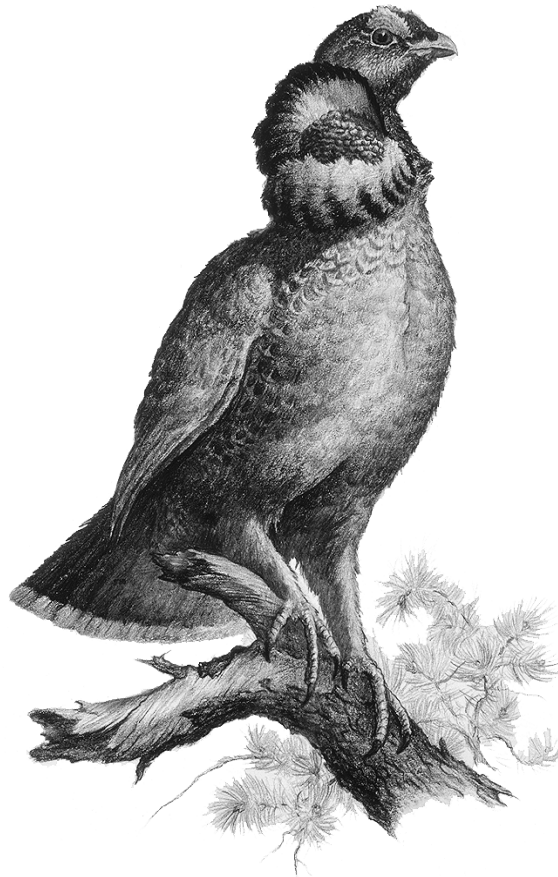


# UTAH UPLAND GAME ANNUAL REPORT 2008



CLARK BRONSON



Publication No. 09-28



# Utah Upland Game Annual Report 2008

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Annual Performance Report for Federal Aid Project W-65-M-56 & 57

State of Utah  
Department of Natural Resources  
DIVISION OF WILDLIFE RESOURCES

An Equal Opportunity Employer

**James F. Karpowitz**  
Director

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

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

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

*Aldo Leopold, 1932*

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## INTRODUCTION

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

This is the 35<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 56 & 57. 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 2008–2009 upland game season and 2008 turkey season.

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

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

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

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

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

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

## **METHODS**

### **Upland Game Harvest Surveys**

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, sage-grouse, sharp-tailed grouse, white-tailed ptarmigan, and wild turkey, were surveyed through a separate telephone survey. Online harvest reporting was mandatory for all hunters who obtained a sandhill crane permit, regardless of success. Several hunters failed to report so harvest statistics are projected by the total number of permit holders for each individual hunt.

As of July 1, 2007, the 365-day small game license was renamed a basic hunting license and all hunters were required to purchase either a valid combination license or a basic hunting license before purchasing a species-specific hunting permit in Utah or before applying in any drawings. The number of licenses sold has more than doubled as a result of this change, and a much larger sample of license holders was required for the upland game harvest survey.

37,758 people were randomly selected for participation in the general upland game harvest survey, representing a 20.7% sample of all licensed hunters in Utah for 2008. These hunters were sent an email inviting them to participate in the Internet-based harvest survey. Of those hunters contacted, 11,231 (29.7%) submitted an online harvest survey. A random sample of 3,093 hunters who did not respond to the Internet-based survey were contacted by telephone for the non-response bias survey.

A total of 37,419 hunters spent 302,019 days afield in pursuit of various upland game species in 2008, with the harvest totaling 279,591 animals. Detailed information describing the upland game harvest can be found in the following tables. Regulations for the 2008 upland game hunting season are shown in Appendix C.

Summary of upland game harvest statistics, Utah 2008.

Species	Hunters afield	Total harvest	Hunter-days afield	Bag per hunter-day	Bag per hunter per season
Band-tailed pigeon	63	19	183	0.10	0.30
Chukar partridge	6627	22777	30867	0.74	3.44
Cottontail rabbit	8543	53295	51673	0.91	5.51
Dove	13430	119877	56898	2.11	8.93
Eurasian	—	11948	—	—	—
Mourning	—	102560	—	—	—
White-winged	—	2584	—	—	—
Unknown	—	2785	—	—	—
Forest grouse	12189	35408	52577	0.67	2.90
Dusky (Blue)	—	17798	—	—	—
Ruffed	—	15305	—	—	—
Unknown	—	2305	—	—	—
Hungarian partridge	1475	3834	4825	0.79	2.60
Quail	2468	12164	12920	0.94	4.93
Ring-necked pheasant	16936	34189	59449	0.58	2.02
Sage-grouse	838	857	1327	0.65	1.12
Sandhill crane	174	101	297	0.34	0.59
Sharp-tailed grouse	179	161	233	0.70	0.91
Snowshoe hare	619	696	2489	0.28	1.02
White-tailed ptarmigan	61	57	163	0.35	0.94
Wild turkey	6831	2374	28118	0.08	0.35
Total	37419*	279591	302019	—	—

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

Number of total upland game hunters afield by species, Utah 1999–2008.

Species	Year									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Band-tailed pigeon	49	53	86	58	107	60	52	71	69	63
Chukar partridge	14388	14056	7338	6944	8118	6265	11565	6245	4971	6627
Cottontail rabbit	15475	15797	8620	7483	8685	6358	12575	7401	6794	8543
Dove	20926	23916	13715	13619	14625	13210	15849	10904	10017	13430
Forest grouse	16941	24338	14260	13020	15669	14259	13371	11532	8193	12189
Hungarian partridge	6211	3349	2596	2694	2656	2253	4345	2148	1099	1475
Quail	4002	3828	3140	2394	2537	2099	3519	2809	2073	2468
Ring-necked pheasant	36211	41074	26468	22149	20773	13457	26864	16521	13764	16936
Sage-grouse	4830	1456	1242	521	767	1077	1231	1070	1083	838
Sandhill crane	82	99	107	86	79	67	76	105	141	174
Sharp-tailed grouse	332	364	309	71	249	218	170	152	149	179
Snowshoe hare	2139	1855	417	658	686	525	612	496	550	619
White-tailed ptarmigan	34	65	114	59	114	61	98	61	58	61
Wild turkey										6831
Merriam's	327	396	548	622	617	459	441	556	649	—
Rio Grande	413	615	769	876	810	820	1215	1873	2151	—
Total Hunters*	55553	54716	45150	44238	48261	44629	50821	40873	30525	37419

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

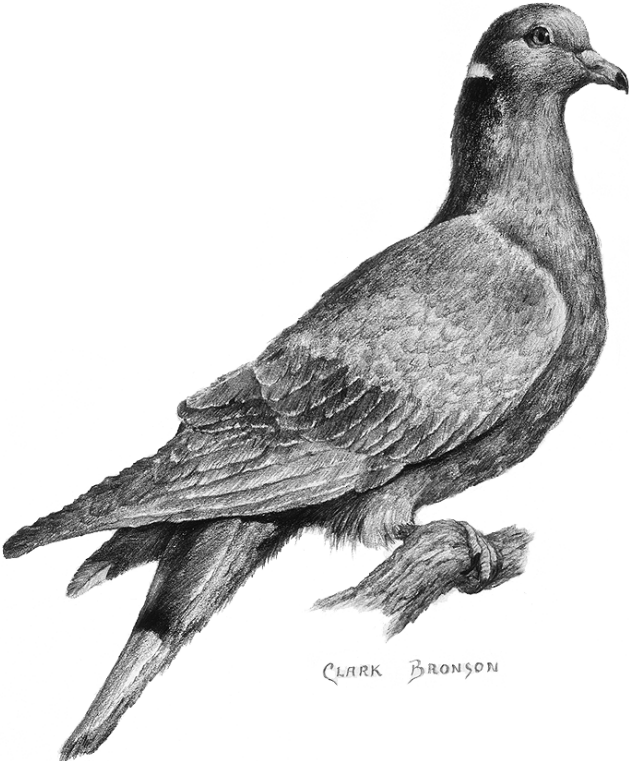


Percent of upland game hunters afield who reported hunting each species, Utah 1999–2008.

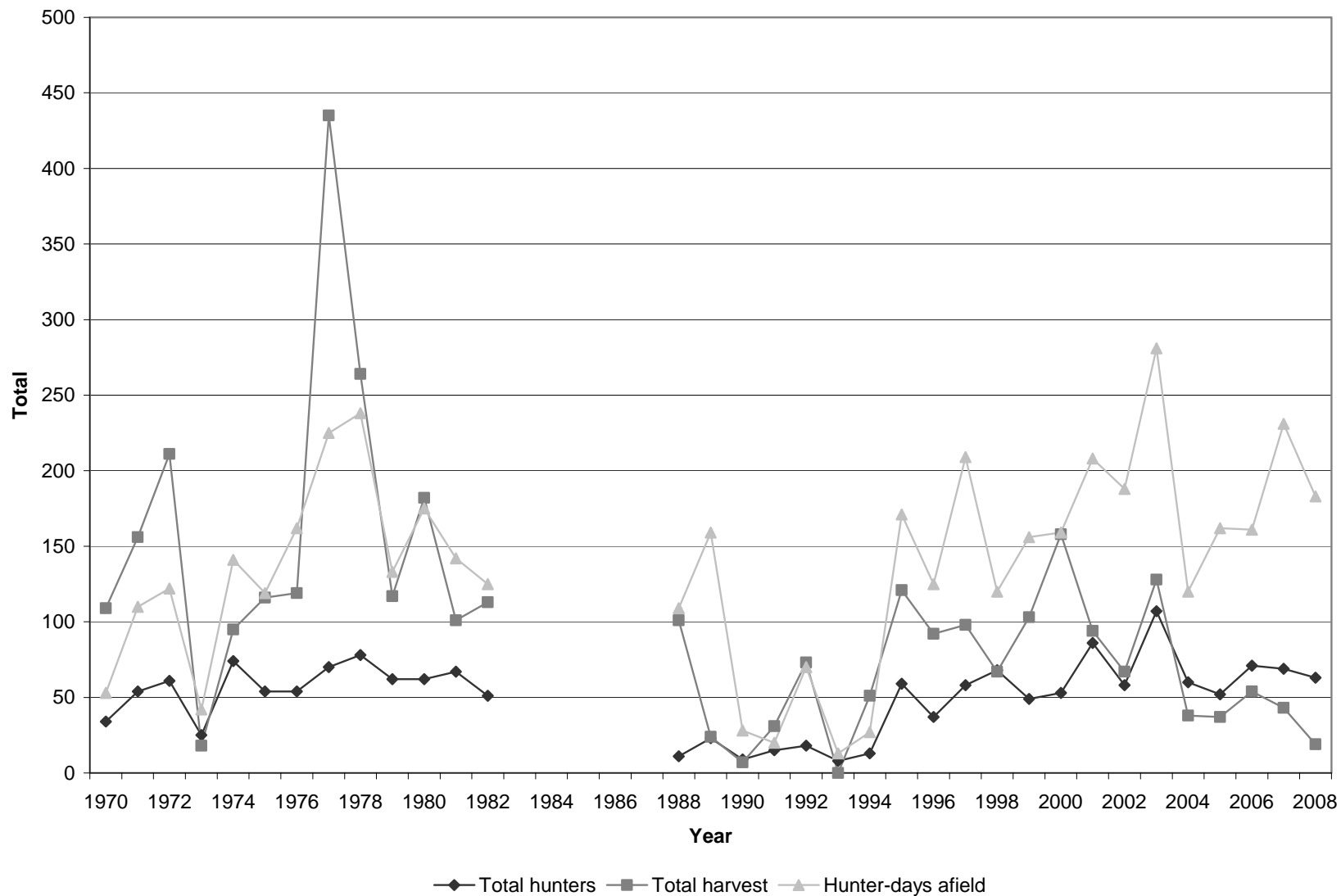
Species	Year									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Band-tailed pigeon*	0.09	0.10	0.19	0.13	0.22	0.13	0.10	0.17	0.23	0.17
Chukar partridge	25.90	25.69	16.25	15.70	16.82	14.04	22.76	15.28	16.29	17.71
Cottontail rabbit	27.86	28.87	19.09	16.92	18.00	14.25	24.74	18.11	22.26	22.83
Dove	37.67	43.71	30.38	30.79	30.30	29.60	31.19	26.68	32.82	35.89
Forest grouse	30.50	44.48	31.58	29.43	32.47	31.95	26.31	28.21	26.84	32.57
Hungarian partridge	11.18	6.12	5.75	6.09	5.50	5.05	8.55	5.26	3.60	3.94
Quail	7.20	7.00	6.95	5.41	5.26	4.70	6.92	6.87	6.79	6.60
Ring-necked pheasant	65.18	75.07	58.62	50.07	43.04	30.15	52.86	40.42	45.09	45.26
Sage-grouse*	8.69	2.66	2.75	1.18	1.59	2.41	2.42	2.62	3.55	2.24
Sandhill crane	0.15	0.18	0.24	0.19	0.16	0.15	0.15	0.26	0.46	0.47
Sharp-tailed grouse*	0.60	0.67	0.68	0.16	0.52	0.49	0.33	0.37	0.49	0.48
Snowshoe hare	3.85	3.39	0.92	1.49	1.42	1.18	1.20	1.21	1.80	1.65
White-tailed ptarmigan*	0.06	0.12	0.25	0.13	0.24	0.14	0.19	0.15	0.19	0.16
Wild turkey*										18.26
Merriam's	0.59	0.72	1.21	1.41	1.28	1.03	0.87	1.36	2.13	—
Rio Grande	0.74	1.12	1.70	1.98	1.68	1.84	2.39	4.58	7.05	—

\*Although band-tailed pigeon, sage-grouse, sandhill crane, sharp-tailed grouse, wild turkey, and white-tailed ptarmigan harvest were determined by separate surveys, it is assumed that these hunters are derived from the same group of hunters who reported hunting other upland species.

**BAND-TAILED PIGEON**

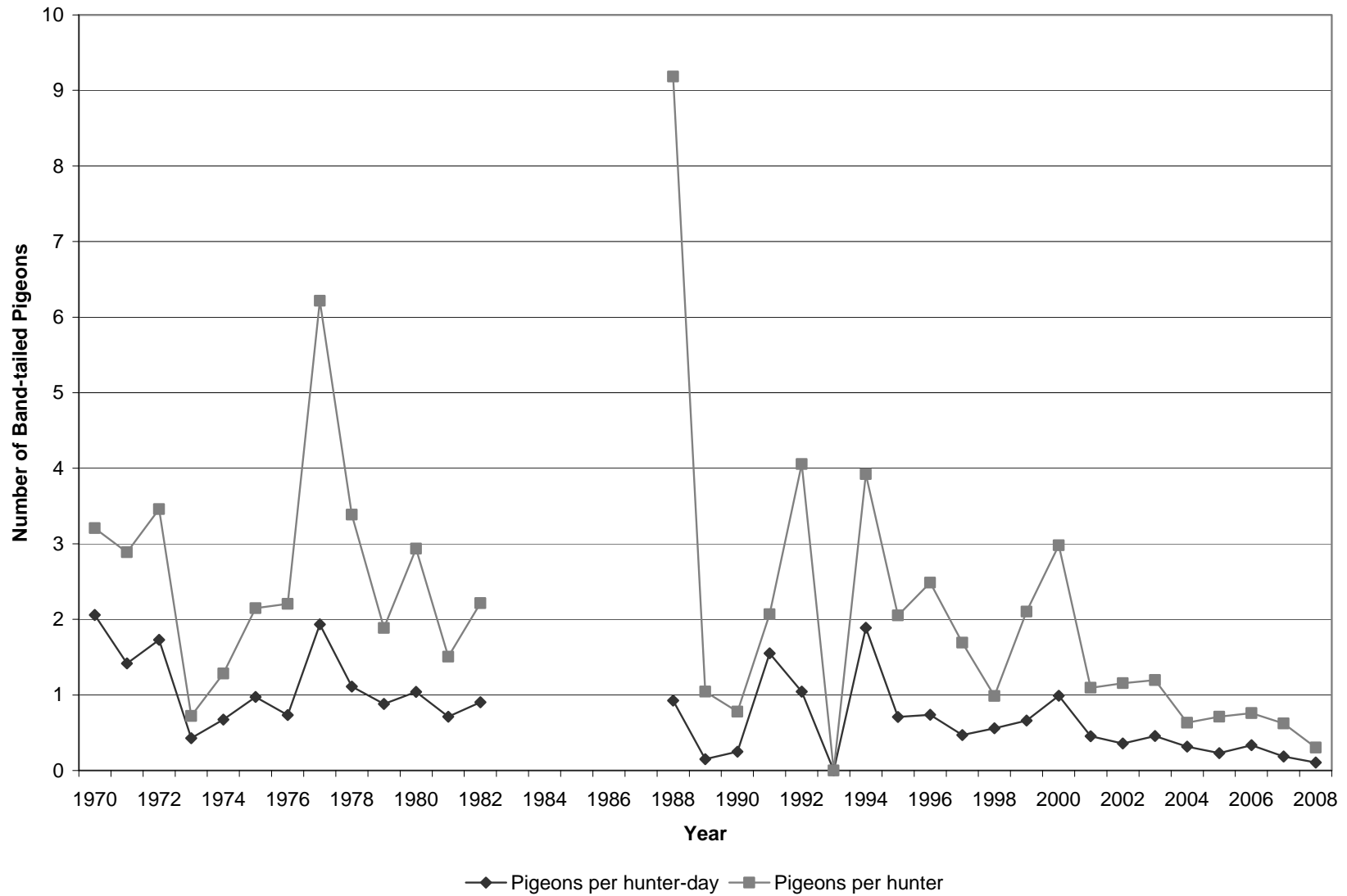


Statewide trends in band-tailed pigeon harvest statistics, Utah 1970–2008.



\*No data available 1983–1987.

Statewide trends in band-tailed pigeon hunter success, Utah 1970–2008.



\*No data available 1983–1987.

Band-tailed pigeon harvest statistics by region and county, Utah 2008.

Region and county	n	Hunters afield	Hunter-days afield	Pigeons bagged	Pigeons / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	2	3	8	0	0.00	4.4	0.0
Cache	2	3	6	0	0.00	3.3	0.0
Davis	1	2	3	0	0.00	1.6	0.0
Morgan	0	—	—	—	—	—	—
Rich	1	2	2	0	0.00	1.1	0.0
Summit	0	—	—	—	—	—	—
Weber	1	2	3	0	0.00	1.6	0.0
Regional total	7	12	22	0	0.00	12.0	0.0
Central Region							
Juab	0	—	—	—	—	—	—
Salt Lake	0	—	—	—	—	—	—
Sanpete	1	2	2	0	0.00	1.1	0.0
Tooele	1	2	23	0	0.00	12.6	0.0
Utah	9	15	40	0	0.00	21.9	0.0
Wasatch	0	—	—	—	—	—	—
Regional total	11	19	65	0	0.00	35.5	0.0
Southern Region							
Beaver	1	2	3	0	0.00	1.6	0.0
Garfield	2	3	11	0	0.00	6.0	0.0
Iron	2	3	18	0	0.00	9.8	0.0
Kane	0	—	—	—	—	—	—
Millard	7	11	31	3	0.10	16.9	15.8
Piute	0	—	—	—	—	—	—
Sevier	1	2	5	0	0.00	2.7	0.0
Washington	1	2	5	0	0.00	2.7	0.0
Wayne	0	—	—	—	—	—	—
Regional total	14	23	73	3	0.04	39.9	15.8
Northeastern Region							
Daggett	0	—	—	—	—	—	—
Duchesne	0	—	—	—	—	—	—
Uintah	1	2	2	0	0.00	1.1	0.0
Regional total	1	2	2	0	0.00	1.1	0.0
Southeastern Region							
Carbon	0	—	—	—	—	—	—
Emery	0	—	—	—	—	—	—
Grand	3	5	8	0	0.00	4.4	0.0
San Juan	1	2	2	0	0.00	1.1	0.0
Regional total	4	7	10	0	0.00	5.5	0.0
Unknown	2	3	11	16	1.45	6.0	84.2
Statewide total*	39	63	183	19	0.10	100.0	100.0

\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties. Areas open for band-tailed pigeon hunting include Beaver, Garfield, Grand, Iron, Kane, Millard, Piute, San Juan, Sanpete, Sevier, Utah, Washington, and Wayne counties. Several hunters indicated that they hunted band-tailed pigeon outside of these areas. Projection factor = 1.61; 274 permits sold; 170 (62%) permits surveyed

Statewide band-tailed pigeon harvest statistics, Utah 1970–2008.

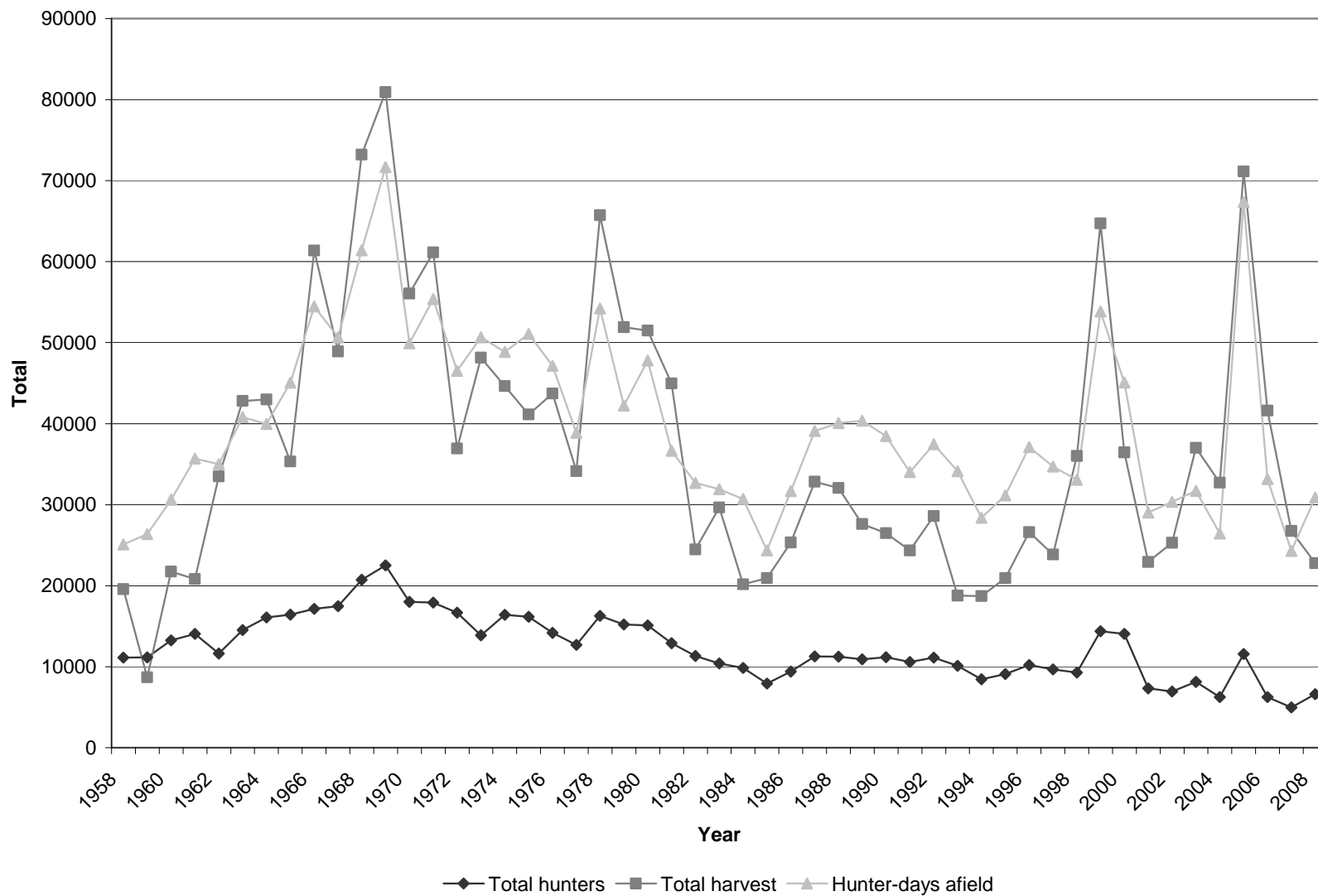
Year	Total hunters	Total harvest	Hunter-days afield	Pigeons / hunter-day	Pigeons / hunter
1970	34	109	53	2.06	3.21
1971	54	156	110	1.42	2.89
1972	61	211	122	1.73	3.46
1973	25	18	42	0.43	0.72
1974	74	95	141	0.67	1.28
1975	54	116	119	0.97	2.15
1976	54	119	162	0.73	2.20
1977	70	435	225	1.93	6.21
1978	78	264	238	1.11	3.38
1979	62	117	133	0.88	1.89
1980	62	182	175	1.04	2.94
1981	67	101	142	0.71	1.51
1982	51	113	125	0.90	2.22
1983-87*	—	—	—	—	—
1988	11	101	109	0.93	9.18
1989	23	24	159	0.15	1.04
1990	9	7	28	0.25	0.78
1991	15	31	20	1.55	2.07
1992	18	73	70	1.04	4.06
1993	8	0	13	0.00	0.00
1994	13	51	27	1.89	3.92
1995	59	121	171	0.71	2.05
1996	37	92	125	0.74	2.49
1997	58	98	209	0.47	1.69
1998	68	67	120	0.56	0.99
1999	49	103	156	0.66	2.10
2000	53	158	159	0.99	2.98
2001	86	94	208	0.45	1.09
2002	58	67	188	0.36	1.16
2003	107	128	281	0.46	1.20
2004	60	38	120	0.32	0.63
2005	52	37	162	0.23	0.71
2006	71	54	161	0.34	0.76
2007	69	43	231	0.19	0.62
2008	63	19	183	0.10	0.30
Total (1970–2008)	1733	3442	4687	—	—
Average (1970–2007)	51	104	136	0.76	2.05
% change from previous year	-9	-56	-21	-44	-52
% change from average	24	-82	34	-86	-85

\*No data from 1983 to 1987

# CHUKAR PARTRIDGE

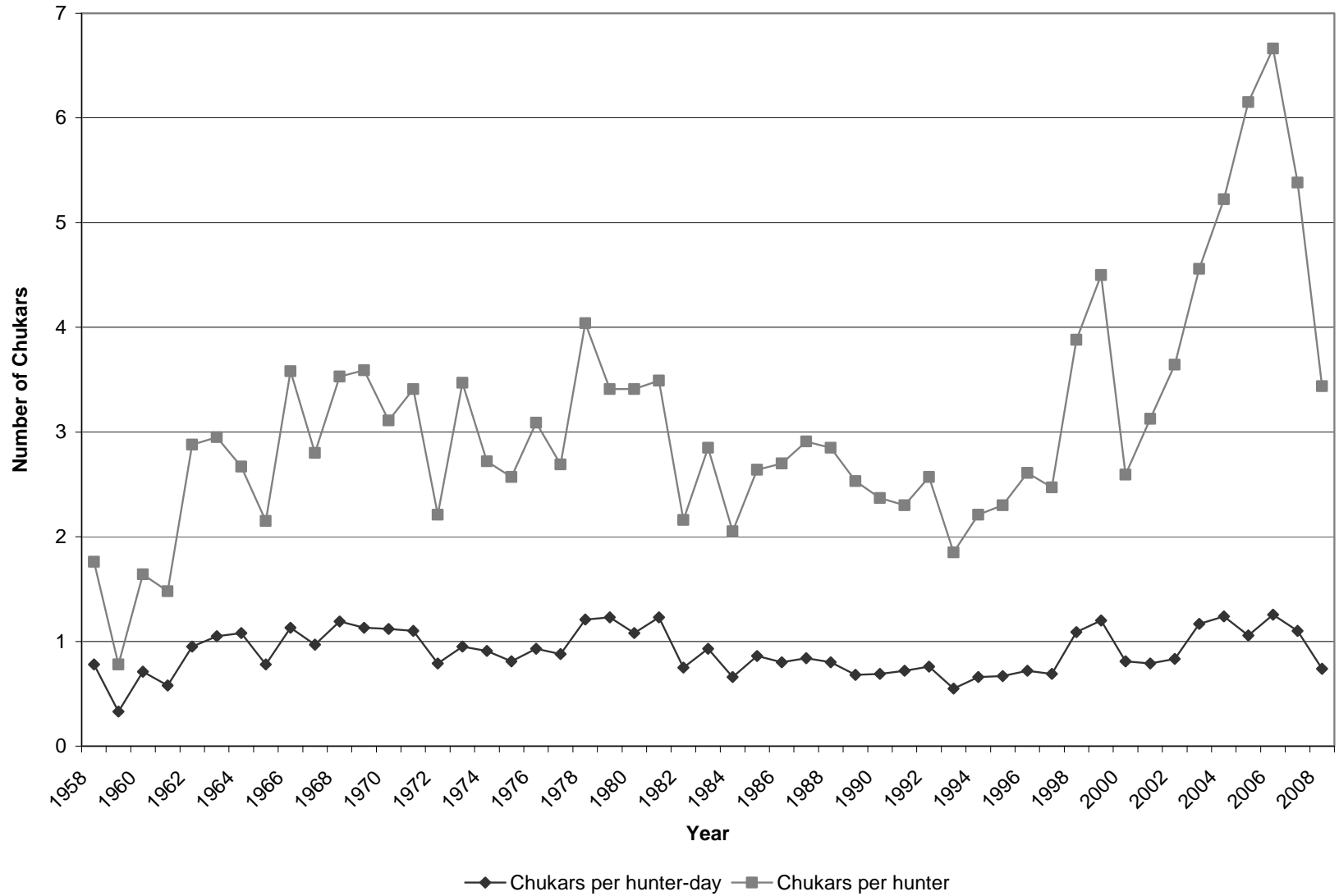


Statewide trends of chukar partridge harvest statistics, Utah 1958–2008.





Statewide trends of chukar partridge hunter success, Utah 1958–2008.



Chukar partridge aerial survey, Northeast Cedar Mountains, Tooele County, Utah 1996–2008.

Year	Date	Coveys flushed	Total chukars observed	Square miles surveyed	Chukars / square mile	Elapsed time (hours)	Chukars / survey hour
1996	08/21/96	12	103	6.49	16	1.17	88
1997	08/20/97	18	295	8.00	37	1.17	252
1998	09/03/98	52	939	8.00	117	1.35	696
1999	08/16/99	65	623	8.00	78	1.75	356
2000	08/21/00	23	96	8.00	12	1.30	74
2001	—	9	68	8.00	9	1.63	42
2002	08/28/02	5	36	8.00	5	1.61	22
2003	08/22/03	27	238	8.00	30	1.33	179
2004	08/20/04	15	167	8.00	21	1.87	89
2005	08/18/05	36	566	8.00	71	1.53	370
2006	08/24/06	50	779	8.00	97	2.50	312
2007	08/29/07	24	144	8.00	18	2.00	72
2008	09/15/08	22	94	5.00	19	2.42	39
Total (1996–2008)	—	358	4148	—	—	—	—
Average (1996–2007)	—	28	338	8	42	1.60	213
% change from previous year	—	-8	-35	-38	4	21	-46
% change from average	—	-21	-72	-37	-56	51	-82

Chukar partridge harvest statistics by region and county, Utah 2008.

Region and county	n	Hunters afield	Hunter-days afield	Chukars bagged	Chukars / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	155	1405	5764	5385	0.93	18.7	23.6
Cache	53	480	1769	1160	0.66	5.7	5.1
Davis	7	63	144	135	0.94	0.5	0.6
Morgan	12	109	242	180	0.74	0.8	0.8
Rich	2	18	81	11	0.14	0.3	0.0
Summit	11	100	350	214	0.61	1.1	0.9
Weber	10	91	153	259	1.69	0.5	1.1
Regional total	250	2266	8503	7344	0.86	27.5	32.2
Central Region							
Juab	51	462	2209	1341	0.61	7.2	5.9
Salt Lake	8	73	314	180	0.57	1.0	0.8
Sanpete	25	227	516	428	0.83	1.7	1.9
Tooele	147	1333	5737	3999	0.70	18.6	17.6
Utah	123	1115	4139	2952	0.71	13.4	13.0
Wasatch	2	18	54	68	1.26	0.2	0.3
Regional total	356	3228	12969	8968	0.69	42.0	39.4
Southern Region							
Beaver	18	163	655	439	0.67	2.1	1.9
Garfield	6	54	126	45	0.36	0.4	0.2
Iron	5	45	117	68	0.58	0.4	0.3
Kane	0	—	—	—	—	—	—
Millard	41	372	1158	1081	0.93	3.8	4.7
Piute	9	82	341	192	0.56	1.1	0.8
Sevier	43	390	2110	1577	0.75	6.8	6.9
Washington	22	199	1410	856	0.61	4.6	3.8
Wayne	4	36	63	0	0.00	0.2	0.0
Regional total	148	1341	5980	4258	0.71	19.4	18.7
Northeastern Region							
Daggett	2	18	18	23	1.28	0.1	0.1
Duchesne	21	190	557	225	0.40	1.8	1.0
Uintah	13	118	476	428	0.90	1.5	1.9
Regional total	36	326	1051	676	0.64	3.4	3.0
Southeastern Region							
Carbon	14	127	745	327	0.44	2.4	1.4
Emery	25	227	943	811	0.86	3.1	3.6
Grand	9	82	260	11	0.04	0.8	0.0
San Juan	2	18	54	0	0.00	0.2	0.0
Regional total	50	454	2002	1149	0.57	6.5	5.0
Unknown	17	154	362	381	1.05	1.2	1.7
Statewide total*	731	6627	30867	22777	0.74	100.0	100.0

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

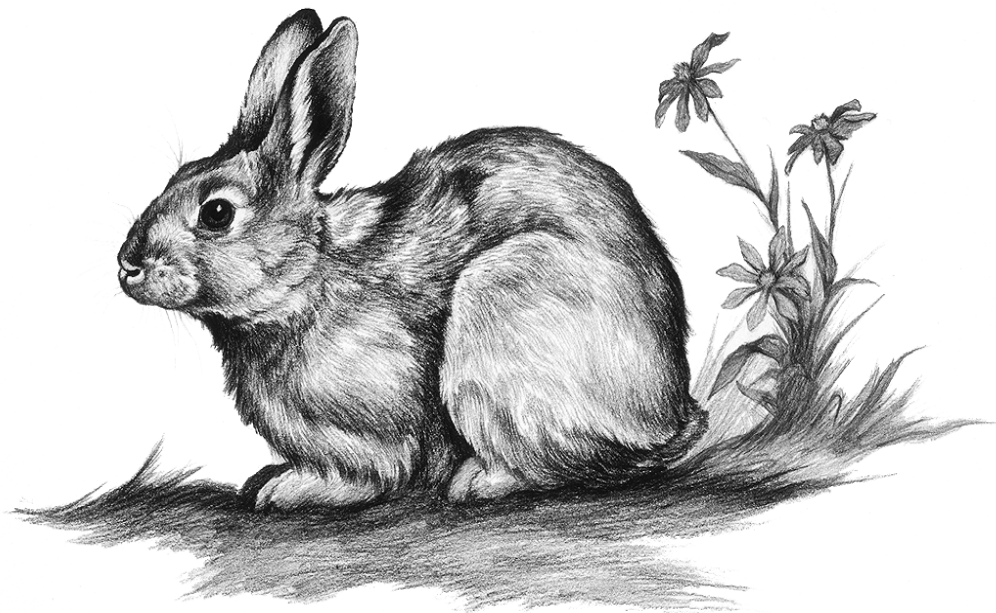
Statewide chukar partridge harvest statistics, Utah 1958–2008.

Year	Total hunters	Total harvest	Hunter-days afield	Chukars / hunter-day	Chukars / hunter
1958	11124	19578	25100	0.78	1.76
1959	11154	8700	26364	0.33	0.78
1960	13252	21733	30610	0.71	1.64
1961	14046	20821	35675	0.58	1.48
1962	11638	33500	35010	0.95	2.88
1963	14532	42806	40824	1.05	2.95
1964	16090	42974	39971	1.08	2.67
1965	16431	35335	45067	0.78	2.15
1966	17133	61370	54448	1.13	3.58
1967	17485	48906	50671	0.97	2.80
1968	20744	73218	61402	1.19	3.53
1969	22529	80917	71674	1.13	3.59
1970	18013	56053	49911	1.12	3.11
1971	17917	61151	55378	1.10	3.41
1972	16685	36925	46502	0.79	2.21
1973	13888	48135	50677	0.95	3.47
1974	16412	44658	48856	0.91	2.72
1975	16156	41151	51083	0.81	2.57
1976	14171	43726	47143	0.93	3.09
1977	12691	34155	38873	0.88	2.69
1978	16291	65747	54239	1.21	4.04
1979	15210	51918	42254	1.23	3.41
1980	15100	51511	47778	1.08	3.41
1981	12907	44983	36662	1.23	3.49
1982	11326	24460	32691	0.75	2.16
1983	10418	29649	31904	0.93	2.85
1984	9846	20179	30715	0.66	2.05
1985	7930	20938	24346	0.86	2.64
1986	9397	25346	31672	0.80	2.70
1987	11276	32848	39099	0.84	2.91
1988	11237	32057	40088	0.80	2.85
1989	10910	27628	40384	0.68	2.53
1990	11195	26486	38463	0.69	2.37
1991	10577	24355	34010	0.72	2.30
1992	11125	28599	37463	0.76	2.57
1993	10128	18774	34147	0.55	1.85
1994	8455	18721	28389	0.66	2.21
1995	9097	20954	31140	0.67	2.30

Statewide chukar partridge harvest statistics, Utah 1958–2008 (cont.).

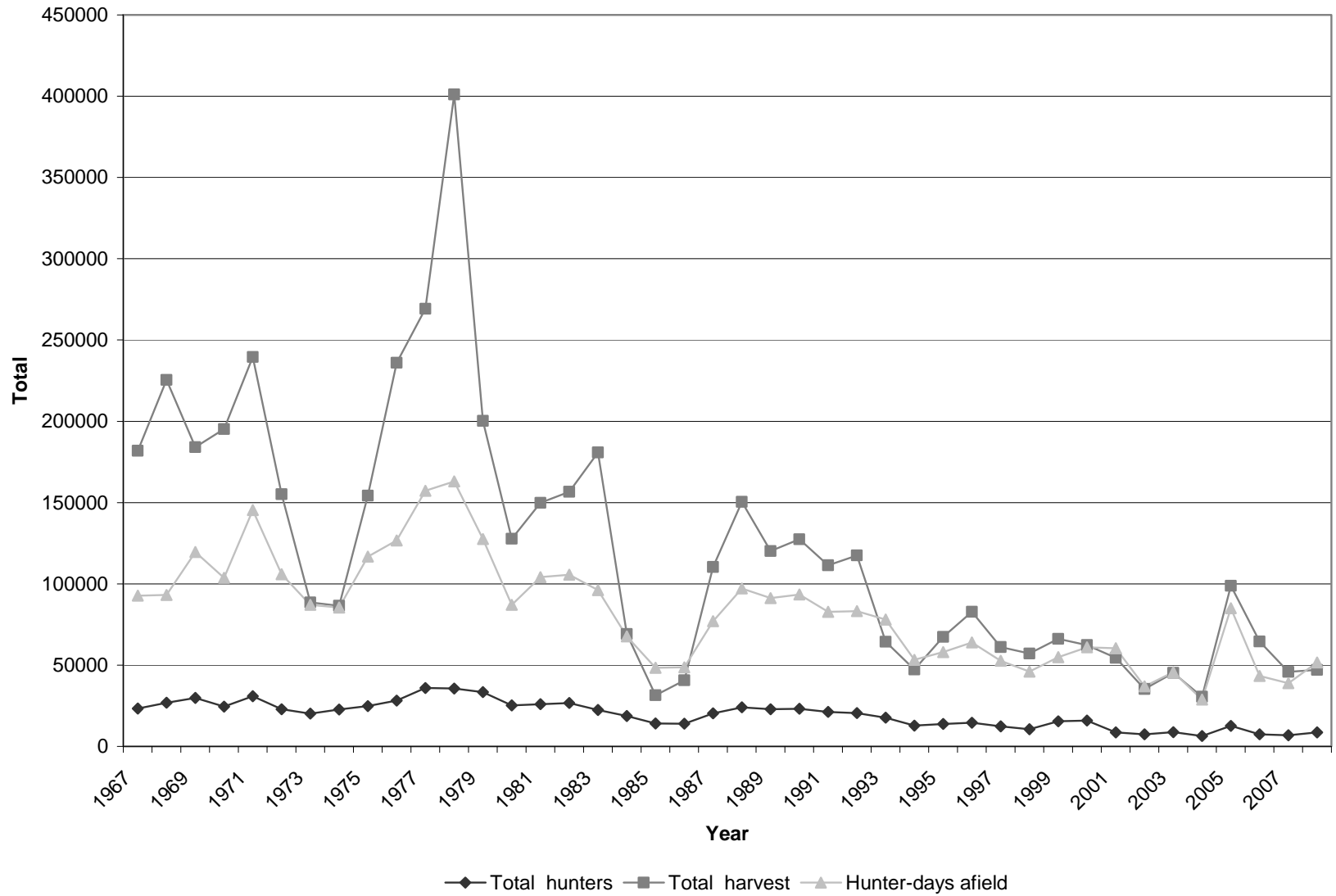
Year	Total hunters	Total harvest	Hunter-days afield	Chukars / hunter-day	Chukars / hunter
1996	10197	26594	37116	0.72	2.61
1997	9665	23840	34711	0.69	2.47
1998	9283	36013	33082	1.09	3.88
1999	14388	64727	53842	1.20	4.50
2000	14056	36458	45096	0.81	2.59
2001	7338	22941	29032	0.79	3.13
2002	6944	25294	30351	0.83	3.64
2003	8118	37007	31696	1.17	4.56
2004	6265	32718	26421	1.24	5.22
2005	11565	71134	67373	1.06	6.15
2006	6245	41618	33175	1.25	6.66
2007	4971	26758	24291	1.10	5.38
2008	6627	22777	30867	0.74	3.44
Total (1958–2008)	630178	1888844	2037736	—	—
Average (1958–2007)	12471	37321	40137	0.93	2.99
% change from previous year	33	-15	27	-33	-36
% change from average	-47	-39	-23	-21	15

# COTTONTAIL RABBIT

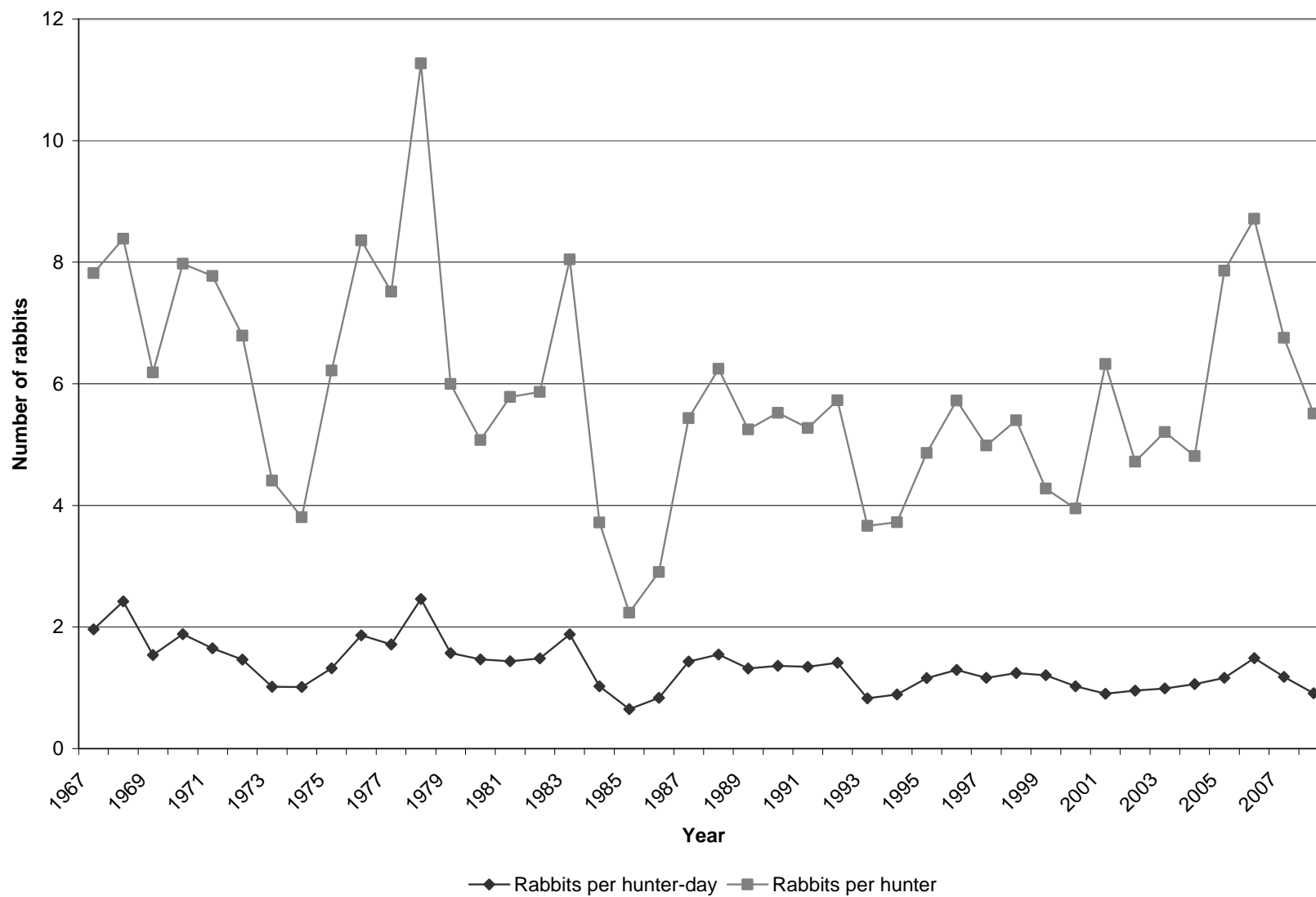


CLARK BRONSON

Statewide trends of cottontail rabbit harvest statistics, Utah 1967–2008.



Statewide trends of cottontail rabbit hunter success, Utah 1967–2008.





Cottontail rabbit harvest statistics by region and county, Utah 2008.

Region and county	n	Hunters afield	Hunter-days afield	Rabbits bagged	Rabbits / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	96	937	3358	2190	0.65	6.5	4.7
Cache	25	244	950	854	0.90	1.8	1.8
Davis	1	10	68	57	0.84	0.1	0.1
Morgan	6	59	158	76	0.48	0.3	0.2
Rich	23	225	871	1152	1.32	1.7	2.4
Summit	18	176	803	689	0.86	1.6	1.5
Weber	5	49	204	123	0.60	0.4	0.3
Regional total	174	1700	6412	5141	0.80	12.4	10.9
Central Region							
Juab	47	459	1639	1718	1.05	3.2	3.6
Salt Lake	6	59	285	9	0.03	0.6	0.0
Sanpete	31	303	1843	1218	0.66	3.6	2.6
Tooele	123	1201	5077	3313	0.65	9.8	7.0
Utah	86	840	3313	2001	0.60	6.4	4.3
Wasatch	10	98	656	547	0.83	1.3	1.2
Regional total	303	2960	12813	8806	0.69	24.8	18.7
Southern Region							
Beaver	28	273	1232	1586	1.29	2.4	3.4
Garfield	17	166	758	500	0.66	1.5	1.1
Iron	41	400	2781	1529	0.55	5.4	3.2
Kane	10	98	622	444	0.71	1.2	0.9
Millard	27	264	1097	944	0.86	2.1	2.0
Piute	8	78	509	321	0.63	1.0	0.7
Sevier	21	205	1730	783	0.45	3.3	1.7
Washington	39	381	3452	1877	0.54	6.7	4.0
Wayne	20	195	644	680	1.06	1.2	1.4
Regional total	211	2060	12825	8664	0.68	24.8	18.4
Northeastern Region							
Daggett	22	215	1029	1359	1.32	2.0	2.9
Duchesne	81	791	3502	12356	3.53	6.8	26.2
Uintah	64	625	3177	2068	0.65	6.1	4.4
Regional total	167	1631	7708	15783	2.05	14.9	33.5
Southeastern Region							
Carbon	51	498	4839	2454	0.51	9.4	5.2
Emery	47	459	3595	2388	0.66	7.0	5.1
Grand	16	156	690	1001	1.45	1.3	2.1
San Juan	31	303	1119	1690	1.51	2.2	3.6
Regional total	145	1416	10243	7533	0.74	19.8	16.0
Unknown	38	371	1673	1152	0.69	3.2	2.4
Statewide total*	875	8543	51673	47077	0.91	100.0	100.0

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

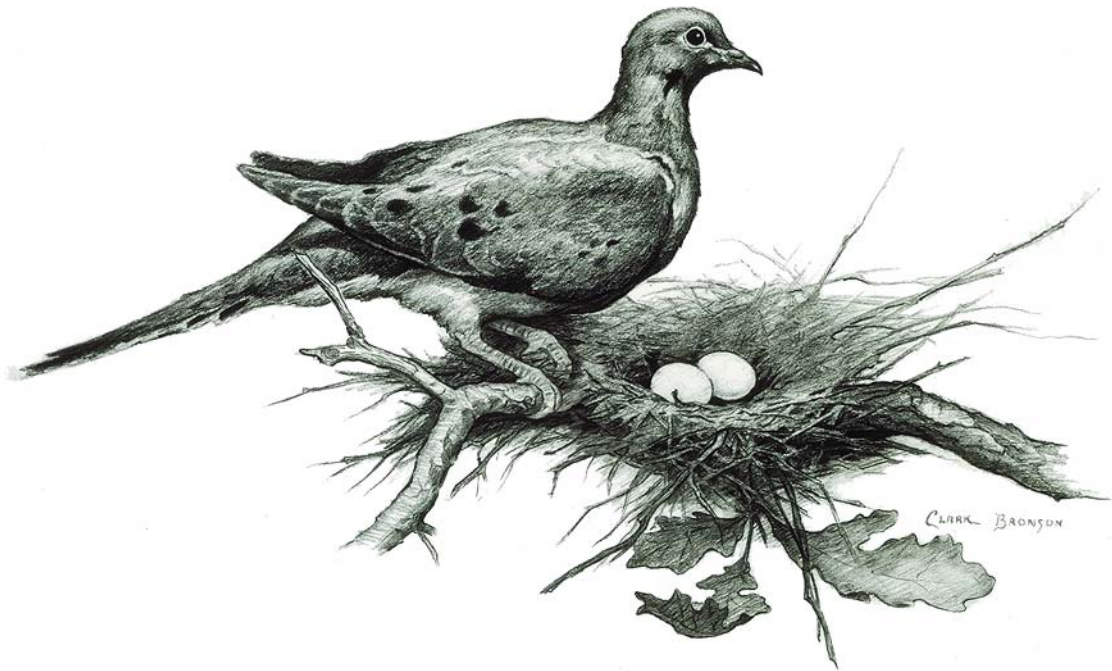
Statewide cottontail rabbit harvest statistics, Utah 1967–2008.

Year	Total hunters	Total harvest	Hunter-days afield	Rabbits / hunter-day	Rabbits / hunter
1967	23249	181812	92681	1.96	7.82
1968	26889	225450	93126	2.42	8.38
1969	29760	184034	119596	1.54	6.18
1970	24486	195248	103725	1.88	7.97
1971	30824	239511	145287	1.65	7.77
1972	22835	155102	105941	1.46	6.79
1973	20109	88603	87036	1.02	4.41
1974	22737	86506	85499	1.01	3.80
1975	24803	154182	116707	1.32	6.22
1976	28239	235952	126737	1.86	8.36
1977	35831	269263	157257	1.71	7.51
1978	35590	401071	163019	2.46	11.27
1979	33385	200223	127497	1.57	6.00
1980	25156	127652	87051	1.47	5.07
1981	25906	149765	104183	1.44	5.78
1982	26714	156696	105644	1.48	5.87
1983	22467	180767	96151	1.88	8.05
1984	18616	69186	67643	1.02	3.72
1985	14059	31397	48371	0.65	2.23
1986	13992	40636	48694	0.83	2.90
1987	20322	110411	77047	1.43	5.43
1988	24076	150386	97190	1.55	6.25
1989	22878	120075	91264	1.32	5.25
1990	23070	127389	93515	1.36	5.52
1991	21137	111407	82772	1.35	5.27
1992	20509	117454	83154	1.41	5.73
1993	17578	64400	77968	0.83	3.66
1994	12709	47322	53175	0.89	3.72
1995	13840	67295	58042	1.16	4.86
1996	14470	82803	63943	1.29	5.72
1997	12263	61109	52587	1.16	4.98
1998	10585	57137	45947	1.24	5.40
1999	15475	66142	54894	1.20	4.27
2000	15797	62330	60895	1.02	3.95
2001	8620	54506	60401	0.90	6.32
2002	7483	35320	36994	0.95	4.72
2003	8685	45210	45693	0.99	5.21
2004	6358	30586	28828	1.06	4.81
2005	12575	98827	85059	1.16	7.86

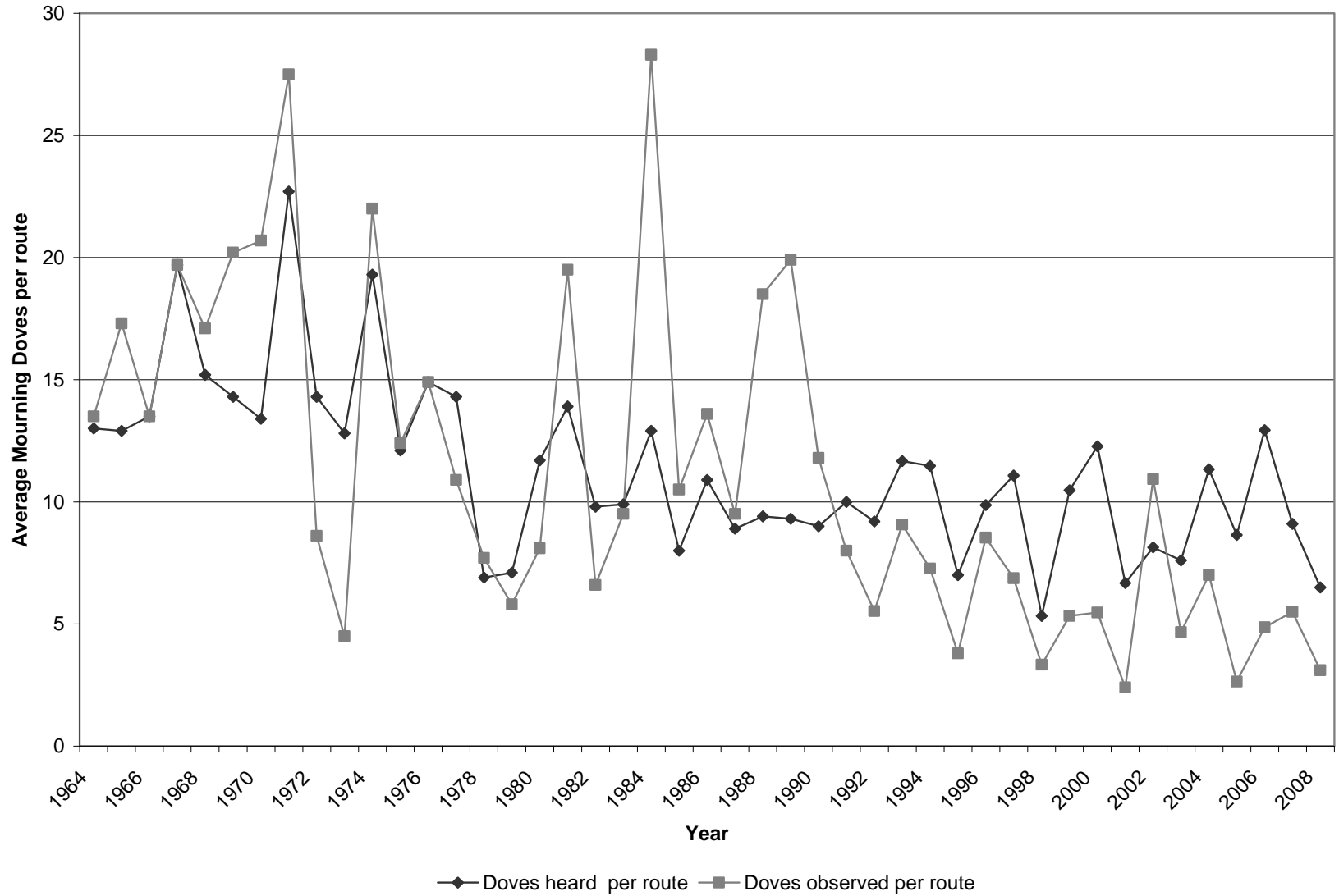
Statewide cottontail rabbit harvest statistics, Utah 1967–2008 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Rabbits / hunter-day	Rabbits / hunter
2006	7401	64476	43334	1.49	8.71
2007	6794	45902	38886	1.18	6.76
2008	8543	47077	51673	0.91	5.51
Total (1967–2008)	816815	5040620	3465106	—	—
Average (1967–2007)	19714	121794	83254	1.46	6.18
% change from previous year	26	3	33	-23	-18
% change from average	-57	-61	-38	-38	-11

# DOVE



Mourning dove breeding density index trend, Utah 1964–2008.



Summary of mourning dove call-count surveys by county and region, Utah 2008.

Region and county	Route number	Doves heard / route	Doves observed / route
Northern Region			
Box Elder	R1500	19	17
Summit	R1020	2	1
Regional total		21	18
Central Region			
Juab	R2830	5	4
Regional total		5	4
Southern Region			
Beaver	R3820	0	0
Garfield	R1090	0	0
Iron	R4001	12	0
Millard	R3640	3	1
Sevier-Sanpete	R0370	5	10
Washington	R4311	19	8
Wayne-Sevier	R0660	1	0
Regional total		40	19
Northeastern Region			
Duchesne	R0080	2	0
Uintah	R0220	3	2
Regional total		5	2
Southeastern Region			
Emery	R0540	2	1
San Juan	R1171	7	2
San Juan	R1452	17	1
Regional total		26	4
Statewide total		97	47
Statewide average		6.5	3.1
Previous year average		9.1	5.5
% change from previous year		-29	-43

Statewide trends of mourning dove call-count surveys, Utah 1964–2008.

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 1964–2008 (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
Average (1964–2007)	11.4	54.4	11.2
% change from previous year	-28.6	—	-43.6
% change from average	-43.1	—	-72.3

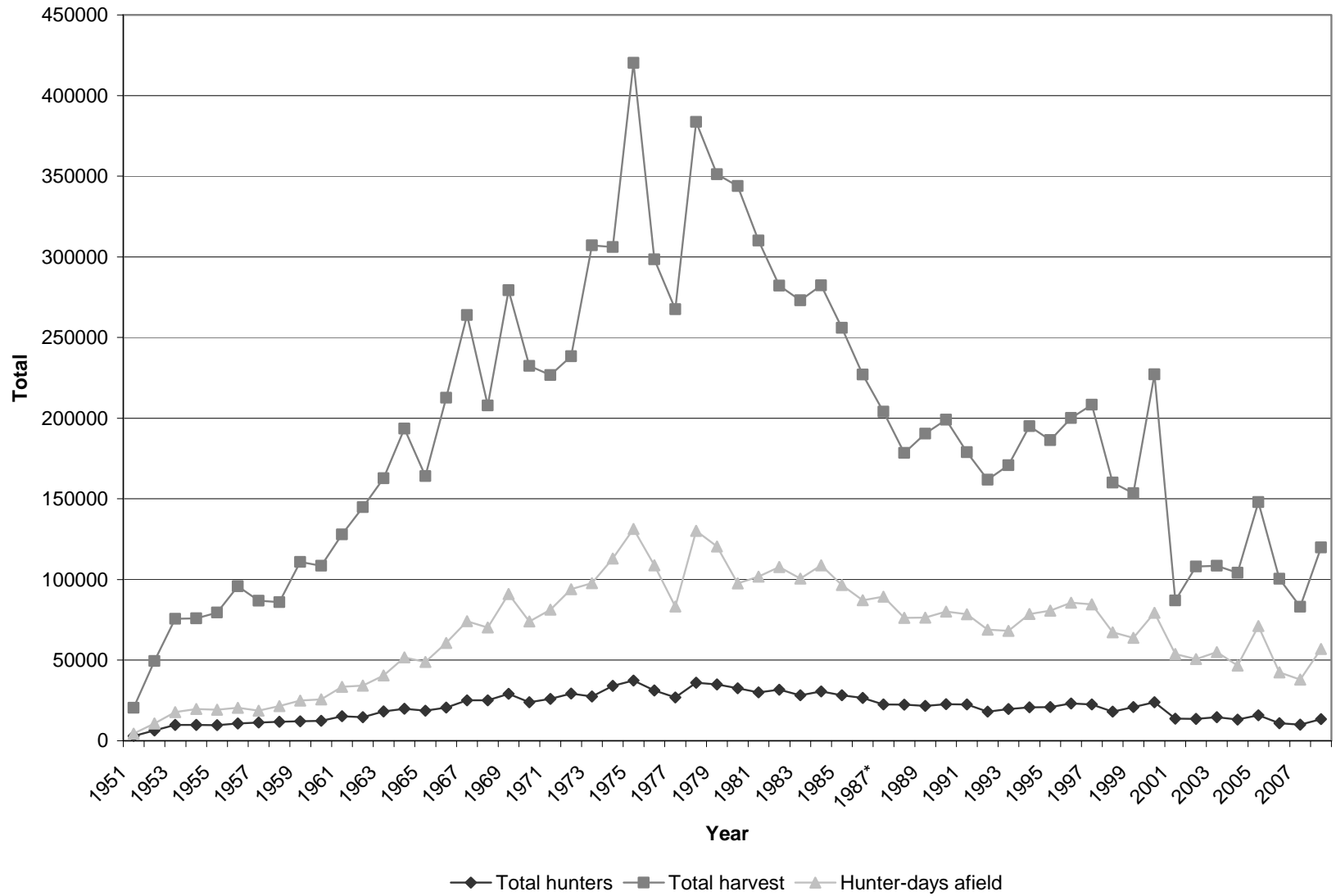


Mourning dove breeding population trend based on random call-count surveys, Utah 1999–2008.

Region and county	Route number	Number of mourning doves heard / route									
		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Northern Region											
Box Elder	R1500	3	3	6	0	5	14	13	11	18	19
Summit	R1020	5	1	1	6	6	7	2	3	0	2
Regional total		8	4	7	6	11	21	15	14	18	21
Central Region											
Juab	R2830	47	37	34	15	9	37	34	38	34	5
Regional total		47	37	34	15	9	37	34	38	34	5
Southern Region											
Beaver	R3820	5	22	2	12	1	7	2	8	10	0
Garfield	R1090	0	13	1	2	2	5	3	18	7	0
Iron	R4001	24	26	20	21	17	27	23	41	20	12
Millard	R3640	3	7	0	3	4	1	—	6	4	3
Sevier-Sanpete	R0370	5	6	5	5	6	6	4	4	5	5
Washington	R4311	2	5	4	2	7	7	11	5	10	19
Wayne-Sevier	R0660	8	27	1	8	11	3	0	3	1	1
Regional total		47	106	33	53	48	56	43	85	57	40
Northeastern Region											
Duchesne	R0080	12	5	4	12	12	12	3	11	3	2
Uintah	R0220	7	2	4	13	8	6	15	14	9	3
Regional total		19	7	8	25	20	18	18	25	12	5
Southeastern Region											
Emery	R0540	8	4	10	—	5	10	3	2	6	2
San Juan	R1171	27	22	5	13	17	15	1	20	2	7
San Juan	R1451/R1452	1	4	3	2	4	13	7	10	7	17
Regional total		36	30	18	15	26	38	11	32	15	26
Statewide total		157	184	100	114	114	170	121	194	136	97
Statewide average		10.5	12.3	6.7	8.1	7.6	11.3	8.6	12.9	9.1	6.5
% change from previous year		70	17	-46	22	-7	49	-24	50	-30	-29

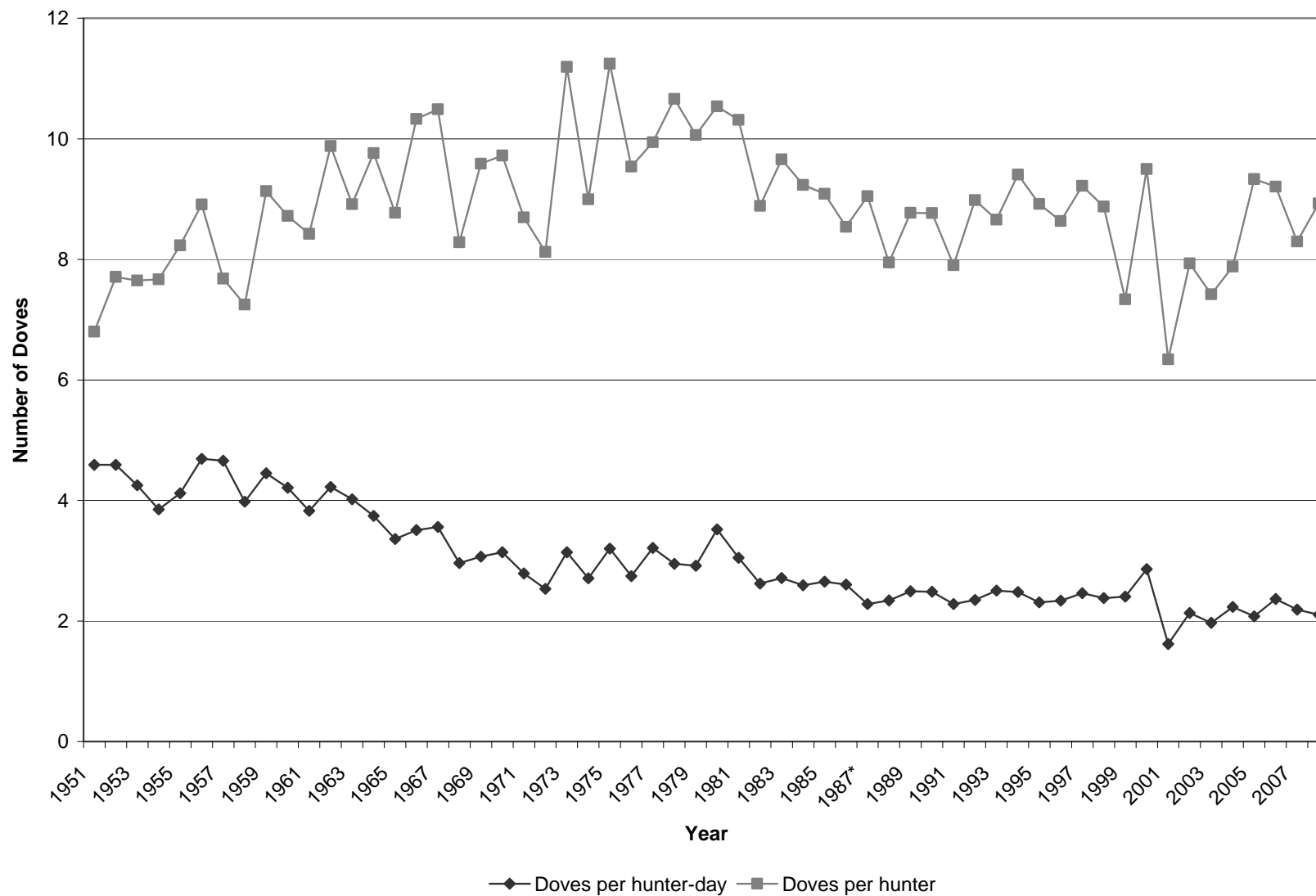
\*Route R1451 was discontinued after 2003 and replaced with route R1452.

Statewide trends of dove harvest statistics, Utah 1951–2008.



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

Statewide trends of dove hunter success, Utah 1951–2008.



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

Dove harvest statistics by region and county, Utah 2008.

Region and county	n	Hunters afield	Hunter-days afield	Doves bagged	Doves / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	163	1829	7133	12235	1.72	12.5	10.2
Cache	107	1201	4607	7355	1.60	8.1	6.1
Davis	33	370	1530	2489	1.63	2.7	2.1
Morgan	7	79	219	575	2.63	0.4	0.5
Rich	7	79	179	164	0.92	0.3	0.1
Summit	10	112	358	564	1.58	0.6	0.5
Weber	83	931	3446	7585	2.20	6.1	6.3
Regional total	410	4601	17472	30967	1.77	30.7	25.8
Central Region							
Juab	93	1043	3152	7362	2.34	5.5	6.1
Salt Lake	19	213	1085	1962	1.81	1.9	1.6
Sanpete	46	516	1400	3053	2.18	2.5	2.5
Tooele	145	1627	5661	12074	2.13	9.9	10.1
Utah	248	2782	9204	21674	2.35	16.2	18.1
Wasatch	17	191	644	1338	2.08	1.1	1.1
Regional total	568	6372	21146	47463	2.24	37.2	39.6
Southern Region							
Beaver	38	426	970	3088	3.18	1.7	2.6
Garfield	4	45	169	47	0.28	0.3	0.0
Iron	45	505	1698	2266	1.33	3.0	1.9
Kane	2	22	50	47	0.94	0.1	0.0
Millard	95	1066	3297	10532	3.19	5.8	8.8
Piute	6	67	169	70	0.41	0.3	0.1
Sevier	56	628	2900	4356	1.50	5.1	3.6
Washington	69	774	3337	10391	3.11	5.9	8.7
Wayne	4	45	109	634	5.82	0.2	0.5
Regional total	319	3578	12699	31431	2.48	22.3	26.2
Northeastern Region							
Daggett	4	45	99	82	0.83	0.2	0.1
Duchesne	22	247	1182	1233	1.04	2.1	1.0
Uintah	36	404	1291	3382	2.62	2.3	2.8
Regional total	62	696	2572	4697	1.83	4.5	3.9
Southeastern Region							
Carbon	21	236	934	1292	1.38	1.6	1.1
Emery	19	213	834	728	0.87	1.5	0.6
Grand	11	123	258	153	0.59	0.5	0.1
San Juan	10	112	248	892	3.60	0.4	0.7
Regional total	61	684	2274	3065	1.35	4.0	2.6
Unknown	28	314	735	2254	3.07	1.3	1.9
Statewide total*	1197	13430	56898	119877	2.11	100.0	100.0

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

\*\*Hunters were allowed to harvest mourning doves, white-winged doves, and Eurasian-collared doves. Harvest numbers include all species.

Statewide dove harvest statistics, Utah 1951–2008.

Year	Total hunters	Total harvest	Hunter-days afield	Doves / hunter-day	Doves / hunter
1951	3007	20448	4455	4.59	6.80
1952	6420	49498	10784	4.59	7.71
1953	9887	75636	17797	4.25	7.65
1954	9901	75941	19724	3.85	7.67
1955	9653	79444	19282	4.12	8.23
1956	10744	95729	20411	4.69	8.91
1957	11298	86769	18620	4.66	7.68
1958	11853	85934	21591	3.98	7.25
1959	12142	110856	24911	4.45	9.13
1960	12440	108477	25766	4.21	8.72
1961	15192	128001	33434	3.83	8.43
1962	14663	144826	34281	4.22	9.88
1963	18258	162769	40490	4.02	8.91
1964	19829	193538	51671	3.75	9.76
1965	18710	164087	48835	3.36	8.77
1966	20594	212696	60608	3.51	10.33
1967	25161	263949	74171	3.56	10.49
1968	25105	207922	70186	2.96	8.28
1969	29131	279311	90965	3.07	9.59
1970	23908	232469	73984	3.14	9.72
1971	26064	226645	81271	2.79	8.70
1972	29341	238354	94046	2.53	8.12
1973	27435	307062	97788	3.14	11.19
1974	34021	306076	112967	2.71	9.00
1975	37378	420308	131312	3.20	11.24
1976	31293	298505	108780	2.74	9.54
1977	26905	267487	83218	3.21	9.94
1978	35985	383696	130173	2.95	10.66
1979	34903	351161	120459	2.92	10.06
1980	32627	343851	97644	3.52	10.54
1981	30060	310068	101728	3.05	10.31
1982	31756	282188	107728	2.62	8.89
1983	28258	272979	100568	2.71	9.66
1984	30573	282307	108793	2.59	9.23
1985	28183	256045	96507	2.65	9.09
1986	26583	226985	87084	2.61	8.54
1987	22553	204030	89378	2.28	9.05

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

\*\*Beginning in 2005, hunters were allowed to harvest mourning doves, white-winged doves, and Eurasian-collared doves. Harvest numbers include all species.

Statewide dove harvest statistics, Utah 1951–2008 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Doves / hunter-day	Doves / hunter
1988	22457	178469	76219	2.34	7.95
1989	21696	190328	76372	2.49	8.77
1990	22700	199007	80076	2.49	8.77
1991	22632	178853	78405	2.28	7.90
1992	18021	161902	68937	2.35	8.98
1993	19725	170834	68143	2.51	8.66
1994	20743	195089	78594	2.48	9.41
1995	20896	186336	80688	2.31	8.92
1996	23180	200167	85613	2.34	8.64
1997	22594	208331	84638	2.46	9.22
1998	18030	160014	67234	2.38	8.87
1999	20926	153487	63796	2.41	7.33
2000	23916	227148	79356	2.86	9.50
2001	13715	86998	53736	1.62	6.34
2002	13619	108051	50644	2.13	7.93
2003	14625	108521	55067	1.97	7.42
2004	13210	104105	46606	2.23	7.88
2005	15849	147903	71138	2.08	9.33
2006	10904	100379	42453	2.36	9.21
2007	10017	83099	37971	2.19	8.30
2008	13430	119877	56898	2.11	8.93
Total (1951–2008)	1204699	11024945	3913994	—	—
Average (1951–2007)	20899	191317	67668	2.83	9.15
% change from previous year	34	44	50	-4	8
% change from average	-36	-37	-16	-25	-2

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

\*\*Beginning in 2005, hunters were allowed to harvest mourning doves, white-winged doves, and Eurasian-collared doves. Harvest numbers include all species.

Dove harvest by species, Utah 2006–2008.

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

# FOREST GROUSE

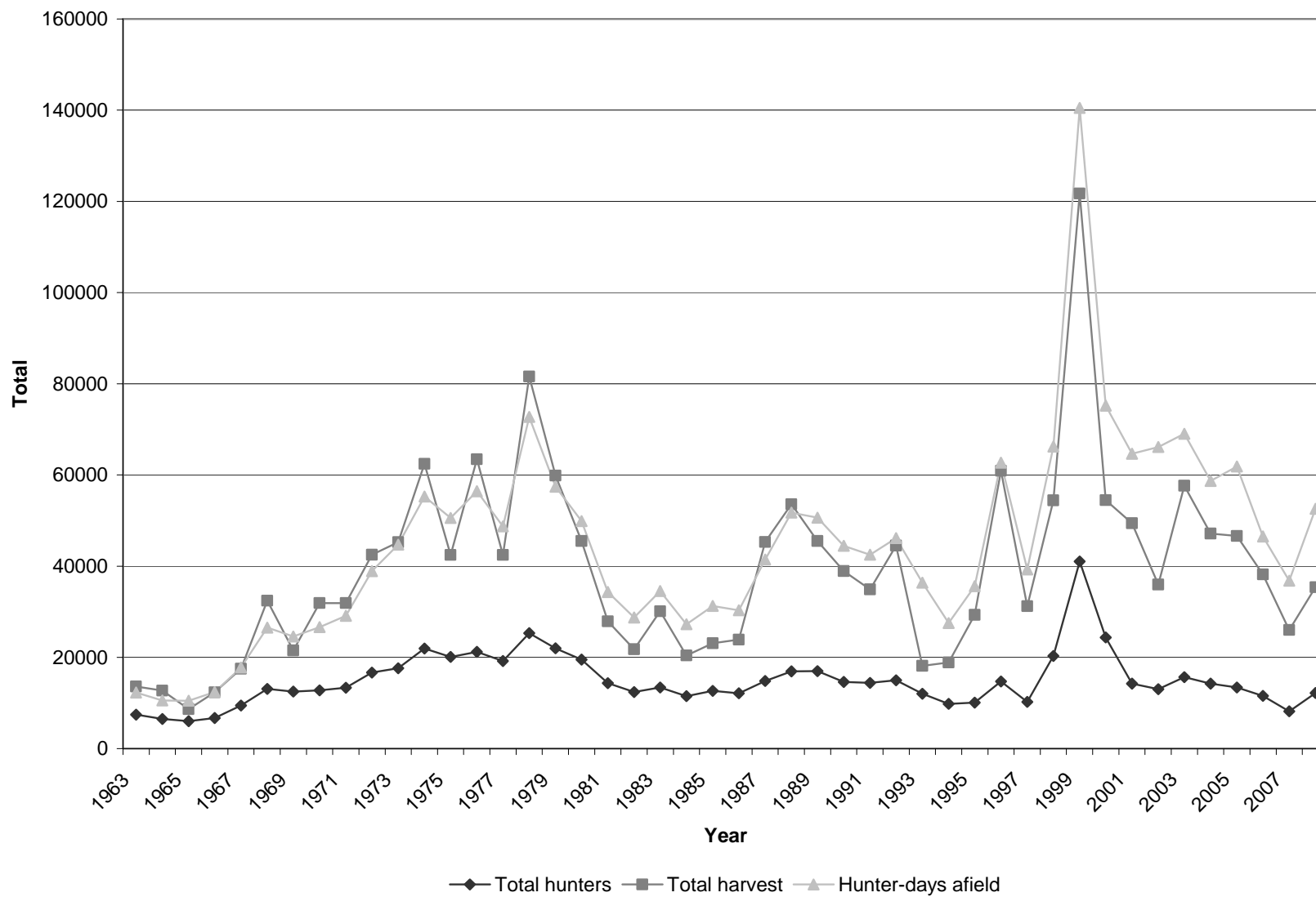
Dusky (Blue) Grouse



Ruffed Grouse

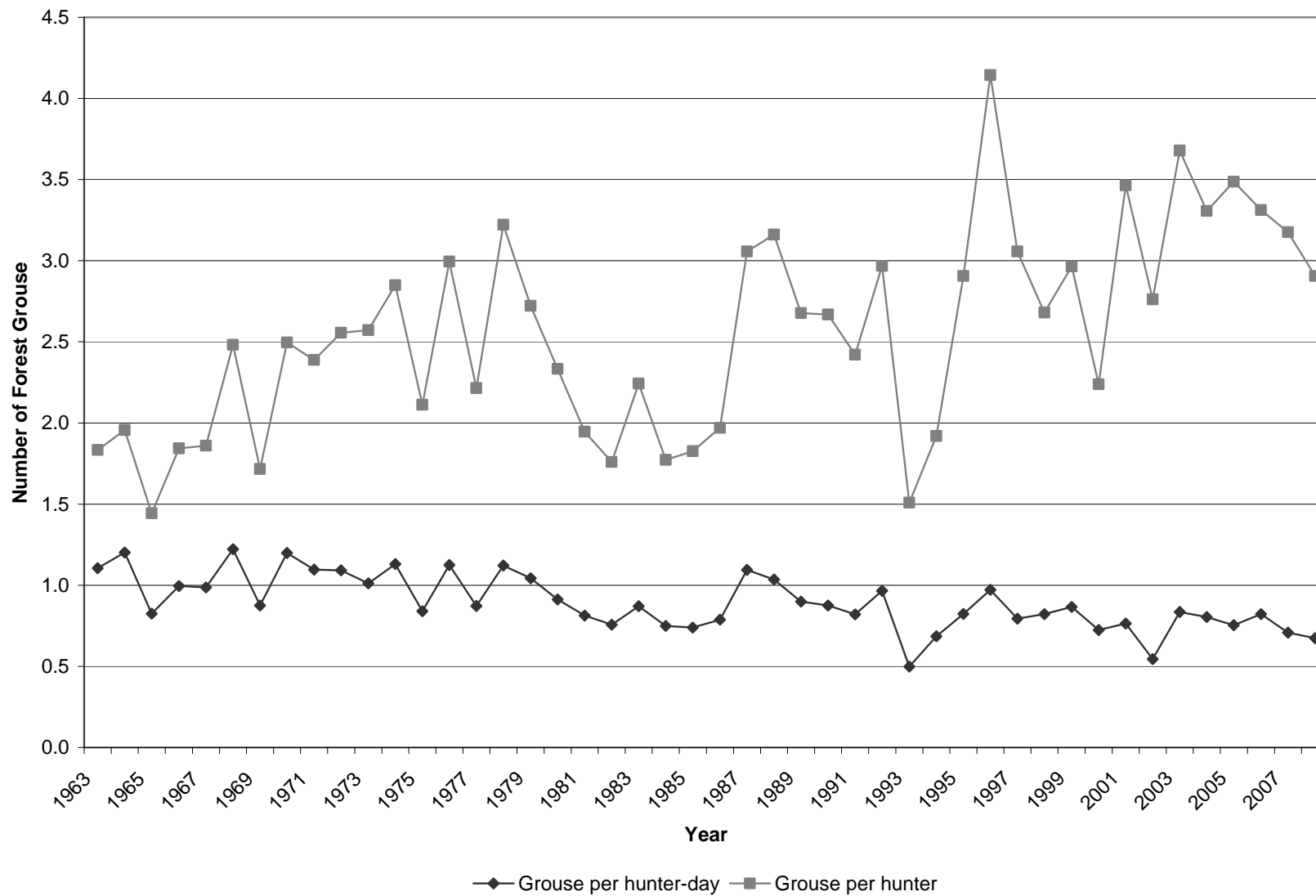


Statewide trends of forest grouse harvest statistics, Utah 1963–2008.





Statewide trends of forest grouse hunter success, Utah 1963–2008.



Forest grouse harvest statistics by region and county, Utah 2008.

Region and county	n	Hunters afield	Hunter-days afield	Grouse bagged	Grouse / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	80	783	2731	1389	0.51	5.2	3.9
Cache	243	2377	9545	7198	0.75	18.2	20.3
Davis	63	616	1764	760	0.43	3.4	2.1
Morgan	37	362	994	1024	1.03	1.9	2.9
Rich	44	430	1057	831	0.79	2.0	2.3
Summit	110	1076	3456	2250	0.65	6.6	6.4
Weber	97	949	3358	2331	0.69	6.4	6.6
Regional total	674	6593	22905	15783	0.69	43.6	44.6
Central Region							
Juab	29	284	779	558	0.72	1.5	1.6
Salt Lake	26	254	663	264	0.40	1.3	0.7
Sanpete	73	714	2400	1622	0.68	4.6	4.6
Tooele	30	293	940	537	0.57	1.8	1.5
Utah	154	1507	5470	4440	0.81	10.4	12.5
Wasatch	117	1145	3857	3730	0.97	7.3	10.5
Regional total	429	4197	14109	11151	0.79	26.8	31.5
Southern Region							
Beaver	30	293	806	436	0.54	1.5	1.2
Garfield	27	264	931	243	0.26	1.8	0.7
Iron	37	362	1334	689	0.52	2.5	1.9
Kane	5	49	170	30	0.18	0.3	0.1
Millard	22	215	394	284	0.72	0.7	0.8
Piute	17	166	537	182	0.34	1.0	0.5
Sevier	83	812	3035	2007	0.66	5.8	5.7
Washington	5	49	87	20	0.23	0.2	0.1
Wayne	15	147	331	112	0.34	0.6	0.3
Regional total	241	2357	7625	4003	0.52	14.5	11.3
Northeastern Region							
Daggett	21	205	528	547	1.04	1.0	1.5
Duchesne	65	636	1964	1186	0.60	3.7	3.3
Uintah	47	460	1271	720	0.57	2.4	2.0
Regional total	133	1301	3763	2453	0.65	7.2	6.9
Southeastern Region							
Carbon	26	254	842	304	0.36	1.6	0.9
Emery	19	186	689	172	0.25	1.3	0.5
Grand	18	176	591	355	0.60	1.1	1.0
San Juan	15	147	555	213	0.38	1.1	0.6
Regional total	78	763	2677	1044	0.39	5.1	2.9
Unknown	49	479	1497	973	0.65	2.8	2.7
Statewide total*	1246	12189	52577	35408	0.67	100.0	100.0

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

Statewide forest grouse harvest statistics, Utah 1963–2008.

Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1963	7425	13608	12313	1.11	1.83
1964	6487	12691	10566	1.20	1.96
1965	6005	8669	10504	0.83	1.44
1966	6683	12321	12387	0.99	1.84
1967	9420	17526	17773	0.99	1.86
1968	13061	32414	26537	1.22	2.48
1969	12523	21498	24572	0.87	1.72
1970	12775	31898	26619	1.20	2.50
1971	13363	31901	29100	1.10	2.39
1972	16640	42518	38940	1.09	2.56
1973	17588	45232	44738	1.01	2.57
1974	21920	62439	55258	1.13	2.85
1975	20102	42461	50579	0.84	2.11
1976	21186	63436	56422	1.12	2.99
1977	19188	42477	48746	0.87	2.21
1978	25318	81558	72732	1.12	3.22
1979	21993	59851	57404	1.04	2.61
1980	19511	45522	49899	0.91	2.33
1981	14329	27894	34305	0.81	1.95
1982	12384	21778	28767	0.76	1.76
1983	13414	30088	34530	0.87	2.24
1984	11511	20396	27244	0.75	1.77
1985	12646	23097	31290	0.74	1.83
1986	12117	23869	30312	0.79	1.97
1987	14831	45326	41428	1.09	3.06
1988	16947	53562	51726	1.04	3.16
1989	16987	45487	50631	0.90	2.68
1990	14591	38922	44452	0.83	2.53
1991	14421	34897	42517	0.82	2.42
1992	15000	44518	46136	0.96	2.97
1993	12029	18147	36390	0.50	1.51
1994	9827	18862	27510	0.68	1.92
1995	10088	29312	35591	0.82	2.91
1996	14702	60922	62711	0.97	4.14
1997	10206	31198	39304	0.79	3.06
1998	20310	54439	66256	0.82	2.68
1999	41041	121708	140478	0.87	2.97
2000	24338	54456	75199	0.72	2.24

Statewide forest grouse harvest statistics, Utah 1963–2008 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
2001	14260	49412	64632	0.76	3.47
2002	13020	35949	66118	0.54	2.76
2003	15669	57633	69032	0.83	3.68
2004	14259	47130	58672	0.80	3.31
2005	13371	46631	61866	0.75	3.49
2006	11532	38201	46504	0.82	3.31
2007	8193	26012	36799	0.71	3.17
2008	12189	35408	52577	0.67	2.90
Total (1963–2008)	685398	1803274	2048066	—	—
Average (1963–2007)	14960	39286	44344	0.89	2.63
% change from previous year	49	36	43	-5	-9
% change from average	-19	-10	19	-24	11

Forest grouse harvest by species, Utah 1963–2008.

Year	Ruffed grouse		Dusky (Blue) 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 1963–2008.

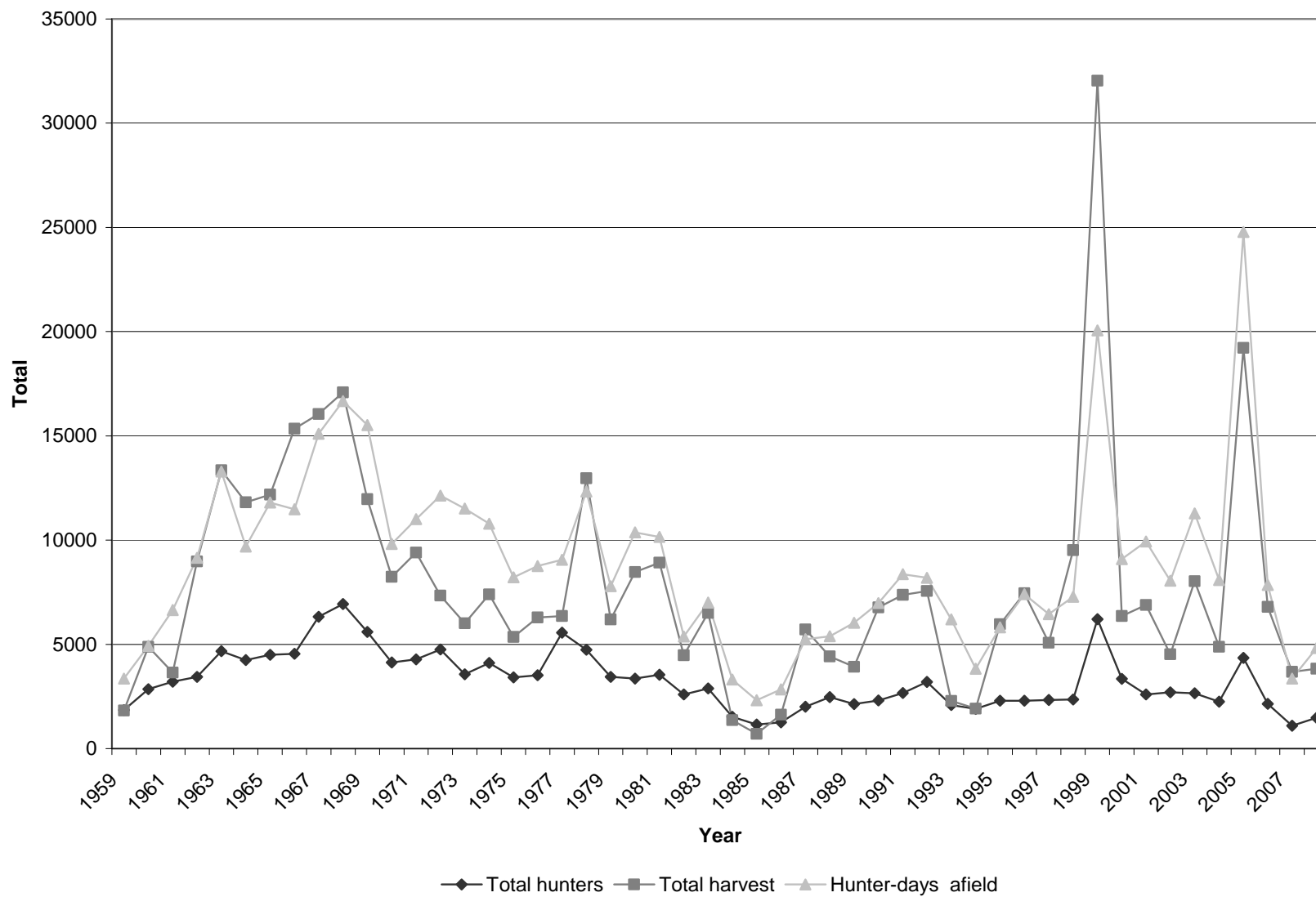
Year	Ruffed grouse		Dusky (Blue) grouse		Unknown grouse		Total harvest
	Harvest	%	Harvest	%	Harvest	%	
2001	24257	49.1	23905	48.4	1250	2.5	49412
2002	16253	45.2	17151	47.7	2543	7.1	35947
2003	26716	46.4	30071	52.2	846	1.5	57633
2004	22400	47.5	23923	50.8	806	1.7	47129
2005	17068	36.6	25367	54.4	4196	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
Total (1963–2008)	698570	—	936311	—	168390	—	1803271
Average (1963–2007)	15184	38.4	20411	51.6	3691	9.3	39588
% change from previous year	27	9	48	-12	18	97	36
% change from average	1	13	-13	-3	-38	-30	-11

# HUNGARIAN PARTRIDGE



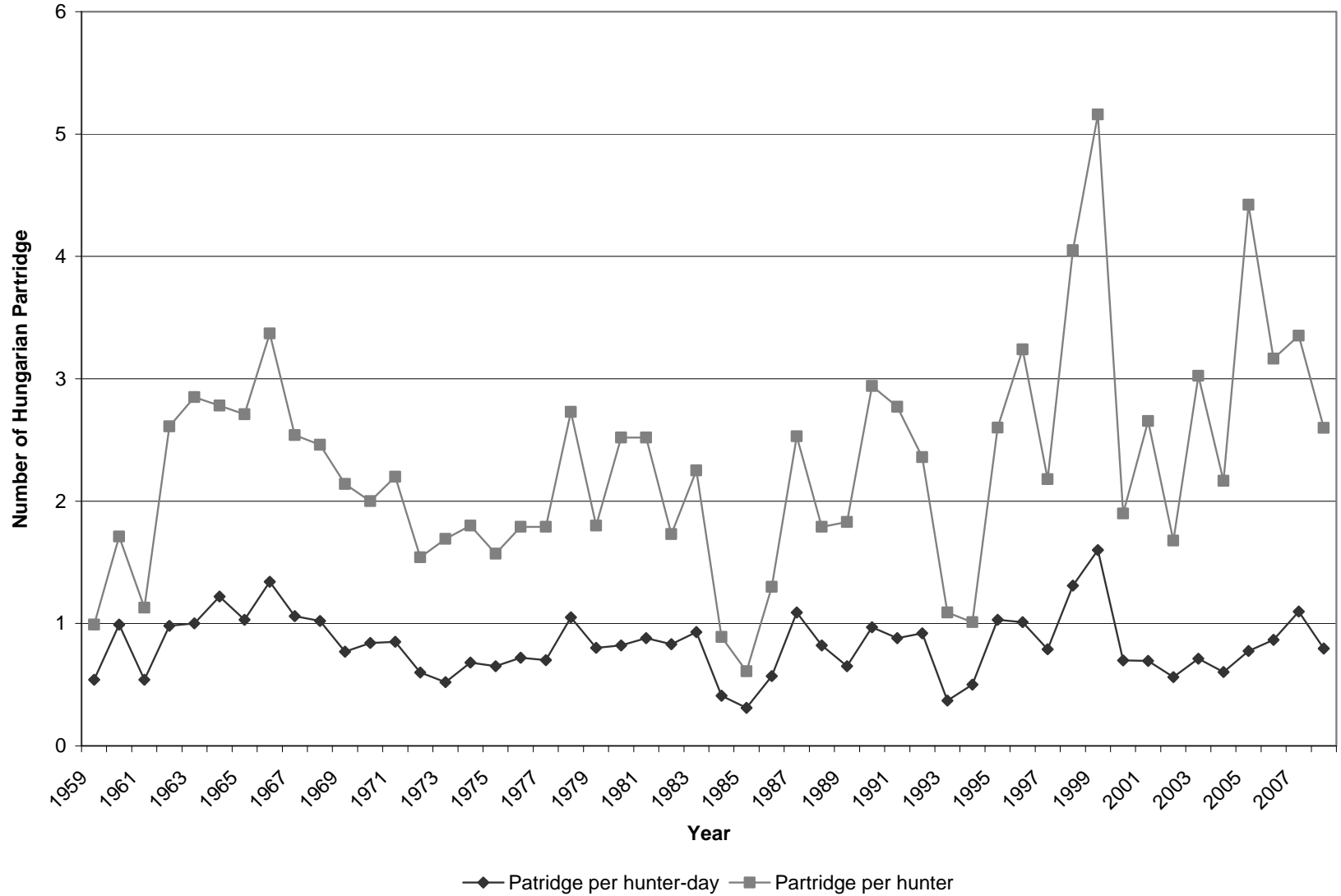
CLARK BRONSON

Statewide trends of Hungarian partridge harvest statistics, Utah 1959–2008.





Statewide trends of Hungarian partridge hunter success, Utah 1959–2008.



## Hungarian partridge harvest statistics by region and county, Utah 2008.

Region and county	n	Hunters afield	Hunter-days afield	Partridges bagged	Partridges / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	83	805	2506	2228	0.89	51.9	58.1
Cache	52	505	1792	1106	0.62	37.1	28.9
Davis	2	19	68	30	0.44	1.4	0.8
Morgan	2	19	59	45	0.76	1.2	1.2
Rich	2	19	17	15	0.88	0.4	0.4
Summit	2	19	93	30	0.32	1.9	0.8
Weber	3	29	51	136	2.67	1.1	3.6
Regional total	146	1415	4586	3590	0.78	95.1	93.7
Central Region							
Juab	0	—	—	—	—	—	—
Salt Lake	0	—	—	—	—	—	—
Sanpete	0	—	—	—	—	—	—
Tooele	5	49	102	61	0.60	2.1	1.6
Utah	1	10	8	15	1.88	0.2	0.4
Wasatch	1	10	25	0	0.00	0.5	0.0
Regional total	7	69	135	76	0.56	2.8	2.0
Southern Region							
Beaver	5	49	68	152	2.24	1.4	4.0
Garfield	0	—	—	—	—	—	—
Iron	0	—	—	—	—	—	—
Kane	0	—	—	—	—	—	—
Millard	0	—	—	—	—	—	—
Piute	0	—	—	—	—	—	—
Sevier	0	—	—	—	—	—	—
Washington	1	10	17	0	0.00	0.4	0.0
Wayne	0	—	—	—	—	—	—
Regional total	6	59	85	152	1.79	1.8	4.0
Northeastern Region							
Daggett	0	—	—	—	—	—	—
Duchesne	0	—	—	—	—	—	—
Uintah	0	—	—	—	—	—	—
Regional total	0	—	—	—	—	—	—
Southeastern Region							
Carbon	0	—	—	—	—	—	—
Emery	0	—	—	—	—	—	—
Grand	0	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—
Regional total	0	—	—	—	—	—	—
Unknown	2	19	17	15	0.88	0.4	0.4
Statewide total*	152	1475	4825	3834	0.79	100.0	100.0

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

Statewide Hungarian partridge harvest statistics, Utah 1955–2008.

Year	Total hunters	Total harvest	Hunter-days afield	Partridges / hunter-day	Partridges / hunter
1955	—	—	—	—	0.39
1956	—	—	—	—	0.89
1957	—	—	—	—	0.45
1958	—	—	—	—	1.34
1959	1846	1820	3354	0.54	0.99
1960	2847	4877	4929	0.99	1.71
1961	3205	3648	6645	0.54	1.13
1962	3440	8970	9153	0.98	2.61
1963	4676	13343	13291	1.00	2.85
1964	4249	11812	9688	1.22	2.78
1965	4498	12183	11798	1.03	2.71
1966	4549	15348	11473	1.34	3.37
1967	6321	16049	15105	1.06	2.54
1968	6935	17089	16674	1.02	2.46
1969	5591	11966	15515	0.77	2.14
1970	4128	8236	9818	0.84	2.00
1971	4276	9407	11011	0.85	2.20
1972	4754	7335	12135	0.60	1.54
1973	3566	6014	11516	0.52	1.69
1974	4103	7389	10789	0.68	1.80
1975	3409	5358	8216	0.65	1.57
1976	3517	6287	8753	0.72	1.79
1977	5557	6360	9058	0.70	1.79
1978	4743	12969	12328	1.05	2.73
1979	3435	6200	7787	0.80	1.80
1980	3359	8466	10366	0.82	2.52
1981	3545	8916	10147	0.88	2.52
1982	2590	4475	5379	0.83	1.73
1983	2889	6506	6998	0.93	2.25
1984	1523	1360	3309	0.41	0.89
1985	1157	707	2314	0.31	0.61
1986	1257	1627	2843	0.57	1.30
1987	2010	5711	5246	1.09	2.53
1988	2471	4424	5392	0.82	1.79
1989	2136	3920	6035	0.65	1.83
1990	2305	6770	6976	0.97	2.94

Statewide Hungarian partridge harvest statistics, Utah 1955–2008 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Partridges / hunter-day	Partridges / hunter
1991	2662	7376	8367	0.88	2.77
1992	3198	7553	8192	0.92	2.36
1993	2090	2280	6194	0.37	1.09
1994	1899	1916	3832	0.50	1.01
1995	2294	5967	5812	1.03	2.60
1996	2299	7455	7409	1.01	3.24
1997	2328	5071	6443	0.79	2.18
1998	2350	9515	7281	1.31	4.05
1999	6211	32036	20063	1.60	5.16
2000	3349	6355	9096	0.70	1.90
2001	2596	6889	9933	0.69	2.65
2002	2694	4520	8052	0.56	1.68
2003	2656	8030	11283	0.71	3.02
2004	2253	4877	8087	0.60	2.16
2005	4345	19214	24783	0.78	4.42
2006	2148	6798	7850	0.87	3.16
2007	1099	3683	3358	1.10	3.35
2008	1475	3834	4825	0.79	2.60
Totals (1955–2008)	162833	388911	444901	—	—
Average (1955–2007)	3293	7859	8981	0.88	2.39
% change from previous year	34	4	44	-28	-22
% change from average	-55	-51	-46	-9	9

# QUAIL

California Quail



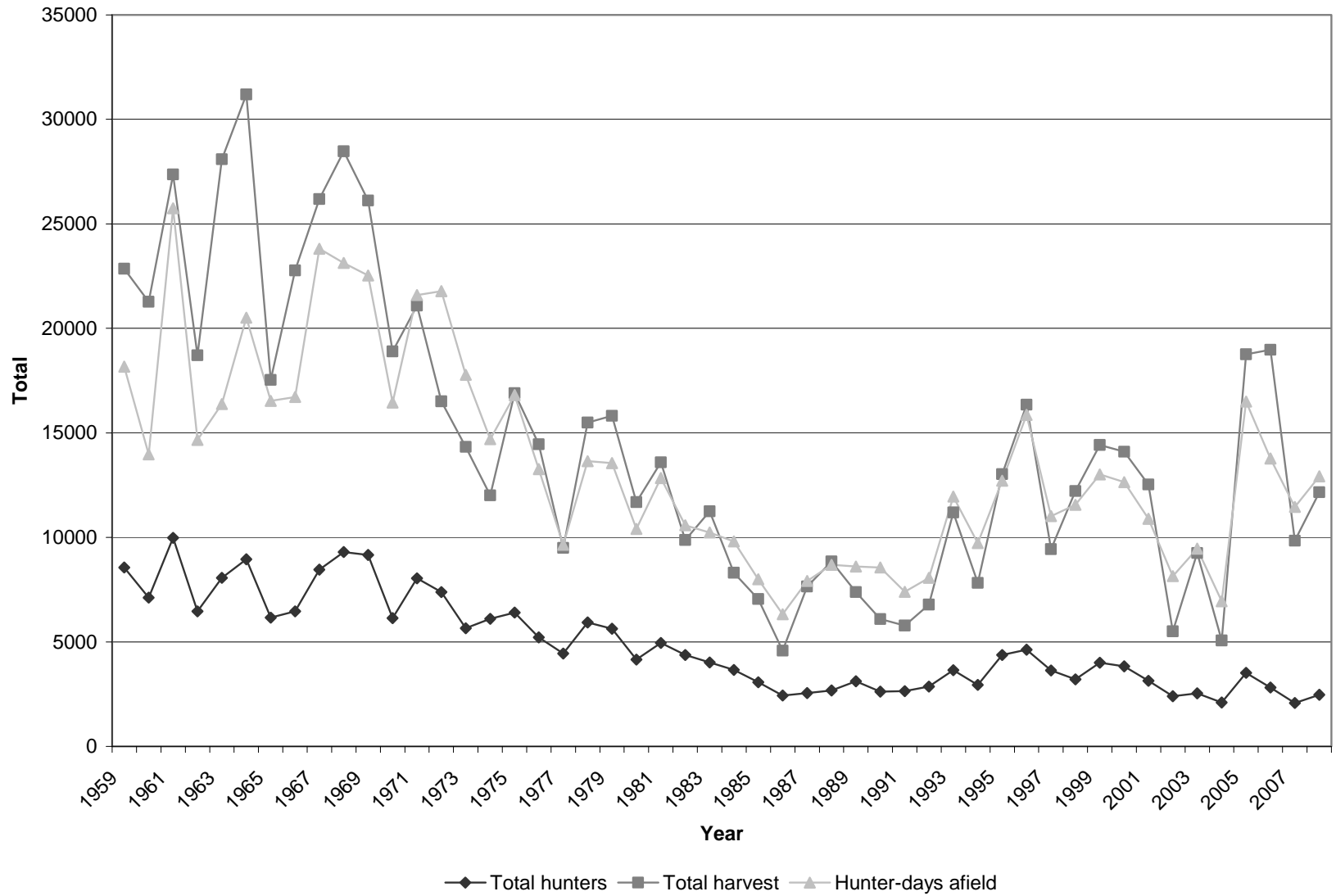
Gambel's Quail



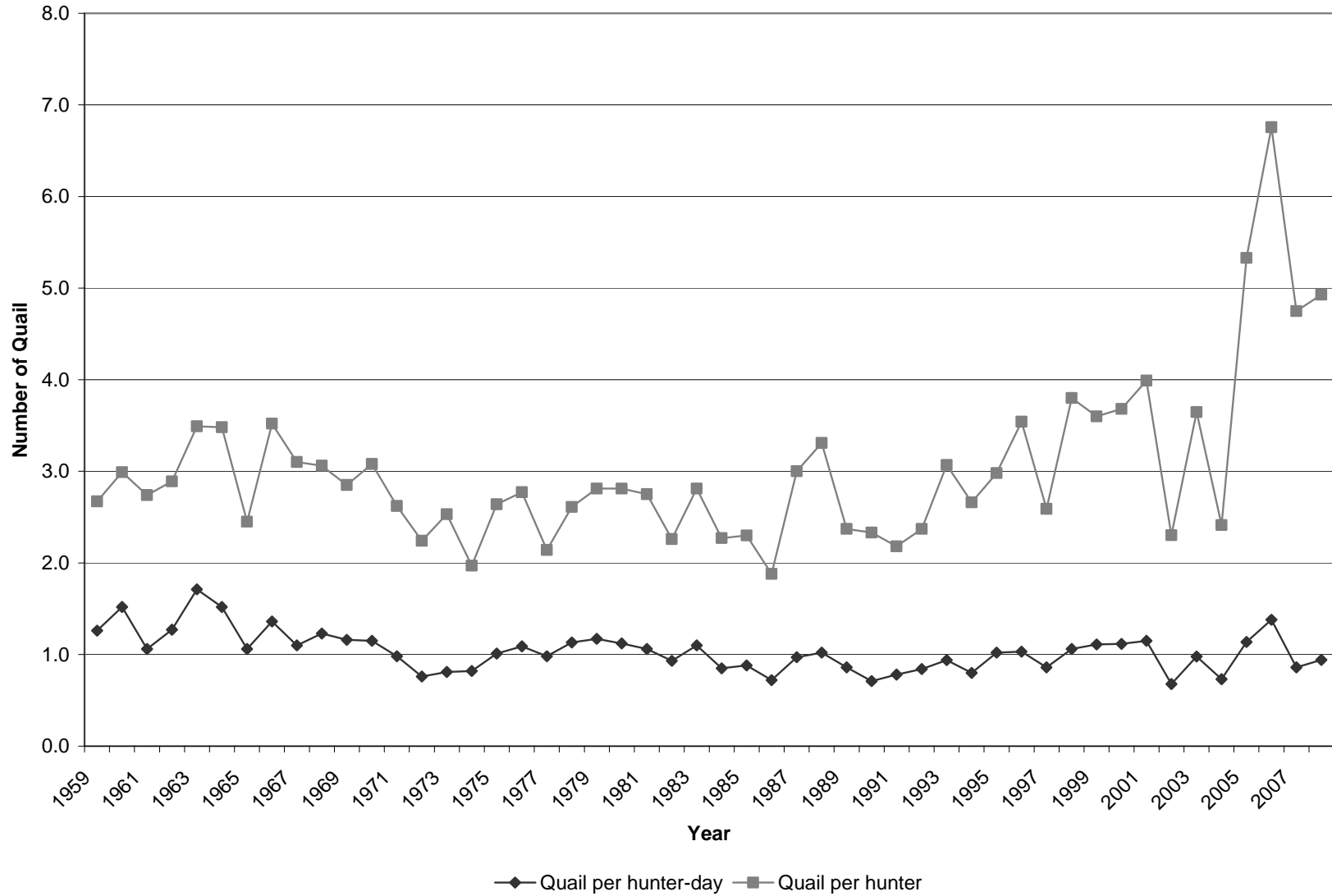
Gambel's quail waterhole trend counts, west slope of Beaver Dam Mountains, Washington County, Utah 1980–2008.

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
Average (1980–2007)	181	64	250	312
% change from previous year	—	119	656	—
% change from average	-52	-45	-52	-21

Statewide trends of quail harvest statistics, Utah 1959–2008.



Statewide trends of quail hunter success, Utah 1959–2008.





Quail harvest statistics by region and county, Utah 2008.

Region and county	n	Hunters afield	Hunter-days afield	Quail bagged	Quail / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	6	69	191	46	0.24	1.5	0.4
Cache	0	—	—	—	—	—	—
Davis	2	23	177	77	0.44	1.4	0.6
Morgan	0	—	—	—	—	—	—
Rich	0	—	—	—	—	—	—
Summit	0	—	—	—	—	—	—
Weber	13	149	518	495	0.96	4.0	4.1
Regional total	21	241	886	618	0.70	6.9	5.1
Central Region							
Juab	0	—	—	—	—	—	—
Salt Lake	5	57	150	108	0.72	1.2	0.9
Sanpete	4	46	218	433	1.99	1.7	3.6
Tooele	5	57	314	0	0.00	2.4	0.0
Utah	17	195	737	604	0.82	5.7	5.0
Wasatch	1	11	14	0	0.00	0.1	0.0
Regional total	32	366	1433	1145	0.80	11.1	9.4
Southern Region							
Beaver	3	34	55	124	2.25	0.4	1.0
Garfield	0	—	—	—	—	—	—
Iron	0	—	—	—	—	—	—
Kane	0	—	—	—	—	—	—
Millard	3	34	68	15	0.22	0.5	0.1
Piute	0	—	—	—	—	—	—
Sevier	3	34	791	46	0.06	6.1	0.4
Washington	70	804	4707	5509	1.17	36.4	45.3
Wayne	0	—	—	—	—	—	—
Regional total	79	906	5621	5694	1.01	43.5	46.8
Northeastern Region							
Daggett	0	—	—	—	—	—	—
Duchesne	37	425	1856	1548	0.83	14.4	12.7
Uintah	36	413	1896	2430	1.28	14.7	20.0
Regional total	73	838	3752	3978	1.06	29.0	32.7
Southeastern Region							
Carbon	1	11	14	0	0.00	0.1	0.0
Emery	9	103	914	201	0.22	7.1	1.7
Grand	0	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—
Regional total	10	114	928	201	0.22	7.2	1.7
Unknown	5	57	300	526	1.75	2.3	4.3
Statewide total*	215	2468	12920	12164	0.94	100.0	100.0

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

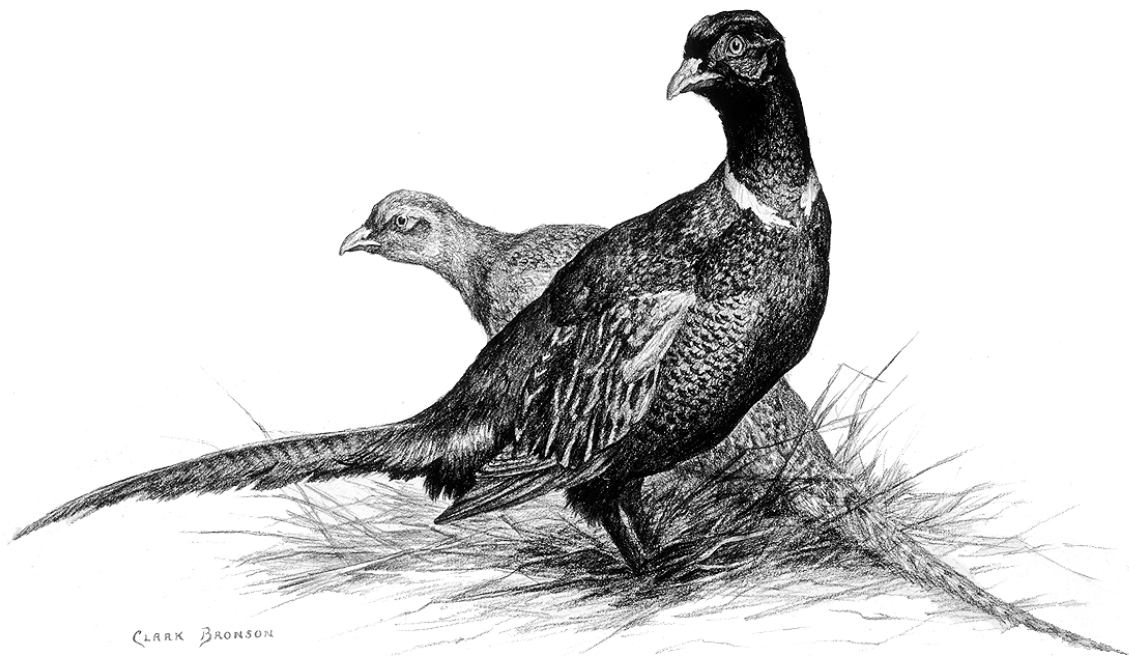
Statewide quail harvest statistics, Utah 1951–2008.

Year	Total hunters	Total harvest	Hunter-days afield	Quail / hunter-day	Quail / hunter
1951	3856	6362	7069	0.90	1.65
1952	2694	6105	5500	1.11	2.27
1953	2676	5753	4494	1.28	2.15
1954	3855	7479	8696	0.86	1.94
1955	—	—	—	0.17	2.10
1956	—	—	—	—	2.26
1957	—	—	—	—	1.85
1958	—	—	—	—	3.73
1959	8554	22854	18174	1.26	2.67
1960	7117	21272	13971	1.52	2.99
1961	9980	27362	25746	1.06	2.74
1962	6462	18710	14660	1.27	2.89
1963	8059	28088	16383	1.71	3.49
1964	8951	31189	20510	1.52	3.48
1965	6163	17532	16528	1.06	2.45
1966	6465	22771	16720	1.36	3.52
1967	8455	26187	23806	1.10	3.10
1968	9302	28469	23132	1.23	3.06
1969	9160	26119	22529	1.16	2.85
1970	6141	18896	16452	1.15	3.08
1971	8039	21082	21595	0.98	2.62
1972	7380	16504	21779	0.76	2.24
1973	5654	14324	17777	0.81	2.53
1974	6097	12005	14702	0.82	1.97
1975	6397	16903	16805	1.01	2.64
1976	5215	14454	13261	1.09	2.77
1977	4446	9496	9646	0.98	2.14
1978	5924	15491	13649	1.13	2.61
1979	5632	15821	13550	1.17	2.81
1980	4156	11690	10400	1.12	2.81
1981	4946	13586	12843	1.06	2.75
1982	4368	9870	10575	0.93	2.26
1983	4012	11248	10232	1.10	2.81
1984	3654	8303	9805	0.85	2.27
1985	3065	7051	7994	0.88	2.30
1986	2432	4574	6326	0.72	1.88
1987	2549	7648	7918	0.97	3.00
1988	2671	8849	8682	1.02	3.31
1989	3111	7384	8607	0.86	2.37
1990	2614	6091	8561	0.71	2.33

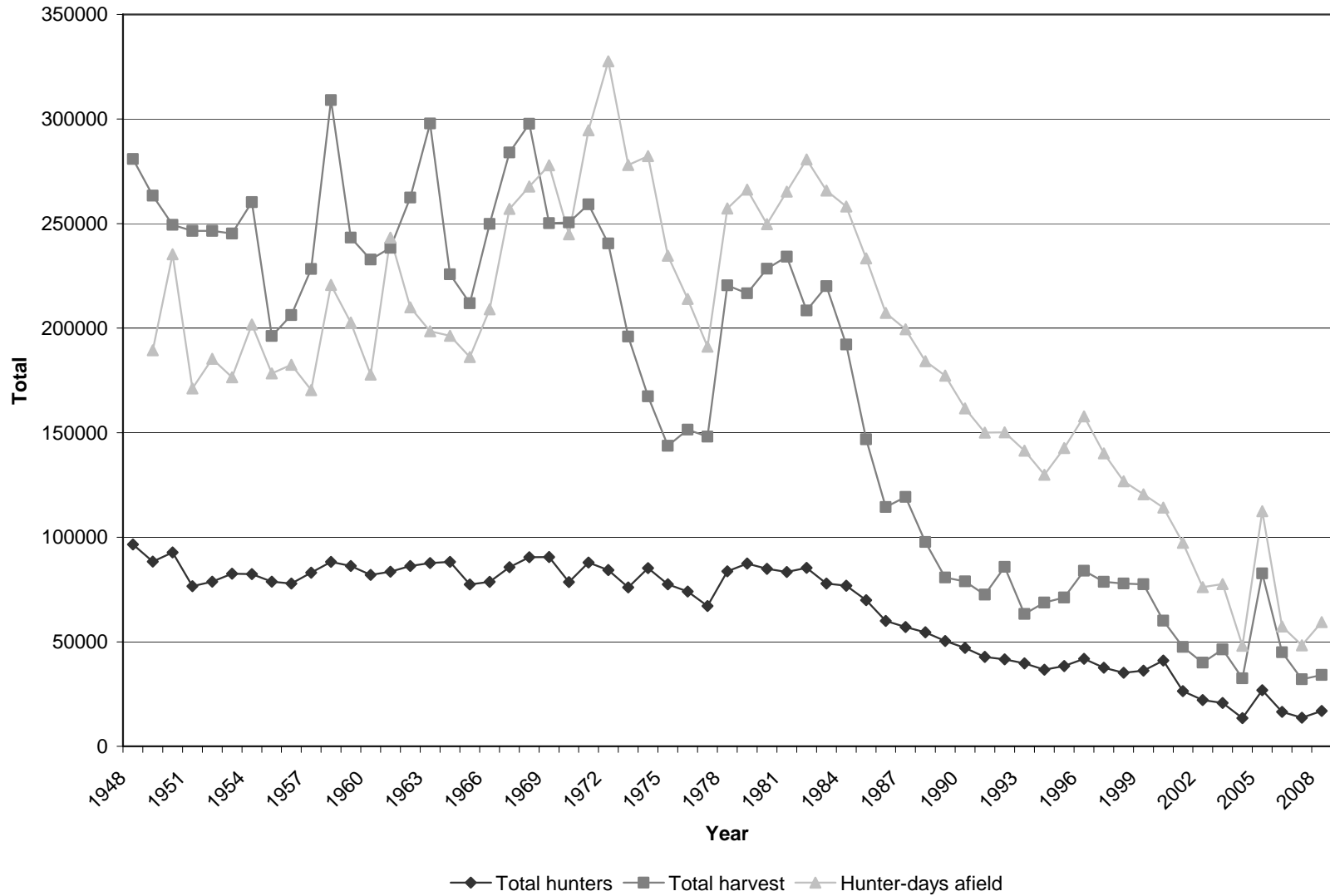
Statewide quail harvest statistics, Utah 1951–2008 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Quail / hunter-day	Quail / hunter
1991	2644	5775	7393	0.78	2.18
1992	2861	6788	8068	0.84	2.37
1993	3649	11192	11952	0.94	3.07
1994	2936	7822	9721	0.80	2.66
1995	4374	13023	12712	1.02	2.98
1996	4622	16351	15862	1.03	3.54
1997	3637	9436	11016	0.86	2.59
1998	3211	12213	11562	1.06	3.80
1999	4002	14422	13007	1.11	3.60
2000	3828	14093	12638	1.12	3.68
2001	3140	12528	10894	1.15	3.99
2002	2394	5508	8142	0.68	2.30
2003	2537	9254	9463	0.98	3.65
2004	2099	5064	6944	0.73	2.41
2005	3519	18756	16492	1.14	5.33
2006	2809	18979	13771	1.38	6.76
2007	2073	9844	11453	0.86	4.75
2008	2468	12164	12920	0.94	4.93
Total (1951–2008)	257055	750734	703087	—	—
Average (1951–2007)	4804	13935	13022	1.07	2.90
% change from previous year	19	24	13	10	4
% change from average	-49	-13	-1	-12	70

# RING-NECKED PHEASANT



Statewide trends of ring-necked pheasant harvest statistics, Utah 1948–2008.



\*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 1948–2008.



\*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 2008.

Region and county	n	Hunters afield	Hunter-days afield	Pheasants bagged	Pheasants / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	285	2901	9232	5403	0.59	15.5	15.8
Cache	349	3552	12825	9469	0.74	21.6	27.7
Davis	87	885	2609	1364	0.52	4.4	4.0
Morgan	1	10	10	11	1.10	0.0	0.0
Rich	0	—	—	—	—	—	—
Summit	3	31	40	74	1.85	0.1	0.2
Weber	140	1425	4043	1914	0.47	6.8	5.6
Regional total	865	8804	28759	18235	0.63	48.4	53.3
Central Region							
Juab	60	611	1743	708	0.41	2.9	2.1
Salt Lake	26	265	837	476	0.57	1.4	1.4
Sanpete	76	774	2629	1290	0.49	4.4	3.8
Tooele	83	845	2569	1121	0.44	4.3	3.3
Utah	329	3349	8540	4549	0.53	14.4	13.3
Wasatch	4	41	80	32	0.40	0.1	0.1
Regional total	578	5885	16398	8176	0.50	27.6	23.9
Southern Region							
Beaver	18	183	438	423	0.97	0.7	1.2
Garfield	2	20	40	21	0.53	0.1	0.1
Iron	6	61	159	85	0.53	0.3	0.2
Kane	0	—	—	—	—	—	—
Millard	65	662	1524	1015	0.67	2.6	3.0
Piute	3	31	90	0	0.00	0.2	0.0
Sevier	71	723	2619	983	0.38	4.4	2.9
Washington	15	153	518	159	0.31	0.9	0.5
Wayne	2	20	50	0	0.00	0.1	0.0
Regional total	182	1853	5438	2686	0.49	9.1	7.9
Northeastern Region							
Daggett	1	10	10	0	0.00	0.0	0.0
Duchesne	73	743	2281	1438	0.63	3.8	4.2
Uintah	63	641	1872	1195	0.64	3.1	3.5
Regional total	137	1394	4163	2633	0.63	7.0	7.7
Southeastern Region							
Carbon	24	244	1016	243	0.24	1.7	0.7
Emery	52	529	2231	1308	0.59	3.8	3.8
Grand	5	51	139	53	0.38	0.2	0.2
San Juan	6	61	110	32	0.29	0.2	0.1
Regional total	87	885	3496	1636	0.47	5.9	4.8
Unknown	35	356	1195	825	0.69	2.0	2.4
Statewide total*	1664	16936	59449	34189	0.58	100.0	100.0

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

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

Statewide ring-necked pheasant harvest statistics, Utah 1948–2008.

Year	Total hunters	Total harvest	Hunter-days afield	Pheasants / hunter-day	Pheasants / hunter
1948	96534	280914	—	—	2.91
1949	88369	263340	189453	1.39	2.98
1950	92724	249428	235309	1.06	2.69
1951	76576	246575	171233	1.44	3.22
1952	78773	246559	185383	1.33	3.13
1953	82595	245307	176480	1.39	2.97
1954	82370	260289	201774	1.29	3.16
1955	78793	196195	178359	1.10	2.49
1956	77826	206239	182512	1.13	2.65
1957	83025	228319	170387	1.34	2.75
1958	88290	309015	220725	1.40	3.50
1959	86268	243276	202730	1.20	2.82
1960	81976	232812	177719	1.31	2.84
1961	83493	238439	243305	0.98	2.86
1962	86336	262448	209921	1.25	3.04
1963	87647	297873	198582	1.50	3.40
1964	88242	225775	196314	1.15	2.56
1965	77409	211876	186215	1.14	2.74
1966	78721	249814	209082	1.19	3.17
1967	85664	284000	257033	1.10	3.32
1968	90453	297752	267788	1.11	3.29
1969	90573	250241	277887	0.90	2.76
1970	78585	250503	244958	1.02	3.19
1971	87878	259189	294618	0.88	2.95
1972	84311	240573	327669	0.73	2.85
1973	75968	196012	278033	0.70	2.58
1974	85252	167408	282294	0.59	1.96
1975	77566	143783	234615	0.61	1.85
1976	74029	151476	214023	0.71	2.05
1977	67195	148168	191142	0.78	2.21
1978	83800	220398	257305	0.86	2.63
1979	87462	216700	266245	0.81	2.48
1980	84868	228442	249770	0.91	2.69
1981	83408	234217	265381	0.88	2.81
1982	85368	208437	280624	0.74	2.44
1983	77847	220074	265731	0.83	2.83
1984	76840	192190	258169	0.74	2.50
1985	69889	146807	233328	0.63	2.10



Statewide ring-necked pheasant harvest statistics, Utah 1948–2008 (cont.).

Year	Total hunters	Total harvest	Hunter-days afield	Pheasants / hunter-day	Pheasants / hunter
1986	59987	114389	207346	0.55	1.91
1987	57118	119236	199470	0.60	2.09
1988	54514	97658	184180	0.53	1.79
1989	50382	80769	177364	0.46	1.60
1990	47025	78944	161634	0.49	1.68
1991	42813	72612	150096	0.48	1.70
1992	41640	85803	150244	0.57	2.06
1993	39640	63336	141399	0.45	1.60
1994	36705	68698	129872	0.53	1.87
1995	38391	71202	142755	0.50	1.85
1996	41854	83987	157755	0.53	2.01
1997	37622	78693	140135	0.56	2.09
1998	35130	77889	126792	0.61	2.22
1999	36211	77545	120502	0.64	2.14
2000	41074	60108	114226	0.53	1.46
2001	26468	47521	97413	0.49	1.80
2002	22149	40048	76178	0.53	1.81
2003	20773	46382	77603	0.60	2.23
2004	13457	32532	48147	0.68	2.42
2005	26864	82671	112532	0.73	3.08
2006	16521	44971	57371	0.78	2.72
2007	13764	32121	48285	0.67	2.33
2008	16936	34189	59449	0.58	2.02
Total (1948–2008)	3959961	10342167	11362844	—	—
Average (1948–2007)	65717	171800	191583	0.90	2.61
% change from previous year	23	6	23	-14	-13
% change from average	-74	-80	-69	-36	-23

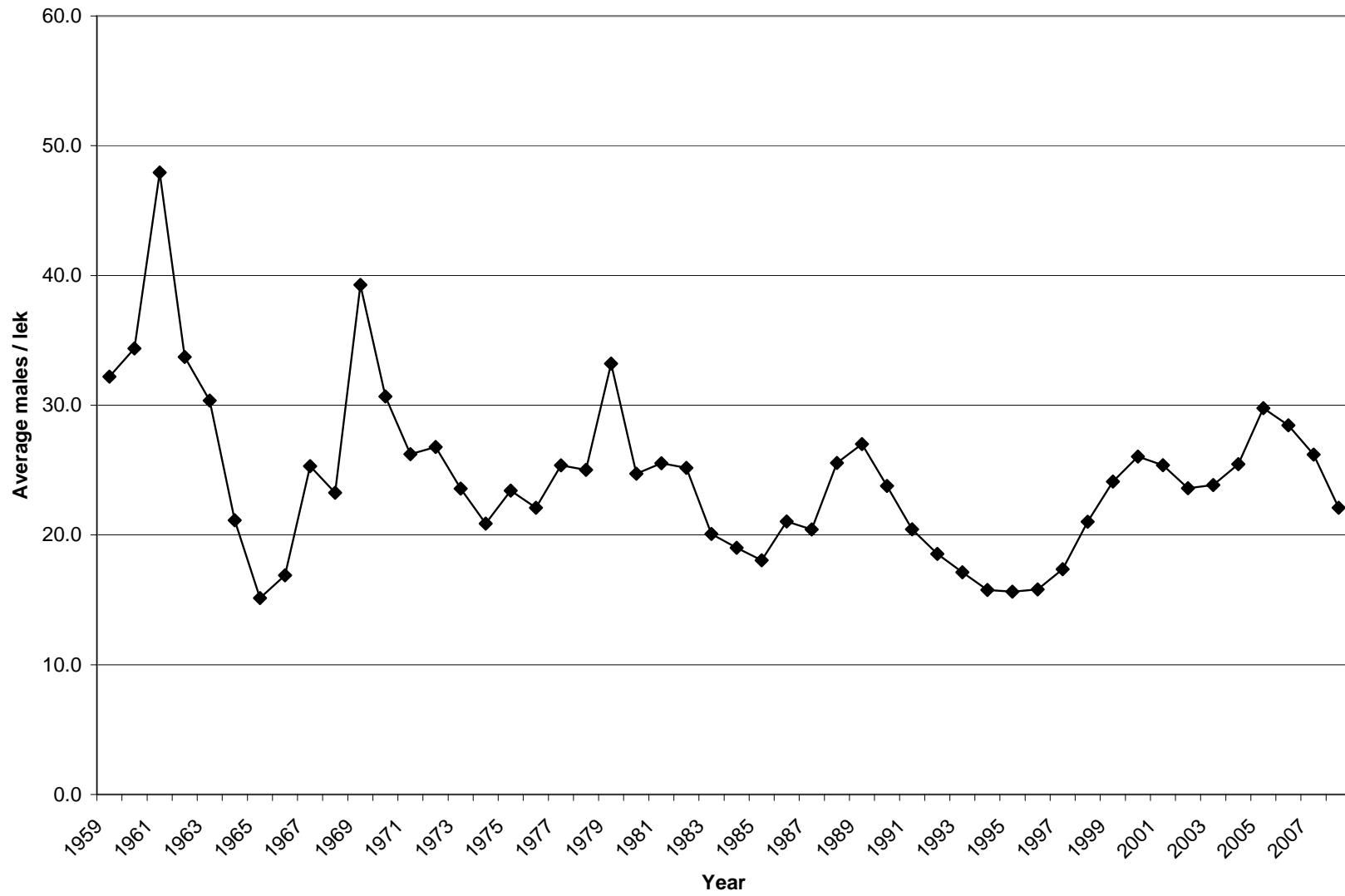
\*Starting in 2001, harvest data are likely biased high due to hunters reporting harvest from commercial hunting areas.

# SAGE-GROUSE



CARR BRANFORD

Statewide trends of average sage-grouse males per lek, Utah 1959–2008.



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

Sage-grouse strutting ground counts by county for the Northern Region, Utah 1999–2008.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Average (1999–2007)
<b>East Box Elder</b>											
Number of strutting grounds counted	1	2	1	2	1	2	2	2	3	3	2
Total male Grouse counted	12	13	3	—	4	12	7	—	10	—	9
Average males / lek	12.0	6.5	3.0	—	4.0	6.0	7.0	—	10.0	—	6.9
<b>West Box Elder</b>											
Number of strutting grounds counted	40	37	45	76	71	69	60	57	57	60	57
Total male Grouse counted	674	777	749	1222	1742	1961	1659	1062	905	701	1195
Average males / lek	21.7	22.9	18.7	22.2	31.1	33.2	33.2	24.7	22.1	15.9	25.5
<b>Cache</b>											
Number of strutting grounds counted	4	3	3	4	4	3	1	2	3	3	3
Total male Grouse counted	23	21	29	20	18	14	9	47	53	47	26
Average males / lek	23.0	21.0	14.5	10.0	18.0	14.0	9.0	23.5	17.7	23.5	16.7
<b>Morgan</b>											
Number of strutting grounds counted	1	3	2	7	3	3	5	4	4	5	4
Total male Grouse counted	81	84	39	39	62	92	109	67	66	63	71
Average males / lek	81.0	28.0	39.0	19.5	31.0	46.0	27.3	33.5	33.0	21.0	37.6
<b>Rich</b>											
Number of strutting grounds counted	30	31	32	38	41	40	36	35	19	27	34
Total male Grouse counted	551	894	823	743	824	937	1344	1195	605	609	880
Average males / lek	34.4	40.6	35.8	28.6	25.8	29.3	43.4	39.8	40.3	43.5	35.3
<b>Summit</b>											
Number of strutting grounds counted	—	5	1	9	3	6	6	2	18	4	6
Total male Grouse counted	—	1	—	16	24	27	23	17	710	55	117
Average males / lek	—	1.0	—	5.3	12.0	13.5	11.5	8.5	39.4	18.3	13.0
<b>Northern Region total</b>											
Number of strutting grounds counted	76	81	84	136	123	123	110	102	104	102	104
Total male Grouse counted	1341	1790	1643	2040	2674	3043	3151	2388	2349	1475	2269
Average males / lek	26.8	28.4	24.5	23.2	28.4	31.1	35.4	30.2	22.6	14.5	27.8

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

Sage-grouse strutting ground counts by county for the Central Region, Utah 1999–2008.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Average (1999–2007)
<b>Juab</b>											
Number of strutting grounds counted	3	3	3	5	4	4	4	2	3	4	3
Total male Grouse counted	13	40	35	99	40	12	53	—	40	48	42
Average males / lek	6.5	20.0	17.5	24.8	10.0	12.0	26.5	—	13.3	12.0	16.3
<b>Sanpete</b>											
Number of strutting grounds counted	—	—	—	—	—	—	—	—	—	—	—
Total male Grouse counted	—	—	—	—	—	—	—	—	—	—	—
Average males / lek	—	—	—	—	—	—	—	—	—	—	—
<b>Tooele</b>											
Number of strutting grounds counted	2	3	3	2	2	3	3	9	8	9	4
Total male Grouse counted	80	103	117	102	63	66	85	267	191	72	119
Average males / lek	40.0	34.3	39.0	51.0	31.5	33.0	42.5	29.7	23.9	12.0	36.1
<b>Utah</b>											
Number of strutting grounds counted	—	—	—	—	—	—	—	—	—	—	—
Total male Grouse counted	—	—	—	—	—	—	—	—	—	—	—
Average males / lek	—	—	—	—	—	—	—	—	—	—	—
<b>Wasatch</b>											
Number of strutting grounds counted	2	2	2	2	2	4	3	2	1	2	2
Total male Grouse counted	54	37	36	24	68	84	86	146	65	69	67
Average males / lek	27.0	18.5	36.0	24.0	34.0	42.0	43.0	73.0	65.0	34.5	40.3
<b>Central Region total</b>											
Number of strutting grounds counted	7	8	8	9	8	11	10	13	13	15	10
Total male Grouse counted	147	180	188	225	171	162	224	413	296	189	223
Average males / lek	24.5	25.7	31.3	32.1	21.4	32.4	37.3	37.5	24.7	12.6	29.7

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

Sage-grouse strutting ground counts by county for the Southern Region, Utah 1999–2008.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Average (1999–2007)
<b>Beaver</b>											
Number of strutting grounds counted	6	7	7	7	7	8	8	7	8	7	7
Total male Grouse counted	96	79	94	76	55	74	78	43	126	96	80
Average males / lek	16.0	15.8	23.5	19.0	13.8	14.8	26.0	14.3	25.2	19.2	18.7
<b>Garfield</b>											
Number of strutting grounds counted	14	14	15	14	15	15	16	12	15	14	14
Total male Grouse counted	245	324	306	172	168	211	419	334	264	350	271
Average males / lek	22.3	27.0	34.0	17.2	16.8	17.6	41.9	37.1	33.0	43.8	27.4
<b>Iron</b>											
Number of strutting grounds counted	7	6	8	8	8	8	8	14	16	17	9
Total male Grouse counted	135	129	122	116	75	96	112	196	292	293	141
Average males / lek	22.5	21.5	20.3	19.3	12.5	13.7	18.7	19.6	19.5	18.3	18.6
<b>Kane</b>											
Number of strutting grounds counted	3	3	3	3	3	3	3	1	3	3	3
Total male Grouse counted	20	11	17	11	5	5	12	13	4	3	11
Average males / lek	20.0	11.0	17.0	11.0	5.0	5.0	12.0	13.0	4.0	3.0	10.9
<b>Millard</b>											
Number of strutting grounds counted	—	—	—	—	—	—	—	—	—	—	—
Total male Grouse counted	—	—	—	—	—	—	—	—	—	—	—
Average males / lek	—	—	—	—	—	—	—	—	—	—	—
<b>Piute</b>											
Number of strutting grounds counted	1	1	1	1	1	1	2	2	2	2	1
Total male Grouse counted	67	63	61	58	26	22	39	75	112	99	58
Average males / lek	67.0	63.0	61.0	58.0	26.0	22.0	19.5	37.5	56.0	49.5	45.6

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

Sage-grouse strutting ground counts by county for the Southern Region, Utah 1999–2008 (cont.).

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Average (1999–2007)
<b>Sevier</b>											
Number of strutting grounds counted	1	1	1	1	1	1	3	2	2	2	1
Total male Grouse counted	16	14	11	8	3	4	31	49	25	32	18
Average males / lek	16.0	14.0	11.0	8.0	3.0	4.0	10.3	24.5	12.5	16.0	11.5
<b>Wayne</b>											
Number of strutting grounds counted	15	16	16	17	17	18	18	21	21	32	18
Total male Grouse counted	499	472	561	594	435	586	677	997	1083	879	656
Average males / lek	49.9	42.9	46.8	49.5	36.3	41.9	42.3	49.9	51.6	30.3	45.7
<b>Southern Region total</b>											
Number of strutting grounds counted	47	48	51	51	52	54	58	59	67	77	54
Total male Grouse counted	1078	1092	1172	1035	767	998	1368	1707	1906	1752	1236
Average males / lek	29.9	29.5	34.5	29.6	21.9	24.3	33.4	36.3	35.3	22.8	30.5

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

Sage-grouse strutting ground counts by county for the Northeastern Region, Utah 1999–2008.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Average (1999–2007)
Daggett											
Number of strutting grounds counted	2	6	7	7	7	7	7	8	9	10	7
Total male Grouse counted	19	84	88	67	101	175	229	263	200	87	136
Average males / lek	19.0	28.0	22.0	16.8	25.3	29.2	32.7	32.9	22.2	12.4	25.3
Duchesne											
Number of strutting grounds counted	7	7	2	6	7	8	11	14	18	15	9
Total male Grouse counted	46	57	55	33	54	39	69	110	151	102	68
Average males / lek	7.7	9.5	27.5	16.5	10.8	5.6	11.5	12.2	12.6	17.0	12.7
Uintah											
Number of strutting grounds counted	24	21	22	28	28	35	38	39	43	42	31
Total male Grouse counted	368	363	276	344	310	492	540	589	478	272	418
Average males / lek	20.4	21.4	18.4	20.2	17.2	18.2	18.6	19.0	16.5	11.8	18.9
Wasatch											
Number of strutting grounds counted	1	1	1	1	1	1	1	1	1	1	1
Total male Grouse counted	5	4	3	—	—	—	2	—	—	—	4
Average males / lek	5.0	4.0	3.0	—	—	—	2.0	—	—	—	3.5
Northeastern Region total											
Number of strutting grounds counted	34	35	32	42	43	51	57	62	72	68	48
Total male Grouse counted	438	508	422	444	465	706	840	962	894	461	631
Average males / lek	16.8	18.8	19.2	19.3	17.2	17.7	19.5	20.0	17.5	6.8	18.4

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



Sage-grouse strutting ground counts by county for the Southeastern Region, Utah 1999–2008.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Average (1999–2007)
<b>Carbon</b>											
Number of strutting grounds counted	14	17	12	13	18	19	11	19	20	17	16
Total male Grouse counted	68	201	133	68	68	143	121	223	223	173	139
Average males / lek	11.3	22.3	16.6	11.3	8.5	13.0	13.4	17.2	18.6	14.4	14.7
<b>Emery</b>											
Number of strutting grounds counted	2	2	2	1	2	1	3	3	2	2	2
Total male Grouse counted	—	—	—	—	—	5	11	30	15	19	15
Average males / lek	—	—	—	—	—	5.0	5.5	15.0	7.5	9.5	8.3
<b>San Juan</b>											
Number of strutting grounds counted	6	5	5	5	5	5	5	4	5	5	5
Total male Grouse counted	40	57	47	35	30	33	33	24	44	47	38
Average males / lek	8.0	14.3	9.4	8.8	10.0	8.3	11.0	12.0	11.0	15.7	10
<b>Southeastern Region total</b>											
Number of strutting grounds counted	22	24	19	19	25	25	19	26	27	24	23
Total male Grouse counted	108	258	180	103	98	181	165	277	282	239	184
Average males / lek	9.8	19.8	13.8	10.3	8.9	11.3	11.8	16.3	15.7	10.0	13.1

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

Statewide Sage-grouse strutting ground counts, Utah 1999–2008.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Average (1999–2007)
Number of strutting grounds counted	186	196	194	257	251	264	254	262	285	306	239
Total male Grouse counted	3112	3828	3605	3847	4175	5090	5748	5747	5695	4691	4539
Average males / lek	24.1	26.0	25.4	23.6	23.9	25.5	29.8	28.5	26.2	22.1	25.9

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

Statewide trends of sage-grouse strutting ground counts, Utah 1959–2008.

Year	Number of grounds counted	Total male grouse counted	Average male grouse / ground
1959	14	451	32.2
1960	16	550	34.4
1961	13	623	47.9
1962	14	472	33.7
1963	20	607	30.4
1964	15	296	21.1
1965	16	227	15.1
1966	21	321	16.9
1967	44	987	25.3
1968	66	1325	23.2
1969	86	3142	39.3
1970	104	2975	30.7
1971	123	2676	26.2
1972	126	2919	26.8
1973	115	2215	23.6
1974	150	2671	20.9
1975	130	2530	23.4
1976	137	2629	22.1
1977	164	3602	25.4
1978	139	2902	25.0
1979	131	3420	33.2
1980	118	2150	24.7
1981	174	3269	25.5
1982	121	2518	25.2
1983	136	2168	20.1
1984	63	874	19.0
1985	139	1877	18.0
1986	119	2063	21.1
1987	122	2042	20.4
1988	185	2810	25.5
1989	146	2971	27.0
1990	156	2900	23.8
1991	142	2595	20.4
1992	120	1909	18.5
1993	88	1215	17.1
1994	121	1419	15.8
1995	98	1126	15.6
1996	148	1595	15.8
1997	173	1979	17.4
1998	165	2396	21.0
1999	186	3112	24.1

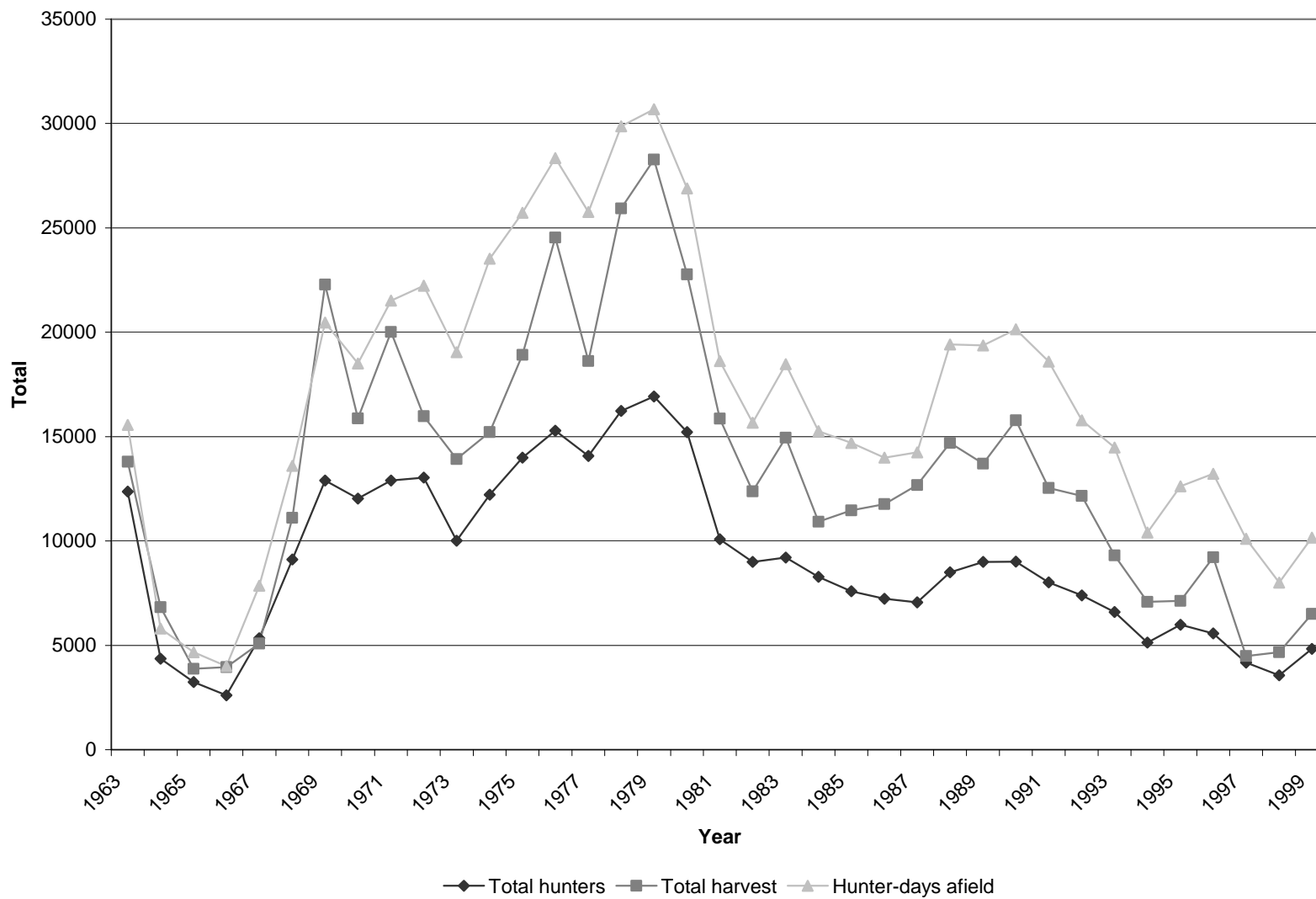
\*Only leks where birds were counted were used to calculate the average number of males/lek.

Statewide trends of sage-grouse strutting ground counts, Utah 1959–2008 (cont.).

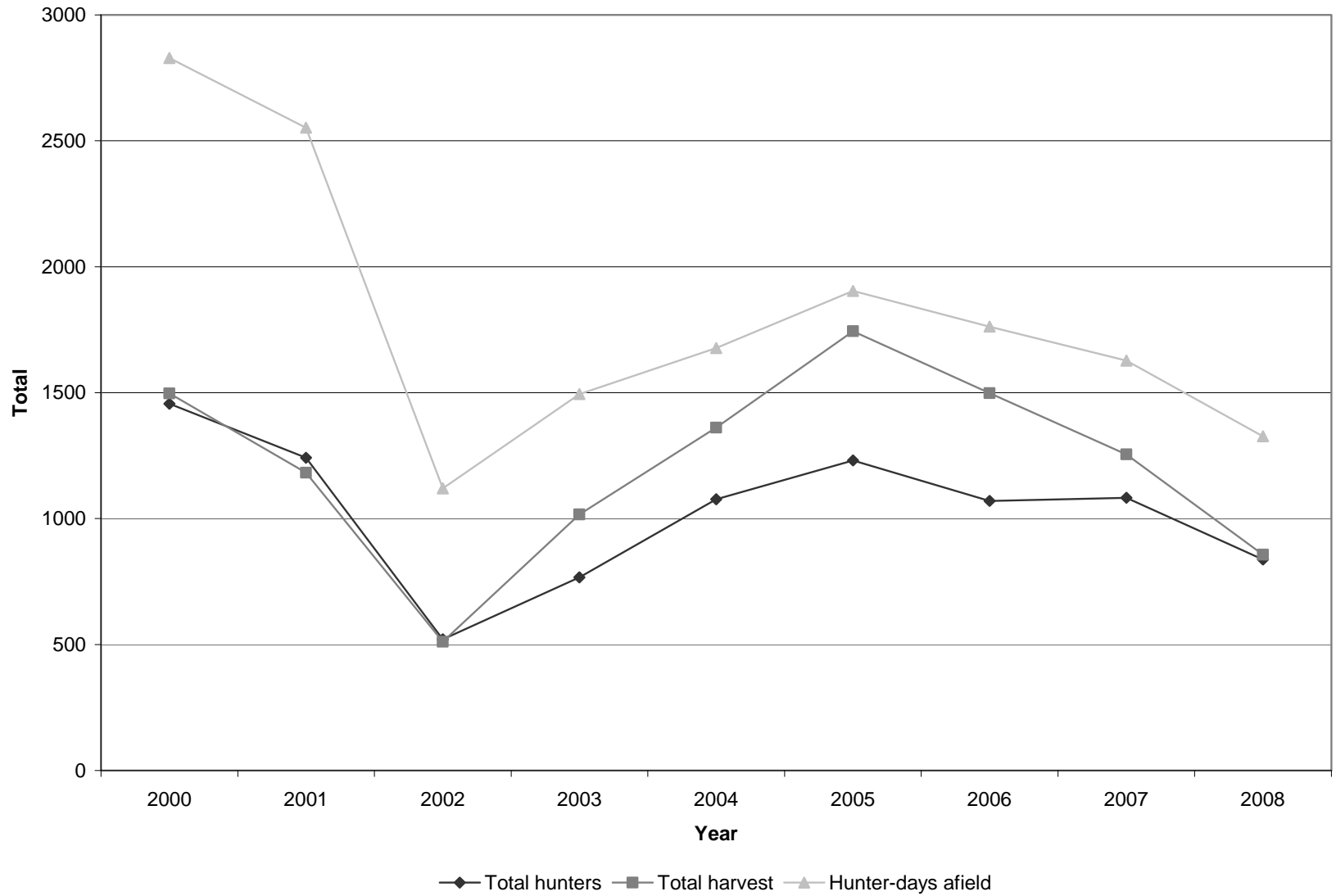
Year	Number of grounds counted	Total male grouse counted	Average male grouse / ground
2000	196	3828	26.0
2001	194	3605	25.4
2002	257	3847	23.6
2003	251	4175	23.9
2004	264	5090	25.5
2005	254	5748	29.8
2006	262	5747	28.5
2007	285	5695	26.2
2008	239	4539	25.9
Total (1959–2008)	6633	122954	—
Average (1959–2007)	129.1	2413.5	24.5

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

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

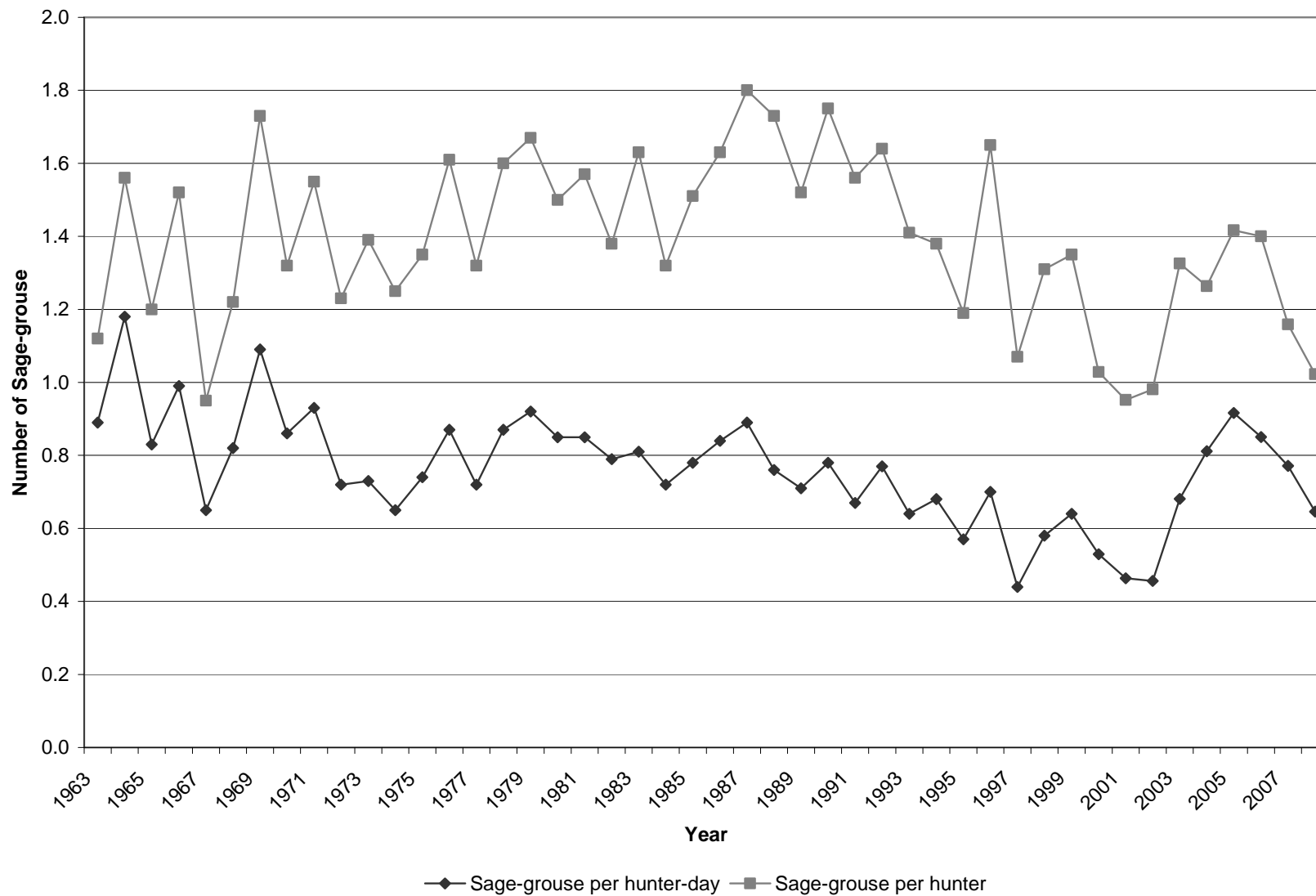


Statewide trends of sage-grouse harvest statistics, Utah 2000–2008.



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

Statewide trends of sage-grouse hunter success, Utah 1963–2008.



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

Sage-grouse harvest statistics by hunt unit, Utah 2008.

Hunt unit	Total permits	n	Hunters afield	Hunter-days afield	Sage-grouse harvest	% success*	Sage-grouse / hunter day	Sage-grouse / hunter
West Box Elder	381	102	250	377	153	35.8	0.41	0.61
Rich	237	65	208	317	310	84.2	0.98	1.49
Diamond/Blue Mountain	100	50	86	174	100	72.1	0.57	1.16
Parker Mountain	371	101	294	459	294	58.8	0.64	1.00
Statewide total	1089	318	838	1327	857	59.6	0.65	1.02

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

Statewide sage-grouse harvest statistics, Utah 1951–2008.

Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1951	840	2458	—	—	2.93
1952	678	2230	—	—	3.29
1953	895	2581	—	—	2.88
1954	802	2510	—	—	3.13
1955	579	1742	—	—	3.01
1956	495	1375	—	—	2.97
1957	470	1303	—	—	2.77
1958	567	1797	—	—	3.17
1959	699	1875	—	—	2.68
1960	861	2246	—	—	2.61
1961**	1078	1918	—	—	1.78
1962***	2382	5352	5097	1.05	1.89
1963	12366	13793	15564	0.89	1.12
1964	4362	6827	5807	1.18	1.56
1965	3243	3881	4673	0.83	1.20
1966	2612	3962	4006	0.99	1.52
1967	5336	5089	7860	0.65	0.95
1968	9115	11109	13601	0.82	1.22
1969	12894	22282	20466	1.09	1.73
1970	12036	15877	18506	0.86	1.32
1971	12893	20013	21509	0.93	1.55
1972	13040	15983	22232	0.72	1.23
1973	10017	13926	19049	0.73	1.39
1974	12214	15215	23516	0.65	1.25
1975	13996	18916	25720	0.74	1.35
1976	15283	24541	28342	0.87	1.61
1977	14078	18615	25759	0.72	1.32
1978	16231	25938	29861	0.87	1.60
1979	16927	28280	30682	0.92	1.67
1980	15219	22770	26893	0.85	1.50
1981	10083	15857	18617	0.85	1.57
1982	8997	12383	15663	0.79	1.38
1983	9201	14949	18467	0.81	1.63
1984	8283	10921	15266	0.72	1.32
1985	7586	11466	14702	0.78	1.51

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

\*\*Harvest numbers were estimated in 1961.

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



Statewide sage-grouse harvest statistics, Utah 1951–2008 (cont.).

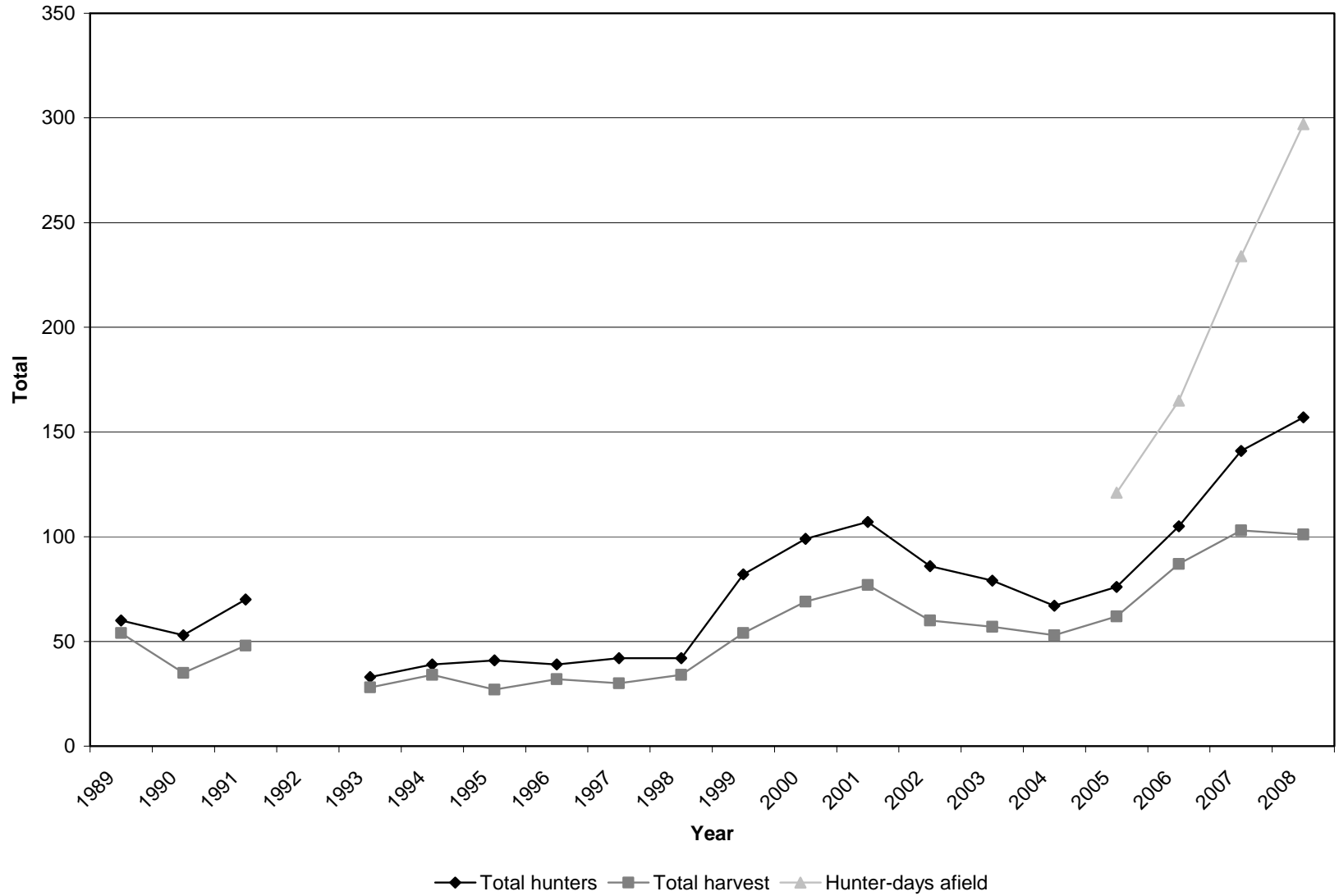
Year	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1986	7233	11766	13992	0.84	1.63
1987	7060	12673	14242	0.89	1.80
1988	8499	14692	19418	0.76	1.73
1989	9002	13710	19373	0.71	1.52
1990	9014	15784	20147	0.78	1.75
1991	8018	12542	18596	0.67	1.56
1992	7393	12156	15781	0.77	1.64
1993	6594	9311	14480	0.64	1.41
1994	5133	7084	10406	0.68	1.38
1995	5987	7133	12615	0.57	1.19
1996	5574	9220	13215	0.70	1.65
1997	4178	4489	10101	0.44	1.07
1998	3559	4676	8003	0.58	1.31
1999	4830	6503	10161	0.64	1.35
2000*	1456	1497	2829	0.53	1.03
2001	1242	1182	2552	0.46	0.95
2002	521	511	1120	0.46	0.98
2003	767	1017	1494	0.68	1.33
2004	1077	1361	1677	0.81	1.26
2005	1231	1744	1904	0.92	1.42
2006	1070	1498	1762	0.85	1.40
2007	1083	1255	1627	0.77	1.16
2008	838	857	1327	0.65	1.02
Total (1951–2008)	357717	532641	648680	—	—
Average (1951–2007)	6261	9330	14073	0.66	1.49
% change from previous year	-23	-32	-18	-16	-12
% change from average	-87	-91	-91	-3	-31

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

# SANDHILL CRANE

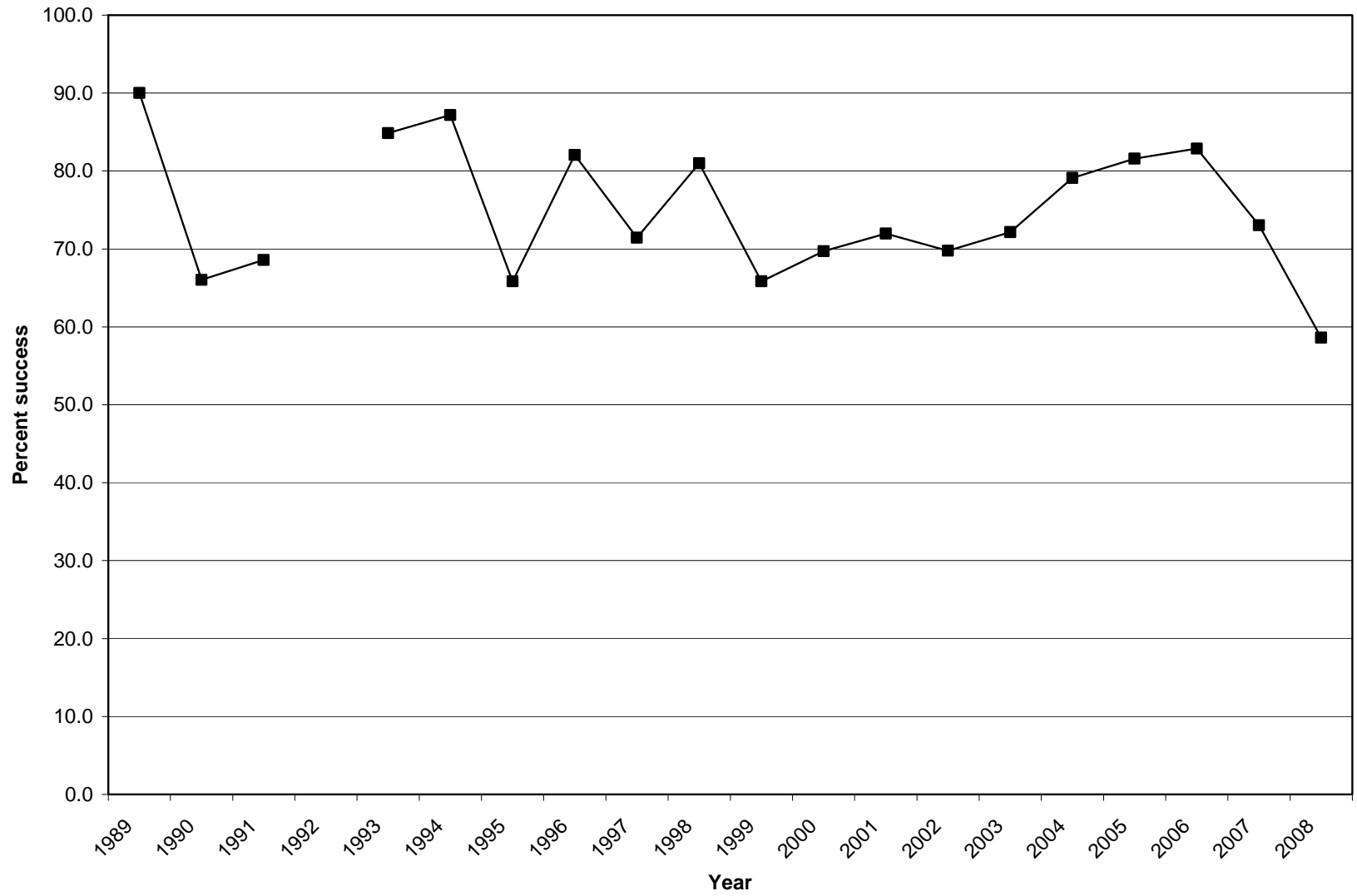


Statewide trends of sandhill crane harvest statistics, Utah 1989–2008.



\* No permits were issued in 1992.

Statewide trends of sandhill crane hunter success, Utah 1989–2008.



\*No permits were issued in 1992.

Sandhill crane harvest statistics by hunt area, Utah 2008.

Hunt number	Region and county	Permits sold	n	Hunters afield	Hunter-days afield	Adult harvest	Young harvest	Total harvest	Crane / hunter- day	Percent success
Northern Region										
001	Box Elder County	38	37	34	54	21	0	21	0.38	60.6
002	Cache County	45	41	40	74	26	1	27	0.37	69.4
003	Rich County	41	38	37	55	21	3	25*	0.45	67.6
Northeastern Region										
004	Uintah County	88	75	63	114	23	5	28	0.25	44.4
Statewide		1	1	0	—	—	—	—	—	—
Total		213	192	174	297	91	9	101*	0.34	58.6

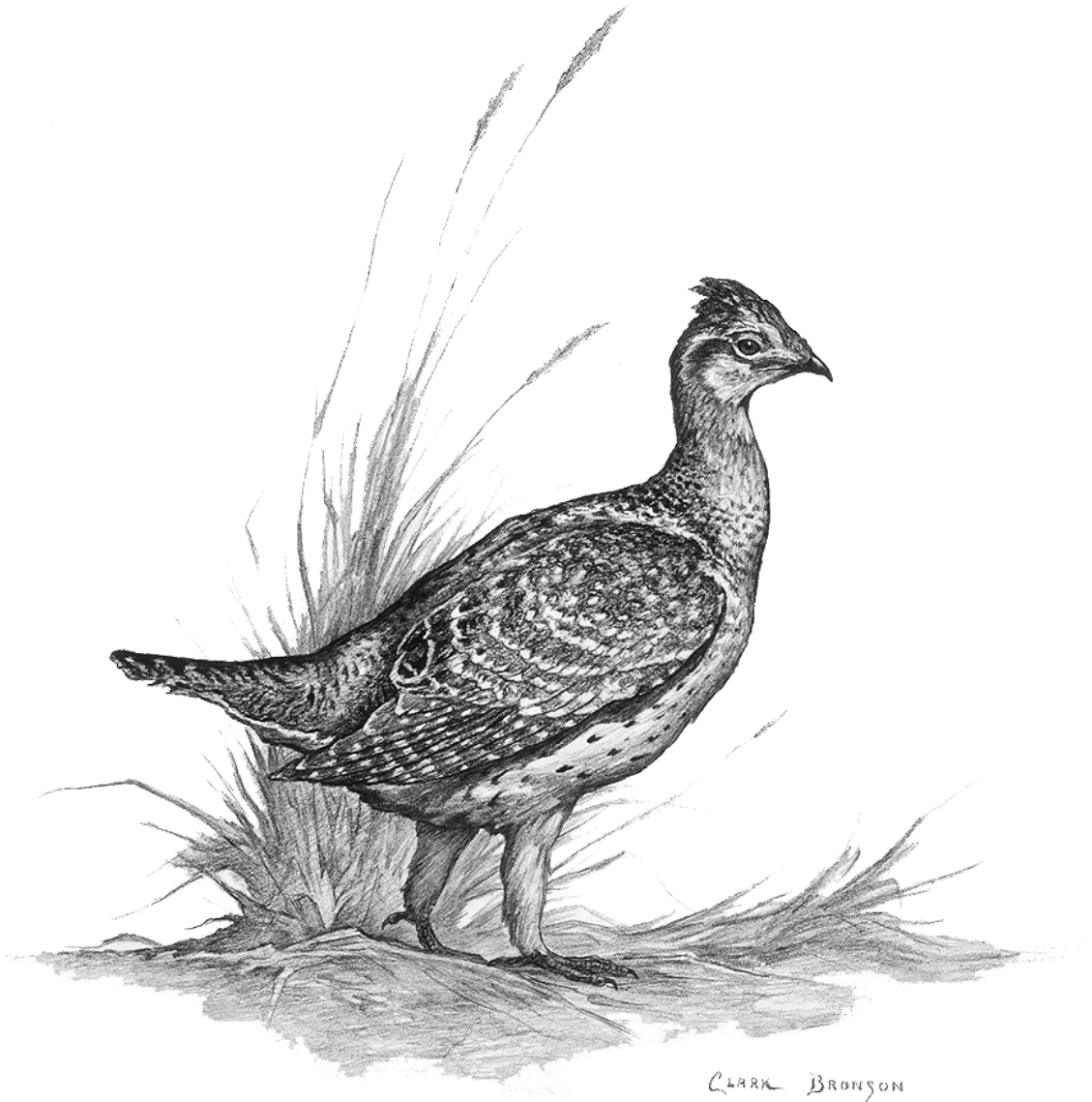
\* One crane of unknown age  
192 (90%) permit holders reported

Statewide sandhill crane harvest statistics, Utah 1989–2008.

Year	Permits sold	Total hunters	Adult harvest	Young harvest	Total harvest	Hunter-days afield	Crane / hunter-day	Percent success
1989	100	60	49	5	54	—	—	90.0
1990	80	53	30	5	35	—	—	66.0
1991	100	70	44	4	48	—	—	68.6
1992	0	0	0	0	0	—	—	0.0
1993	50	33	26	2	28	—	—	84.8
1994	60	39	31	3	34	—	—	87.2
1995	60	41	26	1	27	—	—	65.9
1996	50	39	27	5	32	—	—	82.1
1997	50	42	27	3	30	—	—	71.4
1998	50	42	29	5	34	—	—	81.0
1999	100	82	47	7	54	—	—	65.9
2000	121	99	62	7	69	—	—	69.7
2001	122	107	70	7	77	—	—	72.0
2002	110	86	53	7	60	—	—	69.8
2003	93	79	50	7	57	—	—	72.2
2004	74	67	48	5	53	—	—	79.1
2005	93	76	54	8	62	121	0.51	81.6
2006	137	105	75	12	87	165	0.53	82.9
2007	165	141	94	9	103	234	0.44	73.0
2008	213	157	91	9	101*	297	0.34	58.6
Total (1989–2008)	1828	1418	933	111	1045	817	—	—
Average (1989–2007)	90	70	47	6	52	173	0.30	74.9
% change from previous year	29	11	-3	0	-2	27	-23	-20
% change from average	137	124	95	59	93	71	12	-22

\* One crane of unknown age

# SHARP-TAILED GROUSE



Statewide trends of average Columbian sharp-tailed grouse per lek, Utah 1975–2008.



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



Lek counts of Columbian sharp-tailed grouse by county, Utah 1999–2008.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Average (1999–2007)
<b>Box Elder</b>											
Number of strutting grounds counted	36	41	36	39	53	58	53	52	56	45	47
Total Grouse counted	688	417	247	198	491	479	546	468	604	373	460
Average Grouse / lek	20.8	14.4	12.4	7.6	12.3	11.1	13.7	9.0	10.8	8.3	12.5
<b>Cache</b>											
Number of strutting grounds counted	9	10	7	3	23	28	24	21	19	22	16
Total Grouse counted	84	68	14	38	137	296	290	227	182	85	148
Average Grouse / lek	9.3	8.5	14.0	19.0	15.2	14.1	17.1	10.8	9.6	3.9	13.1
<b>Morgan</b>											
Number of strutting grounds counted	—	—	—	—	—	3	1	1	—	2	2
Total Grouse counted	—	—	—	—	—	18	6	13	—	4	12
Average Grouse / lek	—	—	—	—	—	6.0	6.0	13.0	—	2.0	8.3
<b>Statewide total</b>											
Number of strutting grounds counted	45	51	43	42	76	89	78	74	75	69	64
Total Grouse counted	772	485	261	236	628	793	842	708	786	462	612
Average Grouse / lek	18.4	13.1	12.4	8.4	12.8	11.8	14.5	9.6	10.5	6.7	12.4

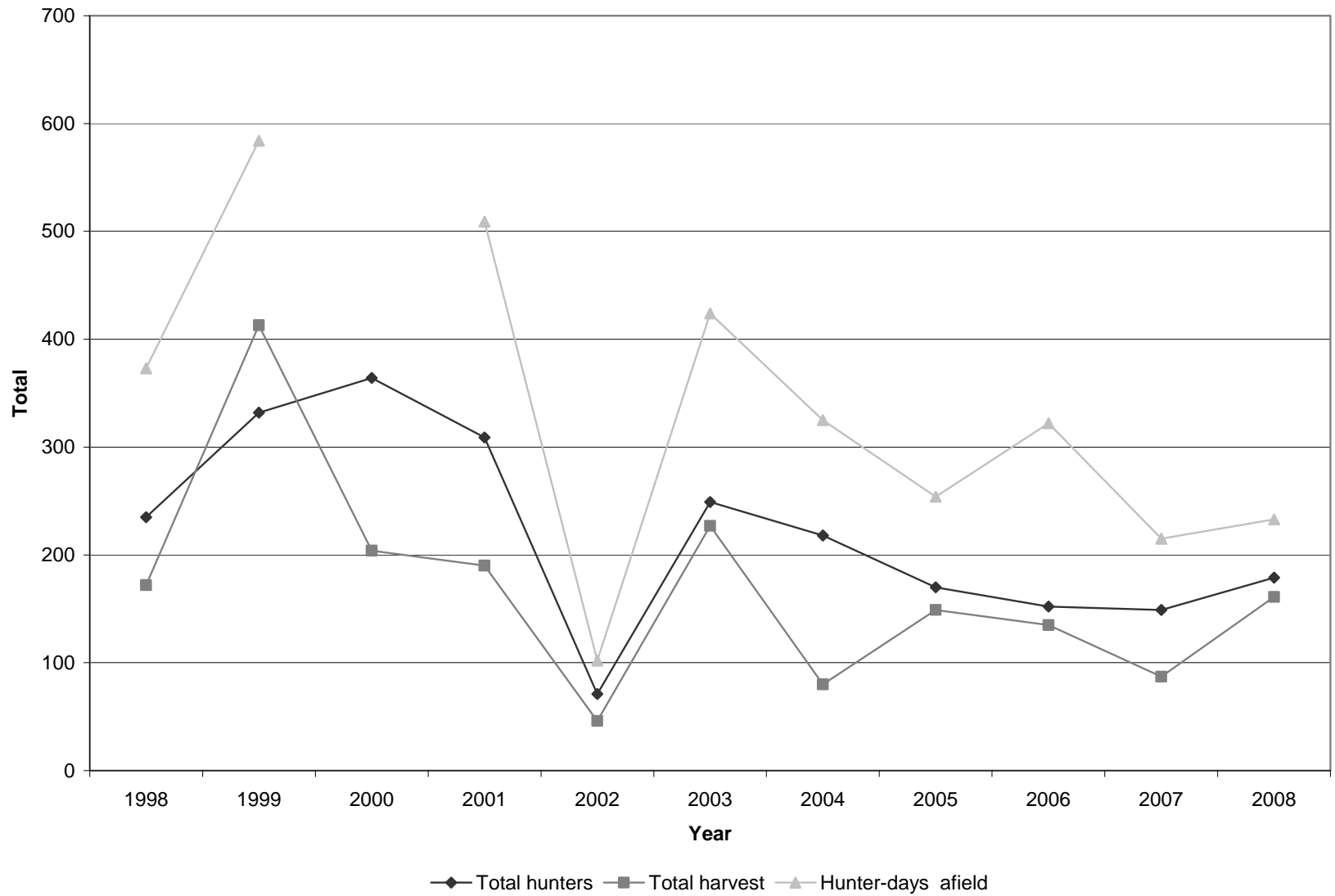
\*Only leks where birds were counted were used to calculate the average number of birds/lek.

Statewide trends of Columbian sharp-tailed grouse lek counts, Utah 1975–2008.

Year	Number of grounds counted	Total birds counted	Average grouse / ground
1975	4	79	19.8
1976	4	34	11.3
1977	9	135	19.3
1978	9	228	28.5
1979	17	187	11.0
1980	17	73	4.6
1981	15	190	12.7
1982	15	103	8.6
1983	7	98	14.0
1984	7	20	5.0
1985	9	94	10.4
1986	9	224	28.0
1987	10	230	23.0
1988	10	200	20.0
1989	11	205	20.5
1990	11	296	29.6
1991	27	482	18.5
1992	20	378	18.9
1993	15	108	7.7
1994	19	116	6.1
1995	13	37	12.3
1996	23	92	10.2
1997	9	69	13.8
1998	29	387	17.6
1999	45	772	18.4
2000	51	485	13.1
2001	43	261	12.4
2002	42	236	8.4
2003	76	628	12.8
2004	89	793	11.8
2005	78	842	14.5
2006	71	654	12.8
2007	45	72	731
2008	39	69	462
Total (1975–2008)	706	961	10038
Average (1975–2007)	20.2	27.0	290.2

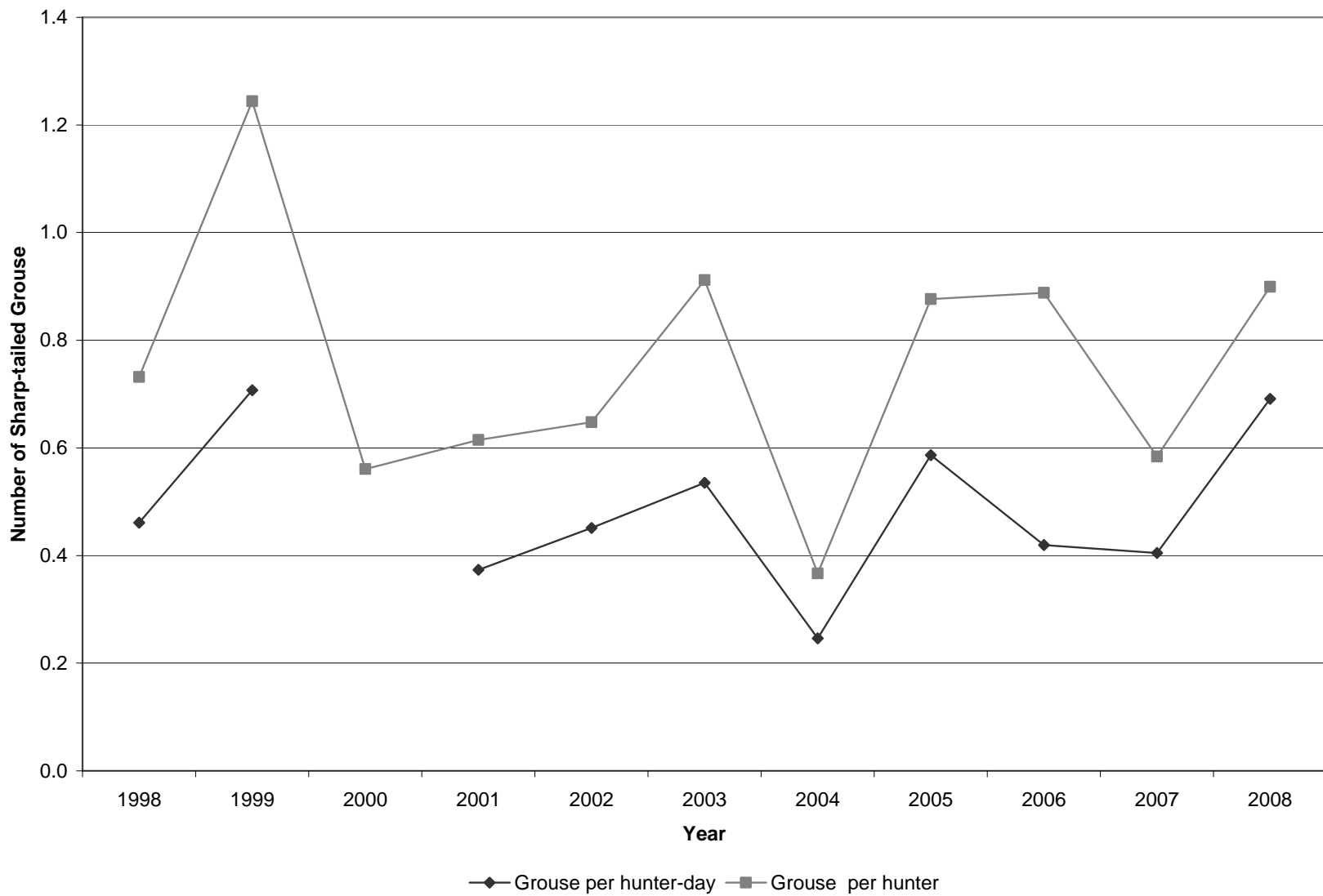
\*Only leks where birds were counted were used to calculate the average number of birds/lek.

Statewide trends of sharp-tailed grouse harvest statistics, Utah 1998–2008.



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

Statewide trends of sharp-tailed grouse hunter success, Utah 1998–2008.



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

Sharp-tailed grouse harvest statistics by hunt area, Utah 2008.

Region and county	n	Hunters afield	Hunter-days afield	Grouse bagged	Grouse / hunter-day	Grouse / hunter
Northern Region						
Box Elder County						
Blue Creek	7	26	36	36	1.00	1.43
Blue Springs	1	4	4	7	2.00	2.00
Golden Spike	2	7	7	0	0.00	0.00
Hansel Valley	2	7	15	0	0.00	0.00
Howell Valley	6	22	26	26	1.00	1.17
Middle Canyon	0	—	—	—	—	—
North Hansel	3	11	11	7	0.67	0.67
West Hills	0	—	—	—	—	—
White's Valley	4	15	18	26	1.40	1.75
Unknown	15	55	77	36	0.48	0.67
Cache County	14	33	40	23	0.59	0.71
Total*	54	179	233	161	0.70	0.91

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

Box Elder County projection factor = 3.6; Cache County projection factor = 2.3

318 permits sold

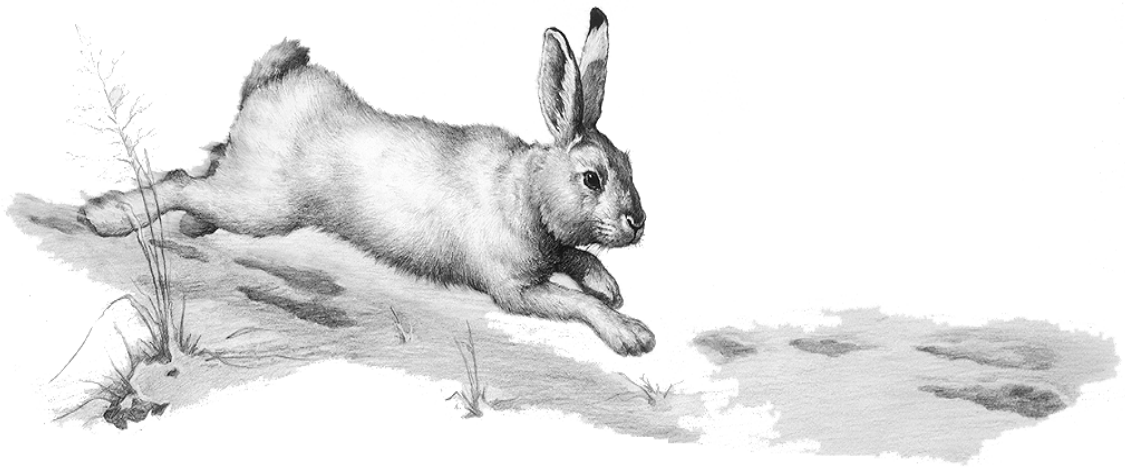
97 (31%) permit holders surveyed

Statewide sharp-tailed grouse harvest statistics, Utah 1998–2008.

Year	Permits sold	Total hunters	Total harvest	Hunter-days afield	Grouse / hunter-day	Grouse / hunter
1998	378	235	172	373	0.46	0.73
1999	381	332	413	584	0.71	1.24
2000	663	364	204	—	—	0.56
2001	673	309	190	509	0.37	0.61
2002	143	71	46	102	0.45	0.65
2003	427	249	227	424	0.54	0.91
2004	350	218	80	325	0.25	0.37
2005	339	170	149	254	0.59	0.88
2006	329	152	135	322	0.42	0.89
2007	351	149	87	215	0.40	0.58
2008	318	179	161	233	0.69	0.90
Total (1998–2008)	4352	2428	1864	3341	—	—
Average (1998–2007)	403	225	170	345	0.49	0.76
% change from previous year	-9	20	85	8	71	54
% change from average	-21	-20	-5	-33	40	19

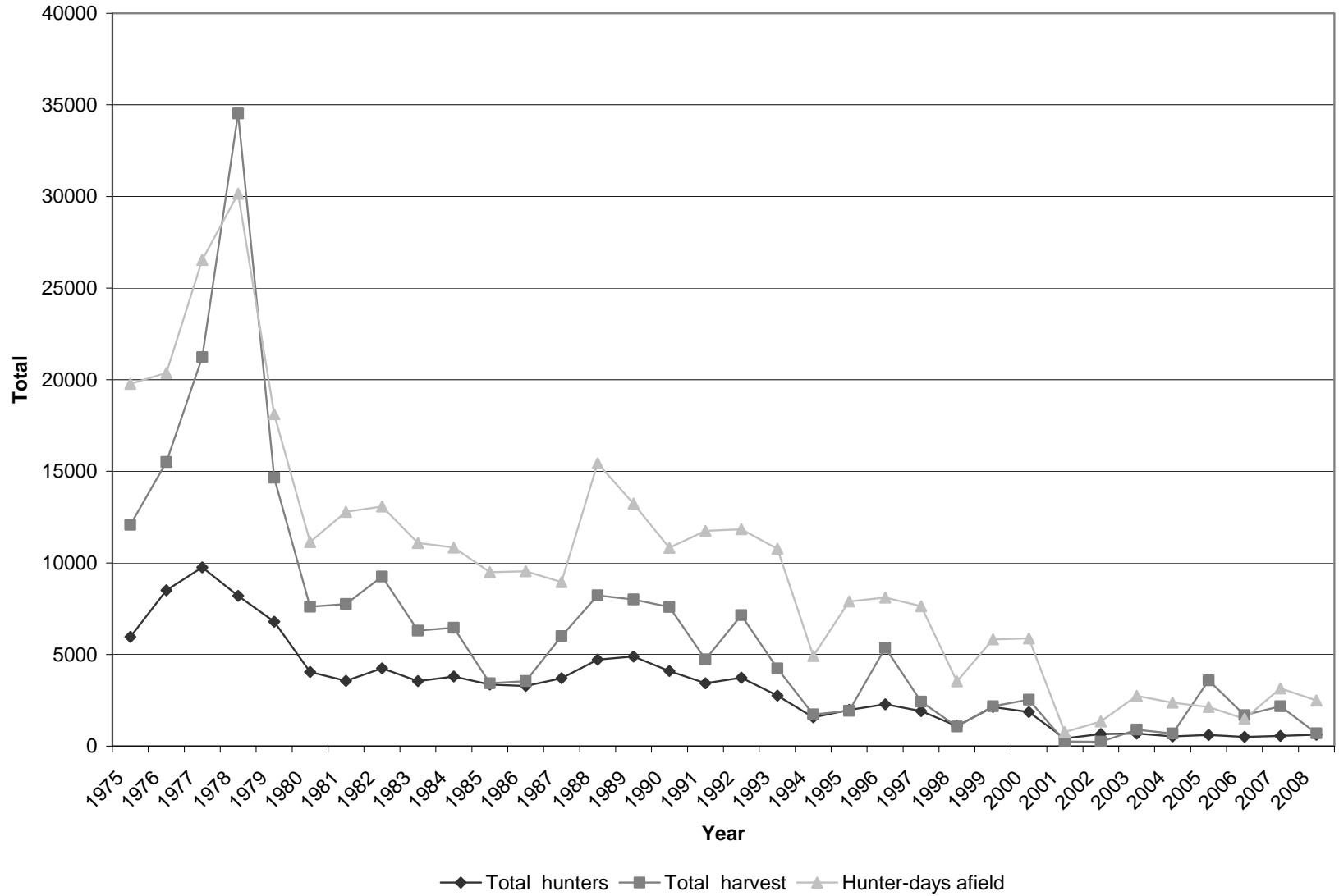
\*Hunter-days afield data was not collected in 2000.

# SNOWSHOE HARE



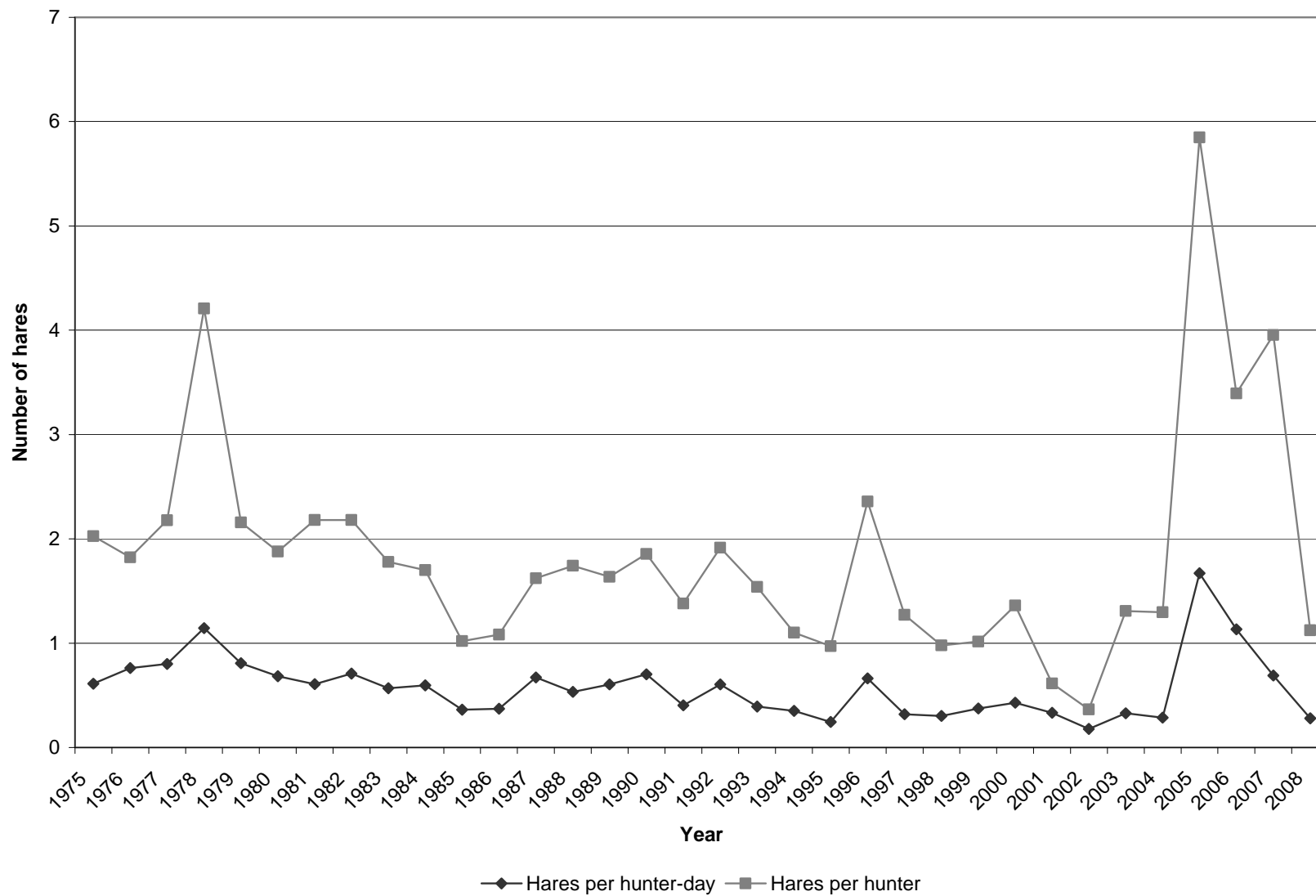
CLARK BRANSON

Statewide trends of snowshoe hare harvest statistics, Utah 1975–2008.





Statewide trends of snowshoe hare hunter success, Utah 1975–2008.



Snowshoe hare harvest statistics by region and county, Utah 2008.

Region and county	n	Hunters afield	Hunter-days afield	Hares bagged	Hares / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	12	105	148	113	0.76	5.9	16.3
Cache	6	52	148	17	0.11	5.9	2.5
Davis	1	9	9	0	0.00	0.4	0.0
Morgan	1	9	46	9	0.20	1.9	1.3
Rich	6	52	157	174	1.11	6.3	25.0
Summit	8	70	194	113	0.58	7.8	16.3
Weber	1	9	74	17	0.23	3.0	2.5
Regional total	35	306	776	443	0.57	31.1	63.8
Central Region							
Juab	0	—	—	—	—	—	—
Salt Lake	1	9	74	0	0.00	3.0	0.0
Sanpete	4	35	507	17	0.03	20.4	2.5
Tooele	4	35	92	78	0.85	3.7	11.3
Utah	1	9	18	0	0.00	0.7	0.0
Wasatch	1	9	18	9	0.50	0.7	1.3
Regional total	11	97	709	104	0.15	28.5	15.0
Southern Region							
Beaver	1	9	18	9	0.50	0.7	1.3
Garfield	1	9	74	0	0.00	3.0	0.0
Iron	1	9	18	9	0.50	0.7	1.3
Kane	0	—	—	—	—	—	—
Millard	1	9	46	0	0.00	1.9	0.0
Piute	1	9	18	0	0.00	0.7	0.0
Sevier	3	26	101	0	0.00	4.1	0.0
Washington	1	9	28	0	0.00	1.1	0.0
Wayne	0	—	—	—	—	—	—
Regional total	9	80	303	18	0.06	12.2	2.5
Northeastern Region							
Daggett	1	9	18	17	0.94	0.7	2.5
Duchesne	4	35	129	26	0.20	5.2	3.8
Uintah	4	35	175	0	0.00	7.0	0.0
Regional total	9	79	322	43	0.13	13.0	6.3
Southeastern Region							
Carbon	3	26	148	0	0.00	5.9	0.0
Emery	2	17	74	44	0.59	3.0	6.3
Grand	1	9	18	17	0.94	0.7	2.5
San Juan	0	—	—	—	—	—	—
Regional total	6	52	240	61	0.25	9.6	8.8
Unknown	8	70	138	26	0.19	5.6	3.8
Statewide total*	71	619	2489	696	0.28	100.0	100.0

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

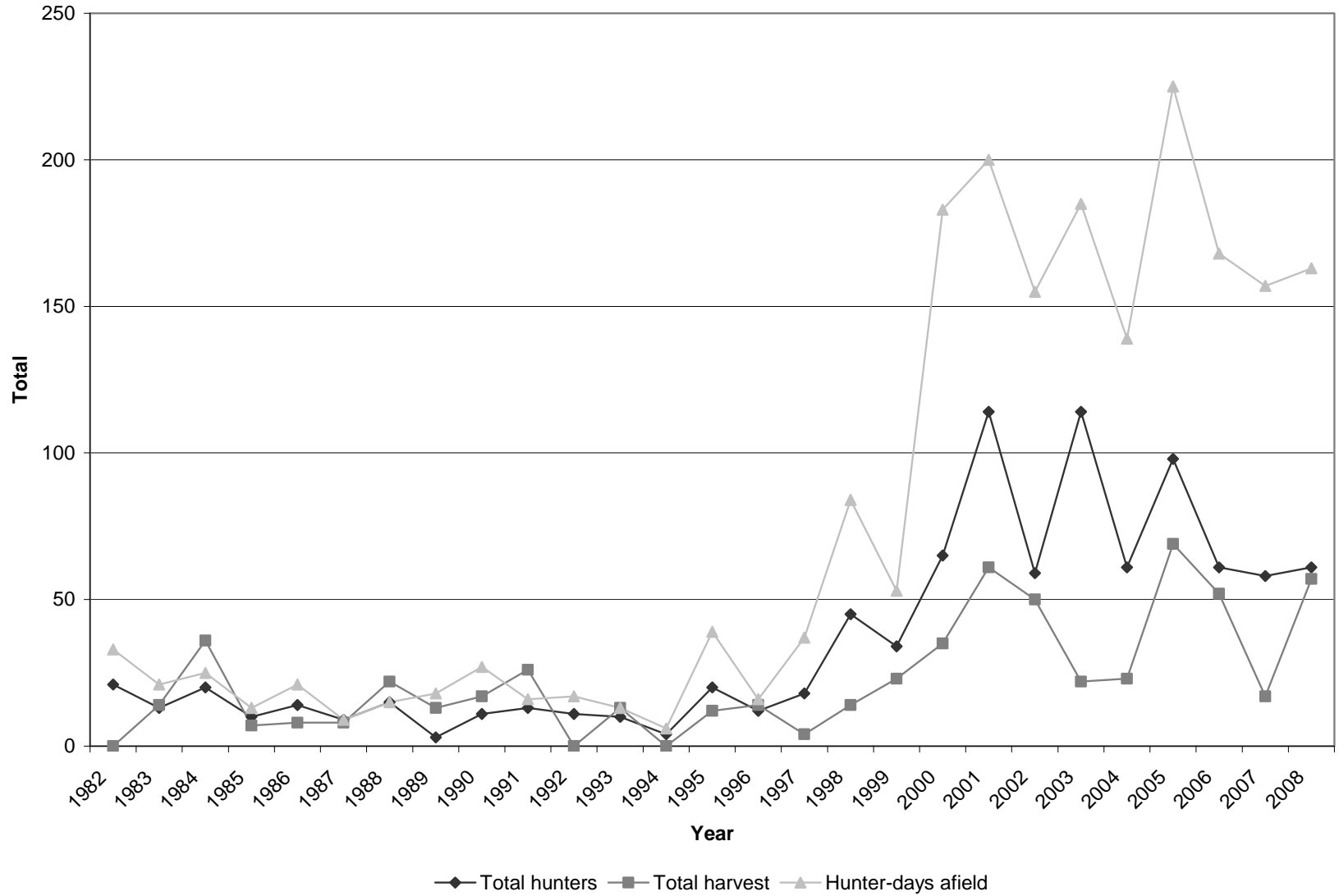
Statewide snowshoe hare harvest statistics, Utah 1975–2008.

Year	Total hunters	Total harvest	Hunter-days afield	Hares / hunter-day	Hares / hunter
1975	5961	12072	19770	0.61	2.03
1976	8502	15500	20367	0.76	1.82
1977	9752	21232	26535	0.80	2.18
1978	8205	34535	30155	1.15	4.21
1979	6787	14641	18115	0.81	2.16
1980	4048	7603	11140	0.68	1.88
1981	3554	7750	12782	0.61	2.18
1982	4245	9257	13073	0.71	2.18
1983	3544	6302	11088	0.57	1.78
1984	3796	6455	10840	0.60	1.70
1985	3365	3429	9494	0.36	1.02
1986	3277	3544	9541	0.37	1.08
1987	3702	6005	8947	0.67	1.62
1988	4725	8231	15444	0.53	1.74
1989	4895	8006	13233	0.61	1.64
1990	4095	7593	10825	0.70	1.85
1991	3427	4731	11742	0.40	1.38
1992	3732	7144	11836	0.60	1.91
1993	2755	4237	10774	0.39	1.54
1994	1565	1722	4922	0.35	1.10
1995	1983	1924	7891	0.24	0.97
1996	2276	5365	8106	0.66	2.36
1997	1912	2431	7628	0.32	1.27
1998	1093	1070	3536	0.30	0.98
1999	2139	2173	5831	0.37	1.02
2000	1855	2526	5879	0.43	1.36
2001	417	256	768	0.33	0.61
2002	658	240	1348	0.18	0.36
2003	686	897	2747	0.33	1.31
2004	525	681	2377	0.29	1.30
2005	612	3580	2142	1.67	5.85
2006	496	1683	1485	1.13	3.39
2007	550	2175	3149	0.69	3.95
2008	619	696	2489	0.28	1.12
Total (1975–2008)	109753	215686	335999	—	—
Average (1975–2007)	3307	6515	10106	0.64	1.97
% change from previous year	13	-68	-21	-60	-72
% change from average	-81	-89	-75	-57	-43

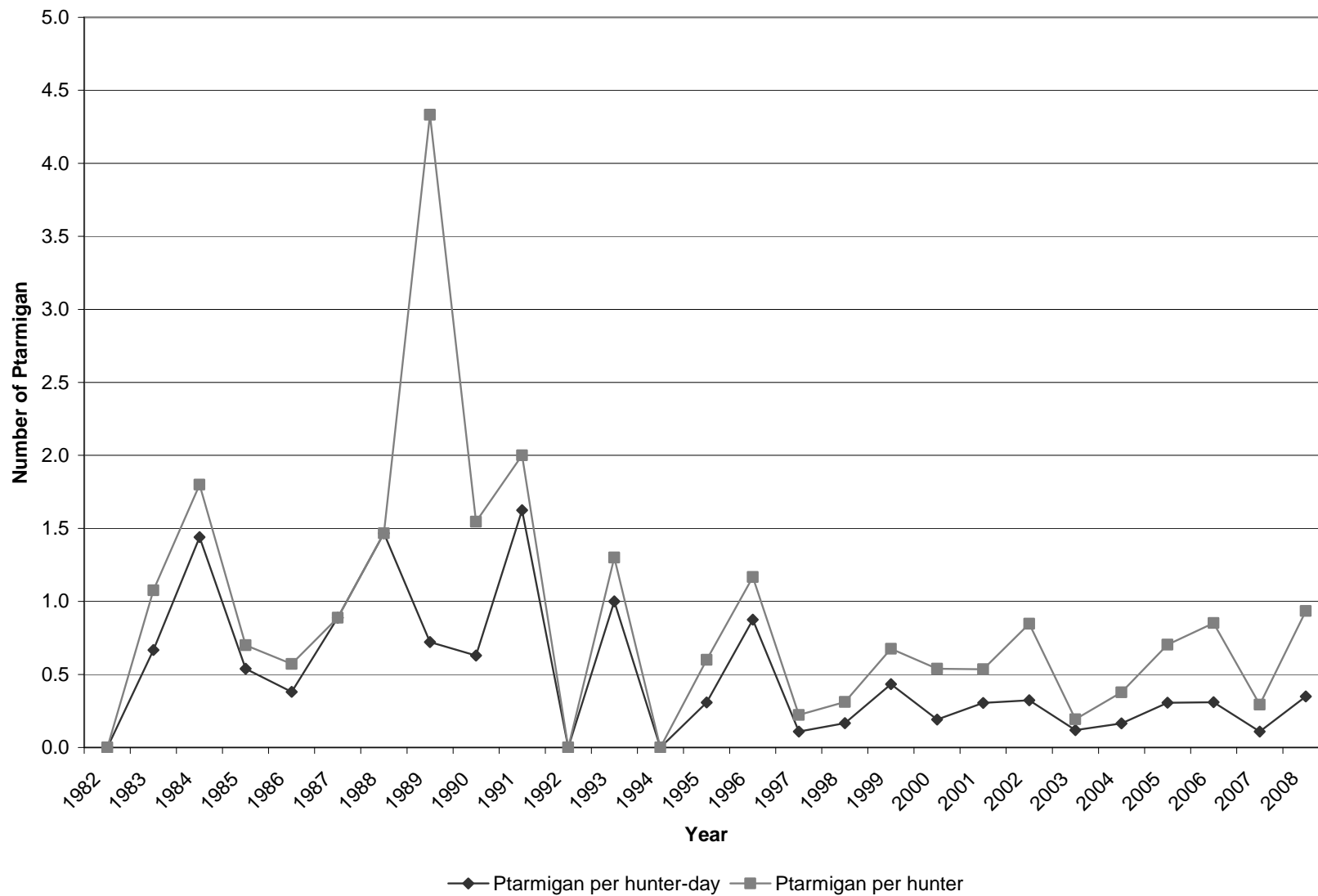
# WHITE-TAILED PTARMIGAN



Statewide trends of white-tailed ptarmigan harvest statistics, Utah 1982–2008.



Statewide trends of white-tailed ptarmigan hunter success, Utah 1982–2008.



White-tailed ptarmigan harvest statistics by region and county, Utah 2008.

Region and county	n	Hunters afield	Hunter-days afield	Ptarmigan bagged	Ptarmigan / hunter-day	% pressure	% harvest
Northern Region							
Box Elder	—	—	—	—	—	—	—
Cache	1	4	19	0	0.00	11.7	0.0
Davis	—	—	—	—	—	—	—
Morgan	—	—	—	—	—	—	—
Rich	—	—	—	—	—	—	—
Summit	6	23	49	8	0.16	30.1	14.0
Weber	—	—	—	—	—	—	—
Regional total	7	27	68	8	0.12	41.7	14.0
Central Region							
Juab	—	—	—	—	—	—	—
Salt Lake	—	—	—	—	—	—	—
Sanpete	—	—	—	—	—	—	—
Tooele	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—
Wasatch	1	4	11	0	0.00	6.7	0.0
Regional total	1	4	11	0	0.00	6.7	0.0
Southern Region							
Beaver	—	—	—	—	—	—	—
Garfield	1	4	11	0	0.00	6.7	0.0
Iron	—	—	—	—	—	—	—
Kane	—	—	—	—	—	—	—
Millard	—	—	—	—	—	—	—
Piute	—	—	—	—	—	—	—
Sevier	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—
Wayne	—	—	—	—	—	—	—
Regional total	1	4	11	0	0.00	6.7	0.0
Northeastern Region							
Daggett	2	8	11	30	2.73	6.7	52.6
Duchesne	2	8	11	0	0.00	6.7	0.0
Uintah	2	8	15	15	1.00	9.2	26.3
Regional total	6	24	37	45	1.22	22.7	78.9
Southeastern Region							
Carbon	—	—	—	—	—	—	—
Emery	—	—	—	—	—	—	—
Grand	—	—	—	—	—	—	—
San Juan	—	—	—	—	—	—	—
Regional total	—	—	—	—	—	—	—
Unknown	3	11	34	4	0.12	20.9	7.0
Statewide total**	16	61	163	57	0.35	100.0	100.0

\*White-tailed ptarmigan are only found in high elevation areas in Daggett, Duchesne, Summit, and Uintah counties; however, some hunters reported having hunted ptarmigan in other counties.

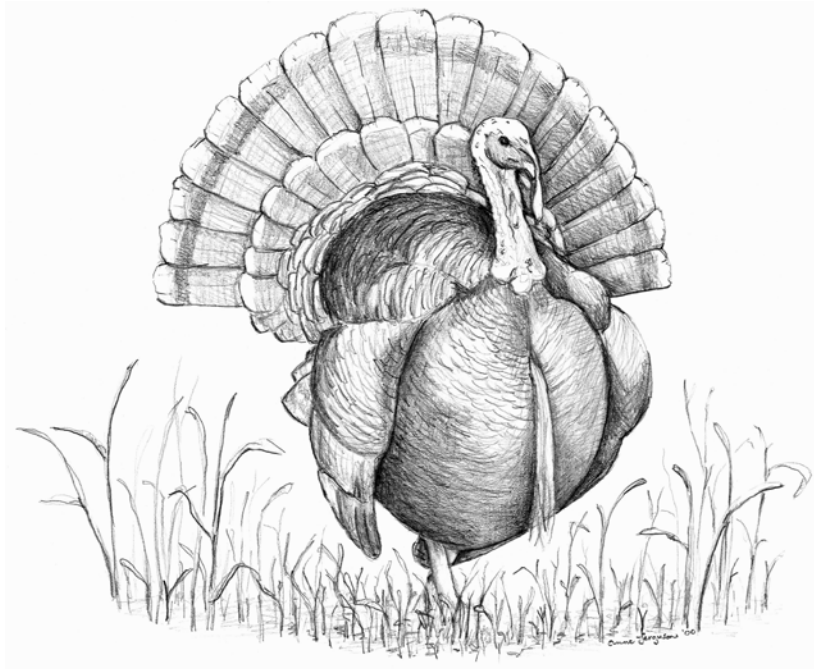
\*\*Statewide totals for sample size and hunters afield are not the total of the columns because hunters hunted multiple counties. Projection factor = 3.80; 304 permits sold; 80 (26%) permit holders surveyed.

Statewide white-tailed ptarmigan harvest statistics, Utah 1982–2008.

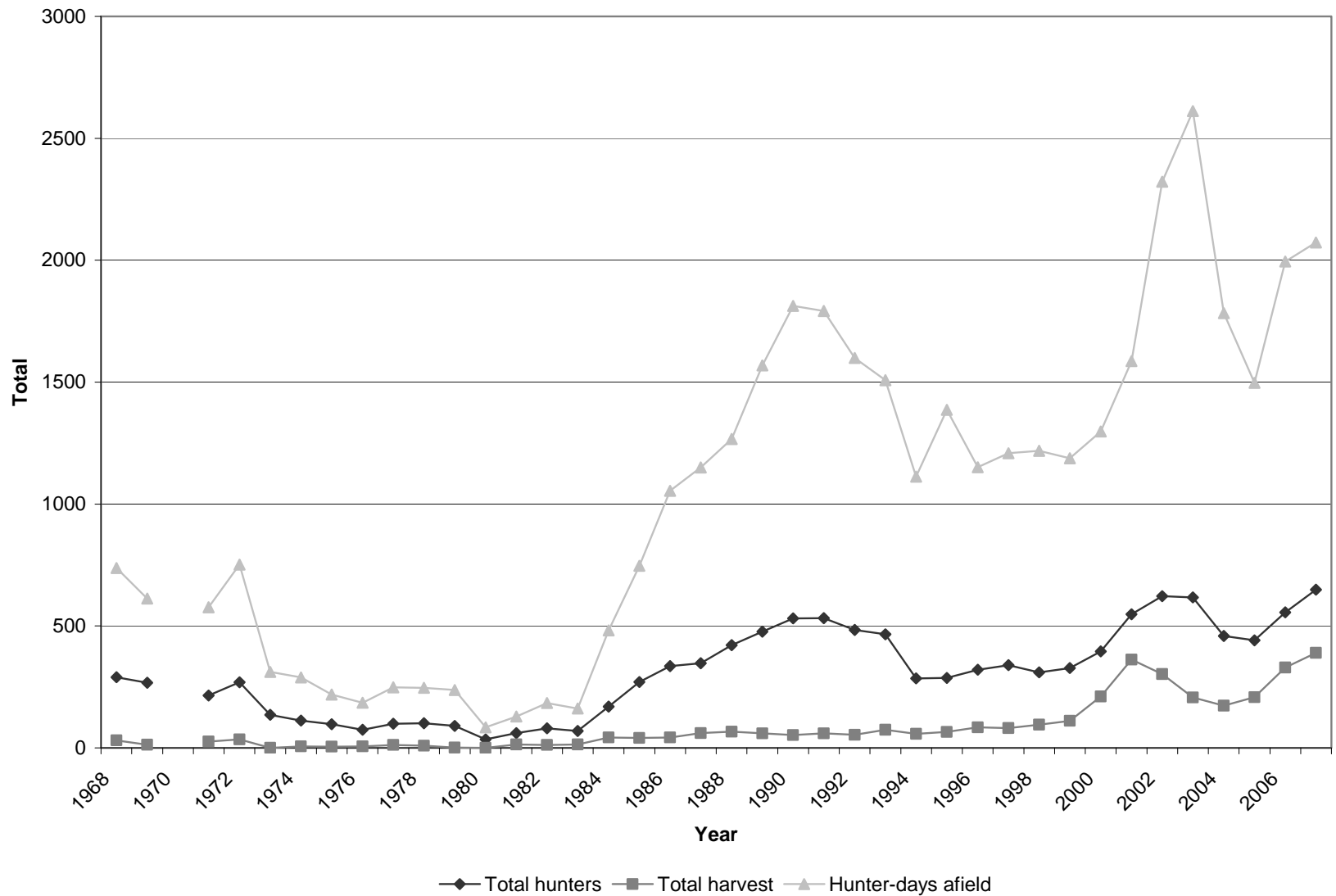
Year	Total hunters	Total harvest	Hunter-days afield	Ptarmigan / hunter-day	Ptarmigan / hunter
1982	21	0	33	0.00	0.00
1983	13	14	21	0.67	1.08
1984	20	36	25	1.44	1.80
1985	10	7	13	0.54	0.70
1986	14	8	21	0.38	0.57
1987	9	8	9	0.89	0.89
1988	15	22	15	1.47	1.47
1989	3	13	18	0.72	4.33
1990	11	17	27	0.63	1.55
1991	13	26	16	1.63	2.00
1992	11	0	17	0.00	0.00
1993	10	13	13	1.00	1.30
1994	4	0	6	0.00	0.00
1995	20	12	39	0.31	0.60
1996	12	14	16	0.88	1.17
1997	18	4	37	0.11	0.22
1998	45	14	84	0.17	0.31
1999	34	23	53	0.43	0.68
2000	65	35	183	0.19	0.54
2001	114	61	200	0.31	0.54
2002	59	50	155	0.32	0.85
2003	114	22	185	0.12	0.19
2004	61	23	139	0.17	0.38
2005	98	69	225	0.31	0.70
2006	61	52	168	0.31	0.85
2007	58	17	157	0.11	0.29
2008	61	57	163	0.35	0.93
Total (1982–2008)	974	617	2038	—	—
Average (1982–2007)	35	22	72	0.30	0.61
% change from previous year	5	235	4	223	219
% change from average	74	165	126	17	52



# WILD TURKEY



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

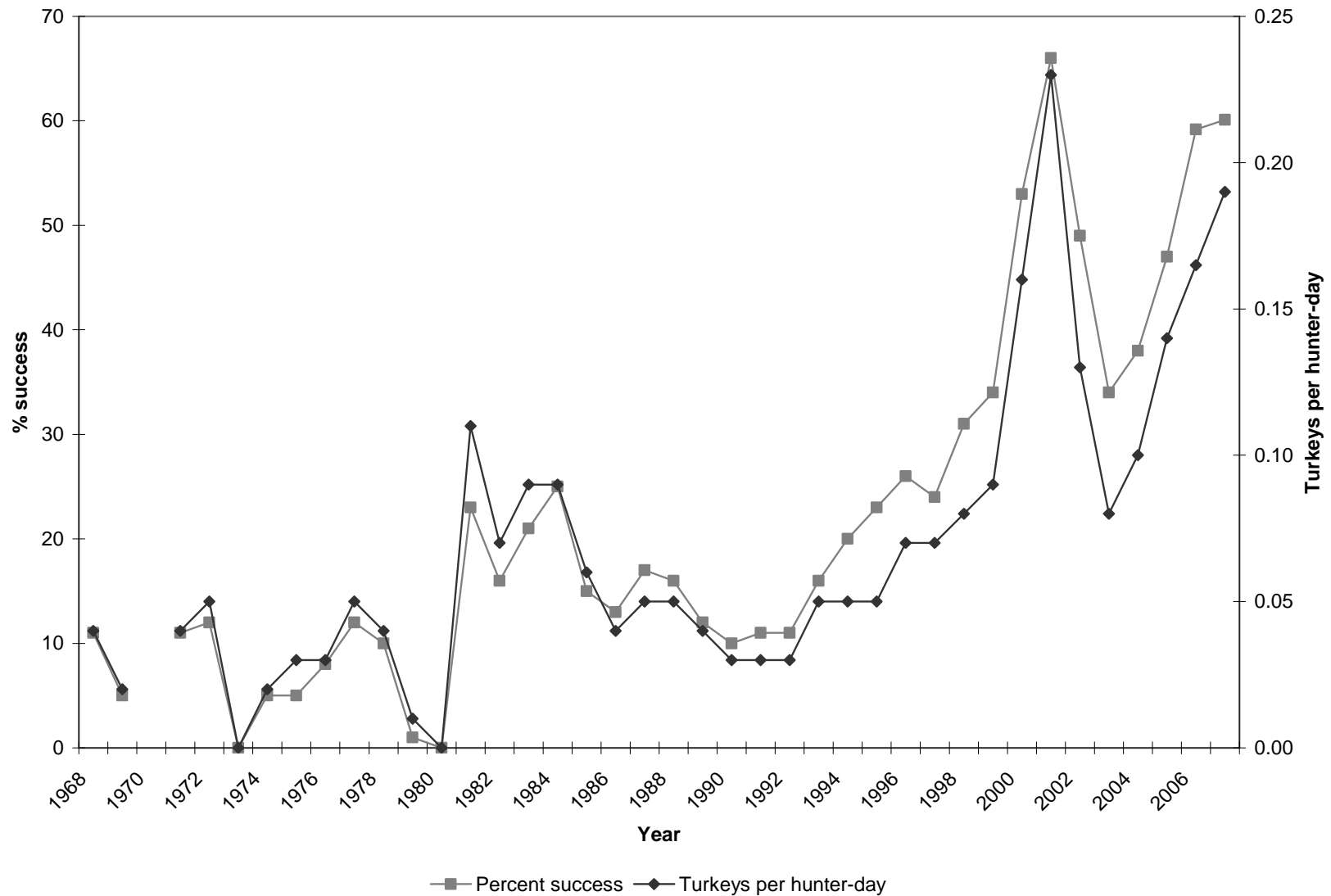


\*No spring season in 1970.

\*\*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	Total permits	Total hunters	Total harvest	Hunter-days afield	% success	Turkeys / hunter-day	% of hunters observing turkeys
1968	310	290	31	738	11	0.04	41
1969	276	267	13	612	5	0.02	22
1970	—	—	—	—	—	—	—
1971	223	215	26	576	11	0.04	38
1972	285	269	35	751	12	0.05	39
1973	150	135	0	311	0	0.00	10
1974	121	112	6	289	5	0.02	22
1975	103	97	5	219	5	0.03	29
1976	81	74	6	185	8	0.03	32
1977	108	99	12	248	12	0.05	39
1978	116	101	9	246	10	0.04	42
1979	113	90	1	237	1	0.01	8
1980	40	35	0	84	0	0.00	17
1981	83	60	14	129	23	0.11	53
1982	91	80	12	184	16	0.07	62
1983	92	69	14	161	21	0.09	55
1984	190	169	43	482	25	0.09	72
1985	314	270	41	747	15	0.06	52
1986	362	335	43	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.

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

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

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

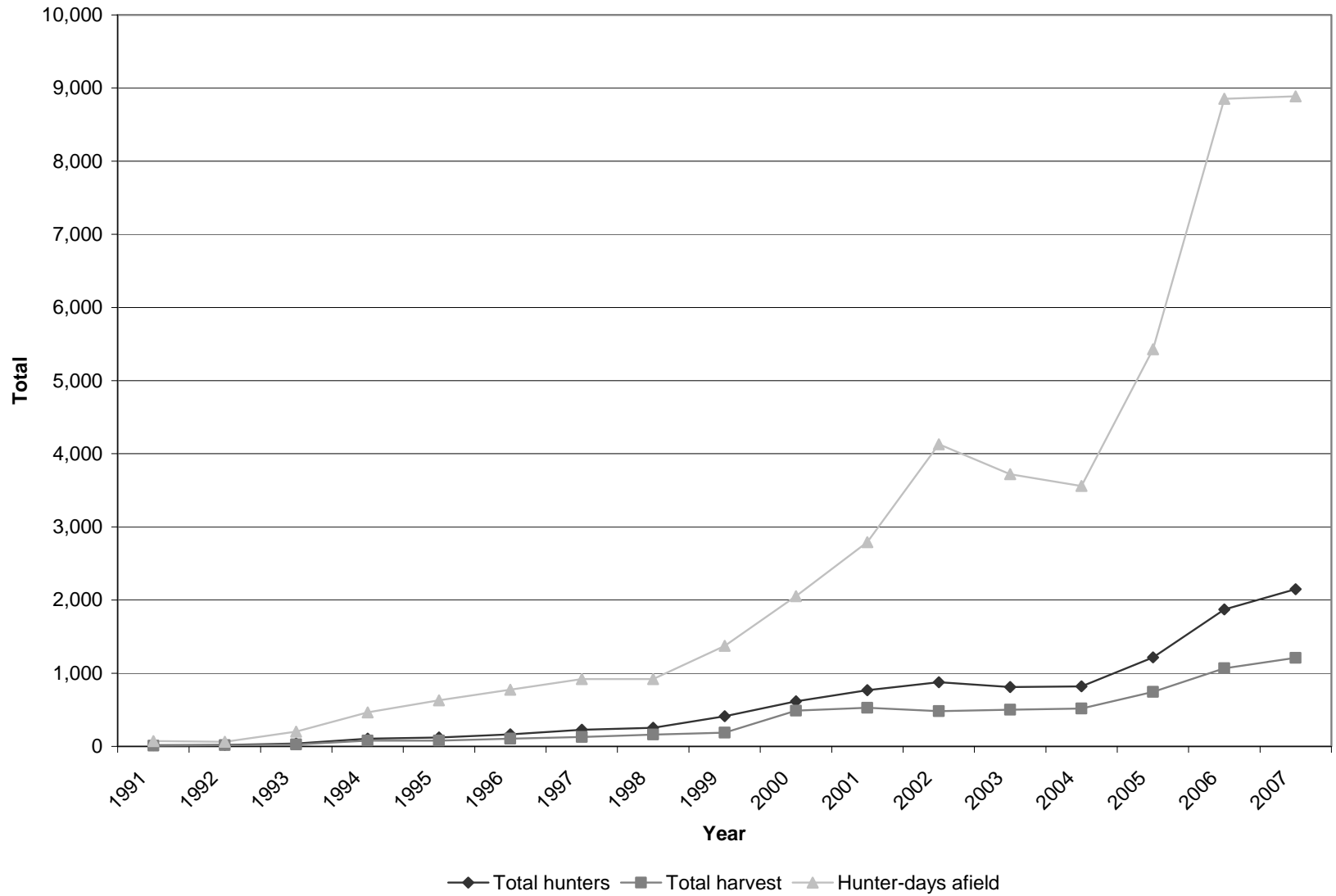
Year	Total permits	Total hunters	Total harvest	Hunter-days afield	% success	Turkeys / hunter-day	% of hunters observing turkeys
1993	500	466	74	1508	16	0.05	54
1994	335	285	57	1112	20	0.05	—
1995	335	287	65	1386	23	0.05	40
1996	355	320	84	1151	26	0.07	78
1997	362	339	81	1208	24	0.07	87
1998	358	309	95	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
Total (1968–2007)	13512	12180	3410	40375	—	—	—
Average (1968–2006)	337	303	79	1008	21	0.07	51
% change from previous year	13	17	19	4	2	15	0
% change from average	112	114	391	106	189	191	82

\*No spring season in 1970.

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

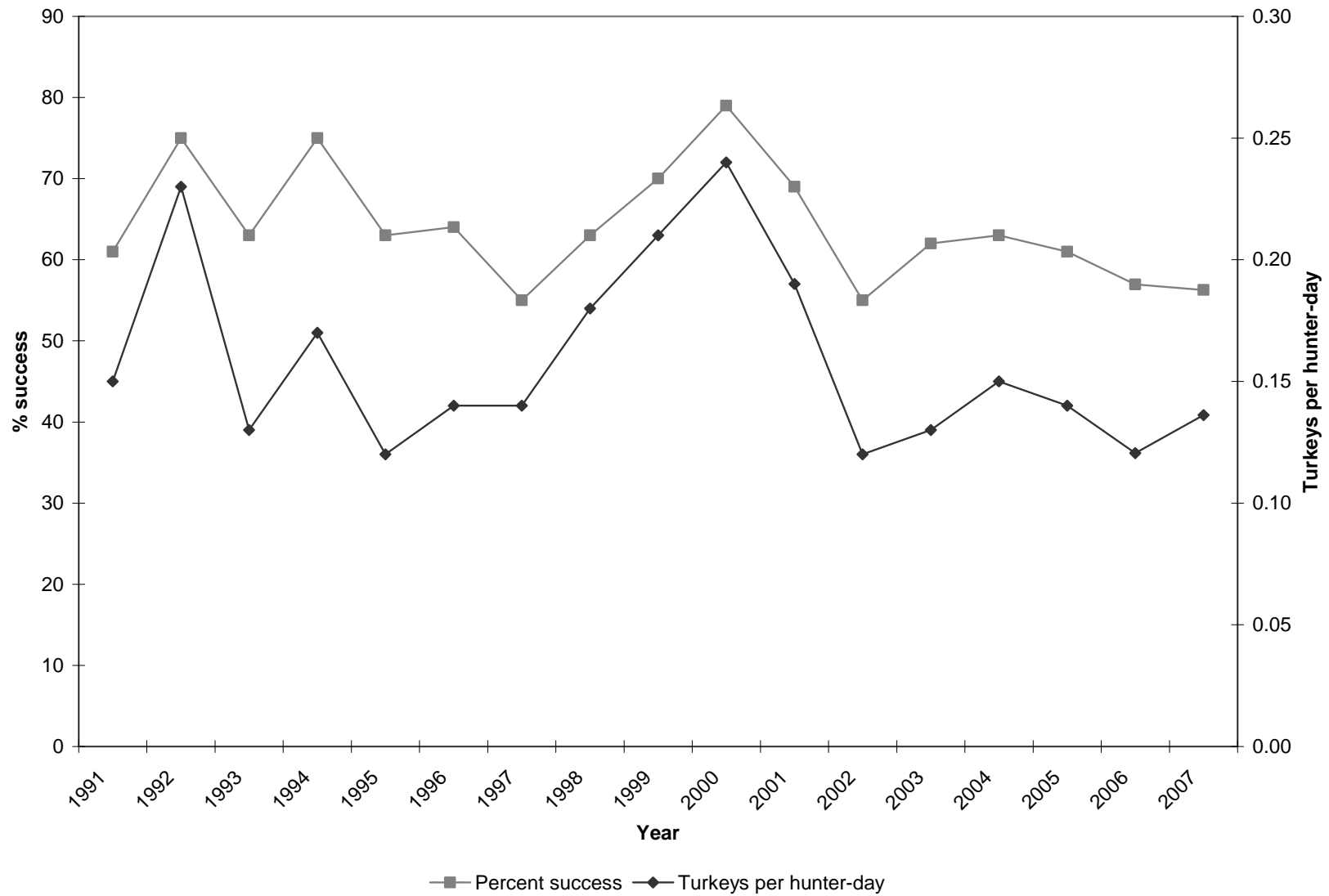
\*\*\*2005 data does not include conservation permit or landowner permit information.

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



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

Statewide trends of spring Rio Grande wild turkey hunter success, Utah 1991–2007.



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

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

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

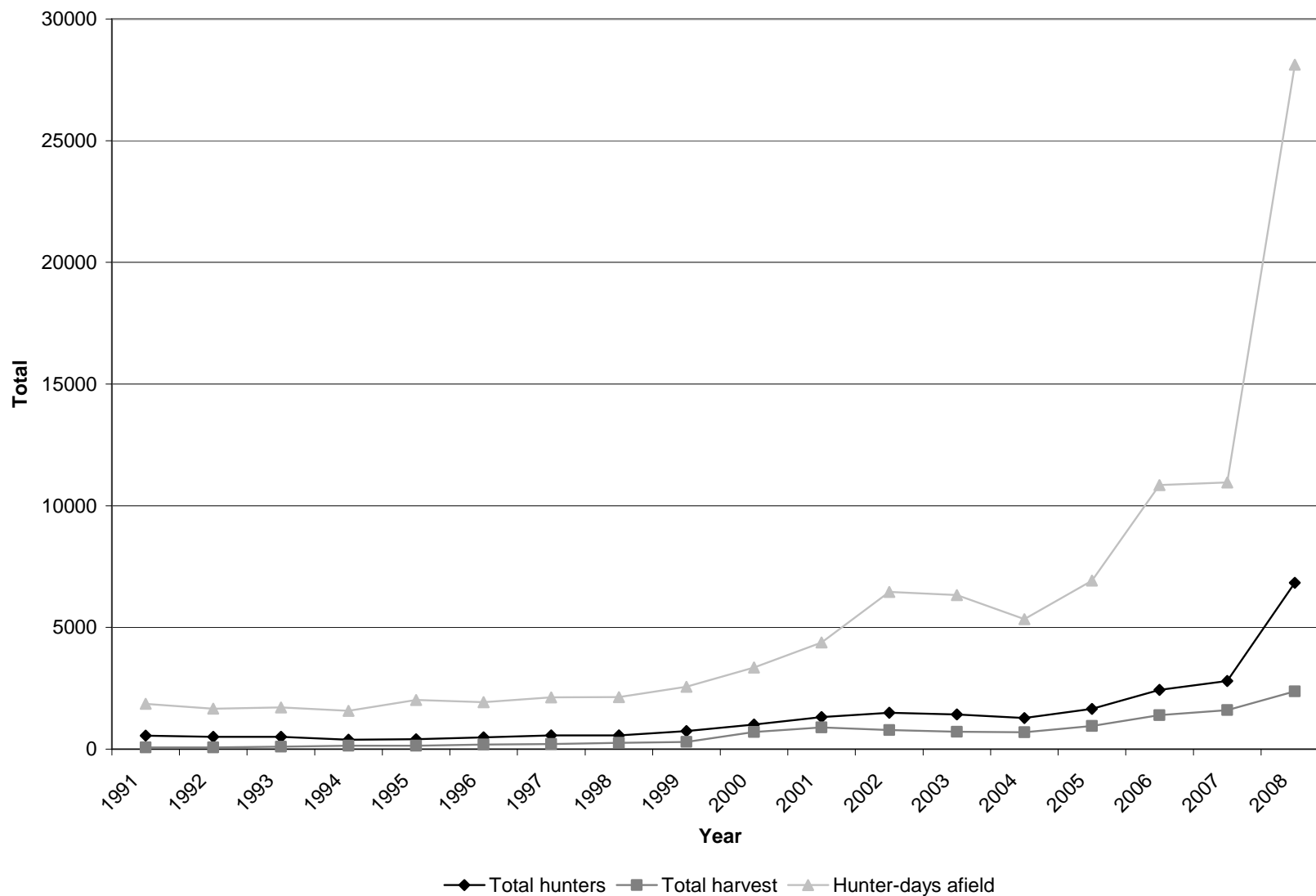
Year	Total permits	Total hunters	Total harvest	Hunter-days afield	% success	Turkeys / hunter-day	% of hunters observing Turkeys
1991	20	18	11	71	61	0.15	—
1992	21	20	15	64	75	0.23	—
1993	42	41	26	200	63	0.13	—
1994	105	105	79	464	75	0.17	—
1995	135	123	78	628	63	0.12	—
1996	174	166	107	776	64	0.14	88
1997	240	229	127	920	55	0.14	82
1998	263	254	161	919	63	0.18	57
1999	398	413	189	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
Total (1991–2007)	11310	10497	6333	44835	—	—	—
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.



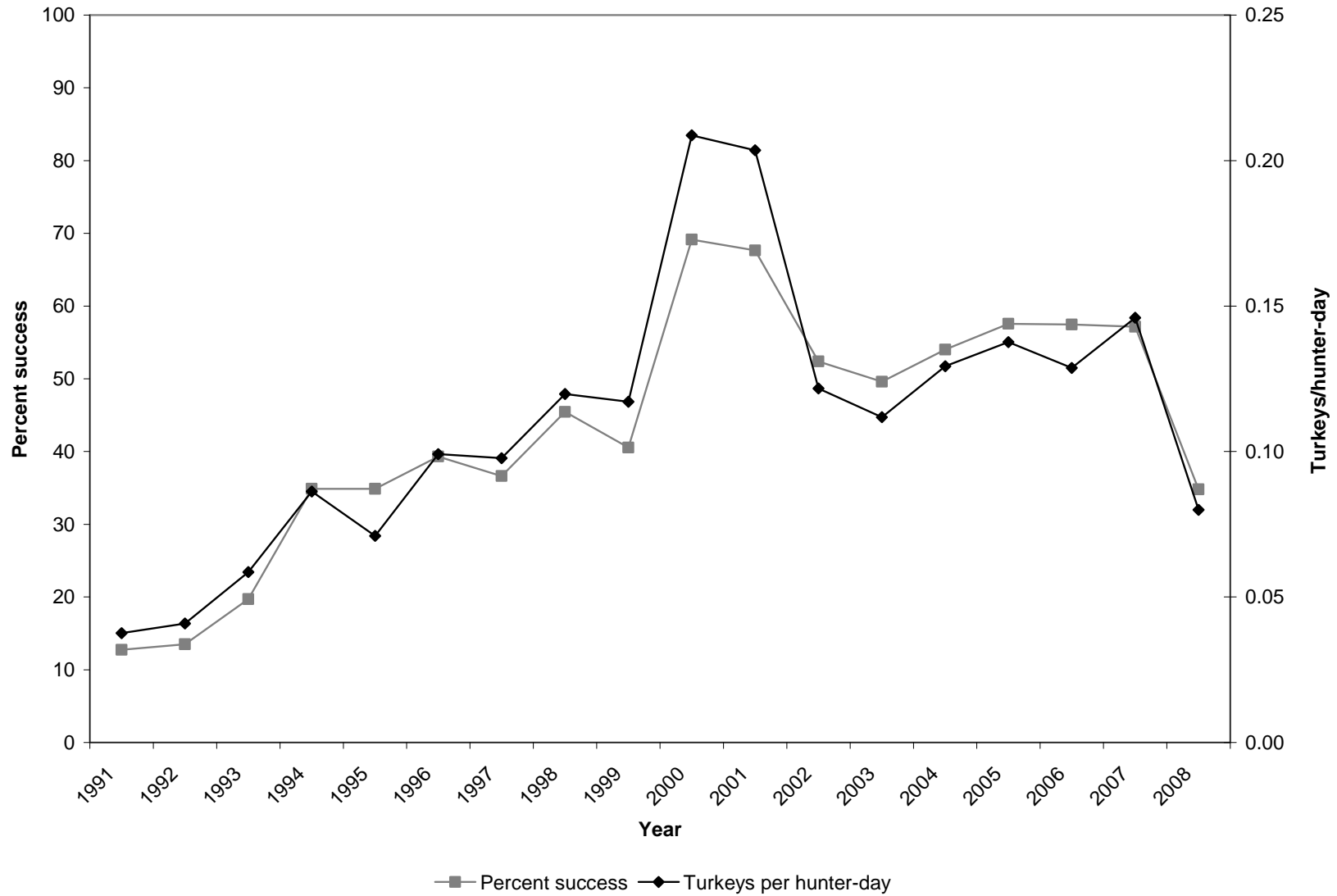
Statewide trends of spring wild turkey (Merriam's and Rio Grande) harvest statistics, Utah 1991–2008.



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

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

Statewide trends of spring wild turkey (Merriam's and Rio Grande) hunter success, Utah 1991–2008.



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

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

Statewide wild turkey harvest statistics, Utah 1991–2008.

Year	Total permits	Total hunters	Rio Grande turkey harvest	Merriam's turkey harvest	Unknown turkey harvest	Total harvest	Hunter-days afield	% success	Turkeys / hunter-day
1991	607	550	11	59	—	70	1863	13	0.04
1992	559	504	15	53	—	68	1663	13	0.04
1993	542	507	26	74	—	100	1708	20	0.06
1994	440	390	79	57	—	136	1576	35	0.09
1995	470	410	78	65	—	143	2014	35	0.07
1996	529	486	107	84	—	191	1927	39	0.10
1997	602	568	127	81	—	208	2128	37	0.10
1998	621	563	161	95	—	256	2137	45	0.12
1999	753	740	189	111	—	300	2561	41	0.12
2000	1062	1011	488	211	—	699	3349	69	0.21
2001	1381	1317	529	362	—	891	4377	68	0.20
2002*	1641	1498	482	303	—	785	6453	52	0.12
2003*	1528	1427	501	207	—	708	6331	50	0.11
2004*	1372	1279	518	173	—	691	5342	54	0.13
2005**	1996	1656	745	208	—	953	6925	58	0.14
2006	2664	2429	1067	329	—	1396	10846	57	0.13
2007	3017	2799	1210	390	—	1600	10960	57	0.15
2008***	7858	6831	1696	561	117	2374	28118	35	0.08
Total (1991–2008)	27642	24965	8029	3423	117	11569	100278	—	—
Average (1991–2007)	1164	1067	373	168	—	541	4245	44	0.11
% change from previous year	160	144	40	44	—	48	157	-39	-45
% change from average	575	540	355	233	—	339	562	-20	-29

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

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

\*\*\*In 2008, turkey hunters were no longer restricted to taking only one species (Rio Grande or Merriam's), so turkey harvest statistics beginning in 2008 are no longer split into separate tables by species. Historical Merriam's and Rio Grand turkey data have been combined into the table above, and percent success and turkeys/hunter-day recalculated.

Wild turkey harvest statistics by hunt unit, Utah 2008.

Hunt unit	n	Total permits	Hunters afield	Rio Grande turkey harvest	Merriam's turkey harvest	Unknown turkey harvest	Total harvest	Mean hunter-days afield	Success rate (%)
Beaver*	70	248	235	71	—	—	71	4.6	30.2
Book Cliffs	8	16	16	12	—	—	12	2.1	75.0
Cache*	91	278	263	112	—	—	112	4.6	42.6
Caineville/Henry Mountains	15	30	22	12	—	—	12	3.5	54.5
Central Mountains, East Manti	22	34	34	13	—	—	13	4.5	40.6
Central Mountains, Nebo*	91	313	282	72	—	—	72	4.6	25.5
Central Mountains, West Manti*	50	129	118	44	—	—	44	4.4	37.3
CENTRAL REGION	190	758	642	172	—	—	172	5.6	26.8
Central Region, West*	27	69	62	27	—	—	27	3.5	43.5
Chalk Creek*	38	109	93	15	—	—	15	3.3	16.1
Colorado River*	28	61	51	21	—	—	21	3.1	41.2
East Canyon*	38	80	66	24	—	—	24	3.8	36.4
Fillmore, Oak Creek*	55	139	117	18	—	—	18	3.6	15.4
Fillmore, Pahvant*	75	259	246	64	—	—	64	3.3	26.0
Green River*	44	83	65	23	—	—	23	4.0	35.4
Kaiparowits*	13	28	28	16	—	—	16	3.4	57.1
La Sal*	60	149	130	2	42	0	44	3.9	34.6

\*Includes conservation permits for that area.

Wild turkey harvest statistics by hunt unit, Utah 2008 (cont.).

Hunt unit	n	Total permits	Hunters afield	Rio Grande turkey harvest	Merriam's turkey harvest	Unknown turkey harvest	Total harvest	Mean hunter-days afield	Success rate (%)
Monroe Mountain*	21	37	31	11	—	—	11	4.4	35.5
Morgan-South Rich*	28	71	49	13	—	—	13	3.3	26.5
Mount Dutton*	30	65	47	26	—	—	26	3.1	55.3
Northeastern Region Private Lands*	114	433	357	155	—	—	155	3.8	43.4
Northeastern Region Public Lands*	28	62	56	25	—	—	25	3.5	44.6
NORTHERN REGION	154	614	530	76	—	—	76	4.6	14.3
Ogden, South*	39	102	88	18	—	—	18	4.0	20.5
Panguitch Lake*	24	45	41	17	—	—	17	3.7	41.5
Paunsaugunt*	42	107	102	59	—	—	59	2.8	57.8
Pine Valley*	91	310	292	180	—	—	180	3.1	61.6
Plateau, Boulder*	51	190	183	20	91	18	129	2.9	70.5
Plateau, Fish Lake*	24	45	37	11	—	—	11	3.5	29.7
Plateau, Thousand Lakes	6	8	8	5	—	—	5	2.6	62.5
San Juan*	103	373	320	35	119	19	173	3.8	54.1
SOUTHERN REGION	456	1823	1519	204	184	44	432	4.3	28.4
Wasatch Mountains*	104	397	365	99	—	—	99	4.2	27.1
Zion*	98	391	335	24	124	36	184	3.1	54.9
STATEWIDE TOTAL*	2330	7856	6826	1696	561	117	2374	4.1	34.8

\*Includes conservation permits for that area.

Limited entry wild turkey harvest statistics by hunt, Utah 2008.

Hunt name	Hunt number	n	Total permits	Hunters afield	Rio Grande turkey harvest	Merriam's turkey harvest	Unknown turkey harvest	Total harvest	Mean hunter-days afield	Success rate (%)
Beaver (A)	100/500	27	82	75	33	—	—	33	3.6	44.0
Beaver (B)	101/501	40	161	157	36	—	—	36	5.0	22.9
Book Cliffs, South	105/505	8	16	16	12	—	—	12	2.1	75.0
Cache (A)	106/506	32	89	84	46	—	—	46	3.6	54.8
Cache (B)	107/507	54	182	172	60	—	—	60	4.9	34.9
Caineville/Henry Mountains	108/508	15	30	22	12	—	—	12	3.5	54.5
Central Mountains, East Manti (A)	109/509	5	5	5	3	—	—	3	2.8	60.0
Central Mountains, East Manti (B)	110/510	5	10	10	2	—	—	2	6.4	20.0
Central Mountains, East Manti (C)	111/511	10	15	15	6	—	—	6	3.0	40.0
Central Mountains, Nebo (A)	112/512	36	104	93	44	—	—	44	4.1	47.3
Central Mountains, Nebo (B)	113/513	52	201	181	28	—	—	28	4.8	15.5
Central Mountains, West Manti (A)	114/514	11	23	23	17	—	—	17	3.5	73.9
Central Mountains, West Manti (B)	115/515	19	42	42	18	—	—	18	3.9	42.9
Central Mountains, West Manti (C)	116/516	20	62	53	9	—	—	9	5.2	17.0
Central Region, West (A)	117/517	6	20	20	12	—	—	12	2.7	60.0

Limited entry wild turkey harvest statistics by hunt, Utah 2008 (cont.).

Hunt name	Hunt number	n	Total permits	Hunters afield	Rio Grande turkey harvest	Merriam's turkey harvest	Unknown turkey harvest	Total harvest	Mean hunter-days afield	Success rate (%)
Central Region, West (B)	118/518	14	40	34	14	—	—	14	3.8	41.2
CENTRAL REGION—Region wide	119/519	190	758	642	172	—	—	172	5.6	26.8
Chalk Creek (A)	120/520	13	36	30	9	—	—	9	3.2	30.0
Chalk Creek (B)	121/521	24	72	63	6	—	—	6	3.4	9.5
Colorado River (A)	122/522	5	10	10	4	—	—	4	3.4	40.0
Colorado River (B)	123/523	10	20	18	8	—	—	8	2.9	44.4
Colorado River (C)	124/524	13	30	23	9	—	—	9	3.2	39.1
East Canyon (A)	125/525	12	26	18	8	—	—	8	2.9	44.4
East Canyon (B)	126/526	25	52	46	14	—	—	14	4.2	30.4
Fillmore, Oak Creek (A)	127/527	24	45	39	18	—	—	18	3.5	46.2
Fillmore, Oak Creek (B)	128/528	29	90	76	0	—	—	0	3.6	0.0
Fillmore, Pahvant (A)	129/529	29	84	82	33	—	—	33	3.1	40.2
Fillmore, Pahvant (B)	130/530	41	164	156	31	—	—	31	3.3	19.9
Green River (A)	131/531	8	15	15	10	—	—	10	2.6	66.7
Green River (B)	132/532	13	25	21	6	—	—	6	3.1	28.6
Green River (C)	133/533	21	40	26	4	—	—	4	5.5	15.4
Kaiparowits (A)	134/534	3	9	9	6	—	—	6	1.3	66.7

Limited entry wild turkey harvest statistics by hunt, Utah 2008 (cont.).

Hunt name	Hunt number	n	Total permits	Hunters afield	Rio Grande turkey harvest	Merriam's turkey harvest	Unknown turkey harvest	Total harvest	Mean hunter-days afield	Success rate (%)
Kaiparowits (B)	135/535	10	19	19	10	—	—	10	4.4	52.6
La Sal (A)	136/536	11	24	22	0	15	0	15	4.0	68.2
La Sal (B)	137/537	23	46	34	2	10	0	12	3.3	35.3
La Sal (C)	138/538	24	72	69	0	15	0	15	4.2	21.7
Monroe (A)	139/539	9	12	11	9	—	—	9	3.6	81.8
Monroe (B)	140/540	12	24	20	2	—	—	2	4.8	10.0
Morgan-South Rich (A)	141/541	6	21	14	4	—	—	4	2.5	28.6
Morgan-South Rich (B)	142/542	18	41	27	7	—	—	7	4.1	25.9
Mount Dutton (A)	143/543	8	21	16	8	—	—	8	3.4	50.0
Mount Dutton (B)	144/544	22	43	31	18	—	—	18	3.0	58.1
NORTHERN REGION— Region wide	145/545	154	614	530	76	—	—	76	4.6	14.3
Northeastern Region, Private Lands (A)	146/546	24	73	67	40	—	—	40	3.5	59.7
Northeastern Region, Private Lands (B)	147/547	36	146	129	48	—	—	48	3.3	37.2
Northeastern Region, Private Lands (C)	148/548	52	208	158	67	—	—	67	3.7	42.4
Northeastern Region, Public Lands (A)	149/549	7	15	13	13	—	—	13	3.6	100.0
Northeastern Region, Public Lands (B)	150/550	15	30	30	12	—	—	12	3.6	40.0



Limited entry wild turkey harvest statistics by hunt, Utah 2008 (cont.).

Hunt name	Hunt number	n	Total permits	Hunters afield	Rio Grande turkey harvest	Merriam's turkey harvest	Unknown turkey harvest	Total harvest	Mean hunter-days afield	Success rate (%)
Northeastern Region, Public Lands (C)	151/551	6	15	13	0	—	—	0	2.9	0.0
Ogden, South (A)	152/552	16	32	24	8	—	—	8	3.9	33.3
Ogden, South (B)	153/553	21	65	59	9	—	—	9	4.2	15.3
Panguitch Lake (A)	154/554	7	14	11	9	—	—	9	1.8	81.8
Panguitch Lake (B)	155/555	15	28	28	6	—	—	6	4.7	21.4
Paunsaugunt (A)	156/556	17	34	32	24	—	—	24	2.1	75.0
Paunsaugunt (B)	157/557	24	70	67	32	—	—	32	3.1	47.8
Pine Valley (A)	158/558	35	102	93	64	—	—	64	3.0	68.8
Pine Valley (B)	159/559	52	200	193	112	—	—	112	3.2	58.0
Plateau, Boulder (A)	160/560	20	62	59	16	19	6	41	2.1	69.5
Plateau, Boulder (B)	161/561	30	121	117	4	65	12	81	3.2	69.2
Plateau, Fishlake (A)	162/562	8	14	14	7	—	—	7	3.9	50.0
Plateau, Fishlake (B)	163/563	14	28	20	4	—	—	4	2.9	20.0
Plateau, Thousand Lakes (A)	164/564	1	3	3	3	—	—	3	2.0	100.0
Plateau, Thousand Lakes (B)	165/565	5	5	5	2	—	—	2	3.0	40.0
San Juan (A)	166/566	22	62	59	19	24	3	46	3.1	78.0
San Juan (B)	167/567	31	122	110	12	52	12	76	2.6	69.1
San Juan (C)	168/568	46	181	145	4	37	4	45	4.7	31.0

Limited entry wild turkey harvest statistics by hunt, Utah 2008 (cont.).

Hunt name	Hunt number	n	Total permits	Hunters afield	Rio Grande turkey harvest	Merriam's turkey harvest	Unknown turkey harvest	Total harvest	Mean hunter-days afield	Success rate (%)
SOUTHERN REGION—										
Region wide (excluding Beaver, West)	169/569	456	1823	1519	204	184	44	432	4.3	28.4
Wasatch Mountains (A)	170/570	32	130	122	45	—	—	45	3.3	36.9
Wasatch Mountains (B)	171/571	69	259	235	54	—	—	54	4.7	23.0
Zion (A)	172/572	32	128	112	12	49	24	85	2.6	75.9
Zion (B)	173/573	64	257	217	12	72	12	96	3.4	44.2

CWMU wild turkey harvest statistics by hunt, Utah 2008 (cont.).

CWMU name	Hunt unit	Hunt number	n	Total permits	Hunters afield	Rio Grande turkey harvest	Merriam's turkey harvest	Unknown turkey harvest	Total harvest	Mean hunter-days afield	Success rate (%)
Hiawatha	Central Mountains, East Manti	700	0	2	—	—	—	—	—	—	—
Broadmouth	Ogden	701	1	1	1	1	—	—	1	2.0	100.0
Heaston East	Central Region, West	702	3	4	4	0	—	—	0	4.8	0.0
Missouri Flat	Fillmore, Pahvant	703	3	5	2	0	—	—	0	5.0	0.0
Folley Ridge	Morgan-South Rich	704	4	8	8	2	—	—	2	2.0	25.0
Bar J Ranch	Plateau, Fishlake	705	2	3	3	0	—	—	0	5.7	0.0
Castle Valley Outdoors	Central Mountains, East Manti	706	2	2	2	2	0	0	2	11.0	100.0
Redd Ranches	La Sal	707	0	3	—	—	—	—	—	—	—

Mean number of wild turkeys observed while hunting, Utah 2008.

Hunt unit	n	Mean number of turkeys observed / hunter				% of hunters no bag
		Gobblers	Hens	Jakes	Unidentified	
Beaver*	70	4.8	8.7	3.5	6.4	64.3
Book Cliffs	8	8.7	17.6	3.7	4.6	25.0
Cache*	91	9.5	17.5	8.9	6.6	52.7
Caineville/Henry Mountains	15	8.7	20.6	8.0	11.3	33.3
Central Mountains, East Manti	22	4.1	10.3	7.4	3.0	54.5
Central Mountains, Nebo*	91	4.1	12.2	3.1	10.4	65.9
Central Mountains, West Manti*	50	5.1	14.1	6.6	6.4	54.0
CENTRAL REGION	190	5.3	12.0	5.7	7.7	62.1
Central Region, West*	27	6.2	11.1	5.0	3.5	51.9
Chalk Creek*	38	2.9	8.7	2.6	1.0	71.1
Colorado River*	28	12.3	10.5	6.2	8.2	50.0
East Canyon*	38	7.7	17.5	7.0	7.5	52.6
Fillmore, Oak Creek*	55	5.5	13.9	3.6	11.5	67.3
Fillmore, Pahvant*	75	5.3	13.3	4.5	7.2	68.0
Green River*	44	3.6	15.9	6.6	8.5	50.0
Kaiparowits*	13	10.6	19.6	8.8	0.0	46.2
La Sal*	60	4.3	11.4	5.8	19.2	53.3
Monroe Mountain*	21	6.7	14.9	3.5	2.3	47.6
Morgan-South Rich*	28	3.0	8.5	4.5	15.0	53.6
Mount Dutton*	30	7.2	18.7	3.5	17.3	33.3
Northeastern Region Private Lands*	114	7.4	12.7	7.0	7.2	46.5
Northeastern Region Public Lands*	28	3.9	8.6	4.0	3.3	50.0
NORTHERN REGION	154	6.8	12.1	5.2	9.1	74.0
Ogden, South*	39	9.6	16.6	5.4	14.8	64.1
Panguitch Lake*	24	5.2	6.8	8.3	1.5	54.2
Paunsaugunt*	42	6.7	18.1	7.2	5.0	38.1
Pine Valley*	91	8.3	16.8	7.0	9.2	35.2
Plateau, Boulder*	51	7.7	18.2	5.3	9.8	29.4
Plateau, Fish Lake*	24	7.7	12.5	7.7	6.0	58.3
Plateau, Thousand Lakes	6	5.3	15.3	15.5	20.0	50.0
San Juan*	103	10.0	19.9	6.6	7.1	37.9
SOUTHERN REGION	456	7.4	12.2	6.5	9.3	59.6
Wasatch Mountains*	104	6.1	15.2	5.2	5.8	67.3
Zion*	98	6.1	13.0	5.7	10.7	38.8
STATEWIDE TOTAL*	2330	6.8	13.7	6.0	8.5	55.5

\*Includes conservation permits for that area.

## **APPENDIX A**

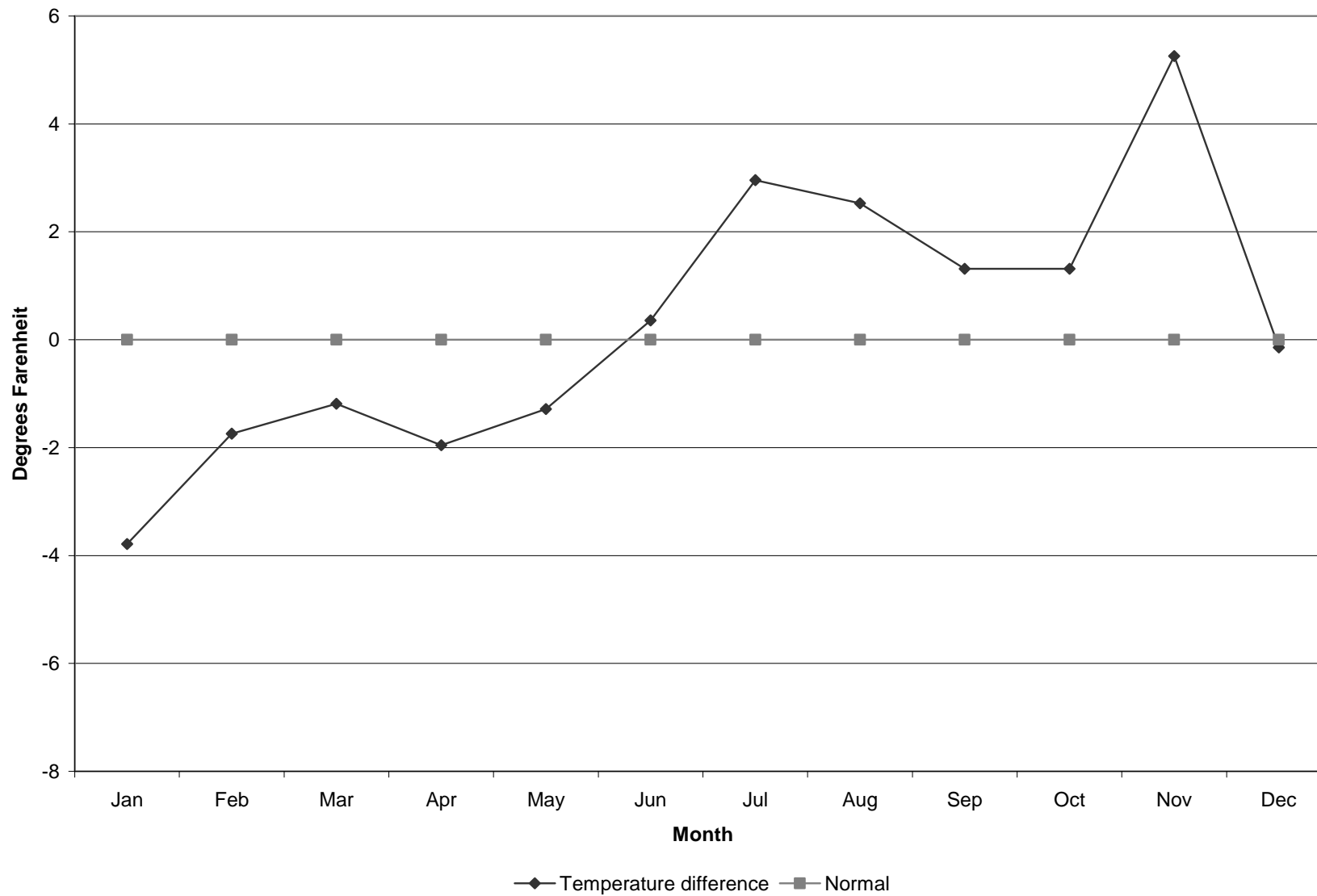
### **WEATHER CONDITIONS**

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

Comparison of monthly average temperatures (°F) to normal temperature by weather division, Utah 2008.

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
2008	24.9	32.5	39.9	44.7	55.4	67.2	77.2	74.0	62.6	49.5	40.9	27.3	49.7
Departure	-1.8	-0.1	-0.8	-2.9	-1.0	1.0	3.4	1.9	0.6	-0.1	4.3	-0.3	0.4
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
2008	38.5	43.4	51.6	57.5	65.0	75.9	84.9	83.6	76.3	61.8	52.6	38.2	60.8
Departure	-0.9	-1.1	1.5	0.6	-0.9	0.0	3.3	3.8	4.0	1.1	5.4	-1.5	1.3
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
2008	23.6	30.5	38.1	44.7	55.8	66.6	77.2	74.5	63.9	52.0	42.6	29.0	49.9
Departure	-2.9	-1.1	-2.2	-2.9	-0.8	0.3	3.3	2.2	1.5	1.6	5.4	1.0	0.5
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
2008	24.1	31.0	38.7	44.3	52.3	64.6	72.6	71.1	61.4	50.6	41.5	26.9	48.3
Departure	-2.7	-0.6	0.5	-0.3	-1.2	1.5	2.8	3.2	1.7	2.3	5.5	-1.1	1.0
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
2008	17.5	24.2	30.5	37.1	48.4	58.1	68.3	66.5	55.9	46.3	37.8	24.5	42.9
Departure	-3.8	-0.7	-2.3	-3.3	-1.0	-0.2	3.2	2.8	0.9	2.1	6.5	2.0	0.5
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
2008	6.9	17.4	33.0	43.4	53.9	64.6	73.7	71.1	59.5	48.7	37.9	20.6	44.2
Departure	11.1	-7.0	-4.5	-3.1	-2.0	-0.6	2.1	1.5	-0.7	0.9	5.1	-0.4	-1.6
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
2008	24.7	33.1	42.6	48.9	58.0	71.0	79.1	76.7	66.6	54.3	43.7	29.1	52.3
Departure	-3.3	-1.6	-0.5	-1.8	-2.1	0.5	2.6	2.3	1.2	1.3	4.6	-0.7	0.2
State averages													
Normal	26.7	32.0	40.4	47.8	56.8	66.5	73.2	71.4	62.4	50.6	37.2	28.1	49.4
2008	22.9	30.3	39.2	45.8	55.5	66.9	76.1	73.9	63.7	51.9	42.4	27.9	49.7
Departure	-3.8	-1.7	-1.2	-2.0	-1.3	0.4	3.0	2.5	1.3	1.3	5.3	-0.1	0.3

Temperature (°F) departure from normal, Utah 2008.

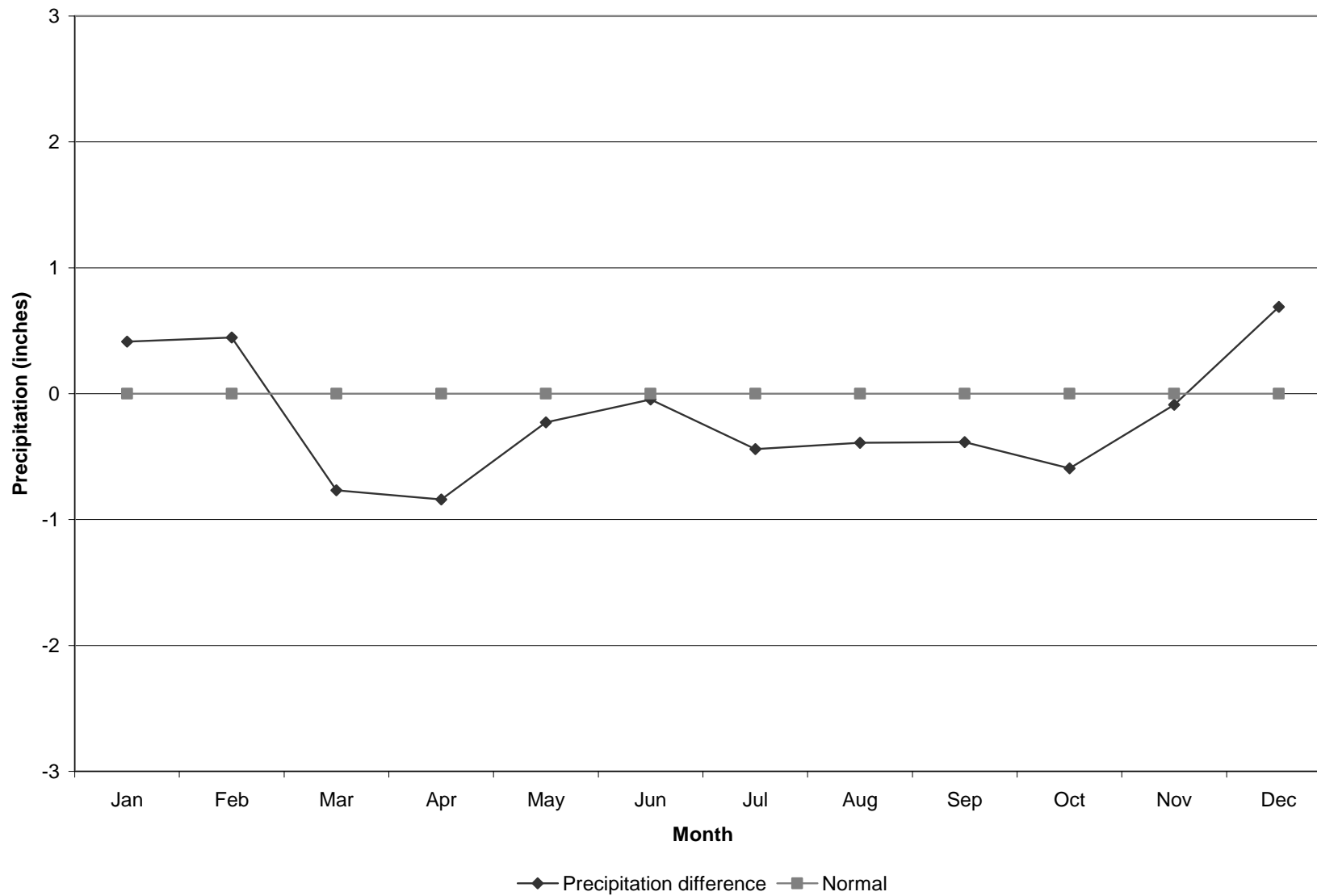


Comparison of monthly average precipitation (inches) to normal precipitation by weather division, Utah 2008.

Weather Division	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
No.1 Western													
Normal	0.64	0.65	0.92	0.87	1.12	0.61	0.70	0.78	0.80	0.96	0.65	0.48	9.18
2008	0.57	0.60	0.39	0.08	0.60	0.46	0.20	0.26	0.40	0.64	0.66	0.70	5.56
Departure	-0.07	-0.05	-0.53	-0.79	-0.52	-0.15	-0.50	-0.52	-0.40	-0.32	0.01	0.22	-3.62
No.2 Dixie													
Normal	1.58	1.59	1.95	0.87	0.68	0.33	0.90	1.14	0.89	1.01	1.09	0.84	12.87
2008	1.86	2.15	0.18	0.01	0.45	0.13	1.04	0.58	0.06	0.58	1.47	2.35	10.86
Departure	0.28	0.56	-1.77	-0.86	-0.23	-0.20	-0.50	-0.52	-0.40	-0.32	0.01	0.22	-3.62
No.3 North Central													
Normal	1.59	1.58	1.88	1.90	2.15	1.06	0.89	0.97	1.42	1.81	1.54	1.37	18.16
2008	1.60	1.71	0.89	0.59	1.87	0.83	0.15	0.48	1.05	1.18	1.46	1.71	13.52
Departure	0.01	0.13	-0.99	-1.31	-0.28	-0.23	-0.74	-0.49	-0.37	-0.63	-0.08	0.34	-4.64
No.4 South Central													
Normal	1.17	1.21	1.43	1.07	1.09	0.59	1.00	1.35	1.17	1.34	1.07	0.87	13.36
2008	1.82	1.50	0.51	0.17	1.05	0.61	0.77	0.86	0.44	0.75	0.91	1.88	11.27
Departure	0.65	0.29	-0.92	-0.90	-0.04	0.02	-0.23	-0.49	-0.73	-0.59	-0.16	1.01	-2.09
No.5 Northern Mountains													
Normal	2.03	1.85	1.99	1.90	2.01	1.12	1.07	1.15	1.56	1.86	1.86	1.72	20.12
2008	3.83	3.14	1.55	0.73	1.90	0.92	0.27	0.61	1.79	0.98	1.33	2.23	19.28
Departure	1.80	1.29	-0.44	-1.17	-0.11	-0.20	-0.80	-0.54	0.23	-0.88	-0.53	0.51	-0.84
No.6 Uintah Basin													
Normal	0.52	0.48	0.63	0.79	0.98	0.57	0.74	0.82	0.92	1.08	0.54	0.42	8.49
2008	0.47	0.98	0.61	0.32	0.66	0.92	0.30	0.56	0.95	0.55	0.37	0.82	7.51
Departure	-0.05	0.50	-0.02	-0.47	-0.32	0.35	-0.44	-0.26	0.03	-0.53	-0.17	0.40	-0.98
No.7 Southeast													
Normal	0.84	0.67	0.87	0.71	0.77	0.40	0.92	0.97	0.97	1.28	0.80	0.63	9.83
2008	1.12	1.07	0.17	0.33	0.67	0.49	0.41	1.10	0.35	0.50	0.73	1.46	8.40
Departure	0.28	0.40	-0.70	-0.38	-0.10	0.09	-0.51	0.13	-0.62	-0.78	-0.07	0.83	-1.43
State averages													
Normal	1.20	1.15	1.38	1.16	1.26	0.67	0.89	1.03	1.10	1.33	1.08	0.90	13.14
2008	1.61	1.59	0.61	0.32	1.03	0.62	0.45	0.64	0.72	0.74	0.99	1.59	10.91
Departure	0.41	0.45	-0.77	-0.84	-0.23	-0.05	-0.44	-0.39	-0.38	-0.59	-0.09	0.69	-2.23



Precipitation (inches) departure from normal, Utah 2008.



## **APPENDIX B**

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

Upland game harvest mail questionnaire returns, Utah 1962–2000.

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

Upland game survey type and sample size, Utah 2001–2008.

Year	Survey type	Sample size	Total permits	% of permittees who did not hunt
2001	Telephone	2,500	83,883	43.6
2002	Telephone	2,501	79,036	40.9
2003	Telephone	2,500	77,058	35.3
2004	Telephone	2,500	77,160	42.2
2005	Telephone	2,500	76,491	33.6
2006	Telephone	2,501	82,639	50.5
2007*	Telephone	4,978	124,349	75.5
2008	Internet Telephone	14,324	182,846	76.7

\*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 1971–2008.

Year	License fee (\$)					Licenses sold					Utah population	% purchasing a license
	JSG	RSG	CMB	NRSG	NRCMB	JSG	RSG	CMB	NRSG	NRCMB		
1971	2.50	4.50	10.00	20.00	—	16,044	20,681	102,284	1,000	—	1,101,000	12.6
1972	2.50	4.50	10.00	20.00	—	16,523	19,796	107,414	4,075	—	1,135,000	12.7
1973	2.50	4.50	10.00	20.00	—	16,522	18,836	115,436	964	—	1,169,000	12.9
1974	2.50	4.50	10.00	20.00	—	16,334	17,434	117,770	974	—	1,197,000	12.7
1975	2.50	4.50	10.00	20.00	—	15,869	17,057	115,362	967	—	1,234,000	12.0
1976	3.00	6.00	18.00	20.00	—	16,261	33,078	76,587	1,141	—	1,272,000	9.9
1977	3.00	6.00	18.00	20.00	—	15,795	36,473	74,600	1,270	—	1,316,000	9.6
1978	3.00	6.00	18.00	20.00	—	15,419	37,082	81,227	1,449	—	1,364,000	9.8
1979	3.00	6.00	18.00	20.00	—	14,200	36,721	84,450	1,575	—	1,416,000	9.6
1980	4.00	8.00	23.00	30.00	—	14,042	30,189	100,177	1,330	—	1,461,037	9.9
1981	4.00	8.00	23.00	30.00	—	13,874	37,804	83,486	1,559	—	1,524,830	8.9
1982	4.00	8.00	23.00	30.00	—	14,040	36,850	82,970	1,637	—	1,588,622	8.4
1983	4.00	8.00	23.00	30.00	—	13,814	39,602	73,529	1,685	—	1,652,415	7.7
1984	4.00	8.00	23.00	30.00	—	13,170	36,070	73,081	1,633	—	1,716,207	7.1
1985	6.00	12.00	35.00	40.00	—	12,987	30,102	82,137	1,500	—	1,780,000	7.0
1986	6.00	12.00	35.00	40.00	—	11,946	39,567	67,435	1,274	—	1,665,000	7.1
1987	6.00	12.00	35.00	40.00	—	11,228	26,781	66,715	1,235	—	1,678,000	6.2
1988	6.00	12.00	35.00	40.00	—	9,498	25,733	72,846	1,428	—	1,695,000	6.4
1989	6.00	12.00	35.00	40.00	—	5,769	25,845	74,274	1,422	—	1,715,000	6.2
1990	6.00	12.00	35.00	40.00	—	5,682	24,527	76,292	1,279	—	1,722,850	6.2
1991	6.00	12.00	35.00	40.00	—	5,626	23,276	79,165	1,212	—	1,774,241	6.1
1992	6.00	12.00	35.00	40.00	—	5,431	21,852	78,940	1,195	—	1,820,453	5.8
1993	6.00	12.00	25.00	40.00	—	4,887	20,899	78,030	1,150	—	1,866,000	5.6
1994	6.00	12.00	25.00	40.00	—	4,551	25,792	59,854	1,223	—	1,916,000	4.7
1995	6.00	12.00	25.00	40.00	—	4,403	24,219	66,607	1,379	—	1,959,000	4.9
1996	6.00	12.00	25.00	40.00	—	3,584	23,908	65,003	1,503	—	2,002,359	4.6
1997	6.00	12.00	25.00	40.00	—	3,674	22,980	63,513	1,563	—	2,048,753	4.4
1998	6.00	12.00	25.00	40.00	—	3,529	22,671	63,648	1,618	—	2,082,502	4.3
1999	7.00	13.00	28.00	41.00	—	3,654	23,109	65,193	1,651	—	2,121,053	4.3
2000	7.00	13.00	28.00	41.00	—	3,521	23,316	59,794	1,212	—	2,246,553	3.9
2001	11.00	17.00	32.00	45.00	—	3,369	20,617	58,880	1,017	—	2,305,652	3.6
2002	11.00	17.00	32.00	45.00	—	3,063	19,415	55,425	1,133	—	2,358,330	3.3
2003	11.00	17.00	32.00	45.00	—	3,150	19,045	53,778	1,085	—	2,413,618	3.1
2004	11.00	17.00	34.00	45.00	—	3,092	19,114	53,743	1,211	—	2,469,230	3.1
2005	11.00	17.00	34.00	45.00	—	2,956	18,440	53,829	1,266	—	2,547,389	3.0
2006	11.00	17.00	34.00	45.00	—	3,875	17,269	60,264	1,231	—	2,615,129	3.1
2007*	11.00	26.00	30.00	65.00	80.00	2,805	15,304	100,943	5,297	697	2,699,554	3.8
2008	11.00	26.00	30.00	65.00	80.00	3,463	9,888	139,524	24,882	5,089	2,757,779	5.5

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

\*As of July 1, 2007, the 365-day small game license was renamed a basic Hunting License.

## **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 2008 (Utah Upland Game Proclamation 2008–2009).

#### Band-tailed pigeon

- Season dates: September 1–September 30, 2008
- Areas open: Beaver, Garfield, Grand, Iron, Kane, Millard, Piute, San Juan, Sanpete, Sevier, Utah, Washington and Wayne counties
- Bag limit: 5, Possession limit: 2 bag limits
- Footnotes: Band-tailed pigeon permit required.

#### Chukar partridge

- Season dates: September 27, 2008–February 15, 2009
- Areas open: Statewide except closed areas
- Bag limit: 5, Possession limit: 2 bag limits
- Footnotes: Antelope Island is closed to upland game hunting.

#### Cottontail rabbit

- Season dates: September 13, 2008–February 28, 2009
- Areas open: Statewide, except closed areas
- Bag limit: 10, Possession limit: 2 bag limits

#### Eurasian collared-dove

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

#### Forest-grouse (Blue and ruffed)

- Season dates: September 13–December 31, 2008
- Areas open: Statewide except closed areas
- Bag limit: 4, Possession limit: 2 bag limits
- Footnotes: Limits singly or in the aggregate.

#### Hungarian partridge (General season)

- Season dates: September 27, 2008–February 15, 2009
- Areas open: Statewide, except closed areas
- Bag limit: 5, Possession limit: 2 bag limits

#### Jackrabbit (white-tailed and black-tailed)

- Areas open: Jackrabbits are not protected in Utah. They may be hunted without a license, year-round.



## Upland game season dates, bag and possession limits, and areas open, Utah 2008 (cont.).

### Mourning dove and white-winged dove

- Season dates: September 1–September 30, 2008
- Areas open: Statewide, except closed areas
- Bag limit: 10, Possession limit: 2 bag limits
- Footnotes: Eurasian collared-doves should remain fully feathered so they can be distinguished from mourning and white-winged doves.

### Pheasant (General season)

- Season dates: November 1–November 16, 2008
- Areas open: Statewide, except closed areas. The following areas will be closed to general public hunting on Saturday, Nov. 8 to facilitate youth hunts: Box Elder County, the Douglas/Sorensen walk-in access area; Duchesne County, the Mallard Springs WMA; Emery County, the Huntington WMA; Tooele County, the Carr Fork WMA; Millard County, the Pahvant WMA. These areas will reopen to general public hunting on Nov. 9.
- Bag limit: 2, Possession limit: 2 bag limits
- 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.

### Pheasant (Extended season)

- Season dates: November 1–December 7, 2008
- 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). Also, see above closures for youth hunts on Nov. 8.
- Bag limit: 2, Possession limit: 2 bag limits
- Footnotes: Only males may be harvested. No 8 a.m. restriction on opening morning.

### Quail (California and Gambel's)

- Season dates: November 1–November 16, 2008
- Areas open: Box Elder, Carbon, Davis, Grand, Juab, Kane, Millard, Piute, Salt Lake, San Juan, Sanpete, Sevier, Tooele, Utah and Weber counties. All of Emery County except the Desert Lake WMA, which is closed. Also, see closures for youth hunts listed under general pheasant hunt.
- Bag limit: 5, Possession limit: 2 bag limits
- Footnotes: No 8 a.m. restriction on opening morning.

### Quail (California and Gambel's—extended season)

- Season dates: November 1–December 31, 2008
- Areas open: Duchesne, Uintah, Daggett and Washington counties. Also see closures for youth hunts listed above under general pheasant hunt.
- Bag limit: 5, Possession limit: 2 bag limits
- Footnotes: No 8 a.m. restriction on opening morning.

Upland game season dates, bag and possession limits, and areas open, Utah 2008 (cont.).

Quail (Scaled)

- Season dates: Closed
- Bag limit: Closed

Sage-grouse (West Box Elder County)

- Season dates: September 27–October 12, 2008
- Areas open: Hunt #001 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 410 two-bird permits available.

Sage-grouse (Rich County)

- Season dates: September 27–October 12, 2008
- Areas open: Hunt #002 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 240 two-bird permits available.

Sage-grouse (Diamond/Blue Mtn.)

- Season dates: September 27–October 12, 2008
- Areas open: Hunt #003 Diamond / Blue Mtn.—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 100 two-bird permits available.

Sage-grouse (Parker Mountain)

- Season dates: September 27–October 12, 2008
- Areas open: Hunt #004 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 370 two-bird permits available.

Upland game season dates, bag and possession limits, and areas open, Utah 2008 (cont.).

Sandhill crane (Rich County)

- Season dates: September 6–September 14, 2008
- Areas open: Hunt #001 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. 40 permits available.

Sandhill crane (Box Elder County)

- Season dates: September 6–September 14, 2008
- Areas open: Hunt #002 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 40 permits available.

Sandhill crane (Cache County)

- Season dates: September 6–September 14, 2008
- Areas open: Hunt #003 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.

Sandhill crane (Uintah County)

- Season dates: September 20–September 28, 2008
- Areas open: Hunt #004 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 88 permits available.

Upland game season dates, bag and possession limits, and areas open, Utah 2008 (cont.).

Sharp-tailed grouse (Box Elder County)

- Season dates: September 27–October 12, 2008
- Areas open: Hunt #111 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 270 two-bird permits available.

Sharp-tailed grouse (Cache County)

- Season dates: September 27–October 12, 2008
- Areas open: Hunt #112 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 60 two-bird permits available.

Snowshoe hare

- Season dates: September 13, 2008–February 28, 2009
- Areas open: Statewide, except closed areas
- Bag limit: 5, Possession limit: 2 bag limits

White-tailed ptarmigan

- Season dates: August 23–October 19, 2008
- Areas open: Daggett, Duchesne, Summit and Uintah counties
- Bag limit: 4, Possession limit: 2 bag limits
- Footnotes: White-tailed ptarmigan permit required.

Limited entry wild turkey permit numbers, season dates, and open areas, Utah 2008 (Turkey Proclamation 2008).

Hunt name	Region	Season dates	Public permits	Hunt number	Landowner permits	Hunt number	Total permits (2008)
Beaver (A)	SR	04/12–04/20	64	100	16	500	80
Beaver (B)	SR	04/21–05/04	128	101	32	501	160
Beaver, West (A) (closed due to Milford Flat Fire)	SR	04/12–04/20	0	102	0	502	0
Beaver, West (B) (closed due to Milford Flat Fire)	SR	04/21–05/04	0	103	0	503	0
Beaver, West (C) (closed due to Milford Flat Fire)	SR	05/05–05/31	0	104	0	504	0
Book Cliffs, South	SER	04/12–05/31	13	105	3	505	16
*Cache (A)	NR	04/12–04/20	71	106	18	506	89
*Cache (B)	NR	04/21–05/04	144	107	36	507	180
*Caineville/Henry Mountains	SER	04/12–05/31	24	108	6	508	30
*Central Mountains, East Manti (A)	SER	04/12–04/20	4	109	1	509	5
*Central Mountains, East Manti (B)	SER	04/21–05/04	8	110	2	510	10
Central Mountains, East Manti (C)	SER	05/05–05/31	12	111	3	511	15
Central Mountains, Nebo (A)	CR	04/12–04/20	80	112	20	512	100
Central Mountains, Nebo (B)	CR	04/21–05/04	158	113	40	513	198
Central Mountains, West Manti (A)	SER	04/12–04/20	17	114	4	514	21
Central Mountains, West Manti (B)	SER	04/21–05/04	33	115	8	515	41
Central Mountains, West Manti (C)	SER	05/05–05/31	50	116	12	516	62
Central Region, West (A)	CR	04/12–04/20	16	117	4	517	20

\*Hunt comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for these hunts.

Limited entry wild turkey permit numbers, season dates, and open areas, Utah 2008 (cont.).

Hunt name	Region	Season dates	Public permits	Hunt number	Landowner permits	Hunt number	Total permits (2008)
Central Region, West (B)	CR	04/21–05/04	32	118	8	518	40
CENTRAL REGION—Region wide	CR	05/05–05/31	748	119	0	519	748
*Chalk Creek (A)	NR	04/12–04/20	29	120	7	520	36
*Chalk Creek (B)	NR	04/21–05/04	58	121	14	521	72
*Colorado River (A)	SER	04/12–04/20	8	122	2	522	10
*Colorado River (B)	SER	04/21–05/04	16	123	4	523	20
*Colorado River (C)	SER	05/05–05/31	24	124	6	524	30
*East Canyon (A)	NR	04/12–04/20	21	125	5	525	26
*East Canyon (B)	NR	04/21–05/04	42	126	10	526	52
Fillmore, Oak Creek (A)	SR	04/12–04/20	36	127	9	527	45
Fillmore, Oak Creek (B)	SR	04/21–05/04	72	128	18	528	90
Fillmore, Pahvant (A)	SR	04/12–04/20	64	129	16	529	80
Fillmore, Pahvant (B)	SR	04/21–05/04	128	130	32	530	160
*Green River (A)	SER	04/12–04/20	12	131	3	531	15
*Green River (B)	SER	04/21–05/04	20	132	5	532	25
*Green River (C)	SER	05/05–05/31	32	133	8	533	40
Kaiparowits (A)	SR	04/12–04/20	7	134	2	534	9
Kaiparowits (B)	SR	04/21–05/04	15	135	4	535	19

\*Hunt comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for these hunts.

Limited entry wild turkey permit numbers, season dates, and open areas, Utah 2008 (cont.).

Hunt name	Region	Season dates	Public permits	Hunt number	Landowner permits	Hunt number	Total permits (2008)
La Sal (A)	SER	04/19–04/27	19	136	5	536	24
La Sal (B)	SER	04/28–05/11	37	137	9	537	46
La Sal (C)	SER	05/12–05/31	56	138	14	538	70
Monroe (A)	SR	04/12–04/20	10	139	2	539	12
Monroe (B)	SR	04/21–05/04	19	140	5	540	24
*Morgan-South Rich (A)	NR	04/12–04/20	17	141	4	541	21
*Morgan-South Rich (B)	NR	04/21–05/04	33	142	8	542	41
Mount Dutton (A)	SR	04/12–04/20	17	143	4	543	21
Mount Dutton (B)	SR	04/21–05/04	34	144	9	544	43
NORTHERN REGION—Region wide	NR	05/05–05/31	614	145	0	545	614
*Northeastern Region, Private Lands (A)	NER	04/12–04/20	58	146	15	546	73
*Northeastern Region, Private Lands (B)	NER	04/21–05/04	117	147	29	547	146
*Northeastern Region, Private Lands (C)	NER	05/05–05/31	176	148	44	548	220
Northeastern Region, Public Lands (A)	NER	04/19–04/27	15	149	0	549	15
Northeastern Region, Public Lands (B)	NER	04/28–05/11	30	150	0	550	30
Northeastern Region, Public Lands (C)	NER	05/12–05/31	15	151	0	551	15
*Ogden, South (A)	NR	04/12–04/20	26	152	6	552	32
*Ogden, South (B)	NR	04/21–05/04	52	153	13	553	65

\*Hunt comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for these hunts.

Limited entry wild turkey permit numbers, season dates, and open areas, Utah 2008 (cont.).

Hunt name	Region	Season dates	Public permits	Hunt number	Landowner permits	Hunt number	Total permits (2008)
Panguitch Lake (A)	SR	04/12–04/20	11	154	3	554	14
Panguitch Lake (B)	SR	04/21–05/04	22	155	6	555	28
Paunsaugunt (A)	SR	04/12–04/20	27	156	7	556	34
Paunsaugunt (B)	SR	04/21–05/04	56	157	14	557	70
Pine Valley (A)	SR	04/12–04/20	79	158	20	558	99
Pine Valley (B)	SR	04/21–05/04	158	159	40	559	198
Plateau, Boulder (A)	SR	04/19–04/27	48	160	12	560	60
Plateau, Boulder (B)	SR	04/28–05/11	96	161	24	561	120
Plateau, Fishlake (A)	SR	04/12–04/20	11	162	3	562	14
Plateau, Fishlake (B)	SR	04/21–05/04	22	163	6	563	28
Plateau, Thousand Lakes (A)	SR	04/12–04/20	2	164	1	564	3
Plateau, Thousand Lakes (B)	SR	04/21–05/04	4	165	1	565	5
San Juan (A)	SER	04/19–04/27	48	166	12	566	60
San Juan (B)	SER	04/28–05/11	96	167	24	567	120
San Juan (C)	SER	05/12–05/31	144	168	36	568	180
SOUTHERN REGION—Region wide (excluding Beaver, West)	SR	05/05–05/31	1,802	169	0	569	1,802
Wasatch Mountains (A)	CR	04/12–04/20	102	170	26	570	128
Wasatch Mountains (B)	CR	04/21–05/04	206	171	52	571	258



Limited entry wild turkey permit numbers, season dates, and open areas, Utah 2008 (cont.).

Hunt name	Region	Season dates	Public permits	Hunt number	Landowner permits	Hunt number	Total permits (2008)
*Zion (A)	SR	04/19–04/27	102	172	26	572	128
*Zion (B)	SR	04/28–05/11	205	173	51	573	256

\*Hunt comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for these hunts.

CWMU wild turkey permit numbers, season dates, and open areas, Utah 2008 (Turkey Proclamation 2008).

CWMU name	Hunt unit	Season dates	Public permits	Hunt number	Operator
Hiawatha	Central Mountains, East Manti	Contact operator	1	700	Brad Jenkins
Broadmouth	Ogden	Contact operator	1	701	Garet Jones
Heaston East	Central Region, West	Contact operator	4	702	Terry Thatcher
Missouri Flat	Fillmore, Pahvant	Contact operator	5	703	Jed Wayment
Folley Ridge	Morgan-South Rich	Contact operator	5	704	John Hansen
Bar J Ranch	Plateau, Fishlake	Contact operator	3	705	Dan Jorgansen
Castle Valley Outdoors	Manti/San Rafael	Contact operator	1	706	Jim Fauver
Redd Ranches	La Sal	Contact operator	3	707	David Redd

Turkey hunt unit boundaries, Utah 2008 (Turkey Proclamation 2008).

Beaver (Hunt #100, 101, 500, 501)

Beaver, Garfield, Iron, Millard and Piute counties—Boundary begins at I-15 and I-70; east on I-70 to US-89; south on US-89 to SR-20; west on SR-20 to I-15; north on I-15 to I-70. USGS 1:100,000 maps: Beaver, Cedar City, Panguitch, Richfield. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

Beaver, West (Hunt #102, 103, 104, 502, 503, 504)

Closed to turkey hunting for the 2008 season.

Beaver, Iron, and Millard counties—Boundary begins at I-15 and SR-130; north on SR-130 to SR-21; north on SR-21 to SR-257; north on SR-257 to the Black Rock Road; east on this road to I-15; south on I-15 to SR-130. USGS 1:100,000 maps: Beaver, Panguitch, Richfield. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

Book Cliffs, South (Hunt #105, 505)

Grand and Uintah counties—Boundary begins at I-70 and Floy Canyon (Exit 175); northeast up this canyon to the Book Cliffs Divide; east on this divide to the Utah-Colorado state line; south on this state line to I-70; west on I-70 to Floy Canyon (Exit 175). USGS 1:100,000 maps: Moab, Westwater. Boundary questions? Call DWR Price office at (435) 636-0260.

Cache (Hunt #106, 107, 506, 507)

Cache County—Boundary begins at the Box Elder-Weber county line and I-15; north on I-15 to SR-13/83 (Exit 365-Corinne); west on SR-13/83 to SR-102; north and east on SR-102 to I-84, east on I-84 to I-15, north on I-15 to the Utah-Idaho state line; east on this state line to the Utah-Wyoming state line; south on this state line to SR-16; north and west on SR-16 to SR-39; west on SR-39 to USFS Road 054 (Ant Flat Road); north on this road to the Cache-Weber county line; west on this county line to the Box Elder-Weber county line; west on this county line to I-15. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt. USGS 1:100,000 maps: Logan, Ogden, Promontory Point, Tremonton. Boundary questions? Call DWR Ogden office at (801) 476-2740.

Caineville/Henry Mountains (Hunt #108, 508)

Wayne and Garfield counties—Boundary begins one mile north of the Fremont River--SR-24 bridge (bridge is two miles north of Hanksville); south along SR-24 to SR-95 in Hanksville; southeast on SR-95 to SR-276; south on SR-276 to the Notom road; north on this road to SR-24; east on SR-24 to the SR-24--Fremont River crossing between the Notom road and Caineville; east from this crossing, where the boundary extends one mile on the north side of the Fremont River, to SR-24 one mile north of the Fremont River--SR-24 bridge north of Hanksville. The Caineville/Fremont River area is comprised of all or largely private property; there is also turkey habitat on private property on the Henry Mountains. Hunters should acquire written permission from the landowner before applying for this hunt. USGS 1:100,000 maps: Escalante, Hanksville, Hite Crossing, Loa. Boundary questions? Call DWR Price office at (435) 636-0260.

Turkey hunt unit boundaries, Utah 2008 (cont.).

Central Mountains, East Manti (Hunt #109, 110, 111, 509, 510, 511)

Carbon and Emery counties—Boundary begins at SR-10 and the Carbon-Emery county line; north on SR-10 to US-6 in Price; north on US-6 to SR-96; south on SR-96 to SR-264; west on SR-264 to SR-31; south on SR-31 to South Skyline Drive Road; south on this road to I-70; east on I-70 to US-6; north on US-6 to the Carbon-Emery county line; west on this county line to SR-10. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt. USGS 1:100,000 maps: Huntington, Manti, Nephi, Price, Salina, San Rafael Desert Boundary questions? Call DWR Price office at (435) 636-0260.

Central Mountains, Nebo (Hunt #112, 113, 512, 513)

Juab, Sanpete and Utah counties—Boundary begins at the junction of I-15 and US-6 at Spanish Fork; southeast on US-6 to US-89; south on US-89 to SR-28; north on SR-28 to I-15; north on I-15 to US-6 at Spanish Fork. USGS 1:100,000 maps: Manti, Nephi, Provo. Boundary questions? Call DWR Springville office at (801) 491-5678.

Central Mountains, West Manti (Hunt #114, 115, 116, 514, 515, 516)

Sanpete, Sevier and Utah counties—Boundary begins at the junction of US-89 and US-6 in Spanish Fork Canyon; east on US-6 to the Tucker Rest Stop and Skyline Drive Road; south on this road to I-70; west on I-70 to US-89 at Salina; north on US-89 to US-6 in Spanish Fork Canyon. USGS 1:100,000 maps: Manti, Nephi, Salina. Boundary questions? Call DWR Springville office at (801) 491-5678

Central Region, West (Hunt #117, 118, 517, 518)

Juab, Salt Lake, Tooele and Utah counties—Boundary begins at I-80 and I-15 in Salt Lake County; south on I-15 to Nephi and SR-132; west on SR-132 to US-6 at Lynndyl; north on US-6 to the Sand Dunes Road at Jericho Junction; west on this road passing north of Desert Mountain to the Old Riverbed Road; northwest on this road to the Pony Express Road; west on this road to the Dugway Valley Road (Pismire Wash); south on this road to the Juab-Millard county line; west on this county line to the Utah-Nevada state line; north on this state line to I-80; east on I-80 to the junction of I-15 in Salt Lake County. **EXCLUDES ALL NATIVE AMERICAN TRUST LANDS WITHIN THIS BOUNDARY.** Military installations and the Keg Mountains (in Juab County) are excluded from this boundary. USGS 1:100,000 maps: Bonneville Salt Flat, Fish Springs, Lynndyl, Nephi, Provo, Salt Lake City, Rush Valley, Tooele, Wildcat Mountain. Boundary questions? Call DWR Springville office at (801) 491-5678.

CENTRAL REGION—Region wide (Hunt #119, 519)

Juab, Millard, Salt Lake, Sanpete, Summit, Tooele, Utah and Wasatch counties—Boundary begins at the Utah-Nevada state line and I-80 at Wendover; east along I-80 to US-40; south along US-40 to the Strawberry Bay Marina road; south along the Strawberry Bay Marina road to USFS Road 042 (Indian Creek); south and west along USFS Road 042 to USFS Road 051; south along USFS Road 051 to US-6; west along US-6 to US-89; south along US-89 to SR-28; north along SR-28 to SR-78 at Levan; west and south along SR-78 to I-15 and Exit 207; west from this junction along the Mills road to the Sevier River; north along the Sevier River to SR-132; west

Turkey hunt unit boundaries, Utah 2008 (cont.).

along SR-132 to US-6; west along US-6 to the Utah-Nevada state line; north along this state line to I-80 at Wendover. **EXCLUDES ALL NATIVE AMERICAN TRUST LANDS WITHIN THIS BOUNDARY.** Military installations are excluded from this boundary. Excludes Turkey Cooperative Wildlife Management Units, and areas with special restrictions (see Section VII). Boundary questions? Call DWR Springville office, (801) 491-5678.

Chalk Creek (Hunt #120, 121, 520, 521)

Duchesne and Summit counties—Boundary begins at the junction of I-84 and I-80 near Echo; northeast on I-80 to the Utah-Wyoming state line; southeast on this state line to SR-150; south on SR-150 to Pass Lake and the Weber River Trail; west on this trail to Holiday Park and the Weber River Road; west on this road to SR-32; northwest on SR-32 to I-80 and Wanship; north on I-80 to I-84 near Echo. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt. USGS 1:100,000 maps: Kings Peak, Ogden, Salt Lake. Boundary questions? Call DWR Ogden office at (801) 476-2740.

Colorado River (Hunt #122, 123, 124, 522, 523, 524)

Grand County—Boundary is one mile either side of the Colorado and Dolores rivers from the Utah-Colorado state line to Dewey Bridge; then all lands within one mile of the Colorado River and north of SR-128 from Dewey Bridge to the US-191 Bridge in Moab. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt. USGS 1:100,000 maps: Moab, Westwater. Boundary questions? Call DWR Price office at (435) 636-0260.

East Canyon (Hunt #125, 126, 525, 526)

Davis, Morgan, Salt Lake and Summit counties—Boundary begins at the junction of I-80 and I-84 (Echo Junction); southwest on I-80 to I-15; north on I-15 to its junction with I-84 near Ogden; east on I-84 to Echo Junction and I-80. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt. USGS 1:100,000 maps: Ogden, Salt Lake City. Boundary questions? Call DWR Ogden office at (801) 476-2740.

Fillmore, Oak Creek (Hunt #127, 128, 527, 528)

Juab, Millard, Sanpete and Sevier counties—Boundary begins at I-15 and the Black Rock Road; west on this road to SR-257; north on SR-257 to US-50/6; north on US-50/6 to US-6; northeast on US-6 to SR-132; northeast on SR-132 to I-15; south on I-15 to the Black Rock Road. USGS 1:100,000 maps: Delta, Lynndyl, Nephi, Richfield. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

Fillmore, Pahvant (Hunt #129, 130, 529, 530)

Juab, Millard, Sanpete and Sevier counties—Boundary begins at I-70 and I-15; north on I-15 to SR-28; south on SR-28 to US-89; south on US-89 to I-70; west on I-70 to I-15. USGS 1:100,000 maps: Delta, Manti, Nephi, Salina, Richfield. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

Turkey hunt unit boundaries, Utah 2008 (cont.).

Green River (Hunt #131, 132, 133, 531, 532, 533)

Emery and Grand counties—Boundary is two miles either side of the Green River from the confluence of the Price River downstream to Ten Mile Canyon. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt. USGS 1:100,000 maps: Huntington, San Rafael Desert. Boundary questions? Call DWR Price office at (435) 636-0260.

Kaiparowits (Hunt #134, 135, 534, 535)

Garfield and Kane counties—Boundary begins at the Utah-Arizona state line and the Paria River; north on this river to SR-12; east on SR-12 to the Burr Trail Road at Boulder; southeast on this road to Lake Powell; southwest on the shore of Lake Powell to the Utah-Arizona state line; west on this state line to the Paria River. USGS 1:100,000 maps: Escalante, Hite Crossing, Kanab, Navajo Mountain, Panguitch, Smokey Mountain. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

La Sal (Hunt #136, 137, 138, 536, 537, 538)

Grand and San Juan counties—Boundary begins at the junction of SR-128 and US-191; south on US-191 to SR-46; east on SR-46 to the Lisbon Valley Road; southeast on this road to the Island Mesa Road; east on this road to the Utah-Colorado state line; north on this state line to a point one mile south of the Dolores River; west on a line one mile south of the Dolores River to SR-128; southwest on SR-128 to US-191. USGS 1:100,000 maps: La Sal, Moab. Boundary questions? Call DWR Price office at (435) 636-0260.

Monroe (Hunt #139, 140, 539, 540)

Piute and Sevier counties—Boundary begins at I-70 and US-89 north of Sigurd; south on US-89 to SR-24; south on SR-24 to SR-62; south and west on SR-62 to US-89; north on US-89 to I-70 near Sevier; north on I-70 to US-89 north of Sigurd. USGS 1:100,000 maps: Beaver, Loa, Salina, Richfield. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

Morgan-South Rich (Hunt #141, 142, 541, 542)

Morgan, Rich and Summit counties—Boundary begins at I-80 and the Utah-Wyoming state line; west on I-80 to Echo Junction and I-84; west on I-84 to SR-167 at Mountain Green (Trappers' Loop Road); north along SR-167 to SR-39; east along SR-39 to Woodruff and SR-16; southeast on SR-16 to the Utah-Wyoming state line; south along the state line to I-80. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt. USGS 1:100,000 maps: Logan, Ogden. Boundary questions? Call DWR Ogden office at (801) 476-2740.

Mount Dutton (Hunt #143, 144, 543, 544)

Garfield and Piute counties—Boundary begins at US-89 and SR-62; south on US-89 to SR-12; east on SR-12 to the Widtsoe-Antimony Road; north on this road to SR-22; north on SR-22 to SR-62; west on SR-62 to US-89. USGS 1:100,000 maps: Beaver, Escalante, Loa, Panguitch. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

Turkey hunt unit boundaries, Utah 2008 (cont.).

NORTHERN REGION—Region wide (Hunt #145, 545)

Box Elder, Cache, Daggett, Davis, Duchesne, Morgan, Rich, Salt Lake, Summit, Tooele, Wasatch and Weber counties—Boundary begins at the Utah-Nevada state line and I-80 at Wendover; east along I-80 to US-40; south along US-40 to SR-32; east along SR-32 to SR-35 at Francis; east along SR-35 to Soapstone Basin Road (USFS Road 037); north along Soapstone Basin Road (USFS 037) to SR-150; northeast along SR-150 to the Summit-Duchesne county line at Hayden Pass; east along the Summit-Duchesne county line (summit of the Uinta Mountains) to the Wasatch-Ashley National Forest boundary; north along the Wasatch-Ashley National Forest boundary to USFS Road 058; east along USFS Road 058 to USFS Road 221 (Birch Creek); north along USFS Road 221 to the Utah-Wyoming state line; west and north along the Utah-Wyoming state line to the Utah-Idaho state line; west along the Utah-Idaho state line to the Utah-Nevada state line; south along the Utah-Nevada state line to I-80 at Wendover. Excludes Turkey Cooperative Wildlife Management Units, and areas with special restrictions (see Section VII). Boundary questions? Call DWR Ogden office, (801) 476-2740.

Northeastern Region, Private Lands (Hunt #146, 147, 148, 546, 547, 548)

Carbon, Daggett, Duchesne, Grand, Summit, Wasatch, Uintah and Utah counties—Includes all private land, within the following: Boundary begins at the Utah-Wyoming state line and USFS Road 221 (Birch Creek); south on USFS Road 221 to USFS Road 058; west on USFS Road 058 to the Wasatch-Ashley National Forest boundary; south on this boundary to the Summit-Duchesne county line (summit of the Uinta Mountains); west on this county line to SR-150 at Hayden Pass; southwest on SR-150 to USFS Road 037 (Soapstone Basin Road); south on this road to SR-35; west on SR-35 to USFS Road 054 (Mill Hollow Road); southwest on this road to USFS Road 083 (Lake Creek Road); southeast on this road across Roundy Basin to USFS Road 082 (the new Co-op Creek Road); south on this road to US-40; east on US-40 to Soldier Creek Dam road; south on this road to the Strawberry River; east on this river to Beaver Canyon and Beaver Creek; southwest on this creek to Big Beaver Springs and USFS Road 081 (Reservation Ridge Road); south and east on this road to US-191; northeast on this road to Argyle Canyon Road; southeast on this road to Nine Mile Canyon road; east on this road to the end of the Nine Mile Canyon road and Nine Mile Creek; east on this creek to its confluence with the Green River; south on the Green River and the Ute Indian Reservation boundary to Coal Creek; east on this creek and the Ute Indian Reservation boundary to the summit of the Book Cliffs drainage divide; east on this divide and the Ute Indian Reservation boundary to the head of Hell's Hole Canyon; east on the Book Cliffs drainage divide to Ten Mile Knoll and the Book Cliffs Divide Road; east on this road to the Utah-Colorado state line; north on this state line to the Utah-Wyoming state line; west on this state line to USFS Road 221 (Birch Creek). EXCLUDES ALL NATIVE AMERICAN TRUST LANDS WITHIN THIS BOUNDARY. This hunt is comprised of private land only. Hunters should acquire written permission from the landowner before applying for this hunt. USGS 1:100,000 maps: Duchesne, Dutch John, Huntington, Kings Peak, Price, Provo, Seep Ridge, Vernal, Westwater. Boundary questions? Call DWR Vernal office, (435) 781-9453.

Turkey hunt unit boundaries, Utah 2008 (cont.).

Northeastern Region, Public Lands (Hunt #149, 150, 151, 549, 550, 551)

Carbon, Daggett, Duchesne, Grand, Summit, Wasatch, Uintah and Utah counties—Includes all public land (subject to restrictions and closures imposed by administering agencies) within the following: Boundary begins at the Utah-Wyoming state line and USFS Road 221 (Birch Creek); south on USFS Road 221 to USFS Road 058; west on USFS Road 058 to the Wasatch-Ashley National Forest boundary; south on this boundary to the Summit-Duchesne county line (summit of the Uinta Mountains); west on this county line to SR-150 at Hayden Pass; southwest on SR-150 to USFS Road 037 (Soapstone Basin Road); south on this road to SR-35; west on SR-35 to USFS Road 054 (Mill Hollow Road); southwest on this road to USFS Road 083 (Lake Creek Road); southeast on this road across Roundy Basin to USFS Road 082 (the new Co-op Creek Road); south on this road to US-40; east on US-40 to Soldier Creek Dam road; south on this road to the Strawberry River; east on this river to Beaver Canyon and Beaver Creek; southwest on this creek to Big Beaver Springs and USFS Road 081 (Reservation Ridge Road); south and east on this road to US-191; northeast on this road to Argyle Canyon Road; southeast on this road to Nine Mile Canyon road; east on this road to the end of the Nine Mile Canyon road and Nine Mile Creek; east on this creek to its confluence with the Green River; south on the Green River and the Ute Indian Reservation boundary to Coal Creek; east on this creek and the Ute Indian Reservation boundary to the summit of the Book Cliffs drainage divide; east on this divide and the Ute Indian Reservation boundary to the head of Hell's Hole Canyon; east on the Book Cliffs drainage divide to Ten Mile Knoll and the Book Cliffs Divide Road; east on this road to the Utah-Colorado state line; north on this state line to the Utah-Wyoming state line; west on this state line to USFS Road 221 (Birch Creek). EXCLUDES ALL NATIVE AMERICAN TRUST LANDS WITHIN THIS BOUNDARY. This hunt is comprised of public land only. USGS 1:100,000 maps: Duchesne, Dutch John, Huntington, Kings Peak, Price, Provo, Seep Ridge, Vernal, Westwater. Boundary questions? Call DWR Vernal office, (435) 781-9453.

Ogden, South (Hunt #152, 153, 552, 553)

Weber County—Boundary begins at the Box Elder-Weber county line and I-15; south on I-15 to I-84; east on I-84 to Mountain Green and SR-167 (Trappers Loop Road); north on SR-167 to SR-39; east on SR-39 to USFS Road 054 (Ant Flat Road); north on this road to the Cache-Weber county line; west on this county line to the Box Elder-Weber county line; west on this county line to I-15. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt. USGS 1:100,000 maps: Ogden, Promontory Point. Boundary questions? Call DWR Ogden office at (801) 476-2740.

Panguitch Lake (Hunt #154, 155, 554, 555)

Garfield, Iron and Kane counties—Boundary begins at SR-14 and US-89; north on US-89 to SR-20; west on SR-20 to I-15; south on I-15 to SR-143; south on SR-143 to SR-148; south on SR-148 to SR-14; east on SR-14 to US-89. USGS 1:100,000 maps: Beaver, Panguitch. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

Paunsaugunt (Hunt #156, 157, 556, 557)

Garfield and Kane counties—Boundary begins at US-89A and the Utah-Arizona state line; north on US-89A to US-89; north on US-89 to SR-12; east on SR-12 to the Paria River; south on this



Turkey hunt unit boundaries, Utah 2008 (cont.).

river to the Utah-Arizona state line; west on this state line to US-89A. USGS 1:100,000 maps: Kanab, Panguitch, Smokey Mountain. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

Pine Valley (Hunt #158, 159, 558, 559)

Iron and Washington counties—Boundary begins at I-15 and the Utah-Arizona state line; north on I-15 to SR-56; west on SR-56 to the Lund Highway; northwest on this highway to the Union Pacific railroad tracks at Lund; southwest on these tracks to the Utah-Nevada state line; south on this state line to the Utah-Arizona state line; east on this state line to I-15. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt. EXCLUDES ALL NATIVE AMERICAN TRUST LANDS WITHIN THIS BOUNDARY. USGS 1:100,000 maps: Cedar City, Saint George. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

Plateau, Boulder (Hunt #160, 161, 560, 561)

Garfield, Piute, and Wayne counties—Boundary begins at SR-24 and SR-62; south on SR-62 to SR-22; south on SR-22 to the Antimony-Widtsøe road; south on this road to SR-12; east on SR-12 to the Burr Trail Road at Boulder; east on this road to the Notom Road; north on this road to SR-24; west on SR-24 to SR-62. USGS 1:100,000 maps: Escalante, Loa, Panguitch. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

Plateau, Fishlake (Hunt #162, 163, 562, 563)

Piute, Sevier and Wayne counties—Boundary begins at I-70 and US-89 north of Sigurd; south on US-89 to SR-24; south on SR-24 to SR-72; north on SR-72 to I-70; west on I-70 to US-89 north of Sigurd. USGS 1:100,000 maps: Loa, Salina. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

Plateau, Thousand Lakes (Hunt #164, 165, 564, 565)

Emery, Sevier and Wayne counties—Boundary begins at the junction of SR-24 and SR-72; east on SR-24 to Caineville and the Caineville-Fremont Junction Road; north on this road to the junction of I-70 and SR-72; south on SR-72 to SR-24. USGS 1:100,000 maps: Loa, Salina. Boundary questions? Call DWR Cedar City office at (435) 865-6100.

San Juan (Hunt #166, 167, 168, 566, 567, 568)

Grand and San Juan counties—Boundary begins at the junction of the Colorado River and US-191; south on US-191 to the Big Indian Road; east on this road to the Lisbon Valley Road; east on this road to the Island Mesa Road; east on this road to the Utah-Colorado state line; south on this state line to the Navajo Indian Reservation boundary; west on this boundary to Lake Powell; north on this lake shore to the Colorado River; north on this river to the junction of the Colorado River and US-191. USGS 1:100,000 maps: Blanding, Bluff, Hite Crossing, La Sal, Navajo Mountain. Boundary questions? Call DWR Price office at (435) 636-0260.

Turkey hunt unit boundaries, Utah 2008 (cont.).

**SOUTHERN REGION**—Region wide (Hunt #169, 569) (Excludes the Beaver, West Unit) Millard, Sevier, Beaver, Piute, Wayne, Garfield, Kane, Washington and Iron counties — Boundary begins at the Utah-Arizona state line and the west shore of Lake Powell; northeast along the west shore of Lake Powell to the Burr Trail road; north along the Burr Trail road to the Notom road; north along the Notom road to SR-24; east along SR-24 to Caineville and the Caineville-Fremont Jct. road; north along the Caineville-Fremont Jct. road to I-70 (i.e.: north along the Caineville Wash road to the Cathedral Valley road; west on the Cathedral Valley road to Rock Springs Bench and the Last Chance Desert road; north on the Last Chance Desert road to the Blue Flats road; north and east on the Blue Flats road to the Willow Springs road; north on the Willow Springs road towards Windy Peak and the Windy Peak road; west on the Windy Peak road to SR-72; north on SR-72 to Fremont Junction at I-70); west along I-70 to SR- 89 (Alt. 89) near Salina; north along SR-89 (Alt. 89) to US-89; north along US-89 to SR-28; north along SR-28 to SR-78 at Levan; west and south along SR-78 to I-15 and Exit 207; west from this junction along the Mills road to the Sevier River; north along the Sevier River to SR-132; west along SR-132 to US-6; west along US-6 to the Utah-Nevada state line; south along the Utah-Nevada state line to the Utah-Arizona state line; east along the Utah-Arizona state line to the west shore of Lake Powell. **EXCLUDES ALL NATIVE AMERICAN TRUST LANDS WITHIN THIS BOUNDARY.** Excludes Turkey Cooperative Wildlife Management Units, and areas with special restrictions (see Section VII). Boundary questions? Call DWR Cedar City office, (435) 865-6100.

**Wasatch Mountains** (Hunt #170, 171, 570, 571)

Salt Lake, Summit, Utah and Wasatch Counties—Boundary begins at I-80 and US-40, south on US-40 to SR-248; east on SR-248 to SR-35 in Kamas; south and east on SR-35 to USFS Road 054 (Mill Hollow Road); southwest on this road to USFS Road 083 (Lake Creek Road); southeast on this road across Roundy Basin to USFS Road 082 (new Coop Creek Road); south on this road to US-40; west along US-40 to the Strawberry Bay Marina road; south along the Strawberry Bay Marina road to USFS Road 042 (Indian Creek); south and west along USFS Road 042 to USFS Road 051; south along USFS Road 051 to US-6; west on US-6 to I-15; north on I-15 to I-80; east on I-80 to US-40. USGS 1:100,000 maps: Duchesne, Nephi, Provo, Salt Lake City. Boundary questions? Call DWR Springville office at (801) 491-5678.

**Zion** (Hunt #172, 173, 572, 573)

Garfield, Iron and Kane counties—Boundary begins at US-89 and SR-14; west on SR-14 to SR-148; north on SR-148 to SR-143; north and west on SR-143 to I-15; south on I-15 to the Utah-Arizona state line; east on this state line to US-89A; north on US-89A to US-89; north on US-89 to SR-14. This hunt is comprised of all or largely private property. Hunters should acquire written permission from the landowner before applying for this hunt. USGS 1:100,000 maps: Cedar City, Kanab, Panguitch, Saint George. Boundary questions? Call DWR Cedar City office at (435) 865-6100.