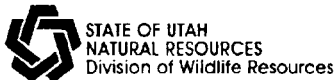


UTAH UPLAND GAME ANNUAL REPORT 2000



Publication No. 04-19



Utah Upland Game Annual Report 2000

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Annual Performance Report for Federal Aid Project W-16-RD-4

State of Utah
Department of Natural Resources
DIVISION OF WILDLIFE RESOURCES

An Equal Opportunity Employer

John Kimball
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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ANNUAL PERFORMANCE REPORT

State: UTAH

Grant Number: W-16-RD

Segment: 4

Grant Title: Statewide Upland Game Management Surveys and Inventories

Grant Agreement Period: Oct. 1, 1999 thru Feb. 28, 2001

Abstract: This report identifies progress and accomplishments of Segment No. 4 objectives, 1999-2001. Results of annual population surveys and inventories conducted during the segment W-16-RD-3 and harvest surveys conducted under W-16-RD-4 along with summaries of long-term trends of population indices derived and harvest estimates will be included in the Utah Upland Game Annual Report 1999. Data obtained in 1999 will be compared to 1998 and long-term averages.

The Federal Aid Annual Performance Report for W-16-RD-3 will be included in the Utah Upland Game Annual Report 1999, rather than this Annual Performance Report because of the annual reporting scheme initiated under W-65-R and because of the way population surveys and inventories and harvest data are collected.

Annual population surveys and inventories are collected during one segment and harvest surveys are conducted during the subsequent segment. The Utah Upland Game Annual Report is an attempt to summarize population survey and inventory data and harvest estimates for the same calendar year.

This reporting scheme may seem awkward, especially when one looks a Utah Upland Game Annual Report and sees a copy of a Federal Aid Annual Performance Report included for a segment that ended before harvest survey data was actually collected.

Because this reporting scheme is somewhat confusing, but makes the most sense from a biological perspective to report population survey and inventory information for the same calendar year as harvest, it is hoped that the above explanation clarifies any confusion. Further, it is recommended that the reporting scheme remain the same.

The 1999 Utah Upland Game Annual Report (includes survey and inventory data from W-16-RD-3 and harvest data from W-16-RD-4) was published in March 2001 and the 2000 Utah Upland Game Annual Report (includes survey and inventory data from W-16-RD-4 and harvest data from a new grant, segment 1) will be published in August 2001.

I. OBJECTIVES OF GRANT PROPOSAL:

1. To annually monitor and evaluate 16 upland game species harvest and populations in Utah using appropriate surveys and inventories--on-going objective.
2. To administer Utah's upland game programs and to manage 16 upland game species based on population data obtained through Objective 1--on-going objective.
3. In conjunction with the Utah State University Extension Fisheries and Wildlife Specialist, compile, develop and publish a handbook pertaining to field identification, basic biology and ecology and sexing and aging techniques for Utah upland game.

Progress Statement and Summary of Work Completed During The Segment For Each Objective:

1. To annually monitor and evaluate 16 upland game species harvest and populations in Utah using appropriate surveys and inventories.

Ongoing Objective. Annual inventory procedures for ring-necked pheasants included winter sex ratio counts and summer roadside counts. The winter sex ratio counts were conducted from December 15, 1999 through February 10, 2000, as snow cover conditions allowed. Indices derived include hen-cock ratios and pheasants observed per 100 hours. Annual summer roadside counts (three or more per route) were conducted from July 22-August 22 on permanently established routes. Indices derived include pheasants per mile, young per mile, young per hen, mean brood and percent of hens with young. Pheasant crowing territory counts were selectively conducted by DWR's northern and central regions. Crowing territory counts are used by biologists to determine if habitat improvement projects are successful in increasing populations, and also as another index to local pheasant breeding populations.

Mourning dove breeding population trend was determined via the annual call count survey. This survey is part of a nationwide survey administered by the U. S. Fish and Wildlife Service. Call counts are conducted over 15 permanent, 20-mile routes. One count was made on each route between May 20-30, 2000.

Random brood counts were conducted on chukar and Hungarian partridge, forest grouse (ruffed and blue), sage grouse, sharp-tailed grouse, wild turkey and quail from June 15-August 22. Indices derived for each species include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Sage grouse strutting ground counts and sharp-tailed grouse dancing ground counts were conducted from March 15-May 15. Total cocks counted, average cocks per ground and percent change from 1999 for comparable grounds were determined on a county basis.

The Gambel's quail long period waterhole counts were completed in July and August. Limited valley quail random brood counts were made in several counties.

Cottontail rabbit roadside counts were conducted over pre-established routes between July 15 and August 22. Indices derived include rabbits per mile and young per 100 adults.

Harvest questionnaires were mailed to determine the harvest of upland game birds, cottontail rabbit, and snowshoe hare. A sample of eligible licensees from the current year's (1999) resident small game license file and combination license file was used. The modified computerized pull-apart mailer was again used to obtain harvest data. Separate questionnaires were mailed to all ptarmigan, band-tailed pigeon, sage-grouse, sharp-tailed grouse and wild turkey permittees. Indices derived include total hunters, hunter-days, total harvest and hunter success per day, plus success for each season.

The upland game questionnaires were processed by the Utah Division of Wildlife Resources Public Services Section. Ptarmigan, band-tailed pigeon, sage-grouse, sharp-tailed grouse and wild turkey questionnaires were analyzed separately by Utah Division of Wildlife Resources Wildlife Section personnel.

Upland game hunters were checked at checking stations, and random field checks were made during each hunting season. Indices derived include bag per hunter (per day), bag per 100 hours, average hours per hunter-day and average hours per bird bagged. Additional sex and age composition data were compiled for some species using wing samples collected at checking stations.

One ten mile helicopter transect was flown in Utah's west desert in August 2000 to determine chukar population densities. Index derived was chukars per mile. This survey is flown only in Utah's west desert. Data derived from this survey has been very useful in compiling a fall hunt forecast for chukars.

One snowshoe hare track and pellet survey was conducted in Cache County. This is currently the only data being collected on Utah snowshoe hares outside of harvest data. This survey seems to be useful so far. We hope to collect this data into the future and to conduct a correlation analysis with harvest data to see if we might be able to predict harvest levels based on the track and pellet county survey.

The winter flock count survey for wild turkey was fully implemented during the winter 1999-2000. This technique seems to provide a useful index to Utah's turkey population. Data is used by local biologists to derive turkey harvest recommendations. We will continue to use this technique into the future to assess turkey populations.

New sage and sharp-tailed grouse leks were described and mapped during the segment as located.

Completion of the 4-Corners Band-tailed Pigeon Management Plan increased dramatically during this segment. A rewrite of the plan was completed and the plan was shared with the Pacific and Central Flyway Councils.

2. Ongoing Objective. To administer Utah's upland game programs and to manage 16 upland game species based on population data obtained through Objective 1.

Data collected in Objective 1 was used by DWR personnel to formulate harvest recommendations for 16 species of upland game in Utah. DWR personnel met in April 2000 to formulate harvest recommendations for fall 2000 upland game seasons. DWR recommendations were presented at 5 Regional Advisory Councils and the public throughout the state in May. In June, recommendations were presented to the Utah Wildlife Board who made final decisions for recommendations to include in the 1999-2000 and 2000-2001 Utah Upland Game Proclamations. A two-year Upland Game Proclamation was adopted by the Utah Wildlife Board.

In October and November 2000, the project leader also presented DWR recommendations for wild turkey conservation permits and limited entry turkey hunting unit permits to 5 Regional Advisory Councils, the public and the Utah Wildlife Board. A separate Turkey Addendum to the Upland Game Proclamation was compiled, published and distributed. The purpose of the Turkey Addendum was to provide for the publishing of all Utah turkey hunting regulations, permit numbers and season dates in one document available at the time that turkey permit applications are submitted by hunters.

3. Objective To Be Completed Over 2 Years. In conjunction with the Utah State University Extension Fisheries and Wildlife Specialist, compile, develop and publish a handbook pertaining to field identification, basic biology and ecology and sexing and aging techniques for Utah upland game.

Objective 3 was not implemented in this segment. The Grant Agreement budget for Objectives 1 and 2 was underestimated and used up the funds intended for Objective 3. The apportionment for Wildlife Restoration Act funding was insufficient to increase the segment budget for Objective 3 and the task could not be implemented with only state funds, which were also insufficient.

Location of Work Performed: Statewide.

Actual Cost:

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 death rates, whether hunting is allowed or not. Annual surveys are conducted to measure the production, trend, and harvest of each upland population.

This is the thirtieth Annual Upland Game Report. It is an annual performance report of information compiled during inventory and harvest surveys conducted under Federal Aid Project W-16-RD-4. 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 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 narrative.

During 2000, a total of 54,716 Utah sportsmen spent 415,820 days afield in pursuit of various upland game species (Table 1). The harvest of upland game totaled 471,158 animals. The proportion of the total upland game hunters that pursued each species is shown in Table 2 and the percentage failing to bag at least one bird of each species is in Table 3.

The regulations for 2000 upland game hunting seasons are shown in Appendix C.

GENERAL HARVEST QUESTIONNAIRE

Harvest statistics were obtained from a random sample of licensed hunters by their response to a hunter-harvest questionnaire. Questionnaires were sent by postal mail and hunter response was tabulated. General upland game harvest was obtained with one survey, while species that required special permits were obtained with another survey.

A total of 14,181 upland game questionnaires were mailed to randomly selected licensees. This represented a 16.37 percent sample of licensed hunters for the year 2000 (86,631). A total of 4,555 useable upland game questionnaires were returned. Of those, 1,702 purchased a license, but did not hunt upland game. By dividing the total of 86,631 eligible licensees by the usable returns (4,555), a projection factor of 19.01888035 is derived.

For special permit species (Band-tailed Pigeon, Wild Turkey, White-tailed Ptarmigan, Sage-grouse, and Sharp-tailed Grouse), all permittees were sent questionnaires and results were obtained from the returned responses.

Table 1. Summary of harvest statistics from the general mail questionnaire for 2000.

Species	Hunters Afield	Total Harvest	Hunter-Days Afield	Bag Per Hunter-Day	Bag Per Hunter For Season
Pheasant	41,074	60,108	114,226	0.53	1.46
Mourning Dove	23,916	227,148	79,356	2.86	9.50
Band-tailed Pigeon	53	158	159	0.99	2.98
Chukar Partridge	14,056	36,458	45,096	0.81	2.59
Sage-grouse	1,456	1,497	2,829	0.53	1.03
Forest Grouse	24,338	54,456	75,199	0.72	2.24
Quail	3,828	14,093	12,638	1.12	3.68
Hungarian Partridge	3,349	6,355	9,096	0.70	1.90
Wild Turkey					
Merriam's	396	211	1,297	0.16	0.53
Rio Grande	615	488	2,052	0.24	0.79
Sharp-tailed Grouse	364	205	--	--	0.56
White-tailed Ptarmigan	65	35	183	0.19	0.54
Cottontail Rabbit	15,797	62,330	60,895	1.02	3.95
Snowshoe Hare	1,855	2,526	5,879	0.43	1.36
TOTALS	54,716*	466,068	408,905	--	--

*This is not the total of the column because many upland game hunters hunted more than one species.

Table 2. Number of total upland game hunters afield who reported hunting each species during 1991-2000.

Species	Year									
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Pheasant	42,813	41,640	39,640	36,705	38,391	41,854	37,622	35,130	36,211	41,074
Mourning Dove	22,632	18,021	19,725	20,743	20,896	23,180	22,594	18,030	20,926	23,916
Band-tailed Pigeon*	15	18	8	13	59	37	58	68	49	53
Chukar Partridge	10,577	11,125	10,128	8,455	9,097	10,197	9,665	9,283	14,388	14,056
Sage-grouse*	8,018	7,393	6,594	5,133	5,987	5,574	4,178	3,559	4,830	1,456
Forest Grouse	14,421	15,000	12,029	9,827	10,088	15,492	10,206	9,166	16,941	24,338
Quail	2,644	2,861	3,649	2,936	4,374	4,622	3,637	3,211	4,002	3,828
Hungarian Partridge	2,662	3,198	2,090	1,899	2,294	2,299	2,328	2,350	6,211	3,349
Wild Turkey*										
Merriam's	532	484	466	285	296	320	339	309	327	396
Rio Grande	18	20	41	105	123	166	229	254	413	615
Sharp-tailed Grouse*	--	--	--	--	--	--	--	235	332	364
White-tailed Ptarmigan*	13	11	9	4	20	12	18	45	34	65
Cottontail Rabbit	21,137	20,509	17,578	12,709	13,840	14,470	12,263	10,585	15,475	15,797
Snowshoe Hare	3,427	3,732	2,755	1,565	1,983	2,276	1,912	1,093	2,139	1,855
Total Hunters**	61,922	58,423	59,590	49,518	55,159	57,401	54,125	50,740	55,553	54,716

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

Percent of total upland game hunters afield who reported hunting each species during 1991-2000.

Species	Year									
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Pheasant	69.14	71.27	66.52	74.12	69.60	72.92	69.51	69.24	71.37	75.07
Mourning Dove	36.55	30.85	33.10	41.89	37.88	40.38	41.74	35.53	41.24	43.71
Band-tailed Pigeon*	0.02	0.03	0.01	0.03	0.11	0.06	0.11	0.13	0.10	0.10
Chukar Partridge	17.08	19.04	17.00	17.07	16.49	17.76	17.86	18.30	28.36	25.69
Sage-grouse*	12.95	12.65	11.07	10.37	10.85	9.71	7.72	7.01	9.52	2.66
Forest Grouse	23.29	25.67	20.19	19.85	18.29	26.99	18.86	18.06	33.39	44.48
Quail	4.27	4.90	6.12	5.93	7.93	8.05	6.72	6.33	7.89	7.00
Hungarian Partridge	4.30	5.47	3.51	3.83	4.16	4.01	4.30	4.63	12.24	6.12
Wild Turkey*										
Merriam's	0.86	0.83	0.78	0.58	0.54	0.56	0.63	0.61	0.64	0.72
Rio Grande	0.03	0.03	0.07	0.21	0.22	0.29	0.42	0.50	0.81	1.12
Sharp-tailed Grouse*	--	--	--	--	--	--	--	0.46	0.65	0.67
White-tailed Ptarmigan*	0.02	0.02	0.02	0.01	0.04	0.02	0.03	0.09	0.07	0.12
Cottontail Rabbit	34.13	35.10	29.50	25.67	25.09	25.21	22.66	20.86	30.50	28.87
Snowshoe Hare	5.53	6.39	4.62	3.16	3.60	3.97	3.53	2.15	4.22	3.39

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

Table 3. Percent of hunter trips resulting in failure to bag at least one bird, 1961-2000.

Year	Pheasant			Mourning Dove			Chukar			Sage Grouse			Forest Grouse			Quail			Hungarian Partridge									
	No Bag*	Hunting Trips*	Percent No Bag	No Bag*	Hunting Trips*	Percent No Bag	No Bag*	Hunting Trips*	Percent No Bag	No Bag*	Hunting Trips*	Percent No Bag	No Bag*	Hunting Trips*	Percent No Bag	No Bag*	Hunting Trips*	Percent No Bag	No Bag*	Hunting Trips*	Percent No Bag							
1961	714	3,204	22	51	583	9	318	539	59	--	--	--	109	383	28	72	123	59	109	383	28	72	123	59				
1962	500	2,685	19	39	456	9	147	362	41	--	--	--	62	201	31	36	107	33	62	201	31	36	107	33				
1963	795	3,317	24	53	691	8	248	550	45	220	468	47	188	281	67	71	305	59	188	281	67	71	305	59				
1964	911	3,115	29	60	681	9	266	568	47	45	154	29	144	229	63	94	316	62	45	154	229	63	94	316	62			
1965	1,165	4,009	29	--	--	--	486	851	57	82	168	49	225	311	72	128	371	34	82	168	49	225	311	72	128	371	34	
1966	1,242	4,297	29	136	1,067	13	523	881	48	54	131	41	133	331	40	106	315	34	54	131	41	133	331	40	106	315	34	
1967	1,353	4,833	28	153	1,319	12	477	915	52	138	266	52	194	475	41	161	424	38	138	266	52	194	475	41	161	424	38	
1968	1,422	5,223	27	236	1,312	18	495	1,095	45	185	449	41	177	665	27	171	457	39	185	449	41	177	665	27	171	457	39	
1969	1,897	5,335	36	214	1,568	14	647	1,250	62	241	648	37	273	656	42	182	465	39	241	648	37	273	656	42	182	465	39	
1970	1,546	4,686	33	193	1,274	15	466	962	48	257	603	43	209	666	31	126	314	40	257	603	43	209	666	31	126	314	40	
1971	1,783	5,049	35	210	1,333	16	464	934	50	234	625	37	223	673	33	162	385	42	234	625	37	223	673	33	162	385	42	
1972	1,743	4,617	38	270	1,421	19	457	827	55	259	593	44	271	794	34	154	339	45	271	794	34	154	339	45	120	224	54	
1973	1,659	4,699	35	209	1,596	13	414	824	50	226	553	41	329	1,019	32	128	311	41	329	1,019	32	128	311	41	97	196	49	
1974	2,347	5,323	44	323	1,951	17	511	955	54	292	668	44	388	1,259	31	157	333	47	388	1,259	31	157	333	47	108	227	48	
1975	2,472	5,604	44	329	2,554	13	607	1,105	55	374	901	42	535	1,354	40	177	406	44	535	1,354	40	177	406	44	121	220	55	
1976	1,739	4,294	40	273	1,709	16	408	781	52	259	783	33	371	1,131	33	105	266	39	371	1,131	33	105	266	39	87	184	47	
1977	1,874	5,175	36	295	1,967	15	511	943	54	394	972	41	528	1,388	38	125	299	42	528	1,388	38	125	299	42	106	247	43	
1978	1,507	4,858	31	279	1,986	14	343	882	39	301	853	35	419	1,419	30	103	306	34	419	1,419	30	103	306	34	85	246	35	
1979	2,222	7,024	32	343	2,671	13	528	1,150	46	400	1,215	33	585	1,691	35	130	403	32	585	1,691	35	130	403	32	119	243	49	
1980	1,684	5,867	29	258	2,145	12	458	1,008	45	392	944	42	501	1,283	39	87	254	34	501	1,283	39	87	254	34	75	206	36	
1981	1,305	4,637	28	239	1,558	15	302	669	45	184	493	37	297	741	40	97	241	40	297	741	40	97	241	40	57	172	33	
1982	1,768	6,725	26	363	2,338	16	406	824	49	269	620	43	325	919	35	128	292	44	325	919	35	128	292	44	89	176	51	
1983	1,645	7,153	23	348	2,381	15	362	880	41	294	729	40	300	1,118	27	105	310	34	300	1,118	27	105	310	34	82	225	36	
1984	1,245	4,643	27	274	1,711	16	287	548	52	202	435	46	270	640	42	84	189	44	270	640	42	84	189	44	51	76	67	
1985	1,207	4,017	30	221	1,500	15	208	426	49	161	376	43	228	656	35	61	148	41	228	656	35	61	148	41	35	54	65	
1986	1,211	3,615	33	224	1,476	15	237	537	44	139	368	38	221	667	33	58	125	46	221	667	33	58	125	46	36	61	59	
1987	863	2,837	30	140	1,047	13	194	537	36	90	307	29	143	671	21	46	111	41	143	671	21	46	111	41	34	94	35	
1988	1,372	3,953	35	244	1,525	16	308	770	40	187	557	34	224	1,184	19	63	171	37	224	1,184	19	63	171	37	73	154	47	
1989	1,126	2,985	38	184	1,184	16	263	614	43	183	468	39	257	961	27	68	160	43	257	961	27	68	160	43	53	108	49	
1990	988	2,745	36	161	1,234	13	282	632	45	162	483	34	233	810	39	54	132	41	233	810	39	54	132	41	46	117	39	
1991	1,062	2,461	43	205	1,301	16	309	605	51	198	461	43	262	829	32	69	152	45	262	829	32	69	152	45	67	153	44	
1992	905	2,760	33	156	1,150	14	298	701	43	169	432	39	208	969	21	68	168	40	208	969	21	68	168	40	67	186	36	
1993	1,035	2,086	30	194	1,038	19	354	533	66	191	347	55	346	633	55	85	192	44	346	633	55	85	192	44	75	110	68	
1994	889	2,088	43	230	1,180	19	278	481	58	148	292	47	243	559	43	64	167	38	243	559	43	64	167	38	78	108	72	
1995	919	2,452	37	224	1,286	17	259	554	47	169	347	49	277	790	35	95	241	39	277	790	35	95	241	39	54	123	44	
1996	742	2,259	33	173	1,164	15	225	526	43	119	255	47	187	775	24	81	215	38	187	775	24	81	215	38	38	103	37	
1997	743	2,159	34	181	1,193	15	246	537	46	110	220	50	183	641	29	67	181	37	183	641	29	67	181	37	53	118	45	
1998	542	1,773	31	141	869	16	175	454	39	65	163	40	260	802	20	42	143	29	260	802	20	42	143	29	32	105	30	
1999	854	2,503	34	315	1,339	24	341	946	36	135	298	45	160	1,135	23	98	247	40	160	1,135	23	98	247	40	111	369	30	
2000	1,049	2,160	49	235	1,268	19	374	738	51	--	--	--	361	1,606	22	73	201	36	361	1,606	22	73	201	36	98	179	55	
Averages																												
(1961-1999)			32			15			48			41			36			38				36			38			45

*Numbers are based on harvest questionnaire results and have not been projected to represent all upland game hunters.

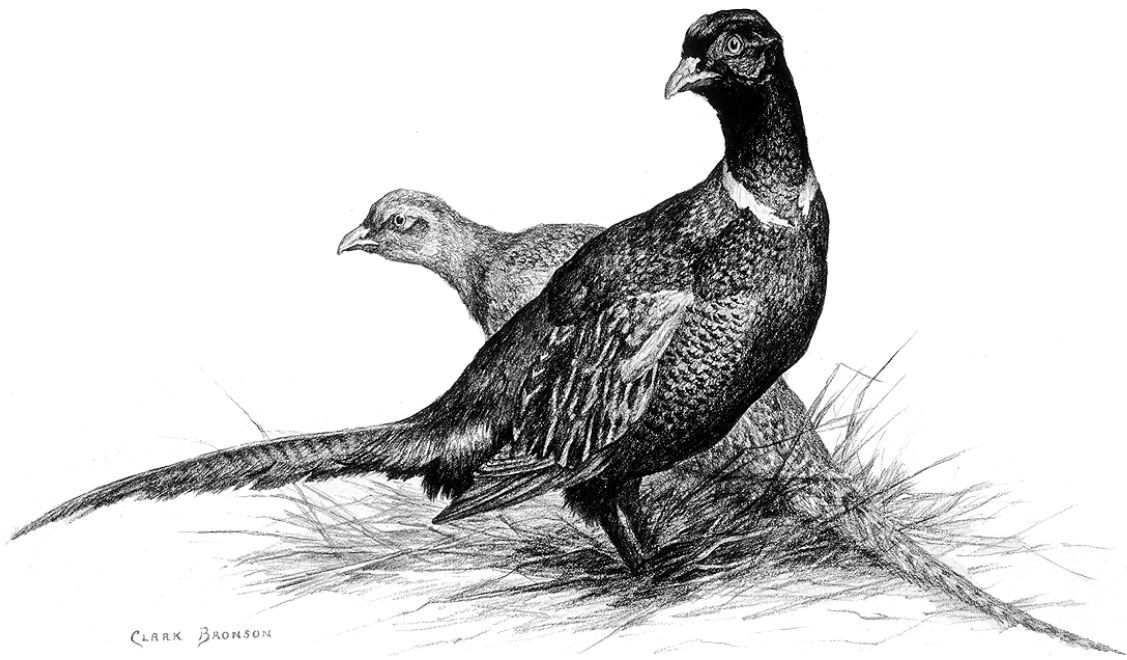
The upland game questionnaire is designed to monitor statewide harvest trend from year to year. The more extensively a species is hunted, the more accurately the questionnaire measures the trend data. In an effort to improve the accuracy of the indices for species that receive very little hunting pressure, and that have low densities and distribution, a unique questionnaire is generated. Each species of this type must be hunted using a special permit so that hunter information can be obtained for survey purposes. This method is used for 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 questionnaire is based on some basic assumptions. These assumptions are: (1) the returned usable sample is a completely random sample, (2) respondents recorded the data correctly, i.e. they clearly understood the questionnaire, (3) respondents recorded data accurately, and did not guess or lie, and (4) respondents correctly identified the species hunted. If these 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.

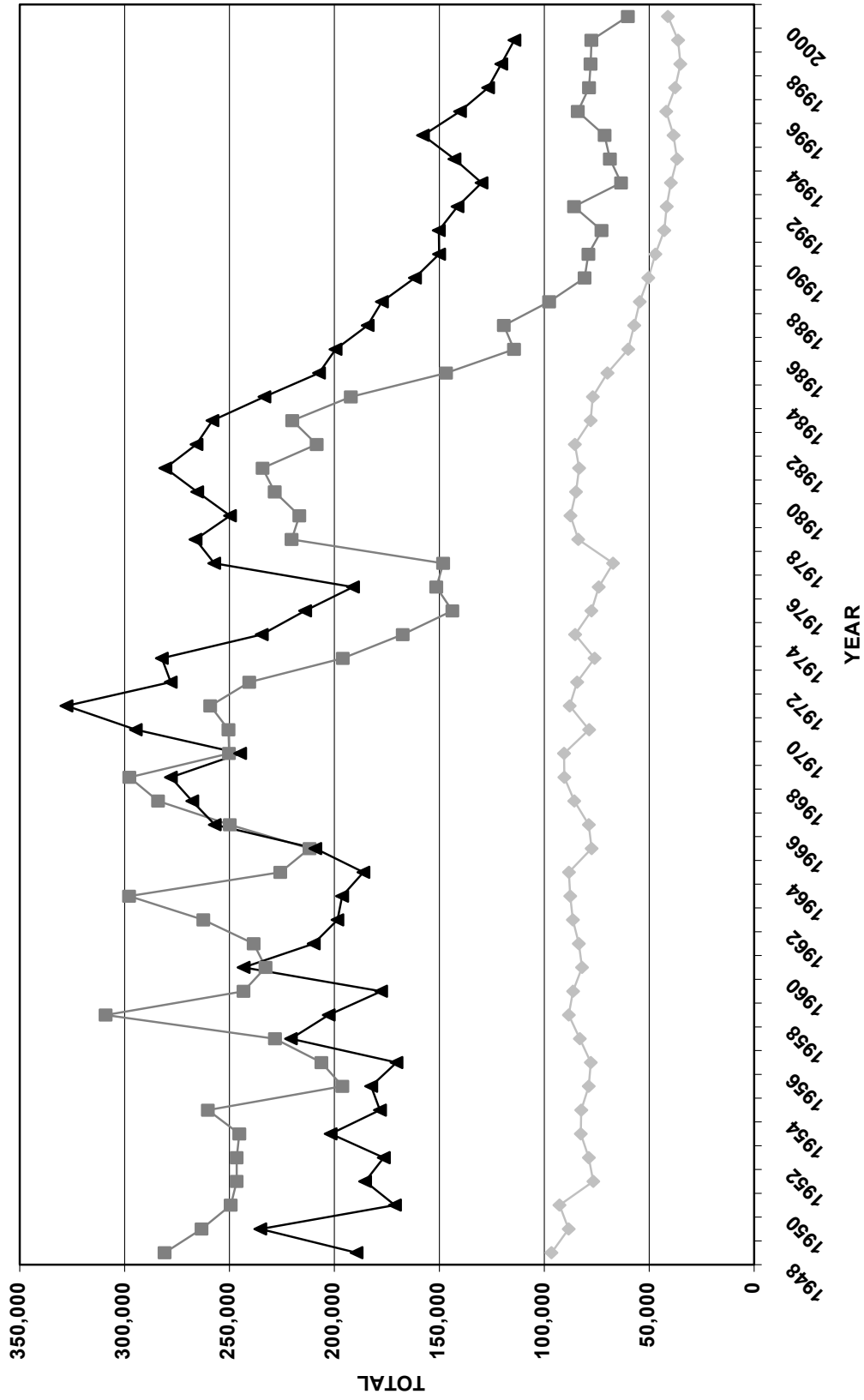
Presently, the Upland Game Annual Report contains the best data available and therefore constitutes the basic facts of upland game management. Although this report has its limitations, the trend data is valuable in making professional judgments regarding upland game populations and harvest.

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.

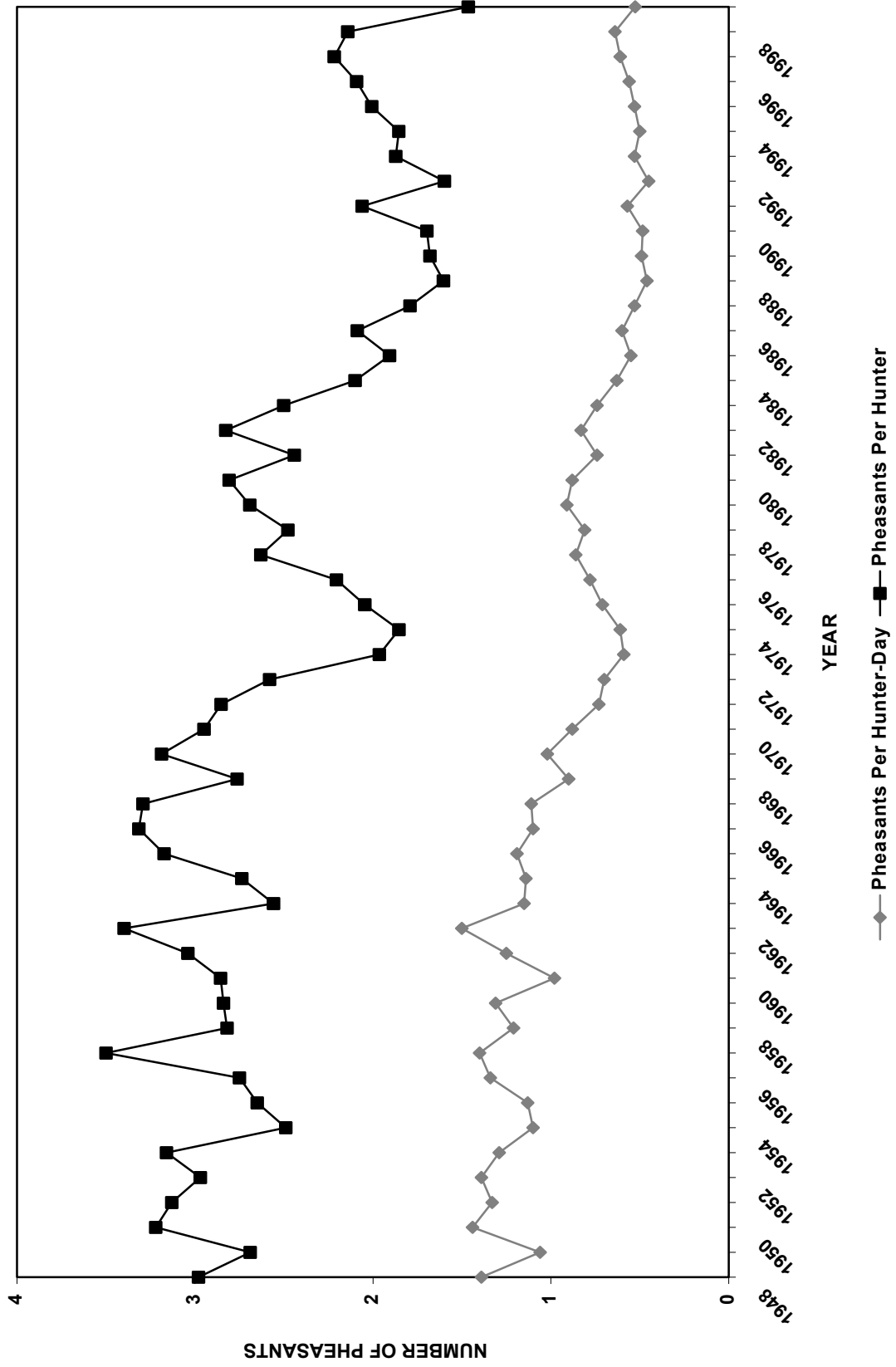
PHEASANT



Statewide trends of pheasant harvest statistics, 1948-2000.



Statewide trends of pheasant hunter success rates, 1948-2000.



Pheasant summer inventory, 2000.

Region and County	No. Routes	Total Miles		Distinct Broods		Mixed Obser.		Adults w/o Young		Total Hens	Total Young	Total Cocks	Total Pheasants	Pheasants Per Mile	Young Per Mile	Mean Brood	Young Per Adult Hen	%Hens w/Young
		Total	Miles	Total	Hens	Young	Hens	Cocks	Hens									
Northern Region																		
Box Elder	--	20	1	1	17	1	3	1	4	6	20	1	27	1.35	1.00	17.00	3.33	33
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	20	1	1	17	1	3	1	4	6	20	1	27	1.35	1.00	17.00	3.33	33
Central Region																		
Juab	1	35	2	2	8	0	0	1	0	2	8	1	11	0.31	0.23	4.00	4.00	100
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	3	166	9	9	32	0	0	6	5	14	32	6	52	0.31	0.19	3.56	2.29	64
Tooele	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Utah	3	209	18	18	79	15	80	12	14	47	159	12	218	1.04	0.76	4.39	3.38	70
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	7	410	29	29	119	15	80	19	19	63	199	19	281	0.69	0.49	4.10	3.16	70
Southern Region																		
Beaver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Millard	2	40	6	6	23	4	11	7	5	15	34	7	56	1.40	0.85	3.83	2.27	67
Piute	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	30	10	10	55	4	10	4	3	17	65	4	86	2.87	2.17	5.50	3.82	82
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	2	70	16	16	78	8	21	11	8	32	99	11	142	2.03	1.41	4.88	3.09	75
Northeastern Region																		
Daggett	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	1	69	1	1	4	0	0	3	0	1	4	3	8	0.12	0.06	4.00	4.00	100
Uintah	2	115	2	2	11	0	0	13	2	4	11	13	28	0.24	0.10	5.50	2.75	50
REGIONAL TOTALS	3	184	3	3	15	0	0	16	2	5	15	16	36	0.20	0.08	5.00	3.00	60
Southeastern Region																		
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	12	684	49	49	229	24	104	47	33	106	333	47	486	0.71	0.49	4.67	3.14	69

Trend of pheasants observed per mile during summer roadside pheasant counts, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	0.21	0.56	0.34	0.72	0.23	0.31	0.17	--	--	--	1.35
Cache	0.41	0.59	1.09	--	--	--	--	--	--	--	--
Davis	0.39	0.15	0.01	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--
Weber	0.48	1.05	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	0.35	0.58	0.24	0.72	0.23	0.31	0.17	--	--	1.35	0.37
Central Region											
Juab	--	0.77	0.16	0.14	0.15	0.00	0.06	0.03	0.57	0.31	0.31
Salt Lake	1.24	--	0.31	--	--	--	--	--	--	--	--
Sanpete	0.85	0.67	0.35	0.53	0.38	0.72	0.56	0.68	0.56	0.31	0.31
Tooele	0.55	0.14	--	0.27	0.00	0.07	--	--	--	--	--
Utah	0.58	2.56	0.93	1.58	0.96	0.98	0.81	0.85	1.22	1.04	1.04
Wasatch	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	0.73	1.79	0.48	0.92	0.61	0.70	0.65	0.71	0.90	0.69	0.83
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--
Millard	0.38	--	1.38	--	--	--	--	0.68	0.26	1.40	1.40
Piute	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	0.71	1.19	2.87	2.87
Washington	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	0.38	--	1.38	--	--	--	--	0.69	0.77	2.03	0.80
Northeastern Region											
Daggett	--	--	--	--	--	--	--	--	--	--	--
Duchesne	0.59	0.22	0.14	0.22	0.23	0.17	0.13	0.06	0.03	0.12	0.12
Uintah	0.29	0.18	0.18	0.36	0.34	0.02	0.09	0.02	0.13	0.24	0.24
REGIONAL TOTALS	0.51	0.17	0.16	0.28	0.28	0.11	0.11	0.05	0.08	0.20	0.20
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	--
Emery	0.28	0.56	0.39	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	0.28	0.56	0.39	--	--	--	--	--	--	--	0.41
STATE TOTALS	0.51	0.75	0.40	0.68	0.44	0.46	0.41	0.57	0.61	0.71	0.54

Trend of young observed per mile during summer roadside pheasant counts, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	0.14	0.41	0.28	0.52	0.15	0.22	0.12	--	--	--	1.00
Cache	0.23	0.42	0.94	--	--	--	--	--	--	--	--
Davis	0.26	0.04	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--
Weber	0.30	0.77	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	0.21	0.41	0.19	0.52	0.15	0.22	0.12	--	--	1.00	0.26
Central Region											
Juab	--	0.62	0.08	0.08	0.12	0.00	0.06	--	0.23	0.23	0.23
Salt Lake	0.93	--	0.24	--	--	--	--	--	--	--	--
Sanpete	0.67	0.53	0.28	0.34	0.32	0.50	0.44	0.43	0.41	0.19	0.19
Tooele	0.53	0.11	--	0.10	--	0.03	--	--	--	--	--
Utah	0.49	1.97	0.69	1.12	0.72	0.71	0.60	0.56	0.82	0.76	0.76
Wasatch	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	0.59	1.38	0.37	0.63	0.47	0.50	0.49	0.46	0.60	0.49	0.61
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--
Millard	0.28	--	1.18	--	--	--	--	0.56	0.21	0.85	0.85
Piute	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	0.51	0.93	2.17	2.17
Washington	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	0.28	--	1.18	--	--	--	--	0.54	0.60	1.41	0.65
Northeastern Region											
Daggett	--	--	--	--	--	--	--	--	--	--	--
Duchesne	0.42	0.08	0.02	0.10	0.15	0.11	0.07	0.04	0.01	0.06	0.06
Uintah	0.21	0.10	0.13	0.25	0.25	0.00	0.03	--	0.04	0.10	0.10
REGIONAL TOTALS	0.37	0.08	0.07	0.17	0.20	0.07	0.06	0.03	0.02	0.08	0.12
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	--
Emery	0.22	0.43	0.29	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	0.22	0.43	0.29	--	--	--	--	--	--	--	0.31
STATE TOTALS	0.38	0.55	0.30	0.46	0.33	0.32	0.30	0.41	0.42	0.49	0.39

Trend of young per adult hen ratios found during summer roadside pheasant counts, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	1.92	3.04	4.67	3.32	3.29	3.44	3.50	--	--	--	3.33
Cache	1.57	3.38	6.00	--	--	--	--	--	--	--	--
Davis	3.00	1.00	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--
Weber	2.60	3.35	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	2.02	3.05	4.80	3.32	3.29	3.44	3.50	--	--	3.33	3.35
Central Region											
Juab	--	8.00	1.00	1.50	4.00	0.00	--	--	1.33	4.00	--
Salt Lake	4.22	--	10.00	--	--	--	--	--	--	--	--
Sanpete	4.17	4.60	4.77	2.15	9.00	3.00	4.29	2.29	3.78	2.29	--
Tooele	--	3.00	--	0.60	--	2.00	--	--	--	--	--
Utah	6.41	4.22	3.76	2.95	3.85	3.08	3.74	2.71	3.19	3.38	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	5.27	4.28	3.92	2.53	4.51	3.04	3.96	2.50	3.18	3.16	3.69
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--
Millard	4.86	--	7.23	--	--	--	--	5.78	21.00	2.27	--
Piute	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	3.59	4.83	3.82	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	4.86	--	7.23	--	--	--	--	5.02	5.50	3.09	5.65
Northeastern Region											
Daggett	--	--	--	--	--	--	--	--	--	--	--
Duchesne	3.81	0.86	1.00	3.40	3.67	3.60	4.00	7.00	1.00	4.00	--
Uintah	3.33	1.70	3.33	6.60	6.00	--	1.00	--	0.83	2.75	--
REGIONAL TOTALS	3.73	1.02	2.40	5.00	4.83	3.00	2.29	7.00	0.86	3.00	3.35
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	--
Emery	5.00	6.50	3.71	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	5.00	6.50	3.71	--	--	--	--	--	--	--	5.07
STATE TOTALS	3.81	3.40	4.31	2.84	4.44	3.08	3.75	3.53	3.54	3.14	3.63

Trend of the percent of hens observed with broods during summer roadside pheasant counts, 1991-2000.

Region and County	Year											Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		
Northern Region												
Box Elder	83	74	89	68	57	89	100	--	--	--	33	
Cache	70	38	100	--	--	--	--	--	--	--	--	
Davis	50	0	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	--	--	--	--	--	--	--	--	
Summit	--	--	--	--	--	--	--	--	--	--	--	
Weber	60	85	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	69	67	90	68	57	89	100	--	--	33	77	
Central Region												
Juab	--	--	100	50	100	0	--	--	67	100	--	
Salt Lake	89	--	100	--	--	--	--	--	--	--	--	
Sanpete	83	90	85	59	100	71	100	55	56	64	--	
Tooele	--	--	--	40	--	100	--	--	--	--	--	
Utah	76	86	94	75	78	63	83	60	74	70	--	
Wasatch	--	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	80	87	92	68	81	66	88	57	69	70	77	
Southern Region												
Beaver	--	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	--	--	--	--	--	--	--	
Iron	--	--	--	--	--	--	--	--	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	--	
Millard	100	--	85	--	--	--	--	94	100	67	--	
Piute	--	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	76	91	82	--	
Washington	--	--	--	--	--	--	--	--	--	--	--	
Wayne	--	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	100	--	85	--	--	--	--	88	92	75	91	
Northeastern Region												
Daggett	--	--	--	--	--	--	--	--	--	--	--	
Duchesne	84	--	50	60	33	80	67	100	100	100	--	
Uintah	100	--	67	100	100	0	50	0	17	50	--	
REGIONAL TOTALS	86	--	60	80	67	67	57	100	29	60	68	
Southeastern Region												
Carbon	--	--	--	--	--	--	--	--	--	--	--	
Emery	100	83	57	--	--	--	--	--	--	--	--	
Grand	--	--	--	--	--	--	--	--	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	100	83	57	--	--	--	--	--	--	--	80	
STATE TOTALS	79	85	85	69	76	68	85	69	72	69	77	

Trend of average brood size for pheasants, 1991-2000.

Region and County	Year										Average 1991-1999	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		
Northern Region												
Box Elder	3.20	4.00	5.40	6.78	6.67	4.00	--	--	--	--	17.00	
Cache	5.20	4.67	6.00	--	--	--	--	--	--	--	--	
Davis	6.00	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	--	--	--	--	--	--	--	--	
Summit	--	--	--	--	--	--	--	--	--	--	--	
Weber	4.33	3.94	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	4.53	4.03	5.50	6.78	6.67	4.00	--	--	--	--	17.00	5.25
Central Region												
Juab	--	8.00	2.00	3.00	4.00	0.00	--	0.00	2.00	4.00	--	
Salt Lake	4.25	--	7.00	--	--	--	--	--	--	--	--	
Sanpete	5.00	4.00	5.89	4.18	5.83	4.62	4.29	5.22	6.70	3.56	--	
Tooele	--	--	--	1.00	--	2.00	--	--	--	--	--	
Utah	5.13	5.44	3.78	4.13	4.89	4.72	4.70	4.93	4.68	4.39	--	
Wasatch	--	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	4.92	5.35	4.32	4.06	5.03	4.59	4.53	5.04	4.94	4.10	4.75	
Southern Region												
Beaver	--	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	--	--	--	--	--	--	--	
Iron	--	--	--	--	--	--	--	--	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	--	
Millard	5.40	--	--	--	--	--	--	5.64	--	3.83	--	
Piute	--	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	4.73	5.07	5.50	--	
Washington	--	--	--	--	--	--	--	--	--	--	--	
Wayne	--	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	5.40	--	--	--	--	--	--	5.36	5.07	4.88	5.28	
Northeastern Region												
Daggett	--	--	--	--	--	--	--	--	--	--	--	
Duchesne	4.50	0.68	2.00	5.67	--	3.00	4.00	1.75	1.00	4.00	--	
Uintah	3.33	3.00	4.75	6.60	6.00	--	--	0.00	5.00	5.50	--	
REGIONAL TOTALS	4.18	0.80	3.83	6.25	6.00	3.00	4.00	1.75	3.00	5.00	3.65	
Southeastern Region												
Carbon	--	--	--	--	--	--	--	--	--	--	--	
Emery	4.50	7.00	6.50	--	--	--	--	--	--	--	--	
Grand	--	--	--	--	--	--	--	--	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	4.50	7.00	6.50	--	--	--	--	--	--	--	6.00	
STATE TOTALS	4.61	3.93	5.81	4.68	5.24	4.33	4.49	5.02	4.91	4.67	4.78	

Summary of pheasant hunter success and distribution of harvest and hunting pressure by region and county, 2000.

Region and County	Sample Size*	Hunters Afield	Hunter-Days Afield	Pheasants Bagged	Pheasants Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	277	5,304	14,726	7,430	0.50	12.89	12.36
Cache	274	5,247	16,430	7,736	0.47	14.38	12.87
Davis	96	1,838	4,921	938	0.19	4.31	1.56
Morgan	0	0	0	0	0.00	0.00	0.00
Rich	2	38	96	115	1.20	0.08	0.19
Summit	0	0	0	0	0.00	0.00	0.00
Weber	94	1,800	5,094	1,264	0.25	4.46	2.10
REGIONAL TOTALS	743	14,227	41,267	17,483	0.42	36.13	29.09
Central Region							
Juab	106	2,030	4,979	3,543	0.71	4.36	5.89
Salt Lake	23	440	977	555	0.57	0.86	0.92
Sanpete	129	2,470	7,219	4,289	0.59	6.32	7.14
Tooele	101	1,934	5,381	1,953	0.36	4.71	3.25
Utah	460	8,809	21,409	11,681	0.55	18.74	19.43
Wasatch	6	115	211	96	0.45	0.18	0.16
REGIONAL TOTALS	825	15,798	40,176	22,117	0.55	35.17	36.80
Southern Region							
Beaver	7	134	383	268	0.70	0.34	0.45
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	8	153	498	287	0.58	0.44	0.48
Kane	0	0	0	0	0.00	0.00	0.00
Millard	151	2,892	7,890	5,879	0.75	6.91	9.78
Piute	3	57	96	57	0.59	0.08	0.09
Sevier	102	1,953	6,243	3,504	0.56	5.47	5.83
Washington	18	345	1,053	613	0.58	0.92	1.02
Wayne	5	96	134	38	0.28	0.12	0.06
REGIONAL TOTALS	294	5,630	16,297	10,646	0.65	14.27	17.71
Northeastern Region							
Daggett	1	19	57	19	0.33	0.05	0.03
Duchesne	89	1,704	4,232	2,949	0.70	3.70	4.91
Uintah	82	1,570	4,921	3,083	0.63	4.31	5.13
REGIONAL TOTALS	172	3,293	9,210	6,051	0.66	8.06	10.07
Southeastern Region							
Carbon	38	728	2,240	996	0.44	1.96	1.66
Emery	68	1,302	4,481	2,489	0.56	3.92	4.14
Grand	5	96	555	326	0.59	0.49	0.54
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	111	2,126	7,276	3,811	0.52	6.37	6.34
STATE TOTALS	2145	41,074	114,226	60,108	0.53	100.00	100.00

*Total hunter trips from questionnaire returns.

Statewide summary of pheasant harvest statistics, 1948-2000.

Year	Total Hunters	Total Harvest	Hunter-Days Afield	Pheasants Per Hunter-Day	Pheasants Hunter Per
1948	96,534	280,914	--	--	2.91
1949	88,369	263,340	189,453	1.39	2.98
1950	92,724	249,428	235,309	1.06	2.69
1951	76,576	246,575	171,233	1.44	3.22
1952	78,773	246,559	185,383	1.33	3.13
1953	82,595	245,307	176,480	1.39	2.97
1954	82,370	260,289	201,774	1.29	3.16
1955	78,793	196,195	178,359	1.10	2.49
1956	77,826	206,239	182,512	1.13	2.65
1957	83,025	228,319	170,387	1.34	2.75
1958	88,290	309,015	220,725	1.40	3.50
1959	86,268	243,276	202,730	1.21	2.82
1960	81,976	232,812	177,719	1.31	2.84
1961	83,493	238,439	243,305	0.98	2.86
1962	86,336	262,448	209,921	1.25	3.04
1963	87,647	297,873	198,582	1.50	3.40
1964	88,242	225,775	196,314	1.15	2.56
1965	77,409	211,876	186,215	1.14	2.74
1966	78,721	249,814	209,082	1.19	3.17
1967	85,664	284,000	257,033	1.10	3.32
1968	90,453	297,752	267,788	1.11	3.29
1969	90,573	250,241	277,887	0.90	2.76
1970	78,585	250,503	244,958	1.02	3.19
1971	87,878	259,189	294,618	0.88	2.95
1972	84,311	240,573	327,669	0.73	2.85
1973	75,968	196,012	278,033	0.70	2.58
1974	85,252	167,408	282,294	0.59	1.96
1975	77,566	143,783	234,615	0.61	1.85
1976	74,029	151,476	214,023	0.71	2.05
1977	67,195	148,168	191,142	0.78	2.21
1978	83,800	220,398	257,305	0.86	2.63
1979	87,462	216,700	266,245	0.81	2.48
1980	84,868	228,442	249,770	0.91	2.69
1981	83,408	234,217	265,381	0.88	2.81
1982	85,368	208,437	280,624	0.74	2.44
1983	77,847	220,074	265,731	0.83	2.83
1984	76,840	192,190	258,169	0.74	2.50
1985	69,889	146,807	233,328	0.63	2.10
1986	59,987	114,389	207,346	0.55	1.91
1987	57,118	119,236	199,470	0.60	2.09
1988	54,514	97,658	184,180	0.53	1.79
1989	50,382	80,769	177,364	0.46	1.60
1990	47,025	78,944	161,634	0.49	1.68
1991	42,813	72,612	150,096	0.48	1.70
1992	41,640	85,803	150,244	0.57	2.06
1993	39,640	63,336	141,399	0.45	1.60
1994	36,705	68,698	129,872	0.53	1.87
1995	38,391	71,202	142,755	0.50	1.85
1996	41,854	83,987	157,755	0.53	2.01
1997	37,622	78,693	140,135	0.56	2.09
1998	35,130	77,889	126,792	0.61	2.22
1999	36,211	77,545	120,502	0.64	2.14
2000	41,074	60,108	114,226	0.53	1.46
Totals (1948-2000)	3,803,029	9,981,732	10,785,866	--	--
Averages (1948-1999)	72,345	190,800	209,248	0.89	2.54
% Change From Previous Year	13	-22	-5	-18	-32
% Change From Average	-43	-68	-45	-41	-42

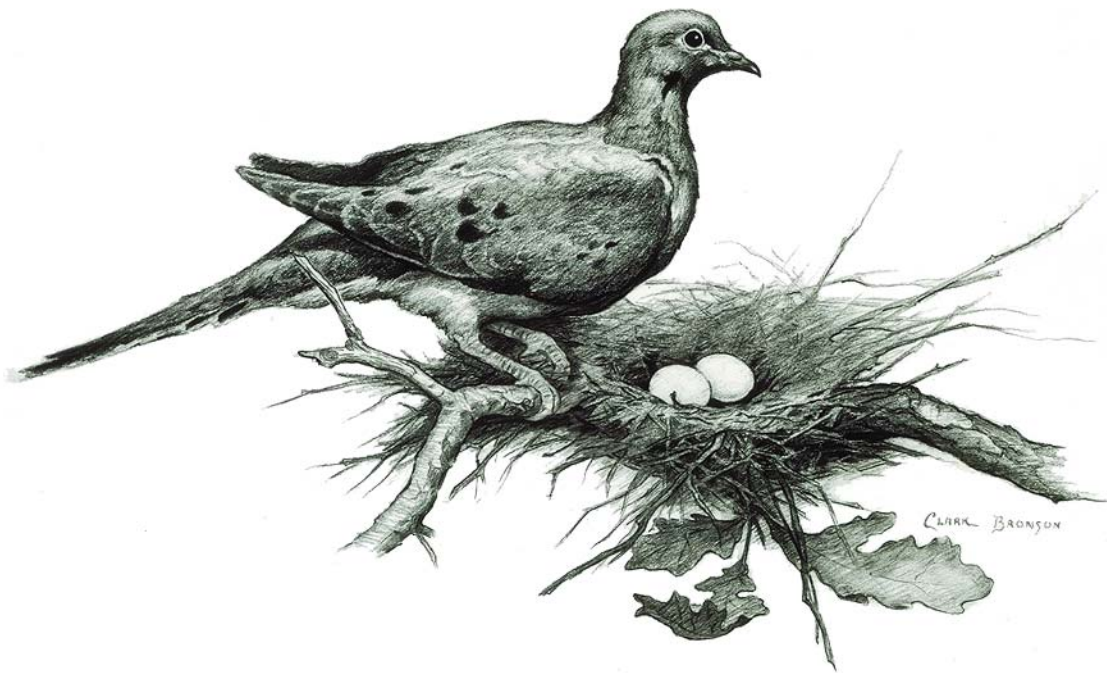
Trends of pheasant field bag checks, 1982-2000.

Year	Complete Hunts				
	Hunters Checked From All Hunts	Hours Hunted From All Hunts	Pheasants Per Hunter Day	Pheasants Per 100 Hours	Hours Per Hunter Day
1982	4,180	14,550	0.71	17	4.30
1983	4,532	15,609	0.85	19	4.30
1984	3,154	8,257	0.58	19	3.10
1985	3,474	9,825	0.44	13	3.30
1986	3,223	9,103	0.39	12	3.40
1987	2,580	6,562	0.32	13	2.50
1988	2,564	7,328	0.35	11	3.10
1989	2,086	5,917	0.30	10	2.90
1990	1,671	5,306	0.36	12	3.18
1991	217	570	0.42	16	2.63
1992	437	558	0.46	36	1.28
1993	417	698	0.31	19	1.67
1994	197	436	0.31	14	2.21
1995	634	1,891	0.33	11	2.98
1996	114	262	0.38	16	2.30
1997	140	301	0.36	17	2.15
1998	195	397	0.46	24	1.91
1999	279	645	0.38	16	2.35
2000	261	676	0.53	12	2.59
Averages					
(1982-1999)	1,672	4,901	0.43	16	2.75
% Change From Previous Year	-6	5	39	-25	10
% Change From Average	-84	-86	24	-27	-6

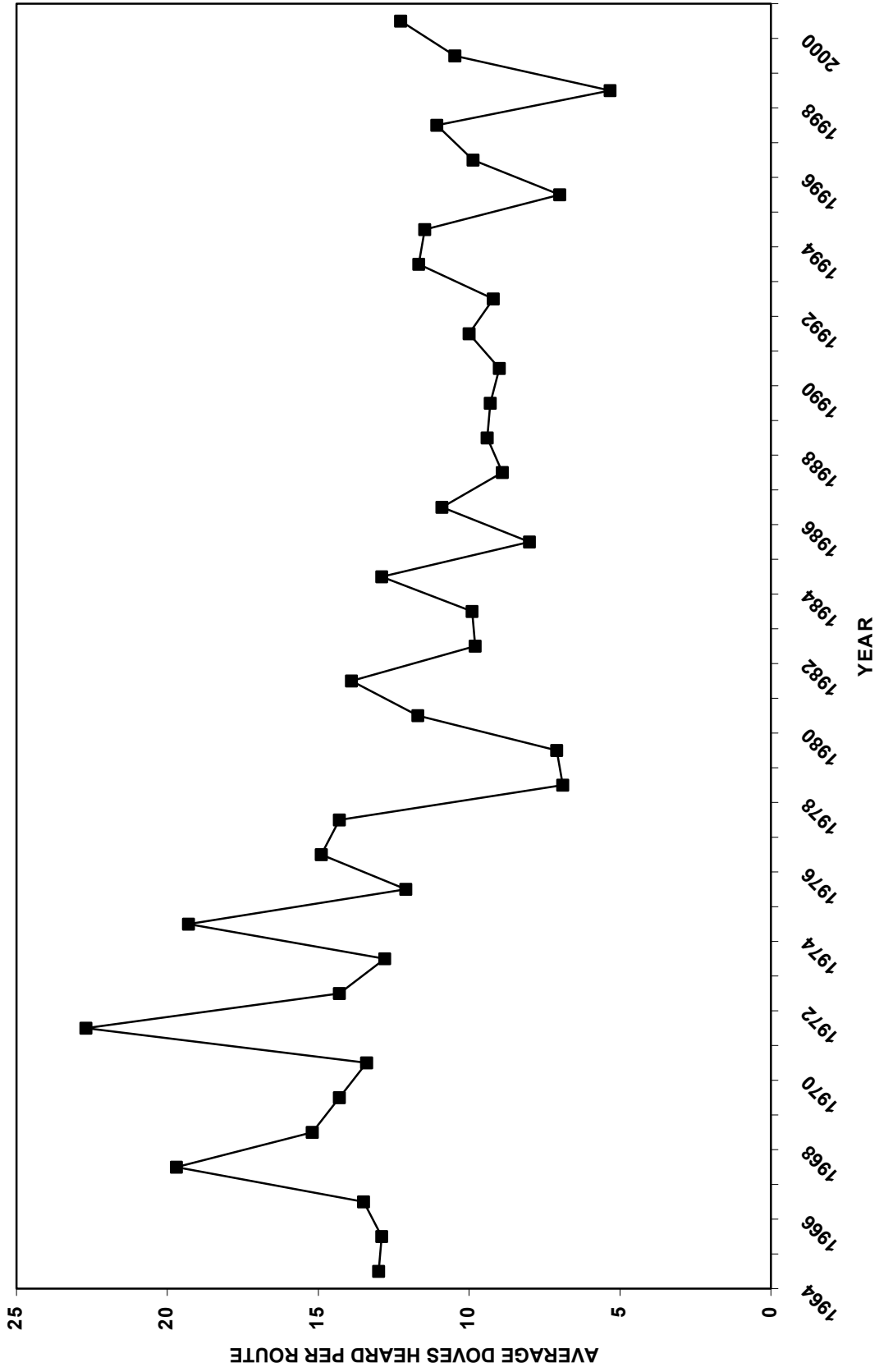
Trends of spring pheasant breeding territory counts, 1994-2000.

Region and County	Territorial Males per Square Mile								Average 1994-1999
	Year								
	1994	1995	1996	1997	1998	1999	2000		
Northern Region									
Spring Creek-1	6.00	--	8.00	--	--	--	--	--	7.00
Spring Creek-2	7.00	--	13.00	--	--	--	--	--	10.00
Bud Phelps WMA	5.00	--	10.00	--	--	--	--	--	7.50
Mendon	3.00	--	4.00	--	--	--	--	--	3.50
Pertersboro	0.00	--	2.00	--	--	--	--	--	1.00
REGIONAL AVERAGE	4.20	--	7.40	--	--	--	--	--	5.80
Central Region									
North Utah County (Sections 26,27,30,31)	--	1.97	2.80	2.48	4.66	5.95	4.70	3.57	
Central Utah County (Sections 4,18)	--	6.83	8.80	5.88	6.99	10.97	7.00	7.89	
South Utah County (Sections 11,25)	--	0.83	0.00	0.67	2.17	2.63	1.70	1.26	
REGIONAL AVERAGE	--	3.21	3.87	3.01	4.61	6.52	4.47	4.24	
Southern Region									
Clear Lake WMA (Entire WMA)	--	7.00	16.00	--	--	--	--	11.50	
Pahvant WMA (Entire WMA)	--	3.00	9.00	--	--	--	--	6.00	
REGIONAL AVERAGE	--	5.00	12.50	--	--	--	--	8.75	
Northeastern Region									
Daggett	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--
REGIONAL AVERAGE	--	--	--	--	--	--	--	--	--
Southeastern Region									
Carbon	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--
Huntington	--	--	--	--	15.50	10.50	12.00	13.00	
Lawrence	--	--	--	--	24.50	24.50	23.00	24.50	
Castle Dale	--	--	--	--	7.00	7.50	3.00	7.25	
Moore	--	--	--	--	13.00	53.00	4.00	33.00	
Grand	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--
REGIONAL AVERAGES	--	--	--	--	15.00	23.88	10.50	19.44	
STATE AVERAGES	4.20	4.11	7.92	3.01	9.80	15.20	7.48	7.37	

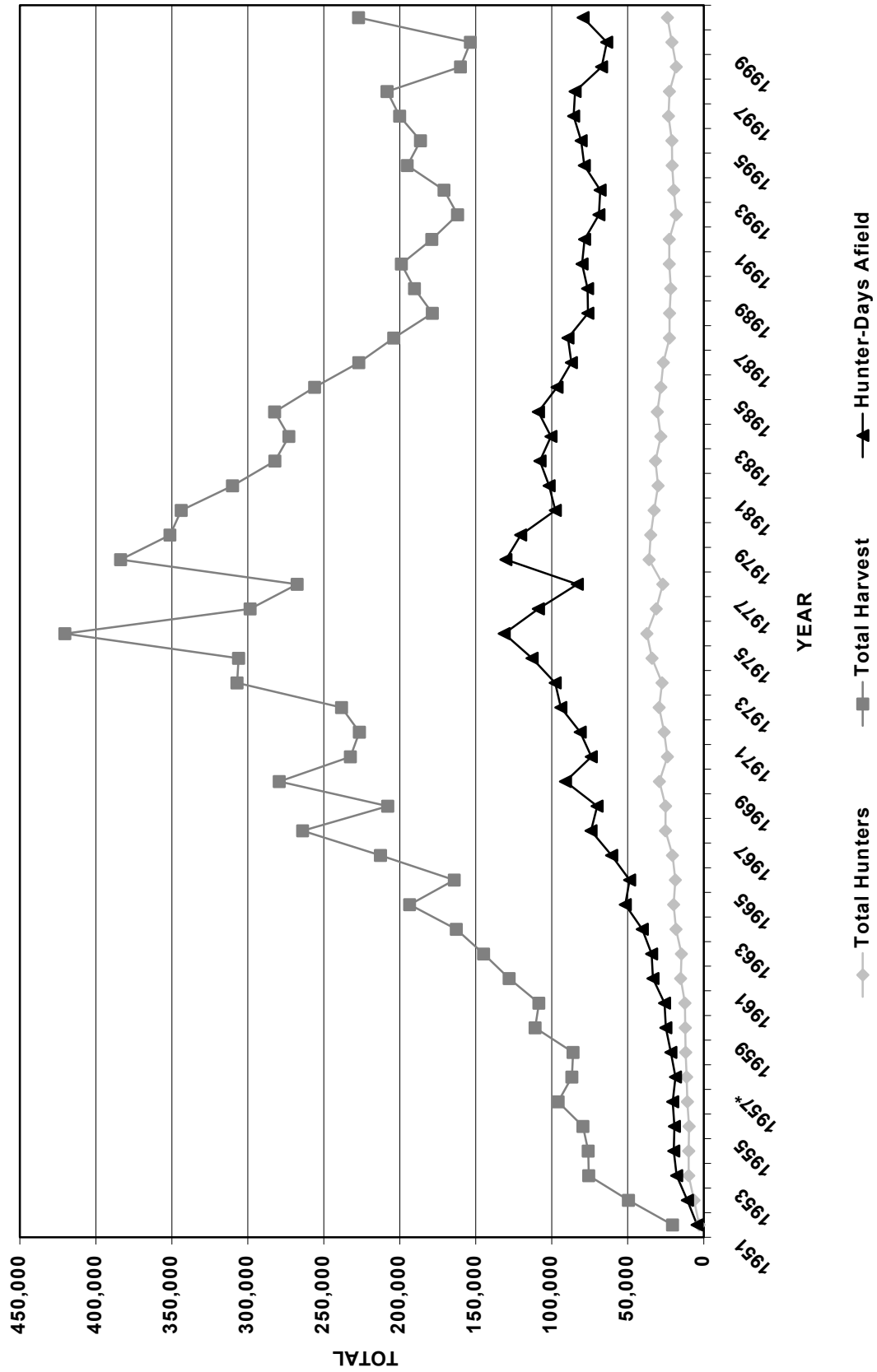
MOURNING DOVE



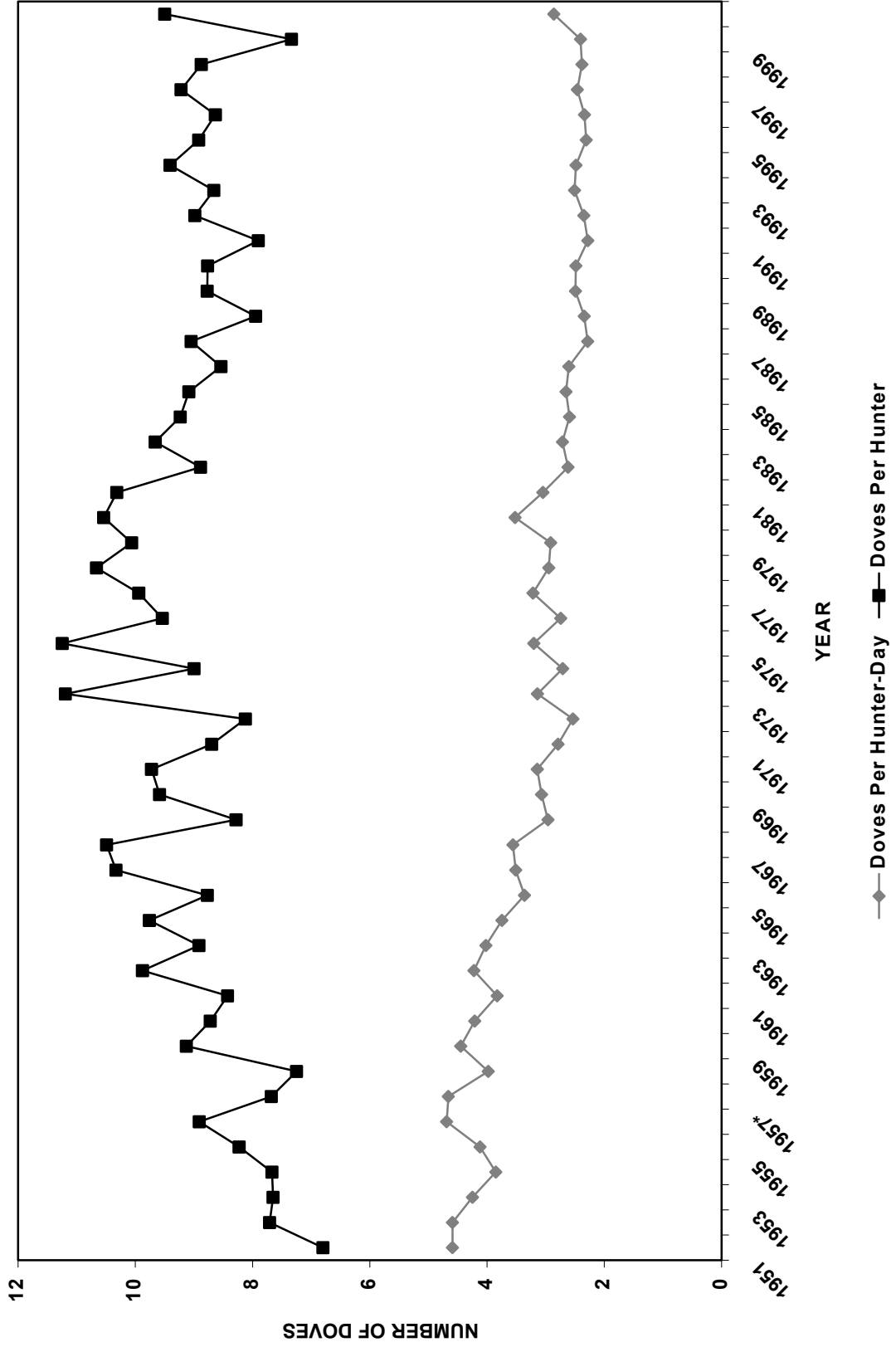
Mourning Dove breeding density index trend, 1964-2000.



Statewide trends of Mourning Dove harvest statistics, 1951-2000.



Statewide trends of Mourning Dove hunter success rates, 1951-2000.



Summary of the Mourning Dove call-count survey for 2000.

Region and County	Route Number	Total Doves Heard Per Route	Total Doves Observed Per Route
Northern Region			
Box Elder	R1500	3	9
Summit	R1020	1	3
REGIONAL TOTALS		4	12
Central Region			
Juab	R2830	37	2
REGIONAL TOTALS		37	2
Southern Region			
Beaver	R3820	22	19
Garfield	R1090	13	0
Iron	R4001	26	4
Millard	R3640	7	0
Sevier-Sanpete	R0370	6	15
Washington	R4311	5	9
Wayne-Sevier	R0660	27	1
REGIONAL TOTALS		106	48
Northeastern Region			
Duchesne	R0080	5	1
Uintah	R0220	2	3
REGIONAL TOTALS		7	4
Southeastern Region			
Emery	R0540	4	1
San Juan	R1171	22	15
San Juan	R1451	4	0
REGIONAL TOTALS		30	16
STATE TOTALS		184	82
STATE AVERAGES		12.27	5.47
% Change From			
Previous Year		17	3
Previous Year Averages		10.47	5.33

Trends of Mourning Dove call count surveys, 1964-2000.

Year	Doves Heard Per Route	Calls Heard Per Route	Doves Observed Per Route
1964	13.00	73.40	13.50
1965	12.90	49.30	17.30
1966	13.50	67.50	13.50
1967	19.70	79.50	19.70
1968	15.20	82.70	17.10
1969	14.30	80.70	20.20
1970	13.40	54.30	20.70
1971	22.70	83.60	27.50
1972	14.30	55.70	8.60
1973	12.80	46.30	4.50
1974	19.30	74.80	22.00
1975	12.10	31.00	12.40
1976	14.90	69.50	14.90
1977	14.30	51.10	10.90
1978	6.90	25.50	7.70
1979	7.10	28.10	5.80
1980	11.70	49.60	8.10
1981	13.90	66.90	19.50
1982	9.80	42.10	6.60
1983	9.90	43.20	9.50
1984	12.90	58.70	28.30
1985	8.00	32.20	10.50
1986	10.90	46.60	13.60
1987	8.90	36.20	9.50
1988	9.40	42.40	18.50
1989	9.30	43.50	19.90
1990	9.00	53.90	11.80
1991	10.00	--	8.00
1992	9.20	--	5.53
1993	11.67	--	9.07
1994	11.47	--	7.27
1995	7.00	--	3.80
1996	9.87	--	8.53
1997	11.07	--	6.87
1998	5.33	--	3.33
1999	10.47	--	5.33
2000	12.27	--	5.47
Averages (1964-1999)	11.84	54.38	12.50
% Change From Previous Year	17	--	3
% Change From Average	4	--	-56

Regional and county summary of Mourning Dove breeding population trend as indicated by the number of doves heard per route during random call count surveys, 1991-2000.

Region and County	Route Number	Number of Mourning Doves Heard Per Route										
		1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region												
Box Elder	R1500	1	4	5	7	4	0	3	--	3	3	3
Summit	R1020	3	4	4	4	1	1	3	3	5	1	1
REGIONAL TOTALS		4	8	9	11	5	1	6	3	8	4	4
Central Region												
Juab	R2830	38	15	42	41	23	41	22	--	47	37	37
REGIONAL TOTALS		38	15	42	41	23	41	22	0	47	37	37
Southern Region												
Beaver	R3820	--	3	1	16	5	1	12	5	5	22	22
Garfield	R1090	0	3	2	0	0	0	0	0	0	13	13
Iron	R4001	15	26	49	40	9	4	37	26	24	26	26
Millard	R3640	8	7	7	10	5	16	7	8	3	7	7
Sevier-Sanpete	R0370	2	5	2	6	3	5	6	4	5	6	6
Washington	R4311	14	12	16	20	14	1	4	1	2	5	5
Wayne-Sevier	R0660	0	3	6	0	4	15	3	0	8	27	27
REGIONAL TOTALS		39	59	83	92	40	42	69	44	47	106	106
Northeastern Region												
Duchesne	R0080	7	3	2	--	2	6	3	4	12	5	5
Uintah	R0220	3	2	3	7	5	6	3	1	7	2	2
REGIONAL TOTALS		10	5	5	7	7	12	6	5	19	7	7
Southeastern Region												
Emery	R0540	5	8	14	13	18	7	30	17	8	4	4
San Juan	R1171	38	34	21	8	12	43	19	10	27	22	22
San Juan	R1451	3	9	1	0	0	2	14	1	1	4	4
REGIONAL TOTALS		46	51	36	21	30	52	63	28	36	30	30
STATE TOTALS		137	138	175	172	105	148	166	80	157	184	184
STATE AVERAGES		9.79	9.20	11.67	12.29	7.00	9.87	11.07	6.15	10.47	12.27	12.27
% Change From												
Previous Year		1	-6	27	5	-43	41	12	-44	70	17	17

Summary of Mourning Dove hunter success and distribution of harvest and hunting pressure by region and county, 2000.

Region and County	Sample Size*	Hunters Afield	Hunter-Days Afield	Doves Bagged	Doves Per Hunter-Day	Percent Pressure
Northern Region						
Box Elder	111	2,126	6,549	15,415	2.35	8.25
Cache	76	1,455	5,955	9,613	1.61	7.50
Davis	28	536	1,762	2,489	1.41	2.22
Morgan	9	172	517	1,589	0.00	0.65
Rich	3	57	57	19	0.33	0.07
Summit	1	19	19	115	0.00	0.02
Weber	22	421	1,819	2,509	1.38	2.29
REGIONAL TOTALS	250	4,786	16,678	31,749	1.90	21.02
Central Region						
Juab	123	2,355	6,224	19,858	3.19	7.84
Salt Lake	25	479	1,609	9,307	5.78	2.03
Sanpete	60	1,149	4,194	9,498	2.26	5.29
Tooele	129	2,470	7,698	19,073	2.48	9.70
Utah	287	5,496	17,866	46,494	2.60	22.51
Wasatch	12	230	1,264	3,887	3.08	1.59
REGIONAL TOTALS	636	12,179	38,855	108,117	2.78	48.96
Southern Region						
Beaver	23	440	1,743	11,681	6.70	2.20
Garfield	5	96	613	574	0.00	0.77
Iron	34	651	2,049	7,832	3.82	2.58
Kane	4	77	211	249	0.00	0.27
Millard	118	2,260	6,779	26,598	3.92	8.54
Piute	2	38	96	268	2.79	0.12
Sevier	48	919	4,615	12,715	2.76	5.82
Washington	32	613	2,432	10,551	4.34	3.06
Wayne	0	0	0	0	0.00	0.00
REGIONAL TOTALS	266	5,094	18,538	70,468	3.80	23.36
Northeastern Region						
Daggett	0	0	0	0	0.00	0.00
Duchesne	19	364	919	2,662	2.90	1.16
Uintah	29	555	1,838	6,338	3.45	2.32
REGIONAL TOTALS	48	919	2,757	9,000	3.26	3.47
Southeastern Region						
Carbon	9	172	268	326	1.22	0.34
Emery	19	364	1,226	4,366	3.56	1.54
Grand	9	172	498	1,877	3.77	0.63
San Juan	12	230	536	1,245	0.00	0.68
REGIONAL TOTALS	49	938	2,528	7,814	3.09	3.19
STATE TOTALS	1,249	23,916	79,356	227,148	2.86	100.00

*Total hunter trips from questionnaire returns.

Statewide summary of Mourning Dove harvest statistics, 1951-2000.

Year	Total Hunters	Total Harvest	Hunter-Days Afield	Doves Per Hunter-Day	Doves Per Hunter
1951	3,007	20,448	4,455	4.59	6.80
1952	6,420	49,498	10,784	4.59	7.71
1953	9,887	75,636	17,797	4.25	7.65
1954	9,901	75,941	19,724	3.85	7.67
1955	9,653	79,444	19,282	4.12	8.23
1956	10,744	95,729	20,411	4.69	8.91
1957*	11,298	86,769	18,620	4.66	7.68
1958	11,853	85,934	21,591	3.98	7.25
1959	12,142	110,856	24,911	4.45	9.13
1960	12,440	108,477	25,766	4.21	8.72
1961	15,192	128,001	33,434	3.83	8.43
1962	14,663	144,826	34,281	4.22	9.88
1963	18,258	162,769	40,490	4.02	8.91
1964	19,829	193,538	51,671	3.75	9.76
1965	18,710	164,087	48,835	3.36	8.77
1966	20,594	212,696	60,608	3.51	10.33
1967	25,161	263,949	74,171	3.56	10.49
1968	25,105	207,922	70,186	2.96	8.28
1969	29,131	279,311	90,965	3.07	9.59
1970	23,908	232,469	73,984	3.14	9.72
1971	26,064	226,645	81,271	2.79	8.70
1972	29,341	238,354	94,046	2.53	8.12
1973	27,435	307,062	97,788	3.14	11.19
1974	34,021	306,076	112,967	2.71	9.00
1975	37,378	420,308	131,312	3.20	11.24
1976	31,293	298,505	108,780	2.74	9.54
1977	26,905	267,487	83,218	3.21	9.94
1978	35,985	383,696	130,173	2.95	10.66
1979	34,903	351,161	120,459	2.92	10.06
1980	32,627	343,851	97,644	3.52	10.54
1981	30,060	310,068	101,728	3.05	10.31
1982	31,756	282,188	107,728	2.62	8.89
1983	28,258	272,979	100,568	2.71	9.66
1984	30,573	282,307	108,793	2.59	9.23
1985	28,183	256,045	96,507	2.65	9.09
1986	26,583	226,985	87,084	2.61	8.54
1987	22,553	204,030	89,378	2.28	9.05
1988	22,457	178,469	76,219	2.34	7.95
1989	21,696	190,328	76,372	2.49	8.77
1990	22,700	199,007	80,076	2.49	8.77
1991	22,632	178,853	78,405	2.28	7.90
1992	18,021	161,902	68,937	2.35	8.98
1993	19,725	170,834	68,143	2.51	8.66
1994	20,743	195,089	78,594	2.48	9.41
1995	20,896	186,336	80,688	2.31	8.92
1996	23,180	200,167	85,613	2.34	8.64
1997	22,594	208,331	84,638	2.46	9.22
1998	18,030	160,014	67,234	2.38	8.87
1999	20,926	153,487	63,796	2.41	7.33
2000	23,916	227,148	79,356	2.86	9.50
Totals					
(1951-2000)	1,099,330	10,166,012	3,499,481	--	--
Averages					
(1951-1999)	21,947	202,834	69,798	3.18	9.00
% Change From					
Previous Year	14	48	24	19	29
% Change From					
Average	9	12	14	-10	6

* Estimated; Bag limit increased to 15 in 1982, and reduced to 10 in 1987.

Mourning Dove field bag check summary, 2000.

Region and County	All Hunts					Complete Hunts					
	Total Parties	Total Hunters	Total Hours	Total Birds	Birds Per 100 Hrs	Complete Hunts	Total Hunters	Total Hours	Total Birds	Birds Per 100 Hrs	Birds Per Hunter
Northern Region											
Box Elder	--	--	--	--	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
Central Region											
Juab	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--
Utah	58	118	323	261	81	25	58	168	175	104	3.02
Wasatch	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	58	118	323	261	81	25	58	168	175	104	3.02
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
Northeastern Region											
Daggett	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
Lehi Check Station											
Nephi Check Station	48	102	424	410	97	31	69	287	338	118	4.90
Thiokol Check Station	21	38	57	113	198	16	30	57	113	198	3.77
STATE TOTALS	127	258	804	784	98	72	157	512	626	122	3.99

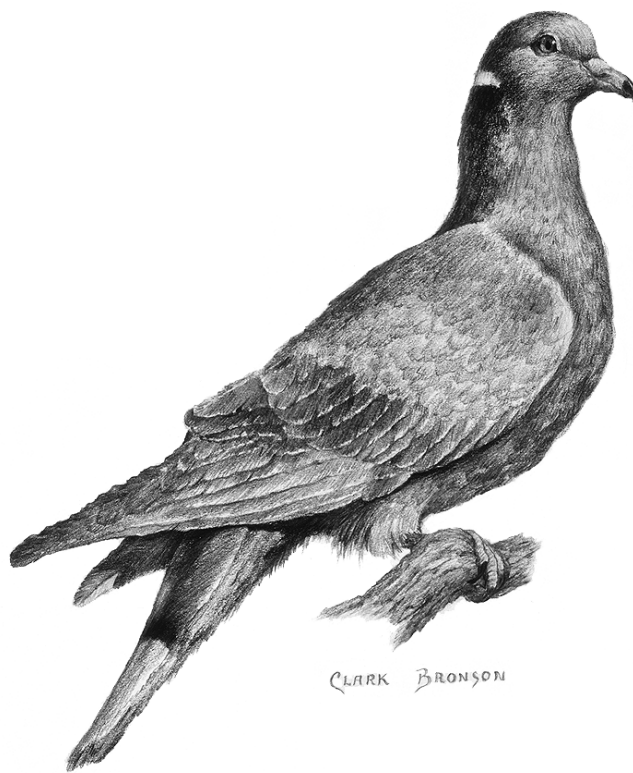
Mourning Dove hunter success trend as determined by field bag checks, 1991-2000.

Region and County	1991		1992		1993		1994		1995		1996		1997		1998		1999		2000		
	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	Birds/ 100 Hr Hunter	
Northern Region																					
Box Elder	200	2.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Davis	158	1.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	73	1.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	147	1.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Central Region																					
Juab	64	2.49	--	--	110	5.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	14	0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Utah	76	2.86	--	--	117	4.42	--	--	--	--	--	--	--	--	--	--	--	--	--	104	3.02
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	70	2.69	--	--	115	4.64	--	--	--	--	--	--	--	--	--	--	--	--	--	104	3.02
Southern Region																					
Beaver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Plute	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Northeastern Region																					
Daggett	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region																					
Carbon	--	--	219	7.08	280	7.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	300	7.50	265	4.07	198	7.92	327	6.13	121	2.71	--	--	100	1.60	--	--	--	--	--	--	--
Grand	--	--	--	--	200	1.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	250	5.00	--	--	--	--	154	4.05	144	2.57	--	--	210	5.79	238	5.17	--	--	--	--	--
REGIONAL TOTALS	294	7.14	235	5.46	202	6.93	193	4.64	127	2.67	--	--	210	5.79	186	3.55	--	--	--	--	--
Lehi Check Station	76	2.86	50	2.73	130	4.43	88	3.09	40	1.58	30	1.19	31	1.03	--	--	--	--	--	--	--
Nephi Check Station	64	2.49	84	4.01	110	5.26	127	3.79	114	4.13	66	2.48	115	3.61	59	2.33	81	3.57	118	4.90	4.90
Thiokol Check Station	--	--	127	3.64	141	5.21	--	--	95	4.66	56	2.70	95	3.24	121	5.05	84	4.04	198	3.77	3.77
STATE TOTALS	73	2.70	60	2.85	112	4.36	83	2.88	56	2.22	28	1.16	28	1.76	44	1.76	43	1.75	122	3.99	3.99

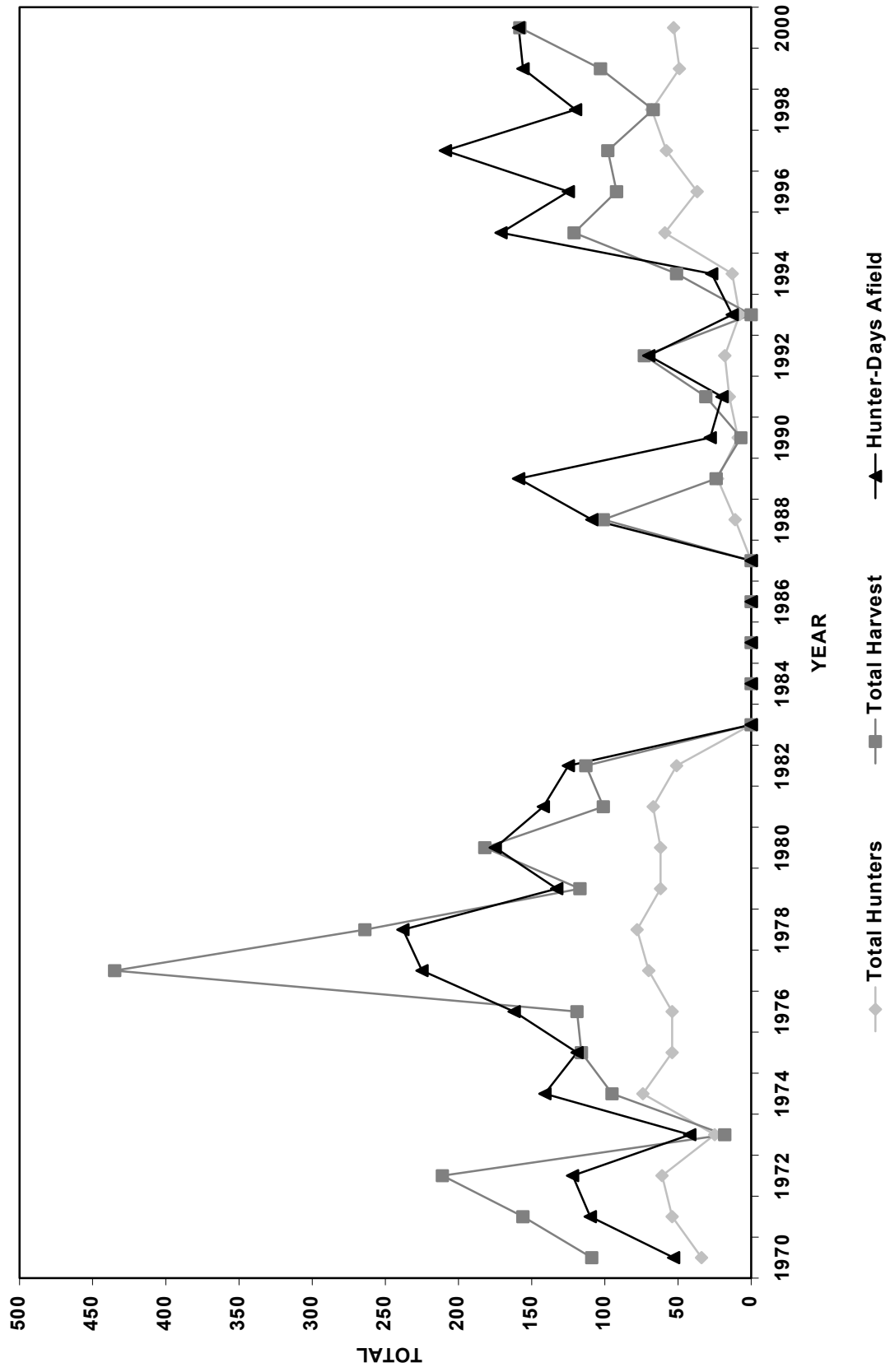
Ags composition (Immatures/100 Adults) of Mourning Doves Harvested, 1991-2000.

Region and County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	1991-1999 Average	
	I/ 100A(n)	I/ 100A(n)	I/ 100A(n)	I/ 100A(n)	I/ 100A(n)	I/ 100A(n)	I/ 100A(n)	I/ 100A(n)	I/ 100A(n)	I/ 100A(n)	I/ 100A(n)	I/ 100A(n)
Northern Region												
Box Elder	--	--	--	--	--	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
Central Region												
Juab	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	83	11	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	83	11	--	--	--	12	18	--	48
Southern Region												
Beaver	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	141	41	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	141	41	--	--	--	--	--	--	141
Northeastern Region												
Daggett	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region												
Carbon	--	68	84	64	18	--	--	--	--	--	--	--
Emery	81	96	169	70	104	104	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	36	30	63	150	--	132	95	60	176	--	--	--
REGIONAL TOTALS	68	126	81	304	97	122	132	95	60	176	--	67
Lehi Check Station	109	587	--	--	95	1048	151	601	124	452	77	525
Nepht Check Station	126	772	93	406	72	588	123	515	84	730	86	546
Thiokol Check Station	115	370	90	177	80	289	154	424	142	445	98	493
STATE TOTALS	114	1,855	92	887	86	2,047	73	1,635	96	1,855	116	1,564
								100	1,652	120	620	138
								274	138	274	100	1,637
											102	1377

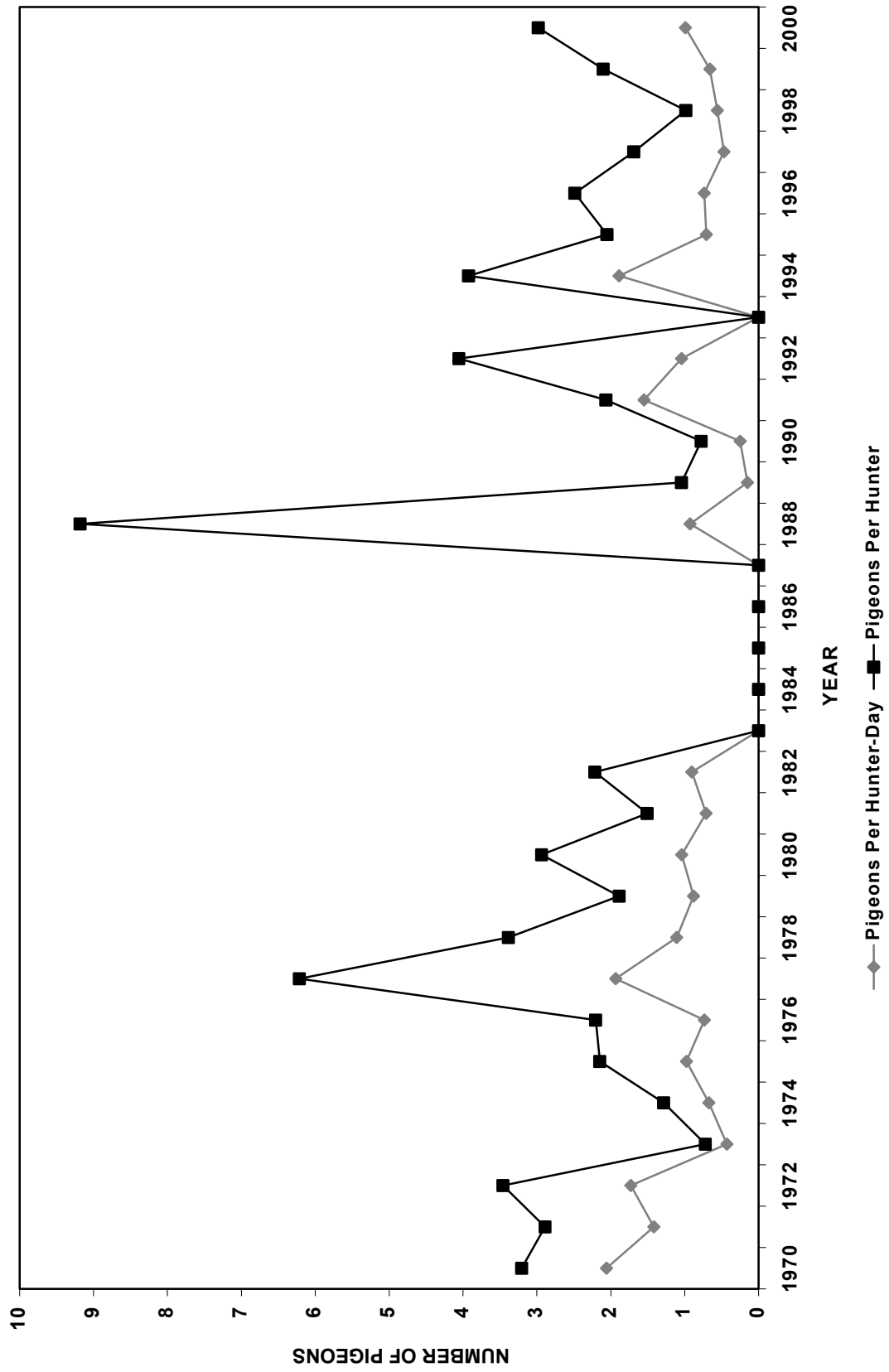
BAND-TAILED PIGEON



Statewide trends of Band-tailed Pigeon harvest statistics, 1970-2000.



Statewide trends of Band-tailed Pigeon hunter success rates, 1970-2000.



Summary of Band-tailed Pigeon hunter success and distribution of harvest and hunting pressure by region and county, 2000.

Region and County	Hunters Afield	Hunter-Days Afield	Pigeons Bagged	Pigeons Per Hunter-Day	Pigeons Per Hunter	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Central Region							
Juab	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Southern Region							
Beaver	3	3	0	0.00	0.00	1.89	0.00
Garfield	--	--	--	--	--	--	--
Iron	0	0	0	0.00	0.00	0.00	0.00
Kane	0	0	0	0.00	0.00	0.00	0.00
Millard	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--
Washington	6	14	0	0.00	0.00	8.81	0.00
Wayne	--	--	--	--	--	--	--
REGIONAL TOTALS	9	17	0	0.00	0.00	10.69	0.00
Northeastern Region							
Daggett	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--
Blue Mountain	--	--	--	--	--	--	--
Diamond Mountain	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Southeastern Region							
Carbon	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--
Blue Mountain-Elk Ridge	3	3	3	1.00	1.00	1.89	1.90
LaSal Mountains	8	50	3	0.06	0.38	31.45	1.90
REGIONAL TOTALS	11	53	6	0.11	0.55	33.33	3.80
Other	33	89	152	1.71	0.55	55.97	96.20
STATE TOTALS	53	159	158	0.99	2.98	100.00	100.00

Projection Factor = 2.766667

332 Permits Sold

120 Respondents

36% Questionnaire Return Rate

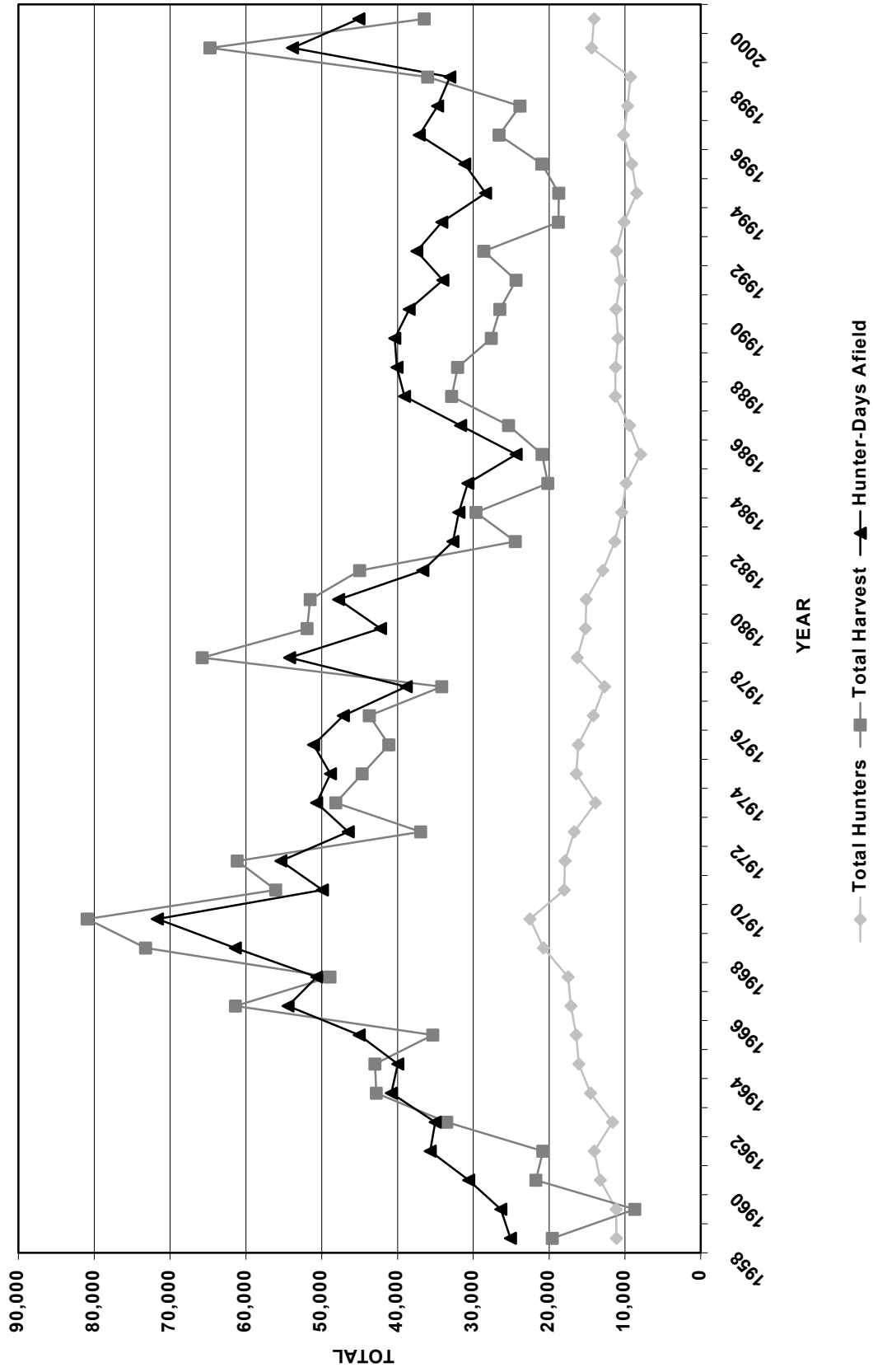
Statewide summary of Band-tailed Pigeon harvest statistics, 1970-2000.

Year	Total Hunters	Total Harvest	Hunter-Days Afield	Pigeons Per Hunter-Day
1970	34	109	53	2.06
1971	54	156	110	1.42
1972	61	211	122	1.73
1973	25	18	42	0.43
1974	74	95	141	0.67
1975	54	116	119	0.97
1976	54	119	162	0.73
1977	70	435	225	1.93
1978	78	264	238	1.11
1979	62	117	133	0.88
1980	62	182	175	1.04
1981	67	101	142	0.71
1982	51	113	125	0.90
1983	--	--	--	--
1984	--	--	--	--
1985	--	--	--	--
1986	--	--	--	--
1987	--	--	--	--
1988	11	101	109	0.93
1989	23	24	159	0.15
1990	9	7	28	0.25
1991	15	31	20	1.55
1992	18	73	70	1.04
1993	8	0	13	0.00
1994	13	51	27	1.89
1995	59	121	171	0.71
1996	37	92	125	0.74
1997	58	98	209	0.47
1998	68	67	120	0.56
1999	49	103	156	0.66
2000	53	158	159	0.99
Totals (1970-2000)	1,167	2,962	3,153	--
Averages (1970-1999)	45	112	120	0.94
% Change From Previous Year	8	53	2	50
% Change From Average	19	41	33	5

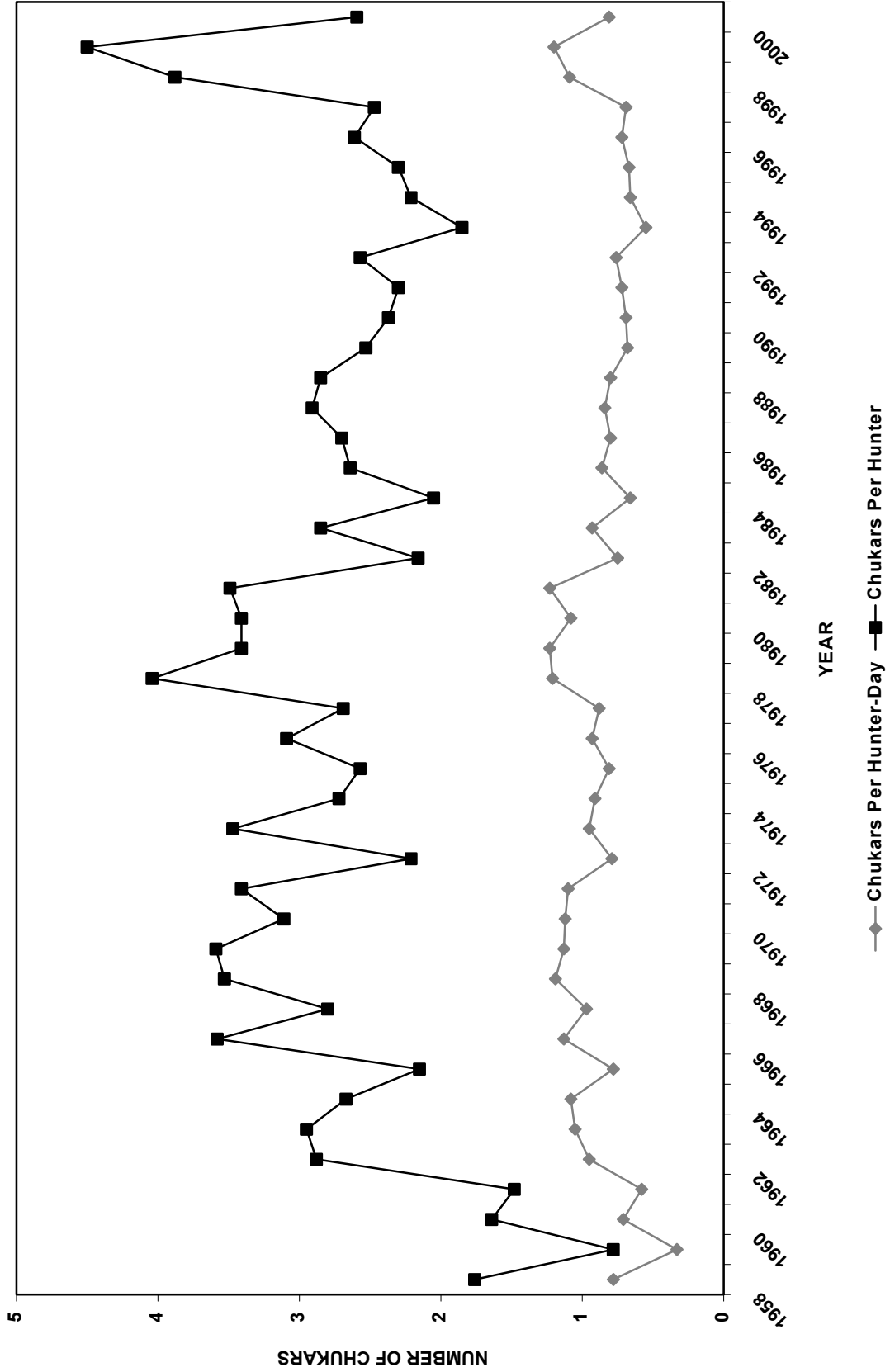
CHUKAR PARTRIDGE



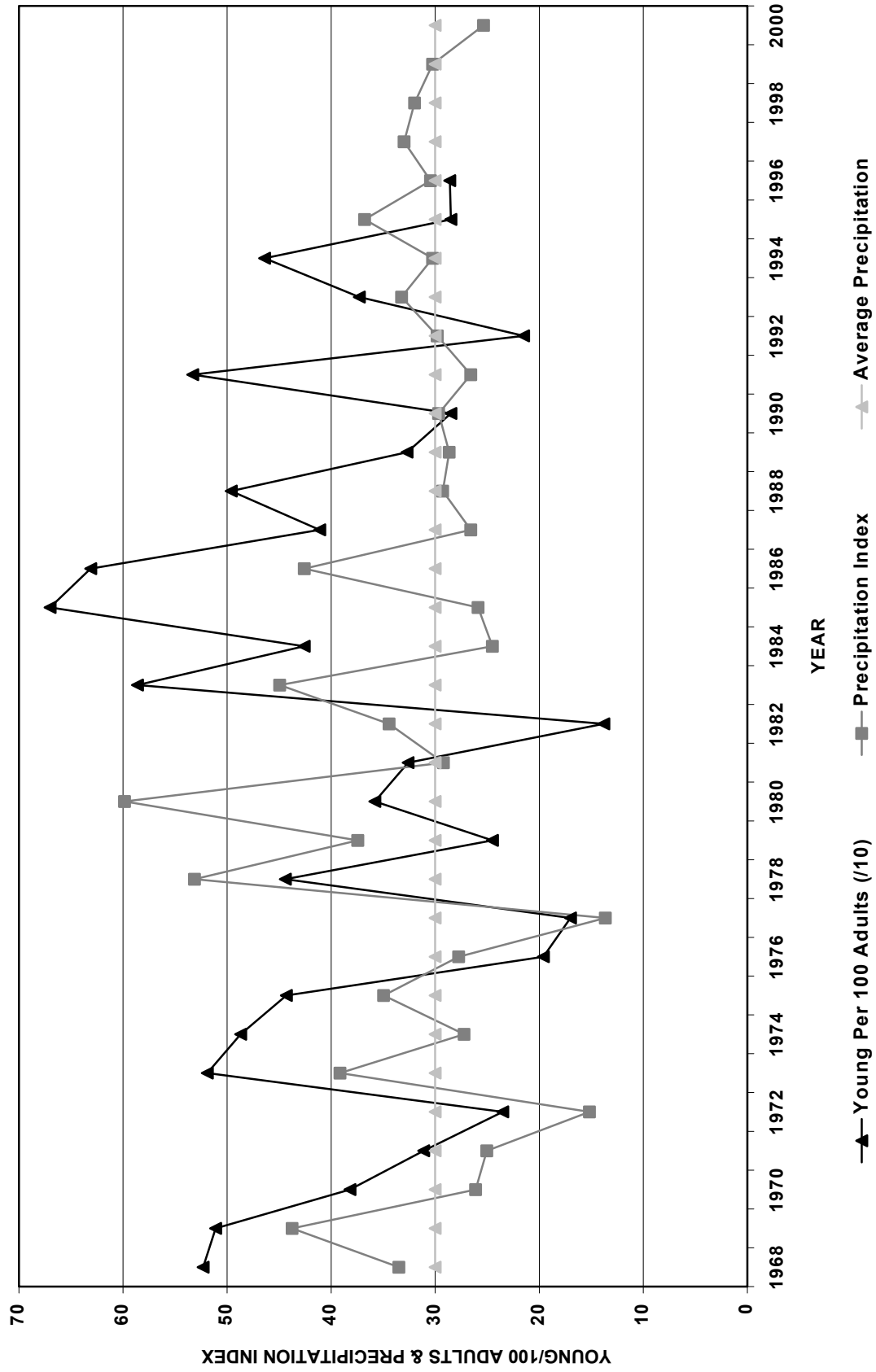
Statewide trends of Chukar Partridge harvest statistics, 1958-2000.



Statewide trends of Chukar Partridge hunter success rates, 1958-2000.



January - April precipitation versus Chukar Partridge production, 1968-2000.



Chukar Partridge aerial survey, Northeast Cedar Mountains, Tooele County, 1996-2000.

Year	Date	Coveys Flushed	Total Chukars Observed	Square Miles Surveyed	Chukars Per Square Mile	Elapsed Time (hours)	Chukars Per 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
Totals							
(1996-2000)		170	2056	38.49	53	6.74	--
Averages							
(1996-1999)		37	490	7.62	62	1.36	348
% Change From							
Previous Year		-65	-85	0	-85	-26	-79
% Change From							
Average		-37	-80	5	-81	-4	-79

Summary of Chukar Partridge hunter success and distribution of harvest and hunting pressure
by region and county, 2000.

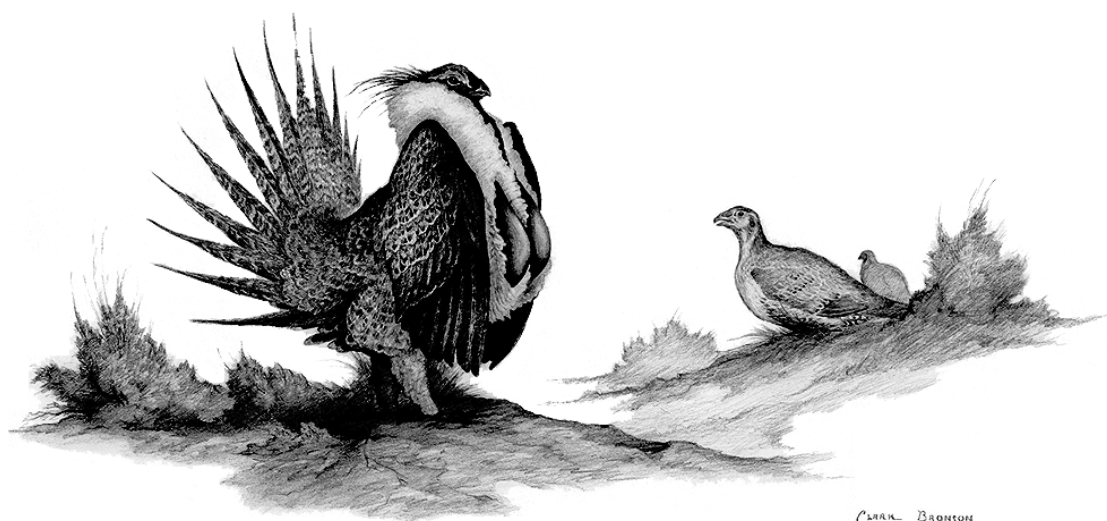
Region and County	Sample Size*	Hunters Afield	Hunter-Days Afield	Chukars Bagged	Chukars Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	109	2,087	6,836	5,534	0.81	15.16	15.18
Cache	34	651	2,011	804	0.40	4.46	2.21
Davis	6	115	268	134	0.50	0.59	0.37
Morgan	12	230	843	460	0.55	1.87	1.26
Rich	3	57	57	57	1.00	0.13	0.16
Summit	4	77	191	421	2.20	0.42	1.15
Weber	3	57	172	172	1.00	0.38	0.47
REGIONAL TOTALS	171	3,274	10,378	7,582	0.73	23.01	20.80
Central Region							
Juab	66	1,264	4,021	4,787	1.19	8.92	13.13
Salt Lake	7	134	306	134	0.44	0.68	0.37
Sanpete	25	479	1,666	1,992	1.20	3.69	5.46
Tooele	173	3,313	11,528	8,081	0.70	25.56	22.17
Utah	89	1,704	6,377	5,113	0.80	14.14	14.02
Wasatch	5	96	364	249	0.68	0.81	0.68
REGIONAL TOTALS	365	6,990	24,262	20,356	0.84	53.80	55.83
Southern Region							
Beaver	8	153	613	249	0.41	1.36	0.68
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	13	249	536	613	1.14	1.19	1.68
Kane	0	0	0	0	0.00	0.00	0.00
Millard	57	1,092	2,815	2,087	0.74	6.24	5.72
Piute	4	77	77	115	1.49	0.17	0.32
Sevier	41	785	2,470	2,489	1.01	5.48	6.83
Washington	1	19	38	0	0.00	0.08	0.00
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	124	2,375	6,549	5,553	0.85	14.52	15.23
Northeastern Region							
Daggett	0	0	0	0	0.00	0.00	0.00
Duchesne	13	249	728	402	0.55	1.61	1.10
Uintah	14	268	517	402	0.78	1.15	1.10
REGIONAL TOTALS	27	517	1,245	804	0.65	2.76	2.21
Southeastern Region							
Carbon	11	211	632	402	0.64	1.40	1.10
Emery	20	383	996	804	0.81	2.21	2.21
Grand	13	249	938	938	1.00	2.08	2.57
San Juan	3	57	96	19	0.20	0.21	0.05
REGIONAL TOTALS	47	900	2,662	2,163	0.81	5.90	5.93
STATE TOTALS	734	14,056	45,096	36,458	0.81	100.00	100.00

*Total hunter trips from questionnaire returns.

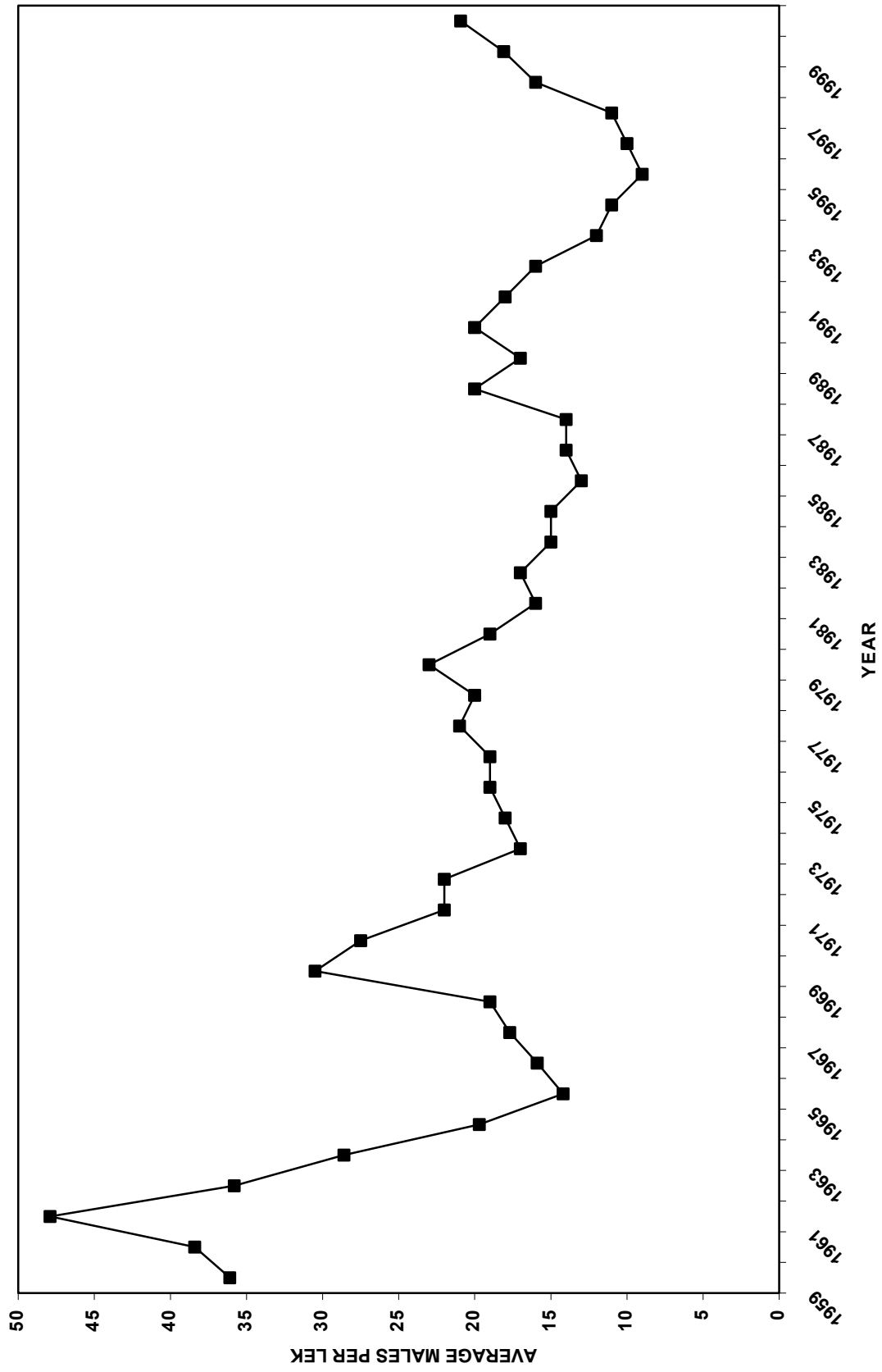
Statewide summary of Chukar Partridge harvest statistics, 1958-2000.

Year	Total Hunters	Total Harvest	Hunter-Days Afield	Chukars Per Hunter-Day	Chukars Per Hunter
1958	11,124	19,578	25,100	0.78	1.76
1959	11,154	8,700	26,364	0.33	0.78
1960	13,252	21,733	30,610	0.71	1.64
1961	14,046	20,821	35,675	0.58	1.48
1962	11,638	33,500	35,010	0.95	2.88
1963	14,532	42,806	40,824	1.05	2.95
1964	16,090	42,974	39,971	1.08	2.67
1965	16,431	35,335	45,067	0.78	2.15
1966	17,133	61,370	54,448	1.13	3.58
1967	17,485	48,906	50,671	0.97	2.80
1968	20,744	73,218	61,402	1.19	3.53
1969	22,529	80,917	71,674	1.13	3.59
1970	18,013	56,053	49,911	1.12	3.11
1971	17,917	61,151	55,378	1.10	3.41
1972	16,685	36,925	46,502	0.79	2.21
1973	13,888	48,135	50,677	0.95	3.47
1974	16,412	44,658	48,856	0.91	2.72
1975	16,156	41,151	51,083	0.81	2.57
1976	14,171	43,726	47,143	0.93	3.09
1977	12,691	34,155	38,873	0.88	2.69
1978	16,291	65,747	54,239	1.21	4.04
1979	15,210	51,918	42,254	1.23	3.41
1980	15,100	51,511	47,778	1.08	3.41
1981	12,907	44,983	36,662	1.23	3.49
1982	11,326	24,460	32,691	0.75	2.16
1983	10,418	29,649	31,904	0.93	2.85
1984	9,846	20,179	30,715	0.66	2.05
1985	7,930	20,938	24,346	0.86	2.64
1986	9,397	25,346	31,672	0.80	2.70
1987	11,276	32,848	39,099	0.84	2.91
1988	11,237	32,057	40,088	0.80	2.85
1989	10,910	27,628	40,384	0.68	2.53
1990	11,195	26,486	38,463	0.69	2.37
1991	10,577	24,355	34,010	0.72	2.30
1992	11,125	28,599	37,463	0.76	2.57
1993	10,128	18,774	34,147	0.55	1.85
1994	8,455	18,721	28,389	0.66	2.21
1995	9,097	20,954	31,140	0.67	2.30
1996	10,197	26,594	37,116	0.72	2.61
1997	9,665	23,840	34,711	0.69	2.47
1998	9,283	36,013	33,082	1.09	3.88
1999	14,388	64,727	53,842	1.20	4.50
2000	14,056	36,458	45,096	0.81	2.59
Totals (1958-2000)	572,105	1,608,597	1,764,530	--	--
Averages (1958-1999)	13,287	37,432	40,939	0.88	2.74
% Change From Previous Year	-2	-44	-16	-33	-42
% Change From Average	6	-3	10	-8	-5

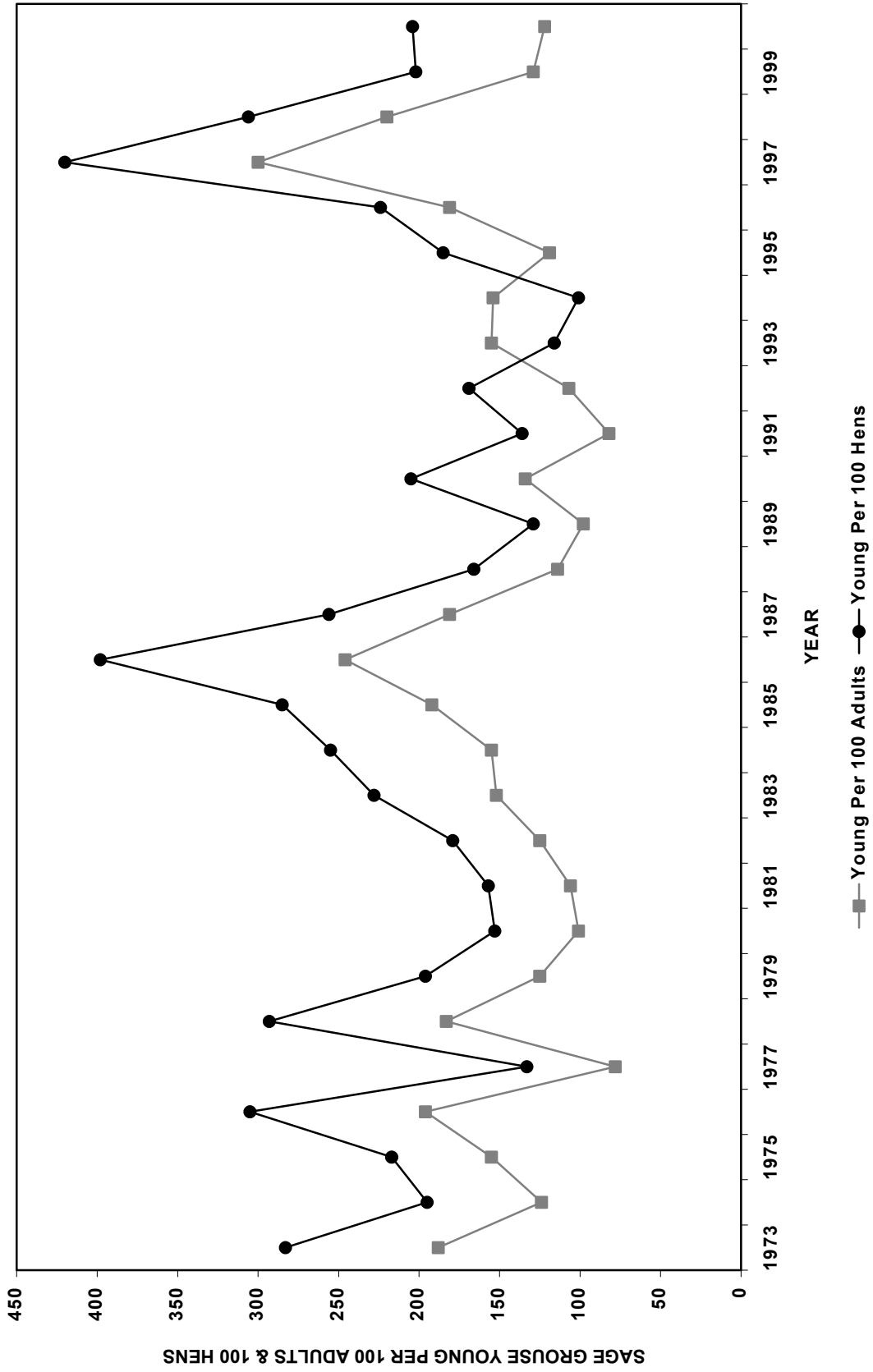
SAGE-GROUSE



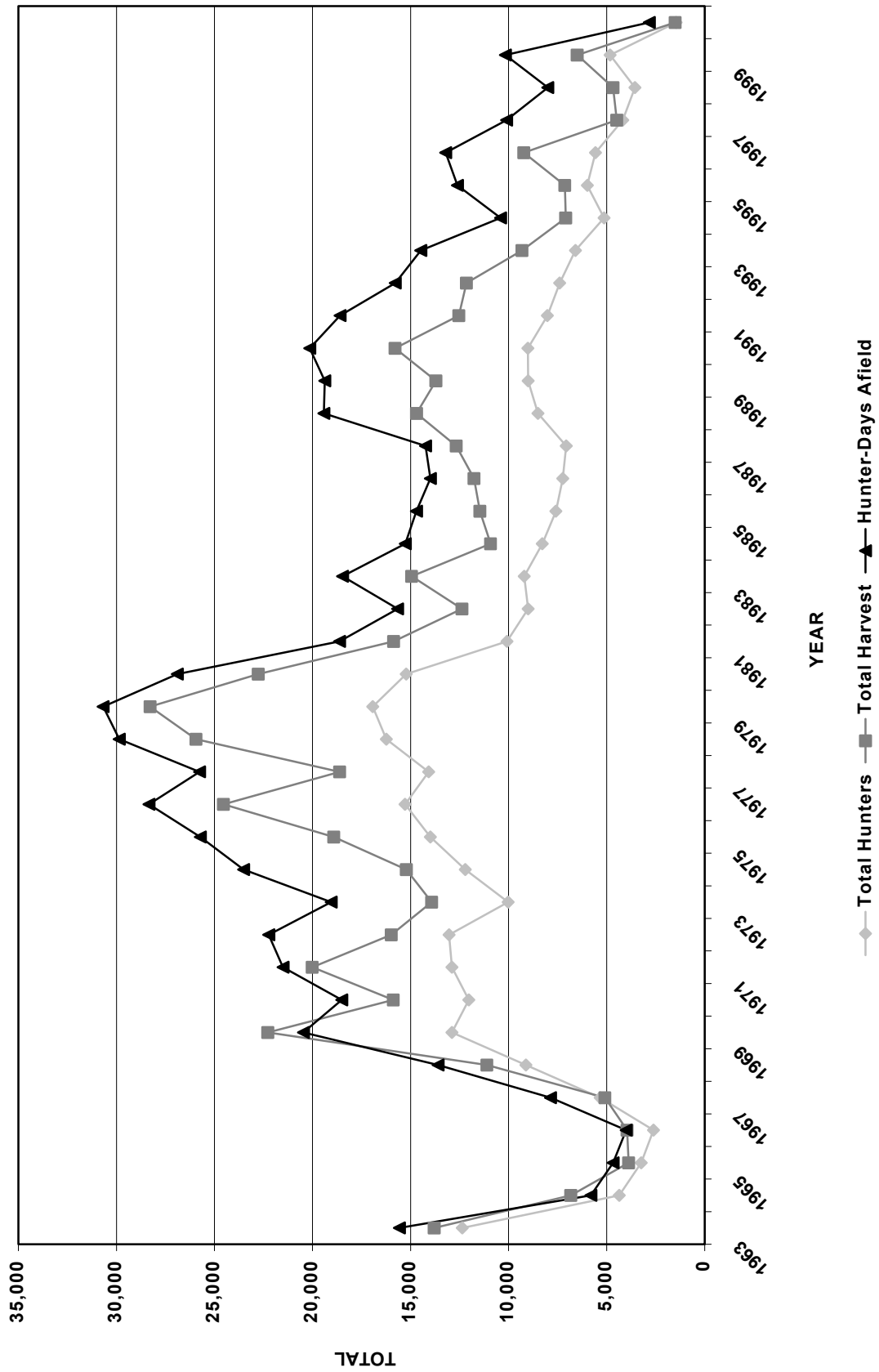
Statewide trends of average Sage-grouse males per lek, 1959-2000.



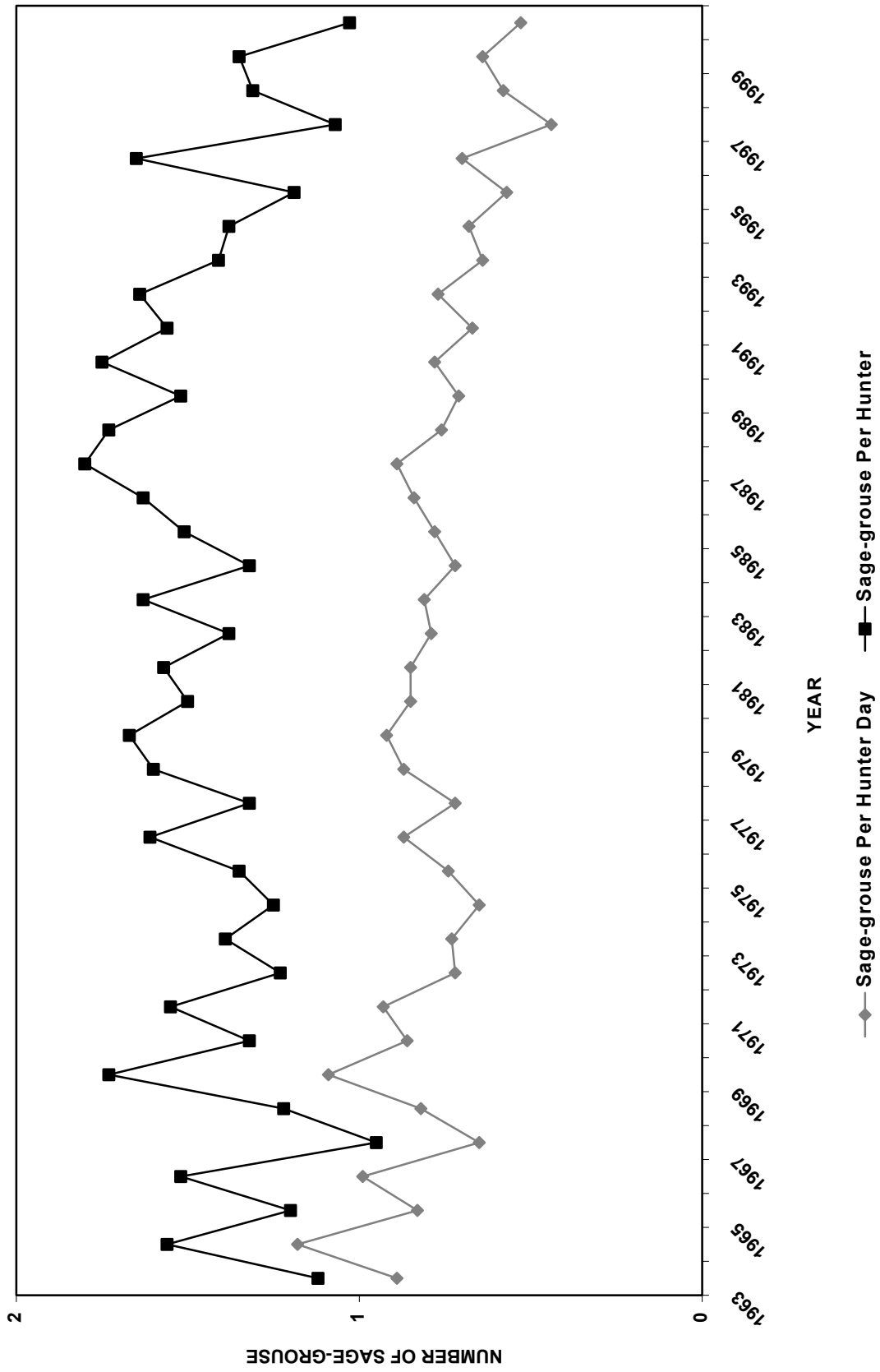
Statewide trends of Sage-grouse young per 100 adults and 100 hens, 1973-2000.



Statewide trends of Sage-grouse harvest statistics, 1963-2000.



Statewide trends of Sage-grouse hunter success rates, 1963-2000.



Summary of Sage-grouse strutting ground counts, by region and county, for the Northern Region, 1991-2000.

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Box Elder										
No. Strutting Grounds Counted	16	13	8	14	4	11	33	22	25	25
Total Male Grouse Counted	--	307	250	220	134	209	345	428	452	516
County Average (all strutting grounds)	21	24	17	16	34	19	10	19	18	21
% Change From Previous Year - Comparable Grounds	-11	8	-7	-23	-14	-24	2	--	--	--
Cache										
No. Strutting Grounds Counted	--	3	--	2	2	2	1	1	4	2
Total Male Grouse Counted	--	27	--	9	9	9	23	23	23	21
County Average (all strutting grounds)	--	9	--	5	5	5	23	23	6	11
% Change From Previous Year - Comparable Grounds	--	--	--	--	--	--	283	--	--	--
Morgan										
No. Strutting Grounds Counted	--	1	--	--	1	1	1	5	1	3
Total Male Grouse Counted	--	39	--	--	24	25	34	90	81	84
County Average (all strutting grounds)	--	39	--	--	24	25	34	18	81	28
% Change From Previous Year - Comparable Grounds	--	--	--	--	60	5	36	--	--	--
Rich										
No. Strutting Grounds Counted	22	14	14	29	26	23	22	16	27	26
Total Male Grouse Counted	710	372	314	325	273	278	339	356	559	897
County Average (all strutting grounds)	32	27	19	11	11	12	15	22	21	35
% Change From Previous Year - Comparable Grounds	-18	-38	-51	-46	--	9	25	--	--	--
Summit										
No. Strutting Grounds Counted	--	3	--	1	8	--	--	--	--	3
Total Male Grouse Counted	--	0	--	15	--	--	--	--	--	1
County Average (all strutting grounds)	--	--	--	15	--	--	--	--	--	0.3
% Change From Previous Year - Comparable Grounds	--	--	--	-29	--	--	--	--	--	--
NORTHERN REGION TOTALS										
No. Strutting Grounds Counted	38	34	22	46	41	37	57	44	57	59
Total Male Grouse Counted	710	745	564	569	440	521	741	897	1115	1519
County Average (all strutting grounds)	27	26	18	14	18	15	21	21	31	23
% Change From Previous Year - Comparable Grounds	-15	-15	-29	-33	--	--	--	--	--	--

Summary of Sage-grouse strutting ground counts, by region and county, for the Central Region, 1991-2000 (continued).

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Juab										
No. Strutting Grounds Counted	1	3	3	1	1	--	1	1	3	3
Total Male Grouse Counted	15	5	0	0	1	--	0	0	13	40
County Average (all strutting grounds)	15	2	0	0	1	--	0	0	4	13
% Change From Previous Year - Comparable Grounds	--	-100	-100	0	100	--	--	--	--	--
Sanpete										
No. Strutting Grounds Counted	2	--	2	--	--	--	--	--	--	--
Total Male Grouse Counted	0	--	0	--	--	--	--	--	--	--
County Average (all strutting grounds)	--	--	0	--	--	--	--	--	--	--
% Change From Previous Year - Comparable Grounds	--	--	0	--	--	--	--	--	--	--
Tooele										
No. Strutting Grounds Counted	5	4	4	4	4	3	4	4	2	3
Total Male Grouse Counted	82	100	11	12	12	17	36	24	80	103
County Average (all strutting grounds)	16	25	5	3	3	6	9	6	40	34
% Change From Previous Year - Comparable Grounds	-15	32	-87	-40	0	100	6	--	--	--
Wasatch										
No. Strutting Grounds Counted	2	2	2	2	2	2	2	2	3	2
Total Male Grouse Counted	11	49	45	24	24	34	46	42	59	41
County Average (all strutting grounds)	6	24	37	12	12	17	23	21	20	21
% Change From Previous Year - Comparable Grounds	-75	300	-9	-12	0	42	35	--	--	--
CENTRAL REGION TOTALS										
No. Strutting Grounds Counted	10	9	11	7	7	5	7	7	8	8
Total Male Grouse Counted	108	154	56	36	37	51	82	66	152	184
County Average (all strutting grounds)	12	17	14	5	5	12	11	9	21	23
% Change From Previous Year - Comparable Grounds	-45	77	-65	16	--	--	--	--	--	--

Summary of Sage-grouse strutting ground counts, by region and county, for the Southern Region, 1991-2000 (continued).

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Beaver										
No. Strutting Grounds Counted	--	3	1	4	7	7	4	4	6	7
Total Male Grouse Counted	--	68	49	57	57	79	32	22	96	68
County Average (all strutting grounds)	41	19	49	14	8	11	8	6	16	10
% Change From Previous Year - Comparable Grounds	--	-54	47	--	-7	--	-53	--	--	--
Garfield										
No. Strutting Grounds Counted	--	9	6	11	11	11	12	13	14	13
Total Male Grouse Counted	--	211	77	145	139	89	126	254	245	324
County Average (all strutting grounds)	35	23	11	13	13	8	11	20	18	25
% Change From Previous Year - Comparable Grounds	--	-23	-50	78	0	--	36	--	--	--
Iron										
No. Strutting Grounds Counted	--	2	1	3	2	3	3	5	6	5
Total Male Grouse Counted	--	43	41	39	26	17	34	48	98	99
County Average (all strutting grounds)	52	21	41	13	13	6	11	10	16	20
% Change From Previous Year - Comparable Grounds	--	-36	24	0	-14	--	-10	--	--	--
Kane										
No. Strutting Grounds Counted	--	3	2	2	3	3	3	3	3	2
Total Male Grouse Counted	--	30	11	1	2	0	4	18	20	11
County Average (all strutting grounds)	14	10	6	1	1	0	1	6	7	6
% Change From Previous Year - Comparable Grounds	--	-28	-61	0	0	--	--	--	--	--
Millard										
No. Strutting Grounds Counted	--	--	--	--	--	--	1	--	--	--
Total Male Grouse Counted	--	--	--	--	--	--	0	--	--	--
County Average (all strutting grounds)	--	--	--	--	--	--	0	--	--	--
% Change From Previous Year - Comparable Grounds	--	--	--	--	--	--	--	--	--	--
Platte										
No. Strutting Grounds Counted	--	--	--	--	--	1	1	1	1	1
Total Male Grouse Counted	--	--	--	--	--	29	34	33	67	63
County Average (all strutting grounds)	--	--	--	--	--	29	34	33	67	63
% Change From Previous Year - Comparable Grounds	--	--	--	--	--	--	--	--	--	--
Sevier										
No. Strutting Grounds Counted	1	3	--	1	1	2	1	1	1	1
Total Male Grouse Counted	20	22	--	11	12	20	15	15	16	14
County Average (all strutting grounds)	20	7	--	11	12	10	15	15	16	14
% Change From Previous Year - Comparable Grounds	--	--	--	1,100	9	--	--	--	--	--
Wayne										
No. Strutting Grounds Counted	16	12	--	8	11	9	12	14	15	16
Total Male Grouse Counted	367	289	--	163	206	193	272	257	499	472
County Average (all strutting grounds)	23	22	--	20	19	21	23	18	33	30
% Change From Previous Year - Comparable Grounds	--	--	--	-8	11	--	--	--	--	--
SOUTHERN REGION TOTALS										
No. Strutting Grounds Counted	17	32	10	29	35	36	37	41	46	45
Total Male Grouse Counted	387	663	178	416	442	427	517	647	1,041	1,051
County Average (all strutting grounds)	23	21	18	14	13	12	14	16	23	23
% Change From Previous Year - Comparable Grounds	--	-35	-10	234	--	--	--	--	--	--

Summary of Sage-grouse strutting ground counts, by region and county, for the Northeastern Region, 1991-2000 (continued).

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Daggett										
No. Strutting Grounds Counted	--	6	3	3	5	6	6	5	2	6
Total Male Grouse Counted	--	17	14	11	25	32	23	25	19	84
County Average (all strutting grounds)	--	3	5	4	5	5	4	5	10	14
% Change From Previous Year - Comparable Grounds	--	--	-7	-21	-18	28	-28	--	--	--
Duchesne										
No. Strutting Grounds Counted	--	16	15	9	5	5	7	8	7	7
Total Male Grouse Counted	--	129	87	37	40	22	32	26	46	57
County Average (all strutting grounds)	--	8	6	4	8	4	5	3	7	8
% Change From Previous Year - Comparable Grounds	--	--	-10	-51	14	-27	5	--	--	--
Grand										
No. Strutting Grounds Counted	--	--	--	1	--	--	--	--	--	--
Total Male Grouse Counted	--	--	--	0	--	--	--	--	--	--
County Average (all strutting grounds)	--	--	--	--	--	--	--	--	--	--
% Change From Previous Year - Comparable Grounds	--	--	--	--	--	--	--	--	--	--
Uintah										
No. Strutting Grounds Counted	--	22	22	18	29	24	21	17	23	22
Total Male Grouse Counted	--	287	173	208	197	268	278	358	368	363
County Average (all strutting grounds)	--	13	8	12	7	11	13	21	16	17
% Change From Previous Year - Comparable Grounds	--	--	-34	-4	-30	32	-3	--	--	--
Wasatch										
No. Strutting Grounds Counted	4	3	2	2	0	3	3	3	3	2
Total Male Grouse Counted	25	66	9	8	0	39	51	48	59	41
County Average (all strutting grounds)	6	22	5	4	0	13	17	16	20	21
% Change From Previous Year - Comparable Grounds	--	--	--	-11	13	-44	0	--	--	--
NORTHEASTERN REGION TOTALS										
No. Strutting Grounds Counted	4	47	42	33	39	38	37	33	35	37
Total Male Grouse Counted	25	499	283	264	262	361	384	457	492	545
County Average (all strutting grounds)	--	12	6	6	7	10	10	14	14	15
% Change From Previous Year - Comparable Grounds	--	--	-27	-18	-22	22	--	--	--	--

Summary of Sage-grouse strutting ground counts, by region and county, for the Southeastern Region, 1991-2000 (continued).

County	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Carbon										
No. Strutting Grounds Counted	8	8	3	7	--	8	4	10	11	14
Total Male Grouse Counted	103	40	14	3	--	26	46	72	70	201
County Average (all strutting grounds)	13	5	5	0	--	3	12	7	6	14
% Change From Previous Year - Comparable Grounds	-11	-61	-46	-79	--	--	--	--	--	--
Emery										
No. Strutting Grounds Counted	2	2	3	2	2	2	2	--	--	2
Total Male Grouse Counted	7	7	3	5	0	0	0	--	--	0
County Average (all strutting grounds)	4	4	1	3	0	0	0	--	--	0
% Change From Previous Year - Comparable Grounds	40	0	-57	67	-250	0	--	--	--	--
San Juan										
No. Strutting Grounds Counted	4	4	4	4	4	4	4	4	5	5
Total Male Grouse Counted	32	40	44	41	40	29	26	32	46	57
County Average (all strutting grounds)	8	10	11	10	10	7	7	8	9	11
% Change From Previous Year - Comparable Grounds	-22	25	10	-7	-2	-27	--	--	--	--
SOUTHEASTERN REGION TOTALS										
No. Strutting Grounds Counted	14	14	10	13	6	14	10	14	16	21
Total Male Grouse Counted	142	87	61	49	40	55	72	104	116	258
County Average (all strutting grounds)	10	6	6	4	7	4	7	7	7	12
% Change From Previous Year - Comparable Grounds	2	-12	-31	-6	--	--	--	--	--	--
STATE TOTALS (ALL REGIONS)										
No. Strutting Grounds Counted	83	136	95	128	128	130	148	139	162	170
Total Male Grouse Counted	1,372	2,148	1,142	1,334	1,221	1,415	1,796	2,171	2,916	3,557
County Average (all strutting grounds)	17	16	12	10	10	11	12	16	18	21
% Change From Previous Year - Comparable Grounds	-19	4	-32	39	-22	22	--	--	--	--

Statewide trends of Sage-grouse strutting ground counts, 1959-2000.

Year	Number of Grounds Counted	Total Male Grouse Counted	Average Male Grouse Per Ground	% Change From Previous Year
1959	12	433	36.1	--
1960	13	499	38.4	9
1961	13	623	47.9	2
1962	13	466	35.8	-40
1963	18	515	28.6	-6
1964	15	296	19.7	-31
1965	16	227	14.2	-29
1966	18	286	15.9	7
1967	22	389	17.7	1
1968	59	1,112	19.0	1
1969	78	2,379	30.5	81
1970	92	2,528	27.5	-8
1971	108	2,354	22.0	-17
1972	113	2,472	22.0	-1
1973	108	1,809	17.0	-26
1974	142	2,482	18.0	17
1975	119	2,296	19.0	-4
1976	131	2,460	19.0	2
1977	136	2,855	21.0	6
1978	138	2,802	20.0	-15
1979	120	2,808	23.0	-13
1980	116	2,148	19.0	-20
1981	154	2,469	16.0	-9
1982	121	2,089	17.0	-1
1983	113	1,711	15.0	-8
1984	43	664	15.0	-18
1985	97	1,234	13.0	-1
1986	118	1,708	14.0	5
1987	126	1,818	14.0	2
1988	137	2,734	20.0	51
1989	119	2,041	17.0	14
1990	130	2,660	20.0	-2
1991	71	1,252	18.0	-11
1992	125	2,050	16.0	3
1993	90	1,122	12.0	-32
1994	121	1,338	11.0	39
1995	131	1,230	9.0	--
1996	126	1,321	10.0	--
1997	148	1,641	11.0	--
1998	137	2,124	16.0	--
1999	157	2,847	18.1	--
2000	170	3,557	20.9	--
Totals (1959-2000)	4,034	71,849	--	--
Averages (1959-1999)	94	1,666	19.8	--

Sage-grouse summer inventory, 2000.

Region and County	Distinct Broods		Mean Brood	Mixed Observ.		Adults w/o Young		Total Adults	Total Young	Total Grouse	Young Per 100 Adults	Vehicle Miles		Hours of Effort		Grouse Per 100 Hrs	
	# Adults	Young		Adults	Young	Young	Young					Miles	Vehicle	Horse	Walk		Total
Northern Region																	
Box Elder	--	--	--	2	1	--	2	1	3	--	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	6	6	21	3.50	--	46	52	21	73	40	184	18	--	--	18	406	
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	6	6	21	3.50	2	1	54	22	76	41	184	18	--	--	18	422	
Central Region																	
Juab	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Southern Region																	
Beaver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	4	4	18	4.50	0	0	4	18	22	450	--	--	--	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	37	37	157	4.24	58	144	177	272	301	573	111	--	18	--	18	3,183	
REGIONAL TOTALS	41	41	175	4.27	58	144	177	276	319	595	116	--	18	--	18	3,306	
Northeastern Region																	
Daggett	2	2	2	1.00	0	0	1	3	6	9	200	35	7	--	7	129	
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	7	7	28	4.00	10	23	29	46	51	97	111	55	7	18	1	26	
REGIONAL TOTALS	9	9	30	3.33	10	23	30	49	57	106	116	90	14	18	1	33	
Southeastern Region																	
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	8	1	3	--	4	
San Juan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	8	1	3	--	4	
STATE TOTALS	56	56	226	4.04	70	168	253	379	394	773	104	282	33	39	1	72	
																1,070	

Trend of Sage-grouse young per 100 adults, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	161	143	92	94	--	48	177	--	--	--	
Cache	--	--	--	--	--	--	--	--	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	67	125	217	433	41	222	129	--	--	40	
Summit	--	--	--	--	--	--	--	--	--	--	
Weber	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	93	132	133	145	40	175	115	--	--	41	119
Central Region											
Juab	--	450	450	--	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	--	--	--	--	--	--	--	--	--	
Tooele	287	300	300	156	--	--	--	--	--	--	
Utah	1,200	--	--	--	--	--	--	--	--	--	
Wasatch	--	129	350	--	--	--	--	--	--	--	
REGIONAL TOTALS	344	148	357	156	--	--	--	--	--	--	251
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	129	--	--	--	--	--	--	--	--	--	
Iron	100	--	--	--	--	--	--	--	--	450	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	500	--	--	--	--	--	--	--	--	--	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	478	43	--	--	--	--	109	315	109	111	
REGIONAL TOTALS	128	40	--	--	--	129	109	315	109	116	138
Northeastern Region											
Daggett	650	190	--	600	263	244	200	500	--	200	
Duchesne	160	--	260	--	--	--	--	--	--	--	
Uintah	114	278	500	263	192	300	325	228	--	111	
REGIONAL TOTALS	161	246	380	532	418	332	444	236	--	116	344
Southeastern Region											
Carbon	200	33	200	--	--	--	--	91	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	--	31	--	50	--	--	--	--	--	--	
San Juan	200	50	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	160	34	200	50	--	--	--	91	--	--	107
STATE TOTALS	122	95	209	244	122	196	165	264	109	104	170

Trend of average brood size for Sage-grouse, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	3.71	4.17	3.67	5.00	--	6.00	2.67	--	--	--	
Cache	--	--	--	--	--	--	--	--	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	3.00	4.54	2.40	4.33	5.33	5.19	3.96	--	--	1.00	
Summit	--	--	--	--	--	--	--	--	--	--	
Weber	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	3.36	4.36	3.09	4.50	5.33	5.26	3.64	--	--	1.00	3.82
Central Region											
Juab	--	--	--	--	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	--	--	--	--	--	--	--	--	--	
Tooele	3.83	3.00	3.00	4.00	--	--	--	--	--	--	
Utah	12.00	--	--	--	--	--	--	--	--	--	
Wasatch	--	5.50	7.00	--	--	--	--	--	--	--	
REGIONAL TOTALS	5.00	4.67	4.00	4.00	--	--	--	--	--	--	4.42
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	6.00	--	--	--	--	--	--	--	--	--	
Iron	5.00	--	--	--	--	--	--	--	--	4.50	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	--	--	--	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	5.00	3.82	--	--	--	--	4.64	4.32	4.04	4.24	
REGIONAL TOTALS	5.60	3.82	--	--	--	4.80	4.64	4.32	4.04	4.27	4.54
Northeastern Region											
Daggett	2.00	6.00	--	6.00	4.20	3.67	2.00	5.00	--	1.00	
Duchesne	4.00	--	2.00	--	--	--	--	--	--	--	
Uintah	2.00	4.75	5.00	5.25	4.17	5.86	5.48	4.57	--	4.00	
REGIONAL TOTALS	2.57	4.89	4.50	5.32	4.18	5.20	5.35	4.61	--	3.33	4.58
Southeastern Region											
Carbon	6.00	2.67	4.00	--	--	--	--	5.00	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	--	4.00	--	2.00	--	--	--	--	--	--	
San Juan	2.00	2.00	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	4.00	2.80	4.00	2.00	--	--	--	5.00	--	--	3.56
STATE TOTALS	3.70	4.21	3.68	4.86	4.43	5.19	4.43	4.51	4.04	3.18	4.34

Trend of Sage-grouse observed per 100 hours, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	102	146	118	413	4	--	300	--	--	--	
Cache	--	--	--	--	--	--	--	--	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	304	261	89	--	73	474	1,529	--	--	406	
Summit	--	--	--	--	--	--	--	--	--	--	
Weber	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	155	197	103	613	57	554	753	--	--	422	347
Central Region											
Juab	--	367	367	--	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	--	--	--	--	--	--	--	--	--	
Tooele	414	100	133	263	--	--	--	--	--	--	
Utah	1,300	--	--	--	--	--	--	--	--	--	
Wasatch	--	254	45	--	--	--	--	--	--	--	
REGIONAL TOTALS	338	248	100	263	--	--	--	--	--	--	237
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	320	--	--	--	--	--	--	--	--	--	
Iron	400	--	--	--	--	--	--	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	150	829	--	--	--	--	--	--	--	--	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	511	411	--	--	--	--	252	--	2,738	3,183	
REGIONAL TOTALS	314	402	--	--	--	234	252	--	2,738	3,306	788
Northeastern Region											
Daggett	1,000	580	--	1,400	829	326	86	900	--	129	
Duchesne	81	--	900	--	--	--	--	--	--	--	
Uintah	1,500	523	3,000	636	388	224	316	407	--	376	
REGIONAL TOTALS	356	539	1,600	1,463	429	226	289	419	--	323	665
Southeastern Region											
Carbon	90	377	377	--	--	--	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	--	567	--	240	--	--	--	--	--	--	
San Juan	100	300	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	100	239	26	80	--	--	--	--	--	--	111
STATE TOTALS	273	272	122	572	102	356	347	921	2,738	1,070	634

Summary of Sage-grouse hunter success and distribution of harvest and hunting pressure
by region and county, 2000*.

Region and County	Hunters Afield	Hunter-Days Afield	Sage-grouse Harvested	Sage-grouse Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region						
Box Elder						
Subunit A	67	139	86	0.62	4.91	5.74
Subunit B	34	101	38	0.38	3.57	2.54
Subunit C	5	5	0	0.00	0.18	0.00
Subunit D	67	91	96	1.05	3.22	6.41
Subunit E	67	125	14	0.00	4.42	0.94
Subunit F	29	43	29	0.67	1.52	1.94
Cache	--	--	--	--	--	--
Davis	--	--	--	--	--	--
Morgan	--	--	--	--	--	--
Rich						
Subunit A	58	86	19	0.22	3.04	1.27
Subunit B	43	53	10	0.19	1.87	0.67
Subunit C	29	120	29	0.24	4.24	1.94
Subunit D	10	91	19	0.21	3.22	1.27
Summit	--	--	--	--	--	--
Weber	--	--	--	--	--	--
REGIONAL TOTALS	409	854	340	0.40	30.19	22.71
Central Region						
Juab	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--
Tooele	--	--	--	--	--	--
Utah	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--
Southern Region						
Beaver	--	--	--	--	--	--
Garfield	--	--	--	--	--	--
Iron	--	--	--	--	--	--
Kane	--	--	--	--	--	--
Millard	--	--	--	--	--	--
Piute	--	--	--	--	--	--
Sevier	--	--	--	--	--	--
Washington	--	--	--	--	--	--
Wayne	--	--	--	--	--	--
Parker Mountain	490	836	629	0.75	29.55	42.02
REGIONAL TOTALS	490	836	629	0.75	29.55	42.02
Northeastern Region						
Daggett	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--
Uintah						
Blue Mountain	216	423	240	0.57	14.95	16.03
Diamond Mountain	245	514	245	0.48	18.17	16.37
REGIONAL TOTALS	461	937	485	0.52	33.12	32.40
Southeastern Region						
Carbon	--	--	--	--	--	--
Emery	--	--	--	--	--	--
Grand	--	--	--	--	--	--
San Juan	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--
Other	96	202	43	0.21	7.14	2.87
STATE TOTALS	1,456	2,829	1,497	0.53	100.00	100.00

*A special Sage-grouse permit was required, and many areas were closed, beginning in 2000.

Projection Factor = 4.802691

2,142 Permits Sold, 446 Respondents, 21% Questionnaire Return Rate

Statewide summary of Sage-grouse harvest statistics, 1951-2000.

Year	Total Hunters*	Total Harvest*	Hunter-Days Afield	Sage-grouse Per Hunter-Day	Sage-grouse Per Hunter
1951	840	2,458	--	--	2.93
1952	678	2,230	--	--	3.29
1953	895	2,581	--	--	2.88
1954	802	2,510	--	--	3.13
1955	579	1,742	--	--	3.01
1956	495	1,375	--	--	2.97
1957	470	1,303	--	--	2.77
1958	567	1,797	--	--	3.17
1959	699	1,875	--	--	2.68
1960	861	2,246	--	--	2.61
1961**	1,078	1,918	--	--	1.78
1962***	2,382	5,352	5,097	1.05	1.89
1963	12,366	13,793	15,564	0.89	1.12
1964	4,362	6,827	5,807	1.18	1.56
1965	3,243	3,881	4,673	0.83	1.20
1966	2,612	3,962	4,006	0.99	1.52
1967	5,336	5,089	7,860	0.65	0.95
1968	9,115	11,109	13,601	0.82	1.22
1969	12,894	22,282	20,466	1.09	1.73
1970	12,036	15,877	18,506	0.86	1.32
1971	12,893	20,013	21,509	0.93	1.55
1972	13,040	15,983	22,232	0.72	1.23
1973	10,017	13,926	19,049	0.73	1.39
1974	12,214	15,215	23,516	0.65	1.25
1975	13,996	18,916	25,720	0.74	1.35
1976	15,283	24,541	28,342	0.87	1.61
1977	14,078	18,615	25,759	0.72	1.32
1978	16,231	25,938	29,861	0.87	1.60
1979	16,927	28,280	30,682	0.92	1.67
1980	15,219	22,770	26,893	0.85	1.50
1981	10,083	15,857	18,617	0.85	1.57
1982	8,997	12,383	15,663	0.79	1.38
1983	9,201	14,949	18,467	0.81	1.63
1984	8,283	10,921	15,266	0.72	1.32
1985	7,586	11,466	14,702	0.78	1.51
1986	7,233	11,766	13,992	0.84	1.63
1987	7,060	12,673	14,242	0.89	1.80
1988	8,499	14,692	19,418	0.76	1.73
1989	9,002	13,710	19,373	0.71	1.52
1990	9,014	15,784	20,147	0.78	1.75
1991	8,018	12,542	18,596	0.67	1.56
1992	7,393	12,156	15,781	0.77	1.64
1993	6,594	9,311	14,480	0.64	1.41
1994	5,133	7,084	10,406	0.68	1.38
1995	5,987	7,133	12,615	0.57	1.19
1996	5,574	9,220	13,215	0.70	1.65
1997	4,178	4,489	10,101	0.44	1.07
1998	3,559	4,676	8,003	0.58	1.31
1999	4,830	6,503	10,161	0.64	1.35
2000****	1,456	1,497	2,829	0.53	1.03
Totals					
(1951-2000)	349,888	523,216	635,217	--	--
Averages					
(1951-1999)	7,111	10,647	16,642	0.64	1.50
% Change From					
Previous Year	-70	-77	-72	-17	-24
% Change From					
Average	-80	-86	-83	-17	-31

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

**Estimated.

***Totals and indices based on indiscrete data.

****Special permit required to hunt Sage-grouse.

Sex and age composition of harvested Sage-grouse, 2000*.

Region and County	Adults			Yearlings			Immatures			Sample Size	Young Per 100 Hens	Young Per 100 Adults
	M	F	Total	M	F	Total	M	F	Total			
Northern Region												
Box Elder	7	12	19	2	7	9	12	30	42	70	221	150
Cache	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--
Rich	16	12	28	5	3	8	6	13	19	55	127	53
Summit	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	23	24	47	7	10	17	18	43	61	125	179	95
Central Region												
Juab	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
Southern Region												
Beaver	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--	--
Parker Mountain	16	16	32	7	16	23	54	54	108	163	338	196
REGIONAL TOTALS	16	16	32	7	16	23	54	54	108	163	338	196
Northeastern Region												
Daggett	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--
Blue Mountain	1	1	2	2	5	7	4	7	11	20	183	122
Diamond Mountain	5	7	12	4	17	21	7	9	16	49	67	48
REGIONAL TOTALS	6	8	14	6	22	28	11	16	27	69	90	64
Southeastern Region												
Carbon	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	45	48	93	20	48	68	83	113	196	357	204	122

*A special Sage-grouse permit was required, and many areas were closed, beginning in 2000.

Information based on wing collection data.

Trends of sex and age composition of Sage-grouse harvested, 1973-2000.

Year	Sample Size	Percent Males	Percent Females	Young Per 100 Adults	Young Per 100 Hens
1973	845	41	59	188	283
1974	825	42	58	124	195
1975	1,166	38	62	155	217
1976	1,513	45	55	196	305
1977	1,195	44	56	78	133
1978	1,787	44	56	183	293
1979	1,956	42	58	125	196
1980	1,580	41	59	101	153
1981	1,442	39	61	106	157
1982	1,197	39	61	125	179
1983	1,000	43	57	152	228
1984	820	41	59	155	255
1985	797	46	54	192	285
1986	706	45	55	246	398
1987	800	42	58	181	256
1988	942	31	69	114	166
1989	921	35	65	98	129
1990	942	42	58	134	205
1991	943	42	58	82	136
1992	930	41	59	107	169
1993	620	35	65	155	116
1994	831	39	61	154	101
1995	545	43	57	119	185
1996	233	37	63	181	224
1997	168	39	61	300	420
1998	320	43	57	220	306
1999	358	44	56	129	202
2000	357	41	59	122	204
Averages (1973-1999)	940	41	59	152	218
% Change From Previous Year	0	-7	5	-5	1
% Change From Average	-62	0	0	-20	-7

*A special Sage-grouse permit was required, and many areas were closed, beginning in 2000. Information based on wing collection data.

FOREST GROUSE

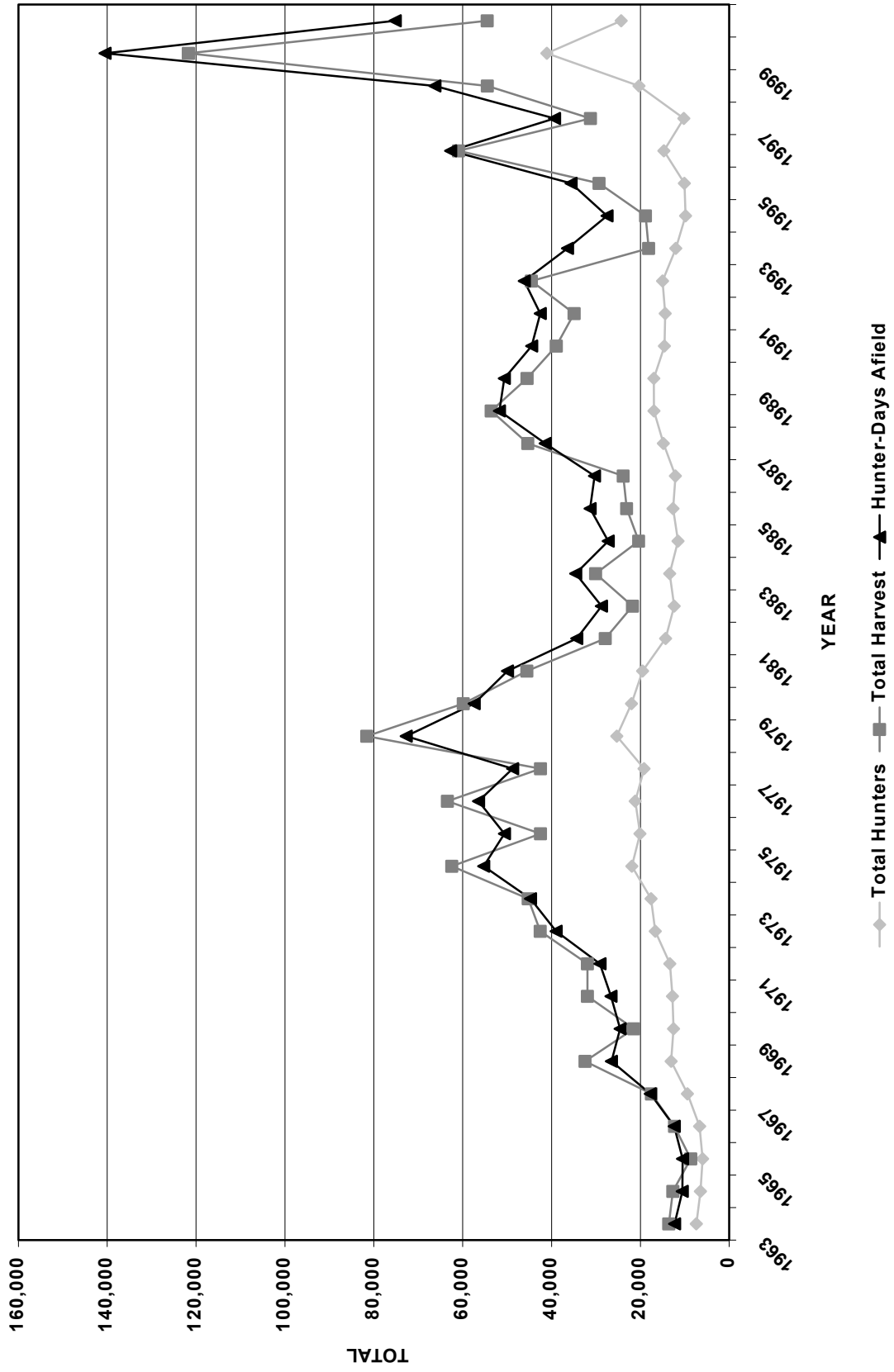
Blue Grouse



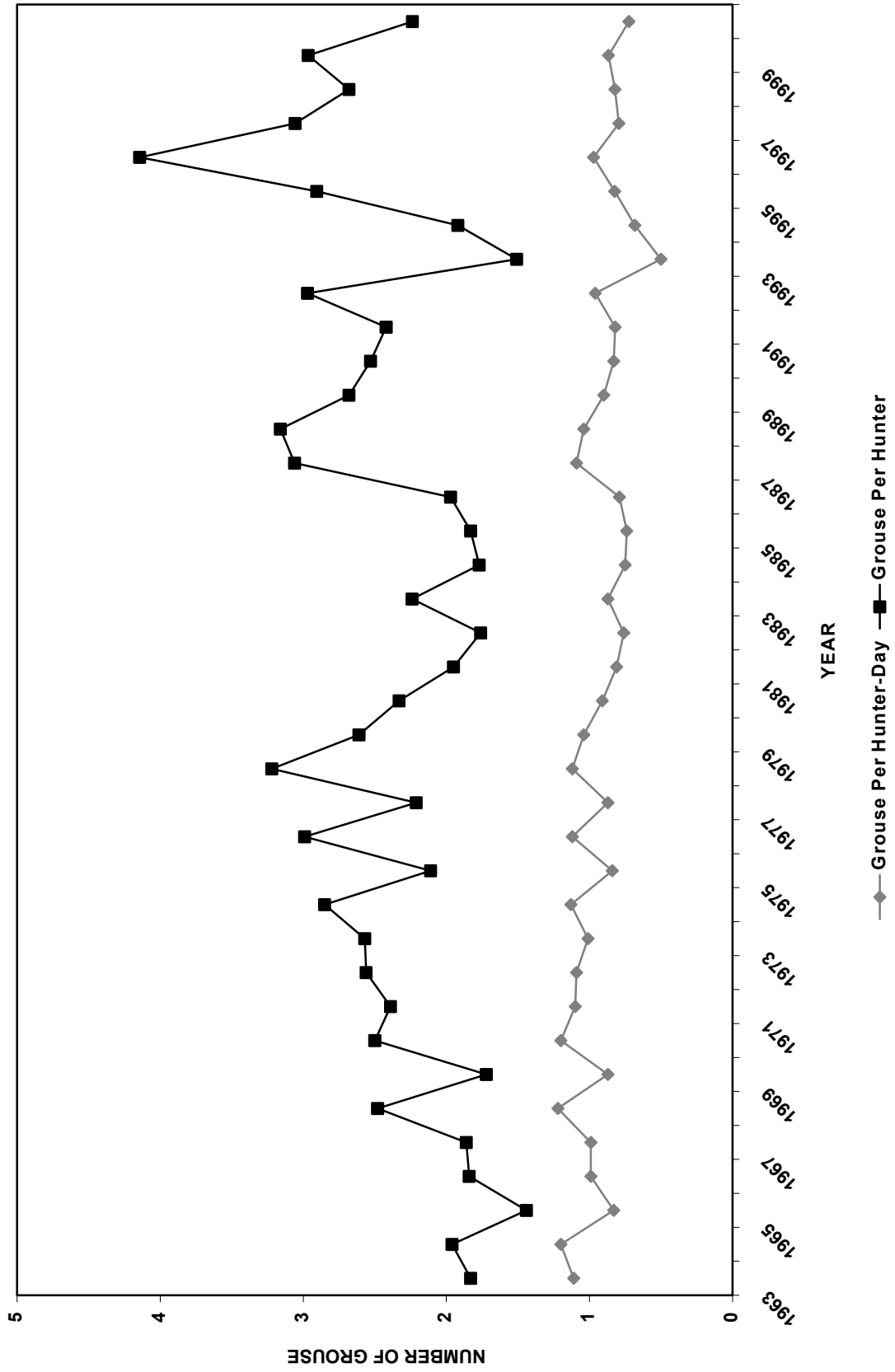
Ruffed Grouse



Statewide trends of Forest Grouse harvest statistics, 1963-2000.



Statewide trends of Forest Grouse hunter success rates, 1963-2000.



Trend of Ruffed Grouse young per 100 adults, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	250	400	--	--	--	--	--	--	--	--	--
Cache	225	167	--	--	--	233	--	--	--	--	
Davis	--	217	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	--	--	--	471	--	--	--	
Summit	400	--	--	--	--	--	--	--	--	--	
Weber	700	467	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	355	277	--	--	--	233	471	--	--	--	334
Central Region											
Juab	--	--	--	--	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	300	400	--	--	--	--	--	--	--	--	
Tooele	--	--	--	--	--	--	--	--	--	225	
Utah	--	100	100	--	--	--	--	--	--	--	
Wasatch	--	--	--	--	--	400	--	--	--	--	
REGIONAL TOTALS	300	250	100	--	--	400	--	--	--	180	263
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	--	--	--	--	--	200	
Iron	--	--	--	--	--	--	--	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	--	600	433	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	--	--	--	--	600	254	600
Northeastern Region											
Daggett	--	--	--	400	--	--	100	--	--	700	
Duchesne	--	--	--	--	--	--	--	--	--	400	
Uintah	--	--	--	--	--	--	--	--	--	450	
REGIONAL TOTALS	--	--	--	400	--	--	100	--	--	440	250
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	--	--	--	--	--	--	--	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	350	273	100	400	--	285	425	--	600	307	348

Trend of average brood size for Ruffed Grouse, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	5.00	4.00	--	--	--	--	--	--	--	--	--
Cache	3.00	5.00	--	--	--	2.33	--	--	--	--	
Davis	--	4.33	--	--	--	--	--	--	--	--	
Morgan	3.33	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	--	--	--	8.67	--	--	--	
Summit	4.00	--	--	--	--	--	--	--	--	--	
Weber	7.00	4.67	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	4.13	4.50	--	--	--	2.33	8.67	--	--	--	4.91
Central Region											
Juab	--	--	--	--	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	3.00	4.00	--	--	--	--	--	--	--	--	
Tooele	--	--	--	--	--	--	--	--	--	4.50	
Utah	--	1.00	1.00	--	--	--	--	--	--	--	
Wasatch	--	--	--	--	--	4.00	--	--	--	--	
REGIONAL TOTALS	3.00	2.50	1.00	--	--	4.00	--	--	--	4.50	2.63
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	--	--	--	--	--	4.00	
Iron	--	--	--	--	--	--	--	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	--	6.00	4.33	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	--	--	--	--	6.00	4.20	6.00
Northeastern Region											
Daggett	--	--	--	4.00	--	--	1.00	--	--	7.00	
Duchesne	--	--	--	--	--	--	--	--	--	2.00	
Uintah	--	--	--	--	--	--	--	--	--	4.50	
REGIONAL TOTALS	--	--	--	4.00	--	--	1.00	--	--	4.50	2.50
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	--	--	--	--	--	--	--	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	4.00	4.10	1.00	4.00	--	3.00	6.75	--	6.00	4.36	4.12

Trend of Ruffed Grouse observed per 100 hours, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	29	45	--	--	--	--	--	--	--	--	--
Cache	76	40	--	--	--	--	--	--	--	--	
Davis	--	76	--	--	--	--	--	--	--	--	
Morgan	50	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	--	--	--	--	--	--	--	
Summit	20	--	--	--	--	--	--	--	--	--	
Weber	26	170	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	32	47	--	--	--	--	--	--	--	--	40
Central Region											
Juab	--	--	--	--	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	12	38	--	--	--	--	--	--	--	--	
Tooele	--	--	--	--	--	--	--	--	--	21	
Utah	--	13	14	--	--	--	--	--	--	--	
Wasatch	--	--	--	--	--	1,000	--	--	--	17	
REGIONAL TOTALS	6	13	7	--	--	1,000	--	--	--	21	257
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	--	--	--	--	--	--	
Iron	--	--	--	--	--	--	--	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	--	--	--	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
Northeastern Region											
Daggett	--	--	--	50	--	--	80	--	--	267	
Duchesne	--	--	--	--	--	--	--	--	--	--	
Uintah	--	--	--	--	--	--	--	--	--	275	
REGIONAL TOTALS	--	--	--	50	--	--	80	--	--	771	65
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	--	--	--	--	--	--	--	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	23	31	2	31	--	2,500	336	--	--	152	487

Blue Grouse summer inventory, 2000.

Region and County	Distinct Broods		Mean Brood	Mixed Observ. Young	Adults w/o Young		Total Adults	Total Young	Young Per 100 Adults	Vehicle Miles	Hours of Effort		Grouse Per 100 Hrs
	# Adults	Young			Young	Young					Vehicle	Horse	
Northern Region													
Box Elder	--	--	--	1	--	1	1	1	100	52	8	--	25
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	1	--	1	1	1	100	52	8	--	25
Central Region													
Juab	--	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	1	1	5.00	4	4	4	10	9	90	30	6	20.5	26.5
Utah	--	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	2	2	2.50	11	9	22	30	30	136	290	20	3	31
REGIONAL TOTALS	3	3	3.33	16	13	32	39	39	122	320	26	3	51.5
Southern Region													
Beaver	--	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	1	1	5.00	0	0	1	5	5	500	--	--	--	--
Iron	6	6	4.83	0	14	20	29	145	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--	--
Millard	1	1	8.00	5	8	14	16	114	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	21	21	3.62	2	11	38	87	229	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	5	5	3.20	0	5	10	16	160	--	--	--	--	--
REGIONAL TOTALS	34	34	3.94	7	42	83	153	184	--	--	--	--	--
Northeastern Region													
Daggett	--	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	3	2	3	2	67	--	--	--	--	--
Uintah	1	1	3.00	--	1	2	3	150	5	0.5	1	--	333
REGIONAL TOTALS	1	1	3.00	3	2	5	5	100	5	0.5	1	--	667
Southeastern Region													
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	3	3	2.33	--	7	10	7	70	80	6.5	--	--	262
San Juan	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	3	3	2.33	--	7	10	7	70	80	6.5	--	--	262
STATE TOTALS	41	41	3.76	27	63	131	205	156	457	41	4	51.5	96.5
STATE TOTALS	41	41	3.76	27	63	131	205	156	457	41	4	51.5	96.5

Trend of Blue Grouse young per 100 adults, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	400	200	--	173	--	--	--	--	--	100	
Cache	600	80	--	--	--	400	--	--	--	--	
Davis	260	180	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	600	400	--	--	--	--	220	--	--	--	
Summit	155	--	--	--	--	--	--	--	--	--	
Weber	186	100	--	--	--	--	300	--	--	--	
REGIONAL TOTALS	277	207	--	173	--	400	248	--	--	100	261
Central Region											
Juab	--	--	--	140	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	--	--	--	--	--	--	--	--	--	
Tooele	231	300	--	40	--	--	--	--	--	90	
Utah	170	--	--	75	--	--	--	--	--	--	
Wasatch	--	100	100	--	--	--	--	--	--	136	
REGIONAL TOTALS	194	80	60	75	--	--	--	--	--	122	102
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	--	--	--	150	294	500	
Iron	--	--	--	--	--	--	--	213	--	145	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	200	208	114	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	250	367	229	
Washington	--	--	--	--	--	--	--	57	300	--	
Wayne	246	--	--	--	--	--	--	350	--	160	
REGIONAL TOTALS	246	--	--	--	--	--	--	224	277	184	249
Northeastern Region											
Daggett	--	600	--	--	100	450	175	220	--	--	
Duchesne	--	800	200	--	--	--	--	--	--	67	
Uintah	--	--	600	--	350	300	--	--	--	150	
REGIONAL TOTALS	--	400	--	--	267	330	175	220	--	100	278
Southeastern Region											
Carbon	--	500	--	--	--	--	--	286	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	200	286	289	200	--	--	400	--	--	70	
San Juan	500	233	167	--	--	--	--	--	--	--	
REGIONAL TOTALS	350	284	240	200	--	--	400	286	--	70	293
STATE TOTALS	238	243	291	167	267	336	253	232	277	156	256

Trend of average brood size for Blue Grouse, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	4.00	5.00	--	3.80	--	--	--	--	--	--	
Cache	4.50	4.00	--	--	--	4.00	--	--	--	--	
Davis	4.33	3.00	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	6.00	6.00	--	--	--	--	4.29	--	--	--	
Summit	3.40	--	--	--	--	--	--	--	--	--	
Weber	3.25	--	--	--	--	--	5.33	--	--	--	
REGIONAL TOTALS	4.05	4.31	--	3.80	--	4.00	4.60	--	--	--	4.15
Central Region											
Juab	--	--	--	3.50	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	--	--	--	--	--	--	--	--	--	
Tooele	3.60	3.00	--	2.00	--	--	--	--	--	5.00	
Utah	3.22	--	--	3.00	--	--	--	--	--	--	
Wasatch	--	1.00	3.00	--	--	--	--	--	--	2.50	
REGIONAL TOTALS	3.36	2.00	3.00	3.00	--	--	--	--	--	3.33	2.84
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	--	--	--	--	3.62	5.00	
Iron	--	--	--	--	--	--	--	2.13	--	4.83	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	4.00	4.67	8.00	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	5.00	4.00	3.62	
Washington	--	--	--	--	--	--	--	4.00	3.00	--	
Wayne	4.57	--	--	--	--	--	--	4.00	--	3.20	
REGIONAL TOTALS	4.57	--	--	--	--	--	--	3.29	3.81	3.94	3.89
Northeastern Region											
Daggett	--	6.00	--	--	1.00	4.50	1.75	3.67	--	--	
Duchesne	--	8.00	2.00	--	--	--	--	--	--	--	
Uintah	--	--	6.00	--	3.50	4.00	--	--	--	3.00	
REGIONAL TOTALS	--	6.67	4.00	--	2.67	4.14	1.75	3.67	--	3.00	3.82
Southeastern Region											
Carbon	--	5.00	--	--	--	--	--	4.00	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	2.00	4.38	3.17	4.00	--	--	4.00	--	--	2.33	
San Juan	5.00	3.50	2.50	--	--	--	--	--	--	--	
REGIONAL TOTALS	3.50	4.13	2.90	4.00	--	--	4.00	4.00	--	2.33	3.75
STATE TOTALS	3.88	4.29	2.91	3.69	2.67	4.13	3.82	3.48	3.81	3.76	3.63

Trend of Blue Grouse observed per 100 hours, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	21	136	--	750	--	--	0	--	--	25	
Cache	165	45	--	--	--	--	--	--	--	--	
Davis	86	112	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	175	79	--	--	--	--	--	--	--	--	
Summit	55	--	--	--	--	--	--	--	--	--	
Weber	65	40	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	63	83	--	750	--	--	800	--	--	25	424
Central Region											
Juab	--	--	--	600	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	23	25	--	--	--	--	--	--	--	
Tooele	--	200	--	350	--	--	--	--	--	72	
Utah	318	--	--	350	--	--	--	--	--	--	
Wasatch	--	9	150	--	--	--	--	--	--	96	
REGIONAL TOTALS	180	24	29	433	--	--	--	--	--	88	166
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	--	--	--	--	--	--	
Iron	--	--	--	--	--	--	--	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	--	--	--	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	2250	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	2250	--	--	--	--	--	--	--	--	--	2250
Northeastern Region											
Daggett	--	1400	--	--	200	--	183	1067	--	--	
Duchesne	--	225	120	--	--	--	--	--	--	--	
Uintah	--	--	3500	50	150	--	--	--	--	333	
REGIONAL TOTALS	--	500	370	8	157	--	183	1067	--	667	422
Southeastern Region											
Carbon	--	240	--	--	--	--	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	300	540	875	467	--	--	--	--	--	262	
San Juan	600	600	457	--	--	--	--	--	--	--	
REGIONAL TOTALS	450	480	113	467	--	--	--	--	--	262	378
STATE TOTALS	112	130	48	384	157	--	663	1067	--	348	366

Summary of Ruffed Grouse hunter success and distribution of harvest and hunting pressure by region and county, 2000.

Region and County	Sample Size*	Hunters Afield	Hunter-Days Afield	Ruffed Grouse Bagged	Ruffed Grouse Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	15	287	766	823	1.07	2.02	2.86
Cache	98	1,877	6,281	4,213	0.67	16.60	14.63
Davis	21	402	1,455	536	0.37	3.85	1.86
Morgan	17	326	1,245	1,168	0.00	3.29	4.06
Rich	22	421	862	728	0.84	2.28	2.53
Summit	54	1,034	3,179	2,892	0.00	8.40	10.04
Weber	18	345	1,398	1,015	0.73	3.69	3.52
REGIONAL TOTALS	245	4,692	15,186	11,375	0.75	40.13	39.50
Central Region							
Juab	13	249	843	555	0.66	2.23	1.93
Salt Lake	8	153	919	555	0.60	2.43	1.93
Sanpete	40	766	2,375	2,202	0.93	6.28	7.65
Tooele	5	96	306	57	0.19	0.81	0.20
Utah	80	1,532	6,109	4,136	0.68	16.14	14.36
Wasatch	66	1,264	4,155	4,021	0.97	10.98	13.96
REGIONAL TOTALS	212	4,060	14,707	11,526	0.78	38.87	40.03
Southern Region							
Beaver	3	57	96	77	0.80	0.25	0.27
Garfield	3	57	134	191	0.00	0.35	0.66
Iron	4	77	364	402	1.10	0.96	1.40
Kane	2	38	38	57	0.00	0.10	0.20
Millard	6	115	345	211	0.61	0.91	0.73
Piute	3	57	249	211	0.85	0.66	0.73
Sevier	35	670	1,455	1,513	1.04	3.85	5.25
Washington	0	0	0	0	0.00	0.00	0.00
Wayne	2	38	57	19	0.33	0.15	0.07
REGIONAL TOTALS	58	1,109	2,738	2,681	0.98	7.24	9.31
Northeastern Region							
Daggett	6	115	211	191	0.91	0.56	0.66
Duchesne	31	594	2,202	1,168	0.53	5.82	4.06
Uintah	24	460	1,398	670	0.48	3.69	2.33
REGIONAL TOTALS	61	1,169	3,811	2,029	0.53	10.07	7.05
Southeastern Region							
Carbon	13	249	747	670	0.90	1.97	2.33
Emery	7	134	345	287	0.83	0.91	1.00
Grand	5	96	211	191	0.91	0.56	0.66
San Juan	4	77	96	38	0.00	0.25	0.13
REGIONAL TOTALS	29	556	1,399	1,186	0.85	3.70	4.12
STATE TOTALS	605	11,586	37,841	28,797	0.76	100.00	100.00

*Total hunter trips from questionnaire returns.

Summary of Blue Grouse hunter success and distribution of harvest and hunting pressure by region and county, 2000.

Region and County	Sample Size*	Hunters Afield	Hunter-Days Afield	Blue Grouse Bagged	Blue Grouse Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	9	172	306	268	0.88	0.91	1.10
Cache	94	1,800	6,166	3,677	0.60	18.25	15.12
Davis	24	460	977	651	0.67	2.89	2.68
Morgan	9	172	536	460	0.00	1.59	1.89
Rich	11	211	555	249	0.45	1.64	1.02
Summit	34	651	2,298	1,264	0.00	6.80	5.20
Weber	15	287	900	555	0.62	2.66	2.28
REGIONAL TOTALS	196	3,753	11,738	7,124	0.61	34.75	29.29
Central Region							
Juab	18	345	1,187	498	0.42	3.51	2.05
Salt Lake	9	172	536	421	0.79	1.59	1.73
Sanpete	30	574	1,838	1,532	0.83	5.44	6.30
Tooele	15	287	574	651	1.13	1.70	2.68
Utah	72	1,379	5,132	3,198	0.62	15.19	13.15
Wasatch	51	977	3,313	2,336	0.71	9.81	9.60
REGIONAL TOTALS	195	3,734	12,580	8,636	0.69	37.24	35.51
Southern Region							
Beaver	5	96	211	211	1.00	0.62	0.87
Garfield	5	96	230	211	0.00	0.68	0.87
Iron	15	287	843	651	0.77	2.50	2.68
Kane		0	0	0	0.00	0.00	0.00
Millard	12	230	364	479	1.32	1.08	1.97
Piute	9	172	574	594	1.03	1.70	2.44
Sevier	48	919	2,087	1,857	0.89	6.18	7.64
Washington	3	57	230	211	0.92	0.68	0.87
Wayne	2	38	38	77	2.03	0.11	0.32
REGIONAL TOTALS	99	1,895	4,577	4,291	0.94	13.55	17.64
Northeastern Region							
Daggett	5	96	249	211	0.85	0.74	0.87
Duchesne	33	632	1,609	1,474	0.92	4.76	6.06
Uintah	32	613	1,819	1,398	0.77	5.39	5.75
REGIONAL TOTALS	70	1,341	3,677	3,083	0.84	10.89	12.68
Southeastern Region							
Carbon	9	172	517	594	1.15	1.53	2.44
Emery	6	115	268	268	1.00	0.79	1.10
Grand	5	96	191	172	0.90	0.57	0.71
San Juan	5	96	230	153	0.00	0.68	0.63
REGIONAL TOTALS	25	479	1,206	1,187	0.98	3.57	4.88
STATE TOTALS	585	11,202	33,778	24,321	0.72	100.00	100.00

*Total hunter trips from questionnaire returns.

Summary of Blue and Ruffed Grouse hunter success and distribution of harvest and hunting pressure by region and county, 2000.

Region and County	Sample Size*	Hunters Afield	Hunter-Days Afield	Grouse Harvested	Grouse Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	26	497	1,129	1,129	1.00	1.50	2.07
Cache	205	3,926	13,175	8,235	0.63	17.52	15.12
Davis	49	939	2,662	1,244	0.47	3.54	2.28
Morgan	28	536	1,858	1,685	0.91	2.47	3.09
Rich	35	670	1,474	977	0.66	1.96	1.79
Summit	94	1,800	5,745	4,271	0.74	7.64	7.84
Weber	37	709	2,413	1,589	0.66	3.21	2.92
REGIONAL TOTALS	474	9,077	28,456	19,130	0.67	37.84	35.13
Central Region							
Juab	32	613	2,030	1,053	0.52	2.70	1.93
Salt Lake	17	325	1,455	976	0.67	1.93	1.79
Sanpete	73	1,397	4,328	3,791	0.88	5.76	6.96
Tooele	21	402	899	708	0.79	1.20	1.30
Utah	162	3,102	11,547	7,411	0.64	15.36	13.61
Wasatch	121	2,318	7,698	6,414	0.83	10.24	11.78
REGIONAL TOTALS	426	8,157	27,957	20,353	0.73	37.18	37.38
Southern Region							
Beaver	9	172	345	307	0.89	0.46	0.56
Garfield	9	172	421	479	1.14	0.56	0.88
Iron	23	441	1,705	1,225	0.72	2.27	2.25
Kane	3	57	57	114	2.00	0.08	0.21
Millard	19	364	747	709	0.95	0.99	1.30
Piute	12	229	823	805	0.98	1.09	1.48
Sevier	90	1,723	3,887	3,466	0.89	5.17	6.36
Washington	3	57	230	211	0.92	0.31	0.39
Wayne	4	76	95	96	1.01	0.13	0.18
REGIONAL TOTALS	172	3,291	8,310	7,412	0.89	11.05	13.61
Northeastern Region							
Daggett	11	211	460	402	0.87	0.61	0.74
Duchesne	69	1,322	3,926	2,661	0.68	5.22	4.89
Uintah	60	1,150	3,313	2,068	0.62	4.41	3.80
REGIONAL TOTALS	140	2,683	7,699	5,131	0.67	10.24	9.42
Southeastern Region							
Carbon	24	459	1,321	1,302	0.99	1.76	2.39
Emery	14	268	632	555	0.88	0.84	1.02
Grand	12	230	498	382	0.77	0.66	0.70
San Juan	9	173	326	191	0.59	0.43	0.35
REGIONAL TOTALS	59	1,130	2,777	2,430	0.88	3.69	4.46
STATE TOTALS	1271	24,338	75,199	54,456	0.72	100.00	100.00

*Total hunter trips from questionnaire returns.

Statewide summary of Forest Grouse harvest statistics, 1963-2000.

Year	Total Hunters			Ruffed			Blue			Unknown			Total			Total Hunter-			Grouse/Hunter-Day			Grouse/Hunter		
	Hunters	Total	Percent	Total	Percent	Percent	Total	Percent	Percent	Total	Percent	Percent	Harvest	Days Afield	Ruffed	Blue	Total	Ruffed	Blue	Total	Ruffed	Blue	Total	
1963	7,425	5,470	40.20	7,372	54.17	5.63	766			13,608	12,313	0.44	0.66	1.11	0.74	0.99	1.83							
1964	6,487	5,354	42.19	6,685	52.68	5.14	652			12,691	10,566	0.51	0.63	1.20	0.82	1.03	1.96							
1965	6,005	3,225	37.20	4,924	56.80	6.00	520			8,669	10,504	0.31	0.47	0.83	0.54	0.82	1.44							
1966	6,683	6,966	56.54	4,659	37.81	6.65	696			12,321	12,387	0.56	0.38	0.99	1.04	0.68	1.84							
1967	9,420	8,476	48.36	6,773	38.65	12.99	2,277			17,526	17,773	0.48	0.38	0.99	0.87	0.69	1.86							
1968	13,061	17,048	52.59	12,604	38.88	8.52	2,762			32,414	26,537	0.64	0.47	1.22	1.30	0.96	2.48							
1969	12,523	9,490	44.14	10,419	48.46	7.39	1,589			21,498	24,572	0.38	0.42	0.87	1.22	0.83	1.72							
1970	12,775	15,590	48.87	13,515	42.37	8.76	2,793			31,898	26,619	0.59	0.51	1.20	1.22	1.06	2.50							
1971	13,363	15,759	49.40	13,749	43.10	7.50	2,391			31,901	29,100	0.54	0.47	1.10	1.18	1.03	2.39							
1972	16,640	20,648	48.56	19,221	45.21	6.23	2,649			42,518	38,940	0.53	0.49	1.09	1.24	1.16	2.56							
1973	17,588	7,153	15.81	36,846	81.46	2.73	1,233			45,232	44,738	0.16	0.82	1.01	0.41	2.09	2.57							
1974	21,920	24,561	39.34	32,236	51.63	9.04	5,642			62,439	55,258	0.44	0.58	1.13	1.12	1.47	2.85							
1975	20,102	15,750	37.09	23,138	54.49	8.41	3,573			42,461	50,579	0.31	0.45	0.84	0.78	1.15	2.11							
1976	21,186	23,551	37.13	35,660	56.21	6.66	4,225			63,436	56,422	0.42	0.63	1.12	1.11	1.68	2.99							
1977	19,188	15,766	37.12	23,455	55.22	7.67	3,256			42,477	48,746	0.37	0.48	0.87	0.82	1.22	2.21							
1978	25,318	30,340	37.20	46,651	57.20	5.60	4,567			81,558	72,732	0.42	0.64	1.12	1.20	1.84	3.22							
1979	21,993	23,156	38.69	33,070	55.25	6.06	3,625			59,851	57,404	0.40	0.58	1.04	1.05	1.50	2.61							
1980	19,511	15,457	33.96	27,588	60.60	5.44	2,477			45,522	49,899	0.31	0.55	0.91	0.79	1.41	2.33							
1981	14,329	8,557	30.68	17,852	64.00	5.32	1,485			27,894	34,305	0.25	0.52	0.81	0.60	1.25	1.95							
1982	12,384	7,509	34.48	12,138	55.74	9.79	2,131			21,778	28,767	0.26	0.42	0.76	0.60	0.98	1.76							
1983	13,414	11,366	37.78	16,955	56.35	5.87	1,767			30,088	34,530	0.33	0.49	0.87	0.84	1.26	2.24							
1984	11,511	6,780	33.24	12,647	62.01	4.75	969			20,396	27,244	0.25	0.46	0.75	0.59	1.10	1.77							
1985	12,646	8,701	37.67	13,416	58.09	4.24	980			23,097	31,290	0.28	0.43	0.74	0.69	1.06	1.83							
1986	12,117	8,819	36.95	14,156	59.31	3.75	894			23,869	30,312	0.29	0.47	0.79	0.73	1.17	1.97							
1987	14,831	15,811	34.88	28,068	61.92	3.19	1,447			45,326	41,428	0.38	0.68	1.09	1.07	1.89	3.06							
1988	16,947	19,100	35.66	31,556	58.91	5.43	2,906			53,562	51,726	0.37	0.61	1.04	1.13	1.86	3.16							
1989	16,987	16,323	35.88	27,794	61.10	3.01	1,370			45,487	50,631	0.32	0.55	0.90	0.96	1.64	2.68							
1990	14,591	11,010	28.29	26,115	67.10	4.62	1,797			38,922	44,452	0.25	0.59	0.83	0.75	1.79	2.53							
1991	14,421	12,073	34.60	21,310	61.07	4.34	1,514			34,897	42,517	0.35	0.50	0.82	0.84	1.48	2.42							
1992	15,000	15,017	33.73	29,146	65.47	0.80	355			44,518	46,136	0.33	0.63	0.96	1.00	1.94	2.97							
1993	12,029	6,650	36.65	11,040	60.84	2.52	457			18,147	36,390	0.18	0.30	0.50	0.55	0.92	1.51							
1994	9,827	6,908	36.62	11,865	62.90	0.47	89			18,862	27,510	0.25	0.43	0.68	0.70	1.21	1.92							
1995	10,088	13,140	44.83	16,172	55.17	0.00	0			29,312	35,591	0.37	0.45	0.82	1.30	1.60	2.91							
1996	14,702	29,567	48.53	31,355	51.47	0.00	0			60,922	62,711	0.47	0.50	0.97	2.01	2.13	4.14							
1997	10,206	14,861	47.63	16,337	52.37	0.00	0			31,198	39,304	0.38	0.42	0.79	1.46	1.60	3.06							
1998	20,310	12,586	23.12	14,773	27.14	49.74	27,080			54,439	66,256	0.19	0.22	0.82	0.62	0.73	2.68							
1999	41,041	32,018	26.31	28,741	23.61	50.08	60,949			121,708	140,478	0.23	0.20	0.87	0.78	0.70	2.97							
2000	24,338	28,797	52.88	24,321	44.66	2.46	1,338			54,456	75,199	0.38	0.32	0.72	1.18	1.00	2.24							
Totals	582,907	549,353	--	764,322	--	--	153,223			1,466,898	1,591,866	--	--	--	--	--	--	--						
Averages	15,096	14,069	38.43	20,000	53.91	7.66	4,105			38,174	40,991	0.37	0.50	0.93	0.92	1.30	2.41							
% Change From Previous Year	-41	-10	101	-15	89	-95	-98			-55	-46	68	58	-16	52	43	-25							
% Change From Average	61	105	38	22	-17	-68	-67			43	83	5	-35	-22	28	-23	-7							

Blue and Ruffed Grouse harvest statistics and hunt regulations, 1963-2000.

Year	Total Harvest			Total Hunters Afield	Total Hunter-Days Afield	Season Length			Aggregate Bag Limits	
	Ruffed Grouse	Blue Grouse	Forest Grouse			Open	Close	Days	Daily	Possession
	1963*	5,470	7,372	13,608	7,425	12,313	?	?	?	4
1964	5,354	6,685	12,691	6,487	10,566	9/26	10/16	21	4	8
1965	3,225	4,924	8,669	6,005	105,074	9/25	10/22	28	4	8
1966	6,966	4,659	12,321	6,683	12,387	9/24	10/21	28	4	8
1967	8,476	6,773	17,526	9,420	17,773	9/23	10/31	39	4	8
1968	17,048	12,604	32,414	13,061	26,537	9/28	10/29	32	4	8
1969	9,490	10,419	21,498	12,523	24,572	9/27	11/02	37	4	8
1970	15,590	13,515	31,898	12,775	26,619	9/26	11/06	42	4	8
1971	15,759	13,749	31,901	13,363	29,100	9/25	11/30	67	4	8
1972	20,648	19,221	42,518	16,640	38,940	9/23	11/30	69	4	8
1973	7,153	36,846	45,232	17,588	44,738	9/22	11/30	70	4	8
1974	24,561	32,236	62,439	21,920	55,258	9/28	11/30	64	4	8
1975	15,750	23,138	42,461	20,102	50,579	9/20	11/30	72	4	8
1976	23,551	35,660	63,436	21,186	56,422	9/18	11/30	74	4	8
1977	15,766	23,455	42,477	19,188	48,746	9/17	11/30	75	4	8
1978	30,340	46,651	81,558	25,318	72,732	9/16	11/30	76	4	8
1979	23,156	33,070	59,851	21,993	57,404	9/15	11/30	77	4	8
1980	15,457	27,588	45,522	19,511	49,899	9/20	11/30	72	4	8
1981	8,557	17,852	27,894	14,329	34,305	9/19	11/30	73	4	8
1982	7,509	12,138	21,778	12,384	28,767	9/18	11/30	74	4	8
1983	11,366	16,955	30,088	13,414	34,530	9/17	11/30	75	4	8
1984	6,780	12,647	20,396	11,511	27,244	9/15	11/30	77	4	8
1985	8,701	13,416	23,097	12,646	31,290	9/14	11/30	78	4	8
1986	8,819	14,156	23,869	12,117	30,312	9/13	11/30	79	4	8
1987	15,811	28,068	45,326	14,831	41,428	9/12	11/30	80	4	8
1988	19,100	31,556	53,562	16,947	51,726	9/11	11/30	82	4	8
1989	16,323	27,794	45,487	16,987	50,631	9/09	11/30	82	4	8
1990	11,010	26,115	38,922	14,591	44,452	9/08	11/30	82	4	8
1991	12,073	21,310	34,897	14,421	42,517	9/14	11/30	77	4	8
1992	15,017	29,146	44,518	15,000	46,136	9/12	11/30	79	4	8
1993	6,650	11,040	18,147	12,029	36,390	9/11	11/30	82	4	8
1994	6,908	11,865	18,862	9,827	27,510	9/10	11/30	81	4	8
1995	13,140	16,172	29,312	10,088	35,591	9/9	11/30	82	4	8
1996	29,567	31,355	60,922	14,702	62,711	9/7	11/30	84	4	8
1997	14,861	16,337	31,198	10,206	39,304	9/12	11/30	80	4	8
1998	12,586	14,773	54,439	20,310	66,256	9/12	11/30	80	4	8
1999	32,018	28,741	60,949	41,041	140,478	9/11	11/30	81	4	8
2000	28,797	24,321	54,456	24,338	75,199	9/13	11/30	80	4	8

* From 1950 to 1963 a grouse stamp was required to hunt any grouse. In 1964, the entire state was opened to hunting without a stamp.

Sex and age composition of harvested Blue Grouse, 2000*

Region and County	Sample Size		Adults		Young		Yearlings		Young Per 100 Adults		Young Per 100 Hens		Percent Males		Percent Females		Percent Young		Percent Adult Females		
	M	F	M	F	M	F	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Northern Region																					
Box Elder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS																					
Central Region																					
Juab	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	282	68	66	134	77	67	67	144	1	3	4	1	3	52	48	52	52	52	24	24	24
REGIONAL TOTALS																					
Southern Region																					
Beaver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS																					
Northeastern Region																					
Daggett	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS																					
Southeastern Region																					
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	2	10	12	8	11	19	0	0	158	190	32	68	61	32	61	32	32	32	32	32
REGIONAL TOTALS																					
STATE TOTALS																					
282	70	76	146	85	78	163	0	0	112	214	50	50	50	53	25	25	25	25	25	25	25

*Information based on wing collection data.

QUAIL

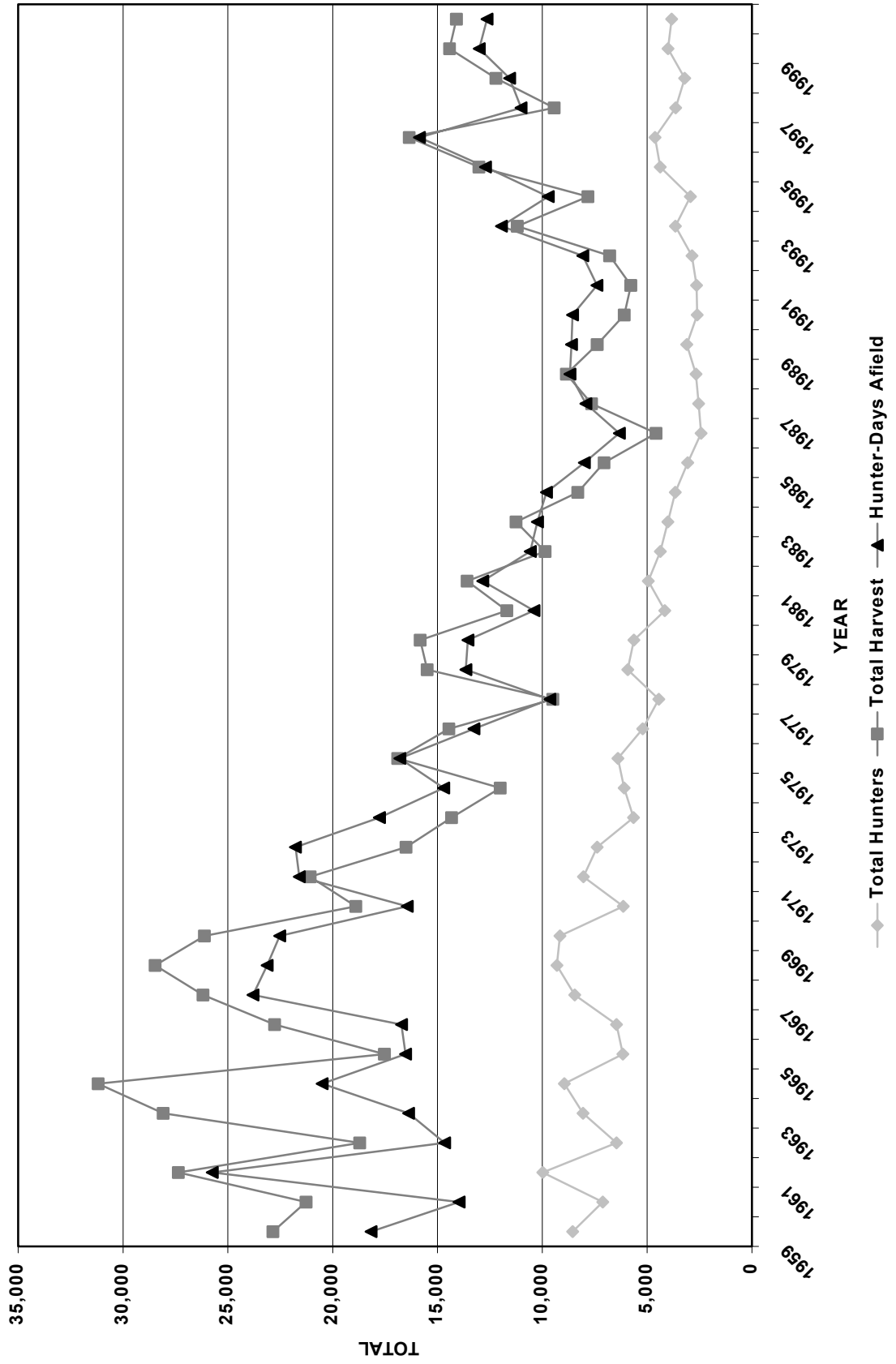
California Quail



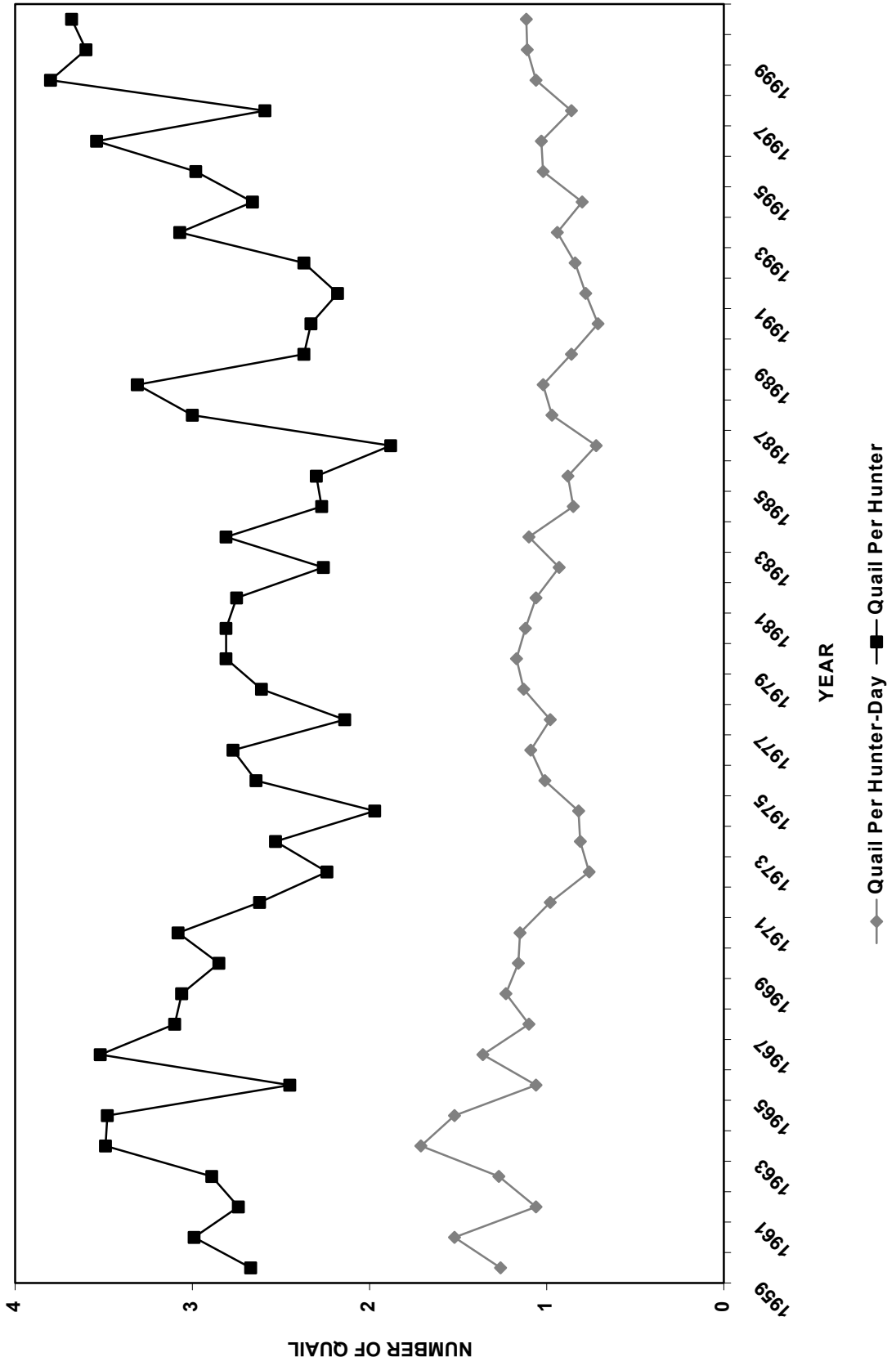
Gambel's Quail



Statewide trends of quail harvest statistics, 1959-2000.



Statewide trends of quail hunter success rates, 1959-2000.



Quail summer inventory, 2000.

Region and County	Distinct Broods		Mean Brood	Mixed Observ.		Adults w/o Young	Total Adults	Total Young	Young Per 100 Adults	Vehicle Miles		Hours of Effort		Birds Per 100 Hrs
	# Adults	Young		Adults	Young					Vehicle Miles	Horse	Walk	Total	
Northern Region														
Box Elder	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Central Region														
Juab	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southern Region														
Beaver	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	19	35	234	12.32	22	106	4	61	340	557	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	19	35	234	12.32	22	106	4	61	340	557	--	--	--	--
Northeastern Region														
Daggett	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region														
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	19	35	234	12.32	22	106	4	61	340	557	--	--	--	--

Summary of quail hunter success and distribution of harvest and hunting pressure by region and county, 2000.

Region and County	Sample Size*	Hunters Afield	Hunter-Days Afield	Quail Bagged	Quail Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	3	57	134	38	0.28	1.06	0.27
Cache	2	38	77	0	0.00	0.61	0.00
Davis	3	57	230	153	0.67	1.82	1.09
Morgan	1	19	57	19	0.00	0.45	0.13
Rich	0	0	0	0	0.00	0.00	0.00
Summit	1	19	96	77	0.00	0.76	0.55
Weber	4	77	172	230	1.34	1.36	1.63
REGIONAL TOTALS	14	267	766	517	0.67	6.06	3.67
Central Region							
Juab	4	77	172	57	0.33	1.36	0.40
Salt Lake	1	19	19	0	0.00	0.15	0.00
Sanpete	3	57	96	57	0.59	0.76	0.40
Tooele	3	57	230	230	1.00	1.82	1.63
Utah	24	460	1,245	785	0.63	9.85	5.57
Wasatch	1	19	38	0	0.00	0.30	0.00
REGIONAL TOTALS	36	689	1,800	1,129	0.63	14.24	8.01
Southern Region							
Beaver	1	19	19	19	1.00	0.15	0.13
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	1	19	38	0	0.00	0.30	0.00
Kane	0	0	0	0	0.00	0.00	0.00
Millard	7	134	326	153	0.47	2.58	1.09
Piute	0	0	0	0	0.00	0.00	0.00
Sevier	3	57	57	57	1.00	0.45	0.40
Washington	43	823	2,566	4,711	1.84	20.30	33.43
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	55	1,052	3,006	4,940	1.64	23.79	35.05
Northeastern Region							
Daggett	0	0	0	0	0.00	0.00	0.00
Duchesne	34	651	2,126	2,528	1.19	16.82	17.94
Uintah	37	709	3,504	3,466	0.99	27.73	24.59
REGIONAL TOTALS	71	1,360	5,630	5,994	1.06	44.55	42.53
Southeastern Region							
Carbon	5	96	287	287	1.00	2.27	2.04
Emery	18	345	1,072	1,130	1.05	8.48	8.02
Grand	1	19	77	96	1.25	0.61	0.68
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	24	460	1,436	1,513	1.05	11.36	10.74
STATE TOTALS	200	3,828	12,638	14,093	1.12	100.00	100.00

*Total hunter trips from questionnaire returns.

Statewide summary of quail harvest statistics, 1951-2000.

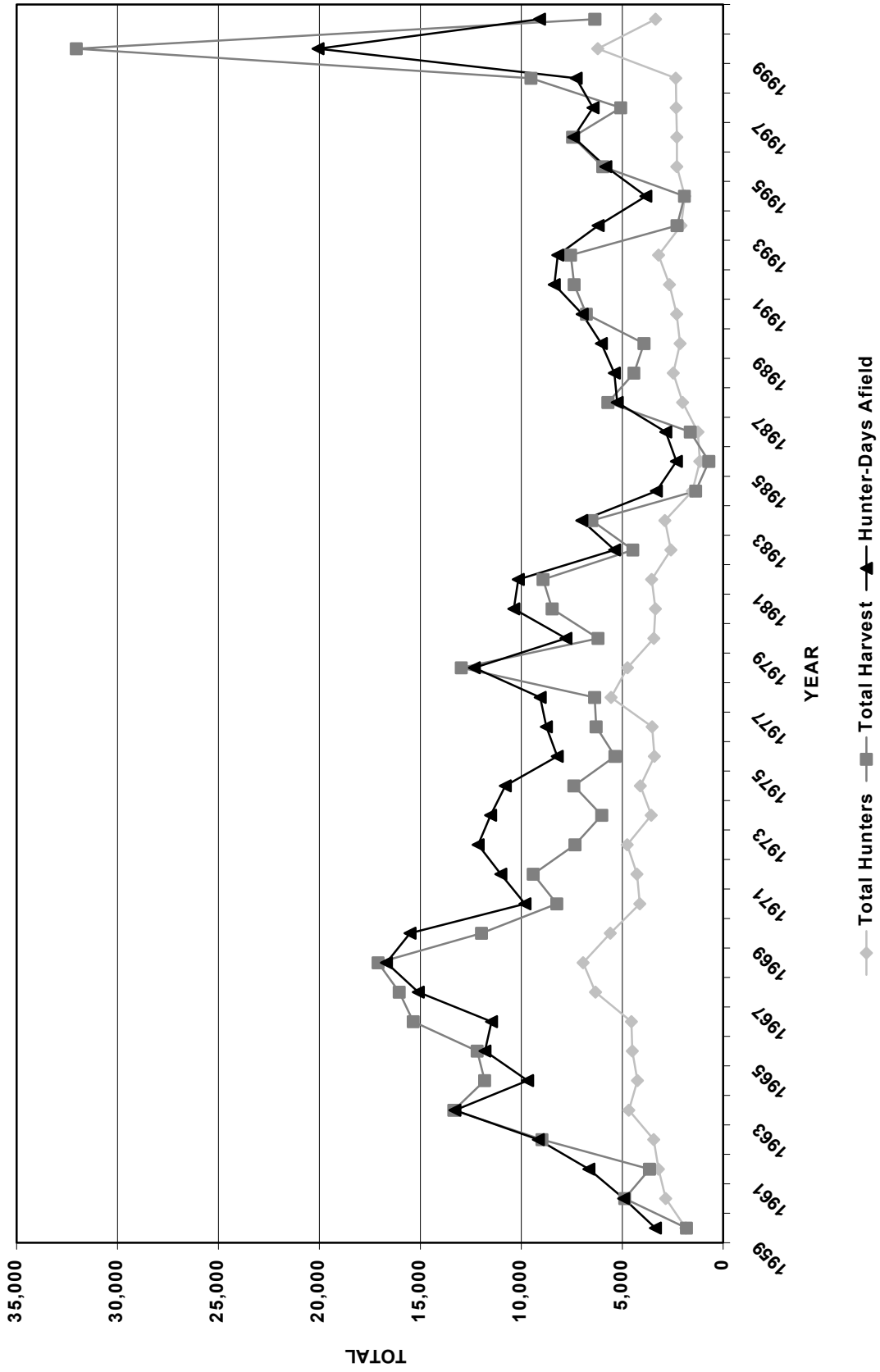
Year	Total Hunters	Total Harvest	Hunter-Days Afield	Quail Per Hunter-Day	Quail Per Hunter
1951	3,856	6,362	7,069	0.90	1.65
1952	2,694	6,105	5,500	1.11	2.27
1953	2,676	5,753	4,494	1.28	2.15
1954	3,855	7,479	8,696	0.86	1.94
1955	--	--	--	0.17	2.10
1956	--	--	--	--	2.26
1957	--	--	--	--	1.85
1958	--	--	--	--	3.73
1959	8,554	22,854	18,174	1.26	2.67
1960	7,117	21,272	13,971	1.52	2.99
1961	9,980	27,362	25,746	1.06	2.74
1962	6,462	18,710	14,660	1.27	2.89
1963	8,059	28,088	16,383	1.71	3.49
1964	8,951	31,189	20,510	1.52	3.48
1965	6,163	17,532	16,528	1.06	2.45
1966	6,465	22,771	16,720	1.36	3.52
1967	8,455	26,187	23,806	1.10	3.10
1968	9,302	28,469	23,132	1.23	3.06
1969	9,160	26,119	22,529	1.16	2.85
1970	6,141	18,896	16,452	1.15	3.08
1971	8,039	21,082	21,595	0.98	2.62
1972	7,380	16,504	21,779	0.76	2.24
1973	5,654	14,324	17,777	0.81	2.53
1974	6,097	12,005	14,702	0.82	1.97
1975	6,397	16,903	16,805	1.01	2.64
1976	5,215	14,454	13,261	1.09	2.77
1977	4,446	9,496	9,646	0.98	2.14
1978	5,924	15,491	13,649	1.13	2.61
1979	5,632	15,821	13,550	1.17	2.81
1980	4,156	11,690	10,400	1.12	2.81
1981	4,946	13,586	12,843	1.06	2.75
1982	4,368	9,870	10,575	0.93	2.26
1983	4,012	11,248	10,232	1.10	2.81
1984	3,654	8,303	9,805	0.85	2.27
1985	3,065	7,051	7,994	0.88	2.30
1986	2,432	4,574	6,326	0.72	1.88
1987	2,549	7,648	7,918	0.97	3.00
1988	2,671	8,849	8,682	1.02	3.31
1989	3,111	7,384	8,607	0.86	2.37
1990	2,614	6,091	8,561	0.71	2.33
1991	2,644	5,775	7,393	0.78	2.18
1992	2,861	6,788	8,068	0.84	2.37
1993	3,649	11,192	11,952	0.94	3.07
1994	2,936	7,822	9,721	0.80	2.66
1995	4,374	13,023	12,712	1.02	2.98
1996	4,622	16,351	15,862	1.03	3.54
1997	3,637	9,436	11,016	0.86	2.59
1998	3,211	12,213	11,562	1.06	3.80
1999	4,002	14,422	13,007	1.11	3.60
2000	3,828	14,093	12,638	1.12	3.68
Totals					
(1951-2000)	236,016	658,637	613,008	--	--
Averages					
(1951-1999)	5,160	14,323	13,342	1.02	2.68
% Change From					
Previous Year	-4	-2	-3	0	2
% Change From					
Average	-26	-2	-5	9	37

HUNGARIAN PARTRIDGE

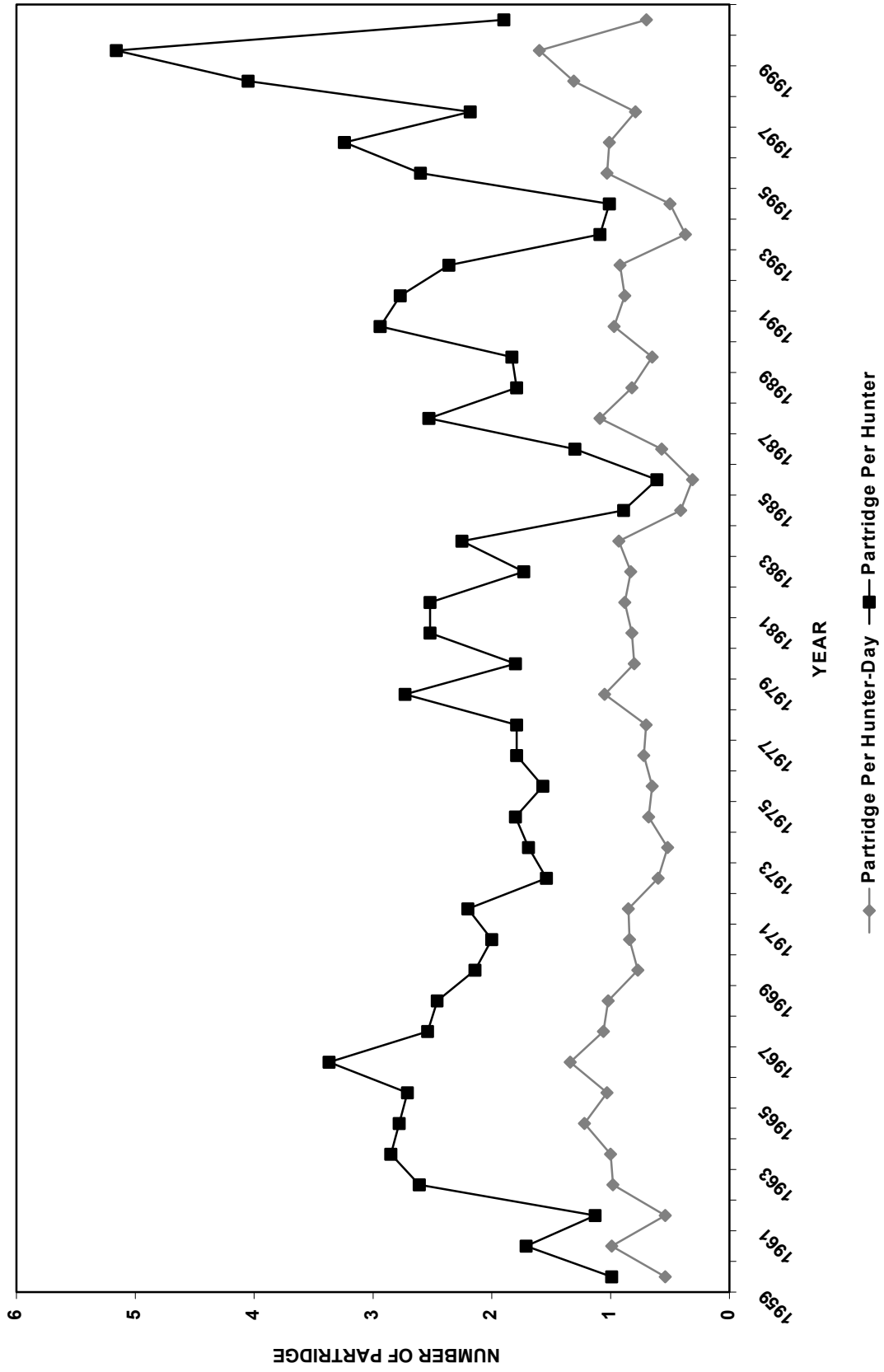


CLARK BRONSON

Statewide trends of Hungarian Partridge harvest statistics, 1959-2000.



Statewide trends of Hungarian Partridge hunter success rates, 1959-2000.



Summary of Hungarian Partridge hunter success and distribution of harvest and hunting pressure by region and county, 2000.

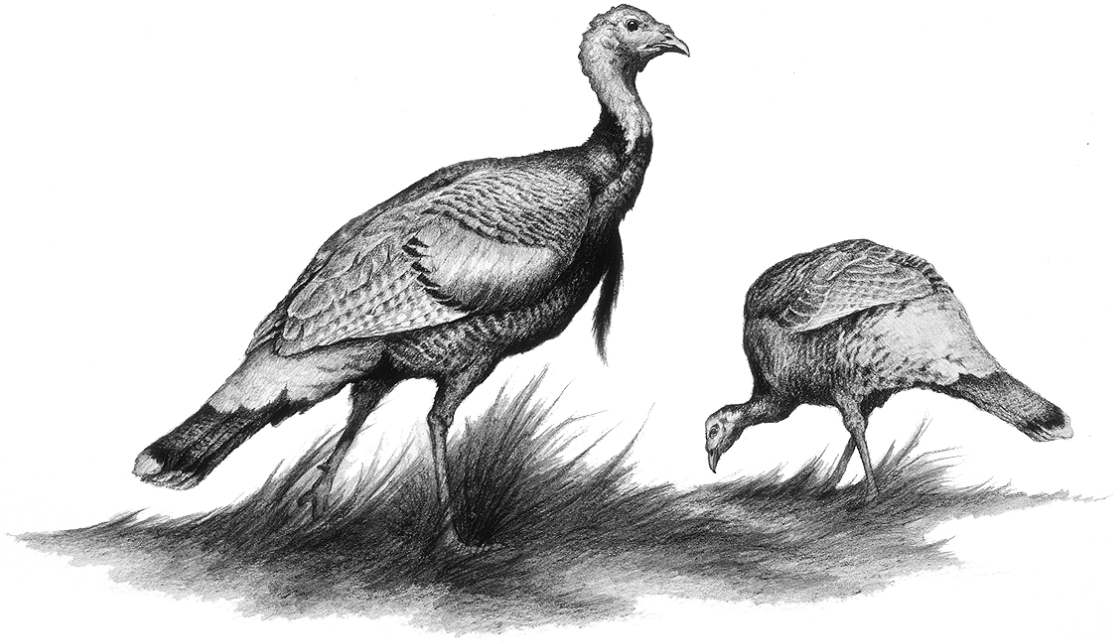
Region and County	Sample Size*	Hunters Afield	Hunter-Days Afield	Partridge Bagged	Partridge Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	113	2,164	5,209	4,251	0.82	57.27	66.89
Cache	33	632	2,355	823	0.35	25.89	12.95
Davis	0	0	0	0	0.00	0.00	0.00
Morgan	4	77	345	0	0.00	3.79	0.00
Rich	5	96	211	153	0.73	2.32	2.41
Summit	1	19	38	38	0.00	0.42	0.60
Weber	2	38	77	38	0.49	0.85	0.60
REGIONAL TOTALS	158	3,026	8,235	5,303	0.64	90.53	83.45
Central Region							
Juab	3	57	115	0	0.00	1.26	0.00
Salt Lake	1	19	38	57	1.50	0.42	0.90
Sanpete	1	19	19	0	0.00	0.21	0.00
Tooele	2	38	38	0	0.00	0.42	0.00
Utah	3	57	115	172	1.50	1.26	2.71
Wasatch	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	10	190	325	229	0.70	3.57	3.60
Southern Region							
Beaver	2	38	96	0	0.00	1.06	0.00
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	1	19	172	77	0.45	1.89	1.21
Kane	0	0	0	0	0.00	0.00	0.00
Millard	0	0	0	0	0.00	0.00	0.00
Piute	0	0	0	0	0.00	0.00	0.00
Sevier	2	38	77	57	0.74	0.85	0.90
Washington	1	19	134	670	5.00	1.47	10.54
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	6	114	479	804	1.68	5.27	12.65
Northeastern Region							
Daggett	0	0	0	0	0.00	0.00	0.00
Duchesne	0	0	0	0	0.00	0.00	0.00
Uintah	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	0	0	0	0	0.00	0.00	0.00
Southeastern Region							
Carbon	0	0	0	0	0.00	0.00	0.00
Emery	0	0	0	0	0.00	0.00	0.00
Grand	0	0	0	0	0.00	0.00	0.00
San Juan	1	19	57	19	0.33	0.63	0.30
REGIONAL TOTALS	1	19	57	19	0.33	0.63	0.30
STATE TOTALS	175	3,349	9,096	6,355	0.70	100.00	100.00

*Total hunter trips from questionnaire returns.

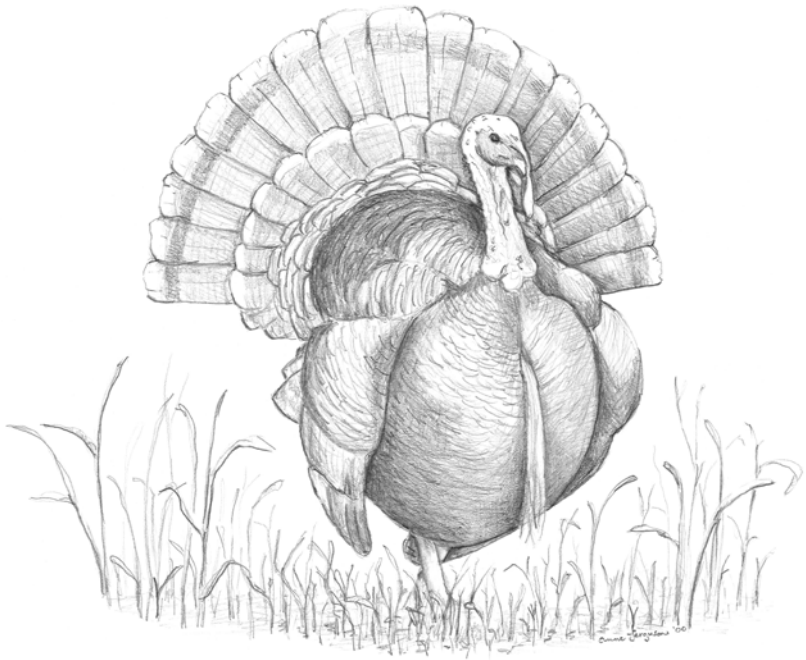
Statewide summary of Hungarian Partridge harvest statistics, 1955-2000.

Year	Total Hunters	Total Harvest	Hunter-Days Afield	Partridge Per Hunter-Day	Partridge Per Hunter
1955	--	--	--	--	0.39
1956	--	--	--	--	0.89
1957	--	--	--	--	0.45
1958	--	--	--	--	1.34
1959	1,846	1,820	3,354	0.54	0.99
1960	2,847	4,877	4,929	0.99	1.71
1961	3,205	3,648	6,645	0.54	1.13
1962	3,440	8,970	9,153	0.98	2.61
1963	4,676	13,343	13,291	1.00	2.85
1964	4,249	11,812	9,688	1.22	2.78
1965	4,498	12,183	11,798	1.03	2.71
1966	4,549	15,348	11,473	1.34	3.37
1967	6,321	16,049	15,105	1.06	2.54
1968	6,935	17,089	16,674	1.02	2.46
1969	5,591	11,966	15,515	0.77	2.14
1970	4,128	8,236	9,818	0.84	2.00
1971	4,276	9,407	11,011	0.85	2.20
1972	4,754	7,335	12,135	0.60	1.54
1973	3,566	6,014	11,516	0.52	1.69
1974	4,103	7,389	10,789	0.68	1.80
1975	3,409	5,358	8,216	0.65	1.57
1976	3,517	6,287	8,753	0.72	1.79
1977	5,557	6,360	9,058	0.70	1.79
1978	4,743	12,969	12,328	1.05	2.73
1979	3,435	6,200	7,787	0.80	1.80
1980	3,359	8,466	10,366	0.82	2.52
1981	3,545	8,916	10,147	0.88	2.52
1982	2,590	4,475	5,379	0.83	1.73
1983	2,889	6,506	6,998	0.93	2.25
1984	1,523	1,360	3,309	0.41	0.89
1985	1,157	707	2,314	0.31	0.61
1986	1,257	1,627	2,843	0.57	1.30
1987	2,010	5,711	5,246	1.09	2.53
1988	2,471	4,424	5,392	0.82	1.79
1989	2,136	3,920	6,035	0.65	1.83
1990	2,305	6,770	6,976	0.97	2.94
1991	2,662	7,376	8,367	0.88	2.77
1992	3,198	7,553	8,192	0.92	2.36
1993	2,090	2,280	6,194	0.37	1.09
1994	1,899	1,916	3,832	0.50	1.01
1995	2,294	5,967	5,812	1.03	2.60
1996	2,299	7,455	7,409	1.01	3.24
1997	2,328	5,071	6,443	0.79	2.18
1998	2,350	9,515	7,281	1.31	4.05
1999	6,211	32,036	20,063	1.60	5.16
2000	3,349	6,355	9,096	0.70	1.90
Totals (1959-2000)	143,567	331,066	366,730	--	--
Averages (1959-1999)	3,420	7,920	8,723	0.84	2.18
% Change From Previous Year	-46	-80	-55	-56	-63
% Change From Average	-2	-20	4	-17	-13

WILD TURKEY

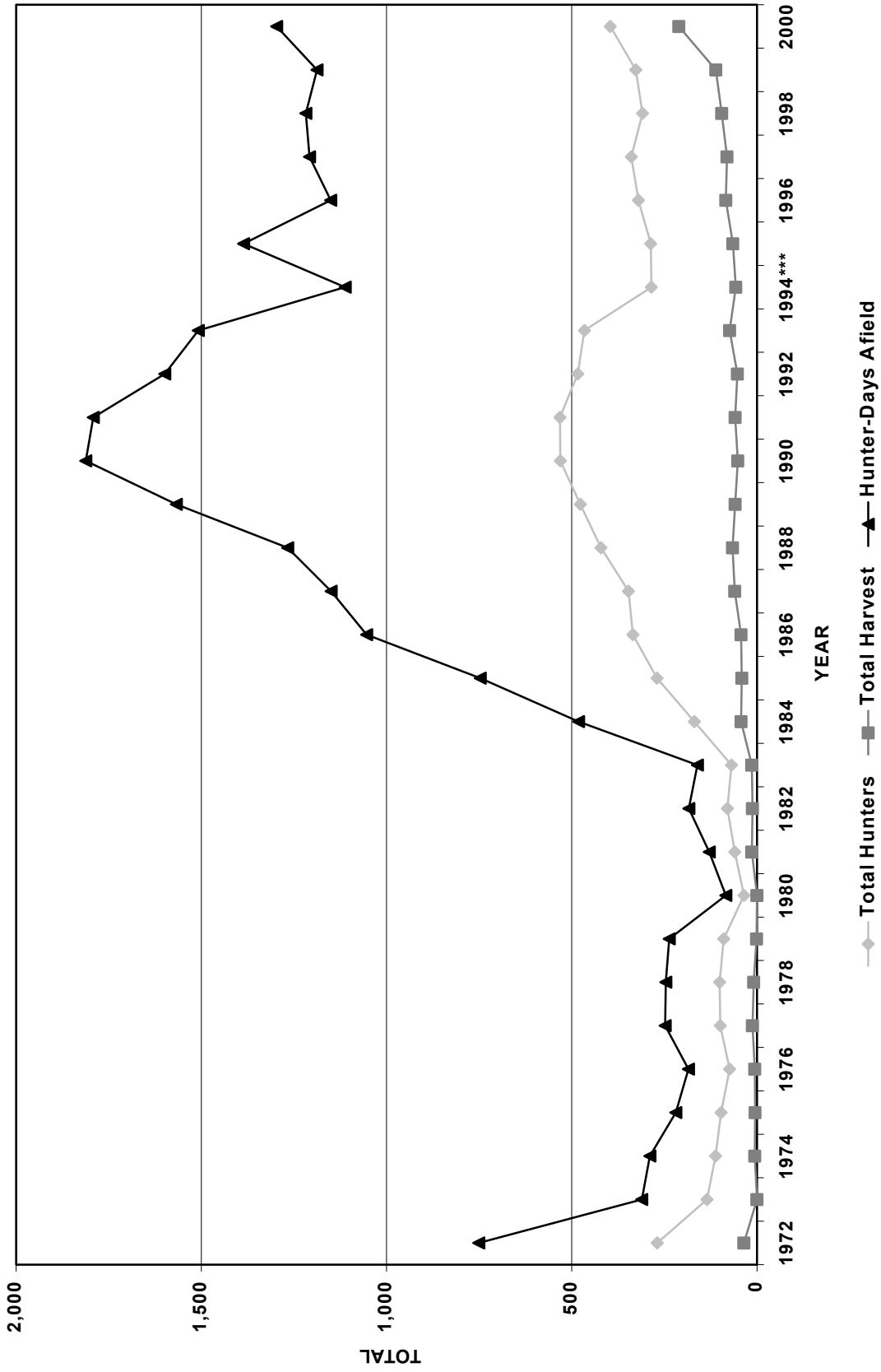


CLARK BRANSON

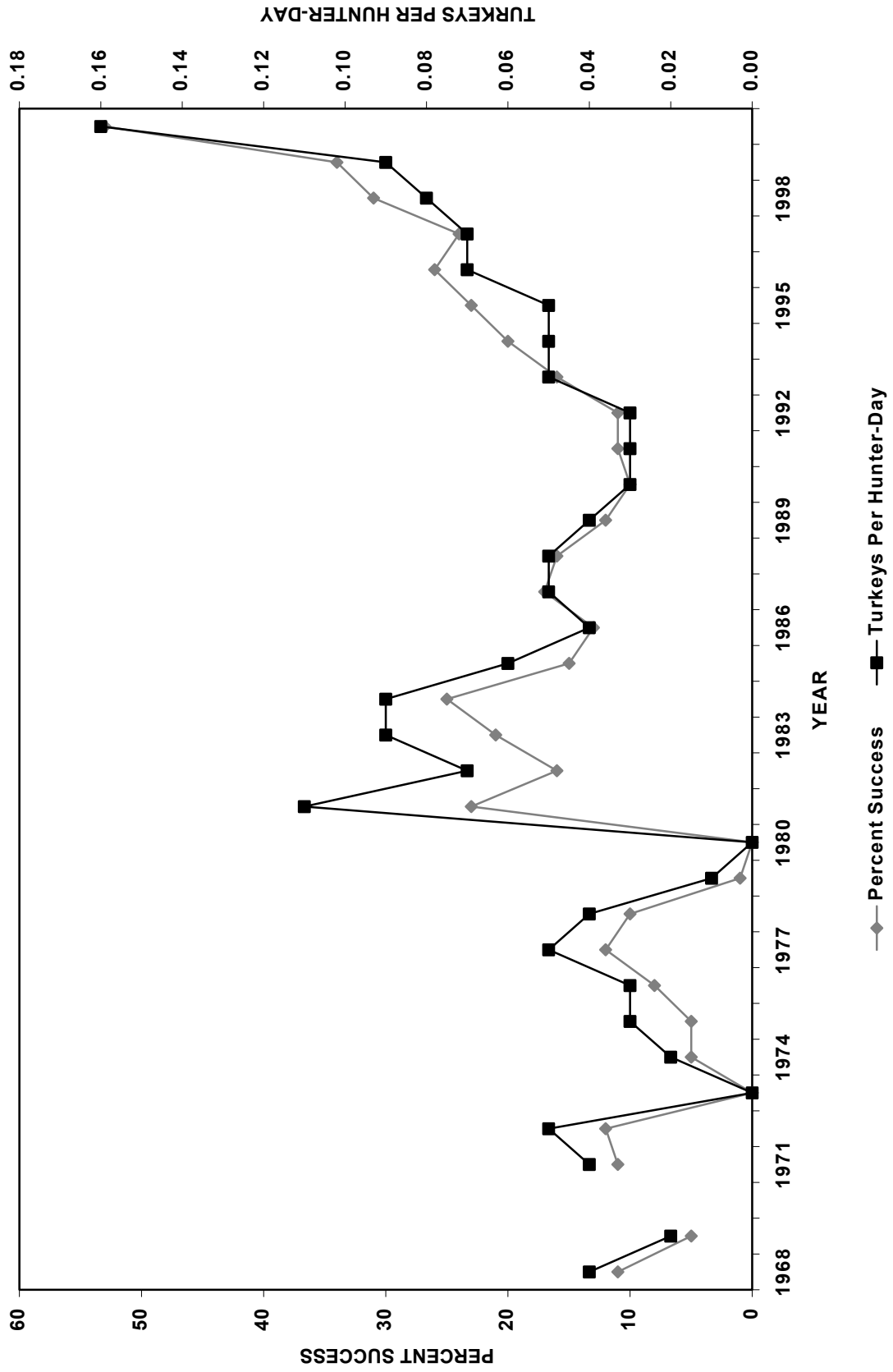


Merriam's Wild Turkey and Rio Grande Wild Turkey

Statewide trends of spring Merriam's Wild Turkey harvest statistics, 1972-2000.



Statewide trends of spring Merriam's Wild Turkey hunter success rates, 1968-2000.



Summary of spring Merriam's Wild Turkey season, 2000.

	Boulder						La Sal						Zion						Conservation		STATE TOTALS
	Early		Late		Totals		Early		Late		Totals		Early		Late		Totals		Permits	TOTALS	
	201	202	203	204	205	--	203	204	205	--	203	204	205	--	203	204	205	--			
Hunt Number	201	202	203	204	205	--	203	204	205	--	203	204	205	--	203	204	205	--	--	--	
Permits Sold	90	90	18	18	90	36	18	18	90	36	18	18	90	36	18	18	90	36	5	431	
No Hunts	8	7	3	0	5	3	3	0	5	3	3	0	5	3	3	13	18	0	0	36	
Hunters Afield*	82	84	15	15	85	33	15	15	85	33	15	15	85	33	15	107	192	5	5	396	
Total Hunter-Days	220	299	25	63	214	88	25	63	214	88	25	63	214	88	25	439	653	37	37	1,297	
Average Hunter-Days Afield	2.68	3.56	3.13	3.50	2.52	2.67	1.67	3.50	2.52	2.67	1.67	3.50	2.52	2.67	1.67	4.10	3.40	7.40	7.40	3.28	
Turkeys Bagged	51	35	86	11	54	22	11	11	54	22	11	11	54	22	11	47	101	2	2	211	
Percent Success	62	42	52	61	64	67	73	61	64	67	67	61	64	67	64	44	53	40	40	53	
Turkeys Bagged Per Hunter-Day	0.23	0.12	0.17	0.17	0.25	0.25	0.44	0.17	0.25	0.25	0.25	0.17	0.25	0.25	0.25	0.11	0.15	0.05	0.05	0.16	
Reported Crippling Loss	1	0	1	0	1	1	1	0	1	1	1	0	1	1	1	1	2	2	0	4	
(Loss/100 Bagged)	2	0	1	0	9	5	9	0	2	2	5	0	2	2	2	2	2	0	0	2	
Reported Information																					
Turkeys Observed																					
Gobblers	301	105	41	36	202	77	41	36	202	77	41	36	202	77	41	126	328	8	8	819	
Hens	511	102	61	24	412	85	61	24	412	85	61	24	412	85	61	235	647	30	30	1,375	
Unidentified	130	17	10	9	56	19	10	9	56	19	10	9	56	19	10	45	101	2	2	269	
Total	942	224	112	69	670	181	112	69	670	181	112	69	670	181	112	406	1,076	40	40	2,463	
Number of Hunters																					
Who Saw Turkeys	59	25	9	8	43	17	9	8	43	17	9	8	43	17	9	33	76	2	2	179	
Percent of Hunters	96.72	65.79	81.82	80.00	86	80.91	81.82	80.00	86	80.91	81.82	80.00	86	80.91	81.82	70	78	66.67	66.67	76.71	
Who Saw Turkeys	91.80	60.53	76.17	80.00	84	80.91	81.82	80.00	84	80.91	81.82	80.00	84	80.91	81.82	70	77	66.67	66.67	75.19	
Percent of Hunters	23.68	37.50	30.59	16.67	15.63	33.34	50.00	16.67	15.63	33.34	50.00	16.67	15.63	33.34	50.00	18.18	16.91	0.00	0.00	20.21	
Who Saw Gobblers	55.26	62.50	58.88	66.67	53.13	45.84	25.00	66.67	53.13	45.84	25.00	66.67	53.13	45.84	25.00	63.64	58.39	100.00	100.00	65.78	
Blunt Spur (% of Harvest)	21.05	0.00	10.53	16.67	28.13	20.84	25.00	16.67	28.13	20.84	25.00	16.67	28.13	20.84	25.00	18.18	23.16	0.00	0.00	13.63	
Rounded Spur (% of Harvest)	18.42	6.25	12.34	16.67	6.25	14.59	12.50	16.67	6.25	14.59	12.50	16.67	6.25	14.59	12.50	0.00	3.13	0.00	0.00	7.51	
Sharp Spur (% of Harvest)	21.05	43.75	32.40	16.67	31.25	27.09	37.50	16.67	31.25	27.09	37.50	16.67	31.25	27.09	37.50	45.45	38.35	100.00	100.00	49.46	
Beard Length	60.53	43.75	52.14	83.33	59.38	66.67	50.00	83.33	59.38	66.67	50.00	83.33	59.38	66.67	50.00	54.55	56.97	0.00	0.00	43.94	
0" - <4" (% of Harvest)	*Landowner harvest and observation data is also included.																				
4" - 7" (% of Harvest)																					
>7" (% of Harvest)																					

*Landowner harvest and observation data is also included.

Statewide summary of spring Merriam's Wild Turkey harvest statistics, 1968-2000.

Year	Hunters Afield	Total Harvest	Hunter-Days Afield	Percent Success*	Turkeys Per Hunter-Day	Percent of Hunters Observing Turkeys	Total Permits**
1968	290	31	738	11	0.04	41	310
1969	267	13	612	5	0.02	22	276
1970	--	--		No Season		--	--
1971	215	26	576	11	0.04	38	223
1972	269	35	751	12	0.05	39	285
1973	135	0	311	0	0.00	10	150
1974	112	6	289	5	0.02	22	121
1975	97	5	219	5	0.03	29	103
1976	74	6	185	8	0.03	32	81
1977	99	12	248	12	0.05	39	108
1978	101	9	246	10	0.04	42	116
1979	90	1	237	1	0.01	8	113
1980	35	0	84	0	0.00	17	40
1981	60	14	129	23	0.11	53	83
1982	80	12	184	16	0.07	62	91
1983	69	14	161	21	0.09	55	92
1984	169	43	482	25	0.09	72	190
1985	270	41	747	15	0.06	52	314
1986	335	43	1,054	13	0.04	57	362
1987	347	60	1,150	17	0.05	57	384
1988	421	66	1,267	16	0.05	50	490
1989	477	59	1,568	12	0.04	55	527
1990	531	52	1,812	10	0.03	51	579
1991	532	59	1,792	11	0.03	49	587
1992	484	53	1,599	11	0.03	45	538
1993	466	74	1,508	16	0.05	54	500
1994***	285	57	1,112	20	0.05	--	335
1995	287	65	1,386	23	0.05	40	335
1996	320	84	1,151	26	0.07	78	355
1997	339	81	1,208	24	0.07	87	362
1998	309	95	1,218	31	0.08	18	358
1999	327	111	1,188	34	0.09	84	355
2000	396	211	1,297	53	0.16	77	431
Totals							
(1968-2000)	8,288	1,438	26,509	--	--	--	9,194
Averages							
(1968-1999)	255	40	813	14	0.05	45	283
% Change From							
Previous Year	21	90	9	56	78	-8	21
% Change From							
Average	56	433	59	270	235	70	52

*Based on the number of hunters bagging one or more turkeys.

**Total permits were sold on a statewide basis and not by unit, 1968-93. In 1994, permits were sold by unit.

***Beginning in 1994, a limited entry turkey hunting program was initiated.

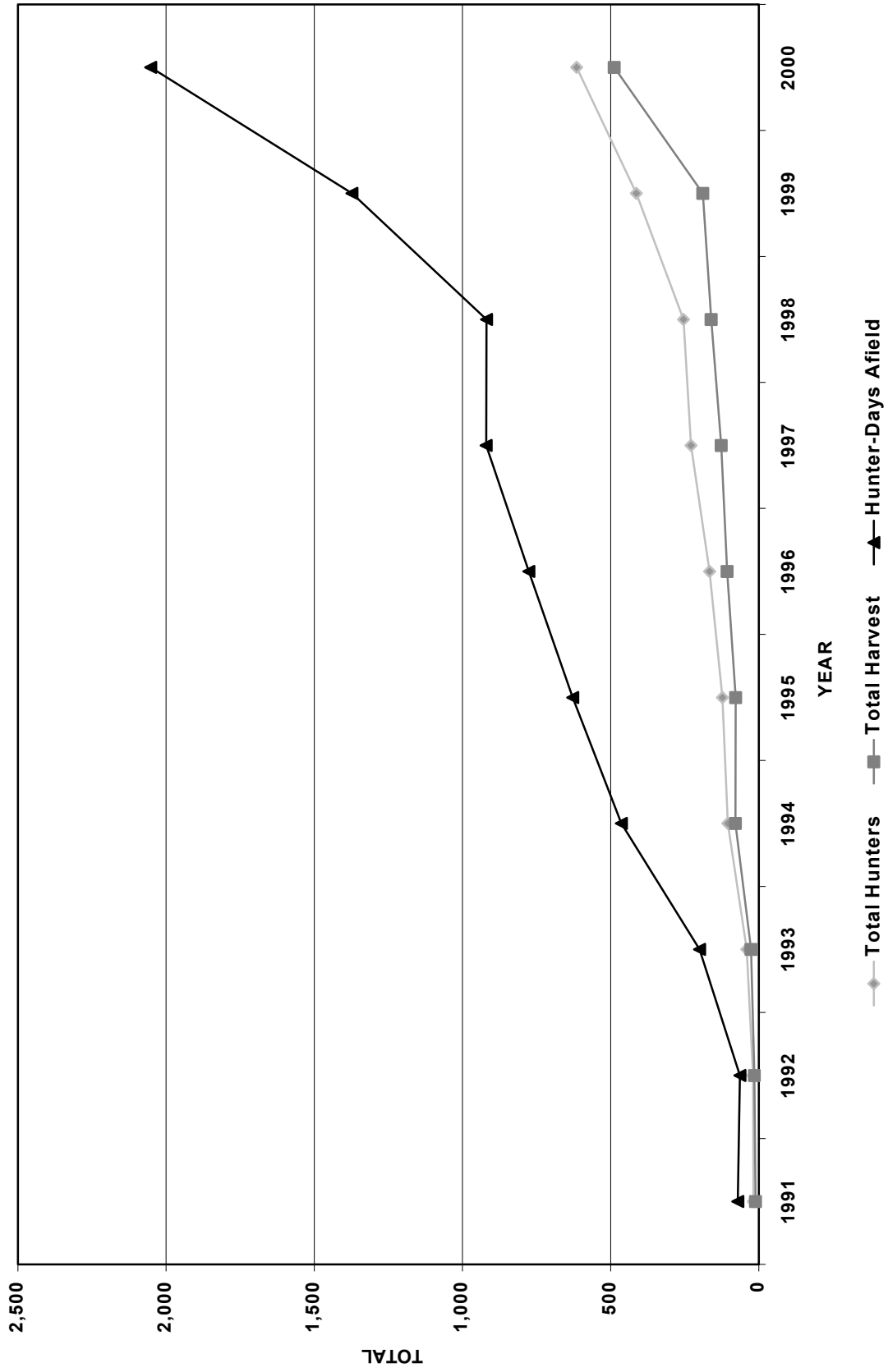
Statewide summary of fall Merriam's Wild Turkey harvest statistics, 1964-2000.

Year	Permits		Hunters		Hunter-Days		Turkeys Bagged		Percent Success*	Turkeys per Hunter-Day		Crippling Loss/100 Bagged	Turkeys Observed		Percent of Hunters Observing Turkeys
	Sold	Afield	Afield	Afield	Afield	Turkeys Bagged	Turkeys Bagged	Turkeys per Hunter-Day		Turkeys per Hunter-Day	Observed		Observed		
1964	229	211	362	81	38	0.22	15	1,158	60						
1965	214	207	406	50	24	0.12	8	730	29						
1966	192	187	471	43	23	0.09	7	756	36						
1967	146	135	405	40	30	0.1	16	748	48						
1968	368	344	883	183	38	0.21	15	2,321	54						
1969	223	210	549	36	11	0.06	19	466	17						
1970	197	174	418	58	24	0.14	6	564	31						
1971	184	174	444	60	21	0.14	8	451	28						
1972	124	118	303	12	7	0.04	10	173	21						
1973	--	--	--	--	No Season	--	--	--	--						
1974	29	26	79	3	12	0.04	33	83	38						
1975	58	46	115	7	15	0.06	0	57	26						
1976	68	56	136	15	27	0.11	7	182	32						
1977	60	53	133	7	15	0.06	0	48	18						
1978**	102	88	223	7	9	0.03	33	335	38						
1979	46	36	71	3	9	0.05	0	61	19						
1980	43	35	69	11	32	0.16	38	127	44						
1981	63	55	114	12	22	0.11	56	141	32						
1982	56	50	136	11	23	0.08	10	185	47						
1983	61	49	112	15	28	0.13	0	303	49						
1984	97	86	193	28	32	0.14	14	380	49						
1985**	--	--	--	--	--	--	--	--	--						
1986	--	--	--	--	--	--	--	--	--						
1987	--	--	--	--	--	--	--	--	--						
1988	--	--	--	--	--	--	--	--	--						
1989	--	--	--	--	--	--	--	--	--						
1990	--	--	--	--	--	--	--	--	--						
1991	--	--	--	--	--	--	--	--	--						
1992	--	--	--	--	--	--	--	--	--						
1993	--	--	--	--	--	--	--	--	--						
1994	--	--	--	--	--	--	--	--	--						
1995	--	--	--	--	--	--	--	--	--						
1996	--	--	--	--	--	--	--	--	--						
1997	--	--	--	--	--	--	--	--	--						
1998	--	--	--	--	--	--	--	--	--						
1999	--	--	--	--	--	--	--	--	--						
2000	--	--	--	--	--	--	--	--	--						
Totals (1964-1984)	2,560	2,340	5,622	682	--	--	--	9,269	--						
Averages (1964-1984)	128	117	281	34	22	0.10	15	463	36						

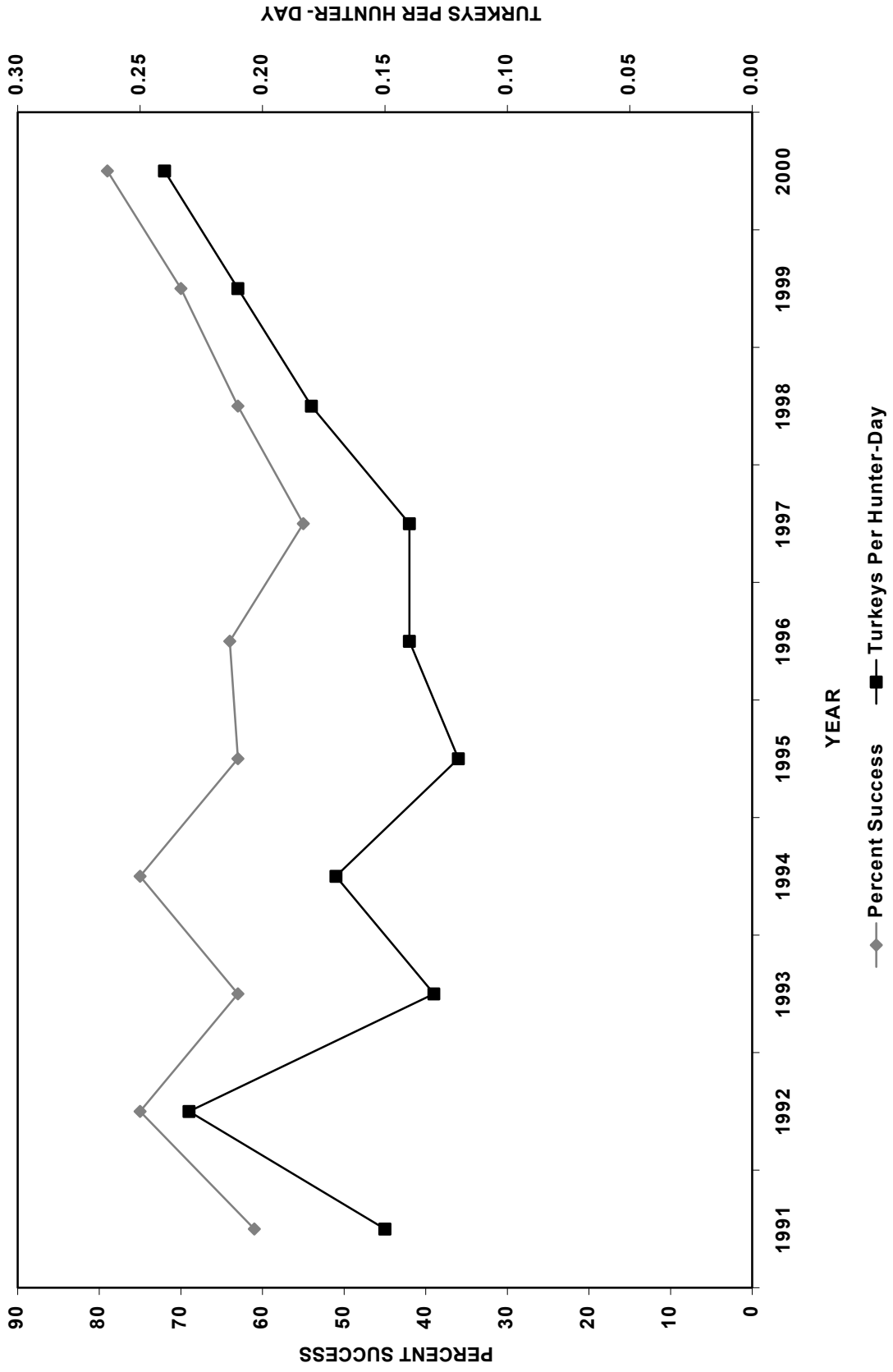
*During 1968, the Boulder Mountain and East Zion units had two-bird season limits and the LaSal Mountains a one-bird limit; from 1969 through 1972, all areas had a two-bird limit. Hunter success was based on the number of successful hunters rather than total turkeys bagged.

**No fall season since 1985.

Statewide trends of spring Rio Grande Wild Turkey harvest statistics, 1991-2000.



Statewide trends of spring Rio Grande Wild Turkey hunter success rates, 1991-2000.



Summary of spring Rio Grande Wild Turkey, 2000.

	Beaver						Colorado River			Fillmore,		Fillmore, Pahvant		
	A		B		C		Totals			Oak Creek		Totals		
	A	B	A	B	A	B	C	A	B	C	A	B	C	Totals
Hunt Number	101	102	103	104	105	106	107	108	111	112	113	114	114	36
Permits Sold	24	24	24	12	4	11	11	11	6	12	12	12	12	36
No Hunts	0	0	3	0	0	1	2	0	0	0	0	0	0	0
Hunters Afield*	24	24	21	12	4	10	9	11	6	12	12	12	12	36
Hunter-Days	57	88	93	63	24	17	22	31	26	21	35	17	73	73
Turkeys Bagged	23	17	16	9	4	10	9	9	6	12	12	10	34	34
Percent Success	96	71	76	75	100	100	100	82	100	100	100	100	83	94
Turkeys Bagged Per Hunter-Day	0.40	0.19	0.17	0.14	0.17	0.59	0.41	0.29	0.23	0.57	0.34	0.59	0.47	0.47
Reported Crippling Loss	1	1	0	0	0	1	0	0	0	0	0	0	1	1
(Loss/100 Bagged)	4	6	0	0	0	10	0	0	0	0	0	0	10	3

Reported Information

Turkeys Observed	93	131	65	289	75	42	75	36	135	246	68	149	147	80	376
Gobblers	229	272	27	528	47	107	136	78	370	584	210	231	288	93	612
Hens	111	32	3	146	12	52	7	44	212	263	0	101	48	36	185
Unidentified	433	435	95	963	134	201	218	158	717	1093	278	481	483	209	1173
Total	16	17	7	40	7	4	7	4	5	16	4	9	11	7	27
Number of Hunters	100	85	88	91	88	100	100	80	100	93	100	100	100	100	100
Who Saw Turkeys	94	80	88	87	88	100	100	80	100	93	100	89	100	86	92
Percent of Hunters	27	14	33	25	0	0	29	8	0	12	0	11	9	0	7
Blunt Spur (% of Harvest)	53	50	67	57	17	25	43	25	100	56	75	56	45	83	61
Rounded Spur (% of Harvest)	20	36	0	19	83	50	14	8	0	8	25	33	45	17	32
Sharp Spur (% of Harvest)	Beard Length														
0" - <4" (% of Harvest)	33	0	17	17	0	0	14	0	0	5	0	0	0	0	0
4" - 7" (% of Harvest)	27	50	33	37	17	0	0	17	25	14	0	33	36	33	34
>7" (% of Harvest)	40	50	33	41	83	100	86	25	75	62	100	56	55	67	59

*Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey, 2000 (continued).

Hunt Number	Green River						Monroe			Morgan-		Ogden (North)		Ogden (South)	
	A	B	C	Totals	Juab	Mountain	South Rich**	South Rich***	120	121	122	123	124	124	Totals
	115	116	117		118	119	120	121	120	121	122	123	124	124	
Permits Sold	6	6	6	18	12	6	6	18	6	18	12	24	18	42	
No Hunts	0	2	0	2	0	0	0	0	0	0	1	1	0	1	
Hunters Afield*	6	4	6	16	12	6	6	18	6	18	11	23	18	41	
Hunter-Days	17	10	9	36	54	28	18	36	18	36	63	77	61	138	
Turkeys Bagged	5	2	6	13	8	6	0	14	0	14	7	17	14	31	
Percent Success	83	50	100	81	67	100	0	78	0	78	64	74	78	76	
Turkeys Bagged Per Hunter-Day	0.29	0.20	0.67	0.36	0.15	0.21	0.00	0.39	0.00	0.11	0.11	0.22	0.23	0.22	
Reported Crippling Loss	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
(Loss/100 Bagged)	0	0	0	0	0	0	0	0	0	0	0	6	0	3	

Reported Information

Turkeys Observed	29	18	11	58	78	6	1	18	1	26	194	190	384
Gobblers	65	20	24	109	96	8	0	31	0	51	259	88	347
Hens	20	5	4	29	25	0	0	0	0	2	93	4	97
Unidentified	114	43	39	196	199	14	1	49	1	79	546	282	828
Total	4	1	2	7	7	3	1	5	1	6	19	9	28
Number of Hunters	100	50	100	83	88	100	100	100	100	75	90	90	90
Who Saw Turkeys	100	100	100	100	88	100	100	100	100	88	100	90	95
Percent of Hunters	0	0	0	0	0	0	0	0	0	20	6	13	9
Who Saw Gobblers	33	100	0	44	0	33	0	50	0	20	69	25	47
Blunt Spur (% of Harvest)	67	0	100	56	80	67	0	50	0	60	25	50	38
Rounded Spur (% of Harvest)	0	100	0	33	0	0	0	0	0	20	13	13	13
Sharp Spur (% of Harvest)	33	0	0	11	0	67	0	50	0	20	25	0	13
Beard Length	67	0	100	56	100	33	0	50	0	60	56	88	72
0" - <4" (% of Harvest)	0	100	0	33	0	0	0	0	0	20	13	13	13
4" - 7" (% of Harvest)	33	0	0	11	0	67	0	50	0	20	25	0	13
>7" (% of Harvest)	67	0	100	56	100	33	0	50	0	60	56	88	72

*Landowner harvest and observation data is also included.

**Morgan and Summit counties

***Morgan, Rich, and Weber counties

Summary of spring Rio Grande Wild Turkey, 2000 (continued).

Hunt Number	Ogden,												Pine Valley			San Juan			South			Uintah County				
	Middle Fork		Paunsaugunt		A		B		C		Totals		Early		Late		Totals		Book Cliffs		Early		Late		Totals	
	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
Permits Sold	5	10	30	30	30	36	36	36	36	90	36	36	72	4	10	10	20									
No Hunts	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0									
Hunters Afield*	5	10	30	30	28	36	36	36	36	88	36	36	72	4	10	10	20									
Hunter-Days	35	44	87	116	133	336	71	66	68	137	71	66	137	12	37	21	58									
Turkeys Bagged	0	7	26	24	16	66	35	35	35	70	97	97	97	100	60	90	75									
Percent Success	0	0.16	0.30	0.21	0.12	0.20	0.49	0.53	0.51	0.51	0.49	0.53	0.51	0.33	0.16	0.43	0.26									
Turkeys Bagged Per Hunter-Day	0.00	0.16	0.30	0.21	0.12	0.20	0.49	0.53	0.51	0.51	0.49	0.53	0.51	0.33	0.16	0.43	0.26									
Reported Crippling Loss	0	0	0	2	1	3	0	0	0	3	0	0	0	0	1	0	1									
(Loss/100 Bagged)	0	0	0	8	6	5	0	0	0	5	0	0	0	0	17	0	7									

Reported Information

Turkeys Observed	3	41	193	198	93	484	285	573	858	8	71	79	150
Gobblers	4	89	334	228	94	656	452	234	686	12	107	41	148
Hens	1	12	28	30	28	86	95	140	235	3	6	7	13
Unidentified	8	142	555	456	215	1226	832	947	1779	23	184	127	311
Total													
Number of Hunters	2	7	23	22	17	62	24	30	54	2	7	8	15
Who Saw Turkeys	100	100	100	100	94	98	100	97	98	100	100	100	100
Percent of Hunters													
Who Saw Gobblers	100	100	100	100	100	100	100	100	100	100	100	100	100
Percent of Hunters													
Who Saw Turkeys	0	20	10	22	0	11	4	13	9	50	25	0	13
Blunt Spur (% of Harvest)	0	20	65	28	50	48	74	53	64	50	50	71	61
Rounded Spur (% of Harvest)	0	60	25	44	40	36	22	30	26	0	25	29	27
Sharp Spur (% of Harvest)													
Beard Length													
0" - <4" (% of Harvest)	0	0	10	11	0	7	0	13	7	50	25	0	13
4" - 7" (% of Harvest)	0	40	40	33	30	34	17	20	19	50	50	14	32
>7" (% of Harvest)	0	60	50	50	70	57	83	67	75	0	25	86	55

*Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey, 2000 (continued).

	Utah County North			Utah County South			Wasatch County		West Emery County		Conservation Permits	STATE TOTALS
	A	B	C	Totals	A	B	C	Totals	County	County		
	135	136	137		138	139	140		141	142		
Hunt Number	30	24	24	78	12	12	12	36	12	5	22	626
Permits Sold	1	0	0	1	0	0	0	0	1	0	2	16
No Hunts	29	24	24	77	12	12	12	36	11	5	20	610
Hunters Afield*	100	92	63	255	41	50	43	134	33	53	88	2017
Hunter-Days	19	15	13	47	12	7	12	31	9	4	19	488
Turkeys Bagged	66	63	54	61	100	58	100	86	82	80	95	80
Percent Success	0.19	0.16	0.21	0.18	0.29	0.14	0.28	0.23	0.27	0.08	0.22	0.24
Turkeys Bagged Per Hunter-Day	1	0	0	1	1	0	0	1	0	3	0	14
Reported Crippling Loss (Loss/100 Bagged)	5	0	0	2	8	0	0	3	0	75	0	3

Reported Information

Turkeys Observed	167	78	39	284	66	35	19	120	37	48	231	3928
Gobblers	280	95	110	485	78	38	2	118	69	82	281	5356
Hens	43	4	62	109	25	1	1	27	16	32	152	1496
Unidentified	490	177	211	878	169	74	22	265	122	162	664	10780
Total												
Number of Hunters	17	11	10	38	10	5	5	20	6	5	13	377
Who Saw Turkeys												
Percent of Hunters	85	100	91	92	100	100	100	100	86	100	100	62
Who Saw Turkeys												
Percent of Hunters	90	100	82	91	100	100	100	100	100	100	100	97
Who Saw Gobblers												
Blunt Spur (% of Harvest)	0	14	17	10	0	0	0	0	0	0	0	8
Rounded Spur (% of Harvest)	62	14	50	42	50	33	80	54	50	0	58	39
Sharp Spur (% of Harvest)	38	71	33	48	50	67	20	46	50	100	33	42
Beard Length												
0" - <4" (% of Harvest)	8	0	50	19	0	0	0	0	0	0	0	8
4" - 7" (% of Harvest)	0	14	17	10	20	0	0	7	0	0	17	19
>7" (% of Harvest)	85	86	33	68	80	100	100	93	100	100	83	64

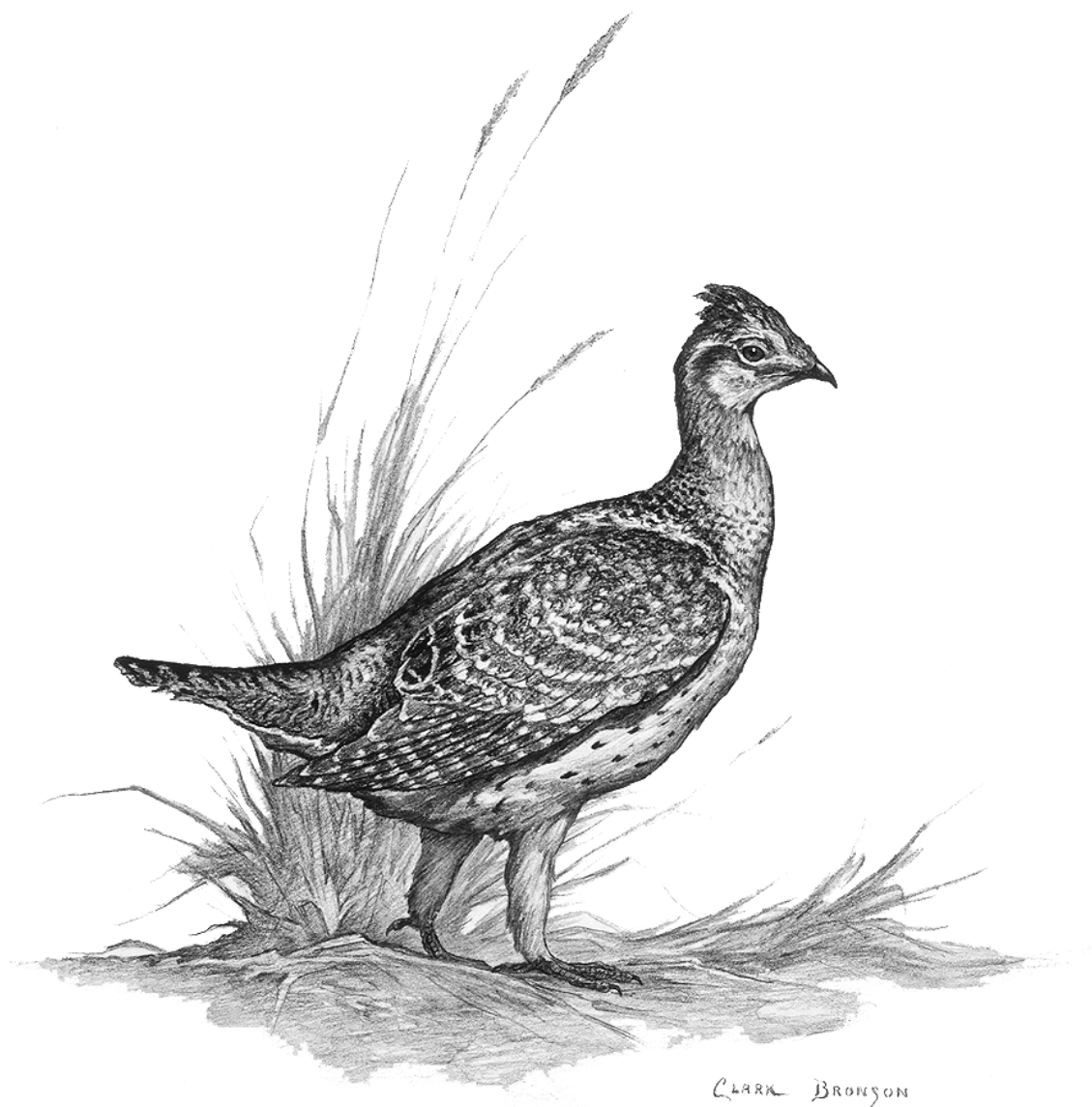
*Landowner harvest and observation data is also included.

Statewide summary of spring Rio Grande Wild Turkey harvest statistics, 1991-2000.

Year	Hunters Afield*	Total Harvest	Hunter-Days Afield	Percent Success*	Turkeys Per Hunter-Day	Percent of Hunters Observing Turkeys	Total Permits*
1991	18	11	71	61	0.15	--	20
1992	20	15	64	75	0.23	--	21
1993	41	26	200	63	0.13	--	42
1994	105	79	464	75	0.17	--	105
1995	123	78	628	63	0.12	--	135
1996	166	107	776	64	0.14	88	174
1997	229	127	920	55	0.14	82	240
1998	254	161	919	63	0.18	57	263
1999	413	189	1,373	70	0.21	90	398
2000	615	488	2,052	79	0.24	62	631
Totals							
(1991-2000)	1,984	1,281	7,467	--	--	--	2,029
Averages							
(1991-1999)	152	88	602	65	0.16	79	155
% Change From Previous Year	49	158	49	13	14	-31	59
% Change From Average	304	454	241	21	47	-22	306

* Includes limited entry, conservation and landowner permittees.

SHARP-TAILED GROUSE



Lek Counts of Columbian Sharp-tailed Grouse, 1979-2000.

Dancing Ground	Maximum Cocks Counted																				Average		
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		1999	2000
BOX ELDER COUNTY																							
West Hills Complex	15	4	12	0	14	0	18	46	40	33	40	75	53	55	5	6	0	5	0	57	34	24	
North White's Valley #1	0		6			2		18	11	9	9	8	14	5	2	8	8	4	12	3	7		
North White's Valley #2												10	32	3	7	18	5	22	24	2	14		
South Whites Valley (Hunsakers)	3					2	0	6	7	3	3	13	3	13	4	2	2	1	4	20	6		
Pocatello Valley Complex	7	7	19	19	14	5	9	20	20	19	16	11	4		2	0			8	11	11		
Blue Creek												6	5						5	5	5		
Wellsville												8	8	3	2	0				0	4		
Snowville												8									8		
Nucor #1																			12	19		16	
Nucor #2													11	6					27	5	12		
Golden Spike #1																			15	16	0	10	
Golden Spike #2																			14	35	16	22	
Golden Spike #3																			12	0	6		
Golden Spike #4																			17	20		19	
Sunset Pass													8	2						0	3		
North Hansel Mountain #1																			18	21	33	24	
North Hansel Mountain #2																			20		0	10	
North Hansel Mountain #3																			13	28	19	20	
North Hansel Mountain #4																			9	5	12	9	
North Hansel Mountain #5																			8		4	6	
Middle Canyon #1												9	14	2	6	11	19	15	33	67	33	21	
Middle Canyon #2																			13	18	0	10	
Middle Canyon #3																			22	20	7	16	
Middle Canyon #4																			9	12	8	10	
Middle Canyon #5																			33	48	17	33	
North Promontory #1																			11	11	0	7	
North Promontory #2																			8	1	9	6	
North Promontory #3																			32	18	9	20	
North Promontory #4																			19	16	39	25	
North Promontory #5																			26	16	39	27	
North Promontory #6																			18	4	5	9	
Blue Springs Hills #1																			6	0	3		
Blue Springs Hills #2																			12	0	6		

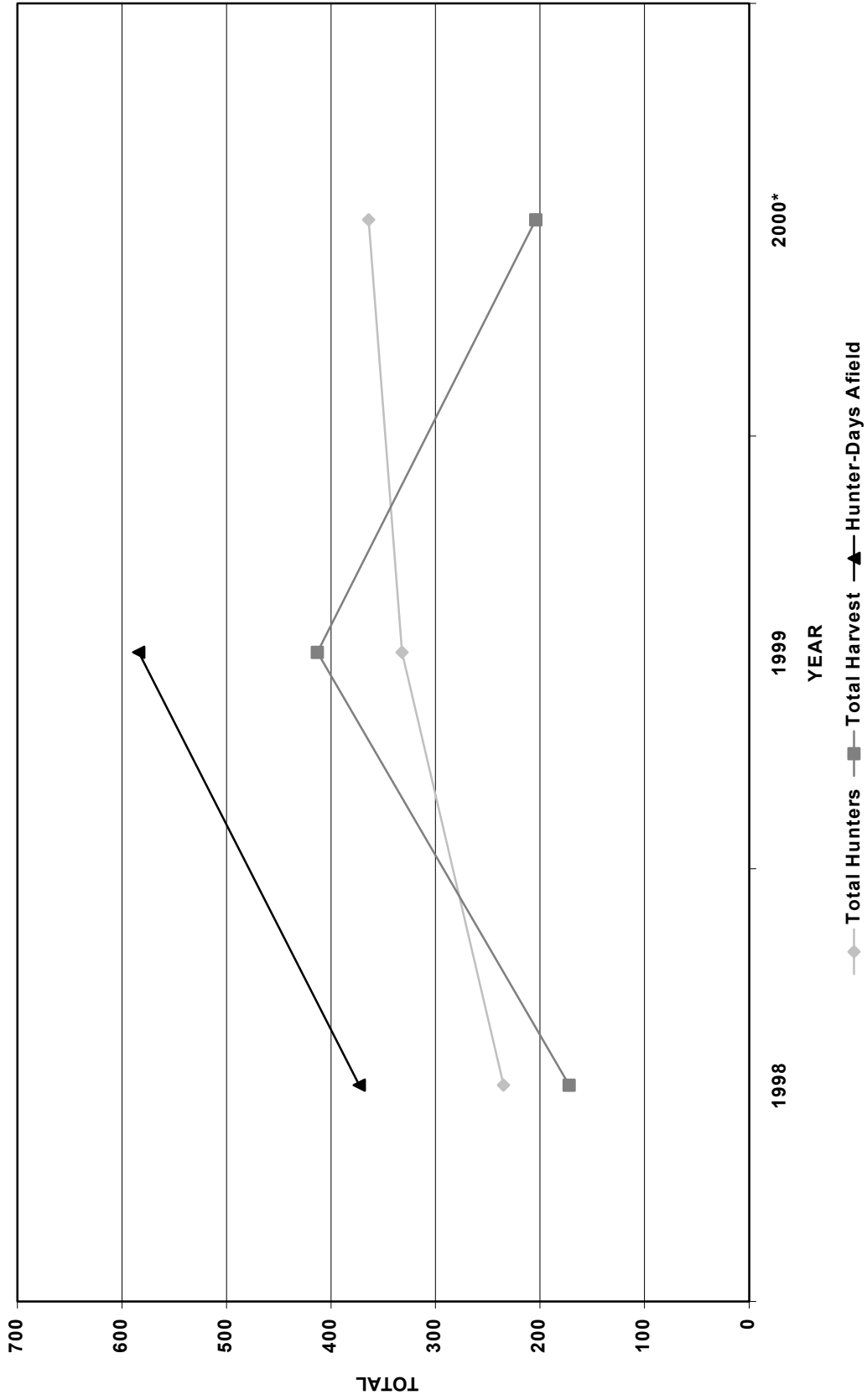
Lek Counts of Columbian Sharp-tailed Grouse, 1979-2000 (continued).

Dancing Ground Name and Number	Maximum Cocks Counted																				Average			
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		1999	2000	
BOX ELDER COUNTY (continued)																								
Microwave							6	6	7	9	6												0	6
Howell											13	6												10
Short Divide #1																					21	2	12	
Short Divide #2																					8	4	6	
Cedar Hills #1																						10	10	
Cedar Hills #2																						10	10	
CACHE COUNTY																								
Four Mile 1 & 2													A	9	27			13			10	17	15	
Bankhead Well	2	2																0						1
Baxter Ridge		3	5	3														0						3
Cache Historical #1																		0						0
Cache Historical #2																		0						0
Cache Historical #3																		0						0
Cache Historical #4																		0						0
Cache Historical #5																		0						0
Cache Historical #6																		0						0
Cache Historical #7																		0						0
Crow Mountain	13	4	11	3									27	18	9	8		0		0	9	5	9	
High Creek			7									22			13			30		27	27		21	21
Clarkston #1																					9	0	5	
Clarkston #2																					11	0	6	
Clarkston #3													A	A	5	A	12	A	A	A	A	A	13	
Dahle Hollow #1, 1999 or 2000																								A
Dahle Hollow #2, 1999 or 2000																								A
MORGAN COUNTY																								
Cottonwood Complex	28																							28
Bohman Hollow													11					0						6
Deep Creek																								4
WEBER COUNTY																								
Monastery																								3
Total Maximum Birds Counted	71	24	54	31	28	5	31	72	90	77	77	113	227	178	53	60	37	82	42	362	625	416	125.2	
Total Dancing Grounds Counted	8	7	5	5	2	2	4	4	5	5	5	5	16	13	7	10	6	8	5	21	34	41	9.9	
Average Birds Per Dancing Ground	8.9	3.4	10.8	6.2	14.0	2.5	7.8	18.0	18.0	15.4	15.4	22.6	14.2	13.7	7.6	6.0	6.2	10.3	8.4	17.2	18.4	10.1	12.6	

*Assumption: 90% of maximum birds counted are males

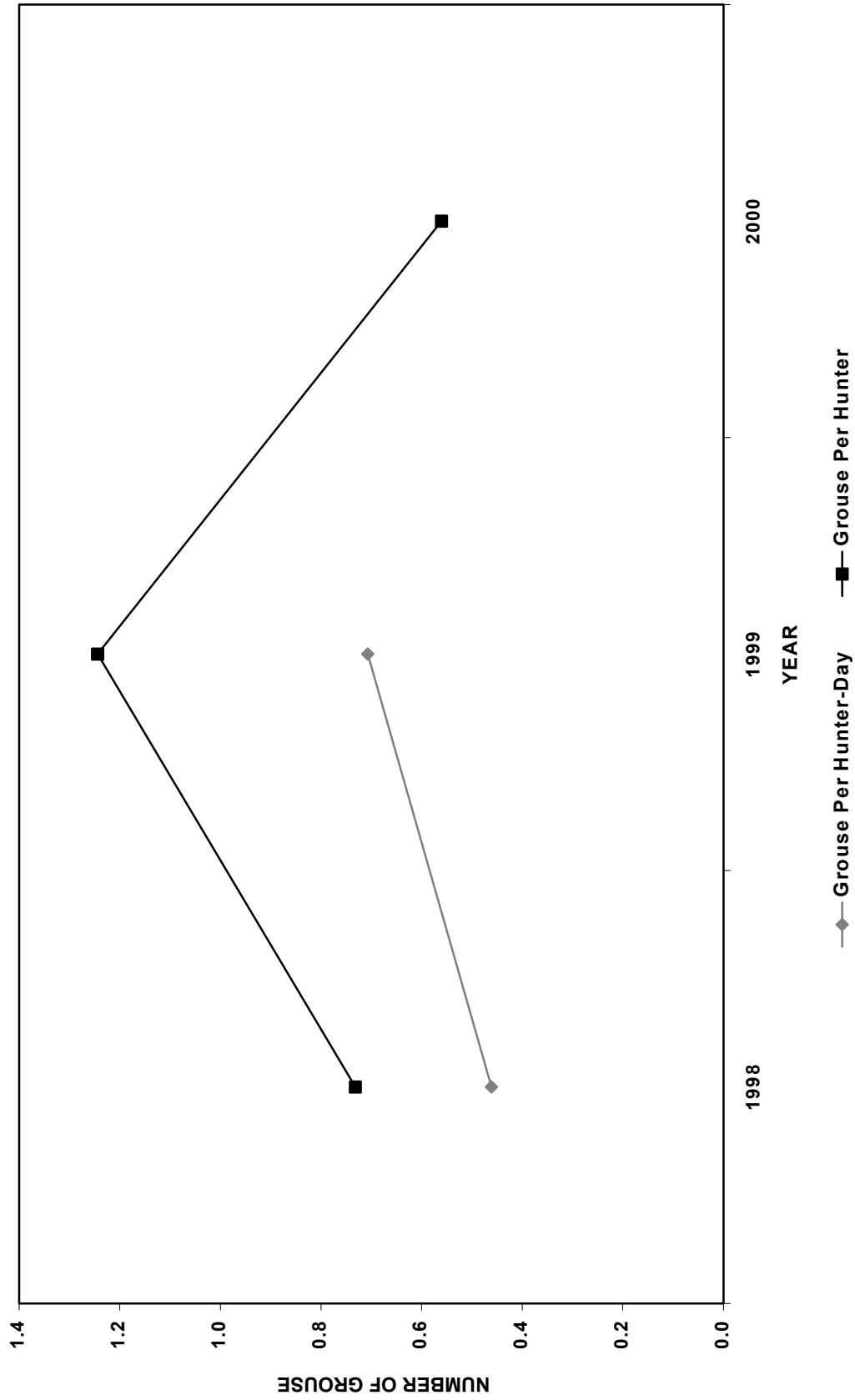
A = Active

Statewide trends of Sharp-tailed Grouse harvest statistics, 1998-2000.



*Hunter-days afield data not collected from all hunters in 2000.

Statewide trends of Sharp-tailed Grouse hunter success rates, 1998-2000.



*Hunter-days afield data not collected from all hunters in 2000.

Sharp-tailed Grouse summer inventory, 2000.

Region and County	Distinct Broods		Mean Brood	Mixed Observ.		Adults w/o Young	Total Adults	Total Young	Total Grouse	Young Per 100 Adults	Vehicle Miles		Hours of Effort		Birds Per 100 Hrs	
	# Adults	Young		Adults	Young						Vehicle Miles	Vehicle	Horse	Walk		Total
Northern Region																
Box Elder	--	15	76	5.07	0	0	22	37	76	113	205	--	--	15.50	729	
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Summit	--	--	--	--	--	--	--	--	--	--	0.00	--	--	--	--	
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	0	15	76	5.07	0	0	22	37	76	113	205	0.00	15.50	0.00	15.50	729
Central Region																
Juab																
Salt Lake																
Sanpete																
Tooele																
Utah																
Wasatch																
REGIONAL TOTALS																
Southern Region																
Beaver																
Garfield																
Iron																
Kane																
Millard																
Piute																
Sevier																
Washington																
Wayne																
REGIONAL TOTALS																
Northeastern Region																
Daggett																
Duchesne																
Uintah																
REGIONAL TOTALS																
Southeastern Region																
Carbon																
Emery																
Grand																
San Juan																
REGIONAL TOTALS																
STATE TOTALS	0	15	76	5.07	0	0	22	37	76	113	205	0	15.50	0	15.50	729

Summary of Sharp-tailed Grouse hunter success and distribution of harvest
and hunting pressure by region and county, 2000.

Region and County	Hunters Afield*	Successful Hunters	Total Harvest	Grouse Per Hunter*
Northern Region				
Box Elder				
Blue Creek	--	20	31	--
Blue Springs	--	0	0	--
Golden Spike	--	2	4	--
Hansel Valley	--	18	29	--
Howell Valley	--	23	38	--
Middle Canyon	--	4	4	--
North Hansel	--	7	14	--
West Hills	--	0	0	--
White's Valley	--	2	4	--
CRP	--	43	43	--
Rangeland	--	27	27	--
Cultivated Crops	--	11	11	--
Cache	--	--	--	--
Davis	--	--	--	--
Morgan	--	--	--	--
Rich	--	--	--	--
Summit	--	--	--	--
Weber	--	--	--	--
REGIONAL TOTALS	364	157	205	0.56
Central Region				
Juab	--	--	--	--
Salt Lake	--	--	--	--
Sanpete	--	--	--	--
Tooele	--	--	--	--
Utah	--	--	--	--
Wasatch	--	--	--	--
REGIONAL TOTALS	--	--	--	--
Southern Region				
Beaver	--	--	--	--
Garfield	--	--	--	--
Iron	--	--	--	--
Kane	--	--	--	--
Millard	--	--	--	--
Piute	--	--	--	--
Sevier	--	--	--	--
Washington	--	--	--	--
Wayne	--	--	--	--
REGIONAL TOTALS	--	--	--	--
Northeastern Region				
Daggett	--	--	--	--
Duchesne	--	--	--	--
Uintah	--	--	--	--
REGIONAL TOTALS	--	--	--	--
Southeastern Region				
Carbon	--	--	--	--
Emery	--	--	--	--
Grand	--	--	--	--
San Juan	--	--	--	--
REGIONAL TOTALS	--	--	--	--
STATE TOTALS	364	157	205	0.56

*Hunt region data was not collected from unsuccessful hunters.

Projection Factor = 1.80163

663 Permits Sold

368 Respondents

56% Questionnaire Return Rate

Statewide summary of Sharp-tailed Grouse harvest statistics, 1998-2000

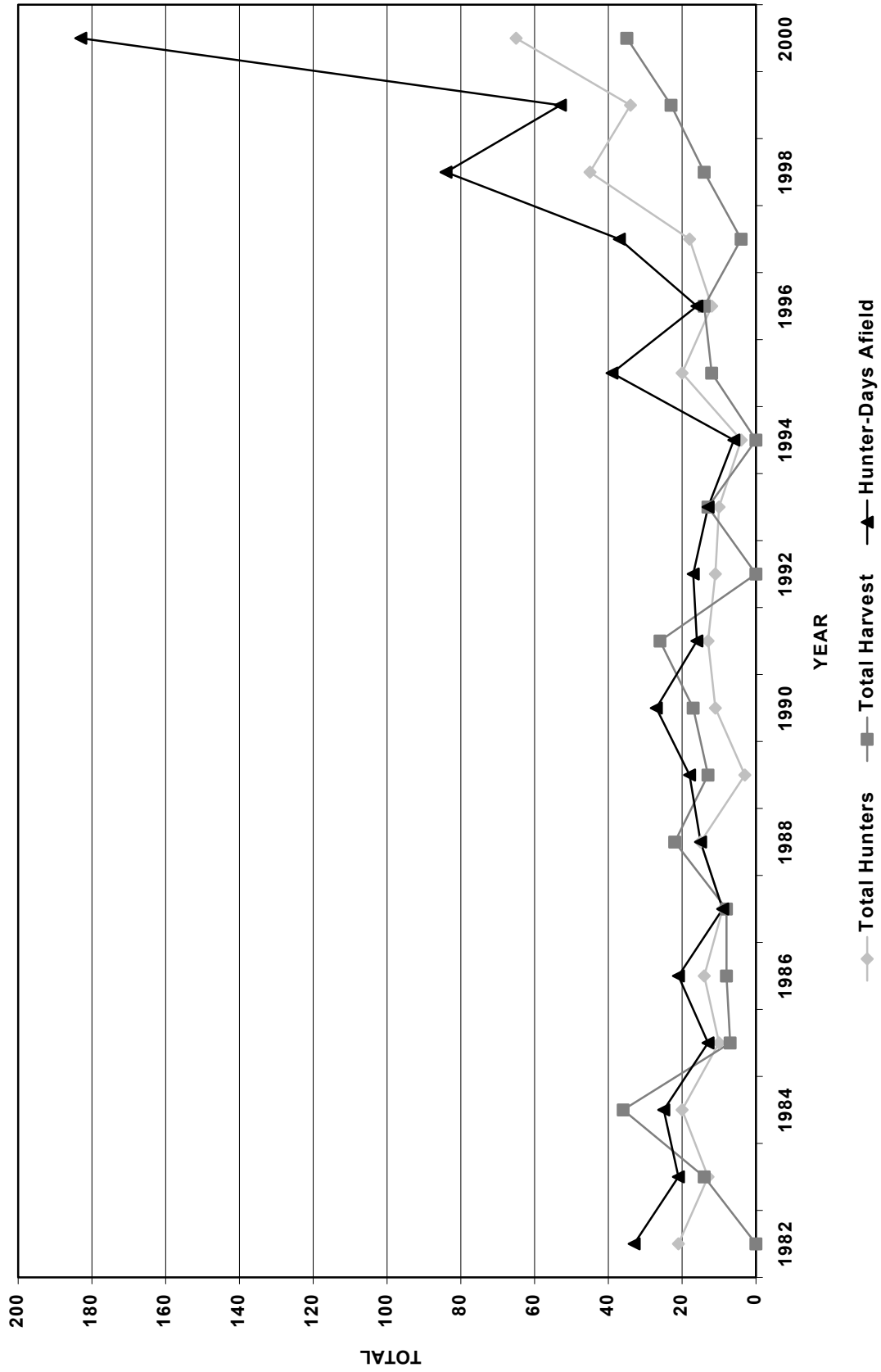
Year	Permits Sold		Hunters Afield		Hunter-Days Afield		Total Harvest	Grouse Per Hunter	Grouse Per Hunter-Day	Grouse Per 100 Bagged	Crippling Loss	Grouse Observed		Percent Hunters Observing Grouse	
1998	378	235	373	172	0.73	0.46	13	3,549	93.71						
1999	381	332	584	413	1.24	0.71	15	6,597	98.78						
2000*	663	364	--	204	0.56	--	--	--	--						
Totals															
(1998-2000)	1422	931	957	789	--	--	--	10,146	--						
Averages															
(1998-1999)	380	284	479	293	0.99	0.58	14	5,073	96.25						
% Change From Previous Year	74	10	--	-51	-55	--	--	--	--						
% Change From Average	75	28	--	-30	-43	--	--	--	--						

*Hunter-days afield, crippling loss, and grouse observed data not collected from all hunters in 2000.

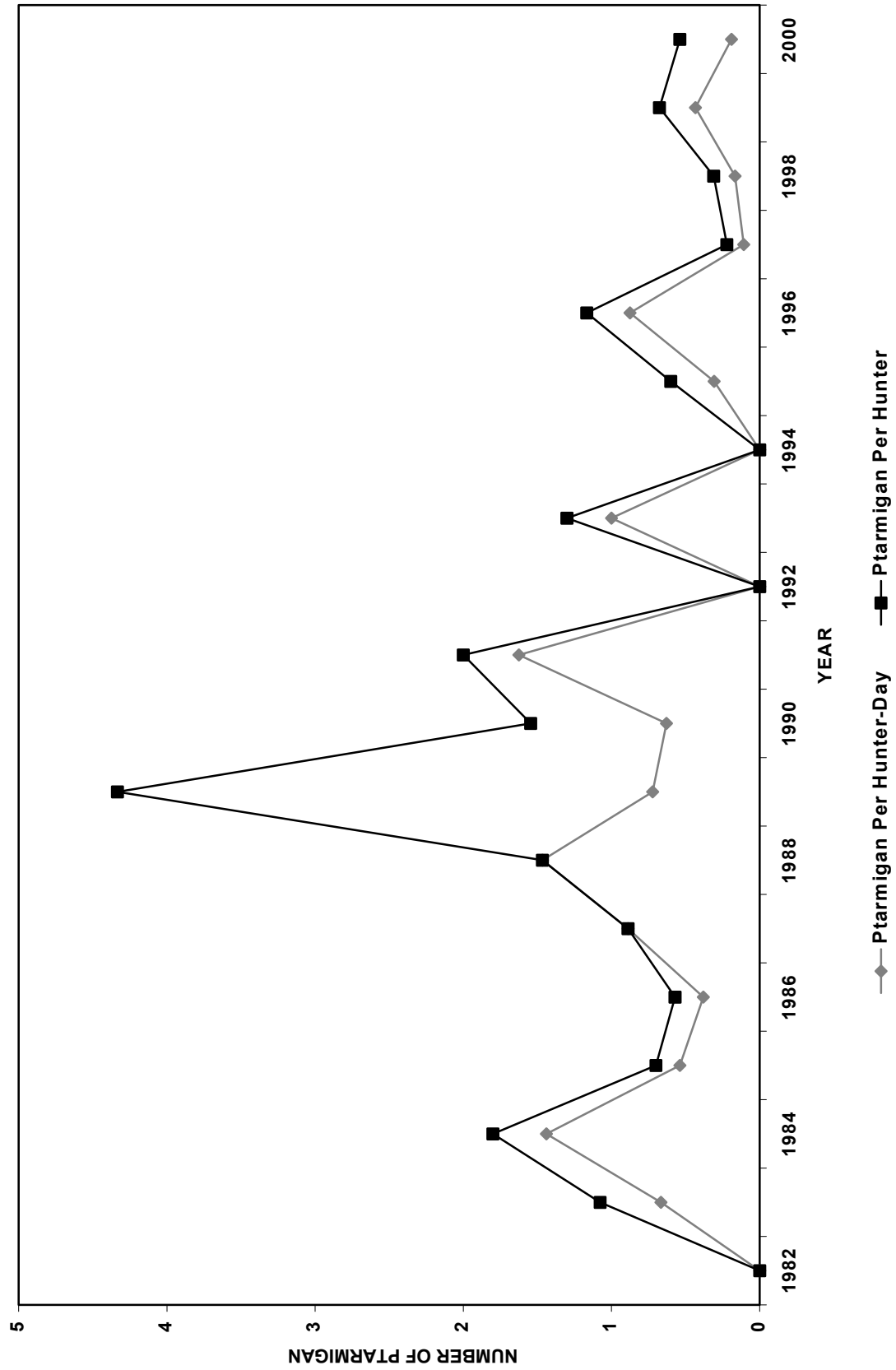
WHITE-TAILED PTARMIGAN



Statewide trends of White-tailed Ptarmigan harvest statistics, 1982-2000.



Statewide trends of White-tailed Ptarmigan hunter success rates, 1982-2000.



Statewide summary of White-tailed Ptarmigan harvest statistics, 1982-2000.

Year	Hunters		Total Harvest	Hunter-Days		Ptarmigan Per Hunter	Ptarmigan Per Hunter-Day	Ptarmigan Observed	Percent Hunters Observing Ptarmigan
	Afield			Afield					
1982	21		0	33	0.00	0.00	0	0	
1983	13		14	21	1.08	0.67	25	30	
1984	20		36	25	1.80	1.44	--	--	
1985	10		7	13	0.70	0.54	9	14	
1986	14		8	21	0.57	0.38	8	22	
1987	9		8	9	0.89	0.89	--	--	
1988	15		22	15	1.47	1.47	59	--	
1989	3		13	18	4.33	0.72	35	--	
1990	11		17	27	1.55	0.63	28	35	
1991	13		26	16	2.00	1.63	95	50	
1992	11		0	17	0.00	0.00	56	36	
1993	10		13	13	1.30	1.00	140	38	
1994	4		0	6	0.00	0.00	3	100	
1995	20		12	39	0.60	0.31	31	11	
1996	12		14	16	1.17	0.88	106	29	
1997	18		4	37	0.22	0.11	17	--	
1998	45		14	84	0.31	0.17	14	--	
1999	34		23	53	0.68	0.43	56	24	
2000	65		35	183	0.54	0.19	115	23	
Totals									
(1982-2000)	348		266	646	--	--	797	--	
Averages									
(1982-1999)	16		13	26	1.04	0.62	43	32	
% Change From Previous Year	91		52	245	-20	-56	105	-4	
% Change From Average	313		173	611	-48	-69	170	-29	

2000 Sample Size

Projection Factor = 2.950704

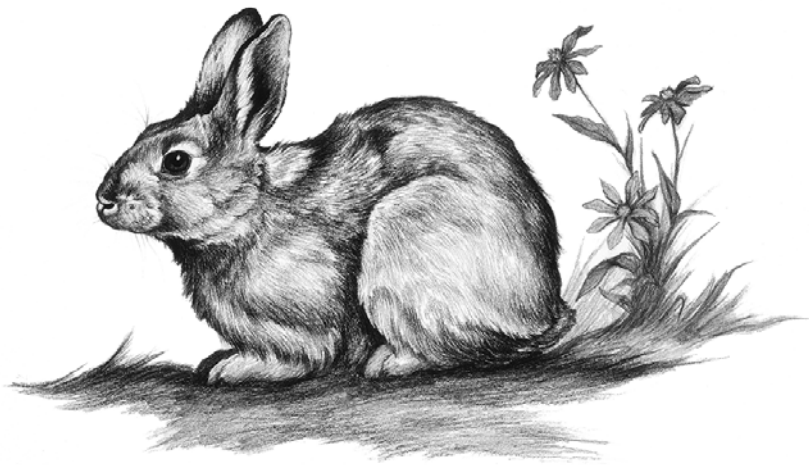
419 Permits Sold (Permits required, but at no charge. A handling fee of \$2.00 per permit was charged between 1988-1994)

142 Respondents

34% Questionnaire Return Rate

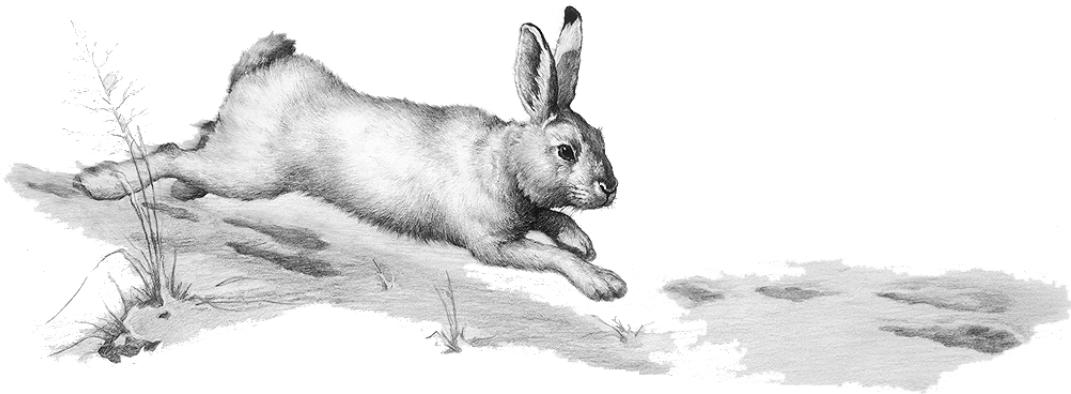
RABBITS AND HARES

Cottontail Rabbit



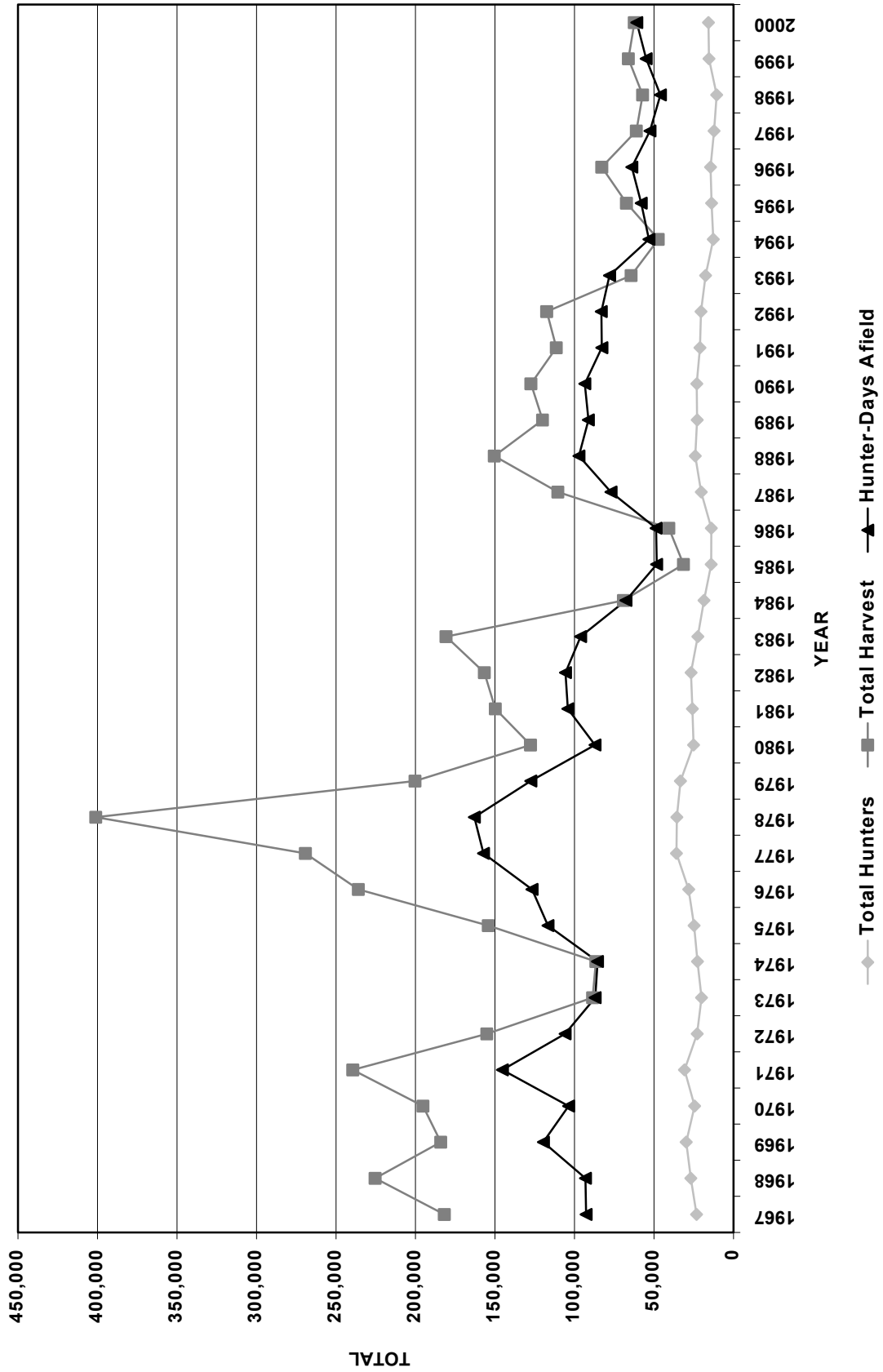
CLARK BRONSON

Snowshoe Hare

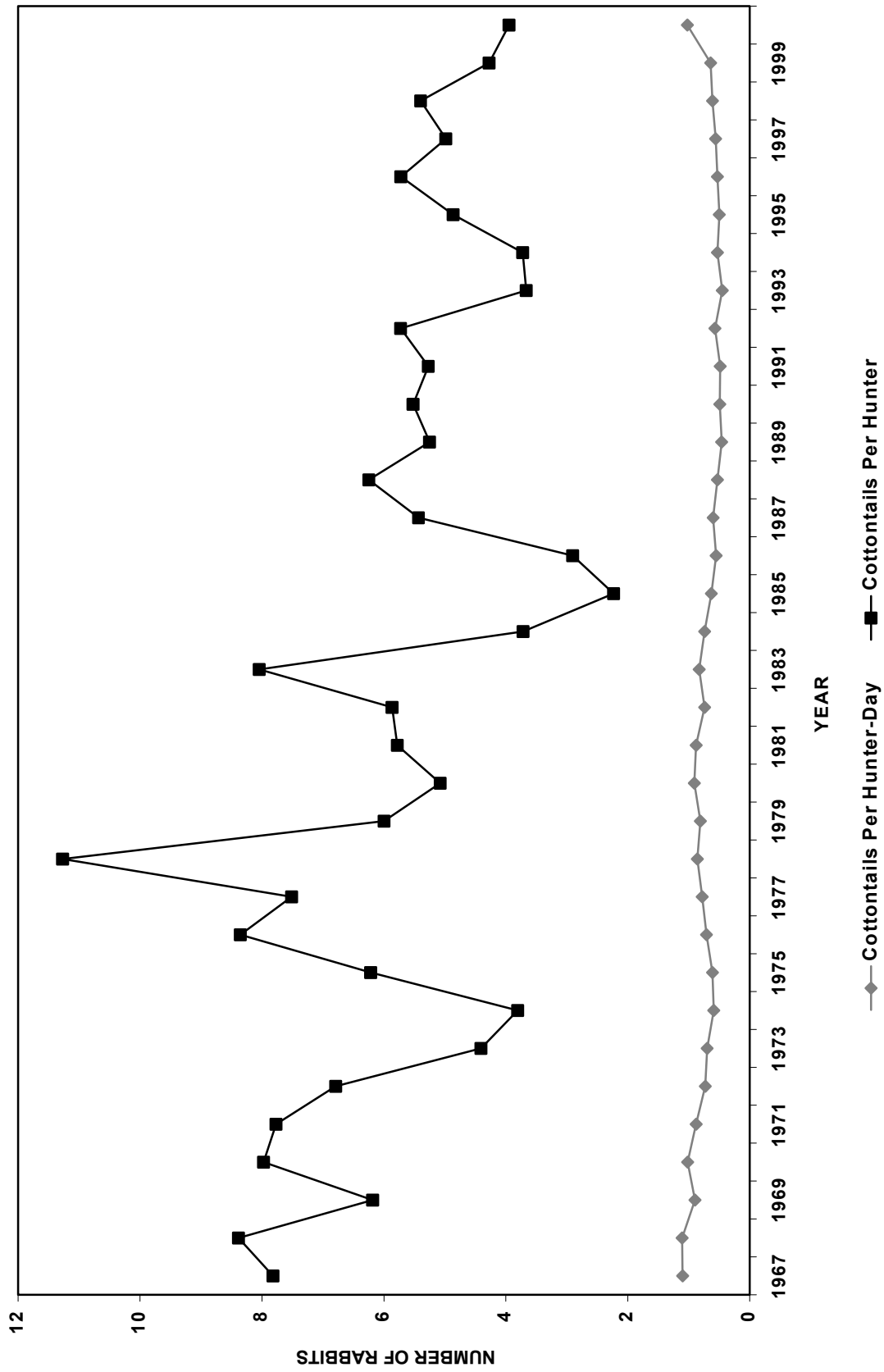


CLARK BRONSON

Statewide trends of Cottontail Rabbit harvest statistics, 1967-2000.



Statewide trends of Cottontail Rabbit hunter success rates, 1967-2000.



Cottontail Rabbit summer inventory, 2000.

Region and County	Miles Driven	Rabbits Observed				Young Per 100 Adults	Rabbits Per Mile
		Adults	Young	Unclassified	Total		
Northern Region							
Box Elder	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--
Rich	90	5	8	0	13	160	0.14
Summit	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--
REGIONAL TOTALS	90	5	8	0	13	160	0.14
Central Region							
Juab	90	7	10	0	17	143	0.19
Salt Lake	--	--	--	--	--	--	--
Sanpete	90	10	10	0	20	100	0.22
Tooele	90	3	5	1	9	167	0.10
Utah	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--
REGIONAL TOTALS	270	20	25	1	46	125	0.17
Southern Region							
Beaver	90	15	3	6	24	20	0.27
Garfield	60	4	1	5	10	25	0.17
Iron	90	36	38	152	226	106	2.51
Kane	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--
Sevier	90	9	3	5	17	33	0.19
Washington	--	--	--	--	--	--	--
Wayne	90	19	78	--	97	411	1.08
REGIONAL TOTALS	420	83	123	168	374	148	0.89
Northeastern Region							
Daggett	105	19	26	6	51	137	0.49
Duchesne	91.5	36	3	0	39	8	0.43
Uintah	52	8	11	8	27	138	0.52
REGIONAL TOTALS	249	63	40	14	117	63	0.47
Southeastern Region							
Carbon	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
STATE TOTALS	1,029	171	196	183	550	115	0.53

Summary of Cottontail Rabbits observed per mile during summer inventory, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	0.10	0.08	--	--	--	--	--	0.04	0.04	--	
Cache	--	--	--	--	--	--	--	--	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	--	--	--	--	0.13	0.21	0.14	
Summit	--	--	--	--	--	--	--	0.04	--	--	
Weber	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	0.10	0.08	--	--	--	--	--	0.07	0.10	0.14	0.09
Central Region											
Juab	--	--	--	--	0.01	0.02	0.00	0.00	0.12	0.19	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	0.09	0.15	0.01	--	0.07	0.14	0.00	0.18	0.20	0.22	
Tooele	--	0.03	--	--	0.02	0.00	0.02	0.00	--	0.10	
Utah	--	--	--	--	--	--	--	--	--	--	
Wasatch	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	0.09	0.08	0.01	--	0.04	0.06	0.01	0.06	0.16	0.17	0.06
Southern Region											
Beaver	--	--	--	--	--	--	--	--	0.30	0.27	
Garfield	--	--	--	--	--	--	--	--	0.17	0.17	
Iron	--	--	--	--	--	--	--	0.38	0.63	2.51	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	0.14	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	0.04	0.21	0.19	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	0.83	0.21	--	--	--	--	--	--	0.71	1.08	
REGIONAL TOTALS	0.83	0.21	--	--	--	--	--	0.23	0.35	0.89	0.41
Northeastern Region											
Daggett	--	0.28	0.07	0.07	0.50	0.94	0.80	1.14	--	0.49	
Duchesne	0.03	0.60	0.23	0.56	0.39	1.69	0.33	0.95	--	0.43	
Uintah	--	0.18	0.17	0.24	0.23	0.82	0.43	--	--	0.52	
REGIONAL TOTALS	0.03	0.38	0.16	0.36	0.39	1.21	0.50	1.00	--	0.47	0.50
Southeastern Region											
Carbon	0.20	0.21	0.13	--	--	--	--	0.97	0.14	--	
Emery	0.37	0.34	0.06	--	--	--	--	--	--	--	
Grand	0.05	0.13	0.20	--	--	--	--	--	--	--	
San Juan	0.28	0.34	0.16	--	--	--	--	--	--	--	
REGIONAL TOTALS	0.24	0.26	0.14	--	--	--	--	0.97	0.14	--	0.35
STATE TOTALS	0.17	0.24	0.11	0.36	0.20	0.57	0.24	0.25	0.21	0.53	0.26

Summary of Cottontail Rabbit young per 100 adults, 1991-2000.

Region and County	Year										Average 1991-1999
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Northern Region											
Box Elder	13	67	--	--	--	--	--	33	45	--	
Cache	--	--	--	--	--	--	--	--	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	--	--	--	--	44	36	160	
Summit	--	--	--	--	--	--	--	33	--	--	
Weber	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	13	67	--	--	--	--	--	40	38	160	39
Central Region											
Juab	--	--	--	--	0	100	--	--	175	143	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	50	50	--	--	133	100	--	220	125	100	
Tooele	--	100	--	--	--	--	--	--	--	167	
Utah	--	--	--	--	--	--	--	--	--	--	
Wasatch	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	50	57	--	--	125	100	--	220	142	125	116
Southern Region											
Beaver	--	--	--	--	--	--	--	13	8	20	
Garfield	--	--	--	--	--	--	--	--	114	25	
Iron	--	--	--	--	--	--	--	143	171	106	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	6	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	0	--	33	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	369	138	--	--	--	--	--	260	220	411	
REGIONAL TOTALS	369	138	--	--	--	--	--	131	102	148	185
Northeastern Region											
Daggett	--	89	33	--	100	177	89	125	--	137	
Duchesne	50	138	36	17	183	172	110	24	--	8	
Uintah	--	10	80	50	50	156	94	--	--	138	
REGIONAL TOTALS	50	95	47	18	113	170	95	48	--	63	79
Southeastern Region											
Carbon	--	25	--	--	--	--	--	150	33	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	--	40	--	--	--	--	--	--	--	--	
San Juan	54	37	18	--	--	--	--	--	--	--	
REGIONAL TOTALS	100	33	18	--	--	--	--	150	33	--	67
STATE TOTALS	64	71	35	18	114	163	98	88	85	115	82

Summary of Cottontail Rabbit hunter success and distribution of harvest and hunting pressure by region and county, 2000.

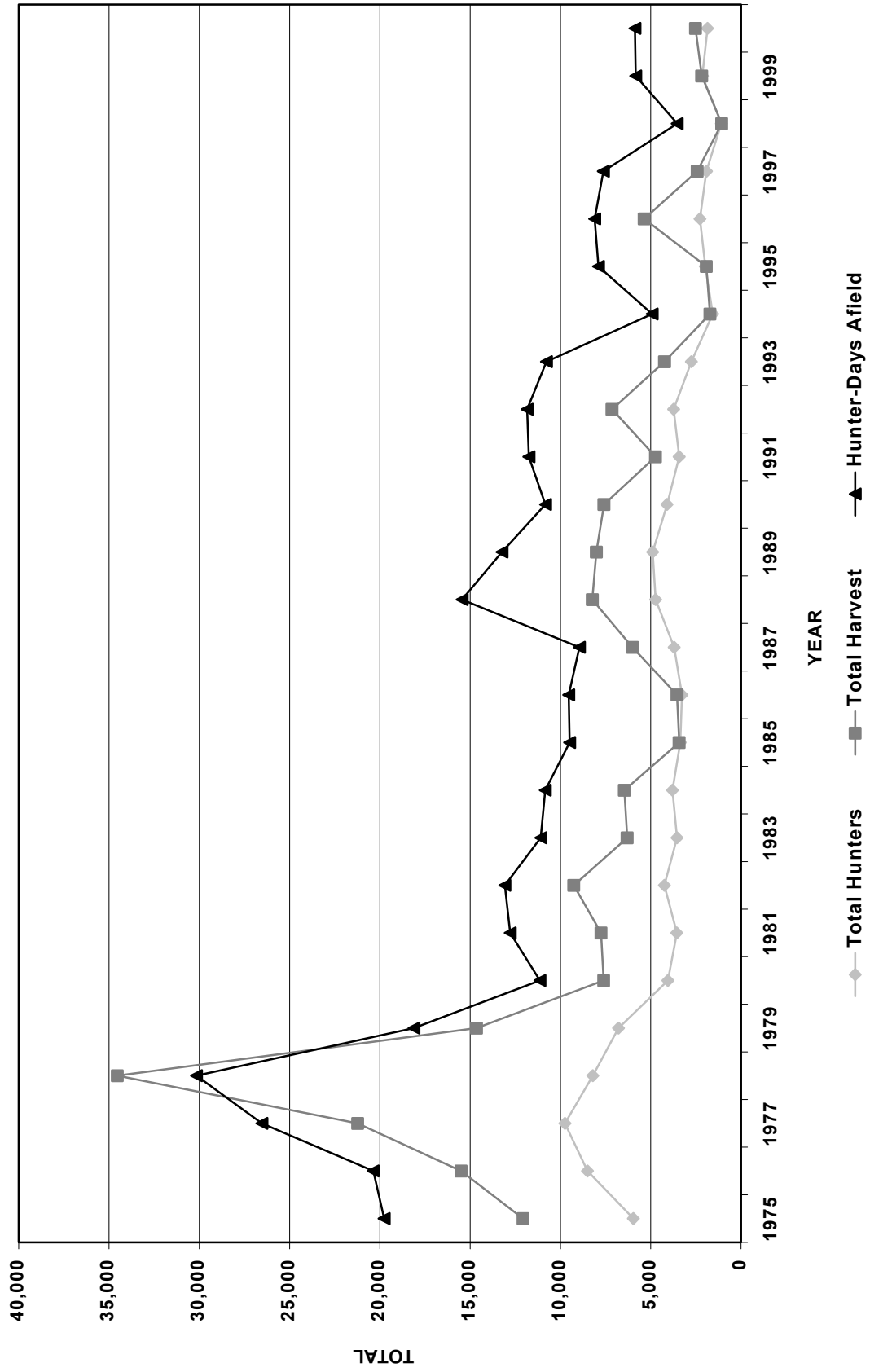
Region and County	Sample Size*	Hunters Afield	Hunter-Days Afield	Rabbits Bagged	Rabbits Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	43	823	1,743	1,704	0.98	2.86	2.73
Cache	11	211	900	191	0.21	1.48	0.31
Davis	0	0	0	0	0.00	0.00	0.00
Morgan	6	115	268	191	0.71	0.44	0.31
Rich	10	191	345	632	1.83	0.57	1.01
Summit	10	191	632	594	0.94	1.04	0.95
Weber	5	96	268	96	0.36	0.44	0.15
REGIONAL TOTALS	85	1,627	4,156	3,408	0.82	6.82	5.47
Central Region							
Juab	73	1,398	4,021	3,830	0.95	6.60	6.14
Salt Lake	7	134	804	632	0.79	1.32	1.01
Sanpete	37	709	2,355	2,183	0.93	3.87	3.50
Tooele	123	2,355	8,866	6,894	0.78	14.56	11.06
Utah	104	1,992	7,583	5,898	0.78	12.45	9.46
Wasatch	9	172	479	172	0.36	0.79	0.28
REGIONAL TOTALS	353	6,760	24,108	19,609	0.81	39.59	31.46
Southern Region							
Beaver	10	191	862	1,321	1.53	1.42	2.12
Garfield	8	153	862	862	1.00	1.42	1.38
Iron	19	364	2,700	2,509	0.93	4.43	4.03
Kane	4	77	364	172	0.47	0.60	0.28
Millard	35	670	3,504	2,834	0.81	5.75	4.55
Piute	7	134	191	326	1.71	0.31	0.52
Sevier	27	517	1,762	1,494	0.85	2.89	2.40
Washington	21	402	2,298	1,149	0.50	3.77	1.84
Wayne	16	306	1,245	1,723	1.38	2.04	2.76
REGIONAL TOTALS	147	2,814	13,788	12,390	0.90	22.64	19.88
Northeastern Region							
Daggett	11	211	632	1,628	2.58	1.04	2.61
Duchesne	68	1,302	4,175	4,806	1.15	6.86	7.71
Uintah	56	1,072	5,189	6,683	1.29	8.52	10.72
REGIONAL TOTALS	135	2,585	9,996	13,117	1.31	16.42	21.04
Southeastern Region							
Carbon	41	785	3,140	4,136	1.32	5.16	6.64
Emery	32	613	3,466	6,166	1.78	5.69	9.89
Grand	12	230	996	1,321	1.33	1.64	2.12
San Juan	20	383	1,245	2,183	1.75	2.04	3.50
REGIONAL TOTALS	105	2,011	8,847	13,806	1.56	14.53	22.15
STATE TOTALS	825	15,797	60,895	62,330	1.02	100.00	100.00

*Total hunter trips from questionnaire returns.

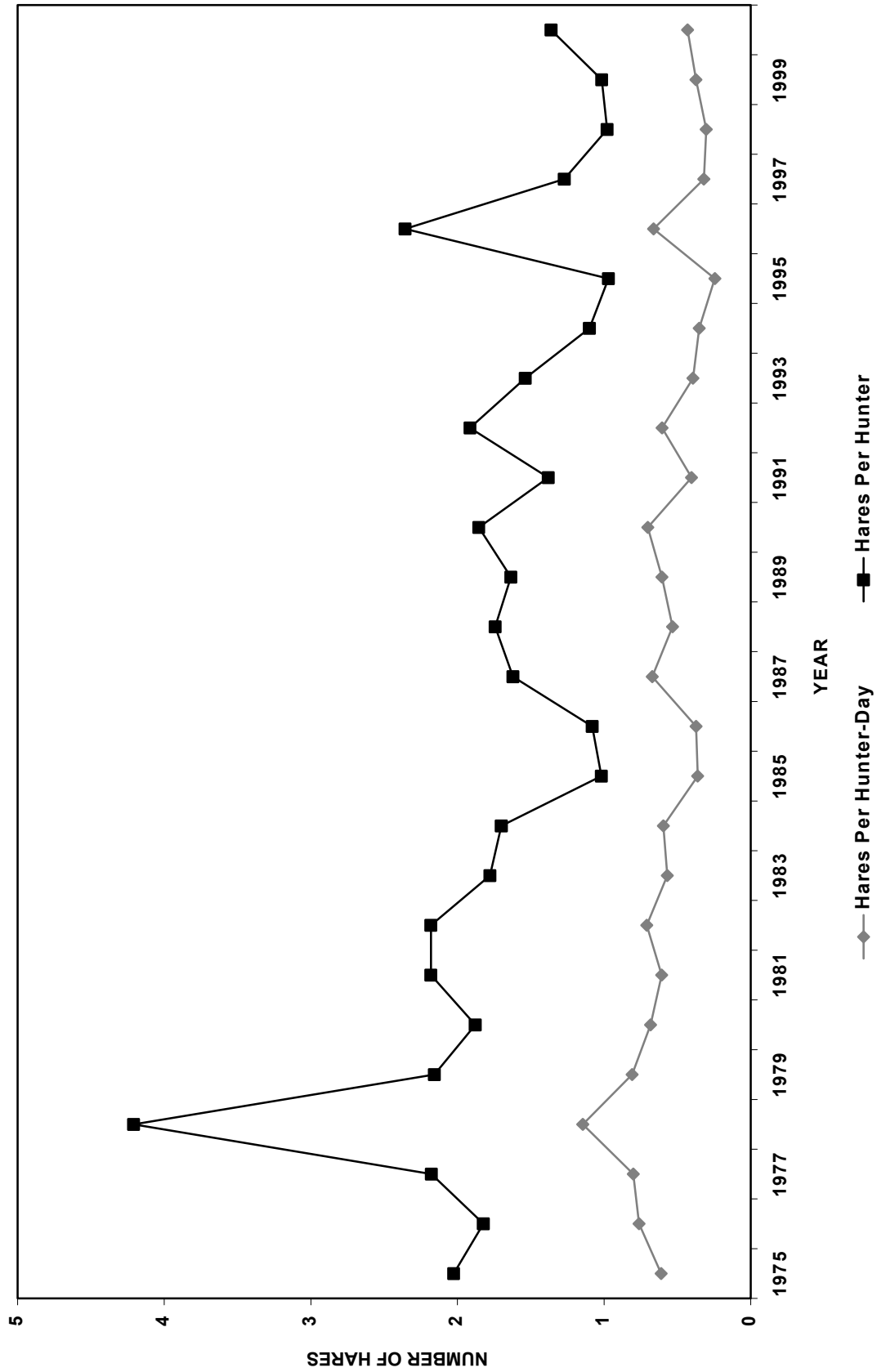
Statewide summary of Cottontail Rabbit harvest statistics, 1967-2000.

Year	Total Hunters	Total Harvest	Hunter-Days Afield	Rabbits Per Hunter-Day	Rabbits Per Hunter
1967	23,249	181,812	92,681	1.10	7.82
1968	26,889	225,450	93,126	1.11	8.38
1969	29,760	184,034	119,596	0.90	6.18
1970	24,486	195,248	103,725	1.02	7.97
1971	30,824	239,511	145,287	0.88	7.77
1972	22,835	155,102	105,941	0.73	6.79
1973	20,109	88,603	87,036	0.70	4.41
1974	22,737	86,506	85,499	0.59	3.80
1975	24,803	154,182	116,707	0.61	6.22
1976	28,239	235,952	126,737	0.71	8.36
1977	35,831	269,263	157,257	0.78	7.51
1978	35,590	401,071	163,019	0.86	11.27
1979	33,385	200,223	127,497	0.81	6.00
1980	25,156	127,652	87,051	0.91	5.07
1981	25,906	149,765	104,183	0.88	5.78
1982	26,714	156,696	105,644	0.74	5.87
1983	22,467	180,767	96,151	0.83	8.05
1984	18,616	69,186	67,643	0.74	3.72
1985	14,059	31,397	48,371	0.63	2.23
1986	13,992	40,636	48,694	0.55	2.90
1987	20,322	110,411	77,047	0.60	5.43
1988	24,076	150,386	97,190	0.53	6.25
1989	22,878	120,075	91,264	0.46	5.25
1990	23,070	127,389	93,515	0.49	5.52
1991	21,137	111,407	82,772	0.48	5.27
1992	20,509	117,454	83,154	0.57	5.73
1993	17,578	64,400	77,968	0.45	3.66
1994	12,709	47,322	53,175	0.53	3.72
1995	13,840	67,295	58,042	0.50	4.86
1996	14,470	82,803	63,943	0.53	5.72
1997	12,263	61,109	52,587	0.56	4.98
1998	10,585	57,137	45,947	0.61	5.40
1999	15,475	66,142	54,894	0.64	4.27
2000	15,797	62,330	60,895	1.02	3.95
Totals (1967-2000)	750,356	4,618,716	3,074,238	--	--
Averages (1967-1999)	22,259	138,072	91,313	0.70	5.82
% Change From Previous Year	2	-6	11	60	-8
% Change From Average	-29	-55	-33	47	-32

Statewide trends of Snowshoe Hare harvest statistics, 1975-2000.



Statewide trends of Snowshoe Hare hunter success rates, 1975-2000.



Summary of Snowshoe Hare hunter success and distribution of harvest and hunting pressure by region and county, 2000.

Region and County	Sample Size*	Hunters Afield	Hunter-Days Afield	Hares Bagged	Hares Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	3	57	153	19	0.12	2.60	0.75
Cache	8	153	728	115	0.16	12.38	4.55
Davis	0	0	0	0	0.00	0.00	0.00
Morgan	3	57	153	38	0.25	2.60	1.50
Rich	4	77	268	57	0.21	4.56	2.26
Summit	7	134	326	77	0.24	5.55	3.05
Weber	1	19	19	19	1.00	0.32	0.75
REGIONAL TOTALS	26	497	1,647	325	0.20	28.01	12.87
Central Region							
Juab	1	19	38	19	0.50	0.65	0.75
Salt Lake	1	19	19	0	0.00	0.32	0.00
Sanpete	3	57	77	19	0.25	1.31	0.75
Tooele	8	153	364	153	0.42	6.19	6.06
Utah	15	287	421	153	0.36	7.16	6.06
Wasatch	12	230	1,149	249	0.22	19.54	9.86
REGIONAL TOTALS	40	765	2,068	593	0.29	35.18	23.48
Southern Region							
Beaver	0	0	0	0	0.00	0.00	0.00
Garfield	1	19	19	383	20.16	0.32	15.16
Iron	0	0	0	0	0.00	0.00	0.00
Kane	0	0	0	0	0.00	0.00	0.00
Millard	0	0	0	0	0.00	0.00	0.00
Piute	0	0	0	0	0.00	0.00	0.00
Sevier	3	57	728	632	0.87	12.38	25.02
Washington	0	0	0	0	0.00	0.00	0.00
Wayne	2	38	38	0	0.00	0.65	0.00
REGIONAL TOTALS	6	114	785	1,015	1.29	13.35	40.18
Northeastern Region							
Daggett	2	38	364	115	0.32	6.19	4.55
Duchesne	6	115	345	77	0.22	5.87	3.05
Uintah	6	115	230	57	0.25	3.91	2.26
REGIONAL TOTALS	14	268	939	249	0.27	15.97	9.86
Southeastern Region							
Carbon	6	115	230	172	0.75	3.91	6.81
Emery	4	77	172	172	1.00	2.93	6.81
Grand	1	19	38	0	0.00	0.65	0.00
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	11	211	440	344	0.78	7.48	13.62
STATE TOTALS	97	1,855	5,879	2,526	0.43	100.00	100.00

*Total hunter trips from questionnaire returns.

Statewide summary of Snowshoe Hare harvest statistics, 1975-2000.

Year	Total Hunters	Total Harvest	Hunter-Days Afield	Hares Per Hunter Day	Hares Per Hunter
1975	5,961	12,072	19,770	0.61	2.03
1976	8,502	15,500	20,367	0.76	1.82
1977	9,752	21,232	26,535	0.80	2.18
1978	8,205	34,535	30,155	1.15	4.21
1979	6,787	14,641	18,115	0.81	2.16
1980	4,048	7,603	11,140	0.68	1.88
1981	3,554	7,750	12,782	0.61	2.18
1982	4,245	9,257	13,073	0.71	2.18
1983	3,544	6,302	11,088	0.57	1.78
1984	3,796	6,455	10,840	0.60	1.70
1985	3,365	3,429	9,494	0.36	1.02
1986	3,277	3,544	9,541	0.37	1.08
1987	3,702	6,005	8,947	0.67	1.62
1988	4,725	8,231	15,444	0.53	1.74
1989	4,895	8,006	13,233	0.61	1.64
1990	4,095	7,593	10,825	0.70	1.85
1991	3,427	4,731	11,742	0.40	1.38
1992	3,732	7,144	11,836	0.60	1.91
1993	2,755	4,237	10,774	0.39	1.54
1994	1,565	1,722	4,922	0.35	1.10
1995	1,983	1,924	7,891	0.24	0.97
1996	2,276	5,365	8,106	0.66	2.36
1997	1,912	2,431	7,628	0.32	1.27
1998	1,093	1,070	3,536	0.30	0.98
1999	2,139	2,173	5,831	0.37	1.02
2000	1,855	2,526	5,879	0.43	1.36
Totals (1975-2000)	105,190	205,478	319,494	--	--
Averages (1975-1999)	4,133	8,118	12,545	0.57	1.74
% Change From Previous Year	-13	16	1	15	34
% Change From Average	-55	-69	-53	-24	-22

APPENDIX A

WEATHER CONDITIONS

Weather information used in this report (Tables 1 & 2 and Figures 1 & 2) is from the N.O.A.A. monthly periodical titled "Climatological Data."

Table 1. Comparison of 2000 monthly average temperatures (F) to the normal for each weather division and statewide.

Weather Division	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
No.1 Western													
Normal	26.0	32.5	39.6	47.3	56.5	66.0	74.3	72.1	62.0	50.1	37.6	27.4	49.3
2000	33.5	37.9	40.9	52.8	60.7	69.1	75.8	75.0	62.6	50.0	30.5	30.5	51.6
Departure (degrees)	7.5	5.4	1.3	5.5	4.2	3.1	1.5	2.9	0.6	-0.1	-7.1	3.1	2.3
No.2 Dixie													
Normal	38.8	44.1	49.2	56.6	65.7	75.6	81.7	79.4	71.9	60.9	48.0	39.5	59.3
2000	43.9	47.2	51.9	63.3	72.3	79.2	82.1	81.8	73.5	60.0	42.6	43.0	61.7
Departure (degrees)	5.1	3.1	2.7	6.7	6.6	3.6	0.4	2.4	1.6	-0.9	-5.4	3.5	2.5
No.3 North Central													
Normal	25.8	31.3	39.3	47.7	56.9	66.2	74.4	72.3	62.4	50.9	38.3	27.8	49.4
2000	34.5	38.8	41.6	53.6	60.4	69.3	77.6	76.5	63.6	51.6	31.2	30.9	52.5
Departure (degrees)	8.7	7.5	2.3	5.9	3.5	3.1	3.2	4.2	1.2	0.7	-7.1	3.1	3.0
No.4 South Central													
Normal	26.5	31.6	37.6	45.1	54.0	63.4	70.4	68.2	59.9	49.3	37.3	28.1	47.6
2000	33.5	36.4	39.2	50.8	58.8	66.6	71.7	71.0	61.8	49.0	30.4	31.8	50.1
Departure (degrees)	7.0	4.8	1.6	5.7	4.8	3.2	1.3	2.8	1.9	-0.3	-6.9	3.7	2.5
No.5 Northern Mountains													
Normal	20.9	24.7	31.7	40.6	49.6	58.2	65.6	63.6	54.9	44.7	32.5	22.8	42.5
2000	28.0	31.7	34.7	45.9	53.7	60.5	67.7	68.0	55.3	44.7	24.6	24.0	44.9
Departure (degrees)	7.1	7.0	3.0	5.3	4.1	2.3	2.1	4.4	0.4	0.0	-7.9	1.2	2.4
No.6 Uintah Basin													
Normal	16.7	24.0	36.3	46.8	56.2	65.3	72.2	69.8	60.2	48.3	34.0	20.5	45.9
2000	28.6	32.9	40.5	51.9	60.9	67.4	73.8	74.0	61.0	48.9	28.4	26.1	49.5
Departure (degrees)	11.9	8.9	4.2	5.1	4.7	2.1	1.6	4.2	0.8	0.6	-5.6	5.6	3.7
No.7 Southeast													
Normal	26.9	34.2	41.9	50.5	60.0	70.1	76.7	74.2	65.2	53.4	40.2	29.5	51.9
2000	35.2	40.1	43.2	56.6	65.9	74.1	79.0	78.8	67.7	54.1	34.7	33.5	55.2
Departure (degrees)	8.3	5.9	1.3	6.1	5.9	4.0	2.3	4.6	2.5	0.7	-5.5	4.0	3.3
STATE AVERAGES													
Normal	25.9	31.8	39.4	47.8	57.0	66.4	73.6	71.4	62.4	51.1	38.3	27.9	49.4
2000	33.9	37.9	41.7	53.6	61.8	69.5	75.4	75.0	63.6	51.2	31.8	31.4	52.2
Departure (degrees)	7.9	6.1	2.3	5.8	4.8	3.1	1.8	3.6	1.3	0.1	-6.5	3.5	2.8

Figure 1. Temperature departure from normal (degrees), 2000.

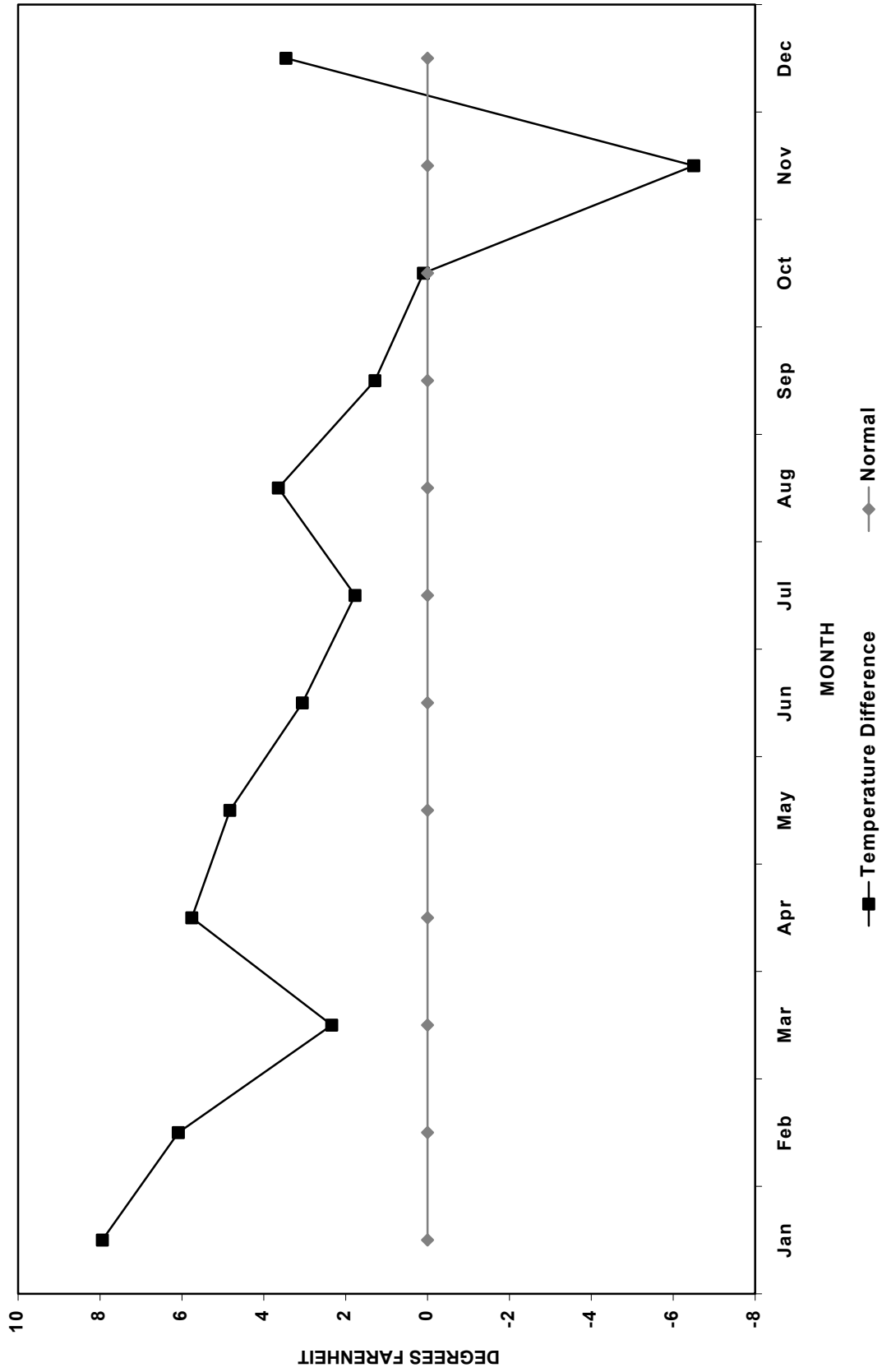
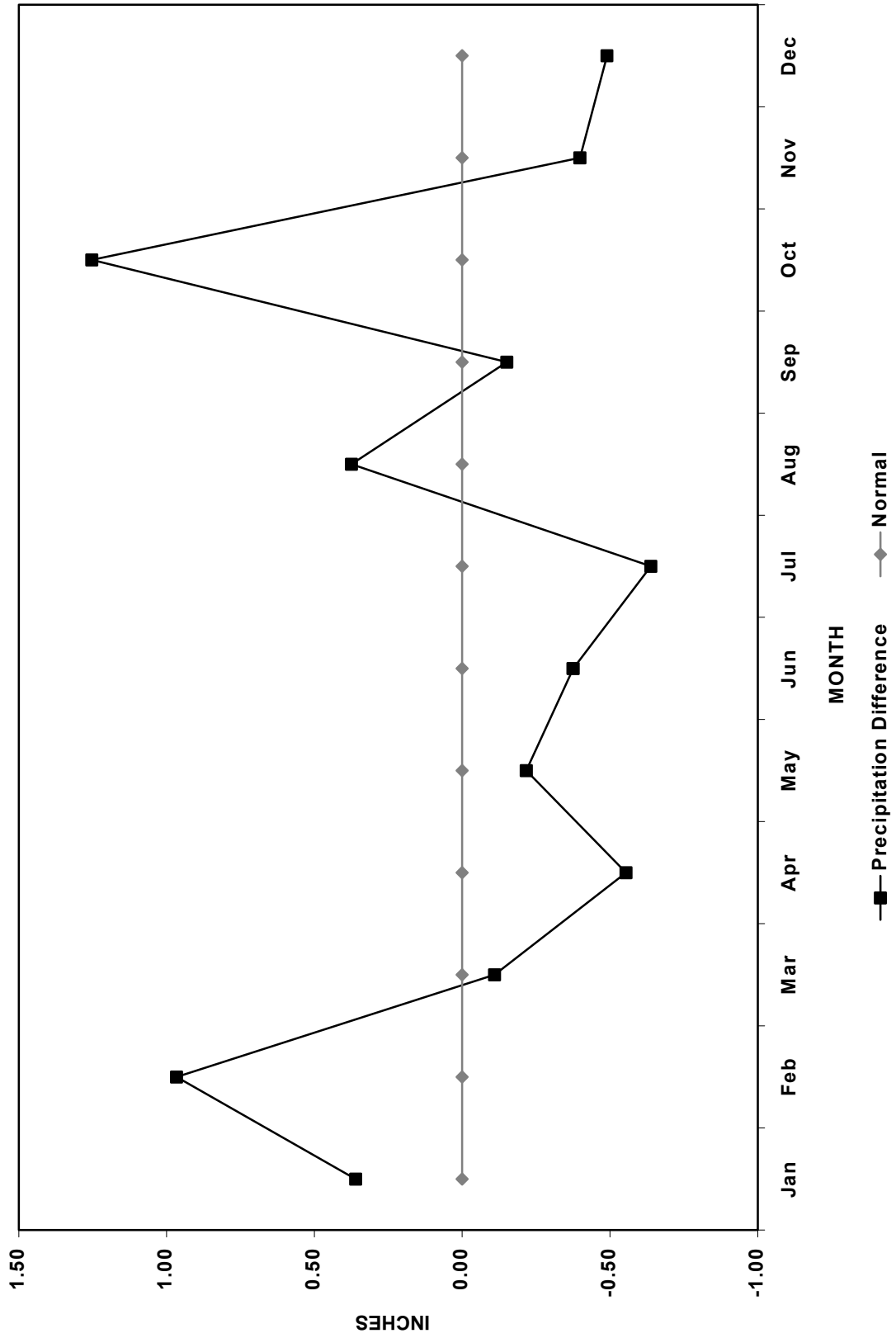


Table 2. Comparison of 2000 monthly average precipitation to the normal for each weather division and statewide.

Weather Division	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
No.1 Western													
Normal	0.53	0.58	0.85	0.89	0.98	0.71	0.73	0.83	0.79	0.81	0.68	0.58	8.96
2000	0.93	1.44	0.48	0.51	0.96	0.35	0.10	1.14	0.53	2.24	0.34	0.25	9.27
Departure (inches)	0.40	0.86	-0.37	-0.38	-0.02	-0.36	-0.63	0.31	-0.26	1.43	-0.34	-0.33	0.31
No.2 Dixie													
Normal	1.32	1.29	1.67	0.90	0.63	0.31	0.90	1.19	0.86	0.78	1.19	1.01	12.05
2000	0.98	3.38	1.44	0.27	0.18	0.06	0.08	1.15	0.15	2.48	0.61	0.09	10.87
Departure (inches)	-0.34	2.09	-0.23	-0.63	-0.45	-0.25	-0.82	-0.04	-0.71	1.70	-0.58	-0.92	-1.18
No.3 North Central													
Normal	1.34	1.39	1.77	1.94	1.84	1.21	0.85	0.99	1.43	1.64	1.53	1.49	17.42
2000	2.07	2.64	1.44	1.00	1.40	0.26	0.24	1.89	1.28	2.63	1.00	0.90	16.75
Departure (inches)	0.73	1.25	-0.33	-0.94	-0.44	-0.95	-0.61	0.90	-0.15	0.99	-0.53	-0.59	-0.67
No.4 South Central													
Normal	0.98	1.01	1.37	1.07	0.98	0.60	1.07	1.38	1.18	1.05	1.07	1.02	12.78
2000	1.44	2.22	1.33	0.50	0.84	0.74	0.38	2.19	0.79	3.29	0.75	0.56	15.03
Departure (inches)	0.46	1.21	-0.04	-0.57	-0.14	0.14	-0.69	0.81	-0.39	2.24	-0.32	-0.46	2.25
No.5 Northern Mountains													
Normal	1.83	1.78	1.93	1.95	1.68	1.19	1.04	1.19	1.52	1.69	1.83	1.92	19.55
2000	2.95	2.73	1.67	1.06	1.81	0.47	0.48	1.91	1.83	2.26	1.34	1.61	20.12
Departure (inches)	1.12	0.95	-0.26	-0.89	0.13	-0.72	-0.56	0.72	0.31	0.57	-0.49	-0.31	0.57
No.6 Uintah Basin													
Normal	0.48	0.46	0.63	0.73	0.86	0.71	0.71	0.73	0.88	0.96	0.56	0.60	8.31
2000	0.44	0.79	0.51	0.80	0.57	0.43	0.10	0.73	1.46	1.53	0.36	0.14	7.86
Departure (inches)	-0.04	0.33	-0.12	0.07	-0.29	-0.28	-0.61	0.00	0.58	0.57	-0.20	-0.46	-0.45
No.7 Southeast													
Normal	0.68	0.59	0.81	0.66	0.67	0.46	0.97	1.05	0.98	1.13	0.80	0.73	9.53
2000	0.87	0.66	1.39	0.12	0.36	0.25	0.42	0.97	0.54	2.40	0.47	0.37	8.82
Departure (inches)	0.19	0.07	0.58	-0.54	-0.31	-0.21	-0.55	-0.08	-0.44	1.27	-0.33	-0.36	-0.71
STATE AVERAGES													
Normal	1.02	1.01	1.29	1.16	1.09	0.74	0.90	1.05	1.09	1.15	1.09	1.05	12.66
2000	1.38	1.98	1.18	0.61	0.87	0.37	0.26	1.43	0.94	2.40	0.70	0.56	12.67
Departure (inches)	0.36	0.97	-0.11	-0.55	-0.22	-0.38	-0.64	0.37	-0.15	1.25	-0.40	-0.49	0.02

Figure 2. Precipitation departure from normal, (inches), 2000.



APPENDIX B

LICENSE SALES

Small game and Combination license sales by type and cost are listed in Table 1. The proportion of Utah's population hunting small game is declining (Table 2). In the early 1970's, about 9 percent of Utah's population hunted small game.

Table 3 identifies revenue generated to the Utah Division of Wildlife Resources from small game license sales.

Table 1. Statewide small game license sales information, 1954-2000.

Year	Small Game						Combination License	
	Adult Resident		Juvenile Resident		Non-resident		Issued	Cost
	Issued	Cost	Issued	Cost	Issued	Cost		
1954	12,990	\$3.50	5,170	\$2.00	561	\$15.00	79,574	\$6.00
1955	12,086	\$3.50	5,369	\$2.00	478	\$15.00	79,960	\$6.00
1956	12,102	\$3.50	5,735	\$2.00	524	\$15.00	80,968	\$6.00
1957	12,239	\$3.50	6,192	\$2.00	505	\$15.00	81,271	\$6.00
1958	14,290	\$3.50	6,563	\$2.00	696	\$15.00	85,198	\$6.00
1959	13,421	\$3.50	5,966	\$2.00	669	\$15.00	90,069	\$6.00
1960	12,020	\$3.50	5,022	\$2.00	576	\$15.00	90,085	\$6.00
1961	12,177	\$3.50	6,108	\$2.00	617	\$15.00	88,180	\$6.00
1962	12,953	\$3.50	6,536	\$2.00	607	\$15.00	91,412	\$6.00
1963	13,365	\$3.50	6,319	\$2.00	642	\$15.00	94,768	\$6.00
1964	13,073	\$3.50	6,453	\$2.00	681	\$15.00	98,556	\$6.00
1965	12,913	\$3.50	6,755	\$2.00	716	\$15.00	100,410	\$6.00
1966	13,854	\$3.50	7,477	\$2.00	725	\$15.00	103,849	\$6.00
1967	18,588	\$4.50	12,851	\$2.50	652	\$20.00	86,218	\$10.00
1968	20,647	\$4.50	15,205	\$2.50	703	\$20.00	91,020	\$10.00
1969	20,221	\$4.50	15,567	\$2.50	853	\$20.00	96,117	\$10.00
1970	19,564	\$4.50	15,827	\$2.50	1,009	\$20.00	100,467	\$10.00
1971	20,681	\$4.50	16,044	\$2.50	1,000	\$20.00	102,284	\$10.00
1972	19,796	\$4.50	16,523	\$2.50	1,075	\$20.00	107,414	\$10.00
1973	18,836	\$4.50	16,522	\$2.50	964	\$20.00	155,436	\$10.00
1974	17,434	\$4.50	16,334	\$2.50	974	\$20.00	117,770	\$10.00
1975	17,057	\$4.50	15,869	\$2.50	967	\$20.00	115,362	\$10.00
1976	33,078	\$6.00	16,261	\$3.00	1,141	\$20.00	76,587	\$18.00
1977	36,473	\$6.00	15,795	\$3.00	1,270	\$20.00	74,600	\$18.00
1978	37,082	\$6.00	15,419	\$3.00	1,449	\$20.00	81,227	\$18.00
1979	36,721	\$6.00	14,200	\$3.00	1,575	\$20.00	84,450	\$18.00
1980	30,189	\$8.00	14,042	\$4.00	1,330	\$30.00	100,177	\$23.00
1981	37,804	\$8.00	13,874	\$4.00	1,559	\$30.00	83,486	\$23.00
1982	36,850	\$8.00	14,040	\$4.00	1,637	\$30.00	82,970	\$23.00
1983	39,602	\$8.00	13,814	\$4.00	1,685	\$30.00	73,529	\$23.00
1984	36,070	\$8.00	13,170	\$4.00	1,633	\$30.00	73,081	\$23.00
1985	30,102	\$12.00	12,987	\$6.00	1,500	\$40.00	82,137	\$35.00
1986	29,202	\$12.00	11,921	\$6.00	1,274	\$40.00	67,187	\$35.00
1987	26,781	\$12.00	11,228	\$6.00	1,235	\$40.00	66,715	\$35.00
1988	25,733	\$12.00	9,498	\$6.00	1,428	\$40.00	72,846	\$35.00
1989	25,845	\$12.00	5,769	\$6.00	1,422	\$40.00	74,274	\$35.00
1990	24,527	\$12.00	5,682	\$6.00	1,279	\$40.00	76,292	\$35.00
1991	23,276	\$12.00	5,626	\$6.00	1,212	\$40.00	79,165	\$35.00
1992	21,852	\$12.00	5,431	\$6.00	1,195	\$40.00	78,940	\$35.00
1993	20,899	\$12.00	4,887	\$6.00	1,150	\$40.00	78,030	\$25.00
1994	25,792	\$12.00	4,551	\$6.00	1,223	\$40.00	59,854	\$25.00
1995	24,219	\$12.00	4,403	\$6.00	1,379	\$40.00	66,607	\$25.00
1996	23,908	\$12.00	3,584	\$6.00	1,503	\$40.00	65,003	\$25.00
1997	22,335	\$12.00	3,546	\$6.00	1,476	\$40.00	62,936	\$25.00
1998	22,671	\$12.00	3,529	\$6.00	1,618	\$40.00	63,648	\$25.00
1999	23,109	\$13.00	3,654	\$7.00	1,651	\$41.00	65,193	\$28.00
2000	23,316	\$13.00	3,521	\$7.00	1,212	\$41.00	59,794	\$28.00

Table 2. Actual proportion of Utah population hunting small game (1971-2000).

Year	Utah Population	Resident Small Game Hunters*	Proportion Hunting Small Game
1971	1,101,000	93,399	8.48
1972	1,135,000	102,430	9.02
1973	1,169,000	106,868	9.14
1974	1,197,000	104,796	8.75
1975	1,234,000	100,702	8.16
1976	1,272,000	77,138	6.06
1977	1,316,000	78,652	5.98
1978	1,364,000	87,928	6.45
1979	1,416,000	93,016	6.57
1980	1,461,037	103,018	7.05
1981	1,524,830	96,104	6.30
1982	1,588,622	92,724	5.84
1983	1,652,415	86,396	5.23
1984	1,716,207	81,499	4.75
1985	1,780,000	88,498	4.97
1986**	1,665,000	87,442	5.25
1987**	1,678,000	79,485	4.74
1988	1,695,000	87,928	5.19
1989**	1,715,000	89,147	5.20
1990**	1,722,850	87,691	5.09
1991**	1,774,241	86,484	4.87
1992**	1,820,453	88,707	4.87
1993**	1,866,000	86,150	4.62
1994**	1,916,000	72,383	3.78
1995**	1,959,000	75,251	3.84
1996**	2,002,359	70,142	3.50
1997**	2,048,753	61,945	3.02
1998**	2,082,502	60,396	2.90
1999**	2,121,053	62,555	2.95
2000**	2,246,553	56,986	2.54

*Resident small game hunters = number of combination licenses sold, minus the number of Federal Duck Stamps sold, plus the number of resident small game licenses sold, plus half of the number of juvenile small game licenses sold.

**Utah Population Estimate Committee Report for July 1 (Governor's Office Planning and Budget)

Table 3. Small game license sales and income, 1971-2000 (JSG=juvenile small game, RSG=adult resident small game, CMB=combination license, NRSG=nonresident small game).

Year	License Fees			Number of Licenses Sold			No. Federal Duck Stamps			Total Gross Revenues Attributed to Small Game			
	JSG	RSG	CMB	JSG	RSG	CMB	NRSG	Sold ¹	JSG ²	RSG	CMB ³	NRSG	TOTAL ⁴
	2.50	4.50	10.00	16,044	20,681	102,284	1,000	37,588	20,055	93,064	200,557	20,000	313,676
1971	2.50	4.50	10.00	16,044	20,681	102,284	1,000	37,588	20,055	93,064	200,557	20,000	313,676
1972	2.50	4.50	10.00	16,523	19,796	107,414	4,075	33,042	20,653	89,082	230,553	21,500	340,288
1973	2.50	4.50	10.00	16,522	18,836	115,436	964	35,665	20,652	84,762	247,290	19,280	352,704
1974	2.50	4.50	10.00	16,334	17,434	117,770	974	38,575	20,417	78,453	245,504	19,480	344,374
1975	2.50	4.50	10.00	15,869	17,057	115,362	967	39,652	19,836	76,756	234,701	19,340	330,993
1976	3.00	6.00	18.00	16,261	33,078	76,587	1,141	40,658	24,391	198,468	184,675	22,820	407,534
1977	3.00	6.00	18.00	15,795	36,473	74,600	1,270	40,319	23,692	218,938	176,204	25,400	418,734
1978	3.00	6.00	18.00	15,419	37,082	81,227	1,449	38,091	23,128	222,492	221,719	28,980	467,339
1979	3.00	6.00	18.00	14,200	36,721	84,450	1,575	35,255	21,300	220,326	252,862	31,500	494,488
1980	4.00	8.00	23.00	14,042	30,189	100,177	1,330	34,369	28,084	241,512	425,120	39,900	694,716
1981	4.00	8.00	23.00	13,874	37,804	83,486	1,559	32,123	27,748	302,432	331,805	46,770	661,985
1982	4.00	8.00	23.00	14,040	36,850	82,970	1,637	34,116	28,080	294,800	315,597	49,110	638,477
1983	4.00	8.00	23.00	13,814	39,602	73,529	1,685	33,642	25,620	305,249	257,670	50,134	588,539
1984	4.00	8.00	23.00	13,170	36,070	73,081	1,633	34,237	26,340	288,560	250,544	48,990	565,444
1985	6.00	12.00	35.00	12,987	30,102	82,137	1,500	32,235	38,961	361,224	484,246	60,000	884,431
1986	6.00	12.00	35.00	11,946	39,567	67,435	1,274	25,533	35,838	354,804	395,973	50,960	786,615
1987	6.00	12.00	35.00	11,228	26,781	66,715	1,235	19,625	33,684	321,372	439,350	49,400	794,406
1988	6.00	12.00	35.00	9,498	25,733	72,846	1,428	15,400	28,494	308,796	535,971	57,120	873,261
1989	6.00	12.00	35.00	5,769	25,845	74,274	1,422	13,857	17,307	310,140	563,691	56,880	891,138
1990	6.00	12.00	35.00	5,682	24,527	76,292	1,279	15,969	17,046	294,324	543,986	51,160	855,356
1991	6.00	12.00	35.00	5,626	23,276	79,165	1,212	18,770	16,878	279,312	563,485	48,480	859,675
1992	6.00	12.00	35.00	5,431	21,852	78,940	1,195	14,801	16,293	262,224	598,417	47,800	924,734
1993	6.00	12.00	25.00	4,887	20,899	78,030	1,150	15,223	14,661	250,788	585,989	46,000	897,438
1994	6.00	12.00	25.00	4,551	25,792	59,854	1,223	15,539	13,653	309,504	413,459	48,920	785,536
1995	6.00	12.00	25.00	4,403	24,219	66,607	1,379	19,428	13,209	290,628	440,180	55,160	799,177
1996	6.00	12.00	25.00	3,584	23,908	65,003	1,503	21,403	10,752	286,896	552,412	60,120	910,180
1997	6.00	12.00	25.00	3,674	22,980	63,513	1,563	25,099	11,022	275,760	486,705	62,520	836,007
1998	6.00	12.00	25.00	3,529	22,671	63,648	1,618	27,668	10,587	272,052	455,867	64,720	803,226
1999	7.00	13.00	28.00	3,654	23,109	65,193	1,651	27,574	12,789	300,417	476,633	67,691	857,530
2000	7.00	13.00	28.00	3,462	23,085	59,475	1,212	27,885	12,117	300,105	431,204	49,692	793,118

¹Total Federal duck stamps sold does not include those sold during the second quarter, Apr-Jun, because persons purchasing stamps during this quarter tend not to be hunters.

²Half of the juvenile small game license sales were attributed to waterfowl hunters. Federal duck stamps are not required of juveniles less than 16 years of age.

³Combination license values are based on the assumption that all waterfowl hunters purchased only combination licenses. They may fish and hunt big game but they do not hunt any other small game. Therefore, duck stamp sales are subtracted from combination license sales when projecting revenue generated. The proportion of the combination license fee attributed to small game equals the resident small game license fee divided by the resident fishing license fee, plus the resident small game license fee.

⁴Value does not include cougar, bear or wild turkey permits, habitat authorization, or cooperative wildlife management unit or commercial hunting area license fees. It does not include NRSG revenue - this is assumed to be primarily non-resident bear and cougar hunters.

APPENDIX C

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

2000 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2000/2001).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Notes
Pheasant	Nov. 4 - Nov. 19, 2000	2	2 bag limits	<ul style="list-style-type: none"> Statewide, except closed areas. In Weber County, the Willard Bay WMA, and in Duchesne County, the Mallard Springs WMA will be closed on Saturday, Nov. 11 to general public hunting. A special youth upland game hunt will be conducted on these WMAs on Nov. 11. These areas will reopen to general public hunting on Nov. 12. 	<ul style="list-style-type: none"> Males only may be harvested. Hunting begins at 8 a.m. on opening day. Only in certain counties are state and federal lands open to 30 days of pheasant hunting. Check the proclamation carefully!
	Nov. 4 - Nov. 10, 2000	2	2 bag limits	<ul style="list-style-type: none"> In all of Utah County, except the Powell Slough and Goshen Warm Springs wildlife management areas, the pheasant hunt closes on Nov. 10, 2000. <p>***CAUTION*** Not all counties are open for 30 day pheasant hunting. 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).</p> <ul style="list-style-type: none"> The Powell Slough and Goshen Warm Springs wildlife management areas as posted and marked in Utah County. In Millard County, the Pahvant WMA, and in Tooele County, the James Walter Fitzgerald WMA, will be closed on Saturday, Nov. 11 to general public hunting. A special youth upland game hunt will be conducted on these WMAs on Nov. 11. These areas will reopen to general public hunting on Nov. 12. 	
Mourning Dove	Sept. 1 - Sept. 30, 2000	10	2 bag limits	Statewide, except closed areas.	
Band-tailed Pigeon	Sept. 1 - Sept. 30, 2000	5	2 bag limits	Beaver, Garfield, Grand, Iron, Kane, Millard, Piute, San Juan, Sanpete, Sevier, Utah, Washington, and Wayne counties.	<ul style="list-style-type: none"> Band-tailed Pigeon permit required.
Chukar Partridge	Sept. 16 - Nov. 30, 2000	5	2 bag limits	<ul style="list-style-type: none"> Cache, Daggett, Davis, Iron, Millard, Morgan, Rich, Sanpete, Summit, Wasatch and Weber counties. Those parts of Beaver, Iron, Juab, Millard, Salt Lake and Utah counties east of I-15. That part of Box Elder County east of I-15. That part of Sevier County north of I-70. 	
	Sept. 16 - Dec. 31, 2000	5	2 bag limits	That part of Box Elder County beginning at the junction of I-15 and SR-83; then west on SR-83 to Lampo Junction; west along the Union Pacific/Central Pacific Railroad Grade to Locomotive Springs; north on the Locomotive Springs-Snowville-Stone, Idaho Road to the Utah-Idaho border; east along this border to I-15; south on I-15 to SR-83.	<ul style="list-style-type: none"> Antelope Island is closed to upland game hunting.
Chukar Partridge	Sept. 16, 2000 - Jan. 31, 2001	5	2 bag limits	<ul style="list-style-type: none"> Carbon, Duchesne, Emery, Garfield, Grand, Kane, Piute, San Juan, Tooele, Uintah, Washington and Wayne counties. Those parts of Beaver, Iron, Juab, Millard, Salt Lake and Utah counties west of I-15. That part of Box Elder County west of I-15 and south of SR-83, south of the Union Pacific/Central Pacific Railroad Grade, and west of the Locomotive Springs-Snowville-Stone, Idaho Road. That part of Sevier County south of I-70. 	

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

2000 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2000/2001).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Notes
Sage-grouse	Sept. 16 - Sept. 24, 2000	1	2 bag limits	<ul style="list-style-type: none"> All of Grand County north of I-70. That part of Box Elder County west of Locomotive Springs-Snowville-Stone, Idaho Road. All of Daggett County except the area beginning on the east shore of Flaming Gorge Reservoir and the Utah/Wyoming state line; then east on this state line to the Utah/Colorado state line; south on this state line to the Green River; northwest on the Green River and the east shore of Flaming Gorge Reservoir to the Utah/Wyoming state line. All of Duchesne County north and east of the Duchesne River. All of Uintah County except the area beginning at US-40 and the Green River in Jensen; then east on this highway to the Utah/Colorado state line; south on this state line to the White River; west on this river to the Green River; northeast on this river to US-40. 	<ul style="list-style-type: none"> Sage-grouse permit required.
				<ul style="list-style-type: none"> Rich County. Parker Mountain - beginning at the junction of US-89 and I-70 near Sigurd; south on US-89 to SR-24; south on this highway to SR-62; south on this highway to SR-22; south on this highway to Antimony; south on the John's Valley Road through Witssoe to Bryce Junction and SR-12; east and north on this highway to SR-24; west on this highway to SR-72 at Loa; north on this highway to I-70; west on this highway to US-89. 	
				<ul style="list-style-type: none"> Statewide, except closed areas. 	<ul style="list-style-type: none"> Limits singly or in aggregate.
Forest Grouse (blue and ruffed)	Sept. 9 - Nov. 30, 2000	4	2 bag limits	<ul style="list-style-type: none"> Box Elder, Carbon, Davis, Grand, Juab, Kane, Millard, Piute, Salt Lake, San Juan, Sevier, Tooele, Utah, and Weber counties. 	
				<ul style="list-style-type: none"> Daggett County is closed. 	
				<ul style="list-style-type: none"> All of Emery County, except the Desert Lake Waterfowl Management Area, which is closed. 	<ul style="list-style-type: none"> Hunting begins at 8 a.m. on opening day.
Quail (California and Gambel's)	Nov. 4 - Nov. 19, 2000	5	2 bag limits	<ul style="list-style-type: none"> Duchesne, Uintah and Washington counties. 	
				<ul style="list-style-type: none"> Cache, Davis, Morgan, Rich, Summit and Weber counties. 	
				<ul style="list-style-type: none"> That part of Juab County east of I-15. 	
Hungarian Partridge	Sept. 16 - Nov. 30, 2000	5	2 bag limits	<ul style="list-style-type: none"> That part of Box Elder County beginning at the junction of I-15 and SR-83; west on SR-83 to Lampo Junction; west along the Union Pacific/Central Pacific Railroad Grade to Locomotive Springs; north on the Locomotive Springs-Snowville-Stone, Idaho Road to the Utah-Idaho border; east along this border to I-15; south on I-15 to SR-83. 	
				<ul style="list-style-type: none"> Tooele County. 	
				<ul style="list-style-type: none"> That part of Box Elder County west of I-15 and south of SR-83, south of the Union Pacific/Central Pacific Railroad Grade, and west of the Locomotive Springs-Snowville-Stone, Idaho Road. That part of Juab County west of I-15. 	

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

2000 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2000/2001).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Notes
Sharp-tailed Grouse	Nov. 4 - Nov. 12, 2000		Only 2 birds of either sex may be taken during the entire season.	East Box Elder: That part of Box Elder County beginning at the junction of I-15 and SR-83; then west on SR-83 to Lampo Junction; west along the Union Pacific/Central Pacific Railroad Grade to Locomotive Springs; north on the Locomotive Springs-Snowville-Stone, Idaho Road to the Utah-Idaho border; east along this border to I-15; south on I-15 to SR-83.	<ul style="list-style-type: none"> Sharp-tailed Grouse permit required. 663 two-bird permits available.
White-tailed Ptarmigan	Sept. 2 - Oct. 15, 2000	4	2 bag limits	Daggett, Duchesne, Summit and Uintah counties.	<ul style="list-style-type: none"> Ptarmigan permit required.
Cottontail Rabbit	Sept. 16, 2000 - Feb. 28, 2001	10	2 bag limits	Statewide, except closed areas.	
Snowshoe Hare	Sept. 16, 2000 - Feb. 28, 2001	5	2 bag limits	Statewide, except closed areas.	
Jackrabbit (white-tailed and black-tailed)					*Jackrabbits are not protected in Utah. They are not under Wildlife Board authority and may be hunted without a license, year-round.

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

2000 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Spring Turkey Hunt Addendum 2000).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Beaver (A)	101	Apr. 1 - Apr. 12, 2000	20	4	One male per permit	
Beaver (B)	102	Apr. 15 - May 3, 2000	20	4	One male per permit	Iron, Garfield, Plute, Beaver and Millard counties - Boundary begins at I-15 and I-70; east on I-70 to US-89; south on US-89 to SR-20; west on SR-20 to I-15; north on I-15 to I-70.
Beaver (C)	103	May 6 - May 31, 2000	20	4	One male per permit	
Cache*	104	Apr. 15 - May 14, 2000	10	2	One male per permit	Cache and Box Elder counties - Boundary begins at I-15 at exit 364; north on I-15 to the Idaho state line; east along the state line to US-89; south on US-89 to the Cache County line; south along the county line to SR-39; west on SR-39 to Ant Flat Road; north on Ant Flat Road to SR-101; west on SR-101 to US-89/91; south and west on US-89/91 to I-15 at exit 364.
Caineville	105	Apr. 8 - May 14, 2000	3	1	One male per permit	One mile either side of the Fremont River from Capitol Reef National Park to Hanksville.
Colorado River (A)*	106	Apr. 8 - Apr. 16, 2000	9	2	One male per permit	
Colorado River (B)*	107	Apr. 17 - Apr. 30, 2000	9	2	One male per permit	Grand County - One mile either side of the Colorado and Dolores rivers from the Colorado state line to Dewey Bridge.
Colorado River (C)*	108	May 1 - May 14, 2000	9	2	One male per permit	
Duchesne County (early)*	109	CLOSED				
Duchesne County (late)*	110	CLOSED				
Fillmore, Oak Creek	111	Apr. 8 - May 14, 2000	5	1	One male per permit	Millard and Juab counties - Beginning at the junction of SR-50 and I-15 northwest on SR-50 to SR-125, northeast on SR-125 to SR-132 at Learnington, northeast on SR-132 to I-15, south on I-15 to SR-50.

*Hunts comprised of all or largely private property. Before applying for the hunt, hunters should obtain written permission from the landowner to access private property.

2000 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Spring Turkey Hunt Addendum 2000).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Fillmore, Pahvant (A)	112	Apr. 1 - Apr. 12, 2000	10	2	One male per permit	
Fillmore, Pahvant (B)	113	Apr. 15 - May 3, 2000	10	2	One male per permit	Millard, Juab, Sanpete, and Sevier counties - Boundary begins at I-70 and I-15; north on I-15 to SR-28; south on SR-28 to US-89; south on US-89 to I-70; west on I-70 to I-15.
Fillmore, Pahvant (C)	114	May 6 - May 31, 2000	10	2	One male per permit	
Green River (A)*	115	Apr. 8 - Apr. 16, 2000	5	1	One male per permit	
Green River (B)*	116	Apr. 17 - Apr. 30, 2000	5	1	One male per permit	Emery and Grand counties - Two miles either side of the Green River from the confluence of the Price River to Ten-Mile Canyon.
Green River (C)*	117	May 1 - May 14, 2000	5	1	One male per permit	
Juab	118	May 6 - May 31, 2000	10	2	One male per permit	All of Juab County east of I-15.
Monroe Mountain	119	Apr. 8 - May 14, 2000	5	1	One male per permit	Piute and Sevier counties - Boundary begins at I-70 and US-89; south on US-89 to SR-62; northeast on SR-62 to SR-24; north on SR-24 to US-89; north on US-89 to I-70.
Morgan-South Rich (Morgan and Summit counties)*	120	Apr. 15 - May 14, 2000	5	1	One male per permit	Morgan and Summit counties - Boundary begins I-84 at the Croydon exit; northeast to the Lost Creek Road to the Francis Canyon Road; east on the Francis Canyon Road to the Beaver Dam Hollow Road; south and east on the Beaver Dam Hollow Road to the Summit County line; east along the county line to I-80; west on I-80 to I-84; west on I-84 to the Croydon exit.
Morgan-South Rich (Morgan, Rich and Weber counties)*	121	Apr. 15 - May 14, 2000	15	3	One male per permit	Morgan, Rich, and Weber counties - Boundary begins at SR-167 at Mountain Green; north on SR-167 to SR-39; east along SR-39 to SR-16; south and east on SR-16 to the Wyoming state line; south along this state line to I-80; west on I-80 to the Summit County line; west along the county line to the Beaver Dam Hollow Road; west along the Beaver Dam Hollow Road to the Francis Canyon Road; north and west on the Francis Canyon Road to the Lost Creek Road; south and west on the Lost Creek Road to I-84; west on I-84 to SR-167.
Ogden (North)*	122	Apr. 15 - May 14, 2000	10	2	One male per permit	Cache and Box Elder counties - Boundary begins at Hyrum and SR-101; east on SR-101 to the Ant Flat Road (Hardware Ranch); south on this road to the Cache-Weber county line; west on this county line to I-15; north on I-15 to Exit 364 and US-91; northeast on US-91 to SR-101; east on SR-101 to Hyrum.

*Hunts comprised of all or largely private property. Before applying for the hunt, hunters should obtain written permission from the landowner to access private property.

2000 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Spring Turkey Hunt Addendum 2000).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Ogden (South) (early)*	123	Apr. 8 - Apr. 21, 2000	20	4	One male per permit	Weber County - Boundary begins at I-15 and the Weber-Box Elder county line; 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 the Ant Flat Road; north on the Ant Flat Road to the Weber-Cache county line; west on this county line to Weber-Box Elder county line; west on this county line to I-15. THESE HUNT'S EXCLUDE THE MIDDLE FORK WILDLIFE MANAGEMENT AREA.
Ogden (South) (late)*	124	Apr. 22 - May 14, 2000	15	3	One male per permit	
Ogden, Middle Fork Wildlife Management Area	125	Apr. 4 - May 14, 2000	5		One male per permit	Weber County - The hunt boundary is the Middle Fork Wildlife Management Area. Maps are available at the DWR Northern Region Office, Ogden.
Paunsaugunt	126	Apr. 4 - May 14, 2000	8	2	One male per permit	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 along the Paria River to the Utah-Arizona state line; west along the state line to US-89A.
Pine Valley (A)*	127	Apr. 1 - Apr. 12, 2000	25	5	One male per permit	
Pine Valley (B)*	128	Apr. 15 - May 3, 2000	25	5	One male per permit	Iron and Washington counties - Boundary begins at I-15 and SR-18; north on I-15 to SR-56; west on SR-56 to the Lund Highway; northwest along the Lund Highway to the Union Pacific Railroad tracks at Lund; southwest on the Union Pacific Railroad tracks to SR-56 at Modena; east on SR-56 to SR-18; south on SR-18 to I-15.
Pine Valley (C)*	129	May 6 - May 31, 2000	25	5	One male per permit	
San Juan (early)	130	Apr. 22 - May 2, 2000	30	6	One male per permit	Beginning at Moab 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 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 to the Colorado River; north on this river to Moab.
San Juan (late)	131	May 6 - May 30, 2000	30	6	One male per permit	
South Book Cliffs	132	Apr. 8 - May 14, 2000	3	1	One male per permit	Beginning at I-70 and Floy Canyon (exit 173), northeast up Floy Canyon to the Book Cliffs Divide; east along the Book Cliffs Divide to the Colorado state line; south along the state line to I-70, west along I-70 to Floy Canyon (exit 173).

*Hunts comprised of all or largely private property. Before applying for the hunt, hunters should obtain written permission from the landowner to access private property.

2000 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Spring Turkey Hunt Addendum 2000).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Uintah County (early)*	133	Apr. 8 - Apr. 21, 2000	8	2	One male per permit	All of Uintah County except that portion south of the White River and east of the Green River below the White River confluence.
Uintah County (late)*	134	Apr. 22 - May 14, 2000	8	2	One male per permit	
Utah County (North) (A)	135	Apr. 22 - May 3, 2000	25	5	One male per permit	That part of Utah County east of I-15 and north of US-6.
Utah County (North) (B)	136	May 6 - May 17, 2000	20	4	One male per permit	
Utah County (North) (C)	137	May 20 - May 31, 2000	20	4	One male per permit	
Utah County (South) (A)	138	Apr. 22 - May 3, 2000	10	2	One male per permit	That part of Utah County east of I-15 and south of US-6.
Utah County (South) (B)	139	May 6 - May 17, 2000	10	2	One male per permit	
Utah County (South) (C)	140	May 20 - May 31, 2000	10	2	One male per permit	
Wasatch County	141	May 6 - May 31, 2000	10	2	One male per permit	All of Wasatch County.
West Emery County*	142	Apr. 8 - May 14, 2000	5	1	One male per permit	All of Emery County west of US-6 and north of I-70.

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2000 Merriam's Wild Turkey permit numbers, season dates, and areas open (Spring Turkey Hunt Addendum 2000).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Boulder Mountain (early)	201	Apr. 22 - May 3, 2000	75	15	One male per permit	Garfield, Piute and Wayne counties - Boundary begins at SR-24 and SR-62; south on SR-62 to SR-22; south on SR-22 to the Antimony-Widtsoe road; south on the Antimony-Widtsoe road to SR-12; east on SR-12 to the Burr Trail at Boulder; east on the Burr Trail road to the Notom Road; north on the Notom Road to SR-24; west on SR-24 to SR-62.
Boulder Mountain (late)	202	May 6 - May 31, 2000	75	15	One male per permit	
La Sal (early)	203	Apr. 22 - May 3, 2000	15	3	One male per permit	Boundary begins at the junction of SR-128 and US-191; south on US-191 to SR-46; east on SR-46 to the Lisbon Valley Road; southeast on this road to the Island Mesa Road; east on this road to the Utah-Colorado state line; north on this state line to a point one mile south of the Dolores River; west on a line one mile south of the Dolores River to SR-128; southwest on SR-128 to US-191.
La Sal (late)	204	May 6 - May 31, 2000	15	3	One male per permit	
Zion (early)*	205	Apr. 22 - May 3, 2000	75	15	One male per permit	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-14; east on SR-14 to US-89 and Iron, Kane, and Washington counties - Boundary begins at I-15 and the Utah-Arizona state line; north on I-15 to SR-14; east on SR-14 to US-89; south on US-89 to US-89A; south on US-89A to the Utah-Arizona state line; west on the Utah-Arizona state line to I-15.
Zion (late)*	206	May 6 - May 31, 2000	100	20	One male per permit	

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APPENDIX D

SUMMARY OF HARVEST: QUESTIONNAIRE RETURNS

Summary of upland game harvest questionnaire returns, 1962-2000.

Year	Questionnaires Mailed	Total Returns	Percent Returned	Useable Returns	Percent Useable	Percent of Licensees Who Did Not Hunt
1962	10,068	4,122	40.94	3,433	34.10	22.00
1963	11,058	5,062	45.78	4,325	39.11	21.00
1964	10,718	4,840	45.16	4,180	39.00	23.00
1965	11,917	6,232	52.30	--	--	34.00
1966	13,131	5,734	43.67	5,734	43.67	34.60
1967	12,012	5,764	47.99	5,764	47.99	25.10
1968	14,068	6,138	43.63	6,138	43.63	25.60
1969	15,036	6,429	42.76	6,429	42.76	28.00
1970	14,730	6,639	45.07	6,639	45.07	38.80
1971	15,149	--	43.20	--	--	--
1972	15,272	--	--	6,399	41.90	--
1973	17,572	--	--	7,999	45.52	--
1974	27,379	9,157	33.45	8,027	29.32	--
1975	26,657	10,880	40.81	9,132	34.26	--
1976	21,250	7,889	37.12	6,226	29.30	--
1977	20,984	9,329	44.46	8,099	38.60	--
1978	24,733	7,575	30.63	6,529	26.40	--
1979	27,616	10,498	38.01	9,274	33.58	26.40
1980	27,952	9,857	35.26	8,496	30.39	33.10
1981	13,925	7,941	57.03	6,367	45.72	31.40
1982	22,609	10,167	44.97	8,734	38.63	27.00
1983	23,430	10,324	44.06	9,497	40.53	28.70
1984	12,026	6,455	53.68	6,324	52.59	31.10
1985	10,772	5,904	54.81	5,843	54.24	35.20
1986	11,103	5,329	48.00	5,256	47.34	34.20
1987	10,022	4,294	42.85	4,272	42.63	30.10
1988	15,350	6,650	43.32	6,527	42.52	35.60
1989	12,894	5,135	39.82	5,105	39.59	36.70
1990	12,236	5,264	43.02	5,175	42.29	39.10
1991	15,054	6,419	42.64	6,212	41.26	42.70
1992	16,472	6,207	37.68	5,977	36.29	45.00
1993	16,534	6,293	38.06	5,442	32.91	42.60
1994	15,526	5,433	34.99	5,131	33.05	45.10
1995	14,777	4,951	33.50	4,866	32.93	41.70
1996	14,088	4,090	29.03	4,028	28.59	36.20
1997	13,689	4,488	32.79	4,338	31.69	40.00
1998	14,497	5,536	38.19	3,862	26.64	43.50
1999	14,630	6,082	41.57	5,426	37.09	39.60
2000	14,181	5,020	35.40	4,555	32.10	37.40

