.0	7.7	22.5	14.5	14.3	31.5	14.2
<b>Wayne</b>											
Number of strutting grounds visited	19	19	21	25	26	27	27	27	27	29	24
Number of strutting grounds occupied	15	17	20	25	23	23	21	19	17	20	20
Total male grouse counted	597	683	998	1069	805	522	462	516	481	614	681
Average males / occupied ground	39.8	40.2	49.9	42.8	35.0	22.7	22.0	27.2	28.3	30.7	34.2
<b>Southern Region total</b>											
Number of strutting grounds visited	53	58	62	81	78	85	84	88	93	102	76
Number of strutting grounds occupied	40	41	48	66	64	68	62	52	57	68	55
Total male grouse counted	971	1334	1714	2047	1752	1346	1030	1002	1114	1316	1368
Average males / occupied ground	24.3	32.5	35.7	31.0	27.4	19.8	16.6	19.3	19.5	19.4	25.1

Greater sage-grouse strutting ground counts by county for the Northeastern Region, Utah 2004–2013.

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Average (2004–2012)
<b>Daggett</b>											
Number of strutting grounds visited	7	7	12	12	14	12	12	12	12	12	11
Number of strutting grounds occupied	6	7	12	9	7	7	6	6	7	5	7
Total male grouse counted	175	229	286	200	87	54	68	44	52	48	133
Average males / occupied ground	29.2	32.7	23.8	22.2	12.4	7.7	11.3	7.3	7.4	9.6	17.1
<b>Duchesne</b>											
Number of strutting grounds visited	8	13	16	21	16	15	19	20	20	15	16
Number of strutting grounds occupied	7	6	11	11	6	7	7	7	8	9	8
Total male grouse counted	39	69	137	151	102	86	106	106	140	140	104
Average males / occupied ground	5.6	11.5	12.5	13.7	17.0	12.3	15.1	15.1	17.5	15.6	13.4
<b>Uintah</b>											
Number of strutting grounds visited	35	39	44	44	42	45	42	43	50	54	43
Number of strutting grounds occupied	27	30	35	29	23	21	20	18	29	35	26
Total male grouse counted	492	545	634	478	272	233	241	218	389	529	389
Average males / occupied ground	18.2	18.2	18.1	16.5	11.8	11.1	12.1	12.1	13.4	15.1	14.6
<b>Wasatch</b>											
Number of strutting grounds visited	1	1	2	3	2	2	3	2	2	2	2
Number of strutting grounds occupied	0	1	1	0	0	1	0	1	2	2	1
Total male grouse counted	—	2	3	—	—	2	—	10	13	18	6
Average males / occupied ground	—	2.0	3.0	—	—	2.0	—	10.0	6.5	9.0	4.7
<b>Northeastern Region total</b>											
Number of strutting grounds visited	51	60	74	80	74	74	76	77	84	83	72
Number of strutting grounds occupied	40	44	59	49	36	36	33	32	46	51	42
Total male grouse counted	706	845	1060	829	461	375	415	378	594	735	629
Average males / occupied ground	17.7	19.2	18.0	16.9	12.8	10.4	12.6	11.8	12.9	14.4	14.7

Greater sage-grouse strutting ground counts by county for the Southeastern Region, Utah 2004–2013.

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Average (2004–2012)
Carbon											
Number of strutting grounds visited	18	11	19	18	17	18	18	21	19	18	18
Number of strutting grounds occupied	11	9	13	12	12	13	11	11	9	10	11
Total male grouse counted	143	121	223	223	173	188	119	115	118	139	158
Average males / occupied ground	13.0	13.4	17.2	18.6	14.4	14.5	10.8	10.5	13.1	13.9	13.9
Emery											
Number of strutting grounds visited	1	3	3	2	2	2	3	3	2	3	2
Number of strutting grounds occupied	1	2	2	2	2	1	1	0	2	1	1
Total male grouse counted	5	11	32	15	19	5	11	—	12	15	14
Average males / occupied ground	5.0	5.5	16.0	7.5	9.5	5.0	11.0	—	6.0	15.0	8.2
Southeastern Region total											
Number of strutting grounds visited	19	14	22	20	19	20	21	24	21	21	20
Number of strutting grounds occupied	12	11	15	14	14	14	12	11	11	11	13
Total male grouse counted	148	132	255	238	192	193	130	115	130	154	170
Average males / occupied ground	12.3	12.0	17.0	17.0	13.7	13.8	10.8	10.5	11.8	14.0	13.2

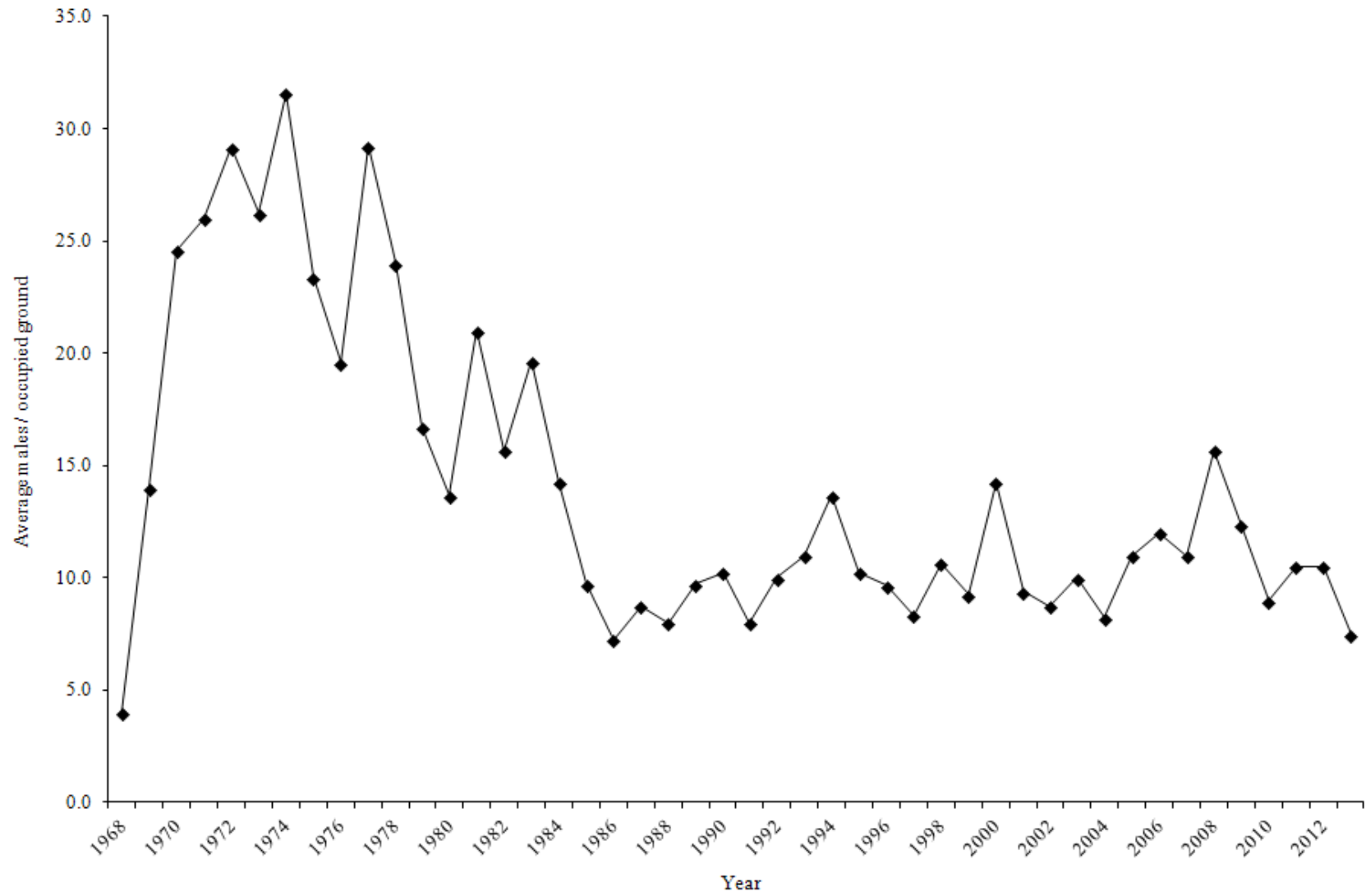
Statewide trends of greater sage-grouse strutting ground counts, Utah 1959–2013.

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

Statewide trends of greater sage-grouse strutting ground counts, Utah 1959–2013 (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	242	183	4221	23.1
2005	243	185	5276	28.5
2006	280	218	5957	27.3
2007	302	224	5795	25.9
2008	308	210	4716	22.5
2009	313	210	3991	19.0
2010	316	218	3908	17.9
2011	308	175	2848	16.3
2012	359	214	3229	15.1
2013	337	216	3407	15.8
Average (1959–2012)	143.3	106.0	2436.5	23.9

Statewide trends of average Gunnison sage-grouse males per occupied strutting ground, Utah 1959–2013.





Gunnison sage-grouse strutting ground counts, Utah 2004–2013.

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Average (2004–2012)
San Juan											
Number of strutting grounds visited	5	5	4	5	5	4	4	4	4	4	4
Number of strutting grounds occupied	4	3	2	4	3	3	2	2	2	2	3
Total male grouse counted	33	33	24	44	47	37	18	21	21	15	31
Average males / occupied ground	8.3	11.0	12.0	11.0	15.7	12.3	9.0	10.5	10.5	7.5	11.1

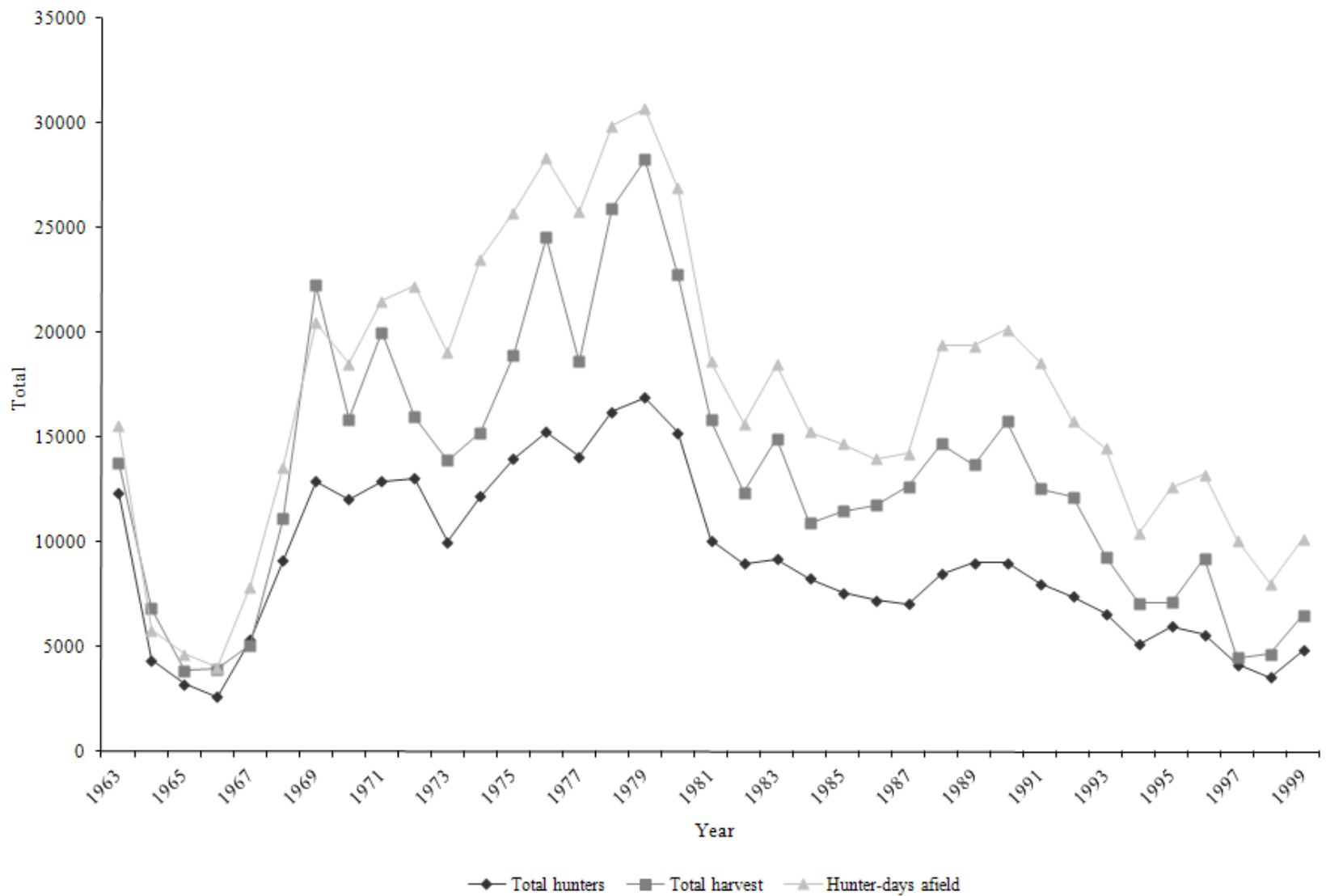
Statewide trends of Gunnison sage-grouse strutting ground counts, Utah 1968–2013.

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

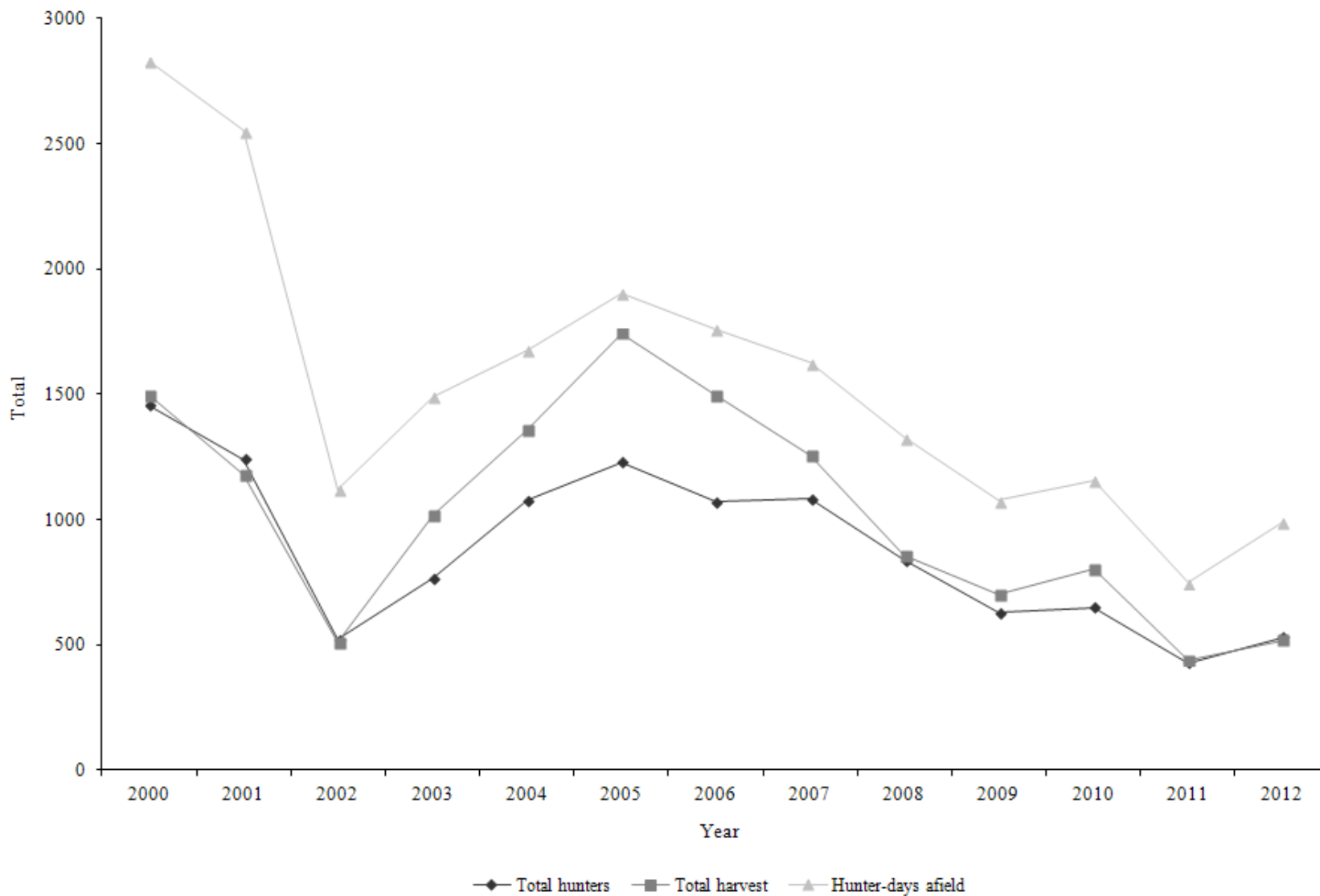
Statewide trends of Gunnison sage-grouse strutting ground counts, Utah 1968–2013(cont.).

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
2013	4	2	15	7.5
Average (1959–2012)	4.5	3.7	55.8	14.2

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

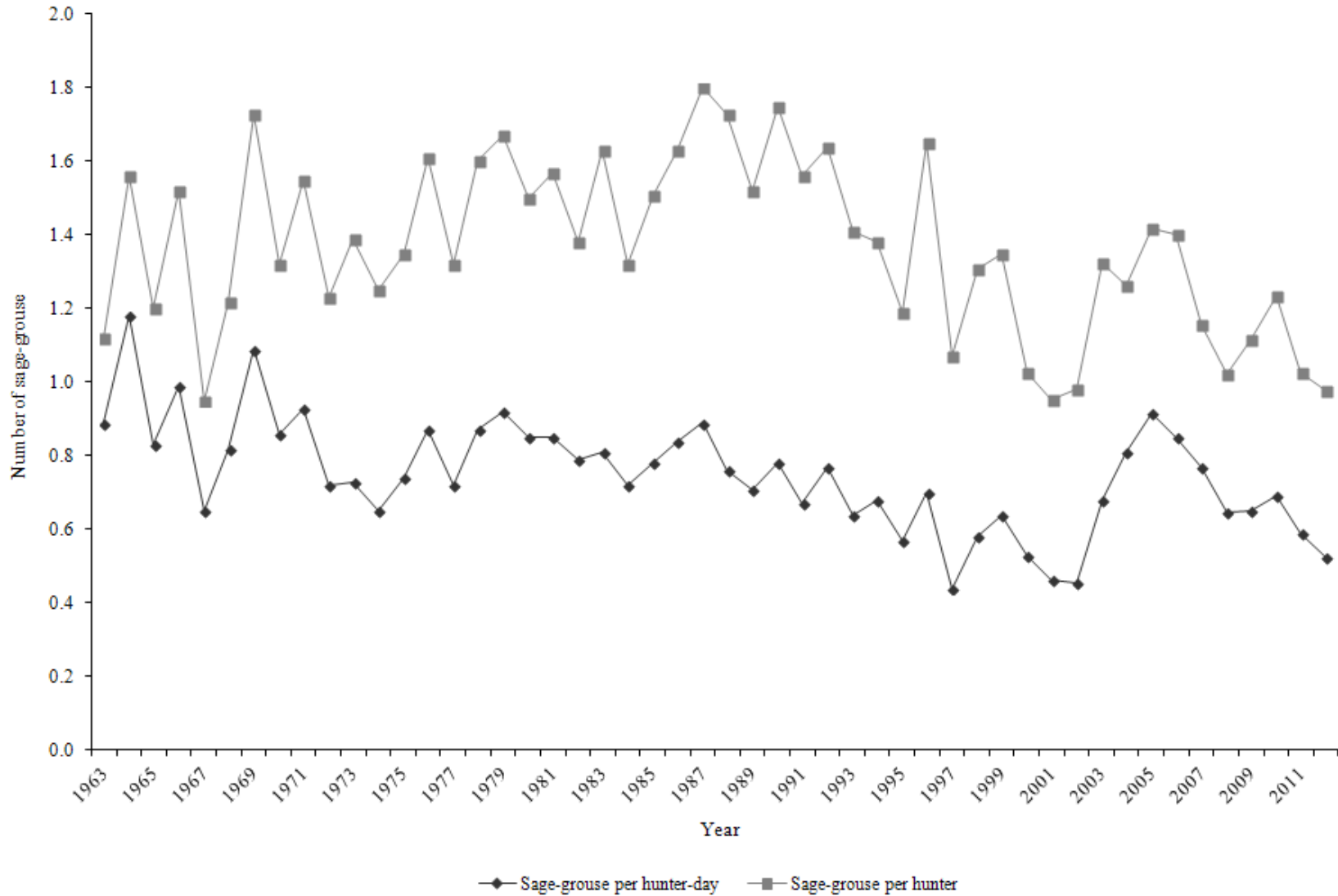


Statewide trends of Greater sage-grouse harvest statistics, Utah 2000–2012.



\*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 1963–2012.



\*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 2012.

Hunt unit	Total permits	n	Hunters afield	Hunter-days afield	Grouse bagged	Grouse / hunter-day	Grouse / hunter	Percent success*
Diamond/Blue Mountain	112	64	86	160	133	0.8	1.6	83.7
Parker Mountain	208	77	173	319	211	0.7	1.2	70.3
Rich	130	74	105	191	65	0.3	0.6	38.3
West Box Elder	255	100	166	322	110	0.3	0.7	43.1
Statewide total	705	315	530	992	519	0.5	1.0	57.6

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

Statewide Greater sage-grouse harvest statistics, Utah 1951–2012.

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 1951–2012 (cont.).

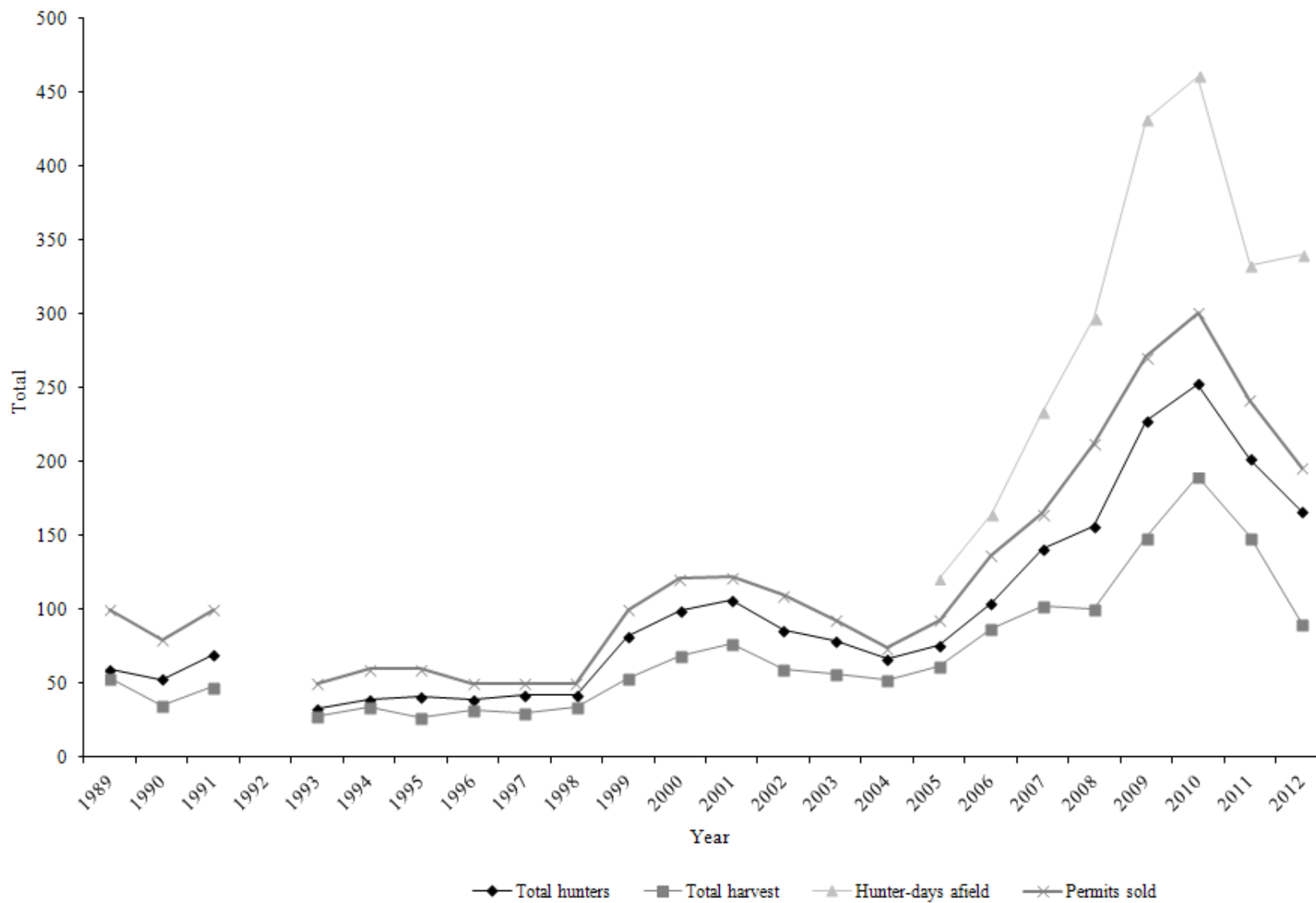
Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1986	7233	11766	13992	0.8	1.6
1987	7060	12673	14242	0.9	1.8
1988	8499	14692	19418	0.8	1.7
1989	9002	13710	19373	0.7	1.5
1990	9014	15784	20147	0.8	1.8
1991	8018	12542	18596	0.7	1.6
1992	7393	12156	15781	0.8	1.6
1993	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
2012	530	519	992	0.5	1.0
Average (1951–2011)	5892	8764	13033	0.8	1.6
% change from previous year	24	18	32	-11	-5
% change from average	-91	-94	-92	-31	-41

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

# SANDHILL CRANE

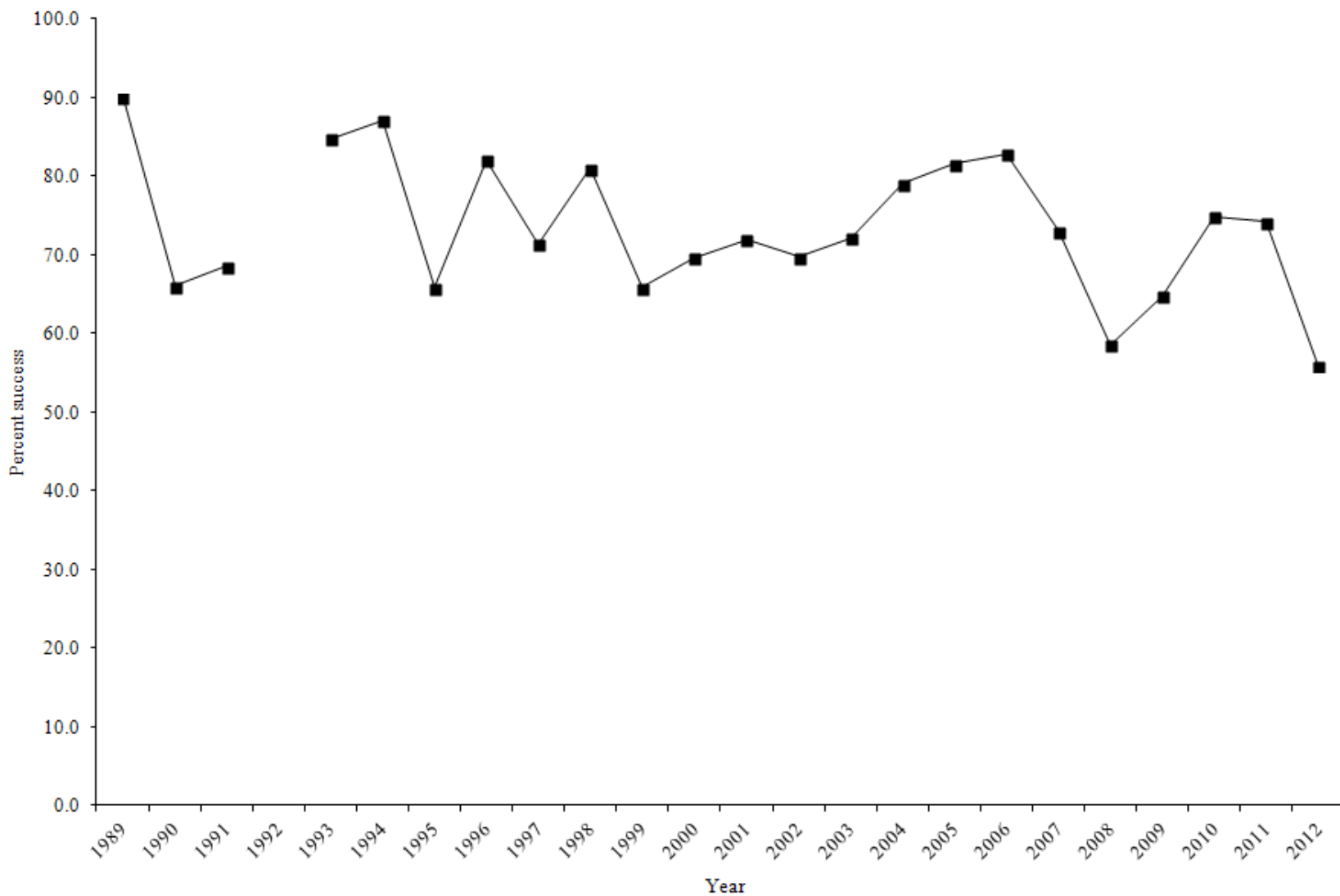


Statewide trends of sandhill crane harvest statistics, Utah 1989–2012.



\* No permits were issued in 1992.

Statewide trends of sandhill crane hunter success, Utah 1989–2012.



\*No permits were issued in 1992.

Sandhill crane harvest statistics by hunt area, Utah 2012.

Region and county	Total permits	n	Hunters afield	Hunter-days afield	Adult harvest	Young harvest	Unknown harvest	Total harvest	Crane / hunter-day	Percent success
Cache County	31	23	27	58	11	4	3	18	0.3	65.0
East Box Elder County	29	23	28	50	21	0	0	21	0.4	77.3
Rich County	22	19	20	35	10	0	0	10	0.3	52.9
Uintah County	114	71	92	197	37	5	0	42	0.2	45.6
Total	196	136	167	340	79	9	3	91	0.3	56.0

Statewide sandhill crane harvest statistics, Utah 1989–2012.

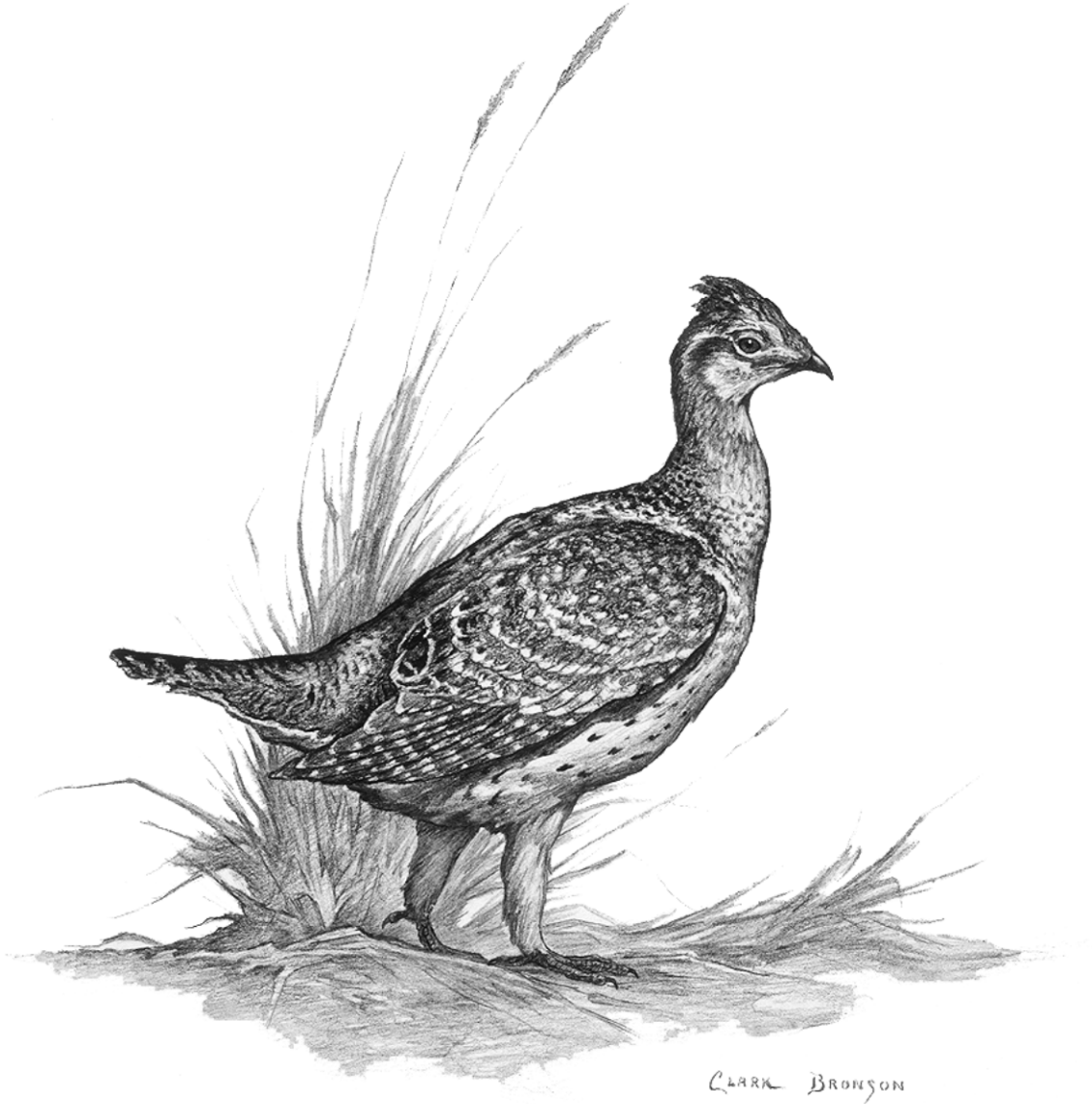
Year	Permits sold	Total hunters	Adult harvest	Young harvest	Total harvest	Hunter-days afield	Crane / hunter-day	Percent success
1989	100	60	49	5	54	—	—	90.0
1990	80	53	30	5	35	—	—	66.0
1991	100	70	44	4	48	—	—	68.6
1992	0	0	0	0	0	—	—	0.0
1993	50	33	26	2	28	—	—	84.8
1994	60	39	31	3	34	—	—	87.2
1995	60	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
2012	196	167	79	9	91***	340	0.3	56.0
Average (1989–2011)	120	96	61	8	70	292	0.4	74.3
% change from previous year	-19	-17	-36	-65	-39	2	-40	-25
% change from average	63	75	29	9	31	16	-38	-25

\* One crane of unknown age

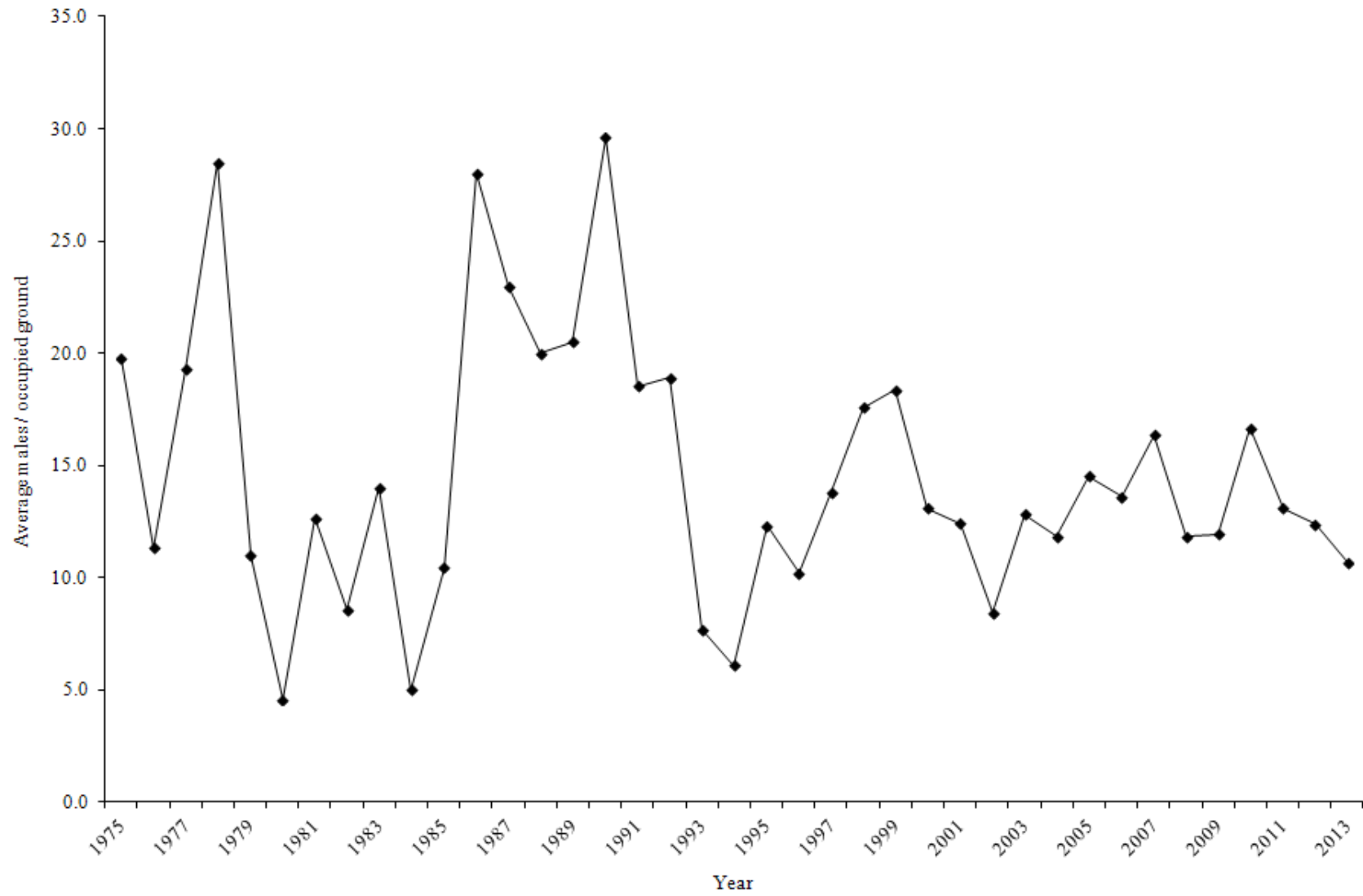
\*\* Two cranes of unknown age

\*\*\* Three cranes of unknown age

# SHARP-TAILED GROUSE



Statewide trends of average sharp-tailed grouse males per occupied strutting ground, Utah 1975–2013.





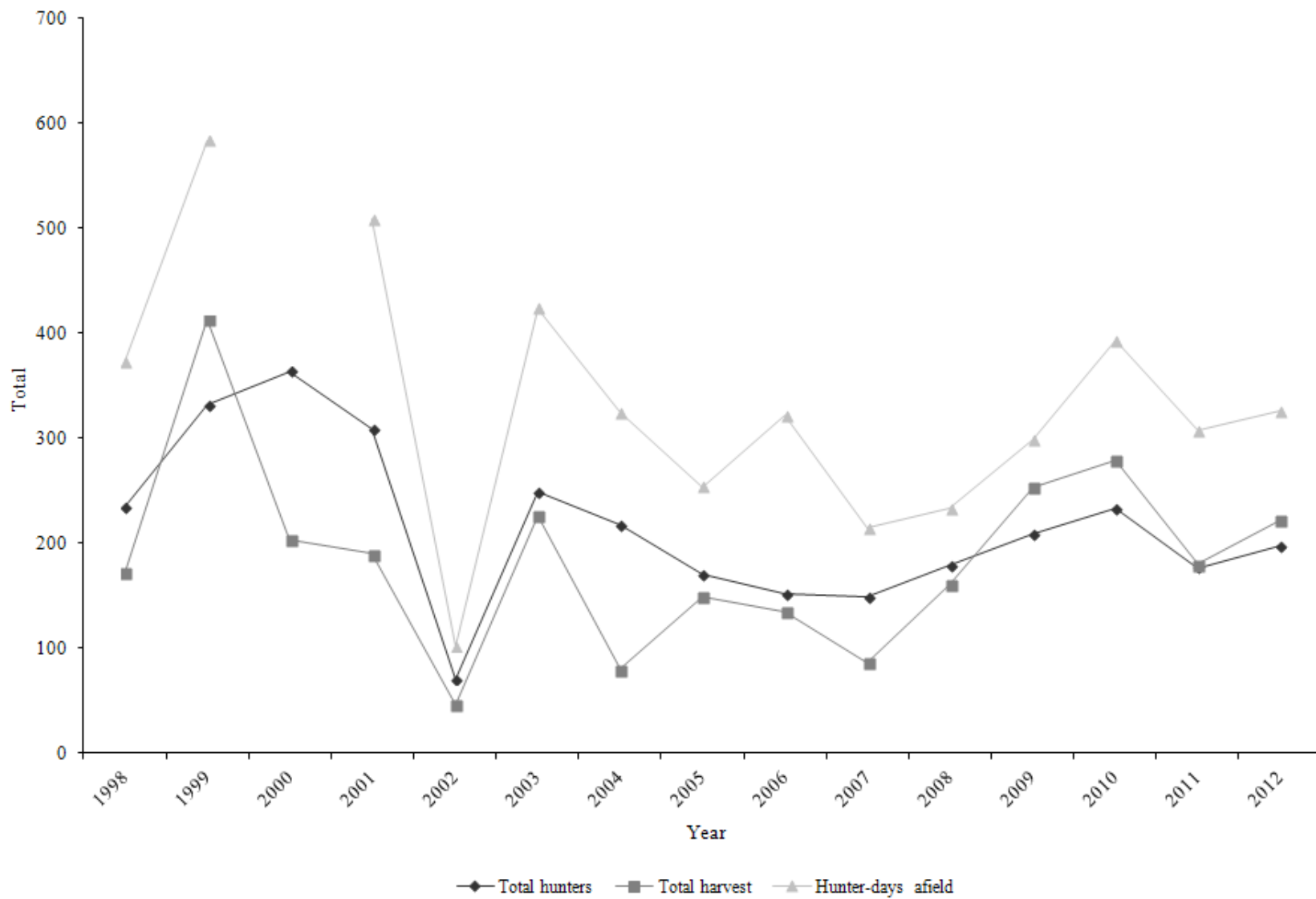
Strutting ground counts of sharp-tailed grouse by county, Utah 2004–2013.

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Average (2004–2012)
<b>Antelope Island</b>											
Number of strutting grounds visited	—	—	—	—	—	—	—	1	1	1	1
Number of strutting grounds occupied	—	—	—	—	—	—	—	1	1	1	1
Total male grouse counted	—	—	—	—	—	—	—	7	5	5	6
Average males / occupied grounds	—	—	—	—	—	—	—	7.0	5.0	5.0	6.0
<b>Box Elder</b>											
Number of strutting grounds visited	58	53	52	56	45	72	63	58	61	62	58
Number of strutting grounds occupied	43	40	38	39	31	38	42	40	41	34	39
Total male grouse counted	479	546	468	604	373	449	660	500	503	348	509
Average males / occupied grounds	11.1	13.7	12.3	15.5	12.0	11.8	15.7	12.5	12.3	10.2	13.0
<b>Cache</b>											
Number of strutting grounds visited	23	19	21	19	22	19	13	9	12	11	17
Number of strutting grounds occupied	16	12	13	9	7	8	6	6	5	6	9
Total male grouse counted	226	195	227	182	85	109	122	83	79	88	145
Average males / occupied grounds	14.1	16.3	17.5	20.2	12.1	13.6	20.3	13.8	15.8	14.7	16.0
<b>Morgan</b>											
Number of strutting grounds visited	3	1	1	—	2	1	2	1	—	2	2
Number of strutting grounds occupied	3	1	1	—	1	1	2	1	—	2	1
Total male grouse counted	18	6	13	—	4	3	53	45	—	17	20
Average males / occupied grounds	6.0	6.0	13.0	—	4.0	3.0	26.5	45.0	—	8.5	14.8
<b>Weber</b>											
Number of strutting grounds visited	—	—	—	—	—	—	1	1	1	1	1
Number of strutting grounds occupied	—	—	—	—	—	—	1	1	1	1	1
Total male grouse counted	—	—	—	—	—	—	15	8	9	11	11
Average males / occupied grounds	—	—	—	—	—	—	15.0	8.0	9.0	11.0	10.7
<b>Statewide total</b>											
Number of strutting grounds visited	84	73	74	75	69	92	79	70	75	77	77
Number of strutting grounds occupied	62	53	52	48	39	47	51	49	48	44	50
Total male grouse counted	723	747	708	786	462	561	850	643	596	469	675
Average males / occupied grounds	11.7	14.1	13.6	16.4	11.8	11.9	16.7	13.1	12.4	10.7	13.5

Statewide trends of sharp-tailed grouse strutting ground counts, Utah 1975–2013.

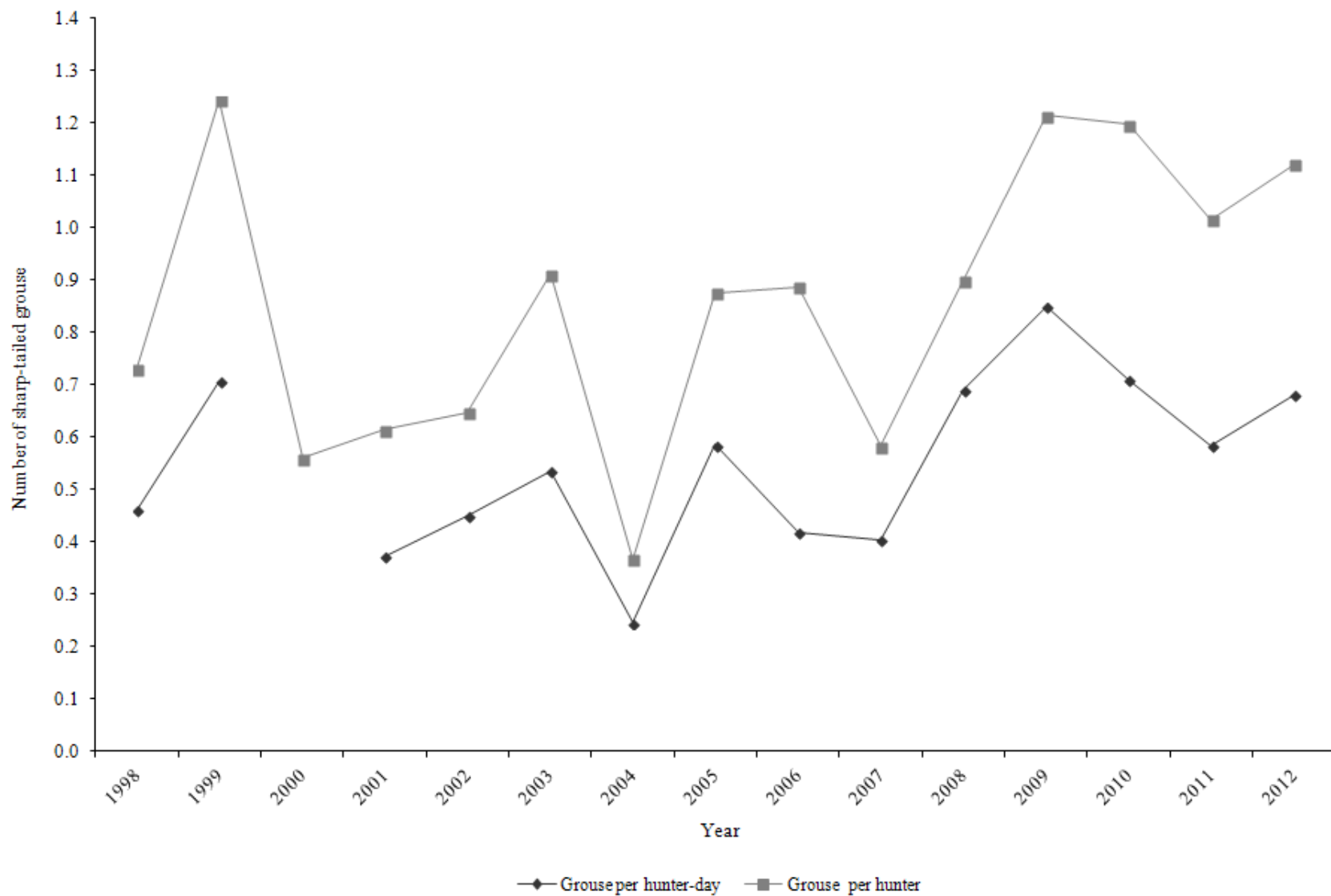
Year	Number of grounds visited	Number of occupied grounds	Total male grouse counted	Average male grouse / occupied ground
1975	4	4	79	19.8
1976	4	3	34	11.3
1977	8	7	135	19.3
1978	8	8	228	28.5
1979	17	17	187	11.0
1980	17	16	73	4.6
1981	15	15	190	12.7
1982	15	12	103	8.6
1983	7	7	98	14.0
1984	7	4	20	5.0
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
2013	77	44	469	10.7
Average (1975–2012)	33.3	23.8	333.9	14.7

Statewide trends of sharp-tailed grouse harvest statistics, Utah 1998–2012.



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

Statewide trends of sharp-tailed grouse hunter success, Utah 1998–2012.



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

Sharp-tailed grouse harvest statistics by hunt area, Utah 2012.

Hunt area	Total permits	n	Hunters afield	Hunter-days afield	Grouse bagged	Grouse / hunter-day	Grouse / hunter	Percent success*
Box Elder County	266	106	151	229	171	0.7	1.1	65.0
Cache County	53	33	47	97	51	0.5	1.1	72.4
Total*	319	139	198	326	222	0.7	1.1	67.4

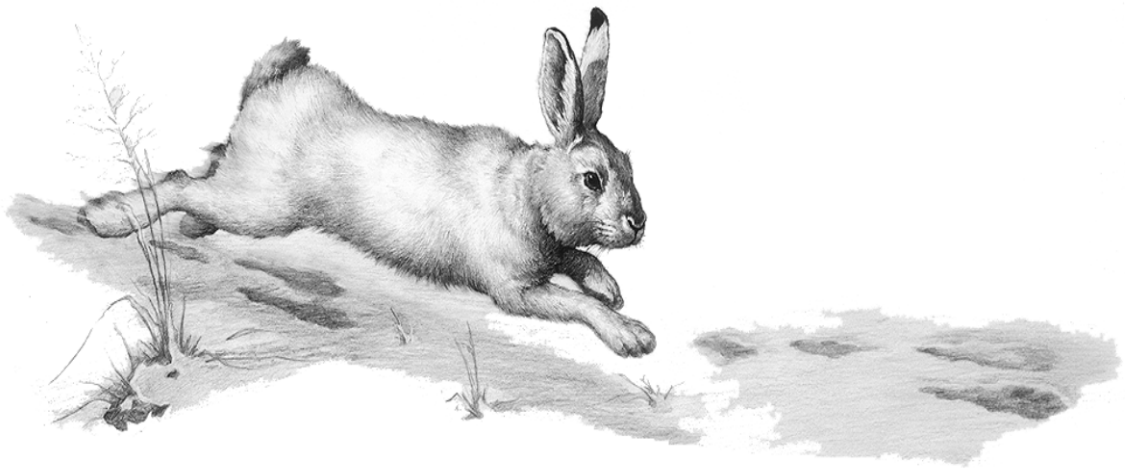
\*Hunters could harvest 2 birds. Hunters were considered successful if they harvested at least 1 bird.

Statewide sharp-tailed grouse harvest statistics, Utah 1998–2012.

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
2012	319	198	222	326	0.7	1.1
Average (1998–2011)	378	218	184	334	0.5	0.8
% change from previous year	13	12	23	6	17	10
% change from average	-16	-9	21	-2	26	34

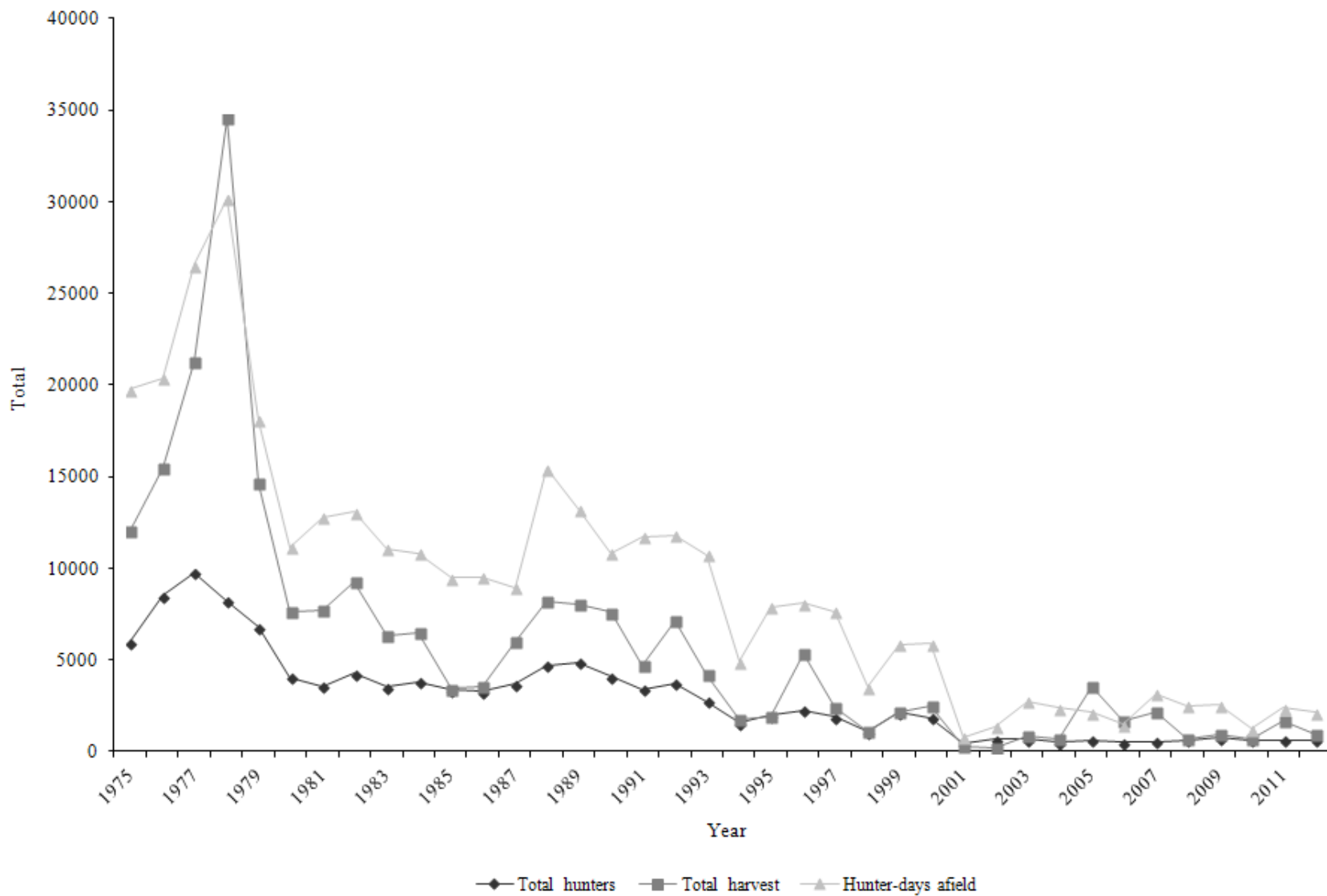
\*Hunter-days afield data was not collected in 2000.

# SNOWSHOE HARE



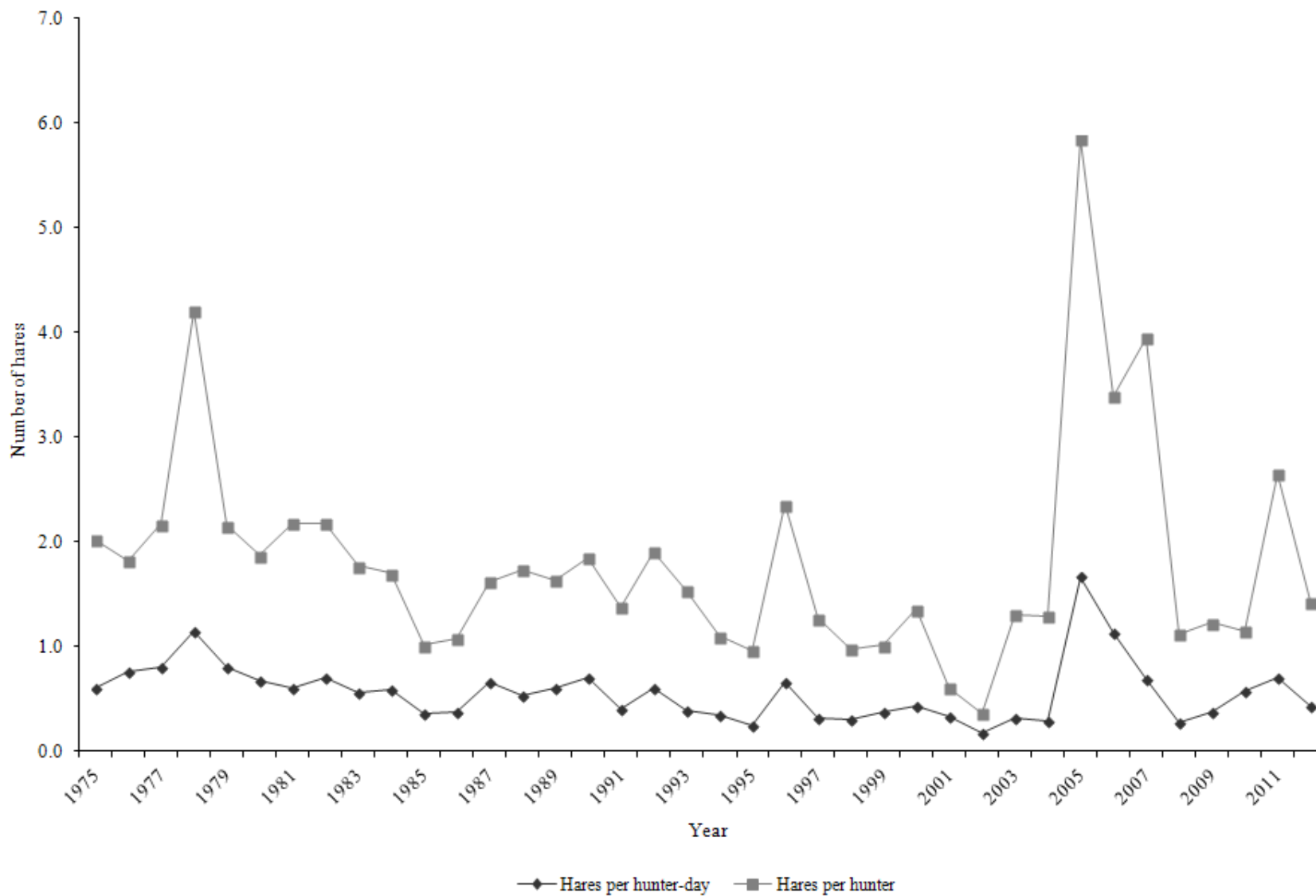
CLARK BRONSON

Statewide trends of snowshoe hare harvest statistics, Utah 1975–76 to 2012–13.





Statewide trends of snowshoe hare hunter success, Utah 1975–76 to 2012–13.



Snowshoe hare harvest statistics by region and county, Utah 2012–13.

Region and county	n	Hunters afield	Hunter-days afield	Hares bagged	Hares / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	11	91	124	89	0.7	5.8	9.6
Cache	9	74	124	178	1.4	5.8	19.2
Davis	0	0	—	—	—	—	—
Morgan	2	17	24	18	0.8	1.1	1.9
Rich	3	25	29	36	1.2	1.4	3.8
Summit	9	74	254	133	0.5	11.8	14.4
Weber	0	0	—	—	—	—	—
Regional total	34	281	555	454	0.8	25.8	49.0
Central Region							
Juab	2	17	94	53	0.6	4.4	5.8
Salt Lake	3	25	189	36	0.2	8.8	3.8
Sanpete	0	0	—	—	—	—	—
Tooele	0	0	—	—	—	—	—
Utah	9	74	100	62	0.6	4.7	6.7
Wasatch	10	83	283	98	0.3	13.2	10.6
Regional total	24	199	666	249	0.4	31.0	26.9
Southern Region							
Beaver	1	8	171	0	0.0	8.0	0.0
Garfield	1	8	29	0	0.0	1.4	0.0
Iron	1	8	47	0	0.0	2.2	0.0
Kane	0	0	—	—	—	—	—
Millard	0	0	—	—	—	—	—
Piute	0	0	—	—	—	—	—
Sevier	4	33	35	27	0.8	1.6	2.9
Washington	2	17	230	107	0.5	10.7	11.5
Wayne	1	8	6	0	0.0	0.3	0.0
Regional total	10	82	518	134	0.3	24.2	14.4
Northeastern Region							
Daggett	0	0	—	—	—	—	—
Duchesne	5	41	118	18	0.2	5.5	1.9
Uintah	4	33	83	44	0.5	3.8	4.8
Regional total	9	74	201	62	0.3	9.3	6.7
Southeastern Region							
Carbon	2	17	94	9	0.1	4.4	1.0
Emery	2	17	47	0	0.0	2.2	0.0
Grand	0	0	—	—	—	—	—
San Juan	1	8	6	0	0.0	0.3	0.0
Regional total	5	42	147	9	0.1	6.9	1.0
Unknown	4	33	59	18	0.3	2.7	1.9
Statewide total*	78	645	2147	924	0.4	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 2012–13.

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

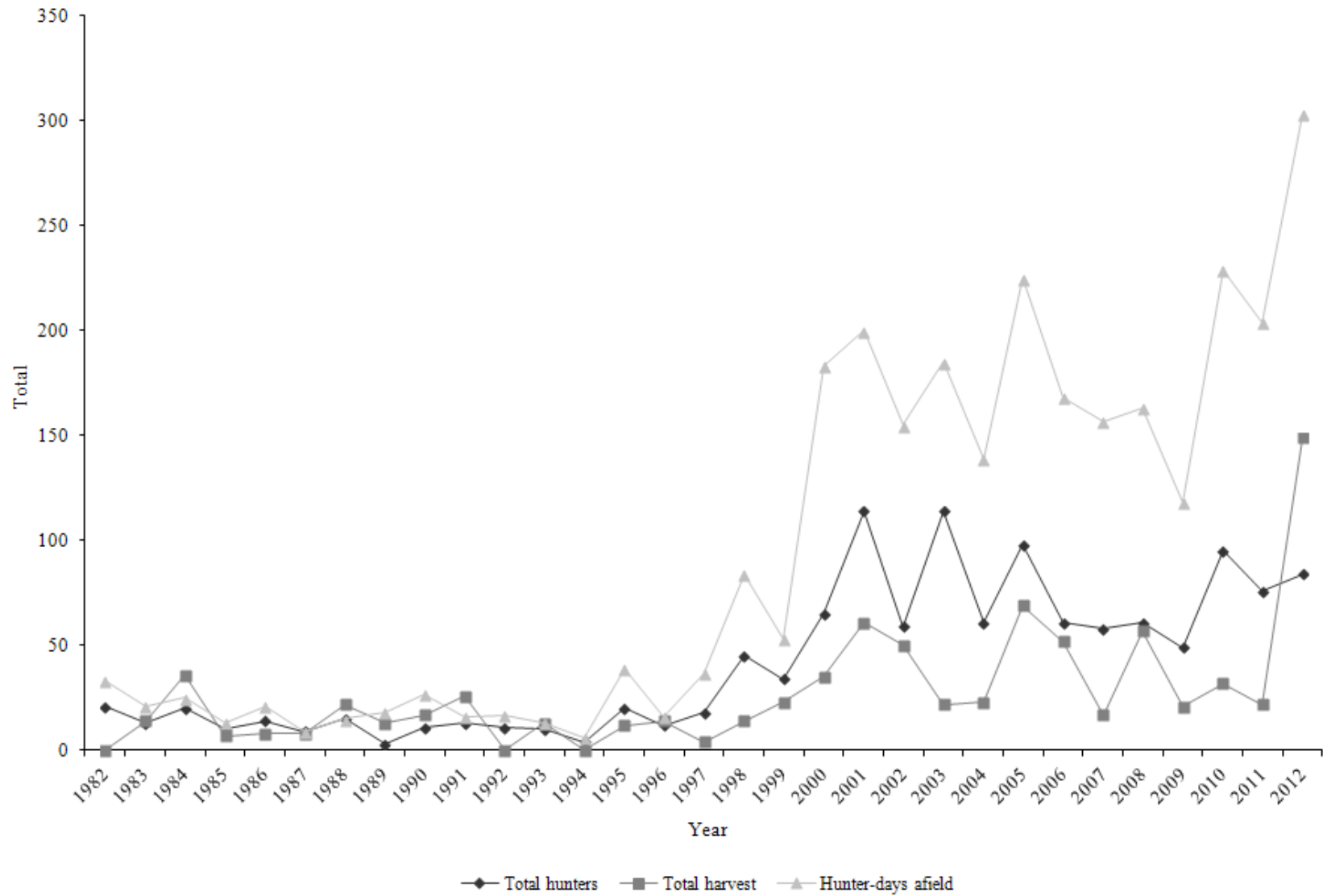
Statewide snowshoe hare harvest statistics, Utah 1975–76 to 2012–13 (cont.).

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
2012–13	645	924	2147	0.4	1.4
Average (1975–2012)	3021	5920	9247	0.6	1.8
% change from previous year	2	-45	-9	-39	-46
% change from average	-79	-84	-77	-25	-22

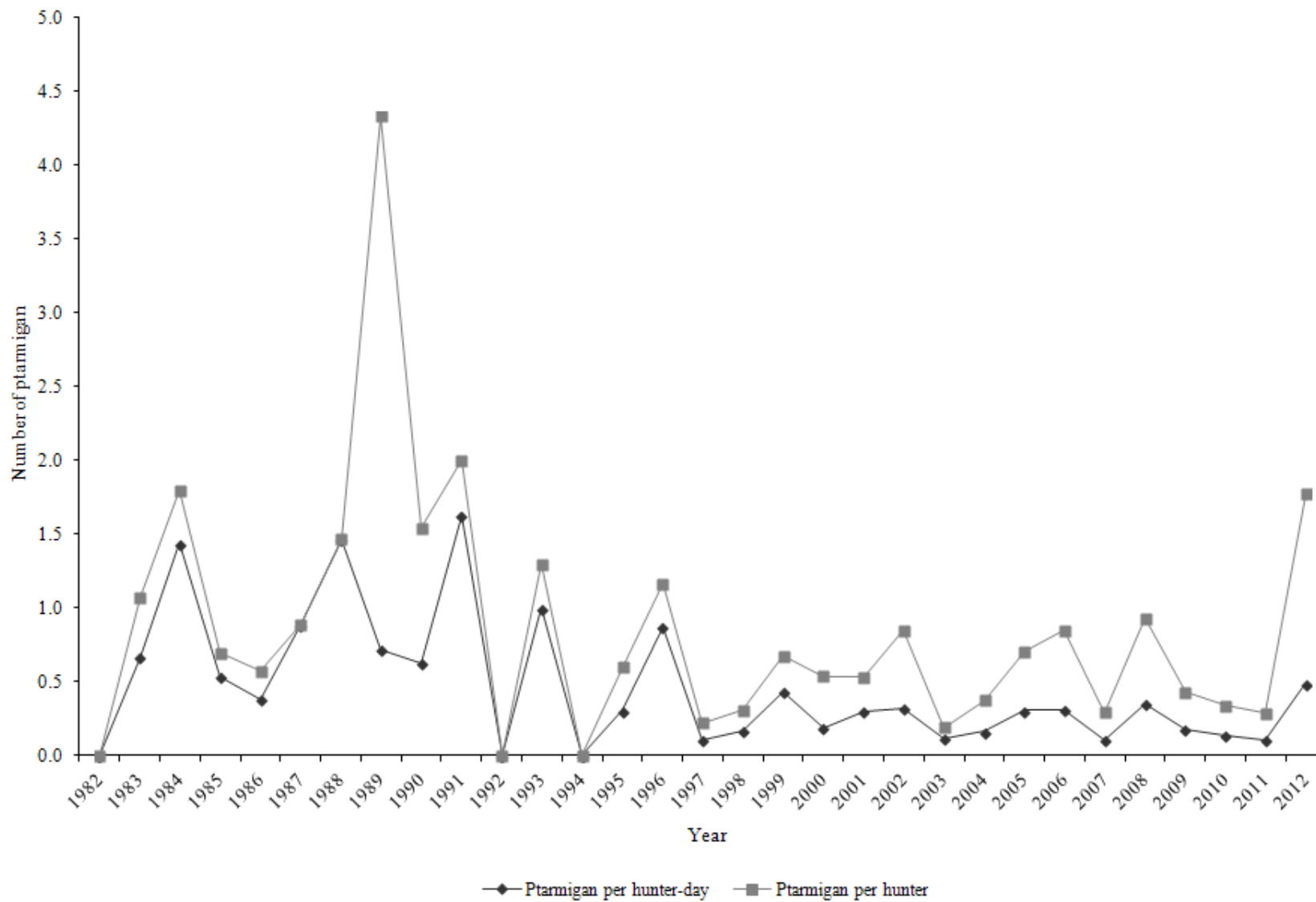
# WHITE-TAILED PTARMIGAN



Statewide trends of white-tailed ptarmigan harvest statistics, Utah 1982–2012.



Statewide trends of white-tailed ptarmigan hunter success, Utah 1982–2012.



White-tailed ptarmigan harvest statistics by region and county, Utah 2012.

Region and county	n	Hunters afield	Hunter-days afield	Ptarmigan bagged	Ptarmigan / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	0	0	—	—	—	—	—
Cache	0	0	—	—	—	—	—
Davis	2	5	5	0	0.00	1.7	0.0
Morgan	0	0	—	—	—	—	—
Rich	0	0	—	—	—	—	—
Summit	7	19	35	11	0.31	11.6	7.4
Weber	0	0	—	—	—	—	—
Regional total	9	24	40	11	0.28	13.2	14.7
Central Region							
Juab	0	0	—	—	—	—	—
Salt Lake	0	0	—	—	—	—	—
Sanpete	0	0	—	—	—	—	—
Tooele	1	3	3	0	0.00	1.0	0.0
Utah	0	0	—	—	—	—	—
Wasatch	0	0	—	—	—	—	—
Regional total	1	3	3	0	0.00	1.0	0.0
Southern Region							
Beaver	0	0	—	—	—	—	—
Garfield	0	0	—	—	—	—	—
Iron	1	3	5	0	0.00	1.7	0.0
Kane	0	0	—	—	—	—	—
Millard	0	0	—	—	—	—	—
Piute	0	0	—	—	—	—	—
Sevier	0	0	—	—	—	—	—
Washington	0	0	—	—	—	—	—
Wayne	0	0	—	—	—	—	—
Regional total	1	3	5	0	0.00	1.7	0.0
Northeastern Region							
Daggett	2	5	11	8	0.73	3.6	5.4
Duchesne	5	13	27	19	0.70	8.9	12.8
Uintah	10	27	58	37	0.64	19.1	24.8
Regional total	17	45	96	64	0.67	31.7	85.3
Southeastern Region							
Carbon	0	0	—	—	—	—	—
Emery	0	0	—	—	—	—	—
Grand	0	0	—	—	—	—	—
San Juan	0	0	—	—	—	—	—
Regional total	0	0	—	—	—	—	—
Unknown	1	3	8	0	0.00	2.6	0.0
Statewide total**	28	74	303	149	0.49	100.0	100.0

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

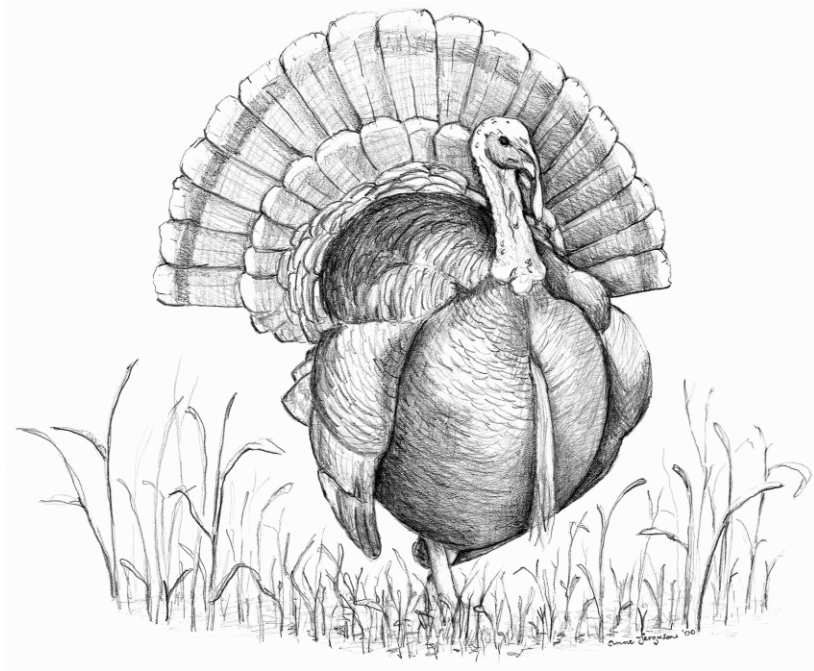
\*\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties.



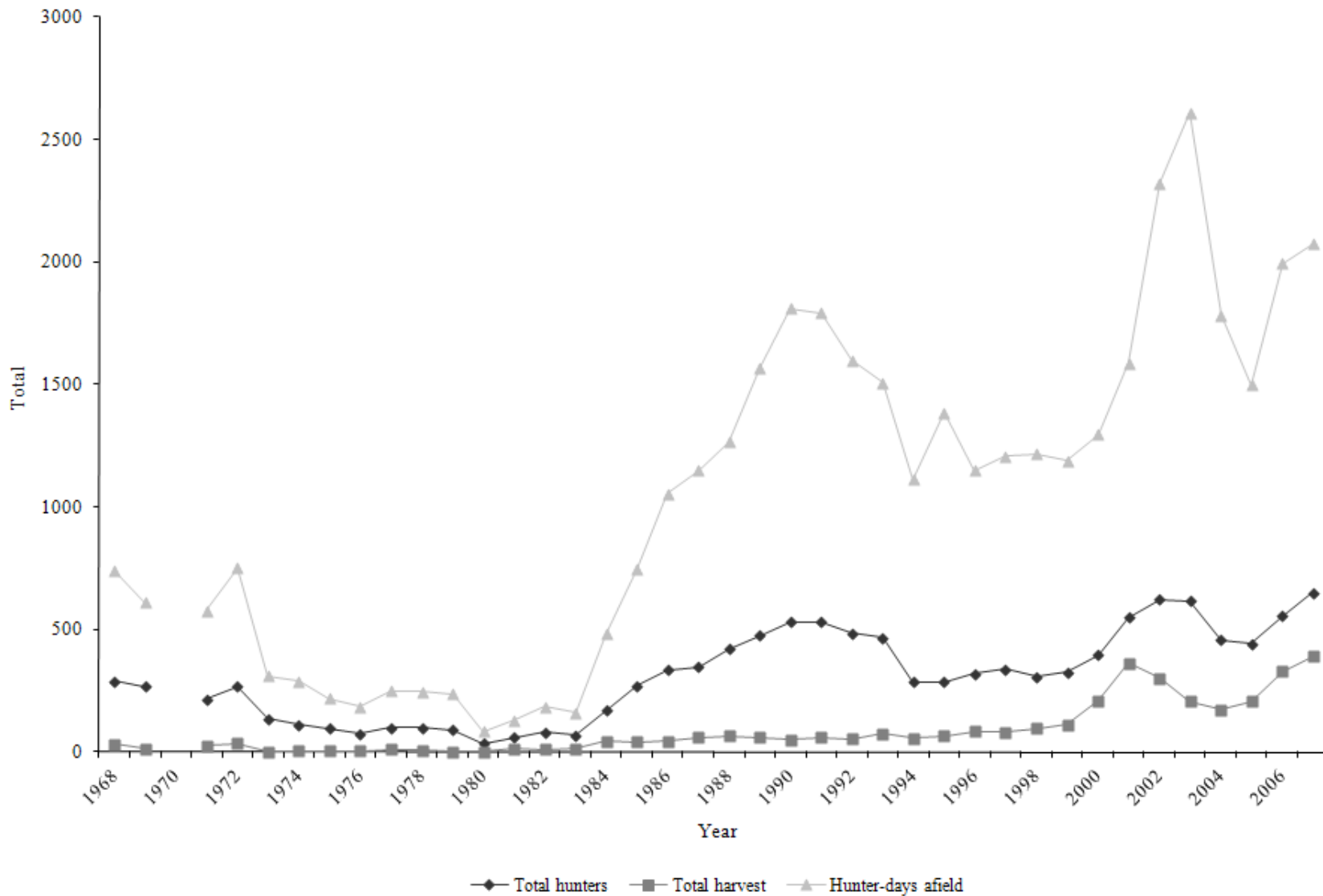
Statewide white-tailed ptarmigan harvest statistics, Utah 1982–2012.

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
2012	84	149	303	0.5	1.8
Average (1982–2011)	40	23	86	0.5	0.8
% change from previous year	11	577	49	356	513
% change from average	111	546	251	6	113

# WILD TURKEY



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

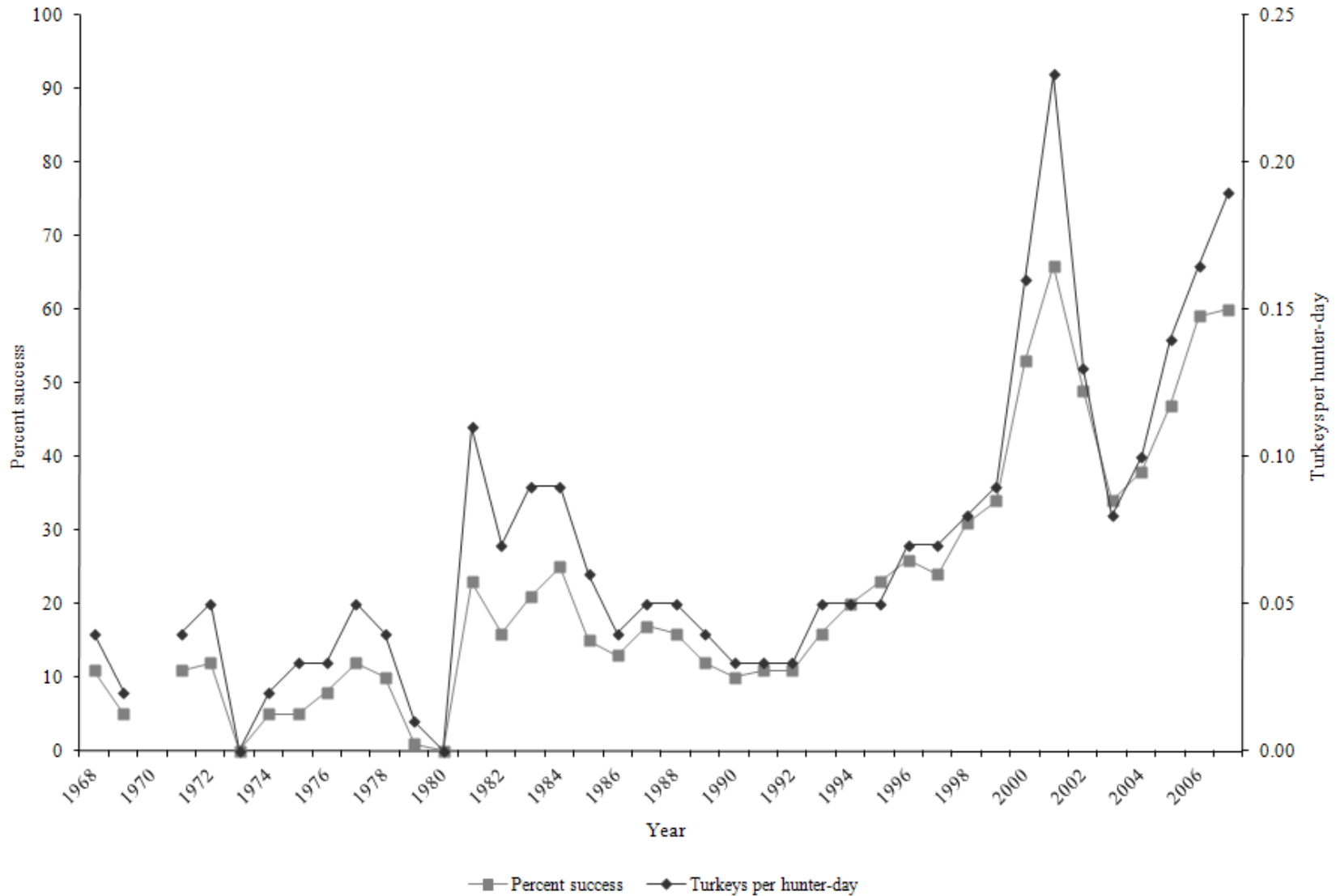


\*No spring season in 1970.

\*\*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.

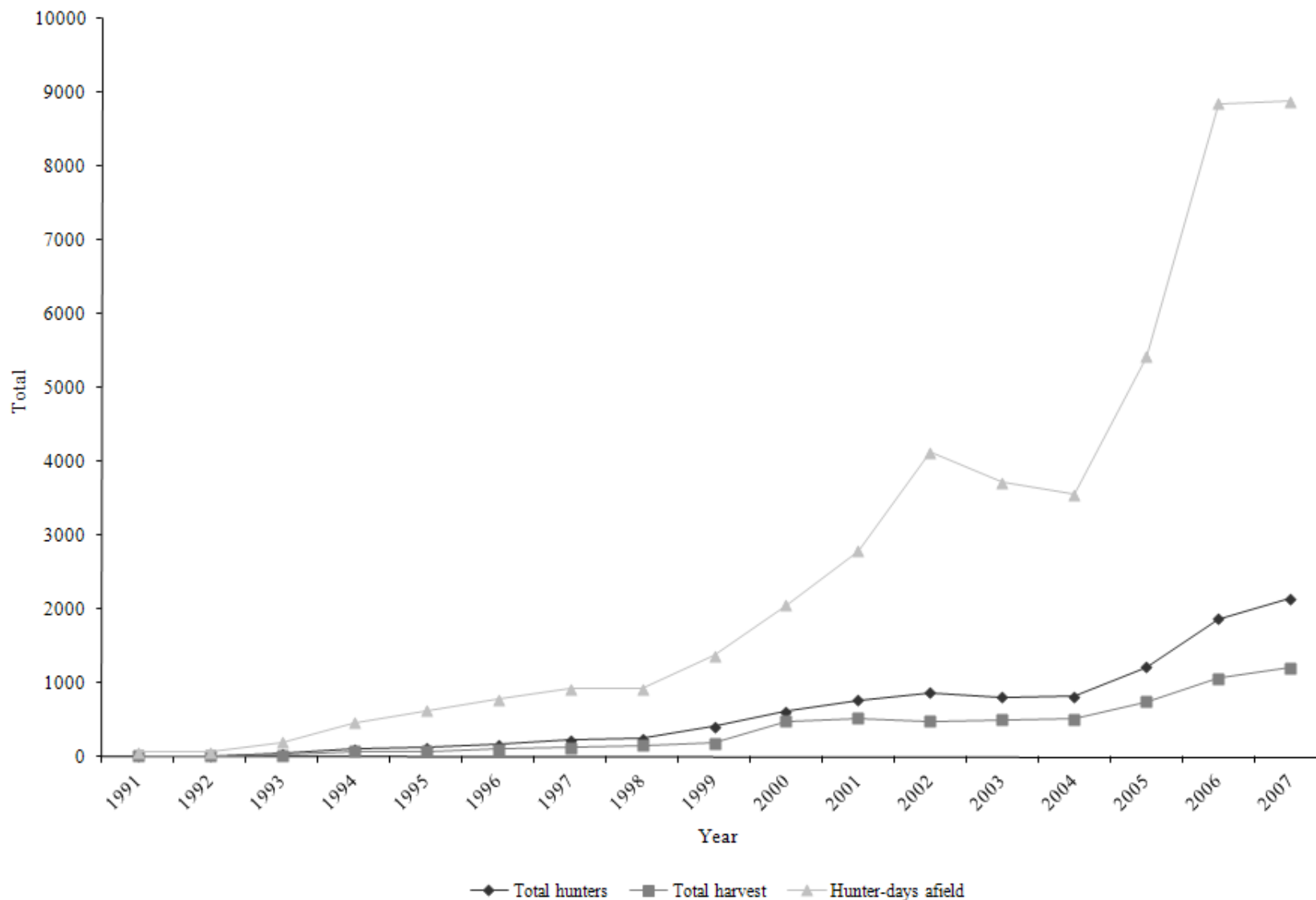
Statewide Merriam's wild turkey spring season harvest statistics, Utah 1968–2007 (cont.).

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.

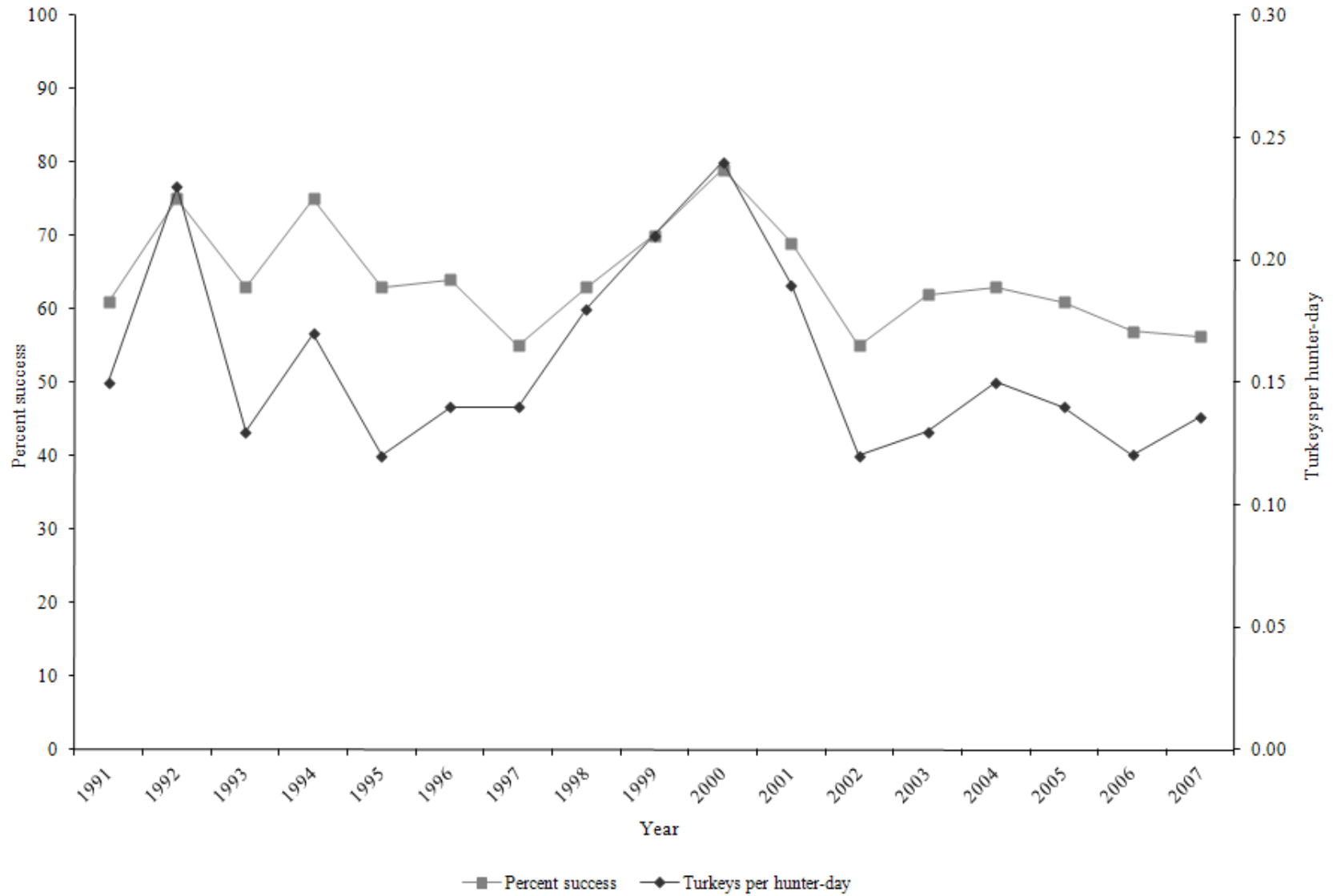
Statewide trends of spring Rio Grande wild turkey harvest statistics, Utah 1991–2007.



\*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.



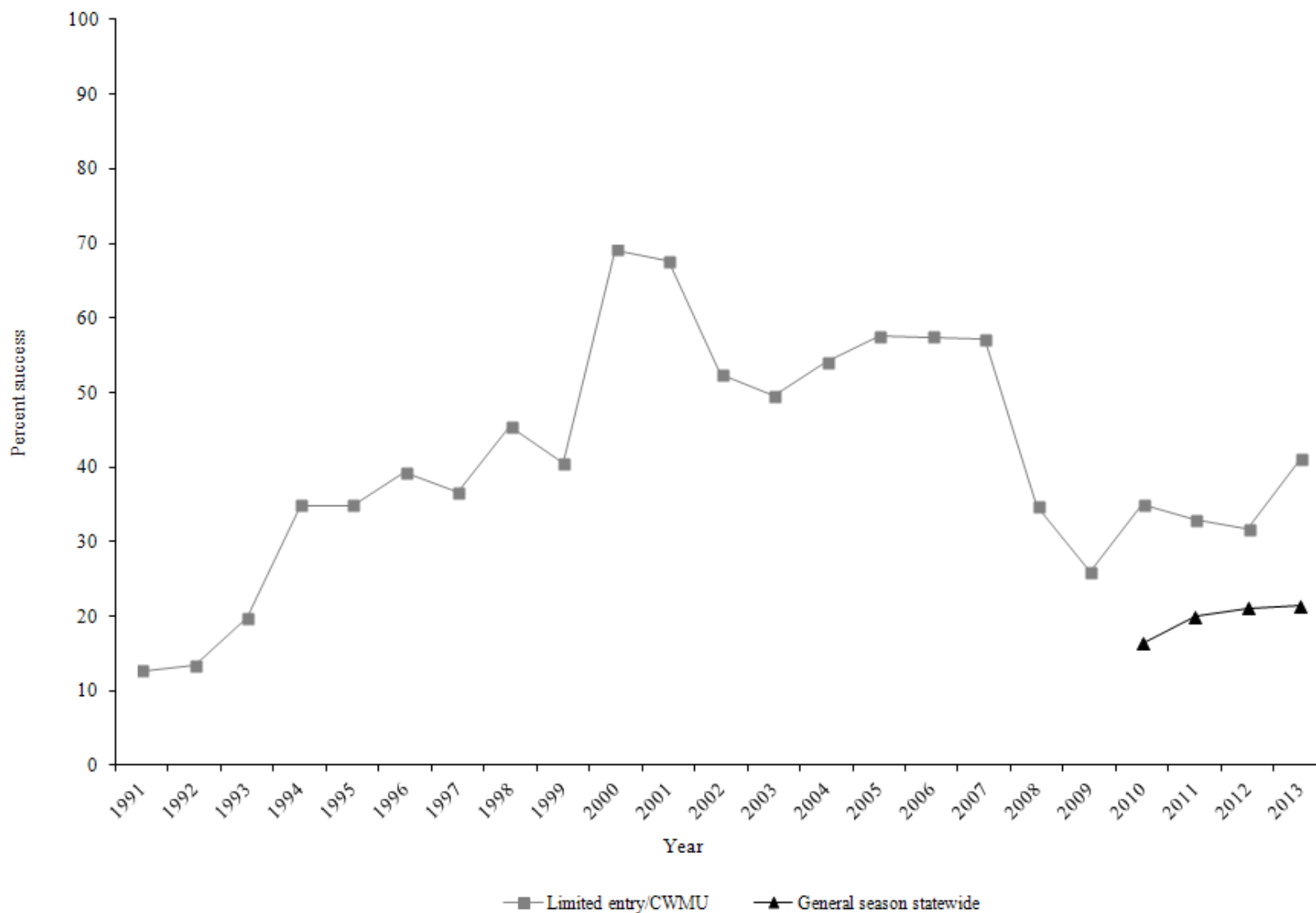
Statewide Rio Grande wild turkey harvest statistics, Utah 1991–2007.

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 1991–2013.



\*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 1991–2013.

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
2013	3068	2566	1054	—	41.1
Average (1991–2012)	2293	1998	503	—	41.1
% change from previous year	1	-1	28	—	29

\*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 2010–2013.

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
2013	6588	5788	1241	21.4
Average (1991–2012)	7307	6156	1151	19.2
% change from previous year	25	28	30	1
% change from average	-10	-6	8	12

Wild turkey harvest statistics by hunt, Utah 2013.

Hunt	Total permits	n	Hunters afield	Total harvest	Days afield public land	Days afield private land	Percent success
Limited entry central region	603	168	535	176	2248	1599	33
Limited entry northeastern region	304	120	253	106	1127	940	42
Limited entry northern region	483	135	394	168	1783	1133	43
Limited entry southeastern region	309	126	243	115	969	714	47
Limited entry southern region	1339	369	1118	475	4198	3108	43
General season statewide	6588	1531	5788	1241	33429	25345	21
Broadmouth CWMU	1	0	—	—	—	—	—
Folley Ridge CWMU	17	11	15	6	—	41	40
Missouri Flat CWMU	6	3	2	2	—	24	100
New Harmony CWMU	6	4	6	6	—	32	100

## **APPENDIX A**

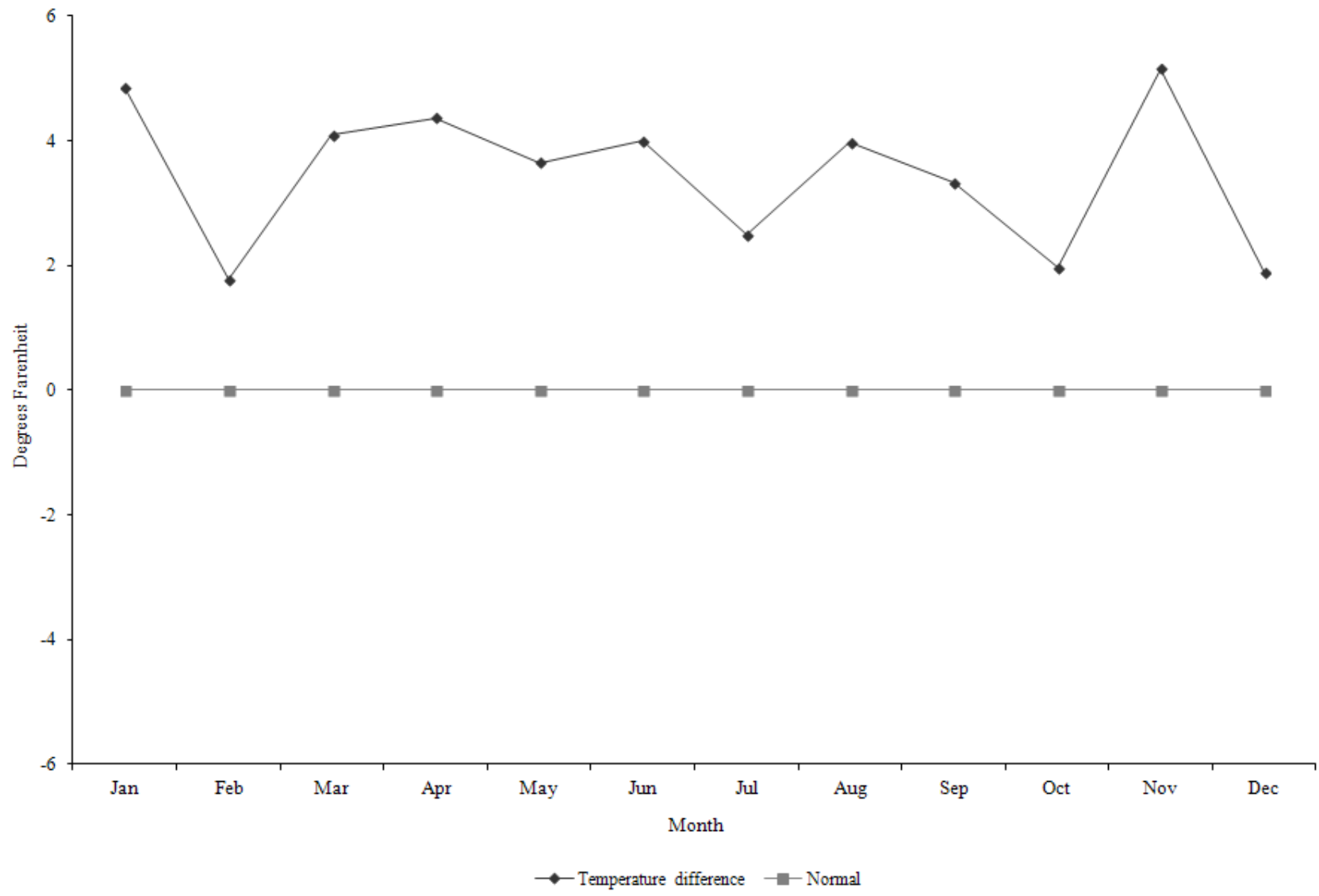
### **WEATHER CONDITIONS**

Weather data used in this report are from the NOAA monthly periodicals entitled “Climatological Data, Utah 2012.”

Comparison of monthly average temperatures (°F) to normal temperature, by weather division, Utah 2012.

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
2012	30.2	33.3	45.0	51.6	59.2	69.3	76.1	76.4	65.1	51.5	40.5	29.8	52.3
Departure	3.5	0.7	4.3	4.0	2.8	3.1	2.3	4.3	3.1	1.9	3.9	2.2	3.0
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
2012	42.8	44.8	51.9	60.7	71.7	79.9	83.1	83.6	76.3	64.0	52.6	41.4	62.7
Departure	3.4	0.3	1.8	3.8	5.8	4.0	1.5	3.8	4.0	3.3	5.4	1.7	3.2
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
2012	31.4	34.1	45.0	52.1	58.5	69.2	77.4	76.3	66.0	51.5	42.6	31.2	52.9
Departure	4.9	2.5	4.7	4.5	1.9	2.9	3.5	4.0	3.6	1.1	5.4	3.2	3.5
No.4 South Central													
Normal	26.8	31.6	38.2	44.6	53.5	63.1	69.8	67.9	59.7	48.3	36.0	28.0	47.3
2012	32.1	32.0	41.4	49.0	58.3	68.3	71.9	72.0	63.2	51.7	41.7	29.8	51.0
Departure	5.3	0.4	3.2	4.4	4.8	5.2	2.1	4.1	3.5	3.4	5.7	1.8	3.7
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
2012	27.1	27.5	39.1	46.2	52.1	62.7	69.3	69.3	59.1	45.9	37.9	26.0	46.9
Departure	5.8	2.6	6.3	5.8	2.7	4.4	4.2	5.6	4.1	1.7	6.6	3.5	4.4
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
2012	25.1	30.2	43.0	50.8	59.5	68.8	73.9	72.7	63.1	48.7	37.9	21.7	49.6
Departure	7.1	5.8	5.5	4.3	3.6	3.6	2.3	3.1	2.9	0.9	5.1	0.7	3.7
No.7 Southeast													
Normal	28.0	34.7	43.1	50.7	60.1	70.5	76.5	74.4	65.4	53.0	39.1	29.8	52.1
2012	32.0	34.8	46.0	54.5	64.1	75.3	78.1	77.3	67.5	54.5	43.1	29.9	54.8
Departure	4.0	0.1	2.9	3.8	4.0	4.8	1.6	2.9	2.1	1.5	4.0	0.1	2.7
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
2012	31.5	33.8	44.5	52.1	60.5	70.5	75.7	75.4	65.8	52.5	42.3	30.0	52.9
Departure	4.9	1.8	4.1	4.4	3.7	4.0	2.5	4.0	3.3	2.0	5.2	1.9	3.5

Temperature (°F) departure from normal, Utah 2012.

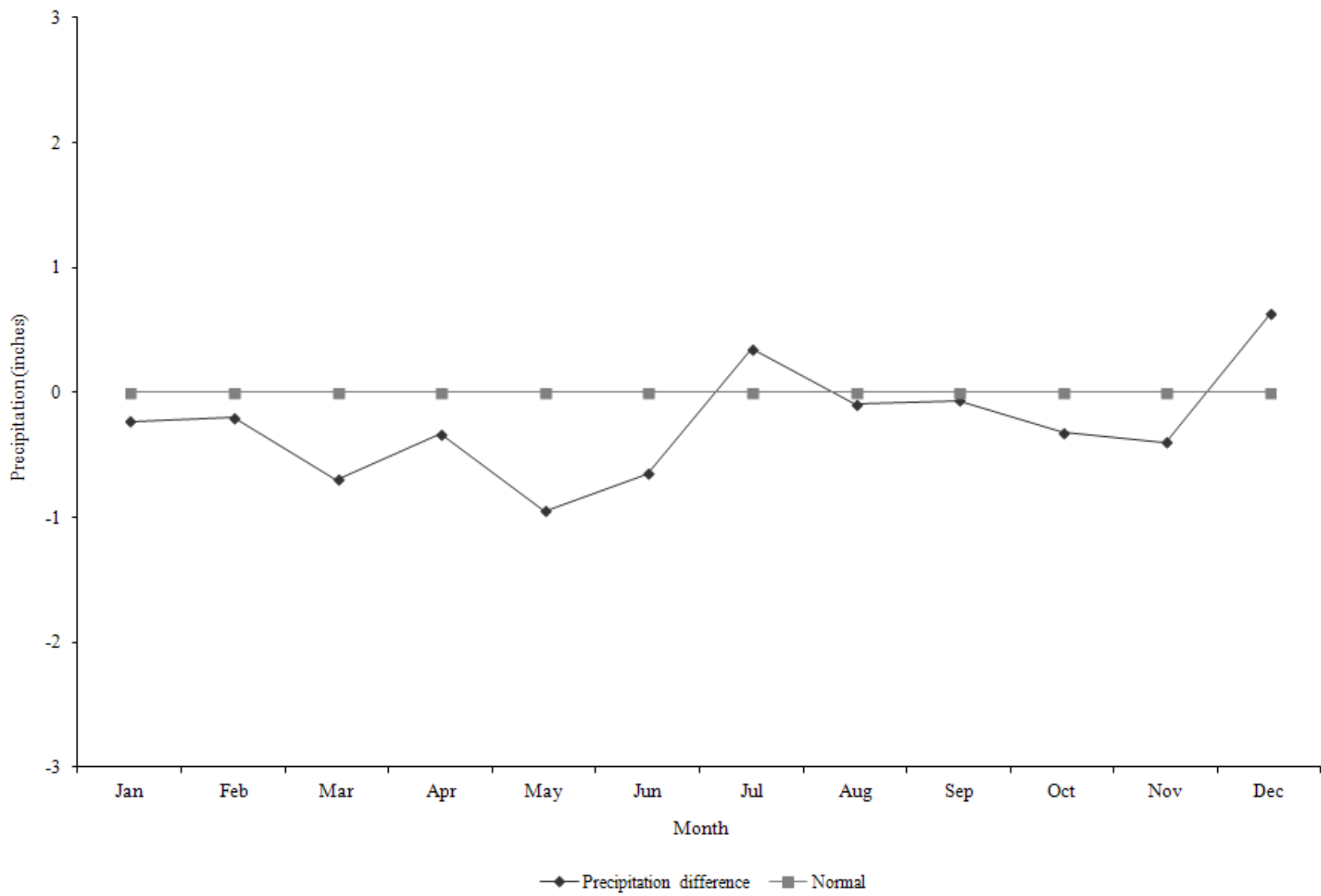




Comparison of monthly average precipitation (inches) to normal precipitation, by weather division, Utah 2012.

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
2012	0.4	0.7	0.5	0.4	0.1	0.0	0.7	0.4	0.9	0.5	0.6	1.2	6.3
Departure	-0.2	0.0	-0.5	-0.5	-1.0	-0.6	0.0	-0.4	0.1	-0.5	-0.1	0.7	-2.9
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
2012	0.8	1.4	0.9	1.1	0.0	0.0	1.9	1.9	1.2	1.0	0.2	1.4	11.8
Departure	-0.8	-0.2	-1.1	0.2	-0.7	-0.3	1.0	0.7	0.3	0.0	-0.9	0.6	-1.1
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
2012	2.3	1.2	1.4	1.7	1.0	0.1	0.9	0.2	0.9	1.3	1.4	2.5	14.9
Departure	0.7	-0.4	-0.5	-0.2	-1.1	-1.0	0.0	-0.7	-0.5	-0.5	-0.2	1.2	-3.3
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
2012	1.0	1.3	0.9	0.8	0.1	0.0	1.9	2.2	1.2	0.9	0.7	1.6	12.4
Departure	-0.2	0.1	-0.6	-0.3	-1.0	-0.6	0.9	0.8	0.0	-0.5	-0.4	0.7	-1.0
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
2012	1.7	1.1	0.8	1.3	0.9	0.0	1.4	0.4	1.0	2.2	1.5	2.2	14.6
Departure	-0.3	-0.8	-1.2	-0.6	-1.1	-1.1	0.3	-0.7	-0.5	0.3	-0.3	0.5	-5.5
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
2012	0.2	0.4	0.1	0.2	0.0	0.0	0.5	0.3	1.4	0.7	0.2	0.9	4.9
Departure	-0.3	-0.1	-0.6	-0.6	-1.0	-0.6	-0.2	-0.5	0.5	-0.4	-0.4	0.5	-3.6
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
2012	0.4	0.6	0.3	0.4	0.0	0.0	1.3	1.1	0.8	0.5	0.2	1.0	6.7
Departure	-0.4	-0.1	-0.6	-0.4	-0.8	-0.4	0.4	0.1	-0.2	-0.8	-0.6	0.3	-3.2
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
2012	1.0	0.9	0.7	0.8	0.3	0.0	1.2	0.9	1.0	1.0	0.7	1.5	10.2
Departure	-0.2	-0.2	-0.7	-0.3	-0.9	-0.6	0.4	-0.1	-0.1	-0.3	-0.4	0.6	-2.9

Precipitation (inches) departure from normal, Utah 2012.



## **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 license holders 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 2012–13.

Year	Survey type	Sample size	Total licenses	% of license holders 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
2012–13	Web/Phone	17888	183275	83.7

\*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 1971–2012.

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 1971–2012 (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	—	2636077	3.8
2008	11.00	26.00	30.00	65.00	80.00	25.00	3463	9888	139524	24882	5089	—	2691122	5.5
2009	11.00	26.00	30.00	65.00	80.00	25.00	4068	7390	147792	22649	5461	565	2731558	5.7
2010	11.00	26.00	30.00	65.00	80.00	25.00	4442	6192	148534	20934	5494	567	2774663	5.8
2011	11.00	26.00	30.00	65.00	80.00	25.00	4451	5600	147053	18604	5312	570	2813923	5.6
2012	11.00	26.00	30.00	65.00	80.00	25.00	4361	5540	148934	18247	5561	632	2855287	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).

Source: Utah population estimates from the Utah Population Estimates Committee



## **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 2012–13 (2012–13 Utah Upland Game & Turkey Guidebook).

#### Band-tailed pigeon

- Season dates: September 1–September 30, 2012
- 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 3–December 31, 2012
- Areas open: Statewide. The youth hunt will occur on Saturday, Oct. 13, 2012. If you are a youth who will be 15 or younger on Oct. 13, 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 29, 2012–February 15, 2013
- Areas open: Statewide. The youth hunt will occur on Saturday, Sept. 22, 2012. If you are a youth who will be 15 or younger on Sept. 22, 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, 2012–February 28, 2013
- Areas open: Statewide.
- Bag limit: 10 Possession limit: 30

#### Dusky and ruffed grouse

- Season dates: September 1–December 31, 2012
- 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 2012–13 (cont.).

Greater sage-grouse (West Box Elder County)

- Season dates: September 29–October 21, 2012
- 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 255 two-bird permits available.

Greater sage-grouse (Rich County)

- Season dates: September 29–October 21, 2012
- 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 142 two-bird permits available.

Greater sage-grouse (Diamond/Blue Mountain)

- Season dates: September 29–October 21, 2012
- 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 112 two-bird permits available.

Greater sage-grouse (Parker Mountain)

- Season dates: September 29–October 21, 2012
- 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 214 two-bird permits available.

## Upland game season dates, bag and possession limits, and areas open, Utah 2012–13 (cont.).

### Hungarian (gray) partridge

- Season dates: September 29, 2012–February 15, 2013
- Areas open: Statewide. The youth hunt will occur on Saturday, Sept. 22, 2012. If you are a youth who will be 15 or younger on Sept. 22, 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, 2012
- 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 3–November 18, 2012
- Areas open: Statewide. The youth hunt will occur on Saturday, Oct. 13, 2012. If you are a youth who will be 15 or younger on Oct. 13, 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 3–December 2, 2012
- 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 2012–13 (cont.).

Scaled quail

- Season dates and bag limit: Closed

Sandhill crane (East Box Elder County)

- Season dates: September 1–September 9, 2012
- 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 30 permits available.

Sandhill crane (Cache County)

- Season dates: September 1–September 9, 2012
- 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 34 permits available.

Sandhill crane (Rich County)

- Season dates: September 1–September 9, 2012
- 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 22 permits available.

Sandhill crane (Uintah County)

- Season dates: September 22–September 30, 2012
- 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 114 permits available.

Upland game season dates, bag and possession limits, and areas open, Utah 2012–13 (cont.).

Sharp-tailed grouse (Box Elder County)

- Season dates: September 29–October 21, 2012
- 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 265 two-bird permits available.

Sharp-tailed grouse (Cache County)

- Season dates: September 29–October 21, 2012
- 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 54 two-bird permits available.

Snowshoe hare

- Season dates: September 1, 2012–March 15, 2013
- Areas open: Statewide.
- Bag limit: 5    Possession limit: 15

White-tailed ptarmigan

- Season dates: August 25–October 31, 2012
- 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 2013 (2012–13 Utah Upland Game & Turkey Guidebook).

#### Wild turkey (Youth and general-season hunts)

- Season dates: April 26–April 28, 2013 for youth-only hunts and April 29–May 31, 2013 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 13–April 25, 2013
- 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](http://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, 250 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 13–May 31, 2013.
- Areas open: Broadmouth (#9500), Missouri Flat (#9501), Folley Ridge (#9502) and New Harmony (#9503). Visit [wildlife.utah.gov/CWMU](http://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, 5 permits available for the Folley Ridge CWMU, and 3 permits available for the New Harmony CWMU. Before applying, we encourage hunters to contact the CWMU operator to obtain specific information about hunt dates and rules specific to that CWMU.