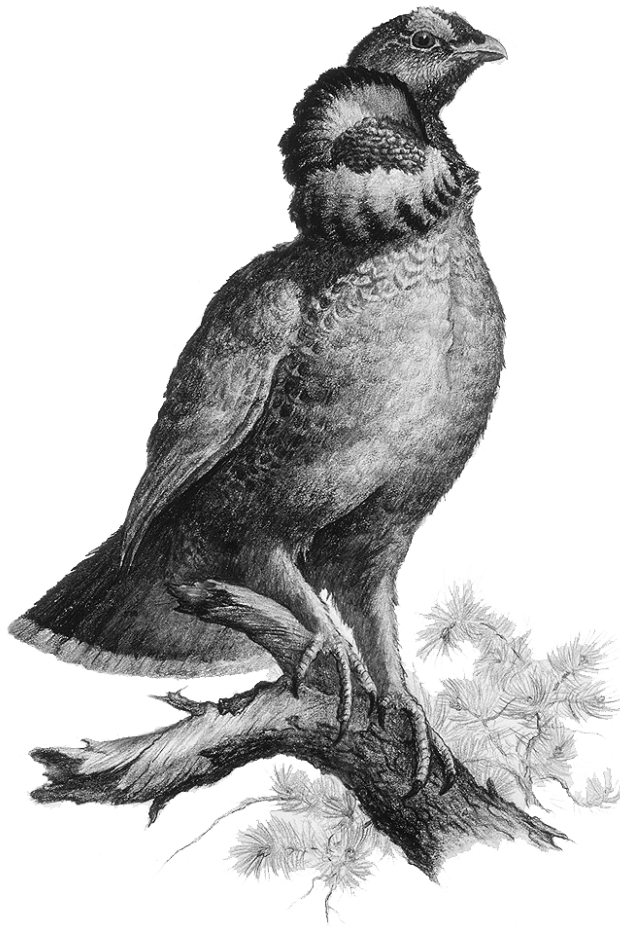


UTAH UPLAND GAME ANNUAL REPORT 2001 - 2003



CLARK BRONSON

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Utah Upland Game Annual Report 2001-2003

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Annual Performance Report for Federal Aid Project W-65-M-49, 50, 51

State of Utah
Department of Natural Resources
DIVISION OF WILDLIFE RESOURCES

An Equal Opportunity Employer

John Kimball
Director, 2001

Kevin Conway
Director, 2002-2003

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

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

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

Aldo Leopold, 1932

TABLE OF CONTENTS

Annual Performance Report - 2001	1
Annual Performance Report - 2002	4
Annual Performance Report - 2003	9
Introduction	24
Pheasant	30
Mourning Dove	38
Band-tailed Pigeon	54
Chukar Partridge	62
Sage-grouse	72
Forest Grouse	100
Quail	118
Hungarian Partridge	132
Wild Turkey	140
Sharp-tailed Grouse	164
White-tailed Ptarmigan	176
Rabbits and Hares	184
Cottontail Rabbit	186
Snowshoe Hare	196
Appendix A: Weather Conditions.....	202
Appendix B: License Sales	216
Appendix C: Permit Numbers, Season Dates, Bag and Possession Limits, and Areas Open	222
Appendix D: Hunter-Harvest Survey Response Summary	248

ANNUAL PERFORMANCE REPORT

State: UTAH

Grant Number: W-65-M

Segment: 49

Grant Title: Statewide Upland Game Management Surveys and Inventories

Grant Agreement Period: Mar. 1, 2001 thru Sept. 30, 2001

Abstract: This report identifies progress and accomplishments of Segment No. 49 objectives, Mar. 1, 2001-Sept. 30, 2001.

Results of annual population surveys and inventories and harvest surveys conducted during the segment W-16-RD-4 Amendment #3, segment W-65-M-49 and harvest surveys conducted under W-65-M-50 along with summaries of long-term trends of population indices derived and harvest estimates will be included in the Utah Upland Game Annual Report 2001. Data obtained in 2001 will be compared to 2000 and long-term averages.

The Federal Aid Annual Performance Report for W-16-RD-4 will be included in the Utah Upland Game Annual Report 2001, 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 2000 Utah Upland Game Annual Report (includes survey and inventory data from W-16-RD-4 and harvest data from W-16-RD-4 Amendment #3) will be published by March 2002 and the 2001 Utah Upland Game Annual Report (includes survey and inventory data from W-16-RD-4 Amendment #3 and W-65-M-49 and harvest data from W-65-M-50) will be published by June 2002.

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.

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:

Pheasant

Annual inventory procedures for Ring-necked Pheasants during the segment period in the past have included scattered crowing territory counts and summer roadside counts. Both techniques were eliminated from work plans this year as the data derived has been of little management decision use other than formulating hunting season forecasts. Pheasant crowing territory counts will continue to be used sporadically in areas where population assessments are needed to evaluate habitat enhancement projects.

Mourning Dove

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 in Utah. One count was made on each route between May 20-30, 2001.

Cottontail Rabbit (Desert and Mountain)

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.

Forest Grouse (Blue and Ruffed)

No work was completed on the development and implementation of a breeding population survey for forest grouse. Opportunistic brood counts were conducted on forest grouse populations from June 15-August 22. Indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Chukar Partridge

One ten-mile helicopter transect was flown in Utah's west desert in August, 2001 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.

Sage-grouse

Sage-grouse strutting ground counts were conducted from March 15-May 15. Total cocks counted, average cocks per ground and percent change from 2000 for comparable grounds were determined on a county basis. New Sage-grouse strutting grounds were described and mapped during the segment as located. Random brood counts were conducted on Sage-grouse populations from June 15-August 22. Indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Quail (California and Gambel's)

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

Hungarian Partridge

Random brood counts were conducted on Hun populations from June 15-August 22. Indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Snowshoe Hare

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.

Wild Turkey (Merriam's and Rio Grande subspecies)

Random brood counts were conducted on wild turkey populations from June 15-August 22. Indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Band-tailed Pigeon

There was no work conducted on this species during the segment.

White-tailed Ptarmigan

There was no work conducted on this species during the segment.

Sharp-tailed Grouse

Sharp-tailed Grouse dancing ground counts were conducted from March 15-May 15. Total cocks counted, average cocks per ground and percent change from 2000 for comparable grounds were determined on a county basis. New Sharptail dancing grounds were described and mapped during the segment as located. Random brood counts were conducted on Sharp-tailed Grouse populations from June 15-August 22. Indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

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, 2000. In June, 2000, 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 September, 2001, the project leader also presented DWR recommendations for 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.

Location of Work Performed: Statewide.

Actual Cost:

ANNUAL PERFORMANCE REPORT

State: UTAH

Grant Number: W-65-M

Segment: 50

Grant Title: Statewide Upland Game Management Surveys and Inventories

Grant Agreement Period: October 1, 2001 thru September 30, 2002

Abstract: This report identifies progress and accomplishments of Segment No. 50 objectives, October 1, 2001-Sept. 30, 2002.

Results of annual population surveys and inventories, and harvest surveys conducted during the segment W-65-M-50, as well as harvest surveys conducted under W-65-M-51, will be included in the Utah Upland Game Annual Report 2002. Data obtained in 2002 will be compared to 2001 and long-term averages.

The Federal Aid Annual Performance Report for W-65-M-49 will be included in the Utah Upland Game Annual Report 2002, 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 2000 Utah Upland Game Annual Report (includes survey and inventory data from W-16-RD-4 and harvest data from W-16-RD-4 Amendment #3) will be published by June 2003. The 2001 Utah Upland Game Annual Report (includes survey and inventory data from W-16-RD-4 Amendment #3 and W-65-M-49 and harvest data from W-65-M-50) will be published by August 2003. The 2002 Utah Upland Game Annual Report (includes survey and inventory data from W-65-M-50 and harvest data from W-65-M-51) will be published by October 2003.

Project 1. Surveys and Inventories:

Activity 1. Surveys and Inventories:

Surveys and inventories are needed to provide information that will be used for managing the wildlife program on an annual basis. Three types of surveys are conducted: population surveys/inventories, habitat surveys/inventories, and harvest/effort/opinion/pressure surveys.

Summary of Work Completed During The Segment For Activity:

Population Surveys and Inventories

Pheasant

Annual inventory procedures for Ring-necked Pheasants during the segment period in the past have included scattered crowing territory counts and summer roadside counts. Both techniques were eliminated from work plans this year as the data derived has been of little management decision use other than formulating hunting season forecasts. Pheasant crowing territory counts will continue to be used sporadically in areas where population assessments are needed to evaluate habitat enhancement projects.

Mourning Dove

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 in Utah. One count was made on each route between May 20-30, 2002. Total doves heard per route was up 18 percent from 2001 and total doves observed per route was up 352 percent from 2001.

Cottontail Rabbit (Desert and Mountain)

Historically, cottontail rabbit roadside counts were conducted over 24 permanent 30-mile routes between July 15 and August 22. Indices derived included rabbits per mile and young per 100 adults. A new comprehensive lagomorph survey that will capture data on cottontails as well as hares is being devised.

Forest Grouse (Blue and Ruffed)

Opportunistic brood counts were conducted on forest grouse populations from June 15-August 22. Indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Chukar Partridge

One ten-mile helicopter transect was flown in Utah's west desert in August, 2002 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.

Sage-grouse

Sage-grouse strutting ground counts were conducted from March 15-May 15. Total cocks counted, average cocks per ground and percent change from 2001 for comparable grounds were determined on a county basis. New sage-grouse strutting grounds were described and mapped during the segment as located. Random brood counts were conducted on sage-grouse populations from June 15-August 22. Indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Quail (California and Gambel's)

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

Hungarian Partridge

Random brood counts were conducted on Hun populations from June 15-August 22. Indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Snowshoe Hare

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.

Wild Turkey (Merriam's and Rio Grande subspecies)

Random brood counts were conducted on wild turkey populations from June 15-August 22. Indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort. Winter flock count surveys were conducted from December 1-March 1. Indices derived include male per female and young per adult.

Band-tailed Pigeon

There was no work conducted on this species during the segment.

White-tailed Ptarmigan

There was no work conducted on this species during the segment.

Sharp-tailed Grouse

Sharp-tailed Grouse dancing ground counts were conducted from March 15-May 15. Total cocks counted, average cocks per ground and percent change from 2000 for comparable grounds were determined on a county basis. New sharptail dancing grounds were described and mapped during the segment as located. Random brood counts were conducted on Sharp-tailed Grouse populations from June 15-August 22. Indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Harvest Surveys and Inventories

A telephone harvest survey was conducted in January to determine the harvest of upland game birds, cottontail rabbit, and snowshoe hare. Separate written harvest questionnaires were postal-mailed to all ptarmigan (October), Band-tailed Pigeon (October), sharp-tailed grouse (November) and wild turkey (June) permittees. Indices derived from both surveys include total hunters, hunter-days, total harvest and hunter success per day, plus success for each season.

Mourning Dove and sage-grouse hunters were checked at checking stations, and random field checks were made during each upland game 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 Mourning Doves and sage-grouse using wing samples collected at checking stations.

Project 2. Recommendations and Management Plans:

Activity 1. Recommendations:

Recommendations are needed to translate the biological data and information collected in Project 1 into management actions to achieve wildlife population objectives and to provide diverse wildlife recreation opportunities.

Summary of Work Completed During The Segment For Activity:

Utah Division of Wildlife Resources (DWR) personnel met in April to formulate harvest recommendations for fall upland game seasons. DWR recommendations were presented at five 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 2002-2003, 2003-

2004 and 2004-2005 Utah Upland Game Proclamations. A three-year Upland Game Proclamation was adopted by the Utah Wildlife Board.

In August and September, the project leader also presented recommendations for limited entry turkey hunting unit permits to five 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.

Activity 2. Management Plans and Management Systems:

Management plans and management systems are needed to provide measurable objectives for species and species group management on a statewide and unit level; provide a means to assess the success of the wildlife management program; and provide a system to delineate what data are needed to make decisions, what triggers will lead to which decisions, and what data is not needed to manage particular wildlife populations.

Summary of Work Completed During The Segment For Activity:

Statewide management plans were completed for sage-grouse and the Columbian Sharp-tailed Grouse in June. Work began on a statewide Chukar Partridge Management Plan which will be completed during the next segment.

Project 3. Technical Guidance and Information:

Activity 1. Wildlife Technical Assistance:

Wildlife technical assistance is needed to review proposed projects by government agencies, private companies and private landowners and provide technical advice to help mitigate effects on wildlife resources.

Summary of Work Completed During The Segment For Activity:

Throughout the segment, the project leader as well as DWR regional personnel met with government agencies, private companies, private landowners and others to make sure that upland game (i.e., habitat and populations) were considered in any planned activities. Technical guidance was provided to: assist in development and planning with other agency programs; inform landowners and other agencies of techniques and procedures that can be used to sustain and enhance upland game; and assist landowners and other agencies in recognizing the importance of upland game in sustaining quality wildlife resources.

Activity 2. Wildlife Habitat Technical Assistance:

Wildlife habitat technical assistance is needed to plan and coordinate the implementation of wildlife habitat restoration and enhancement projects.

Summary of Work Completed During The Segment For Activity:

Throughout the segment, the project leader as well as DWR regional personnel:

- 1) provided upland game management input into habitat management plans on state wildlife management areas;
- 2) provided input into monitoring and evaluating habitat projects for success and effectiveness related to upland game species;
- 3) provided technical assistance on upland game habitat management to other DWR personnel, other state agencies, federal agencies, conservation organizations and landowners; and
- 4) informed and educated private landowners about upland game habitat management practices.

Project 5. Statewide Wildlife Administration:

Activity 1. Administration and Training:

Statewide wildlife administration is needed to supervise, coordinate, administer and evaluate the wildlife management program; maintain offices and facilities necessary for the completion of studies and projects to protect and enhance Utah's wildlife resources; and provide training for wildlife management staff to maintain and improve competency as wildlife professionals.

Summary of Work Completed During The Segment For Activity:

The Project Leader maintained communications with the Regional Wildlife's Managers and other Wildlife Section personnel and continued trying to standardize and improve various monitoring, data analysis and reporting formats.

The Project Leader developed statewide priorities for upland game management and conservation programs and relayed that information to the regions through the annual work planning process. In turn, regional personnel implemented upland game management and conservation programs through.

The Project Leader kept Federal Aid documents current and submitted reports and renewal papers to the Federal Aid Coordinator within the time frames prescribed.

The Project Leader communicated with other sections within DWR, other governmental agencies, organizations, media, and the public.

The Project Leader provided several presentation to a variety of organizations, agencies and businesses on upland game management.

Routine administrative reports and documents were completed in a timely manner.

Acquired and/or maintained equipment, office space and facilities necessary to efficiently complete administrative duties associated with studies and projects covered under the upland game program. Planned for the replacement of equipment that is worn out or out-dated.

Administered upland game budget.

Attended professional meetings and a variety of professional trainings.

Location of Work Performed: Statewide.

Actual Cost:

ANNUAL PERFORMANCE REPORT

State: UTAH

Grant Number: W-65-M

Segment: 51

Grant Title: Wildlife Management Program

Grant Agreement Period: January 1, 2003 thru September 30, 2003

Abstract: This report identifies progress and accomplishments of Segment No. 50 objectives, October 1, 2001-December 31, 2002.

Due to an under-expenditure of funds in the grant, the period of the grant segment was extended from September 30 to December 31. The under-expenditure was the result of staffing cut-backs in the Division to address a reduction in restricted funds and poor estimates of expenditures under some of the projects during the first segment of this revised grant. Amendments have been made to the grant proposal and agreement to adjust spending levels and allowable expenses and an additional amendment will be offered during this segment.

Detailed results of annual population surveys and inventories and harvest surveys conducted during the segment W-65-M-50 will be included in the Annual Reports for Upland Game, Waterfowl, Furbearers, Cougar, Bear, and Big Game which are appendices to this report and will be provided at a later date. Data obtained in 2001 and 2002 will be compared to previous years and long-term averages. The data has been obtained and used to make management recommendations but the published reports are behind schedule due to staffing vacancies and extended training for the new biometrician. The Annual Reports in preparation will summarize all data collected since the last reports were published. The Annual Reports will be published by October 2003.

Annual population surveys and inventories and harvest surveys for one management cycle are frequently conducted during more than one segment. The Annual Reports are an attempt to summarize population survey and inventory data and harvest estimates for the same management year. This reporting scheme may seem awkward, especially when one compares an Annual Report and to the Federal Aid Annual Performance Report included for a segment that ended before harvest survey data was actually collected. However, this reporting scheme makes the most sense from biological and management perspectives so it is recommended that the reporting scheme remain the same for the next segment.

One other item anticipated for completion for the first segment of this new combined wildlife grant is behind schedule. The grant calls for preparing a techniques manual documenting all of the survey and inventory techniques employed by the Division. The staff member assigned to prepare this manual moved to another state. Due to funding shortfalls we have been unable to fill this position. Techniques used by regional staff are briefly described in work plan narratives prepared by each program coordinator. The work plan narratives are translated into work programs for each region. A copy of these work plan narratives is attached (Appendix I).

Project 1. Surveys and Inventories:

Activity 1. Surveys and Inventories:

Surveys and inventories are needed to provide information that will be used for managing the wildlife program on an annual basis. Three types of surveys are conducted: population surveys/inventories, habitat surveys/inventories, and harvest/effort/opinion/pressure surveys. The summary of work completed is presented by program area.

Summary of Work Completed During The Segment For Activity:

UPLAND GAME

Population Surveys/Inventories

Ring-necked Pheasant. Pheasant observation (March and April) and crowing territory counts (May and June) were conducted on four transects in Emery County beginning in early March and ending in early June. Each transect was one square mile in size, one-quarter mile wide and four miles in length. A total of six male and five female pheasants were seen during the early March and early April observation counts. A total of 12 male and 11 female pheasants were seen during the early March and early April observation counts in 2002. A total of 83 male pheasants were heard crowing during the early May and early June crowing territory counts. A total of 80 male pheasants were heard crowing during the early May and early June crowing territory counts in 2003. Crowing territory counts will continue to be used sporadically in areas where pheasant population assessments are needed to evaluate habitat enhancement projects.

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 scattered throughout Utah. One count was made on each route between May 20-30, 2003. Total doves heard per route was down four percent from 2002 and total doves observed per route was down 54 percent from 2002.

Cottontail Rabbit. Historically, roadside counts were conducted three times over 24 permanent, 30-mile routes scattered throughout Utah between July 15 and August 22. Indices derived included cottontail rabbits per mile and young per 100 adults. The traditional roadside count survey, focused on cottontail rabbits only, has been phased out gradually over the past five years. A new comprehensive lagomorph survey, that will capture data on cottontail rabbits as well as hares, is being devised primarily through the Nongame Mammals management program. Further development of the comprehensive lagomorph survey was placed on hold during the segment as a result of the pressing need to develop and implement pygmy rabbit-specific surveys.

Forest Grouse (Blue and Ruffed). No opportunistic brood counts were conducted on forest grouse populations from June 15-August 22. When counts are conducted, indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Chukar Partridge. One eight square mile helicopter transect was flown in Utah's west desert on August 22, 2003 to determine Chukar Partridge population densities. This survey began in 1996. Indices derived include chukars per square mile and chukars per survey hour. This survey is flown only in Utah's west desert. In 2003, there were 29.8 chukars per square mile observed compared to 4.5 chukars per square mile observed in 2002. In 2003, there were 178.9 chukars observed per survey hour compared to 22.2 chukars observed per hour in 2002. Data derived from this survey is used in compiling a fall hunt forecast for chukars.

Sage-grouse (Greater and Gunnison). Sage-grouse strutting ground (lek) counts were conducted from March 15-May 15. Indices include total maximum cocks counted and average cocks per strutting ground. In 2003, a total of 216 strutting grounds were counted compared to 188 strutting grounds counted in 2002. A total of 2,830 cocks were counted on strutting grounds in 2003 compared to 2,774 cocks counted in 2002. Average cocks per strutting ground was 13.1 in 2003 compared to 14.8 in 2002. Approximately eight new sage-grouse strutting grounds were described and mapped during the segment as located in the Northern Region.

Random brood counts were conducted on sage-grouse populations only in Wayne County from June 15-August 22. Indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort. Mean brood size in 2003 was 4.2. There were 101 young per 100 adults and 1,896 birds observed per 100 hours of effort. Sage-grouse random brood counts are only conducted sporadically and are used to compile local area hunt forecasts.

Gambel's Quail. The long-period waterhole count survey is conducted from July 1-August 5. A total of 33 broods were observed comprised of 59 adults and 254 young. Mean brood size in 2003 was 4.3. There were 430 young per 100 adults.

California Quail. No opportunistic random brood counts were conducted on California Quail from June 15-August 22. When counts are conducted, indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Gray Partridge. No opportunistic random brood counts were conducted on Gray Partridge from June 15-August 22. When counts are conducted, indices derived include mean brood size, young per 100 adults and birds observed per 100 hours of effort.

Snowshoe Hare. A new comprehensive lagomorph survey, that will capture data on snowshoe hares as well as rabbits, is being devised primarily through the Nongame Mammals management program. Further development of the comprehensive lagomorph survey was placed on hold during the segment as a result of the pressing need to develop and implement pygmy rabbit-specific surveys.

Turkey. Winter flock count surveys are conducted from December 1-March 1. Indices derived include male per female and young per adult. This survey is new in Utah and there have been difficulties among field biologists in identifying young of the year from adults during the survey. Some limited video training has been offered, but the young per adult index might need to be dropped. Data derived from this survey will be used in a wild turkey harvest management strategy that has been drafted, but not yet finalized.

Columbian Sharp-tailed Grouse. Dancing ground (lek) counts were conducted from March 15-May 15. Indices include total maximum birds counted and average birds per dancing ground. In 2003, a total of 71 dancing grounds were counted compared to 54 dancing grounds counted in 2002. A total of 606 birds were counted on dancing grounds in 2003 compared to 215 birds counted in 2002. Average birds per dancing ground was 8.5 in 2003 compared to 4.0 in 2002. In 2003, 19 new sharptail dancing grounds were described and mapped during the segment as located.

Band-tailed Pigeon. Breeding Bird Surveys provide the only population survey/inventory on Band-tailed Pigeons in Utah. A Four Corners Population of Band-tailed Pigeons Management Plan was completed in 2001 by the Four Corners Band-tailed Pigeon Subcommittee of the Pacific Flyway Study Committee. The Four Corners Band-tailed Pigeon Subcommittee is currently working collectively to test techniques with the greatest likelihood of success in an effort to reliably monitor population size and annual change.

White-tailed Ptarmigan. No population surveys/inventories are currently conducted on the White-tailed Ptarmigan in Utah.

Harvest/Effort/Opinion/Pressure Surveys

A general telephone harvest survey was conducted in January, 2003 to determine the harvest of most upland game birds, cottontail rabbit, and snowshoe hare for 2002 seasons. Separate telephone harvest surveys were conducted for White-tailed Ptarmigan (October), Band-tailed Pigeon (October), Greater Sage-grouse (October), Columbian Sharp-tailed Grouse (November) and wild turkey (June). Indices derived from surveys included total hunters, hunter-days, total harvest and hunter success per day, plus success for each season. Statewide harvest projections based upon survey responses include: Ring-necked Pheasant 40,048; Mourning Dove 108,052; Band-tailed Pigeon (data to be derived); Chukar Partridge 25,292; Greater Sage-grouse 512; Blue Grouse (data to be derived); Ruffed Grouse (data to be derived); Quail 5,507; Gray Partridge 4,520; wild turkey 784; Columbian Sharp-tailed Grouse 46; White-tailed Ptarmigan (data to be derived), cottontail rabbit 35,319 and snowshoe hare 239.

Hunter field bag check/checking station data was collected in September, during hunting season opening weekends in Box Elder and Cache counties for forest grouse, Chukar Partridge, Greater Sage-grouse and Gray Partridge. Data are not yet summarized.

BIG GAME

Big Game Harvest Survey - License sales reported by the Division's Licensing Section through July are utilized as the basis for sampling hunters and projecting hunters afield, harvest, hunter days and units hunted. This data is obtained from telephone surveys, mailed questionnaires and field check station data. Limited draw permit harvest information was collected from questionnaire mailings as well as telephone surveys. General season permit harvest was collected by telephone survey of a random sample of permit holders. Field check stations were used to derive age composition and condition of harvested animals as well as trends in harvest success at specific check station locations. Data from 2000-2001 is detailed in the 2001 Big Game Harvest Report (Appendix II). Results for deer and elk for 2001-2002 and 2002-2003 are summarized in the Big Game Proclamation (Appendix III).

Population Composition Surveys - Regional biologists and conservation officers collect specific classification data on the respective species found in their areas of responsibility. Aerial (fixed wing and helicopter) and ground surveys provide the classification by sex and general age class. Aerial surveys also provide population estimates for some big game species.

Deer. Herd composition counts were conducted on each herd unit during post-season and spring classification periods. The post-season number of fawns per 100 does decreased from 53 in 2001 to 44 in 2002. Herd composition counts and harvest data are used in population models to estimate herd size. The estimated post-season deer population decreased from 309,000 in 2001 to 280,000 in 2002.

Elk. Helicopter aerial surveys are conducted on elk herds in the state every two to three years. Herd composition ground count surveys are also conducted on units not surveyed by helicopter. Calf production remained stable or decreased slightly on most units in the state during this period. Aerial surveys, composition counts and harvest data are used in population models to estimate herd size. The estimated post-season elk population in Utah was 60,150 in 2001 and 60,595 in 2002.

Pronghorn. Aerial surveys are conducted on most pronghorn units in the state every two to three years. Severe drought conditions have resulted in fewer pronghorn counted on most units. The number of pronghorn hunting permits was reduced by 20% in 2003 to reflect a corresponding decrease in population size.

Moose. Moose populations are surveyed concurrently with helicopter elk surveys. The moose population has remained stable in Utah for the past few years. The statewide moose population was estimated at 3400 animals in 2000 and was estimated to be the same in 2002.

Bighorn Sheep. Bighorn sheep populations are surveyed every two to three years by helicopter. During this segment, most populations were surveyed. The statewide population estimate based on helicopter surveys was 4200 bighorn sheep in 2002. Most bighorn populations expanded dramatically during the last decade but have become more stable in recent years.

Rocky Mountain Goats. All populations are surveyed by helicopter every two to three years with the exception of the Beaver Unit which is surveyed every year by ground. During this segment, the Wasatch Mountains and Beaver units were surveyed. A total of 435 goats were observed on the Wasatch Mountain units and 111 goats were observed on the Beaver unit in 2002.

Bison. The Henry Mountains bison population is the only herd managed by the Division of Wildlife Resources. This herd is surveyed once each year by helicopter to obtain herd size and composition information. A total of 392 bison were observed on the 2002 census. The herd is currently stable and is near the post-season population objective of 275 adults and yearlings.

Other investigative studies conducted to aid in the completion of the management program include ocular range studies, game-counting trend studies, preseason, postseason and spring classification counts, classification of harvest and highway mortality.

Disease monitoring was carried out for big game. Upon the discovery of chronic wasting disease near Craig, Colorado on the west slope of the Rocky Mountains, a surveillance and management plans for CWD were developed (Appendix III). Brain samples were collected, using accepted protocol, from suspect deer and elk (targeted surveillance) and a sample of hunter harvested and road-killed deer and elk as described in the plan. Samples were analyzed at Utah State University using IHC and suspect positives were submitted to the APHIS Laboratory in Ames Iowa for Confirmation. A total of 1464 samples were obtained, of which 1080 provided usable test results. One CWD positive mule deer killed by a hunter was detected near Vernal, Utah (management unit 9). A detailed report on the 2002 testing will be prepared and posted on the DWR website during the next segment.

In addition to CWD surveillance, the collection of sick and dead deer revealed an outbreak of epizootic hemorrhagic disease (EHD) in deer near Monticello, Utah. This was the second year this disease was found in Utah, the first being in 2001 near the south entrance to Zion National Park.

WATERFOWL

The population and harvest surveys, and banding activities were completed as proposed. Discussions and summary tables are completed and attached (Appendices IVa & IVb).

MAMMALS

Surveys of black bear populations focused on monitoring the reproduction and success of a sample of adult female bears that were captured and marked with radio collars, limited surveys of the abundance and distribution of primary bear foods, and monitoring sex and age composition of legal harvests and extra-legal kills. During the segment, 21 bears were radio-collared in the Book Cliffs study site in conjunction with long-term studies contracted through Brigham Young University. Four additional female bears were radio-collared elsewhere in the Southeast Region by regional staff. Dens of all radio-monitored bears were visited to document reproduction in February-March 2002. One of 10 breeding females in the Book Cliffs study, and 0 of the 4 breeding females monitored elsewhere in the Southeast Region produced cubs during the winter of 2002. In the Southeast Region, field personnel conducted surveys of the abundance and distribution of several plant species known to be important sources of food for black bears during July-September 2002. DWR staff examined every hunter-killed bear during the period and collected information on gender, location and date of kill. A premolar tooth was removed for subsequent laboratory analysis of annuli to produce an estimate of each animal's age in years. The same data is collected from all bears killed to control nuisance, damage, and livestock depredation conflicts, and from bears that die from vehicle strikes. These data collections are used to estimate survival and monitor trends in bear populations, and they form the basis for annual harvest recommendations designed to maintain bear numbers within management objectives. The Division collected 97 premolars from the 159 bear mortalities recorded during 2002, including 84 hunter-harvested bears and 75 mortalities from other sources (chiefly bears killed by Wildlife Services to reduce livestock depredation). Survival of adult bears (>1 year of age) was calculated at 0.83 using the Chapman-Robson model (n=93; 95% C.I.=0.80-0.86). Four bear food index surveys were initiated in the

Cougar populations are also monitored by a combination of localized intensive telemetry studies and statewide collections of information from hunter harvests and from cougars that die of extra-legal causes. Through a contract with Utah State University, cougars were captured on the Oquirrh Mountains and on the Monroe Mountain study sites, and monitored throughout this reporting segment. Two study cougars were also fitted with GPS transponders to more closely monitor their movements and document predation events. In addition, Division personnel examined every hunter-killed cougar to collect information on gender, location and date of kill. The same data was collected from all cougars killed to protect livestock or for public safety reasons, and from cougars dying in accidents. A premolar

tooth was removed from each animal to provide an estimate of its age in years. These data sets are compared to criteria established in the cougar management plan to develop annual harvest recommendations designed to maintain cougar harvests within management objectives. The telemetry studies are not being conducted with federal aid funds but the Division is providing technical assistance. During the 2002 cougar season, the Division collected 364 premolars from 412 cougar mortalities, including 393 hunter-harvested cougars and an additional 19 cougars that died as a result of animal damage control, accidents, or vehicle strikes. Survival of adults (>1 year of age), calculated using the Chapman-Robson model, was 0.60 during 2002 (n=283; 95% C.I.=0.57-0.64).

Following each furbearer season, a mail survey is sent to every individual that purchases a furbearer license. These annual surveys provide data for monitoring trends in furbearer populations and hunting/trapping effort. The 2001-2002 postseason survey was conducted from March- July 2002. Surveys were completed by 419 furbearer license holders, or 25% of the 1,680 furbearer permit sales for 2001-2002. Statewide harvest projections based upon survey responses include: 7,406 red fox, 1,640 gray fox, 249 kit fox, 6,848 coyote, 2,739 beaver, 14,222 muskrat, 7,891 raccoon, 617 badger, 108 marten mink, 642 weasel, 5,301 skunk, and 176 ring-tailed cat.

In addition to the general furbearer harvest survey, bobcat and marten harvests are monitored through mandatory tagging of pelts. Division personnel collected information on gender, location and date of kill for each bobcat and marten pelt presented for tagging during the segment. Legally, the lower jaw of each harvested bobcat and marten must be removed to yield a tooth (canine from bobcat; premolar from marten) for subsequent determination of age. Bobcat teeth from the 2001-2002 season (n=1452) were processed during this segment; subsequent statewide analysis indicates annual kitten survival rates of 0.39 and adult survival of 0.67. Marten teeth will be processed during spring 2003.

AVIAN

West Nile virus (WNV) moved quickly across the United States, triggering a concern for its impact on bird populations. Avian program staff prepared a protocol for screening dead birds for susceptibility to WNV and appropriateness for testing. Division staff fielded dead bird calls referred from a variety of sources and collected the birds for testing. Testing of birds was conducted by the Utah Department of Health laboratory. Division personnel collected about 55 dead birds, of which 30 (55%) were suitable for testing. All were determined to be negative for WNV. Utah was one of only 4 states in the continental U.S. to not have a confirmed case in wild birds, sentinel chickens, livestock or humans in 2002. For 2003, we examine options to modify the sampling procedure so that a higher percentage of the birds collected can provide a useable sample for testing.

PRIVATE LANDS/PUBLIC WILDLIFE

A survey to measure attitudes, satisfaction and willingness to pay of CWMU big game hunters was coordinated. The survey was carried out by Utah State University and was not funded by Federal Aid. Although the survey itself was not funded by federal aid, a copy of the final report will be submitted when complete.

BIOMETRICIAN

The biometrician developed a survey procedure to validate the harvest success provided by deer hunters on surveys using field checks of hunters on the last day of the season. The license number and success of the hunter was recorded. A sample of these hunters will be contacted using our standard telephone harvest survey. Their responses will be compared to the field data collected in the fall of 2002. The analysis will be completed during the next segment. All other survey and inventory work conducted by biometrician is reported under individual programs.

SECTION ADMINISTRATION

A survey to measure attitudes, opinions, preferences and behaviors of elk hunters was coordinated by the project leader and carried out by Utah State University. The survey was not funded. Although the survey itself was not funded by Federal Aid, a copy of the final report is attached (Appendix VI).

All other survey and inventory assistance provided by the project leader and staff is reported under individual programs.

Project 2. Recommendations and Management Plans:

Activity 1. Recommendations:

Recommendations are needed to translate the biological data and information collected in Project 1 into management actions to achieve wildlife population objectives and to provide diverse wildlife recreation opportunities. The summary of work completed is presented by program area.

Summary of Work Completed During The Segment For Activity:

UPLAND GAME

A three-year Upland Game Proclamation was adopted by the Utah Wildlife Board in 2002 (Appendix VII). As such, there was no need for Utah Division of Wildlife Resources (DWR) personnel to meet in the spring to formulate harvest recommendations for fall upland game seasons.

In September, the project leader presented recommendations for spring 2004 limited entry turkey hunting unit permits to five 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 (Appendix IX). A total of 1,370 turkey permits (1,143 public; 227 landowner) were authorized for spring 2004 seasons.

BIG GAME

Deer and Elk. Survey and population data are used to construct population models. Survey data and population models are then examined in relation to herd objectives found in unit management plans. Most deer units in the state are far below population objectives. Although, most deer herds are reaching buck:doe ratio objectives. Most elk herds in the state are near population objectives and are meeting or exceeding bull age class and ratio objectives outlined in management plans. Recommendations for 2002 and 2003 hunting season were based on analysis of survey and inventory data collected during this segment.

Other Big Game. Aerial survey and inventory data the main sources of information which are analyzed to make harvest recommendations. Biologists examine these data in relation to management plans to determine hunt areas and permit numbers.

Recommendations for Big Game are detailed in the Big Game Proclamation (Appendix II) and Antlerless Addendum (Appendix X).

WATERFOWL

The program coordinator prepared recommendations for cranes, swans and waterfowl and presented them to the public. Proclamations implementing the recommendations were adopted by the Wildlife Board after public input (Appendix XI).

MAMMALS

Annual harvest recommendations for black bear, cougar, and furbearers were made following review of data collected under Project 1. During this segment, the Division presented recommendations to the 5 Regional Advisory Councils (RAC) and the Wildlife Board for the 2002 and 2003 bear seasons. Each year's harvest recommendations were based upon comparisons of annual data collections to criteria established in the Bear Management Plan, adopted by the Wildlife Board in 2000. In each instance, the Wildlife Board approved the Divisions recommendations with only minor revisions (Appendix XII).

Following a similar process, data from the 2000-2001 cougar season, extra-legal deaths, and ongoing population studies were evaluated in conjunction with historic harvest collections to formulate harvest recommendations for the 2002-2003 cougar season. The statewide recommendation was a compilation of recommendations for individual management units, using criteria established in the Cougar Management Plan, completed in 1999. The Division's recommendations were presented to the RACs and the Wildlife Board, and were adopted with minor revision (Appendix XIII). These recommendations were largely based upon harvest-specific criteria applied to individual wildlife management units, and were designed to maintain cougar populations in concert with other land uses.

PRIVATE LANDS/PUBLIC WILDLIFE

DWR personnel and private landowners participating in Cooperative Wildlife Management Units (CWMU) in Utah jointly formulated recommendations for harvesting big game species on 1.8 million acres of private land. Recommendations were carried through the statewide public information and Regional Advisory Council processes during the fall and again in the spring. Fall recommendations resulted in 95 CWMU applications, 94 CWMUs were approved (9 new). There were 1,864 buck deer, 765 bull elk, 39 buck pronghorn and 83 bull moose permits approved and made available for hunters. During the spring, 47 CWMUs applied for and received 160 antlerless deer, 1405 antlerless elk, 75 doe pronghorn and 5 cow moose hunting permits.

During July and August, personnel accepted applications and made recommendations for the creation of two upland game and waterfowl hunting units on private land areas. The appropriate number of access permits; boundary signs and two Certificates of Registration for each of the private land hunting units were prepared and distributed to the private operators of each unit.

BIOMETRICIAN

The biometrician prepared several analyses for the big game recommendation process that evaluated the effectiveness of shortened seasons versus reduced hunting permits in meeting management objectives. The analyses were used to generate big game recommendations during the year.

SECTION ADMINISTRATION

The project leader met regularly with coordinators and regional staff to develop, modify, and finalize management recommendations. The project leader presented recommendations at public meetings when coordinators could not be present.

All other recommendations work is reported under the individual programs.

Activity 2. Management Plans and Management Systems:

Management plans and management systems are needed to provide measurable objectives for species and species group management on a statewide and unit level; provide a means to assess the success of the wildlife management program; and provide a system to delineate what data are needed to make decisions, what triggers will lead to which decisions, and what data is not needed to manage particular wildlife populations. The summary of work completed is presented by program area.

Summary of Work Completed During The Segment For Activity:

UPLAND GAME

A statewide management plan was completed for Chukar Partridge in August (Appendix ???).

BIG GAME

To date, statewide management plans have been completed for mule deer, elk, bighorn sheep, moose and mountain goats (Appendix XVII). All unit management plans for these species were reviewed and several were revised during this past year. A statewide management plan for pronghorn was drafted. Work began on a management plan for bison and a revision to the mule deer management plan.

A response plan for chronic wasting disease in Utah was prepared and approved. A surveillance plan and procedure was developed for CWD (Appendix IV).

MAMMALS

Criteria in the cougar and bear management plans were reviewed and evaluated for possible plan amendments in the future (Appendix XVIII). Work was initiated on a wolf management plan after the capture of a radio-collared wolf in Morgan County.

Predator management plans, prepared in accordance with DWR policy, were reviewed and revised.

PRIVATE LANDS/PUBLIC WILDLIFE

Cooperative Wildlife Management Units are required to address specific criteria for managing wildlife in individual units. A management plan template was designed and distributed to unit operators as part of a DWR effort to standardize plan formats and to improve the quality of CWMU management plans.

SECTION ADMINISTRATION

The project leader provided assistance with the preparation of all species and unit plans. The project leader assisted with planning for the preparation of a comprehensive wildlife conservation plan. Several meetings and training sessions were attended both within Utah and out-of-state.

All other management plan work is reported under the individual programs.

Project 3. Technical Guidance and Information:

Activity 1. Wildlife Technical Assistance:

Wildlife technical assistance is needed to review proposed projects by government agencies, private companies and private landowners and provide technical advice to help mitigate effects on wildlife resources. The summary of work completed is presented by program area.

Summary of Work Completed During The Segment For Activity:

UPLAND GAME

Throughout the segment, the coordinator, as well as DWR regional personnel, met with government agencies, private companies, private landowners and others to make sure that upland game (i.e., habitat and populations) were considered in any planned activities. Technical guidance was provided to: assist in development and planning with other agency programs; inform landowners and other agencies of

techniques and procedures that can be used to sustain and enhance upland game; and assist landowners and other agencies in recognizing the importance of upland game in sustaining quality wildlife resources.

BIG GAME

Throughout the segment, the coordinator as well as DWR regional personnel met with government agencies, private companies, private landowners and others to make sure that big game (i.e., habitat and populations) were considered in any planned activities. Technical guidance was provided to: assist in development and planning with other agency programs; inform landowners and other agencies of techniques and procedures that can be used to sustain and enhance big game; and assist landowners and other agencies in recognizing the importance of big game in sustaining quality wildlife resources.

WATERFOWL

Throughout the segment, the coordinator as well as DWR regional personnel met with government agencies, private companies, private landowners and others to make sure that waterfowl (i.e., habitat and populations) were considered in any planned activities. Technical guidance was provided to: assist in development and planning with other agency programs; inform landowners and other agencies of techniques and procedures that can be used to sustain and enhance waterfowl; and assist landowners and other agencies in recognizing the importance of waterfowl in sustaining quality wildlife resources.

MAMMALS

Personnel from the Salt Lake Office and from all Regional Offices provided technical guidance to other state agencies, federal agencies, and private organizations and citizens regarding the conservation of a wide range of mammal species. This guidance included considerations for maintaining sensitive mammal species in project planning efforts, and minimizing conflicts with mammals (especially bats, bears, cougars, prairie dogs and a variety of rodent species) around residences, ranches, grazing allotments and campsites.

PRIVATE LANDS/PUBLIC WILDLIFE

Throughout the segment, DWR personnel participated with private landowners and the private CWMU Association in discussing the management of big game species on private lands. The Private Lands-Public Wildlife Coordinator met with small groups of private landowners during the segment, informing them of the CWMU program and specific topics of wildlife management within units.

The DWR participated in a winter and a summer CWMU association meeting where program and wildlife management issues were discussed and solutions adopted. The summer meeting was co-hosted by DWR, and attended by approximately 60 private landowners and CWMU operators. Participants learned the DWR's capacity to assist in cooperative wildlife habitat projects on private lands. The DWR demonstrated habitat management equipment and processes.

The Private Lands-Public Wildlife Coordinator attended a workshop where he represented DWR's private land programs to a Western States Public Lands Group interested in the contribution of private land resources and cooperative wildlife management programs in Utah.

BIOMETRICIAN

Assistance was provided to coordinators, regions, and the section chief on sampling and data analysis.

SECTION ADMINISTRATION

The project leader provided technical assistance to a variety of agencies and entities on wildlife management in Utah.

Activity 2. Wildlife Habitat Technical Assistance:

Wildlife habitat technical assistance is needed to plan and coordinate the implementation of wildlife habitat restoration and enhancement projects. The summary of work completed is presented by program area. The summary of work completed is presented by program area.

Summary of Work Completed During The Segment For Activity:

We do not have a mechanism to track the number of agencies or individuals who were provided with technical assistance, which would number in the hundreds. The following discussion summarizes the types of assistance provided.

UPLAND GAME

Throughout the segment, the coordinator as well as DWR regional personnel:

- 1) provided upland game management input into habitat management plans on state wildlife management areas;
- 2) provided input into monitoring and evaluating habitat projects for success and effectiveness related to upland game species;
- 3) provided technical assistance on upland game habitat management to other DWR personnel, other state agencies, federal agencies, conservation organizations and landowners; and
- 4) informed and educated private landowners about upland game habitat management practices.

BIG GAME

Throughout the segment, the coordinator as well as DWR regional personnel:

- 1) provided big game management input into habitat management plans on state wildlife management areas;
- 2) provided input into monitoring and evaluating habitat projects for success and effectiveness related to big game species;
- 3) provided technical assistance on big game habitat management to other DWR personnel, other state agencies, federal agencies, conservation organizations and landowners; and
- 4) informed and educated private landowners about big game habitat management practices.

WATERFOWL

Throughout the segment, the coordinator as well as DWR regional personnel:

- 1) provided waterfowl management input into habitat management plans on state wildlife management areas;
- 2) provided input into monitoring and evaluating habitat projects for success and effectiveness related to waterfowl species;
- 3) provided technical assistance on waterfowl habitat management to other DWR personnel, other state agencies, federal agencies, conservation organizations and landowners; and
- 4) informed and educated private landowners about waterfowl habitat management practices.

MAMMALS

Technical guidance was provided on habitat improvement efforts for bats and Utah Prairie Dogs.

PRIVATE LANDS/PUBLIC WILDLIFE

The DWR participated in a winter and a summer CWMU association meeting where program and wildlife management issues were discussed and solutions adopted. The summer meeting was co-hosted by

DWR, and attended by approximately 60 private landowners and CWMU operators. Participants learned the DWR's capacity to assist in cooperative wildlife habitat projects on private lands. The DWR demonstrated habitat management equipment and processes.

SECTION ADMINISTRATION

The section chief serves on the DWR Habitat Council that reviews all habitat projects proposed by the Division. Wildlife input was provided on all projects. Sites where projects were conducted were viewed and evaluated.

Technical assistance was provided on wildlife habitat management during drought.

Project 4. Waterfowl Management Areas

Activity 1. Operations and Maintenance

Waterfowl management operations and maintenance is needed to maintain and operate DWR owned, leased and managed Waterfowl Management Areas (WMA's).

Summary of Work Completed During The Segment For Activity:

All work items scheduled for segment 50 were completed as proposed. Hunter survey information on WMA's is provided in a summary report (Appendix XIX).

Project 5. Statewide Wildlife Administration:

Activity 1. Administration and Training:

Statewide wildlife administration is needed to supervise, coordinate, administer and evaluate the wildlife management program; maintain offices and facilities necessary for the completion of studies and projects to protect and enhance Utah's wildlife resources; and provide training for wildlife management staff to maintain and improve competency as wildlife professionals.

Summary of Work Completed During The Segment For Activity:

UPLAND GAME

The Coordinator maintained communications with the Regional Wildlife's Managers and other Wildlife Section personnel and continued trying to standardize and improve various monitoring, data analysis and reporting formats.

The Coordinator developed statewide priorities for upland game management and conservation programs and relayed that information to the regions through the annual work planning process. In turn, regional personnel implemented upland game management and conservation programs. The coordinator communicated with other sections within DWR, other governmental agencies, organizations, media, and the public.

The coordinator provided numerous technical and popular presentations to a variety of organizations, agencies and businesses on upland game management.

Routine administrative reports and documents were completed in a timely manner.

The coordinator acquired and/or maintained equipment, office space and facilities necessary to efficiently complete administrative duties associated with studies and projects covered under the upland game program and planned for the replacement of equipment that is worn out or out-dated.

Administered upland game budget.

Attended professional meetings and a variety of professional trainings.

BIG GAME

The Coordinator maintained communications with the Regional Wildlife's Managers and other Wildlife Section personnel and continued trying to standardize and improve various monitoring, data analysis and reporting formats. The Coordinator developed statewide priorities for big game management and conservation programs and relayed that information to the regions through the annual work planning process. In turn, regional personnel implemented big game management and conservation programs.

The coordinator communicated with other sections within DWR, other governmental agencies, organizations, media, and the public. The coordinator provided several presentations to a variety of organizations, agencies and businesses on big game management.

Routine administrative reports and documents were completed in a timely manner.

The coordinator acquired and/or maintained equipment, office space and facilities necessary to efficiently complete administrative duties associated with studies and projects covered under the big game program and planned for the replacement of equipment that is worn out or out-dated.

The coordinator administered the big game budget.

The coordinator attended professional meetings and a variety of professional trainings and provided opportunities for regional staff to also attend professional training.

WATERFOWL

The Coordinator maintained communications with the Regional Wildlife's Managers and other Wildlife Section personnel and continued trying to standardize and improve various monitoring, data analysis and reporting formats. The Coordinator developed statewide priorities for waterfowl management and conservation programs and relayed that information to the regions through the annual work planning process. In turn, regional personnel implemented waterfowl management and conservation programs.

The coordinator communicated with other sections within DWR, other governmental agencies, organizations, media, and the public. The coordinator provided several presentations to a variety of organizations, agencies and businesses on waterfowl management.

Routine administrative reports and documents were completed in a timely manner.

The coordinator acquired and/or maintained equipment, office space and facilities necessary to efficiently complete administrative duties associated with studies and projects covered under the waterfowl program and planned for the replacement of equipment that is worn out or out-dated.

The coordinator administered the waterfowl budget.

The coordinator attended professional meetings and a variety of professional trainings and provided opportunities for regional staff to also attend professional training at workshops and flyway meetings.

MAMMALS

Mammal program communicated with other state and federal agencies to ensure that the interests of DWR were represented in the planning and execution of well-coordinated management programs. Program personnel attended several meetings and commented on ferret reintroduction and recovery plans, presented status reports on prairie dogs, and took a lead role in planning a multi-state conservation assessment for prairie dogs. An interagency meeting was held in central Idaho in May 2002 to establish a dialogue with BLM personnel, marking the beginning of an effort to conserve pygmy rabbits within the intermountain west. Soon after a gray wolf dispersed into Utah from the Yellowstone region in November 2002, Mammals Program personnel established a dialogue with both federal and state agencies, ensuring a coordinated approach to dealing with wolves in Utah. Division personnel also attended meetings to coordinate and help direct state-federal conservation programs for Utah prairie dogs and Canada lynx. In addition, Mammal Program staff provided oversight of harvest monitoring programs for black bear, cougar, and furbearers, including coordinating hunter orientation programs, improvement of field data collections, and the process of summarizing and redistributing data to Regional biologists.

Training of both Salt Lake and Regional staff continued during the segment. Through attendance of internal and external meetings, Division personnel obtained knowledge about new and developing management issues, improving their ability to respond to challenges in conservation programs.

PRIVATE LANDS/PUBLIC WILDLIFE

The coordinator provided several presentations to a variety of organizations, agencies and businesses on private lands/public wildlife management. Routine administrative reports and documents were completed in a timely manner.

The coordinator attended professional meetings and a variety of professional trainings and provided opportunities for regional staff to also attend professional training.

BIOMETRICIAN

The biometrician attended training in statistics and biometrics at Utah State University. He will complete a project to provide statistical and biometrics training using computer-based modules on statistics, sampling, and population modeling. Routine administrative reports and documents were completed.

SECTION ADMINISTRATION

Under the new consolidated grant, the section chief functions as the project leader. As such, the section chief monitored budgets, reviewed work and prepared amendments to the grant proposal and agreement. The Project Leader kept Federal Aid documents current and submitted reports and renewal papers to the Federal Aid Coordinator within the time frames prescribed.

The project leader acquired and/or maintained equipment, office space and facilities necessary to efficiently complete administrative duties associated with studies and projects covered under the upland game program and planned for the replacement of equipment that is worn out or out-dated.

The project leader coordinated and carried out work planning with the regions to ensure the priorities identified in the grant were completed. The project leader reviewed time and cost-accounting and carried out training of Salt Lake and regional staff to ensure only allowable charges were being made to the grant.

The project leader and staff attended professional meetings and a variety of professional trainings and provided opportunities for regional staff to also attend professional training.

Several general training opportunities were provided to wildlife staff including Utah Chapter of The Wildlife Society, the annual Wildlife Section meeting, riparian and shrub-steppe habitat evaluation and management and leadership training provided in conjunction with our annual awards event.

Location of Work Performed: Statewide.

Actual Cost:

Federal Aid Share	\$2,700,521.97
State Share (Cash)	\$ 894,192.63
State Share (In-kind)	\$ 6,399.69
Total State Share	\$ 900,592.32
Program Income	\$ 79,860.37
Total Cost	\$3,680,974.66

State share includes \$313.75 inadvertent underclaim.

Program income is from leases and easements on all Wildlife Restoration Act Federal Aid properties.

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 thirty-first Annual Upland Game Report. It is an annual performance report of information compiled during inventory and harvest surveys conducted under Federal Aid Project W-65-M-49, 50, and 51. 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 figures.

During 2001, a total of 45,150 sportsmen spent 334,655 days afield in pursuit of various upland game species, with the harvest totaling 283,469 animals (Table 1). During 2002, a total of 44,238 sportsmen spent 285,845 days afield in pursuit of various upland game species, with the harvest totaling 256,389 animals (Table 1). During 2003, a total of 48,261 sportsmen spent 290,288 days afield in pursuit of various upland game species, with the harvest totaling 289,408 animals (Table 1). 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.

Regulations for the 2001, 2002, and 2003 upland game hunting seasons are shown in Appendix C.

UPLAND GAME HARVEST SURVEYS

Harvest statistics were obtained from a random sample of licensed hunters by their response to a hunter-harvest phone survey. A random selection of upland game hunters were contacted each year by telephone 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.

In 2001, a total of 2,500 upland game hunters were randomly selected and telephoned for participation in the general upland game harvest phone survey. This represented a 3.12 percent sample of licensed hunters for the year 2001 (80,110). Of those hunters contacted, 1,091 purchased a license, but did not hunt upland game. By dividing the total of 80,110 eligible licensees by the number surveyed (2,500), a projection factor of 32.044 is derived.

In 2002, a total of 2,501 upland game hunters were randomly selected and telephoned for participation in the general upland game phone survey. This represented a 3.34 percent sample of licensed hunters for the year 2002 (74,858). Of those hunters contacted, 1,023 purchased a license, but did not hunt upland game. By dividing the total of 74,858 eligible licensees by the number surveyed (2,501), a projection factor of 29.931228 is derived.

In 2003, a total of 2,500 upland game hunters were randomly selected and telephoned for participation in the general upland game phone survey. This represented a 3.35 percent sample of licensed hunters for the year 2003 (74,615). Of those hunters contacted, 883 purchased a license, but did not hunt upland game. By dividing the total of 74,615 eligible licensees by the number surveyed (2,500), a projection factor of 29.846 is derived.

For each special permit species (Band-tailed Pigeon, Wild Turkey, White-tailed Ptarmigan, Sage-grouse, and Sharp-tailed Grouse), a percentage of permittees were randomly selected and telephoned for participation in phone surveys.

Table 1. Summary of harvest statistics from the telephone survey for 2001, 2002, and 2003.

Species	Hunters Afield	Total Harvest	Hunter-Days Afield	Bag Per Hunter-Day	Bag Per Hunter For Season
<u>2001</u>					
Pheasant	26,468	47,521	97,413	0.49	1.80
Mourning Dove	13,715	86,998	53,736	1.62	6.34
Band-tailed Pigeon	86	94	208	0.45	1.09
Chukar Partridge	7,338	22,941	29,032	0.79	3.13
Sage-grouse	1,242	1,182	2,552	0.46	0.95
Forest Grouse	14,260	49,412	64,632	0.76	3.47
Quail	3,140	12,528	10,894	1.15	3.99
Hungarian Partridge	2,596	6,889	9,933	0.69	2.65
Wild Turkey					
Merriam's	548	362	1,586	0.23	0.66
Rio Grande	769	529	2,791	0.19	0.69
Sharp-tailed Grouse	309	190	509	0.37	0.61
White-tailed Ptarmigan	114	61	200	0.31	0.54
Cottontail Rabbit	8,620	54,506	60,401	0.90	6.32
Snowshoe Hare	417	256	768	0.33	0.61
TOTALS	45,150*	283,469	334,655	--	--
<u>2002</u>					
Pheasant	22,149	40,048	76,178	0.53	1.81
Mourning Dove	13,619	108,051	50,644	2.13	7.93
Band-tailed Pigeon	58	67	188	0.36	1.16
Chukar Partridge	6,944	25,294	30,351	0.83	3.64
Sage-grouse	521	511	1,120	0.46	0.98
Forest Grouse	13,020	35,949	66,118	0.54	2.76
Quail	2,394	5,508	8,142	0.68	2.30
Hungarian Partridge	2,694	4,520	8,052	0.56	1.68
Wild Turkey					
Merriam's	622	303	2,322	0.13	0.49
Rio Grande	876	482	4,131	0.12	0.55
Sharp-tailed Grouse	71	46	102	0.45	0.65
White-tailed Ptarmigan	59	50	155	0.32	0.85
Cottontail Rabbit	7,483	35,320	36,994	0.95	4.72
Snowshoe Hare	658	240	1,348	0.18	0.36
TOTALS	44,238*	256,389	285,845	--	--
<u>2003</u>					
Pheasant	20,773	46,382	77,603	0.60	2.23
Mourning Dove	14,625	108,521	55,067	1.97	7.42
Band-tailed Pigeon	107	128	281	0.46	1.20
Chukar Partridge	8,118	37,007	31,696	1.17	4.56
Sage-grouse	767	1,017	1,494	0.68	1.33
Forest Grouse	15,669	31,997	48,021	0.67	2.04
Quail	2,537	9,254	9,463	0.98	3.65
Hungarian Partridge	2,656	8,030	11,283	0.71	3.02
Wild Turkey					
Merriam's	617	207	2,611	0.08	0.34
Rio Grande	810	501	3,720	0.13	0.62
Sharp-tailed Grouse	249	227	424	0.54	0.91
White-tailed Ptarmigan	114	22	185	0.12	0.19
Cottontail Rabbit	8,685	45,218	45,693	0.99	5.21
Snowshoe Hare	686	897	2,747	0.33	1.31
TOTALS	48,261*	289,408	290,288	--	--

*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 1994-2003.

Species	Year										
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Pheasant	36,705	38,391	41,854	37,622	35,130	36,211	41,074	26,468	22,149	20,773	
Mourning Dove	20,743	20,896	23,180	22,594	18,030	20,926	23,916	13,715	13,619	14,625	
Band-tailed Pigeon	13	59	37	58	68	49	53	86	58	107	
Chukar Partridge	8,455	9,097	10,197	9,665	9,283	14,388	14,056	7,338	6,944	8,118	
Sage-grouse	5,133	5,987	5,574	4,178	3,559	4,830	1,456	1,242	521	767	
Forest Grouse	9,827	10,088	15,492	10,206	9,166	16,941	24,338	14,260	13,020	15,669	
Quail	2,936	4,374	4,622	3,637	3,211	4,002	3,828	3,140	2,394	2,537	
Hungarian Partridge	1,899	2,294	2,299	2,328	2,350	6,211	3,349	2,596	2,694	2,656	
Wild Turkey											
Merriam's	285	296	320	339	309	327	396	548	622	617	
Rio Grande	105	123	166	229	254	413	615	769	876	810	
Sharp-tailed Grouse	--	--	--	--	235	332	364	309	71	249	
White-tailed Ptarmigan	4	20	12	18	45	34	65	114	59	114	
Cottontail Rabbit	12,709	13,840	14,470	12,263	10,585	15,475	15,797	8,620	7,483	8,685	
Snowshoe Hare	1,565	1,983	2,276	1,912	1,093	2,139	1,855	417	658	686	
Total Hunters*	49,518	55,159	57,401	54,125	50,740	55,553	54,716	45,150	44,238	48,261	

*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 1994-2003.

Species	Year										
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Pheasant	74.12	69.60	72.92	69.51	69.24	71.37	75.07	58.62	50.07	43.04	
Mourning Dove	41.89	37.88	40.38	41.74	35.53	41.24	43.71	30.38	30.79	30.30	
Band-tailed Pigeon*	0.03	0.11	0.06	0.11	0.13	0.10	0.10	0.19	0.13	0.22	
Chukar Partridge	17.07	16.49	17.76	17.86	18.30	28.36	25.69	16.25	15.70	16.82	
Sage-grouse*	10.37	10.85	9.71	7.72	7.01	9.52	2.66	2.75	1.18	1.59	
Forest Grouse	19.85	18.29	26.99	18.86	18.06	33.39	44.48	31.58	29.43	32.47	
Quail	5.93	7.93	8.05	6.72	6.33	7.89	7.00	6.95	5.41	5.26	
Hungarian Partridge	3.83	4.16	4.01	4.30	4.63	12.24	6.12	5.75	6.09	5.50	
Wild Turkey*											
Merriam's	0.58	0.54	0.56	0.63	0.61	0.64	0.72	1.21	1.41	1.28	
Rio Grande	0.21	0.22	0.29	0.42	0.50	0.81	1.12	1.70	1.98	1.68	
Sharp-tailed Grouse*	--	--	--	--	0.46	0.65	0.67	0.68	0.16	0.52	
White-tailed Ptarmigan*	0.01	0.04	0.02	0.03	0.09	0.07	0.12	0.25	0.13	0.24	
Cottontail Rabbit	25.67	25.09	25.21	22.66	20.86	30.50	28.87	19.09	16.92	18.00	
Snowshoe Hare	3.16	3.60	3.97	3.53	2.15	4.22	3.39	0.92	1.49	1.42	

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

Table 3. Percent of hunter trips resulting in failure to bag at least one bird, 1961-2003*.

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						
1962	500	2,685	19	39	456	9	147	362	41	--	--	--	--	--	--	62	201	31	36	108	33						
1963	795	3,317	24	53	691	8	248	550	45	220	468	47	188	281	67	71	305	23	59	177	33						
1964	911	3,115	29	60	681	9	266	568	47	45	154	29	144	229	63	94	316	30	62	150	41						
1965	1,165	4,009	29	--	--	--	486	851	57	82	168	49	225	311	72	128	371	34	93	233	40						
1966	1,242	4,297	29	136	1,067	13	523	881	48	54	131	41	133	331	40	106	315	34	63	219	29						
1967	1,353	4,833	28	153	1,319	12	477	915	52	138	266	52	194	475	41	161	424	38	116	315	37						
1968	1,422	5,223	27	236	1,312	18	495	1,095	45	185	449	41	177	665	27	171	457	39	132	347	28						
1969	1,897	5,335	36	214	1,568	14	647	1,250	62	241	648	37	273	656	42	182	465	39	148	292	51						
1970	1,546	4,686	33	193	1,274	15	466	962	48	257	603	43	209	666	31	126	314	40	101	210	48						
1971	1,783	5,049	35	210	1,333	16	464	934	50	234	625	37	223	673	33	162	385	42	87	210	41						
1972	1,743	4,617	38	270	1,421	19	457	827	55	259	593	44	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	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	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	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	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	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	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	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	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	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	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	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	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	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	36	61	59						
1987	863	2,837	30	140	1,047	13	194	537	36	90	307	29	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	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	53	108	49						
1990	988	2,745	36	161	1,234	13	282	632	45	162	483	34	233	810	39	54	132	41	46	117	39						
1991	1,062	2,461	43	205	1,301	16	309	608	51	198	461	43	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	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	75	110	68						
1994	889	2,088	43	230	1,180	19	278	481	58	148	292	51	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	54	123	44						
1996	742	2,259	33	173	1,164	15	225	526	43	119	255	47	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	53	118	45						
1998	542	1,773	31	141	869	16	175	454	39	65	163	40	160	802	20	42	143	29	32	105	30						
1999	854	2,503	34	315	1,339	24	341	946	36	135	298	45	260	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	98	179	55						
2001***	358	826	43	125	428	29	106	229	46	--	--	--	140	445	31	40	98	41	40	81	49						
2002	333	740	45	96	455	21	120	232	52	--	--	--	157	435	36	43	80	54	54	90	60						
2003	254	696	36	117	490	24	116	272	43	--	--	--	139	525	26	40	85	47	35	89	39						
Averages																											
(1961-2002)																											
			33				15				48				41				35				39				45

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

**Beginning in 2000, a special permit was required to hunt Sage-grouse.

***Beginning in 2001, hunting trip information was no longer collected; therefore, hunting trip numbers equal the number of hunters afield.

The upland game harvest survey is designed to monitor statewide harvest trends from year to year. The more extensively a species is hunted, the more accurately the survey measures the trend data. 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 survey is used. 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.

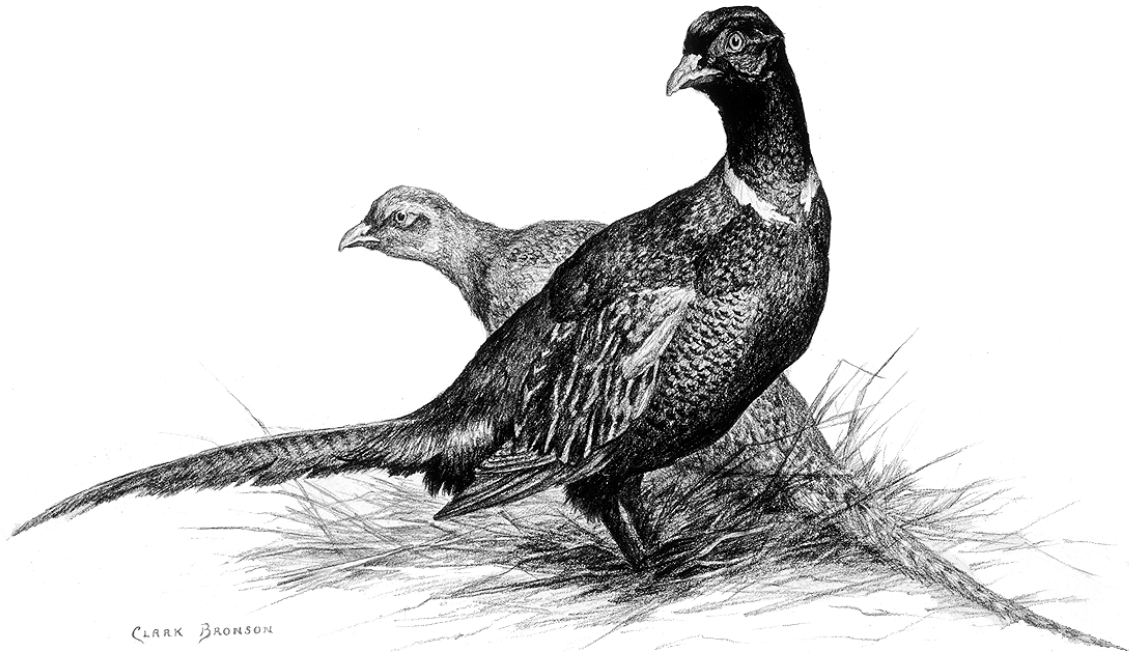
In the past, the mail questionnaires, used to obtain harvest information, tended to be returned more often by hunters who harvested successfully than by hunters who had been unsuccessful. This response bias violated the assumption that the survey sample is a completely random sample, and may have caused projections or harvest numbers to be over-estimated. To address this bias, beginning in 2001, telephone surveys replaced the mail questionnaires as the primary method of obtaining hunter harvest information. One telephone survey is used to obtain general upland game harvest information, and five separate telephone surveys are used for each of the special permit upland game species, mentioned above. Sample sizes are reduced with the use of the telephone surveys due to the ability to get more random samples and acquire more clear and consistent data. To confirm the bias associated with the mail questionnaires, mail surveys and telephone surveys were conducted in 2001 and 2002 to obtain Sage-grouse and Sharp-tailed Grouse harvest information. The mail questionnaires returned higher harvest estimates than the telephone surveys for both species, both years. Therefore, only the harvest information obtained from the telephone surveys is used in this annual report.

The annual harvest report is sometimes criticized for being inaccurate and without value. However, report users must recognize that the accuracy of the survey is based on some basic assumptions. These assumptions are: (1) the survey sample is a completely random sample, (2) respondents clearly understood the question, (3) respondents recorded or remembered data accurately, and did not guess or lie, and (4) respondents correctly identified the species hunted. If 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.

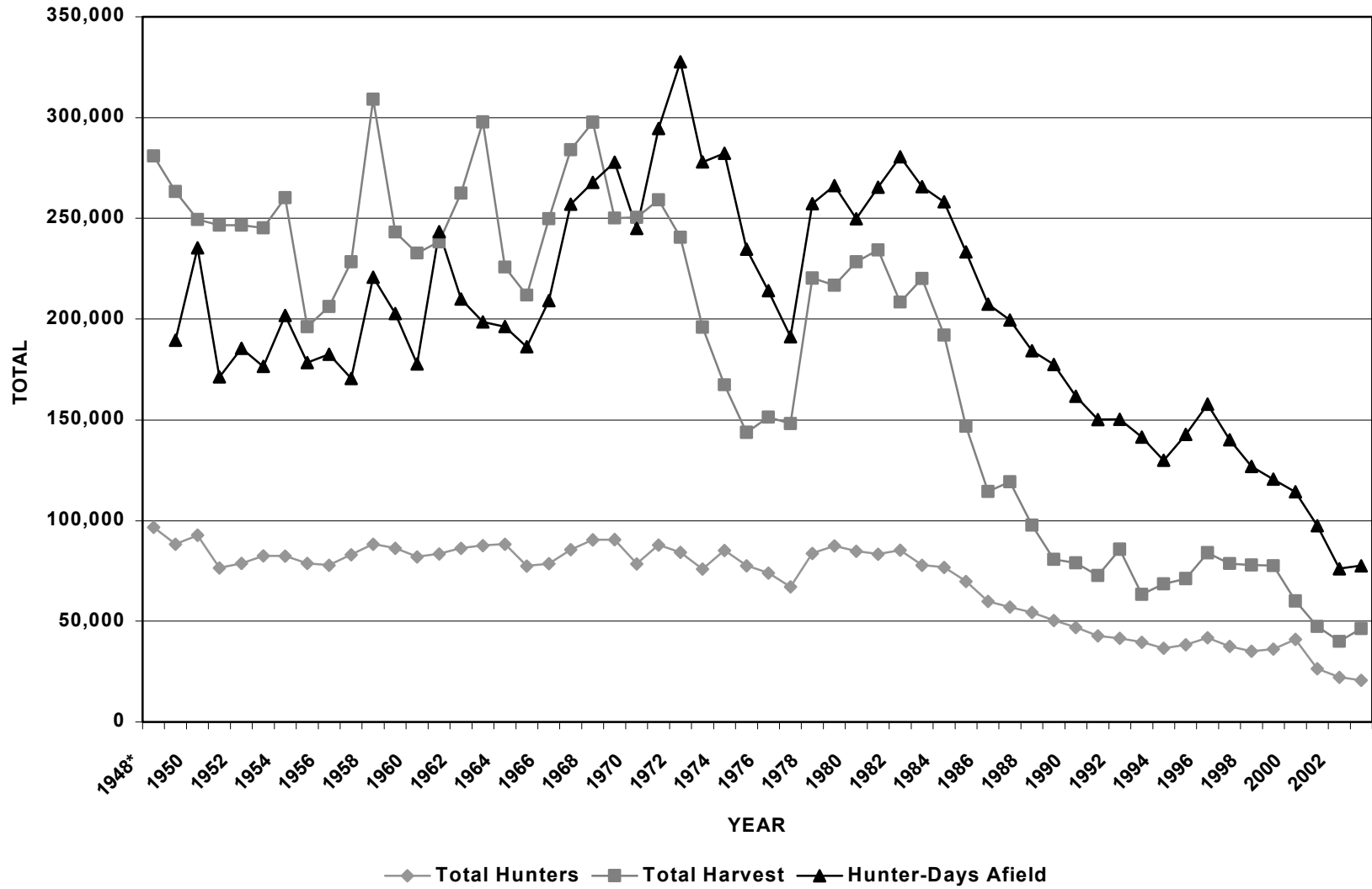
Presently, the Upland Game Annual Report contains the best data available and therefore constitutes the basic facts of upland game management. Although this report has its limitations, the trend data is valuable in making professional judgments regarding upland game populations and harvest.

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



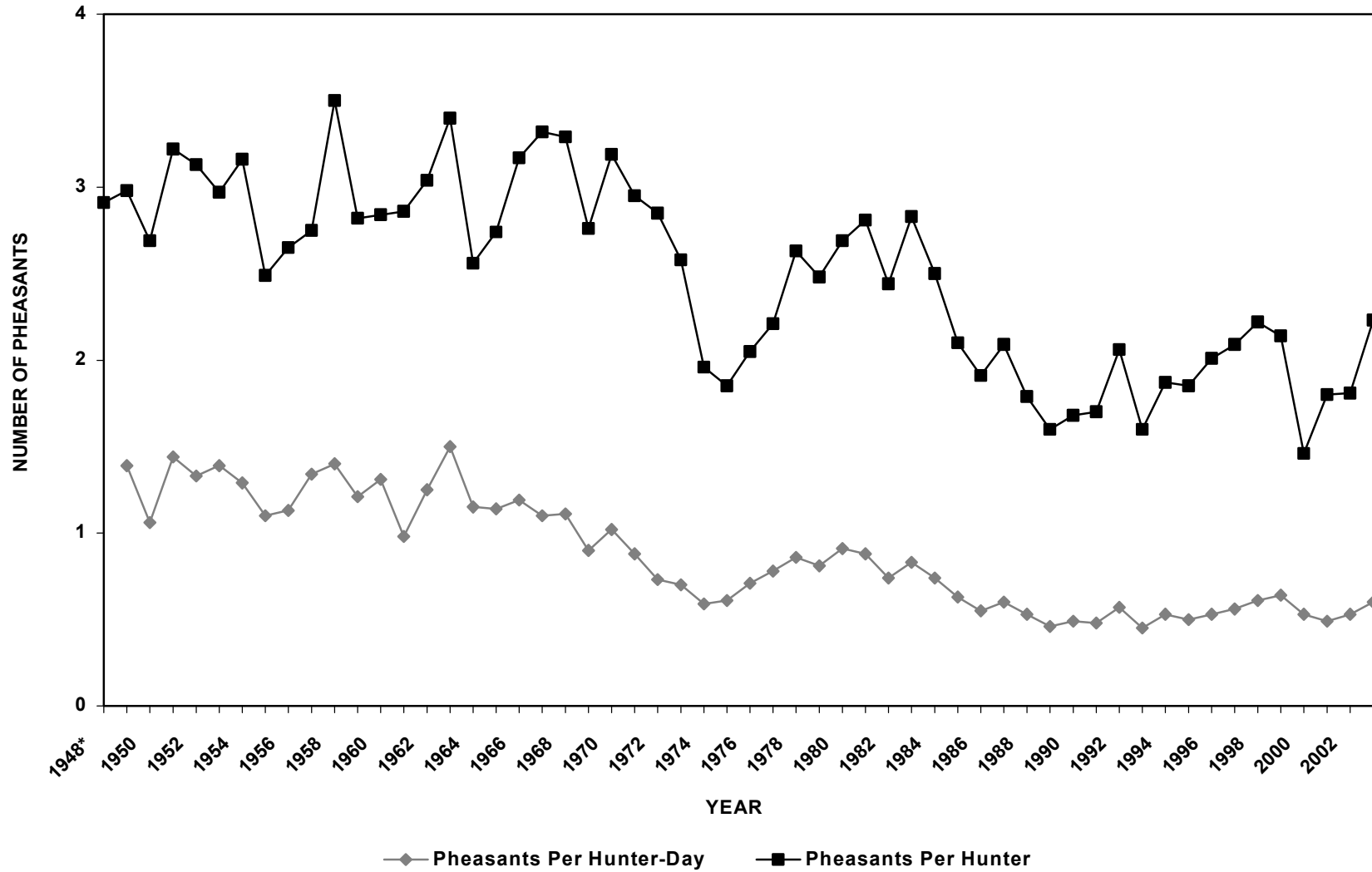
Statewide trends of pheasant harvest statistics, 1948-2003.



32

*No data available on hunter-days afield.

Statewide trends of pheasant hunter success rates, 1948-2003.



*No data available on hunter-days afield.

Summary of pheasant hunter success and distribution of harvest and hunting pressure by region and county, 2001.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Pheasants Bagged	Pheasants Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	112	3,589	12,017	5,768	0.48	12.34	12.14
Cache	111	3,557	14,548	7,210	0.50	14.93	15.17
Davis	38	1,218	4,198	1,506	0.36	4.31	3.17
Morgan	3	96	256	192	0.75	0.26	0.40
Rich	0	0	0	0	0.00	0.00	0.00
Summit	2	64	513	32	0.06	0.53	0.07
Weber	78	2,499	9,998	3,717	0.37	10.26	7.82
REGIONAL TOTALS	344	11,023	41,530	18,425	0.44	42.63	38.77
Central Region							
Juab	38	1,218	4,038	2,179	0.54	4.15	4.59
Salt Lake	5	160	449	352	0.78	0.46	0.74
Sanpete	53	1,698	4,775	3,044	0.64	4.90	6.41
Tooele	29	929	2,435	1,442	0.59	2.50	3.03
Utah	166	5,319	14,740	7,819	0.53	15.13	16.45
Wasatch	1	32	128	64	0.50	0.13	0.13
REGIONAL TOTALS	292	9,356	26,565	14,900	0.56	27.27	31.35
Southern Region							
Beaver	1	32	32	64	2.00	0.03	0.13
Garfield	1	32	224	32	0.14	0.23	0.07
Iron	2	64	128	64	0.50	0.13	0.13
Kane	0	0	0	0	0.00	0.00	0.00
Millard	67	2,147	6,056	2,628	0.43	6.22	5.53
Piute	0	0	0	0	0.00	0.00	0.00
Sevier	22	705	2,820	1,666	0.59	2.89	3.51
Washington	8	256	1,025	577	0.56	1.05	1.21
Wayne	1	32	64	32	0.50	0.07	0.07
REGIONAL TOTALS	102	3,268	10,349	5,063	0.49	10.62	10.65
Northeastern Region							
Daggett	2	64	128	0	0.00	0.13	0.00
Duchesne	32	1,025	3,781	2,179	0.58	3.88	4.59
Uintah	38	1,218	5,640	3,333	0.59	5.79	7.01
REGIONAL TOTALS	72	2,307	9,549	5,512	0.58	9.80	11.60
Southeastern Region							
Carbon	28	897	2,179	769	0.35	2.24	1.62
Emery	61	1,955	6,088	2,403	0.39	6.25	5.06
Grand	1	32	64	0	0.00	0.07	0.00
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	90	2,884	8,331	3,172	0.38	8.55	6.67
Unknown	13	417	1,089	449	0.41	1.12	0.94
STATE TOTALS*	826	26,468	97,413	47,521	0.49	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of pheasant hunter success and distribution of harvest and hunting pressure by region and county, 2002.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Pheasants Bagged	Pheasants Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	102	3,053	9,428	6,884	0.73	12.38	17.19
Cache	109	3,263	12,392	6,555	0.53	16.27	16.37
Davis	50	1,497	4,999	1,766	0.35	6.56	4.41
Morgan	0	0	0	0	0.00	0.00	0.00
Rich	3	90	150	0	0.00	0.20	0.00
Summit	0	0	0	0	0.00	0.00	0.00
Weber	62	1,856	5,388	2,305	0.43	7.07	5.76
REGIONAL TOTALS	326	9,759	32,357	17,510	0.54	42.48	43.72
Central Region							
Juab	33	988	2,784	898	0.32	3.65	2.24
Salt Lake	5	150	299	269	0.90	0.39	0.67
Sanpete	38	1,137	4,969	3,711	0.75	6.52	9.27
Tooele	26	778	2,694	1,048	0.39	3.54	2.62
Utah	146	4,370	11,314	6,106	0.54	14.85	15.25
Wasatch	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	248	7,423	22,060	12,032	0.55	28.96	30.04
Southern Region							
Beaver	5	150	389	120	0.31	0.51	0.30
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	3	90	509	0	0.00	0.67	0.00
Kane	0	0	0	0	0.00	0.00	0.00
Millard	30	898	2,005	688	0.34	2.63	1.72
Piute	0	0	0	0	0.00	0.00	0.00
Sevier	34	1,018	4,071	1,916	0.47	5.34	4.78
Washington	9	269	1,377	239	0.17	1.81	0.60
Wayne	1	30	90	120	1.33	0.12	0.30
REGIONAL TOTALS	82	2,455	8,441	3,083	0.37	11.08	7.70
Northeastern Region							
Daggett	0	0	0	0	0.00	0.00	0.00
Duchesne	25	748	2,634	1,646	0.62	3.46	4.11
Uintah	17	509	2,843	688	0.24	3.73	1.72
REGIONAL TOTALS	42	1,257	5,477	2,334	0.43	7.19	5.83
Southeastern Region							
Carbon	13	389	928	509	0.55	1.22	1.27
Emery	33	988	2,814	958	0.34	3.69	2.39
Grand	1	30	30	0	0.00	0.04	0.00
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	47	1,407	3,772	1,467	0.39	4.95	3.66
Unknown	62	1,856	4,071	3,622	0.89	5.34	9.04
STATE TOTALS*	740	22,149	76,178	40,048	0.53	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of pheasant hunter success and distribution of harvest and hunting pressure by region and county, 2003.

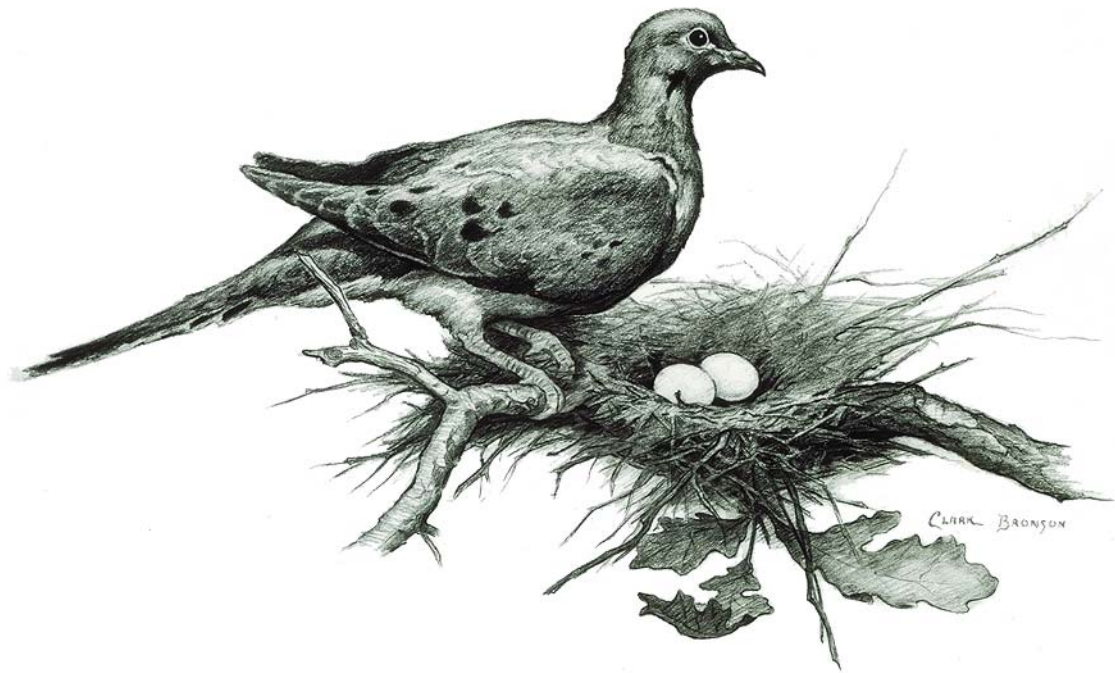
Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Pheasants Bagged	Pheasants Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	94	2,806	10,506	6,089	0.58	13.54	13.13
Cache	133	3,970	16,565	11,819	0.71	21.35	25.48
Davis	26	776	2,089	686	0.33	2.69	1.48
Morgan	1	30	30	149	4.97	0.04	0.32
Rich	1	30	30	0	0.00	0.04	0.00
Summit	1	30	179	30	0.17	0.23	0.06
Weber	61	1,821	6,268	3,552	0.57	8.08	7.66
REGIONAL TOTALS	317	9,463	35,667	22,325	0.63	45.96	48.13
Central Region							
Juab	15	448	1,970	895	0.45	2.54	1.93
Salt Lake	9	269	657	448	0.68	0.85	0.97
Sanpete	46	1,373	5,283	2,537	0.48	6.81	5.47
Tooele	23	686	3,164	1,015	0.32	4.08	2.19
Utah	98	2,925	8,417	5,163	0.61	10.85	11.13
Wasatch	1	30	30	0	0.00	0.04	0.00
REGIONAL TOTALS	192	5,731	19,521	10,058	0.52	25.15	21.69
Southern Region							
Beaver	1	30	30	0	0.00	0.04	0.00
Garfield	1	30	60	119	1.98	0.08	0.26
Iron	3	90	119	60	0.50	0.15	0.13
Kane	0	0	0	0	0.00	0.00	0.00
Millard	30	895	4,178	1,552	0.37	5.38	3.35
Piute	1	30	179	119	0.66	0.23	0.26
Sevier	31	925	3,731	1,612	0.43	4.81	3.48
Washington	8	239	388	209	0.54	0.50	0.45
Wayne	2	60	90	90	1.00	0.12	0.19
REGIONAL TOTALS	77	2,299	8,775	3,761	0.43	11.31	8.11
Northeastern Region							
Daggett	1	30	30	0	0.00	0.04	0.00
Duchesne	31	925	2,328	2,030	0.87	3.00	4.38
Uintah	29	866	3,164	2,298	0.73	4.08	4.95
REGIONAL TOTALS	61	1,821	5,522	4,328	0.78	7.12	9.33
Southeastern Region							
Carbon	8	239	597	119	0.20	0.77	0.26
Emery	26	776	2,358	657	0.28	3.04	1.42
Grand	0	0	0	0	0.00	0.00	0.00
San Juan	1	30	119	0	0.00	0.15	0.00
REGIONAL TOTALS	35	1,045	3,074	776	0.25	3.96	1.67
Unknown	53	1,582	5,044	5,134	1.02	6.50	11.07
STATE TOTALS*	696	20,773	77,603	46,382	0.60	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

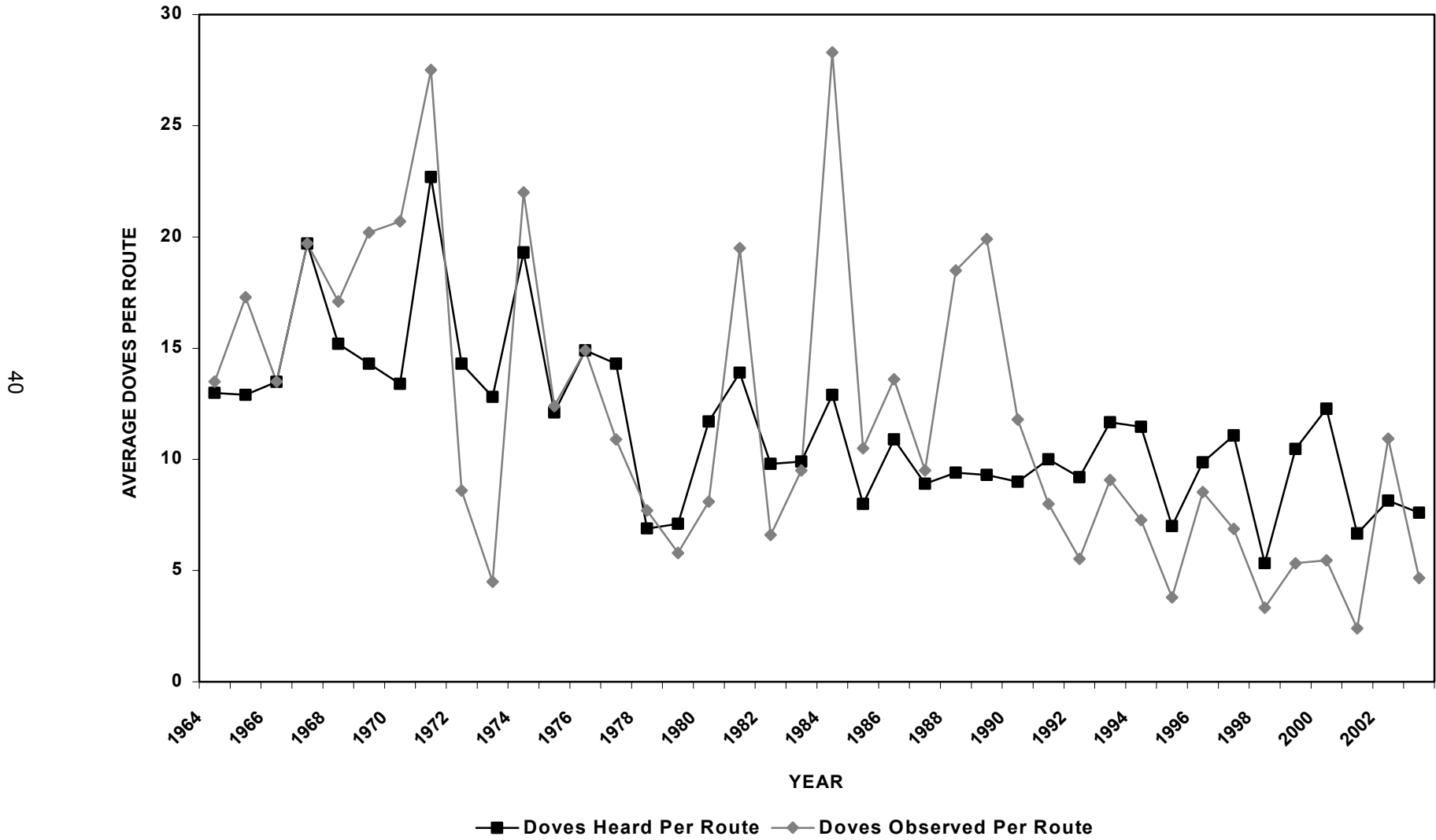
Statewide summary of pheasant harvest statistics, 1948-2003.

Year	Total Hunters	Total Harvest	Hunter-Days Afield	Pheasants Per Hunter-Day	Pheasants Per Hunter
1948	96,534	280,914	--	--	2.91
1949	88,369	263,340	189,453	1.39	2.98
1950	92,724	249,428	235,309	1.06	2.69
1951	76,576	246,575	171,233	1.44	3.22
1952	78,773	246,559	185,383	1.33	3.13
1953	82,595	245,307	176,480	1.39	2.97
1954	82,370	260,289	201,774	1.29	3.16
1955	78,793	196,195	178,359	1.10	2.49
1956	77,826	206,239	182,512	1.13	2.65
1957	83,025	228,319	170,387	1.34	2.75
1958	88,290	309,015	220,725	1.40	3.50
1959	86,268	243,276	202,730	1.21	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
2001	26,468	47,521	97,413	0.49	1.80
2002	22,149	40,048	76,178	0.53	1.81
2003	20,773	46,382	77,603	0.60	2.23
Totals					
(1948-2003)	3,872,419	10,115,683	11,037,060	--	--
Averages					
(1948-2002)	70,030	183,078	202,953	0.87	2.49
% Change From					
Previous Year	-6	16	2	14	23
% Change From					
Average	-70	-75	-62	-32	-10

MOURNING DOVE

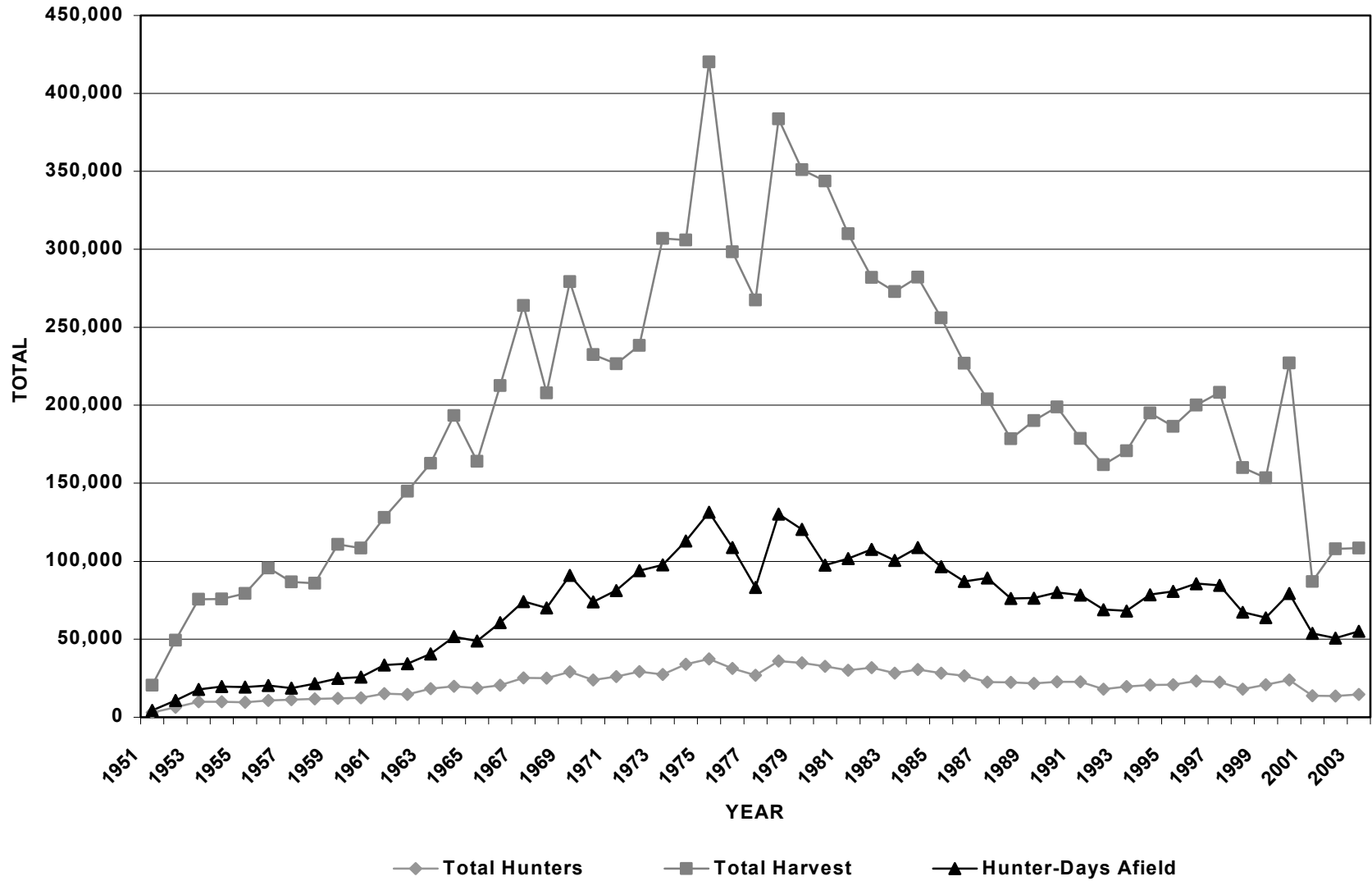


Mourning Dove breeding density index trend, 1964-2003.

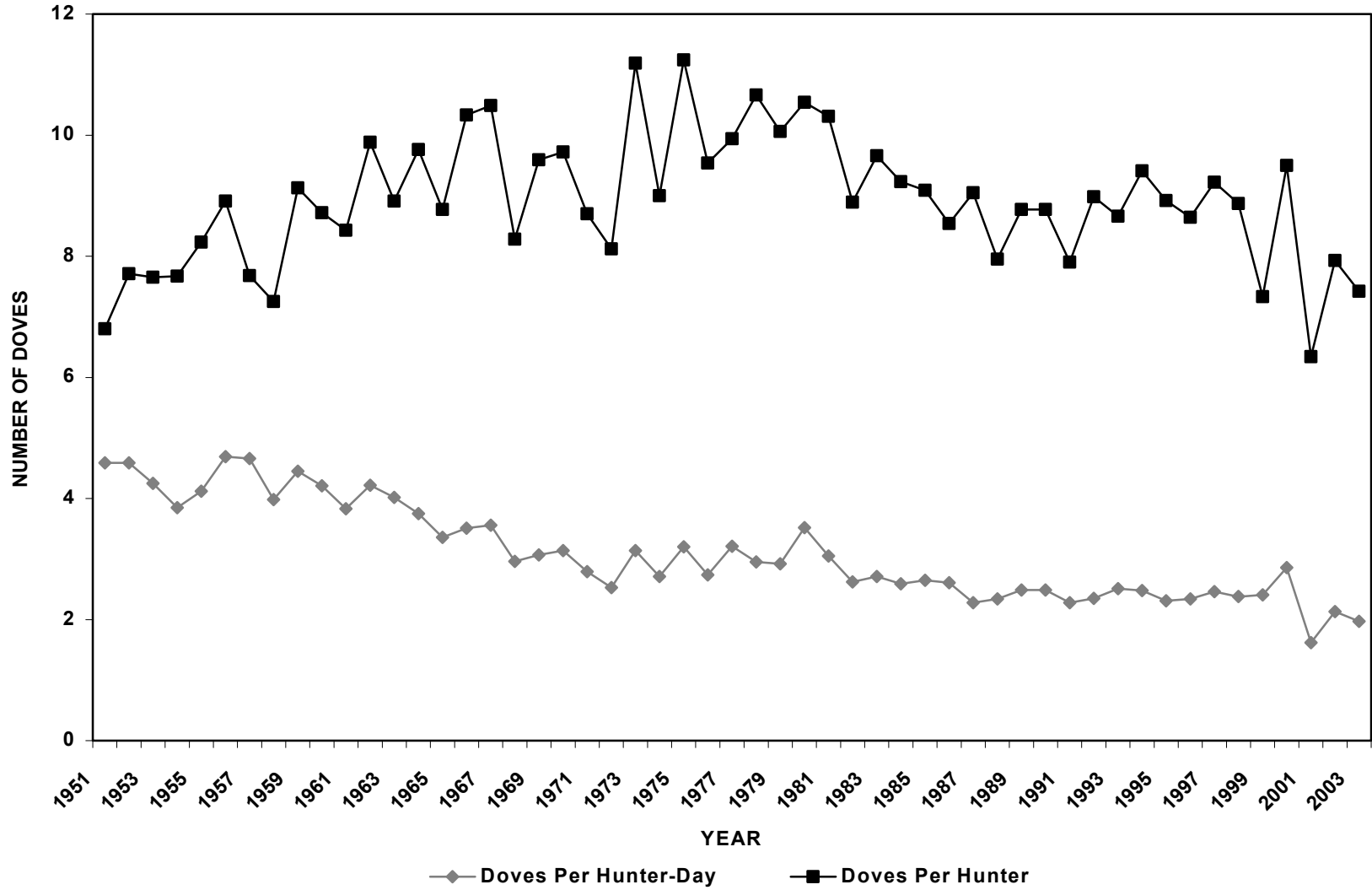


Statewide trends of Mourning Dove harvest statistics, 1951-2003.

41



Statewide trends of Mourning Dove hunter success rates, 1951-2003.



Summary of the Mourning Dove call-count survey for 2001, 2002, and 2003.

Region and County	Route Number	Total Doves Heard Per Route			Total Doves Observed Per Route		
		2001	2002	2003	2001	2002	2003
Northern Region							
Box Elder	R1500	6	0	5	2	22	11
Summit	R1020	1	6	6	4	7	4
REGIONAL TOTALS		7	6	11	6	29	15
Central Region							
Juab	R2830	34	15	9	1	0	7
REGIONAL TOTALS		34	15	9	1	0	7
Southern Region							
Beaver	R3820	2	12	1	4	5	8
Garfield	R1090	1	2	2	0	1	0
Iron	R4001	20	21	17	0	29	1
Millard	R3640	0	3	4	1	0	0
Sevier-Sanpete	R0370	5	5	6	11	17	28
Washington	R4311	4	2	7	0	0	1
Wayne-Sevier	R0660	1	8	11	0	2	0
REGIONAL TOTALS		33	53	48	16	54	38
Northeastern Region							
Duchesne	R0080	4	12	12	0	29	5
Uintah	R0220	4	13	8	0	4	0
REGIONAL TOTALS		8	25	20	0	33	5
Southeastern Region							
Emery	R0540	10		5	2		0
San Juan	R1171	5	13	17	10	35	5
San Juan	R1451	3	2	4	1	2	0
REGIONAL TOTALS		18	15	26	13	37	5
STATE TOTALS		100	114	114	36	153	70
STATE AVERAGES		6.67	8.14	7.60	2.40	10.93	4.67
% Change From							
Previous Year		-46	22	-7	-56	355	-57
Previous Year Averages		12.27	6.67	8.14	5.47	2.40	10.93

Trends of Mourning Dove call count surveys, 1964-2003.

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
2001	6.67	--	2.40
2002	8.14	--	10.93
2003	7.60	--	4.67
Averages (1964-2002)	11.52	54.38	12.02
% Change From Previous Year	-7	--	-57
% Change From Average	-34	--	-61

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, 1994-2003.

Region and County	Route Number	Number of Mourning Doves Heard Per Route									
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Northern Region											
Box Elder	R1500	7	4	0	3	--	3	3	6	0	5
Summit	R1020	4	1	1	3	3	5	1	1	6	6
REGIONAL TOTALS		11	5	1	6	3	8	4	7	6	11
Central Region											
Juab	R2830	41	23	41	22	--	47	37	34	15	9
REGIONAL TOTALS		41	23	41	22	0	47	37	34	15	9
Southern Region											
Beaver	R3820	16	5	1	12	5	5	22	2	12	1
Garfield	R1090	0	0	0	0	0	0	13	1	2	2
Iron	R4001	40	9	4	37	26	24	26	20	21	17
Millard	R3640	10	5	16	7	8	3	7	0	3	4
Sevier-Sanpete	R0370	6	3	5	6	4	5	6	5	5	6
Washington	R4311	20	14	1	4	1	2	5	4	2	7
Wayne-Sevier	R0660	0	4	15	3	0	8	27	1	8	11
REGIONAL TOTALS		92	40	42	69	44	47	106	33	53	48
Northeastern Region											
Duchesne	R0080	--	2	6	3	4	12	5	4	12	12
Uintah	R0220	7	5	6	3	1	7	2	4	13	8
REGIONAL TOTALS		7	7	12	6	5	19	7	8	25	20
Southeastern Region											
Emery	R0540	13	18	7	30	17	8	4	10		5
San Juan	R1171	8	12	43	19	10	27	22	5	13	17
San Juan	R1451	0	0	2	14	1	1	4	3	2	4
REGIONAL TOTALS		21	30	52	63	28	36	30	18	15	26
STATE TOTALS		172	105	148	166	80	157	184	100	114	114
STATE AVERAGES		12.29	7.00	9.87	11.07	6.15	10.47	12.27	6.67	8.14	7.60
% Change From Previous Year											
		-2	-43	41	12	-44	70	17	-46	22	-7

Summary of Mourning Dove hunter success and distribution of harvest and hunting pressure by region and county, 2001.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Doves Bagged	Doves Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	60	1,923	6,889	10,959	1.59	12.82	12.60
Cache	20	641	3,685	2,564	0.70	6.86	2.95
Davis	8	256	769	2,019	2.63	1.43	2.32
Morgan	4	128	320	1,538	4.81	0.60	1.77
Rich	1	32	32	0	0.00	0.06	0.00
Summit	0	0	0	0	0.00	0.00	0.00
Weber	17	545	2,724	4,486	1.65	5.07	5.16
REGIONAL TOTALS	110	3,525	14,419	21,566	1.50	26.83	24.79
Central Region							
Juab	53	1,698	4,743	7,402	1.56	8.83	8.51
Salt Lake	10	320	1,602	1,827	1.14	2.98	2.10
Sanpete	18	577	1,827	2,147	1.18	3.40	2.47
Tooele	44	1,410	4,871	7,883	1.62	9.06	9.06
Utah	97	3,108	10,991	14,804	1.35	20.45	17.02
Wasatch	5	160	320	961	3.00	0.60	1.10
REGIONAL TOTALS	227	7,273	24,354	35,024	1.44	45.32	40.26
Southern Region							
Beaver	4	128	192	128	0.67	0.36	0.15
Garfield	4	128	609	673	1.11	1.13	0.77
Iron	11	352	897	2,403	2.68	1.67	2.76
Kane	0	0	0	0	0.00	0.00	0.00
Millard	51	1,634	4,422	9,934	2.25	8.23	11.42
Piute	0	0	0	0	0.00	0.00	0.00
Sevier	21	673	2,051	3,973	1.94	3.82	4.57
Washington	11	352	1,891	3,140	1.66	3.52	3.61
Wayne	1	32	64	256	4.00	0.12	0.29
REGIONAL TOTALS	103	3,299	10,126	20,507	2.03	18.84	23.57
Northeastern Region							
Daggett	1	32	64	64	1.00	0.12	0.07
Duchesne	9	288	769	3,076	4.00	1.43	3.54
Uintah	10	320	993	2,115	2.13	1.85	2.43
REGIONAL TOTALS	20	640	1,826	5,255	2.88	3.40	6.04
Southeastern Region							
Carbon	8	256	737	673	0.91	1.37	0.77
Emery	16	513	1,442	2,275	1.58	2.68	2.62
Grand	4	128	320	865	2.70	0.60	0.99
San Juan	3	96	256	256	1.00	0.48	0.29
REGIONAL TOTALS	31	993	2,755	4,069	1.48	5.13	4.68
Unknown	5	160	256	577	2.25	0.48	0.66
STATE TOTALS*	428	13,715	53,736	86,998	1.62	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Mourning Dove hunter success and distribution of harvest and hunting pressure by region and county, 2002.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Doves Bagged	Doves Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	61	1,826	5,567	17,270	3.10	10.99	15.98
Cache	28	838	3,592	4,340	1.21	7.09	4.02
Davis	11	329	838	2,574	3.07	1.65	2.38
Morgan	8	239	928	1,766	1.90	1.83	1.63
Rich	1	30	60	0	0.00	0.12	0.00
Summit	2	60	150	449	2.99	0.30	0.42
Weber	22	658	3,382	4,370	1.29	6.68	4.04
REGIONAL TOTALS	133	3,980	14,517	30,769	2.12	28.66	28.48
Central Region							
Juab	39	1,167	3,113	6,585	2.12	6.15	6.09
Salt Lake	14	419	1,257	4,011	3.19	2.48	3.71
Sanpete	23	688	2,454	4,759	1.94	4.85	4.40
Tooele	33	988	3,861	8,291	2.15	7.62	7.67
Utah	98	2,933	8,500	18,797	2.21	16.78	17.40
Wasatch	3	90	120	419	3.49	0.24	0.39
REGIONAL TOTALS	210	6,285	19,305	42,862	2.22	38.12	39.67
Southern Region							
Beaver	10	299	1,018	2,394	2.35	2.01	2.22
Garfield	1	30	210	599	2.85	0.41	0.55
Iron	9	269	1,137	5,058	4.45	2.25	4.68
Kane	0	0	0	0	0.00	0.00	0.00
Millard	24	718	2,035	5,238	2.57	4.02	4.85
Piute	1	30	60	120	0.00	0.12	0.11
Sevier	17	509	4,370	2,694	0.62	8.63	2.49
Washington	22	658	1,796	4,520	2.52	3.55	4.18
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	84	2,513	10,626	20,623	1.94	20.98	19.09
Northeastern Region							
Daggett	1	30	60	359	5.98	0.12	0.33
Duchesne	5	150	479	1,167	2.44	0.95	1.08
Uintah	7	210	838	2,035	2.43	1.65	1.88
REGIONAL TOTALS	13	390	1,377	3,561	2.59	2.72	3.30
Southeastern Region							
Carbon	5	150	479	1,257	2.62	0.95	1.16
Emery	7	210	688	1,287	1.87	1.36	1.19
Grand	2	60	90	329	3.66	0.18	0.30
San Juan	5	150	210	329	1.57	0.41	0.30
REGIONAL TOTALS	19	570	1,467	3,202	2.18	2.90	2.96
Unknown	45	1,347	3,352	7,034	2.10	6.62	6.51
STATE TOTALS*	455	13,619	50,644	108,051	2.13	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Mourning Dove hunter success and distribution of harvest and hunting pressure by region and county, 2003.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Doves Bagged	Doves Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	64	1,910	5,939	13,550	2.28	10.79	12.49
Cache	39	1,164	3,611	6,745	1.87	6.56	6.22
Davis	7	209	776	1,850	2.38	1.41	1.70
Morgan	4	119	478	1,492	3.12	0.87	1.37
Rich	2	60	119	0	0.00	0.22	0.00
Summit	2	60	90	60	0.67	0.16	0.06
Weber	31	925	3,790	6,357	1.68	6.88	5.86
REGIONAL TOTALS	149	4,447	14,803	30,054	2.03	26.88	27.69
Central Region							
Juab	24	716	1,701	2,030	1.19	3.09	1.87
Salt Lake	7	209	388	328	0.85	0.70	0.30
Sanpete	22	657	1,880	2,955	1.57	3.41	2.72
Tooele	43	1,283	4,387	8,655	1.97	7.97	7.98
Utah	84	2,507	8,148	17,490	2.15	14.80	16.12
Wasatch	1	30	597	806	1.35	1.08	0.74
REGIONAL TOTALS	181	5,402	17,101	32,264	1.89	31.05	29.73
Southern Region							
Beaver	15	448	1,791	3,134	1.75	3.25	2.89
Garfield	4	119	657	2,179	3.32	1.19	2.01
Iron	15	448	955	2,835	2.97	1.73	2.61
Kane	1	30	60	0	0.00	0.11	0.00
Millard	33	985	4,686	9,401	2.01	8.51	8.66
Piute	2	60	90	418	4.64	0.16	0.39
Sevier	24	716	3,194	6,477	2.03	5.80	5.97
Washington	18	537	2,686	6,059	2.26	4.88	5.58
Wayne	1	30	60	30	0.50	0.11	0.03
REGIONAL TOTALS	113	3,373	14,179	30,533	2.15	25.75	28.14
Northeastern Region							
Daggett	1	30	90	60	0.67	0.16	0.06
Duchesne	17	507	1,164	3,731	3.21	2.11	3.44
Uintah	11	328	1,642	2,388	1.45	2.98	2.20
REGIONAL TOTALS	29	865	2,896	6,179	2.13	5.26	5.69
Southeastern Region							
Carbon	2	60	209	1,343	6.43	0.38	1.24
Emery	10	298	1,910	2,149	1.13	3.47	1.98
Grand	0	0	0	0	0.00	0.00	0.00
San Juan	3	90	179	358	2.00	0.33	0.33
REGIONAL TOTALS	15	448	2,298	3,850	1.68	4.17	3.55
Unknown	44	1,313	3,790	5,641	1.49	6.88	5.20
STATE TOTALS*	490	14,625	55,067	108,521	1.97	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Statewide summary of Mourning Dove harvest statistics, 1951-2003.

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 (estimated)	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
2001	13,715	86,998	53,736	1.62	6.34
2002	13,619	108,051	50,644	2.13	7.93
2003	14,625	108,521	55,067	1.97	7.42
Totals					
(1951-2003)	1,141,289	10,469,582	3,658,928	--	--
Averages					
(1951-2002)	21,667	199,251	69,305	3.12	8.94
% Change From					
Previous Year	7	0	9	-8	-6
% Change From					
Average	-32	-46	-21	-37	-17

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

Mourning Dove field bag check summary, 2001.

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	--	--	--	--	--	--	--	--	--	--	--	--
Thiokol Check Station	46	104	429	261	61	36	85	368	250	68	2.94	
Cache	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	46	104	429	261	61	36	85	368	250	68	2.94	
Central Region												
Juab	--	--	--	--	--	--	--	--	--	--	--	--
Nephi Check Station	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--
Lehi Check Station	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	46	104	429	261	61	36	85	368	250	68	2.94	

Mourning Dove field bag check summary, 2002.

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	--	--	--	--	--	--	--	--	--	--	--	--
Thiokol Check Station	52	128	498	487	98	48	114	439	465	106	4.08	
Cache	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	52	128	498	487	98	48	114	439	465	106	4.08	
Central Region												
Juab	--	--	--	--	--	--	--	--	--	--	--	--
Nephi Check Station	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--
Lehi Check Station	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	
STATE TOTALS	52	128	498	487	98	48	114	439	465	106	4.08	

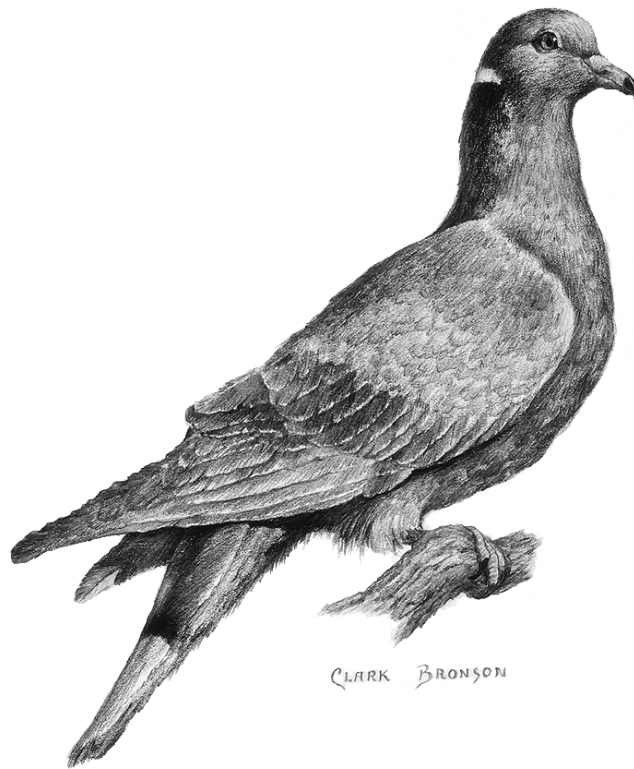
Mourning Dove hunter success trend as determined by field bag checks, 1994-2003.

Region and County	Birds Per 100 Hours										Birds Per Hunter									
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Northern Region																				
Box Elder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thiokol Check Station	--	95	56	95	121	84	198	68	106	--	--	4.66	2.70	3.24	5.05	4.04	3.77	2.94	4.08	--
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	95	56	95	121	84	198	68	106	--	--	4.66	2.70	3.24	5.05	4.04	3.77	2.94	4.08	--
Central Region																				
Juab	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nephi Check Station	127	114	66	115	59	81	118	--	--	--	3.79	4.13	2.48	3.61	2.33	3.57	4.90	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	104	--	--	--	--	--	--	--	--	--	3.02	--	--	--
Lehi Check Station	88	40	30	31	--	--	--	--	--	--	3.09	1.58	1.19	1.03	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	215	155	96	146	59	81	222	--	--	--	6.88	5.71	3.67	4.64	2.33	3.57	7.92	--	--	--
Southern Region																				
Beaver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Northeastern Region																				
Daggett	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region																				
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	327	121	--	--	100	--	--	--	--	--	6.13	2.71	--	--	1.60	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	154	144	--	210	238	--	--	--	--	--	4.05	2.57	--	5.79	5.17	--	--	--	--	--
REGIONAL TOTALS	481	265	0	210	338	--	--	--	--	--	10.18	5.28	--	5.79	6.77	--	--	--	--	--
STATE TOTALS	696	514	152	451	518	165	420	68	106	--	17.06	15.64	6.37	13.67	14.15	7.61	11.69	2.94	4.08	--

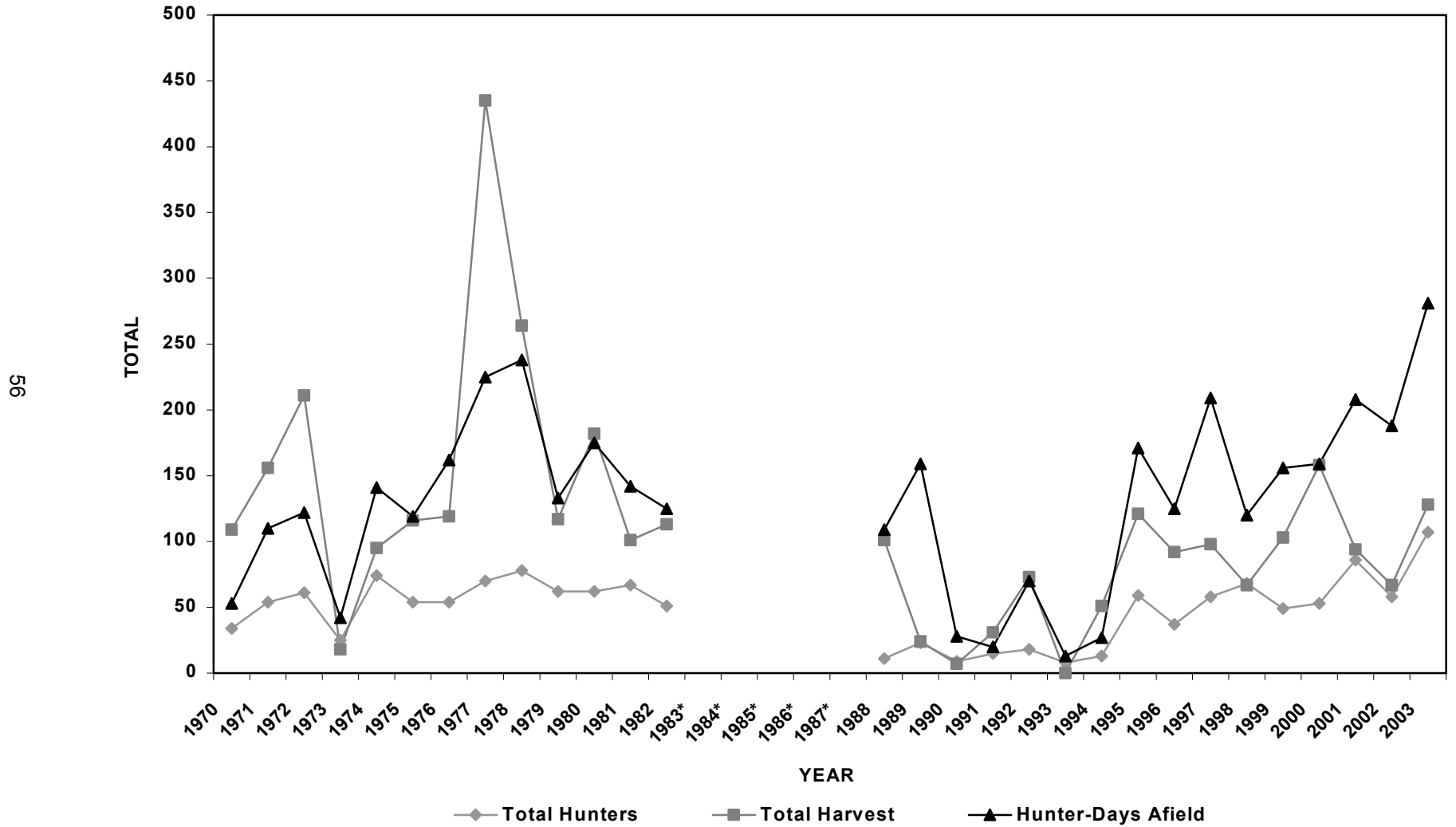
Age composition (Immatures/100 Adults) of Mourning Doves harvested, as determined by field bag checks, 1994-2003.

Region and County	1994		1995		1996		1997		1998		1999		2000		2001		2002		2003		1994-2002 Average	
	I/100A	A(n)	I/100A	A(n)	I/100A	A(n)	I/100A	A(n)	I/100A	A(n)	I/100A	A(n)	I/100A	A(n)	I/100A	A(n)	I/100A	A(n)	I/100A	A(n)	I/100A	A(n)
Northern Region																						
Box Elder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thiokol Check Station	154	424	142	445	98	493	82	613	235	216	148	116	125	378	61	152	153	149	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	154	424	142	445	98	493	82	613	235	216	148	116	125	378	61	152	153	149	--	--	133	332
Central Region																						
Juab	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nephi Check Station	123	515	84	730	86	546	152	78	423	296	186	87	136	572	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	83	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lehi Check Station	151	601	124	452	77	525	67	92	--	--	--	--	104	553	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	25	1,116	24	1,193	15	1,071	129	170	143	296	214	87	21	1,125	--	--	--	--	--	--	82	723
Southern Region																						
Beaver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	141	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	141	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	141	41
Northeastern Region																						
Daggett	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region																						
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	132	95	60	176	--	--	--	--	88	108	33	53	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	132	95	60	176	--	--	--	--	88	108	33	53	--	--	--	--	--	--	--	--	78	108
STATE TOTALS	73	1,635	96	1,855	116	1,564	100	1,652	120	620	138	274	100	1,637	61	152	153	149	--	--	106	1,060

BAND-TAILED PIGEON

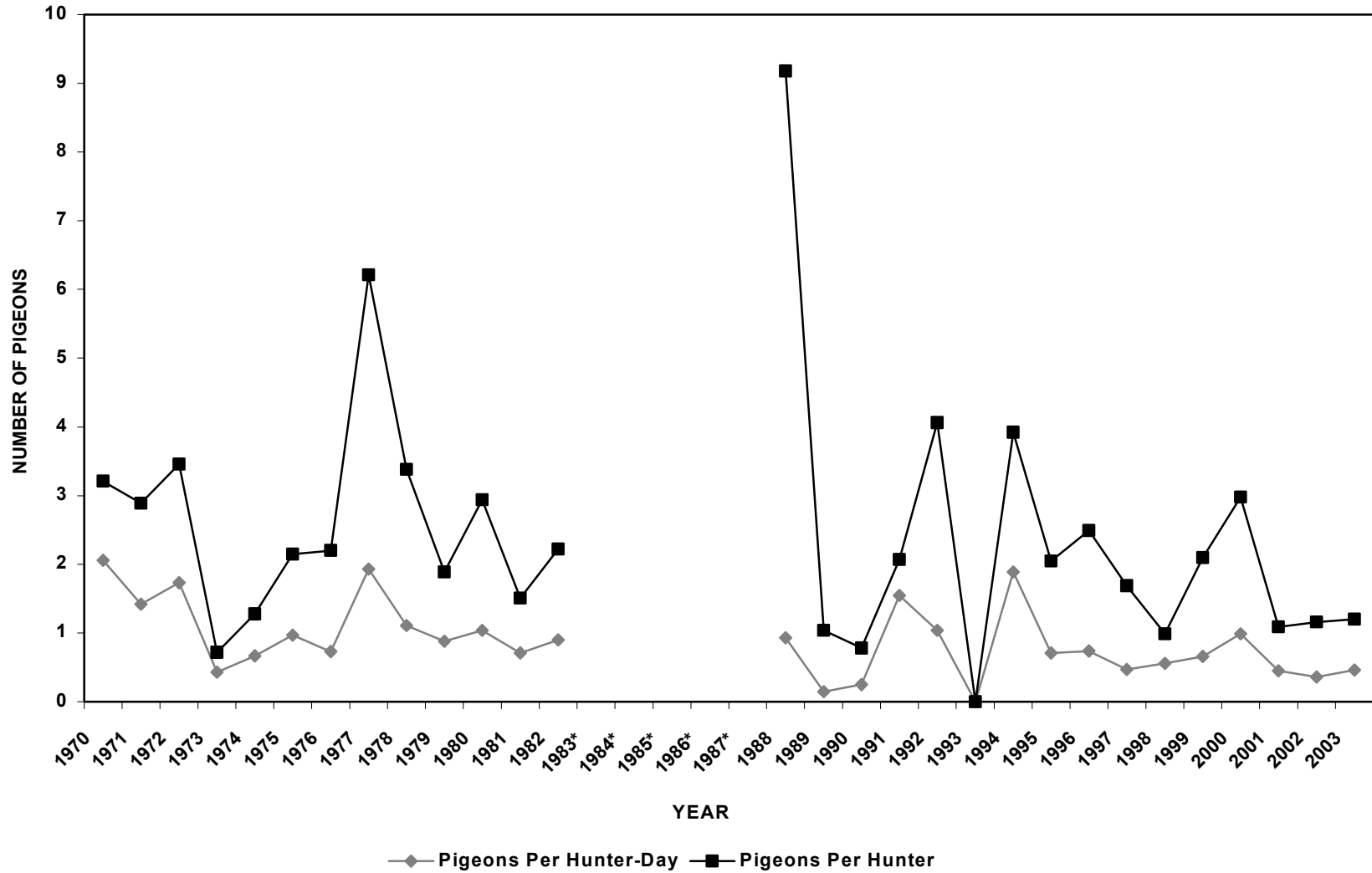


Statewide trends of Band-tailed Pigeon harvest statistics, 1970-2003.



*No data available.

Statewide trends of Band-tailed Pigeon hunter success rates, 1970-2003.



*No data available.

Summary of Band-tailed Pigeon hunter success and distribution of harvest and hunting pressure by region and county, 2001.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Pigeons Bagged	Pigeons Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Central Region							
Juab	2	8	27	8	0.30	12.98	8.51
Salt Lake	--	--	--	--	--	--	--
Sanpete	2	8	4	0	0.00	1.92	0.00
Tooele	--	--	--	--	--	--	--
Utah	6	23	4	39	9.75	1.92	41.49
Wasatch	--	--	--	--	--	--	--
REGIONAL TOTALS	10	39	35	47	1.34	16.83	50.00
Southern Region							
Beaver	1	4	8	0	0.00	3.85	0.00
Garfield	--	--	--	--	--	--	--
Iron	1	4	4	0	0.00	1.92	0.00
Kane	--	--	--	--	--	--	--
Millard	1	4	8	0	0.00	3.85	0.00
Piute	--	--	--	--	--	--	--
Sevier	2	8	4	8	2.00	1.92	8.51
Washington	6	23	4	0	0.00	1.92	0.00
Wayne	--	--	--	--	--	--	--
REGIONAL TOTALS	11	43	28	8	0.29	13.46	8.51
Northeastern Region							
Daggett	--	--	--	--	--	--	--
Duchesne	1	4	8	16	2.00	3.85	17.02
Uintah	--	--	--	--	--	--	--
REGIONAL TOTALS	1	4	8	16	2.00	3.85	17.02
Southeastern Region							
Carbon	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--
Grand	7	27	102	23	0.23	49.04	24.47
San Juan	3	12	35	0	0.00	16.83	0.00
REGIONAL TOTALS	10	39	137	23	0.17	65.87	24.47
Unknown	--	--	--	--	--	--	--
STATE TOTALS*	22	86	208	94	0.45	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Projection Factor = 3.915492958

278 Permits Sold

71 (26%) Permittees Surveyed

Summary of Band-tailed Pigeon hunter success and distribution of harvest and hunting pressure by region and county, 2002.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Pigeons Bagged	Pigeons Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	1	2	7	0	0.00	3.70	0.00
Cache	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--
Weber	1	2	14	0	0.00	7.41	0.00
REGIONAL TOTALS	2	4	21	0	0.00	11.11	0.00
Central Region							
Juab	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--
Utah	2	5	16	28	1.75	8.47	41.18
Wasatch	--	--	--	--	--	--	--
REGIONAL TOTALS	2	5	16	28	1.75	8.47	41.18
Southern Region							
Beaver	1	2	5	0	0.00	2.65	0.00
Garfield	1	2	19	0	0.00	10.05	0.00
Iron	1	2	2	0	0.00	1.06	0.00
Kane	1	2	5	5	1.00	2.65	7.35
Millard	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--
Washington	6	14	25	2	0.08	13.23	2.94
Wayne	--	--	--	--	--	--	--
REGIONAL TOTALS	10	22	56	7	0.13	29.63	10.29
Northeastern Region							
Daggett	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Southeastern Region							
Carbon	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--
Grand	5	12	42	14	0.33	22.22	20.59
San Juan	6	14	35	19	0.54	18.52	27.94
REGIONAL TOTALS	11	26	77	33	0.43	40.74	48.53
Unknown	3	7	19	0	0.00	10.05	0.00
STATE TOTALS*	25	58	189	68	0.36	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Projection Factor = 2.315789474

132 Permits Sold

57 (43%) Permittees Surveyed

Summary of Band-tailed Pigeon hunter success and distribution of harvest and hunting pressure by region and county, 2003.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Pigeons Bagged	Pigeons Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Central Region							
Juab	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--
Sanpete	3	17	34	22	0.65	12.10	17.19
Tooele	--	--	--	--	--	--	--
Utah	1	6	28	56	2.00	9.96	43.75
Wasatch	--	--	--	--	--	--	--
REGIONAL TOTALS	4	23	62	78	1.26	22.06	60.94
Southern Region							
Beaver	1	6	11	0	0.00	3.91	0.00
Garfield	--	--	--	--	--	--	--
Iron	1	6	6	0	0.00	2.14	0.00
Kane	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--
Washington	5	28	45	28	0.62	16.01	21.88
Wayne	--	--	--	--	--	--	--
REGIONAL TOTALS	7	40	62	28	0.45	22.06	21.88
Northeastern Region							
Daggett	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Southeastern Region							
Carbon	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--
Grand	4	22	107	0	0.00	38.08	0.00
San Juan	3	17	39	22	0.56	13.88	17.19
REGIONAL TOTALS	7	39	146	22	0.15	51.96	17.19
Unknown	2	11	11	0	0.00	3.91	0.00
STATE TOTALS*	19	107	281	128	0.46	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Projection Factor = 5.62222222

253 Permits Sold

45 (18%) Permittees Surveyed

Statewide summary of Band-tailed Pigeon harvest statistics, 1970-2003.

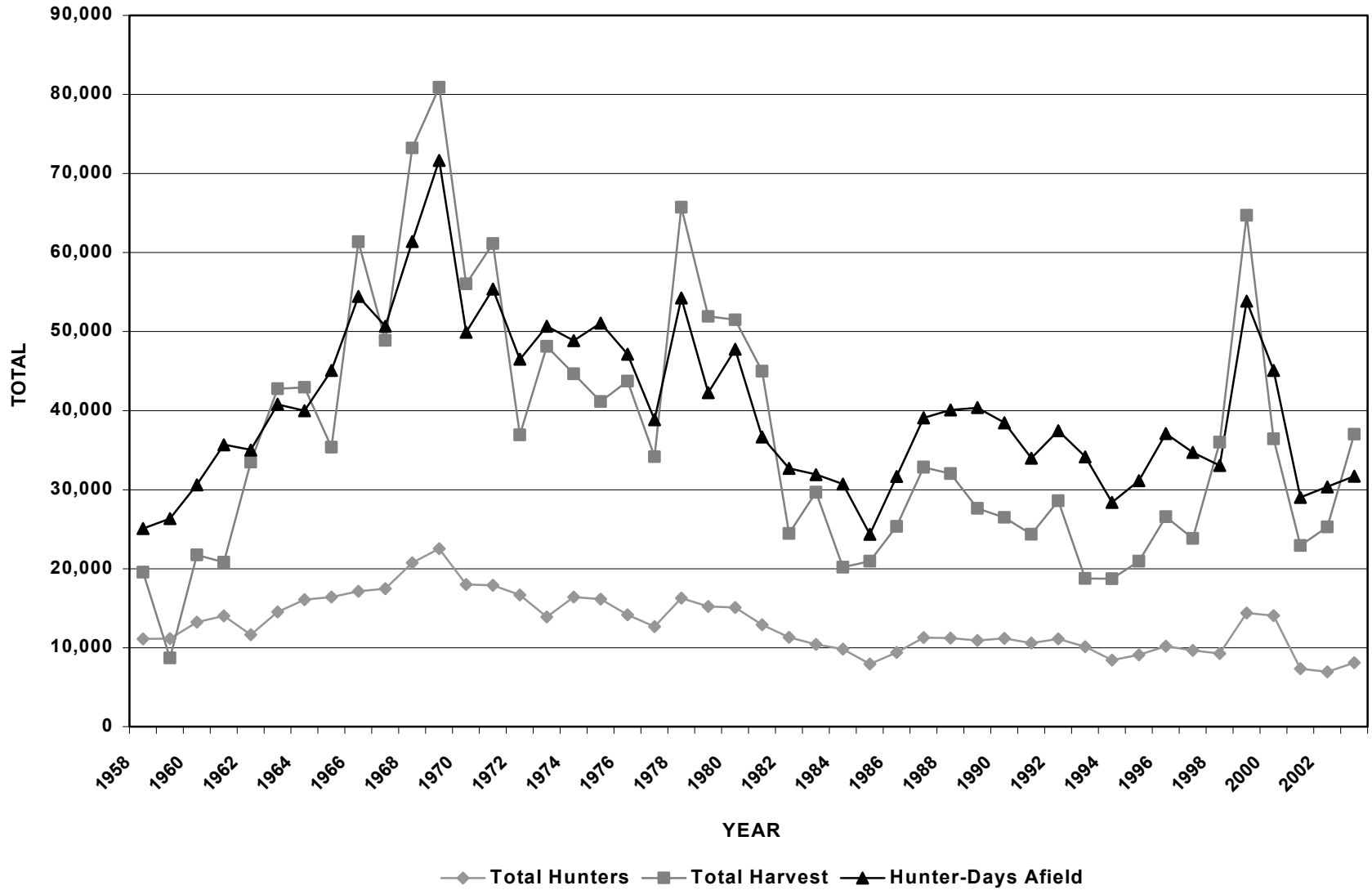
Year	Total Hunters	Total Harvest	Hunter-Days Afield	Pigeons Per Hunter-Day	Pigeons Per Hunter
1970	34	109	53	2.06	3.21
1971	54	156	110	1.42	2.89
1972	61	211	122	1.73	3.46
1973	25	18	42	0.43	0.72
1974	74	95	141	0.67	1.28
1975	54	116	119	0.97	2.15
1976	54	119	162	0.73	2.20
1977	70	435	225	1.93	6.21
1978	78	264	238	1.11	3.38
1979	62	117	133	0.88	1.89
1980	62	182	175	1.04	2.94
1981	67	101	142	0.71	1.51
1982	51	113	125	0.90	2.22
1983	--	--	--	--	--
1984	--	--	--	--	--
1985	--	--	--	--	--
1986	--	--	--	--	--
1987	--	--	--	--	--
1988	11	101	109	0.93	9.18
1989	23	24	159	0.15	1.04
1990	9	7	28	0.25	0.78
1991	15	31	20	1.55	2.07
1992	18	73	70	1.04	4.06
1993	8	0	13	0.00	0.00
1994	13	51	27	1.89	3.92
1995	59	121	171	0.71	2.05
1996	37	92	125	0.74	2.49
1997	58	98	209	0.47	1.69
1998	68	67	120	0.56	0.99
1999	49	103	156	0.66	2.10
2000	53	158	159	0.99	2.98
2001	86	94	208	0.45	1.09
2002	58	67	188	0.36	1.16
2003	107	128	281	0.46	1.20
Totals (1970-2003)	1,418	3,251	3,830	--	--
Averages (1970-2002)	47	112	127	0.90	2.49
% Change From Previous Year	84	91	49	28	4
% Change From Average	129	15	122	-50	-52

CHUKAR PARTRIDGE

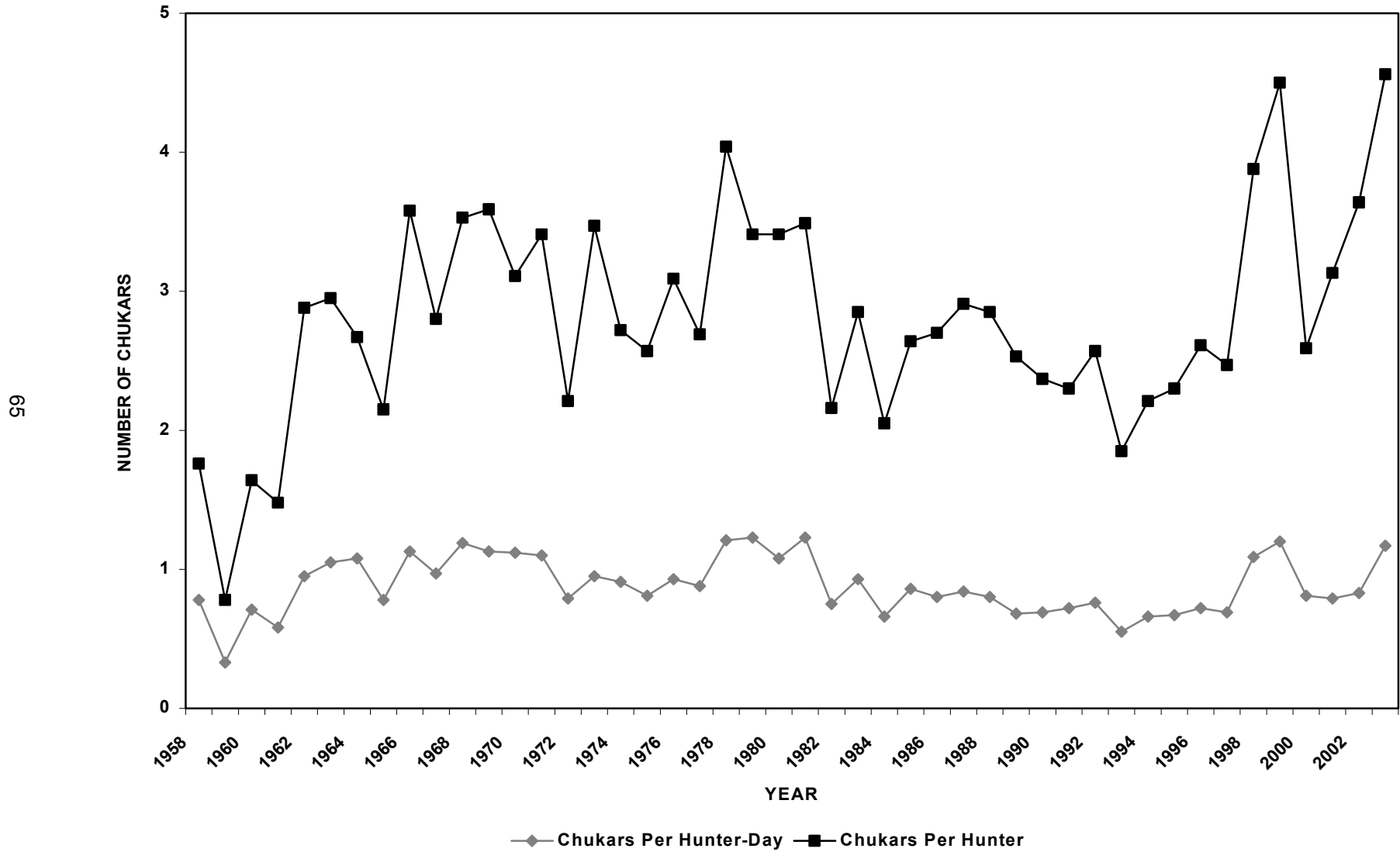


Statewide trends of Chukar Partridge harvest statistics, 1958-2003.

64



Statewide trends of Chukar Partridge hunter success rates, 1958-2003.



Chukar Partridge aerial survey, Northeast Cedar Mountains, Tooele County, 1996-2003.

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
2001	--	9	68	8.00	9	1.63	42
2002	08/28/02	5	36	8.00	5	1.61	22
2003	08/22/03	27	238	8.00	30	1.33	179
Totals (1996-2003)		211	2,398	62.49	38	11.31	--
Averages (1996-2002)		26	309	7.78	39	1.43	219
% Change From Previous Year		440	561	0	561	-17	700
% Change From Average		3	-23	3	-24	-7	-18

Summary of Chukar Partridge hunter success and distribution of harvest and hunting pressure by region and county, 2001.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Chukars Bagged	Chukars Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	43	1,378	5,544	3,813	0.69	19.10	16.62
Cache	13	417	1,057	449	0.42	3.64	1.96
Davis	2	64	128	64	0.50	0.44	0.28
Morgan	4	128	449	993	2.21	1.55	4.33
Rich	0	0	0	0	0.00	0.00	0.00
Summit	2	64	481	64	0.13	1.66	0.28
Weber	4	128	449	128	0.29	1.55	0.56
REGIONAL TOTALS	68	2,179	8,108	5,511	0.68	27.93	24.02
Central Region							
Juab	18	577	1,634	1,955	1.20	5.63	8.52
Salt Lake	2	64	128	160	1.25	0.44	0.70
Sanpete	11	352	1,250	1,346	1.08	4.31	5.87
Tooele	41	1,314	4,678	3,140	0.67	16.11	13.69
Utah	36	1,154	4,678	3,204	0.68	16.11	13.97
Wasatch	1	32	32	0	0.00	0.11	0.00
REGIONAL TOTALS	109	3,493	12,400	9,805	0.79	42.71	42.74
Southern Region							
Beaver	3	96	128	96	0.75	0.44	0.42
Garfield	2	64	352	32	0.09	1.21	0.14
Iron	1	32	64	64	1.00	0.22	0.28
Kane	0	0	0	0	0.00	0.00	0.00
Millard	14	449	1,346	2,115	1.57	4.64	9.22
Piute	1	32	481	160	0.33	1.66	0.70
Sevier	16	513	3,076	1,634	0.53	10.60	7.12
Washington	0	0	0	0	0.00	0.00	0.00
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	37	1,186	5,447	4,101	0.75	18.76	17.88
Northeastern Region							
Daggett	0	0	0	0	0.00	0.00	0.00
Duchesne	4	128	417	609	1.46	1.44	2.65
Uintah	5	160	545	961	1.76	1.88	4.19
REGIONAL TOTALS	9	288	962	1,570	1.63	3.31	6.84
Southeastern Region							
Carbon	6	192	417	673	1.61	1.44	2.93
Emery	18	577	1,474	897	0.61	5.08	3.91
Grand	2	64	128	288	2.25	0.44	1.26
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	26	833	2,019	1,858	0.92	6.95	8.10
Unknown	2	64	96	96	1.00	0.33	0.42
STATE TOTALS*	229	7,338	29,032	22,941	0.79	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Chukar Partridge hunter success and distribution of harvest and hunting pressure by region and county, 2002.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Chukars Bagged	Chukars Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	47	1,407	4,879	6,166	1.26	16.08	24.38
Cache	10	299	1,167	1,197	1.03	3.85	4.73
Davis	2	60	509	599	1.18	1.68	2.37
Morgan	5	150	180	90	0.50	0.59	0.36
Rich	0	0	0	0	0.00	0.00	0.00
Summit	7	210	1,287	479	0.37	4.24	1.89
Weber	5	150	269	120	0.45	0.89	0.47
REGIONAL TOTALS	76	2,276	8,291	8,651	1.04	27.32	34.20
Central Region							
Juab	21	629	2,005	2,035	1.01	6.61	8.05
Salt Lake	2	60	150	0	0.00	0.49	0.00
Sanpete	7	210	1,137	958	0.84	3.75	3.79
Tooele	35	1,048	4,071	2,724	0.67	13.41	10.77
Utah	39	1,167	4,460	4,789	1.07	14.69	18.93
Wasatch	1	30	150	0	0.00	0.49	0.00
REGIONAL TOTALS	105	3,144	11,973	10,506	0.88	39.45	41.54
Southern Region							
Beaver	5	150	419	299	0.71	1.38	1.18
Garfield	1	30	30	0	0.00	0.10	0.00
Iron	1	30	30	0	0.00	0.10	0.00
Kane	0	0	0	0	0.00	0.00	0.00
Millard	9	269	718	539	0.75	2.37	2.13
Piute	1	30	30	0	0.00	0.10	0.00
Sevier	17	509	4,729	868	0.18	15.58	3.43
Washington	2	60	539	0	0.00	1.78	0.00
Wayne	2	60	150	150	1.00	0.49	0.59
REGIONAL TOTALS	38	1,138	6,645	1,856	0.28	21.89	7.34
Northeastern Region							
Daggett	0	0	0	0	0.00	0.00	0.00
Duchesne	6	180	658	1,916	2.91	2.17	7.57
Uintah	2	60	150	0	0.00	0.49	0.00
REGIONAL TOTALS	8	240	808	1,916	2.37	2.66	7.57
Southeastern Region							
Carbon	3	90	299	1,048	3.51	0.99	4.14
Emery	4	120	180	90	0.50	0.59	0.36
Grand	4	120	180	60	0.33	0.59	0.24
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	11	330	659	1,198	1.82	2.17	4.74
Unknown	20	599	1,975	1,167	0.59	6.51	4.61
STATE TOTALS*	232	6,944	30,351	25,294	0.83	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Chukar Partridge hunter success and distribution of harvest and hunting pressure by region and county, 2003.

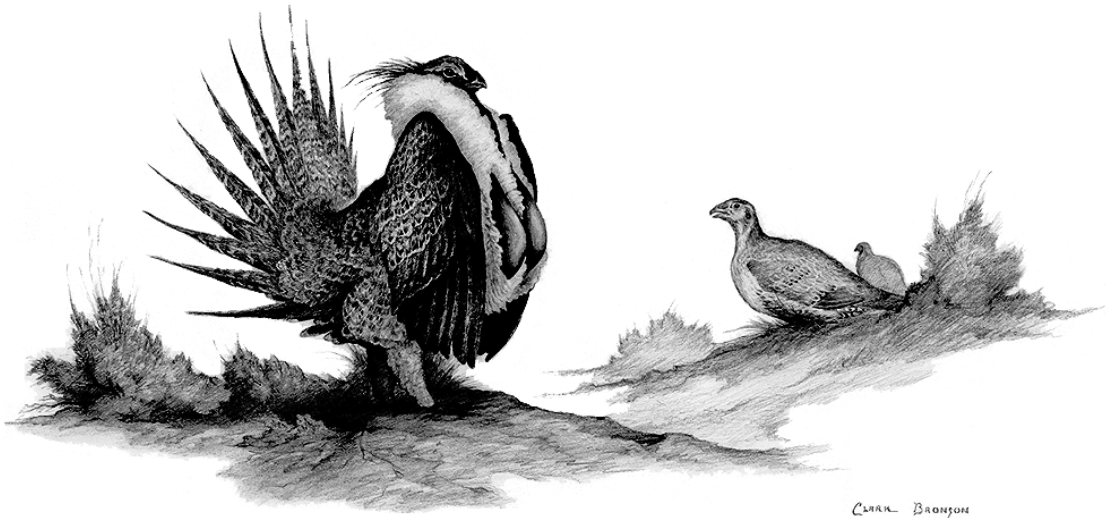
Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Chukars Bagged	Chukars Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	70	2,089	9,610	12,685	1.32	30.32	34.28
Cache	18	537	1,313	627	0.48	4.14	1.69
Davis	2	60	119	0	0.00	0.38	0.00
Morgan	12	358	1,283	2,626	2.05	4.05	7.10
Rich	0	0	0	0	0.00	0.00	0.00
Summit	2	60	90	60	0.67	0.28	0.16
Weber	4	119	209	1,283	6.14	0.66	3.47
REGIONAL TOTALS	108	3,223	12,624	17,281	1.37	39.83	46.70
Central Region							
Juab	10	298	776	1,074	1.38	2.45	2.90
Salt Lake	2	60	119	60	0.50	0.38	0.16
Sanpete	11	328	1,045	955	0.91	3.30	2.58
Tooele	44	1,313	5,730	5,342	0.93	18.08	14.44
Utah	36	1,074	5,313	4,925	0.93	16.76	13.31
Wasatch	1	30	60	60	1.00	0.19	0.16
REGIONAL TOTALS	104	3,103	13,043	12,416	0.95	41.15	33.55
Southern Region							
Beaver	2	60	269	149	0.55	0.85	0.40
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	0	0	0	0	0.00	0.00	0.00
Kane	0	0	0	0	0.00	0.00	0.00
Millard	11	328	537	149	0.28	1.69	0.40
Piute	3	90	239	149	0.62	0.75	0.40
Sevier	12	358	1,522	1,462	0.96	4.80	3.95
Washington	0	0	0	0	0.00	0.00	0.00
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	28	836	2,567	1,909	0.74	8.10	5.16
Northeastern Region							
Daggett	0	0	0	0	0.00	0.00	0.00
Duchesne	6	179	239	537	2.25	0.75	1.45
Uintah	4	119	478	119	0.25	1.51	0.32
REGIONAL TOTALS	10	298	717	656	0.91	2.26	1.77
Southeastern Region							
Carbon	3	90	298	657	2.20	0.94	1.78
Emery	7	209	418	537	1.28	1.32	1.45
Grand	5	149	358	328	0.92	1.13	0.89
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	15	448	1,074	1,522	1.42	3.39	4.11
Unknown	24	716	1,671	3,223	1.93	5.27	8.71
STATE TOTALS*	272	8,118	31,696	37,007	1.17	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Statewide summary of Chukar Partridge harvest statistics, 1958-2003.

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
2001	7,338	22,941	29,032	0.79	3.13
2002	6,944	25,294	30,351	0.83	3.64
2003	8,118	37,007	31,696	1.17	4.56
Totals (1958-2003)	594,505	1,693,839	1,855,609	--	--
Averages (1958-2002)	13,031	36,818	40,531	0.88	2.77
% Change From Previous Year	17	46	4	40	25
% Change From Average	-38	1	-22	33	65

SAGE-GROUSE

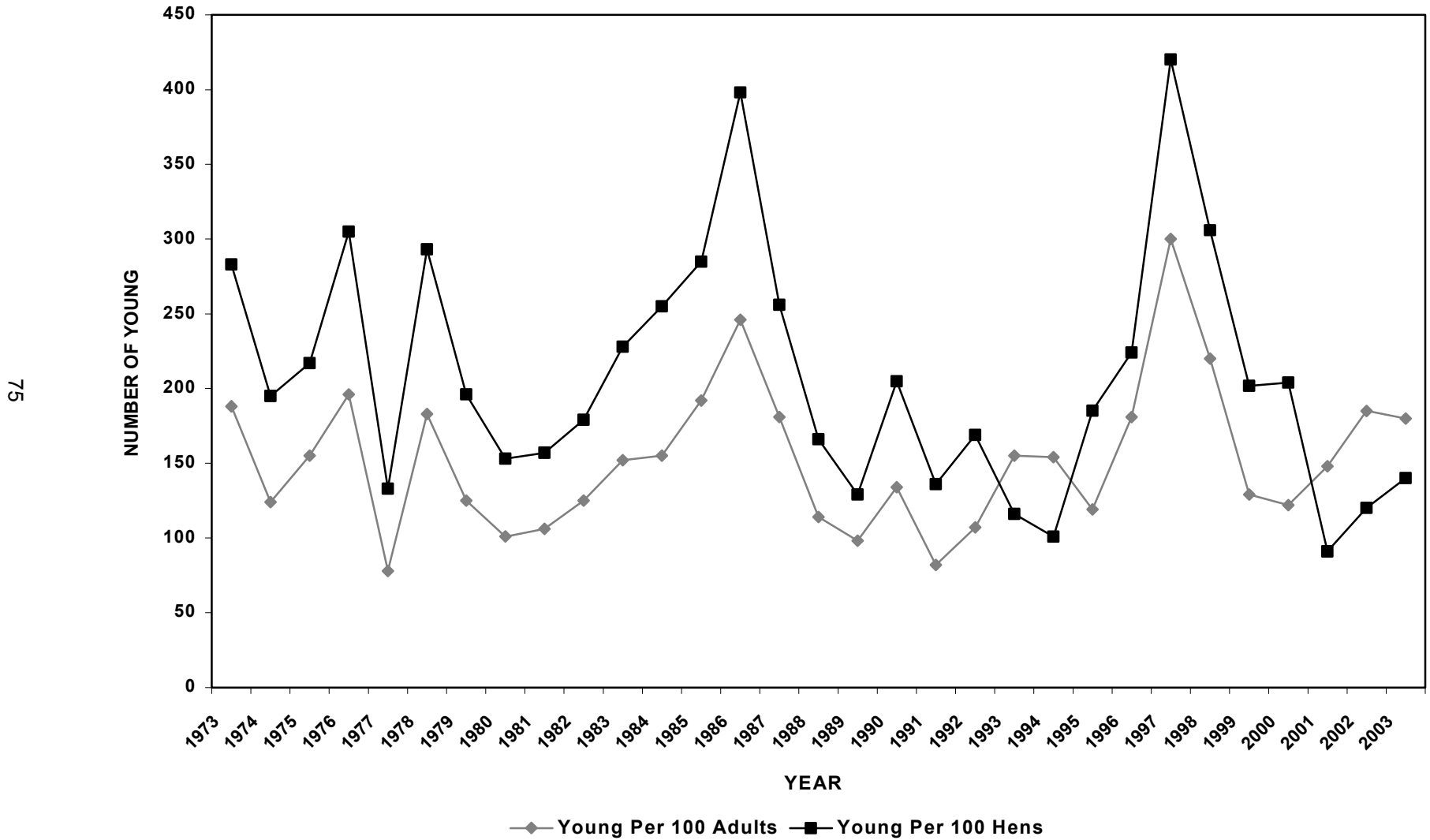


CLARA BRAYSON

Statewide trends of average Sage-grouse males per lek, 1959-2003.

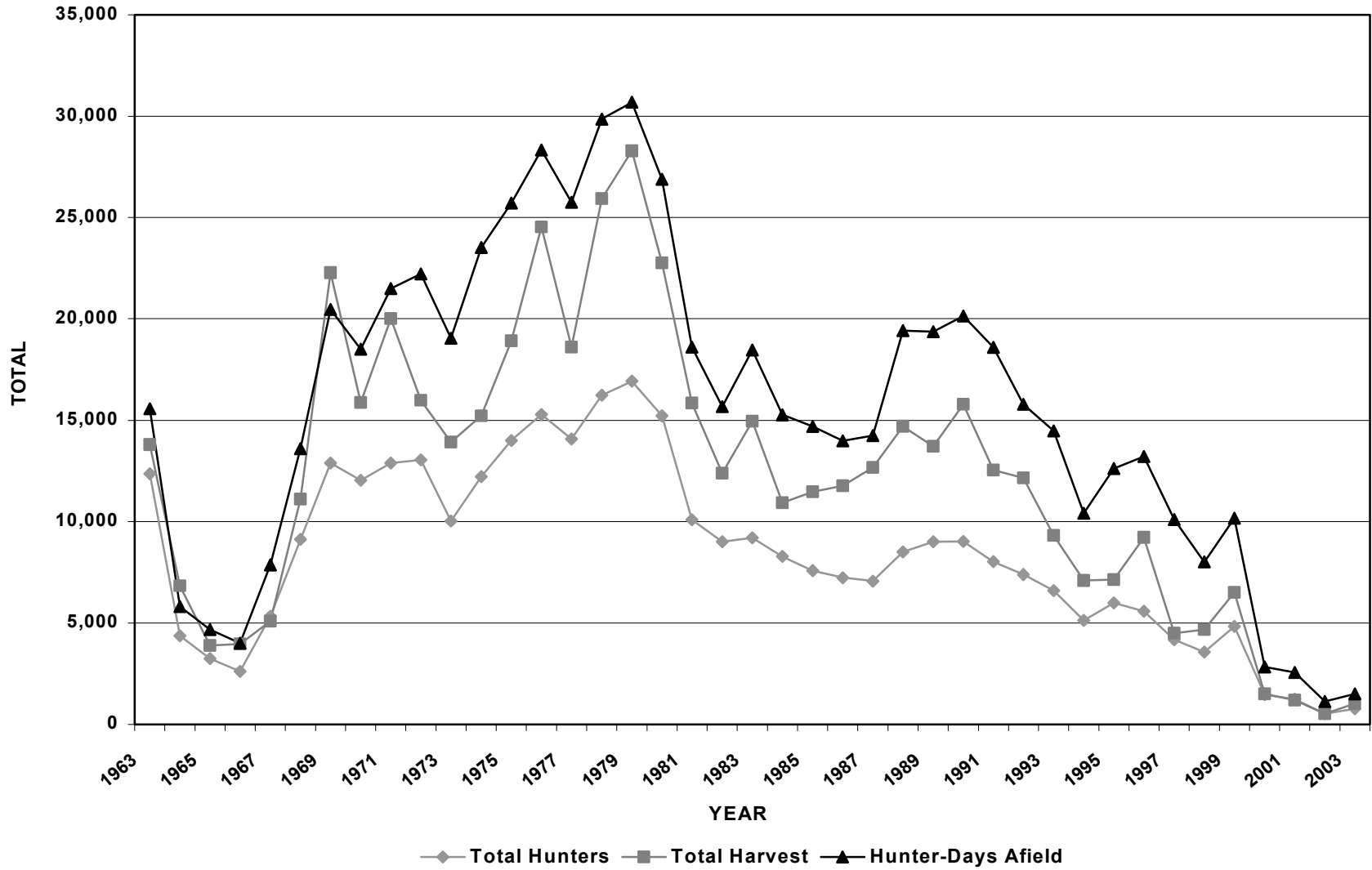


Statewide trends of Sage-grouse young per 100 adults and 100 hens, 1973-2003.

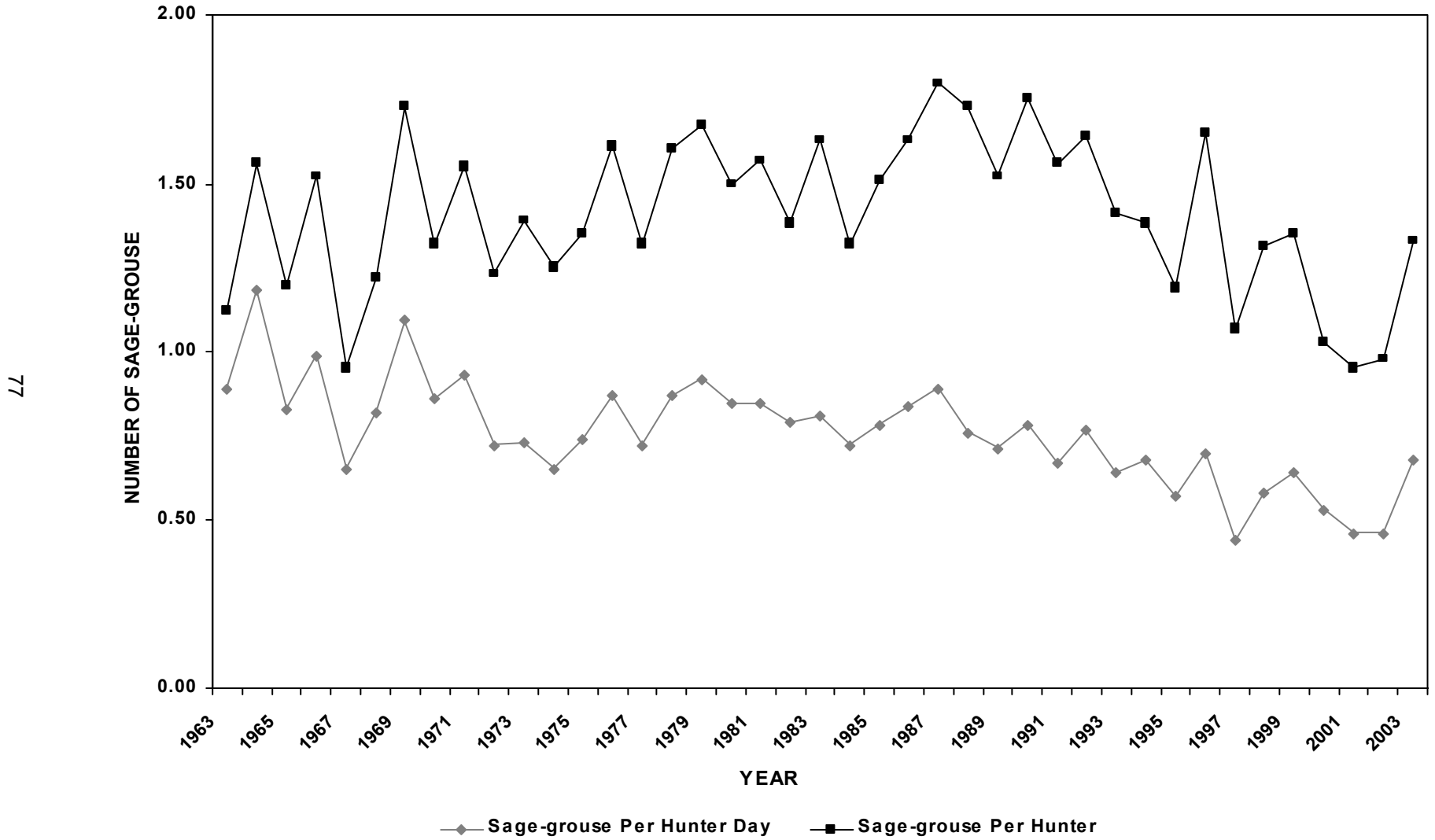


Statewide trends of Sage-grouse harvest statistics, 1963-2003.

76



Statewide trends of Sage-grouse hunter success rates, 1963-2003.



Summary of Sage-grouse strutting ground counts by region and county, 1994-2003.

Northern Region County	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Box Elder										
No. Strutting Grounds Counted	14	4	11	33	22	25	25	57	49	37
Total Male Grouse Counted	220	134	209	345	428	452	516	733	929	718
County Average (all strutting grounds)	16	34	19	10	19	18	21	13	19	19
% Change From Previous Year - Comparable Grounds	-23	-14	-24	2	--	--	--	--	--	--
Cache										
No. Strutting Grounds Counted	2	2	2	1	1	4	2	3	4	4
Total Male Grouse Counted	9	9	9	23	23	23	21	29	20	18
County Average (all strutting grounds)	5	5	5	23	23	6	11	10	5	5
% Change From Previous Year - Comparable Grounds	--	--	--	283	--	--	--	--	--	--
Morgan										
No. Strutting Grounds Counted	--	1	1	1	5	1	3	2	7	3
Total Male Grouse Counted	--	24	25	34	90	81	84	39	39	62
County Average (all strutting grounds)	--	24	25	34	18	81	28	20	6	21
% Change From Previous Year - Comparable Grounds	--	60	5	36	--	--	--	--	--	--
Rich										
No. Strutting Grounds Counted	29	26	23	22	16	27	26	33	37	41
Total Male Grouse Counted	325	273	278	339	356	559	897	846	725	824
County Average (all strutting grounds)	11	11	12	15	22	21	35	26	20	20
% Change From Previous Year - Comparable Grounds	-46	--	9	25	--	--	--	--	--	--
Summit										
No. Strutting Grounds Counted	1	8	--	--	--	--	3	--	8	--
Total Male Grouse Counted	15	--	--	--	--	--	1	--	16	--
County Average (all strutting grounds)	15	--	--	--	--	--	0	--	2	--
% Change From Previous Year - Comparable Grounds	-29	--	--	--	--	--	--	--	--	--
NORTHERN REGION TOTALS										
No. Strutting Grounds Counted	46	41	37	57	44	57	59	95	105	85
Total Male Grouse Counted	569	440	521	741	897	1,115	1,519	1,647	1,729	1,622
County Average (all strutting grounds)	14	18	15	21	21	31	23	17	12	16
% Change From Previous Year - Comparable Grounds	-33	--	--	--	--	--	--	--	--	--

Summary of Sage-grouse strutting ground counts by region and county, 1994-2003 (continued).

Central Region County	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Juab										
No. Strutting Grounds Counted	1	1	--	1	1	3	3	3	5	4
Total Male Grouse Counted	0	1	--	0	0	13	40	35	99	40
County Average (all strutting grounds)	0	1	--	0	0	4	13	12	20	10
% Change From Previous Year - Comparable Grounds	0	100	--	--	--	--	--	--	--	--
Sanpete										
No. Strutting Grounds Counted	--	--	--	--	--	--	--	--	--	--
Total Male Grouse Counted	--	--	--	--	--	--	--	--	--	--
County Average (all strutting grounds)	--	--	--	--	--	--	--	--	--	--
% Change From Previous Year - Comparable Grounds	--	--	--	--	--	--	--	--	--	--
Tooele										
No. Strutting Grounds Counted	4	4	3	4	4	2	3	3	2	2
Total Male Grouse Counted	12	12	17	36	24	80	103	117	102	63
County Average (all strutting grounds)	3	3	6	9	6	40	34	39	51	32
% Change From Previous Year - Comparable Grounds	-40	0	100	6	--	--	--	--	--	--
Wasatch										
No. Strutting Grounds Counted	2	2	2	2	2	3	2	3	3	3
Total Male Grouse Counted	24	24	34	46	42	59	41	39	24	68
County Average (all strutting grounds)	12	12	17	23	21	20	21	13	8	23
% Change From Previous Year - Comparable Grounds	-12	0	42	35	--	--	--	--	--	--
CENTRAL REGION TOTALS										
No. Strutting Grounds Counted	7	7	5	7	7	8	8	9	10	9
Total Male Grouse Counted	36	37	51	82	66	152	184	191	225	171
County Average (all strutting grounds)	5	5	12	11	9	21	23	21	26	21
% Change From Previous Year - Comparable Grounds	16	--	--	--	--	--	--	--	--	--

Summary of Sage-grouse strutting ground counts by region and county, 1994-2003 (continued).

Southern Region County	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Beaver										
No. Strutting Grounds Counted	4	7	7	4	4	6	7	7	7	7
Total Male Grouse Counted	57	57	79	32	22	96	68	94	76	55
County Average (all strutting grounds)	14	8	11	8	6	16	10	13	11	8
% Change From Previous Year - Comparable Grounds	--	-7	--	-53	--	--	--	--	--	--
Garfield										
No. Strutting Grounds Counted	11	11	11	12	13	14	13	15	14	15
Total Male Grouse Counted	145	139	89	126	254	245	324	306	172	168
County Average (all strutting grounds)	13	13	8	11	20	18	25	20	12	11
% Change From Previous Year - Comparable Grounds	78	0	--	36	--	--	--	--	--	--
Iron										
No. Strutting Grounds Counted	3	2	3	3	5	6	5	7	6	7
Total Male Grouse Counted	39	26	17	34	48	98	99	104	83	52
County Average (all strutting grounds)	13	13	6	11	10	16	20	15	14	7
% Change From Previous Year - Comparable Grounds	0	-14	--	-10	--	--	--	--	--	--
Kane										
No. Strutting Grounds Counted	2	3	3	3	3	3	2	3	3	3
Total Male Grouse Counted	1	2	0	4	18	20	11	17	11	5
County Average (all strutting grounds)	1	1	0	1	6	7	6	6	4	2
% Change From Previous Year - Comparable Grounds	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	--	--	--	--	--	--	--	--	--	--
Piute										
No. Strutting Grounds Counted	--	--	1	1	1	1	1	1	1	1
Total Male Grouse Counted	--	--	29	34	33	67	63	61	58	26
County Average (all strutting grounds)	--	--	29	34	33	67	63	61	58	26
% Change From Previous Year - Comparable Grounds	--	--	--	--	--	--	--	--	--	--
Sevier										
No. Strutting Grounds Counted	1	1	2	1	1	1	1	1	1	1
Total Male Grouse Counted	11	12	20	15	15	16	14	11	8	3
County Average (all strutting grounds)	11	12	10	15	15	16	14	11	8	3
% Change From Previous Year - Comparable Grounds	1,100	9	--	--	--	--	--	--	--	--
Wayne										
No. Strutting Grounds Counted	8	11	9	12	14	15	16	16	17	17
Total Male Grouse Counted	163	206	193	272	257	499	472	571	594	435
County Average (all strutting grounds)	20	19	21	23	18	33	30	36	35	26
% Change From Previous Year - Comparable Grounds	-8	11	--	--	--	--	--	--	--	--
SOUTHERN REGION TOTALS										
No. Strutting Grounds Counted	29	35	36	37	41	46	45	50	49	51
Total Male Grouse Counted	416	442	427	517	647	1,041	1,051	1,164	1,002	744
County Average (all strutting grounds)	14	13	12	14	16	23	23	23	20	15
% Change From Previous Year - Comparable Grounds	234	--	--	--	--	--	--	--	--	--

Summary of Sage-grouse strutting ground counts by region and county, 1994-2003 (continued).

Northeastern Region County	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Daggett										
No. Strutting Grounds Counted	3	5	6	6	5	2	6	6	6	5
Total Male Grouse Counted	11	25	32	23	25	19	84	62	57	101
County Average (all strutting grounds)	4	5	5	4	5	10	14	10	10	20
% Change From Previous Year - Comparable Grounds	-21	-18	28	-28	--	--	--	--	--	--
Duchesne										
No. Strutting Grounds Counted	9	5	5	7	8	7	7	2	7	5
Total Male Grouse Counted	37	40	22	32	26	46	57	55	34	10
County Average (all strutting grounds)	4	8	4	5	3	7	8	28	5	2
% Change From Previous Year - Comparable Grounds	-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	18	29	24	21	17	23	22	21	25	27
Total Male Grouse Counted	208	197	268	278	358	368	363	284	336	310
County Average (all strutting grounds)	12	7	11	13	21	16	17	14	13	11
% Change From Previous Year - Comparable Grounds	-4	-30	32	-3	--	--	--	--	--	--
Wasatch										
No. Strutting Grounds Counted	2	0	3	3	3	3	2	3	3	3
Total Male Grouse Counted	8	0	39	51	48	59	41	39	24	68
County Average (all strutting grounds)	4	0	13	17	16	20	21	13	8	23
% Change From Previous Year - Comparable Grounds	-11	13	-44	0	--	--	--	--	--	--
NORTHEASTERN REGION TOTALS										
No. Strutting Grounds Counted	33	39	38	37	33	35	37	32	41	40
Total Male Grouse Counted	264	262	361	384	457	492	545	440	451	489
County Average (all strutting grounds)	6	7	10	10	14	14	15	14	11	12
% Change From Previous Year - Comparable Grounds	-18	-22	22	--	--	--	--	--	--	--

Summary of Sage-grouse strutting ground counts by region and county, 1994-2003 (continued).

Southeastern Region County	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Carbon										
No. Strutting Grounds Counted	7	--	8	4	10	11	14	12	12	17
Total Male Grouse Counted	3	--	26	46	72	70	201	131	68	68
County Average (all strutting grounds)	0	--	3	12	7	6	14	11	6	4
% Change From Previous Year - Comparable Grounds	-79	--	--	--	--	--	--	--	--	--
Emery										
No. Strutting Grounds Counted	2	2	2	2	--	--	2	2	1	2
Total Male Grouse Counted	5	0	0	0	--	--	0	0	0	0
County Average (all strutting grounds)	3	0	0	0	--	--	0	0	0	0
% Change From Previous Year - Comparable Grounds	67	-250	0	--	--	--	--	--	--	--
San Juan										
No. Strutting Grounds Counted	4	4	4	4	4	5	5	5	5	5
Total Male Grouse Counted	41	40	29	26	32	46	57	47	35	30
County Average (all strutting grounds)	10	10	7	7	8	9	11	9	7	6
% Change From Previous Year - Comparable Grounds	-7	-2	-27	--	--	--	--	--	--	--
SOUTHEASTERN REGION TOTALS										
No. Strutting Grounds Counted	13	6	14	10	14	16	21	19	18	24
Total Male Grouse Counted	49	40	55	72	104	116	258	178	103	98
County Average (all strutting grounds)	4	7	4	7	7	7	12	9	6	4
% Change From Previous Year - Comparable Grounds	-6	--	--	--	--	--	--	--	--	--
STATE TOTALS (ALL REGIONS)										
No. Strutting Grounds Counted	128	128	130	148	139	162	170	205	223	209
Total Male Grouse Counted	1,334	1,221	1,415	1,796	2,171	2,916	3,557	3,620	3,510	3,124
County Average (all strutting grounds)	10	10	11	12	16	18	21	18	16	15
% Change From Previous Year - Comparable Grounds	39	-22	22	--	--	--	--	--	--	--

Statewide trends of Sage-grouse strutting ground counts, 1959-2003.

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	--
2001	205	3,620	17.7	--
2002	223	3,510	15.7	--
2003	209	3,124	14.9	--
Totals (1959-2003)	4,671	82,103	--	--
Averages (1959-2002)	101	1,795	19.72	--

Sage-grouse summer inventory, 2001.

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							Vehicle	Horse	Walk	Total		
Northern Region																		
Box Elder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	12	12	38	3.17	4	11	43	59	49	108	83	186	17	--	1	18	600	
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	12	12	38	3.17	4	11	43	59	49	108	83	186	17	--	--	18	600	
Central Region																		
Juab	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southern Region																		
Beaver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	18	18	56	3.11	16	30	64	98	86	184	88	--	--	23	--	23	800	
REGIONAL TOTALS	18	18	56	3.11	16	30	64	98	86	184	88	--	--	23	--	23	800	
Northeastern Region																		
Daggett	2	2	3	1.50	3	3	20	25	6	31	24	35	5	--	1	6	517	
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	28	28	138	4.93	10	31	22	60	169	229	282	294	12	--	--	12	1,908	
REGIONAL TOTALS	30	30	141	4.70	13	34	42	85	175	260	206	329	17	0	1	18	1,444	
Southeastern Region																		
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	60	60	235	3.92	33	75	149	242	310	552	128	515	34	23	1	58	952	

Sage-grouse summer inventory, 2002.

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	Vehicle	Horse	Walk		Total	
Northern Region																		
Box Elder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	7	7	25	3.57	3	6	34	44	31	75	70	185	17	--	1	18	417	
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	7	7	25	3.57	3	6	34	44	31	75	70	185	17	--	--	18	417	
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	7	7	25	3.57	3	6	34	44	31	75	70	185	17	0	0	17	441	

Sage-grouse summer inventory, 2003.

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							Vehicle	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	30	30	126	4.20	7	37	217	254	163	417	64	--	--	22	--	22	1,895	
REGIONAL TOTALS	30	30	126	4.20	7	37	217	254	163	417	64	--	--	22	--	22	1,895	
Northeastern Region																		
Daggett	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region																		
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	30	30	126	4.20	7	37	217	254	163	417	64	0	0	22	0	22	1,895	

Trend of Sage-grouse young per 100 adults, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Northern Region											
Box Elder	94	--	48	177	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--
Rich	433	41	222	129	--	--	40	83	70	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	145	40	175	115	--	--	41	83	70	--	96
Central Region											
Juab	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--
Tooele	156	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	156	--	--	--	--	--	--	--	--	--	156
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	450	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	109	315	109	111	88	--	64	--
REGIONAL TOTALS	--	--	129	109	315	109	116	88	--	64	144
Northeastern Region											
Daggett	600	263	244	200	500	--	200	24	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--
Uintah	263	192	300	325	228	--	111	282	--	--	--
REGIONAL TOTALS	532	418	332	444	236	--	116	206	--	--	326
Southeastern Region											
Carbon	--	--	--	--	91	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--
Grand	50	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	50	--	--	--	91	--	--	--	--	--	71
STATE TOTALS	244	122	196	165	264	109	104	128	74	64	156

Trend of average brood size for Sage-grouse, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Northern Region											
Box Elder	5.00	--	6.00	2.67	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--
Rich	4.33	5.33	5.19	3.96	--	--	1.00	3.17	3.57	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	4.50	5.33	5.26	3.64	--	--	1.00	3.17	3.57	--	3.78
Central Region											
Juab	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--
Tooele	4.00	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	4.00	--	--	--	--	--	--	--	--	--	4.00
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	4.50	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	4.64	4.32	4.04	4.24	3.11	--	4.20	--
REGIONAL TOTALS	--	--	4.80	4.64	4.32	4.04	4.27	3.11	--	4.20	4.20
Northeastern Region											
Daggett	6.00	4.20	3.67	2.00	5.00	--	1.00	1.50	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--
Uintah	5.25	4.17	5.86	5.48	4.57	--	4.00	4.93	--	--	--
REGIONAL TOTALS	5.32	4.18	5.20	5.35	4.61	--	3.33	4.70	--	--	4.67
Southeastern Region											
Carbon	--	--	--	--	5.00	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--
Grand	2.00	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	2.00	--	--	--	5.00	--	--	--	--	--	3.50
STATE TOTALS	4.86	4.43	5.19	4.43	4.51	4.04	3.18	3.92	3.57	4.20	4.24

Trend of Sage-grouse observed per 100 hours, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Northern Region											
Box Elder	413	4	--	300	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--
Rich	--	73	474	1,529	--	--	406	600	417	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	613	57	554	753	--	--	422	600	417	--	488
Central Region											
Juab	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--
Tooele	263	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	263	--	--	--	--	--	--	--	--	--	263
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	252	--	2,738	3,183	800	--	1,895	--
REGIONAL TOTALS	--	--	234	252	--	2,738	3,306	800	--	1,895	1,466
Northeastern Region											
Daggett	1,400	829	326	86	900	--	129	517	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--
Uintah	636	388	224	316	407	--	376	1,908	--	--	--
REGIONAL TOTALS	1,463	429	226	289	419	--	323	1,444	--	--	656
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--
Grand	240	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	80	--	--	--	--	--	--	--	--	--	80
STATE TOTALS	572	102	356	347	921	2,738	1,070	952	441	1,895	833

Summary of Sage-grouse hunter success and distribution of harvest and hunting pressure by region and county, 2001.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Sage-grouse Harvested	Sage-grouse Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder							
Subunit A	11	107	223	136	0.61	8.74	11.51
Subunit B	8	78	126	87	0.69	4.94	7.36
Subunit C	2	19	29	10	0.34	1.14	0.85
Subunit D	14	136	194	116	0.60	7.60	9.81
Subunit E	1	10	19	19	1.00	0.74	1.61
Subunit F	1	10	10	10	1.00	0.39	0.85
Cache	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--
Rich							
Subunit A	7	68	213	68	0.32	8.35	5.75
Subunit B	6	58	107	29	0.27	4.19	2.45
Subunit C	4	39	49	29	0.59	1.92	2.45
Subunit D	1	10	10	10	1.00	0.39	0.85
Summit	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--
REGIONAL TOTALS	55	535	980	514	0.52	38.40	43.49
Central Region							
Juab	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--
Tooele*	14	136	233	58	0.25	9.13	4.91
Utah	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--
REGIONAL TOTALS	14	136	233	58	0.25	9.13	4.91
Southern Region							
Beaver	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--
Parker Mountain	26	252	514	281	0.55	20.14	23.77
REGIONAL TOTALS	26	252	514	281	0.55	20.14	23.77
Northeastern Region							
Daggett	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--
Uintah							
Blue/Diamond Mtn.	27	262	640	252	0.39	25.08	21.32
Other	9	87	146	58	0.40	5.72	4.91
REGIONAL TOTALS	36	349	786	310	0.39	30.80	26.23
Southeastern Region							
Carbon	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Unknown	3	29	39	19	0.49	1.53	1.61
STATE TOTALS	128	1,242	2,552	1,182	0.46	100.00	100.00

*Although Tooele County was not an open hunt area for Sage-grouse, several hunters surveyed indicated to have hunted here.

Projection Factor = 9.7

1,940 Permits Sold, 200 (10%) Permittees Surveyed

Summary of Sage-grouse hunter success and distribution of harvest and hunting pressure by hunt unit, 2002.

Hunt Unit	Hunt Number	Total Permits	Projection Factor	Sample Size	Hunters Afield	Hunter-Days Afield	Sage-grouse Harvested	Sage-grouse Per Hunter-Day
West Box Elder								
Subunit A				9	30	86	43	0.50
Subunit B				6	20	30	20	0.67
Subunit C	#001	272	3.317	4	13	56	10	0.18
Subunit D				4	13	13	13	1.00
Subunit E				1	3	3	0	0.00
Subunit F				1	3	13	10	0.77
Unknown				33	109	176	106	0.60
WEST BOX ELDER TOTALS				58	191	377	202	0.54
Rich								
Subunit A				4	18	53	31	0.58
Subunit B	#002	66	4.4	1	4	4	0	0.00
Subunit C				1	4	18	0	0.00
Subunit D				1	4	4	9	2.25
Unknown				7	31	84	35	0.42
RICH TOTALS				14	61	163	75	0.46
Uintah Basin								
Blue Mountain	#003	145	2.736	12	33	63	22	0.35
Diamond Mountain				25	68	219	63	0.29
Unknown				2	5	5	0	0.00
UINTAH BASIN TOTALS				39	106	287	85	0.30
Parker Mountain								
Parker Mountain	#004	170	3.4	42	143	252	122	0.48
Unknown				6	20	41	27	0.66
PARKER MOUNTAIN TOTALS				48	163	293	149	0.51
STATE TOTALS		653		159	521	1,120	511	0.46

200 (31%) Permittees Surveyed

Summary of Sage-grouse hunter success and distribution of harvest and hunting pressure by hunt unit, 2003.

Hunt Unit	Hunt Number	Total Permits	Projection Factor	Sample Size	Hunters Afield	Hunter-Days Afield	Sage-grouse Harvested	Sage-grouse Per Hunter-Day
West Box Elder								
Subunit A				8	52	59	78	1.32
Subunit B				1	7	7	13	1.86
Subunit C	#001	431	6.530	0	0	0	0	0.00
Subunit D				0	0	0	0	0.00
Subunit E				0	0	0	0	0.00
Subunit F				0	0	0	0	0.00
Unknown				41	268	496	307	0.62
WEST BOX ELDER TOTALS				50	327	562	398	0.71
Rich								
Subunit A				1	6	6	0	0.00
Subunit B	#002	112	6.222	1	6	6	6	1.00
Subunit C				0	0	0	0	0.00
Subunit D				0	0	0	0	0.00
Unknown				14	87	180	112	0.62
RICH TOTALS				16	99	192	118	0.61
Uintah Basin								
Blue Mountain	#003	200	3.509	9	32	102	63	0.62
Diamond Mountain				28	98	228	123	0.54
Unknown				7	25	53	21	0.40
UINTAH BASIN TOTALS				44	155	383	207	0.54
Parker Mountain								
Parker Mountain	#004	211	3.638	42	153	262	247	0.94
Unknown				9	33	95	47	0.49
PARKER MOUNTAIN TOTALS				51	186	357	294	0.82
STATE TOTALS		954		161	767	1,494	1,017	0.68

199 (21%) Permittees Surveyed

Statewide summary of Sage-grouse harvest statistics, 1951-2003.

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 (estimated)	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
2001	1,242	1,182	2,552	0.46	0.95
2002	521	511	1,120	0.46	0.98
2003	767	1,017	1,494	0.68	1.33
Totals					
(1951-2003)	352,418	525,926	640,383	--	--
Averages					
(1951-2002)	6,763	10,094	15,583	0.65	1.49
% Change From					
Previous Year	47	99	33	49	35
% Change From					
Average	-89	-90	-90	5	-11

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

** Totals and indices based on indiscrete data.

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

Sage-grouse field bag check summary, 2001.

Region and County	Total Parties	Total Hunters	Total Hours	Total Harvest	Birds Per 100 Hrs	Birds Per Hunter
Northern Region						
Box Elder	--	81	321	55	17	0.68
Rich	--	--	--	--	--	--
REGIONAL TOTALS	--	81	321	55	17	0.68
Southern Region						
Wayne	--	77	294	50	17	0.65
REGIONAL TOTALS	--	77	294	50	17	0.65
Northeastern Region						
Daggett	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--
Uintah	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--
Southeastern Region						
Grand	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--
STATE TOTALS	--	158	615	105	17	0.66

Sage-grouse field bag check summary, 2002.

Region and County	Total Parties	Total Hunters	Total Hours	Total Harvest	Birds Per 100 Hrs	Birds Per Hunter
Northern Region						
Box Elder	--	93	347	109	31	1.17
Rich	--	--	--	--	--	--
REGIONAL TOTALS	--	93	347	109	31	1.17
Southern Region						
Wayne	--	33	136	18	13	0.55
REGIONAL TOTALS	--	33	136	18	13	0.55
Northeastern Region						
Daggett	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--
Uintah	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--
Southeastern Region						
Grand	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--
STATE TOTALS	--	126	483	127	26	1.01

Sage-grouse field bag check summary, 2003.

Region and County	Total Parties	Total Hunters	Total Hours	Total Harvest	Birds Per 100 Hrs	Birds Per Hunter
Northern Region						
Box Elder	44	135	606	161	27	1.19
Rich	--	--	--	--	--	--
REGIONAL TOTALS	44	135	606	161	27	1.19
Southern Region						
Wayne	--	37	141	22	16	0.59
REGIONAL TOTALS	--	37	141	22	16	0.59
Northeastern Region						
Daggett	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--
Uintah	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--
Southeastern Region						
Grand	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--
STATE TOTALS	--	172	747	183	24	1.06

Sage-grouse hunter success trend as determined by field bag checks, 1994-2003.

Region and County	Birds Per 100 Hours										Birds Per Hunter									
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Northern Region																				
Box Elder	21	23	14	9	--	--	--	17	31	27	0.98	0.58	0.63	0.34	--	--	--	0.68	1.17	1.19
Cache	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	8	17	14	6	--	--	--	--	--	--	0.51	0.33	0.48	0.17	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	15	21	14	8	--	--	--	17	31	27	0.80	0.48	0.53	0.27	--	--	--	0.68	1.17	1.19
Central Region																				
Juab	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southern Region																				
Beaver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	7	6	11	8	19	12	--	17	13	16	0.30	0.42	0.49	0.43	0.71	0.53	--	0.65	0.55	0.59
REGIONAL TOTALS	7	6	11	8	19	12	--	17	13	16	0.30	0.42	0.49	0.43	0.71	0.53	--	0.65	0.55	0.59
Northeastern Region																				
Daggett	--	0	--	--	--	--	--	--	--	--	--	0.00	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	23	27	--	--	--	--	--	--	--	--	0.78	0.94	--	--	--	--	--	--	--	--
REGIONAL TOTALS	23	16	--	--	--	--	--	--	--	--	0.78	0.50	--	--	--	--	--	--	--	--
Southeastern Region																				
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	14	15	13	8	19	12	--	17	26	24	0.70	0.47	0.53	0.32	0.71	0.53	--	0.66	1.01	1.06

Sex and age composition of harvested Sage-grouse, 2001*.

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	3	15	18	--	--	--	17	14	31	49	207	172
Cache	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	3	15	18	0	0	0	17	14	31	49	207	172
Central Region												
Juab	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
Southern Region												
Beaver	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--	--
Parker Mountain	18	19	37	20	31	51	32	32	64	152	128	73
REGIONAL TOTALS	18	19	37	20	31	51	32	32	64	152	128	73
Northeastern Region												
Daggett	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--
Blue Mountain	--	--	--	--	--	--	--	--	--	--	--	--
Diamond Mountain	4	2	6	7	17	24	10	19	29	59	153	97
REGIONAL TOTALS	4	2	6	7	17	24	10	19	29	59	153	97
Southeastern Region												
Carbon	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	25	36	61	27	48	75	59	65	124	260	148	91

*Information based on wing collection data.

Sex and age composition of harvested Sage-grouse, 2002*.

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	8	20	28	--	--	--	19	34	53	81	265	189
Cache	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	8	20	28	0	0	0	19	34	53	81	265	189
Central Region												
Juab	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
Southern Region												
Beaver	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--	--
Parker Mountain	6	12	18	10	9	19	17	18	35	72	167	95
REGIONAL TOTALS	6	12	18	10	9	19	17	18	35	72	167	95
Northeastern Region												
Daggett	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--
Blue Mountain	1	1	2	1	2	3	1	1	2	7	67	40
Diamond Mountain	2	3	5	0	5	5	3	3	6	16	75	60
REGIONAL TOTALS	3	4	7	1	7	8	4	4	8	23	73	53
Southeastern Region												
Carbon	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	17	36	53	11	16	27	40	56	96	176	185	120

*Information based on wing collection data.

Sex and age composition of harvested Sage-grouse, 2003*.

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	12	32	44	--	--	--	29	51	80	124	250	182
Cache	--	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	12	32	44	0	0	0	29	51	80	124	250	182
Central Region												
Juab	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
Southern Region												
Beaver	--	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--	--
Parker Mountain	8	23	31	4	29	33	27	44	71	135	137	111
REGIONAL TOTALS	8	23	31	4	29	33	27	44	71	135	137	111
Northeastern Region												
Daggett	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--
Blue Mountain	--	--	--	--	--	--	--	--	--	--	--	--
Diamond Mountain	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region												
Carbon	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	20	55	75	4	29	33	56	95	151	259	180	140

*Information based on wing collection data.

Trends of sex and age composition of Sage-grouse harvested, 1973-2003*.

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
2001	260	43	57	148	91
2002***	176	39	61	185	120
2003	259	31	69	180	140
Averages (1973-2002)	853	41	59	153	208
% Change From Previous Year	47	-21	13	-3	17
% Change From Average	-70	-24	16	18	-33

*Information based on wing collection data.

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

***Permits were limited beginning in 2002.

FOREST GROUSE

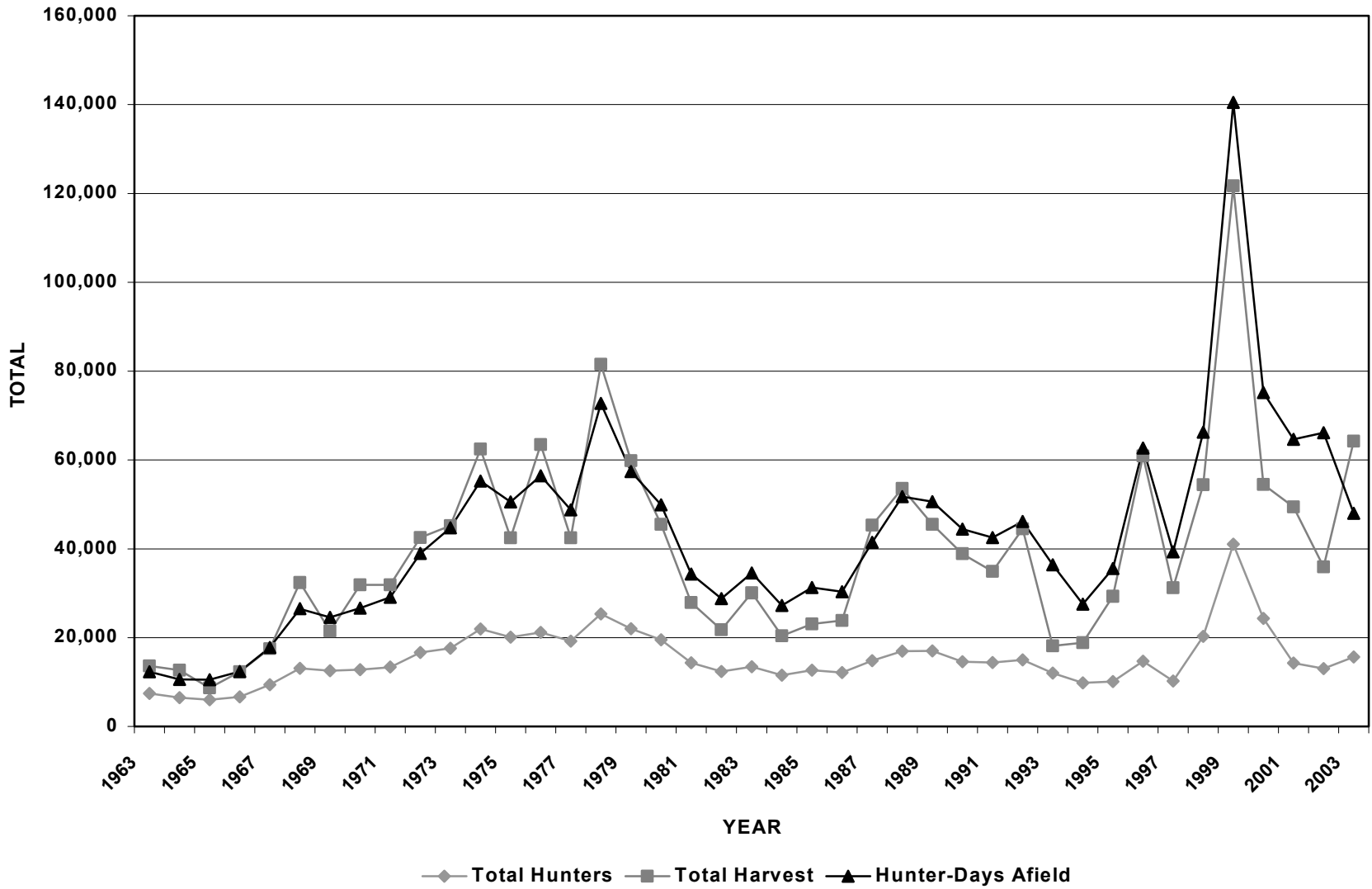
Blue Grouse



Ruffed Grouse

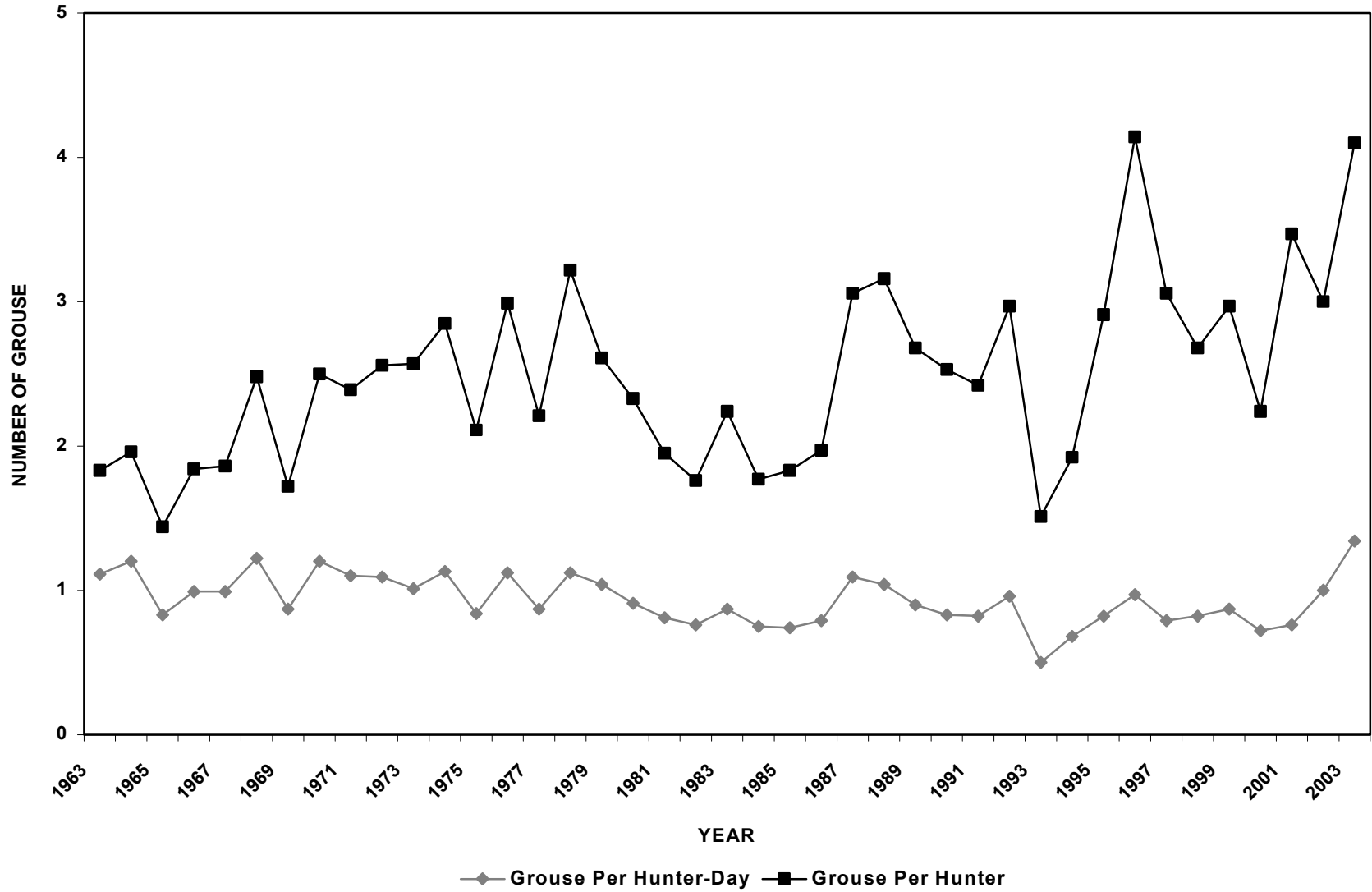


Statewide trends of Forest Grouse harvest statistics, 1963-2003.



Statewide trends of Forest Grouse hunter success rates, 1963-2003.

103



Ruffed Grouse summer inventory, 2001.

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				Grouse Per 100 Hrs
	#	Adults	Young		Adults	Young						Vehicle	Horse	Walk	Total	
Northern Region																
Box Elder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cache	4	4	16	4.00	--	--	1	5	16	320	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	4	4	16	4.00	--	--	1	5	16	320	--	--	--	--	--	--
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	0	0	0	0.00	2	3	0	2	3	150	0	0	3	0	3	167
REGIONAL TOTALS	0	0	0	0.00	2	3	0	2	3	150	0	0	3	0	3	167
Southeastern Region																
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	4	4	16	4.00	2	3	1	7	19	271	0	0	3	0	3	167

Trend of Ruffed Grouse young per 100 adults, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Northern Region											
Box Elder	--	--	--	--	--	--	--	--	--	--	--
Cache	--	--	233	--	--	--	--	320	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	471	--	--	--	--	--	--	
Summit	--	--	--	--	--	--	--	--	--	--	
Weber	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	233	471	--	--	--	320	--	--	342
Central Region											
Juab	--	--	--	--	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	--	--	--	--	--	--	--	--	--	
Tooele	--	--	--	--	--	--	225	--	--	--	
Utah	--	--	--	--	--	--	--	--	--	--	
Wasatch	--	--	400	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	400	--	--	--	180	--	--	--	290
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	--	--	200	--	--	--	
Iron	--	--	--	--	--	--	--	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	600	433	--	--	--	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	--	600	254	--	--	--	427
Northeastern Region											
Daggett	400	--	--	100	--	--	700	--	--	--	
Duchesne	--	--	--	--	--	--	400	--	--	--	
Uintah	--	--	--	--	--	--	450	150	--	--	
REGIONAL TOTALS	400	--	--	100	--	--	440	150	--	--	273
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	--	--	--	--	--	--	--	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	400	--	285	425	--	600	307	271	--	--	381

Trend of average brood size for Ruffed Grouse, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Northern Region											
Box Elder	--	--	--	--	--	--	--	--	--	--	--
Cache	--	--	2.33	--	--	--	--	4.00	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	8.67	--	--	--	--	--	--	
Summit	--	--	--	--	--	--	--	--	--	--	
Weber	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	2.33	8.67	--	--	--	4.00	--	--	5.00
Central Region											
Juab	--	--	--	--	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	--	--	--	--	--	--	--	--	--	
Tooele	--	--	--	--	--	--	4.50	--	--	--	
Utah	--	--	--	--	--	--	--	--	--	--	
Wasatch	--	--	4.00	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	4.00	--	--	--	4.50	--	--	--	4.25
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	--	--	4.00	--	--	--	
Iron	--	--	--	--	--	--	--	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	6.00	4.33	--	--	--	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	--	6.00	4.20	--	--	--	5.10
Northeastern Region											
Daggett	4.00	--	--	1.00	--	--	7.00	--	--	--	
Duchesne	--	--	--	--	--	--	2.00	--	--	--	
Uintah	--	--	--	--	--	--	4.50	0.00	--	--	
REGIONAL TOTALS	4.00	--	--	1.00	--	--	4.50	0.00	--	--	2.38
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	--	--	--	--	--	--	--	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	4.00	--	3.00	6.75	--	6.00	4.36	4.00	--	--	4.69

Trend of Ruffed Grouse observed per 100 hours, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Northern Region											
Box Elder	--	--	--	--	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
Central Region											
Juab	--	--	--	--	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	21	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wasatch	--	--	1,000	--	--	--	17	--	--	--	--
REGIONAL TOTALS	--	--	1,000	--	--	--	21	--	--	--	511
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
Northeastern Region											
Daggett	50	--	--	80	--	--	267	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	275	167	--	--	--
REGIONAL TOTALS	50	--	--	80	--	--	771	167	--	--	267
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	31	--	2,500	336	--	--	152	167	--	--	637

Blue Grouse summer inventory, 2001.

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				Grouse Per 100 Hrs
	#	Adults	Young		Adults	Young						Vehicle	Horse	Walk	Total	
Northern Region																
Box Elder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cache	2	2	10	5.00	--	--	2	4	10	250	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Summit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	2	2	10	5.00	--	--	2	4	10	250	--	--	--	--	--	--
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	1	1	5	5.00	0	0	0	1	5	500	5	0.5	0	0	0.5	1,200
Duchesne	--	--	--	--	3	2	--	3	2	67	--	--	--	--	--	--
Uintah	2	2	5	2.50	0	0	0	2	5	250	0	0	12	0	12	58
REGIONAL TOTALS	3	3	10	3.33	3	2	0	6	12	200	5	0.5	12	0	12.5	144
Southeastern Region																
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	5	5	20	4.00	3	2	2	10	22	220	5	0.5	12	0	12.5	256

Trend of Blue Grouse young per 100 adults, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Northern Region											
Box Elder	173	--	--	--	--	--	100	--	--	--	
Cache	--	--	400	--	--	--	--	250	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	220	--	--	--	--	--	--	
Summit	--	--	--	--	--	--	--	--	--	--	
Weber	--	--	--	300	--	--	--	--	--	--	
REGIONAL TOTALS	173	--	400	248	--	--	100	250	--	--	234
Central Region											
Juab	140	--	--	--	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	--	--	--	--	--	--	--	--	--	
Tooele	40	--	--	--	--	--	90	--	--	--	
Utah	75	--	--	--	--	--	--	--	--	--	
Wasatch	--	--	--	--	--	--	136	--	--	--	
REGIONAL TOTALS	75	--	--	--	--	--	122	--	--	--	99
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	150	294	500	--	--	--	
Iron	--	--	--	--	213	--	145	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	200	208	114	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	250	367	229	--	--	--	
Washington	--	--	--	--	57	300	--	--	--	--	
Wayne	--	--	--	--	350	--	160	--	--	--	
REGIONAL TOTALS	--	--	--	--	224	277	184	--	--	--	228
Northeastern Region											
Daggett	--	100	450	175	220	--	--	500	--	--	
Duchesne	--	--	--	--	--	--	67	67	--	--	
Uintah	--	350	300	--	--	--	150	250	--	--	
REGIONAL TOTALS	--	267	330	175	220	--	100	200	--	--	215
Southeastern Region											
Carbon	--	--	--	--	286	--	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	200	--	--	400	--	--	70	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	200	--	--	400	286	--	70	--	--	--	239
STATE TOTALS	167	267	336	253	232	277	156	220	--	--	239

Trend of average brood size for Blue Grouse, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Northern Region											
Box Elder	3.80	--	--	--	--	--	--	--	--	--	--
Cache	--	--	4.00	--	--	--	--	5.00	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	4.29	--	--	--	--	--	--	
Summit	--	--	--	--	--	--	--	--	--	--	
Weber	--	--	--	5.33	--	--	--	--	--	--	
REGIONAL TOTALS	3.80	--	4.00	4.60	--	--	--	5.00	--	--	4.35
Central Region											
Juab	3.50	--	--	--	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	--	--	--	--	--	--	--	--	--	
Tooele	2.00	--	--	--	--	--	5.00	--	--	--	
Utah	3.00	--	--	--	--	--	--	--	--	--	
Wasatch	--	--	--	--	--	--	2.50	--	--	--	
REGIONAL TOTALS	3.00	--	--	--	--	--	3.33	--	--	--	3.17
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	--	--	--	--	4.00	--	3.20	--	--	--	
REGIONAL TOTALS	--	--	--	--	3.29	3.81	3.94	--	--	--	3.68
Northeastern Region											
Daggett	--	1.00	4.50	1.75	3.67	--	--	5.00	--	--	
Duchesne	--	--	--	--	--	--	--	--	--	--	
Uintah	--	3.50	4.00	--	--	--	3.00	2.50	--	--	
REGIONAL TOTALS	--	2.67	4.14	1.75	3.67	--	3.00	3.33	--	--	3.09
Southeastern Region											
Carbon	--	--	--	--	4.00	--	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	4.00	--	--	4.00	--	--	2.33	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	4.00	--	--	4.00	4.00	--	2.33	--	--	--	3.58
STATE TOTALS	3.69	2.67	4.13	3.82	3.48	3.81	3.76	4.00	--	--	3.67

Trend of Blue Grouse observed per 100 hours, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Northern Region											
Box Elder	750	--	--	0	--	--	25	--	--	--	
Cache	--	--	--	--	--	--	--	--	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	--	--	--	--	--	--	--	
Summit	--	--	--	--	--	--	--	--	--	--	
Weber	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	750	--	--	800	--	--	25	--	--	--	525
Central Region											
Juab	600	--	--	--	--	--	--	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	--	--	--	--	--	--	--	--	--	
Tooele	350	--	--	--	--	--	72	--	--	--	
Utah	350	--	--	--	--	--	--	--	--	--	
Wasatch	--	--	--	--	--	--	96	--	--	--	
REGIONAL TOTALS	433	--	--	--	--	--	88	--	--	--	261
Southern Region											
Beaver	--	--	--	--	--	--	--	--	--	--	
Garfield	--	--	--	--	--	--	--	--	--	--	
Iron	--	--	--	--	--	--	--	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	--	--	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	--	--	--	--	--	--	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
Northeastern Region											
Daggett	--	200	--	183	1,067	--	--	1,200	--	--	
Duchesne	--	--	--	--	--	--	--	--	--	--	
Uintah	50	150	-	--	--	--	333	58	--	--	
REGIONAL TOTALS	8	157	--	183	1,067	--	667	144	--	--	371
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	467	--	--	--	--	--	262	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	467	--	--	--	--	--	262	--	--	--	364
STATE TOTALS	384	157	--	663	1,067	--	348	256	--	--	479

Summary of Blue and Ruffed Grouse hunter success and distribution of harvest and hunting pressure by region and county, 2001.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Grouse Bagged	Grouse Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	20	641	1,698	1,250	0.74	2.63	2.53
Cache	82	2,628	13,266	10,831	0.82	20.53	21.92
Davis	23	737	2,019	929	0.46	3.12	1.88
Morgan	12	385	1,794	1,634	0.91	2.78	3.31
Rich	19	609	3,268	1,186	0.36	5.06	2.40
Summit	33	1,057	3,813	3,268	0.86	5.90	6.61
Weber	33	1,057	3,333	3,301	0.99	5.16	6.68
REGIONAL TOTALS	222	7,114	29,191	22,399	0.77	45.16	45.33
Central Region							
Juab	16	513	3,076	1,506	0.49	4.76	3.05
Salt Lake	10	320	769	385	0.50	1.19	0.78
Sanpete	26	833	2,948	2,948	1.00	4.56	5.97
Tooele	6	192	609	449	0.74	0.94	0.91
Utah	62	1,987	7,338	6,088	0.83	11.35	12.32
Wasatch	47	1,506	6,217	5,576	0.90	9.62	11.28
REGIONAL TOTALS	167	5,351	20,957	16,952	0.81	32.43	34.31
Southern Region							
Beaver	11	352	609	513	0.84	0.94	1.04
Garfield	5	160	705	577	0.82	1.09	1.17
Iron	8	256	929	609	0.66	1.44	1.23
Kane	1	32	64	32	0.50	0.10	0.06
Millard	4	128	481	481	1.00	0.74	0.97
Piute	4	128	320	96	0.30	0.50	0.19
Sevier	18	577	2,051	1,410	0.69	3.17	2.85
Washington	1	32	96	0	0.00	0.15	0.00
Wayne	1	32	32	32	1.00	0.05	0.06
REGIONAL TOTALS	53	1,697	5,287	3,750	0.71	8.18	7.59
Northeastern Region							
Daggett	10	320	1,154	673	0.58	1.79	1.36
Duchesne	20	641	1,987	1,378	0.69	3.07	2.79
Uintah	18	577	2,403	929	0.39	3.72	1.88
REGIONAL TOTALS	48	1,538	5,544	2,980	0.54	8.58	6.03
Southeastern Region							
Carbon	13	417	865	1,025	1.18	1.34	2.07
Emery	13	417	1,282	1,378	1.07	1.98	2.79
Grand	2	64	128	256	2.00	0.20	0.52
San Juan	5	160	545	320	0.59	0.84	0.65
REGIONAL TOTALS	33	1,058	2,820	2,979	1.06	4.36	6.03
Unknown	7	224	833	352	0.42	1.29	0.71
STATE TOTALS*	445	14,260	64,632	49,412	0.76	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Blue and Ruffed Grouse hunter success and distribution of harvest and hunting pressure by region and county, 2002.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Grouse Bagged	Grouse Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	29	868	4,340	2,724	0.63	6.56	7.58
Cache	75	2,245	11,374	6,944	0.61	17.20	19.32
Davis	14	419	988	868	0.88	1.49	2.41
Morgan	14	419	1,347	1,347	1.00	2.04	3.75
Rich	20	599	2,724	1,227	0.45	4.12	3.41
Summit	33	988	3,861	3,263	0.85	5.84	9.08
Weber	30	898	6,555	2,544	0.39	9.91	7.08
REGIONAL TOTALS	215	6,436	31,189	18,917	0.61	47.17	52.62
Central Region							
Juab	13	389	1,317	569	0.43	1.99	1.58
Salt Lake	7	210	449	569	1.27	0.68	1.58
Sanpete	12	359	958	868	0.91	1.45	2.41
Tooele	10	299	808	329	0.41	1.22	0.92
Utah	42	1,257	4,280	3,412	0.80	6.47	9.49
Wasatch	28	838	3,322	2,125	0.64	5.02	5.91
REGIONAL TOTALS	112	3,352	11,134	7,872	0.71	16.84	21.90
Southern Region							
Beaver	5	150	269	180	0.67	0.41	0.50
Garfield	6	180	688	269	0.39	1.04	0.75
Iron	9	269	4,011	688	0.17	6.07	1.91
Kane	1	30	120	60	0.50	0.18	0.17
Millard	3	90	180	120	0.67	0.27	0.33
Piute	4	120	299	239	0.80	0.45	0.66
Sevier	21	629	2,005	1,227	0.61	3.03	3.41
Washington	0	0	0	0	0.00	0.00	0.00
Wayne	6	180	509	269	0.53	0.77	0.75
REGIONAL TOTALS	55	1,648	8,081	3,052	0.38	12.22	8.49
Northeastern Region							
Daggett	6	180	269	210	0.78	0.41	0.58
Duchesne	12	359	1,197	479	0.40	1.81	1.33
Uintah	16	479	1,886	509	0.27	2.85	1.42
REGIONAL TOTALS	34	1,018	3,352	1,198	0.36	5.07	3.33
Southeastern Region							
Carbon	9	269	658	569	0.86	1.00	1.58
Emery	5	150	629	599	0.95	0.95	1.67
Grand	4	120	3,203	90	0.03	4.84	0.25
San Juan	6	180	3,382	150	0.04	5.12	0.42
REGIONAL TOTALS	24	719	7,872	1,408	0.18	11.91	3.92
Unknown	57	1,706	4,490	3,502	0.78	6.79	9.74
STATE TOTALS*	435	13,020	66,118	35,949	0.54	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Blue and Ruffed Grouse hunter success and distribution of harvest and hunting pressure by region and county, 2003.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Grouse Bagged	Grouse Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	31	925	1,612	2,029	1.26	3.36	3.16
Cache	120	3,582	13,311	19,370	1.46	27.72	30.16
Davis	17	507	1,045	1,581	1.51	2.18	2.46
Morgan	14	418	1,134	2,268	2.00	2.36	3.53
Rich	19	567	1,671	4,715	2.82	3.48	7.34
Summit	43	1,283	3,074	4,745	1.54	6.40	7.39
Weber	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	244	7,282	21,847	34,708	1.59	45.49	54.04
Central Region							
Juab	6	179	119	358	3.01	0.25	0.56
Salt Lake	14	418	657	597	0.91	1.37	0.93
Sanpete	25	746	1,403	2,387	1.70	2.92	3.72
Tooele	8	239	119	328	2.76	0.25	0.51
Utah	49	1,462	3,970	4,208	1.06	8.27	6.55
Wasatch	48	1,433	6,298	4,984	0.79	13.12	7.76
REGIONAL TOTALS	150	4,477	12,566	12,862	1.02	26.17	20.03
Southern Region							
Beaver	8	239	328	537	1.64	0.68	0.84
Garfield	8	239	478	597	1.25	1.00	0.93
Iron	13	388	1,074	1,105	1.03	2.24	1.72
Kane	1	30	179	179	1.00	0.37	0.28
Millard	3	90	179	328	1.83	0.37	0.51
Piute	6	179	358	299	0.84	0.75	0.47
Sevier	22	657	2,686	2,596	0.97	5.59	4.04
Washington	2	60	149	269	1.81	0.31	0.42
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	63	1,882	5,431	5,910	1.09	11.31	9.20
Northeastern Region							
Daggett	3	90	90	120	1.33	0.19	0.19
Duchesne	19	567	1,731	1,701	0.98	3.60	2.65
Uintah	15	448	716	1,015	1.42	1.49	1.58
REGIONAL TOTALS	37	1,105	2,537	2,836	1.12	5.28	4.42
Southeastern Region							
Carbon	8	239	1,850	1,790	0.97	3.85	2.79
Emery	2	60	119	150	1.26	0.25	0.23
Grand	2	60	149	238	1.60	0.31	0.37
San Juan	1	30	30	90	3.00	0.06	0.14
REGIONAL TOTALS	13	389	2,148	2,268	1.06	4.47	3.53
Unknown	40	1,194	3,492	5,641	1.62	7.27	8.78
STATE TOTALS*	525	15,669	48,021	64,225	1.34	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Statewide summary of Forest Grouse harvest statistics, 1963-2003.

Year	Total		Ruffed		Blue		Unknown		Total Harvest	Total Hunter-Days Afield	Grouse Per Hunter-Day			Grouse Per Hunter		
	Hunters	Total	Percent	Total	Percent	Total	Percent	Ruffed			Blue	Total	Ruffed	Blue	Total	
1963	7,425	5,470	40.20	7,372	54.17	766	5.63	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	652	5.14	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	520	6.00	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	696	5.65	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	2,277	12.99	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	2,762	8.52	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	1,589	7.39	21,498	24,572	0.38	0.42	0.87	0.76	0.83	1.72	
1970	12,775	15,590	48.87	13,515	42.37	2,793	8.76	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	2,393	7.50	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	2,649	6.23	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	1,233	2.73	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	5,642	9.04	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	3,573	8.41	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	4,225	6.66	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	3,256	7.67	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	4,567	5.60	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	3,625	6.06	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	2,477	5.44	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	1,485	5.32	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	2,131	9.79	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	1,767	5.87	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	969	4.75	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	980	4.24	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	894	3.75	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	1,447	3.19	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	2,906	5.43	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	1,370	3.01	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	1,797	4.62	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	1,514	4.34	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	355	0.80	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	457	2.52	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	89	0.47	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	0.00	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	0.00	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	0.00	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	27,080	49.74	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	60,949	50.08	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	1,338	2.46	54,456	75,199	0.38	0.32	0.72	1.18	1.00	2.24	
2001	14,260	24,257	49.09	23,905	48.38	1,250	2.53	49,412	64,632	0.38	0.37	0.76	1.70	1.68	3.47	
2002	13,020	16,253	45.21	17,151	47.71	2,543	7.07	35,949	66,118	0.25	0.26	0.54	1.25	1.32	2.76	
2003	15,669	32,236	50.19	31,997	49.82	0	0.00	64,225	48,021	0.67	0.67	1.34	2.06	2.04	4.10	
Totals																
(1963-2003)	625,856	622,099	--	837,375	--	157,016	--	1,616,484	1,770,637	--	--	--	--	--	--	
Averages																
(1963-2002)	15,255	14,747	39.23	20,134	53.39	3,925	7.38	38,806	43,065	0.36	0.49	0.91	0.96	1.30	2.44	
% Change From																
Previous Year	20	98	11	87	4	-100	-100	79	-27	173	157	146	65	55	48	
% Change From																
Average	3	119	28	59	-7	-100	-100	66	12	85	37	47	115	57	68	

Blue and Ruffed Grouse harvest statistics and hunt regulations, 1963-2003.

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
2001	24,257	23,905	49,412	14,260	64,632	9/8	11/30	83	4	8
2002	16,253	17,151	35,949	13,020	66,118	9/14	11/30	78	4	8
2003	32,236	31,997	64,225	15,669	48,021	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.

QUAIL

California Quail

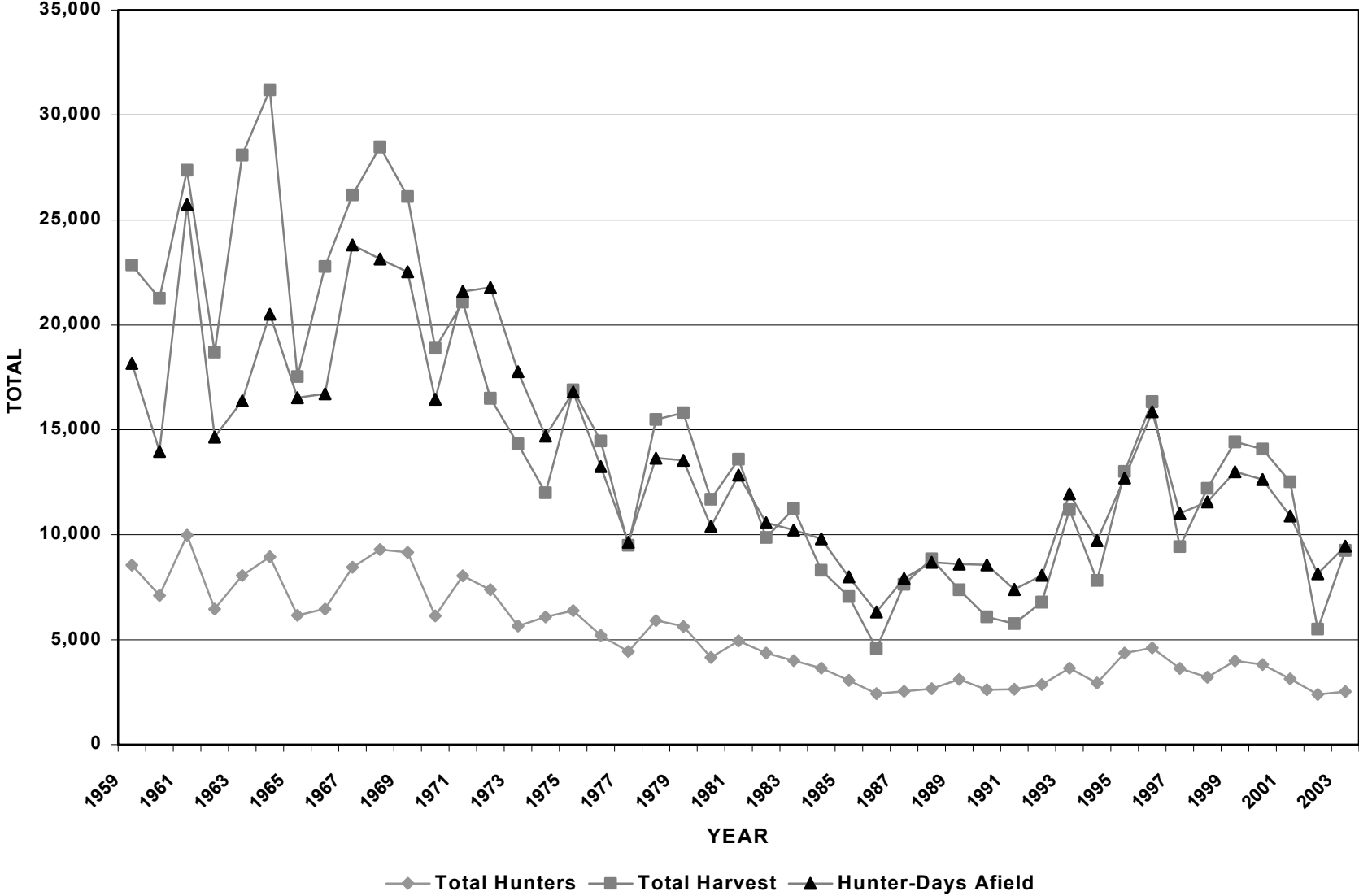


Gambel's Quail

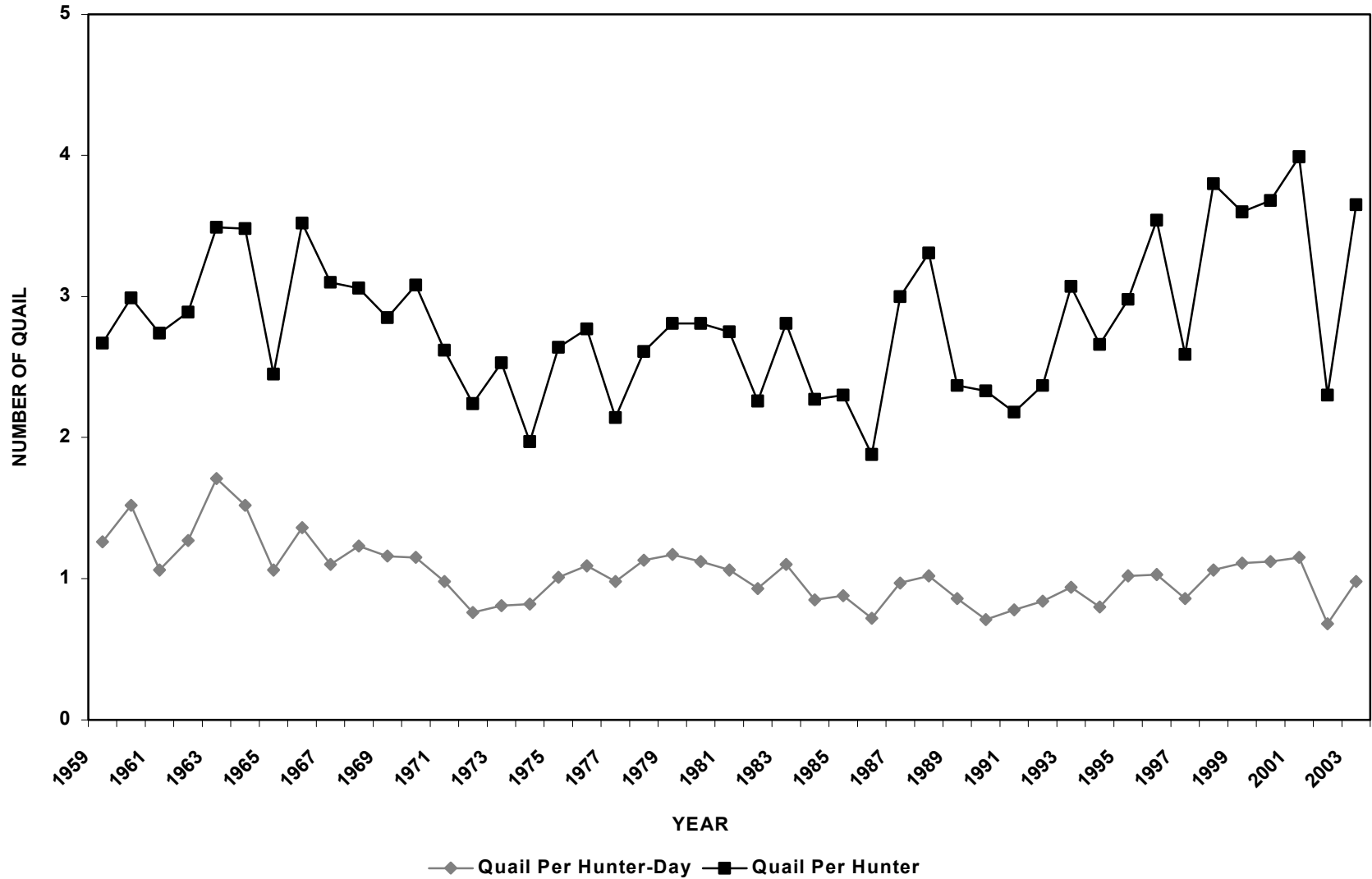


Statewide trends of quail harvest statistics, 1959-2003.

120



Statewide trends of quail hunter success rates, 1959-2003.



Quail summer inventory, 2001.

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	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington*	23	23	95	4.13	94	133	26	143	228	159	--	--	--	--	10	3,710
Wayne*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	23	23	95	4.13	94	133	26	143	228	159	--	--	--	--	10	3,710
Northeastern Region																
Daggett	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region																
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	23	23	95	4.13	94	133	26	143	228	159	--	--	--	--	10	3,710

*Washington, Kane, and Wayne counties - Gambel's Quail; all other counties - California Quail.

Quail summer inventory, 2003.

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	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington*	33	35	144	4.36	8	123	16	59	267	453	--	--	--	--	9.25	3,524
Wayne*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	33	35	144	4.36	8	123	16	59	267	453	--	--	--	--	9.25	3,524
Northeastern Region																
Daggett	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region																
Carbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	33	35	144	4.36	8	123	16	59	267	453	--	--	--	--	9.25	3,524

*Washington, Kane, and Wayne counties - Gambel's Quail; all other counties - California Quail.

Trend of Quail young per 100 adults, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
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	--	--	--	--	--	--	--	--	--	--	--
Washington*	132	194	--	290	482	80	557	159	--	453	--
Wayne*	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	132	194	--	290	482	80	557	159	--	453	271
Northeastern Region											
Daggett	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	132	194	--	290	482	80	557	159	--	453	271

*Washington, Kane and Wayne counties - Gambel's Quail; all other counties - California Quail.

Trend of average brood size for Quail, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
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	--	--	--	--	--	--	--	--	--	--	--
Washington*	6.00	6.60	--	6.67	10.26	2.82	12.32	4.13	--	4.36	
Wayne*	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	6.00	6.60	--	6.67	10.26	2.82	12.32	4.13	--	4.36	6.97
Northeastern Region											
Daggett	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	6.00	6.60	--	6.67	10.26	2.82	12.32	4.13	--	4.36	6.97

*Washington, Kane, and Wayne counties - Gambel's Quail; all other counties - California Quail.

Trend of Quail observed per 100 hours, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
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	--	--	--	--	--	--	--	--	--	--	--
Washington*	2,963	1,250	--	2,343	8,143	--	--	3,710	--	3,524	--
Wayne*	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	2,963	1,250	--	2,343	8,143	--	--	3,710	--	3,524	3,682
Northeastern Region											
Daggett	--	--	--	--	--	--	--	--	--	--	--
Duchesne	--	--	--	--	--	--	--	--	--	--	--
Uintah	--	1,520	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	1,520	--	--	--	--	--	--	--	--	1,520
Southeastern Region											
Carbon	--	--	--	--	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--	--	--	--	--
STATE TOTALS	2,963	1,400	--	2,343	8,143	--	--	3,710	--	3,524	3,712

*Washington, Kane, and Wayne counties - Gambel's Quail; all other counties - California Quail.

Summary of quail hunter success and distribution of harvest and hunting pressure by region and county, 2001.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Quail Bagged	Quail Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	2	64	96	32	0.33	0.88	0.26
Cache	2	64	64	0	0.00	0.59	0.00
Davis	0	0	0	0	0.00	0.00	0.00
Morgan	0	0	0	0	0.00	0.00	0.00
Rich	0	0	0	0	0.00	0.00	0.00
Summit	0	0	0	0	0.00	0.00	0.00
Weber	7	224	641	224	0.35	5.88	1.79
REGIONAL TOTALS	11	352	801	256	0.32	7.35	2.04
Central Region							
Juab	2	64	160	0	0.00	1.47	0.00
Salt Lake	1	32	160	192	1.20	1.47	1.53
Sanpete	2	64	160	0	0.00	1.47	0.00
Tooele	2	64	128	0	0.00	1.17	0.00
Utah	10	320	865	1,314	1.52	7.94	10.49
Wasatch	2	64	128	0	0.00	1.17	0.00
REGIONAL TOTALS	19	608	1,601	1,506	0.94	14.70	12.02
Southern Region							
Beaver	0	0	0	0	0.00	0.00	0.00
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	1	32	64	96	1.50	0.59	0.77
Kane	0	0	0	0	0.00	0.00	0.00
Millard	1	32	128	192	1.50	1.17	1.53
Piute	0	0	0	0	0.00	0.00	0.00
Sevier	1	32	96	0	0.00	0.88	0.00
Washington	15	481	2,211	5,095	2.30	20.30	40.67
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	18	577	2,499	5,383	2.15	22.94	42.97
Northeastern Region							
Daggett	1	32	32	0	0.00	0.29	0.00
Duchesne	22	705	2,628	3,525	1.34	24.12	28.14
Uintah	19	609	1,923	865	0.45	17.65	6.90
REGIONAL TOTALS	42	1,346	4,583	4,390	0.96	42.07	35.04
Southeastern Region							
Carbon	3	96	192	192	1.00	1.76	1.53
Emery	10	320	1,154	673	0.58	10.59	5.37
Grand	0	0	0	0	0.00	0.00	0.00
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	13	416	1,346	865	0.64	12.36	6.90
Unknown	2	64	64	128	2.00	0.59	1.02
STATE TOTALS*	98	3,140	10,894	12,528	1.15	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of quail hunter success and distribution of harvest and hunting pressure by region and county, 2002.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Quail Bagged	Quail Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	5	150	658	210	0.32	8.08	3.81
Cache	4	120	239	239	1.00	2.94	4.34
Davis	4	120	389	150	0.39	4.78	2.72
Morgan	0	0	0	0	0.00	0.00	0.00
Rich	0	0	0	0	0.00	0.00	0.00
Summit	0	0	0	0	0.00	0.00	0.00
Weber	2	60	60	0	0.00	0.74	0.00
REGIONAL TOTALS	15	450	1,346	599	0.45	16.53	10.88
Central Region							
Juab	0	0	0	0	0.00	0.00	0.00
Salt Lake	1	30	30	0	0.00	0.37	0.00
Sanpete	1	30	299	898	3.00	3.67	16.30
Tooele	0	0	0	0	0.00	0.00	0.00
Utah	8	239	389	299	0.77	4.78	5.43
Wasatch	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	10	299	718	1,197	1.67	8.82	21.73
Southern Region							
Beaver	0	0	0	0	0.00	0.00	0.00
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	0	0	0	0	0.00	0.00	0.00
Kane	0	0	0	0	0.00	0.00	0.00
Millard	1	30	90	0	0.00	1.11	0.00
Piute	0	0	0	0	0.00	0.00	0.00
Sevier	2	60	180	0	0.00	2.21	0.00
Washington	18	539	2,335	1,197	0.51	28.68	21.73
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	21	629	2,605	1,197	0.46	31.99	21.73
Northeastern Region							
Daggett	1	30	449	90	0.20	5.51	1.63
Duchesne	10	299	808	449	0.56	9.92	8.15
Uintah	12	359	1,078	1,287	1.19	13.24	23.37
REGIONAL TOTALS	23	688	2,335	1,826	0.78	28.68	33.15
Southeastern Region							
Carbon	3	90	210	210	1.00	2.58	3.81
Emery	5	150	449	210	0.47	5.51	3.81
Grand	0	0	0	0	0.00	0.00	0.00
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	8	240	659	420	0.64	8.09	7.63
Unknown	8	239	479	269	0.56	5.88	4.88
STATE TOTALS*	80	2,394	8,142	5,508	0.68	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of quail hunter success and distribution of harvest and hunting pressure by region and county, 2003.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Quail Bagged	Quail Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	1	30	119	0	0.00	1.26	0.00
Cache	5	149	418	239	0.57	4.42	2.58
Davis	1	30	90	149	1.66	0.95	1.61
Morgan	1	30	60	60	1.00	0.63	0.65
Rich	1	30	149	0	0.00	1.57	0.00
Summit	1	30	0	0	0.00	0.00	0.00
Weber	6	179	448	358	0.80	4.73	3.87
REGIONAL TOTALS	16	478	1,284	806	0.63	13.57	8.71
Central Region							
Juab	0	0	0	0	0.00	0.00	0.00
Salt Lake	2	60	179	418	2.34	1.89	4.52
Sanpete	1	30	60	60	1.00	0.63	0.65
Tooele	3	90	507	30	0.06	5.36	0.32
Utah	6	179	388	30	0.08	4.10	0.32
Wasatch	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	12	359	1,134	538	0.47	11.98	5.81
Southern Region							
Beaver	0	0	0	0	0.00	0.00	0.00
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	0	0	0	0	0.00	0.00	0.00
Kane	0	0	0	0	0.00	0.00	0.00
Millard	1	30	90	90	1.00	0.95	0.97
Piute	0	0	0	0	0.00	0.00	0.00
Sevier	2	60	60	60	1.00	0.63	0.65
Washington	15	448	1,791	2,537	1.42	18.93	27.42
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	18	538	1,941	2,687	1.38	20.51	29.04
Northeastern Region							
Daggett	0	0	0	0	0.00	0.00	0.00
Duchesne	12	358	1,373	2,268	1.65	14.51	24.51
Uintah	11	328	1,731	2,149	1.24	18.29	23.22
REGIONAL TOTALS	23	686	3,104	4,417	1.42	32.80	47.73
Southeastern Region							
Carbon	0	0	0	0	0.00	0.00	0.00
Emery	2	60	90	90	1.00	0.95	0.97
Grand	0	0	0	0	0.00	0.00	0.00
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	2	60	90	90	1.00	0.95	0.97
Unknown	18	537	1,910	716	0.37	20.18	7.74
STATE TOTALS*	85	2,537	9,463	9,254	0.98	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Statewide summary of quail harvest statistics, 1951-2003.

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
2001	3,140	12,528	10,894	1.15	3.99
2002	2,394	5,508	8,142	0.68	2.30
2003	2,537	9,254	9,463	0.98	3.65
Totals					
(1951-2003)	244,087	685,927	641,507	--	--
Averages					
(1951-2002)	5,032	14,097	13,168	1.02	2.72
% Change From					
Previous Year	6	68	16	45	59
% Change From					
Average	-50	-34	-28	-4	34

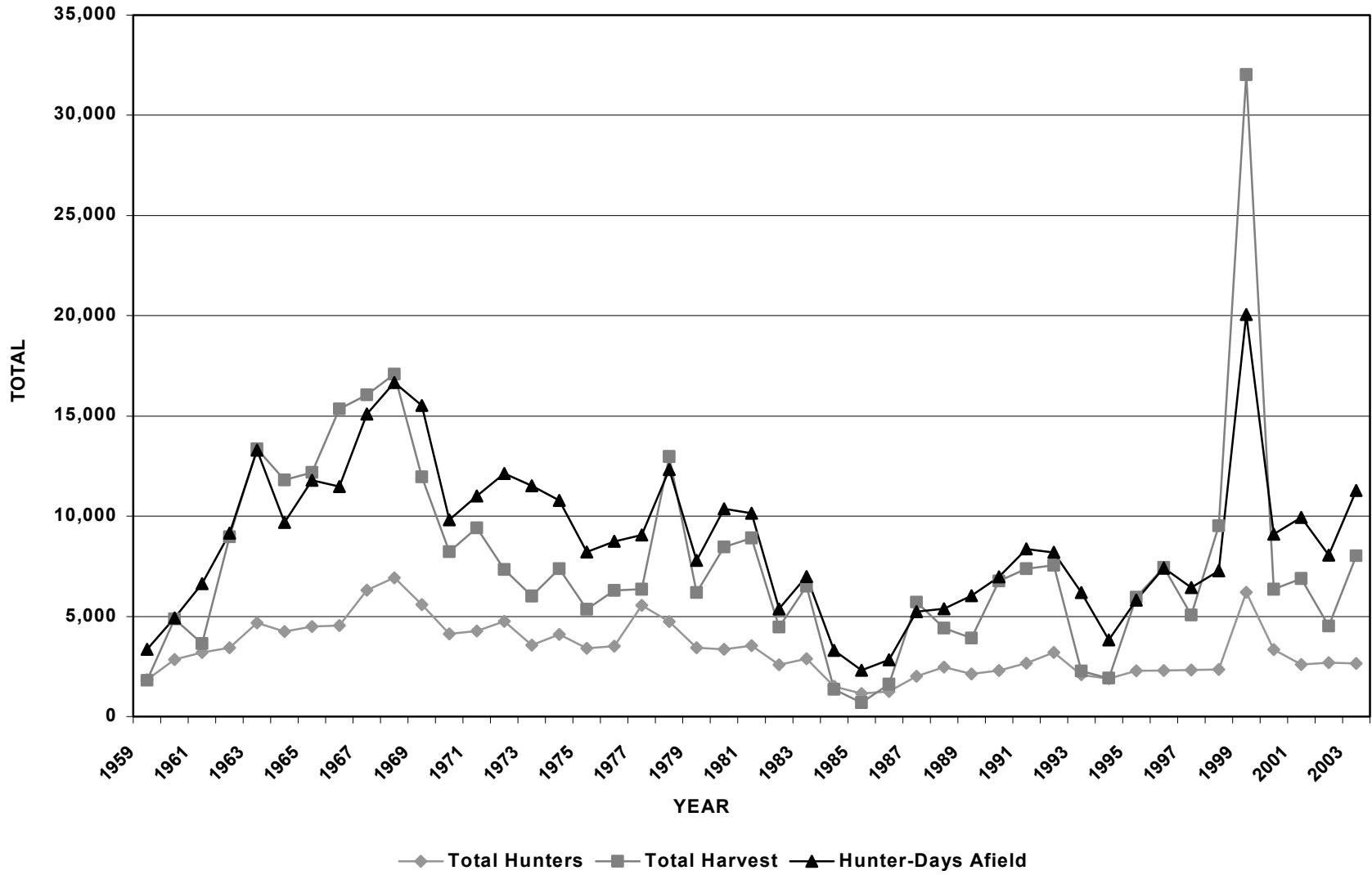
HUNGARIAN PARTRIDGE



CLARK BRONSON

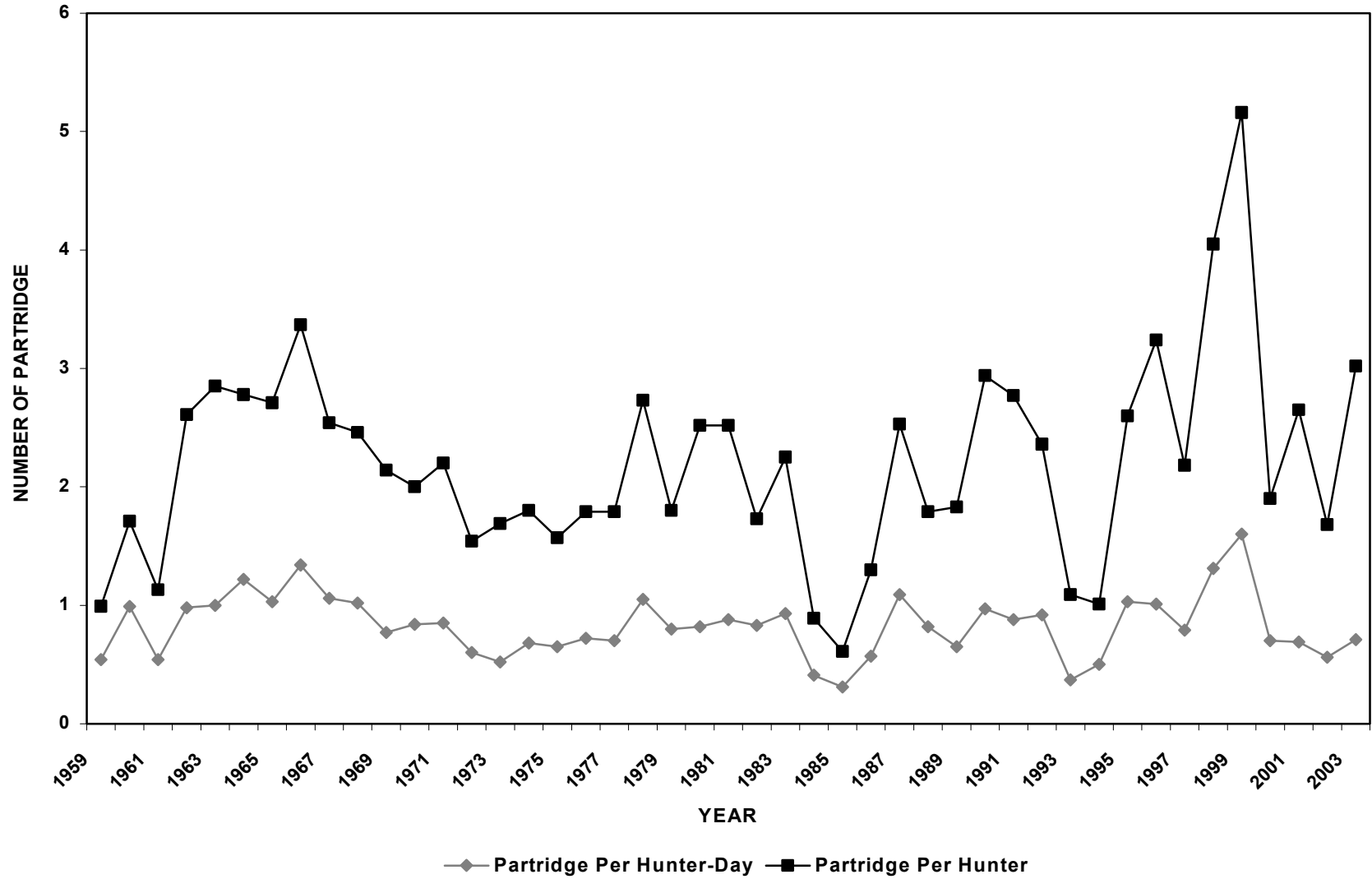
Statewide trends of Hungarian Partridge harvest statistics, 1959-2003.

134



Statewide trends of Hungarian Partridge hunter success rates, 1959-2003.

135



Summary of Hungarian Partridge hunter success and distribution of harvest and hunting pressure by region and county, 2001.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Partridge Bagged	Partridge Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	49	1,570	6,120	5,672	0.93	61.61	82.33
Cache	18	577	2,564	833	0.32	25.81	12.09
Davis	1	32	64	32	0.50	0.64	0.46
Morgan	1	32	160	64	0.40	1.61	0.93
Rich	1	32	64	0	0.00	0.64	0.00
Summit	0	0	0	0	0.00	0.00	0.00
Weber	1	32	64	32	0.50	0.64	0.46
REGIONAL TOTALS	71	2,275	9,036	6,633	0.73	90.97	96.28
Central Region							
Juab	0	0	0	0	0.00	0.00	0.00
Salt Lake	0	0	0	0	0.00	0.00	0.00
Sanpete	3	96	545	256	0.47	5.49	3.72
Tooele	3	96	160	0	0.00	1.61	0.00
Utah	1	32	32	0	0.00	0.32	0.00
Wasatch	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	7	224	737	256	0.35	7.42	3.72
Southern Region							
Beaver	0	0	0	0	0.00	0.00	0.00
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	0	0	0	0	0.00	0.00	0.00
Kane	0	0	0	0	0.00	0.00	0.00
Millard	1	32	32	0	0.00	0.32	0.00
Piute	0	0	0	0	0.00	0.00	0.00
Sevier	0	0	0	0	0.00	0.00	0.00
Washington	0	0	0	0	0.00	0.00	0.00
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	1	32	32	0	0.00	0.32	0.00
Northeastern Region							
Daggett	0	0	0	0	0.00	0.00	0.00
Duchesne	1	32	32	0	0.00	0.32	0.00
Uintah	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	1	32	32	0	0.00	0.32	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	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	0	0	0	0	0.00	0.00	0.00
Unknown	2	64	96	0	0.00	0.97	0.00
STATE TOTALS*	81	2,596	9,933	6,889	0.69	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Hungarian Partridge hunter success and distribution of harvest and hunting pressure by region and county, 2002.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Partridge Bagged	Partridge Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	47	1,407	4,520	3,292	0.73	56.14	72.83
Cache	18	539	1,646	539	0.33	20.44	11.92
Davis	2	60	60	60	1.00	0.75	1.33
Morgan	1	30	30	0	0.00	0.37	0.00
Rich	3	90	269	90	0.33	3.34	1.99
Summit	0	0	0	0	0.00	0.00	0.00
Weber	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	71	2,126	6,525	3,981	0.61	81.04	88.08
Central Region							
Juab	1	30	30	0	0.00	0.37	0.00
Salt Lake	0	0	0	0	0.00	0.00	0.00
Sanpete	2	60	120	90	0.75	1.49	1.99
Tooele	1	30	60	0	0.00	0.75	0.00
Utah	4	120	359	0	0.00	4.46	0.00
Wasatch	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	8	240	569	90	0.16	7.07	1.99
Southern Region							
Beaver	1	30	60	0	0.00	0.75	0.00
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	0	0	0	0	0.00	0.00	0.00
Kane	0	0	0	0	0.00	0.00	0.00
Millard	1	30	90	0	0.00	1.12	0.00
Piute	0	0	0	0	0.00	0.00	0.00
Sevier	0	0	0	0	0.00	0.00	0.00
Washington	0	0	0	0	0.00	0.00	0.00
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	2	60	150	0	0.00	1.86	0.00
Northeastern Region							
Daggett	0	0	0	0	0.00	0.00	0.00
Duchesne	1	30	30	0	0.00	0.37	0.00
Uintah	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	1	30	30	0	0.00	0.37	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	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	0	0	0	0	0.00	0.00	0.00
Unknown	11	329	778	449	0.58	9.66	9.93
STATE TOTALS*	90	2,694	8,052	4,520	0.56	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Hungarian Partridge hunter success and distribution of harvest and hunting pressure by region and county, 2003.

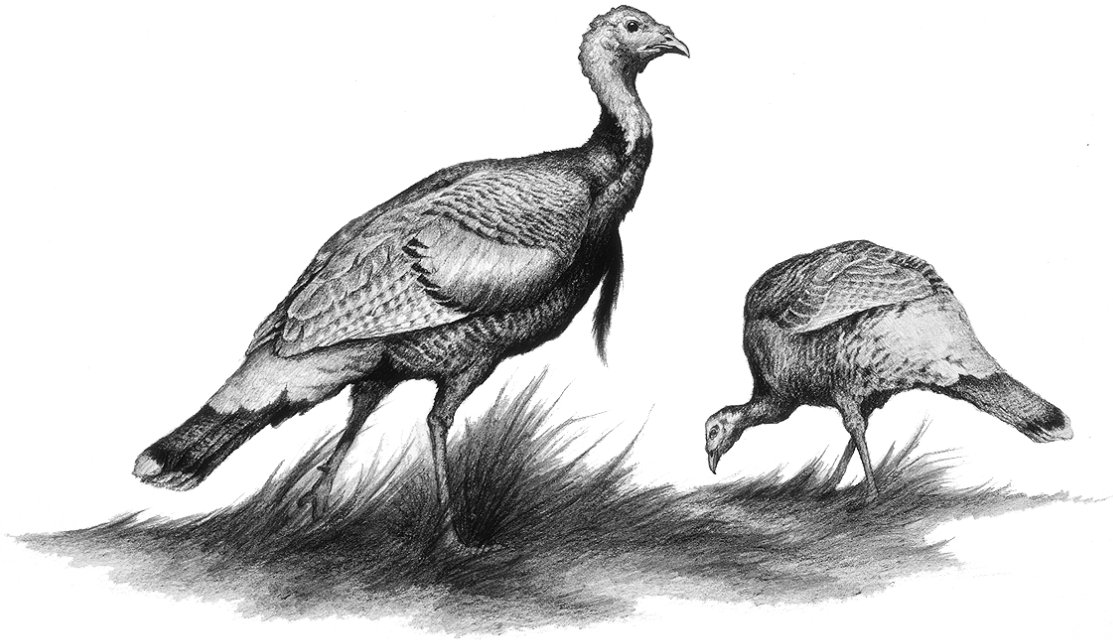
Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Partridge Bagged	Partridge Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	52	1,552	6,298	4,716	0.75	55.82	58.73
Cache	22	657	3,164	2,358	0.75	28.04	29.36
Davis	1	30	119	0	0.00	1.05	0.00
Morgan	3	90	269	179	0.67	2.38	2.23
Rich	4	119	209	149	0.71	1.85	1.86
Summit	0	0	0	0	0.00	0.00	0.00
Weber	2	60	507	60	0.12	4.49	0.75
REGIONAL TOTALS	84	2,508	10,566	7,462	0.71	93.65	92.93
Central Region							
Juab	0	0	0	0	0.00	0.00	0.00
Salt Lake	0	0	0	0	0.00	0.00	0.00
Sanpete	1	30	60	60	1.00	0.53	0.75
Tooele	5	149	328	30	0.09	2.91	0.37
Utah	0	0	0	0	0.00	0.00	0.00
Wasatch	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	6	179	388	90	0.23	3.44	1.12
Southern Region							
Beaver	0	0	0	0	0.00	0.00	0.00
Garfield	0	0	0	0	0.00	0.00	0.00
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	0	0	0	0	0.00	0.00	0.00
Washington	0	0	0	0	0.00	0.00	0.00
Wayne	1	30	60	0	0.00	0.53	0.00
REGIONAL TOTALS	1	30	60	0	0.00	0.53	0.00
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	#DIV/0!	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	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	0	0	0	0	0.00	0.00	0.00
Unknown	6	179	269	478	1.78	2.38	5.95
STATE TOTALS*	89	2,656	11,283	8,030	0.71	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

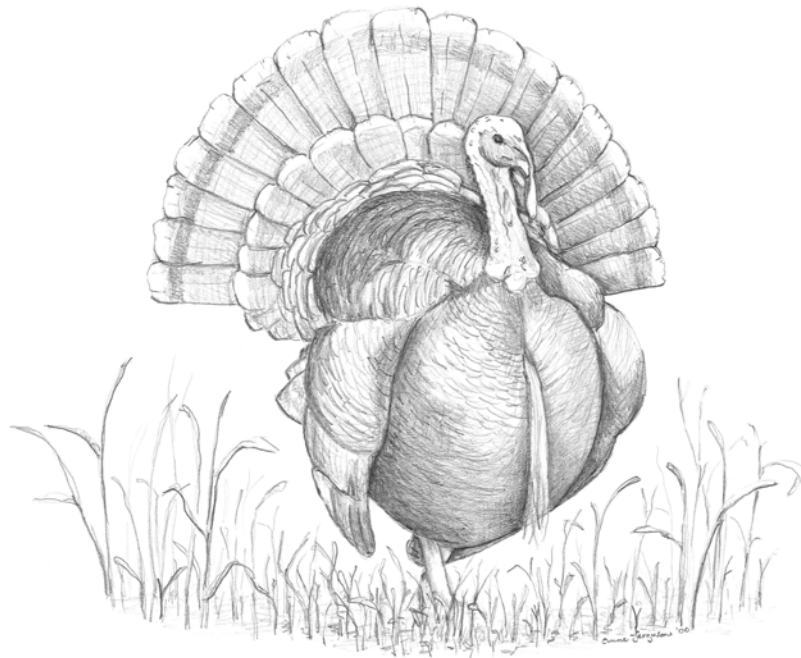
Statewide summary of Hungarian Partridge harvest statistics, 1955-2003.

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
2001	2,596	6,889	9,933	0.69	2.65
2002	2,694	4,520	8,052	0.56	1.68
2003	2,656	8,030	11,283	0.71	3.02
Totals					
(1959-2003)	151,513	350,505	395,998	--	--
Averages					
(1959-2002)	3,383	7,784	8,744	0.83	2.18
% Change From					
Previous Year	-1	78	40	27	80
% Change From					
Average	-21	3	29	-14	39

WILD TURKEY

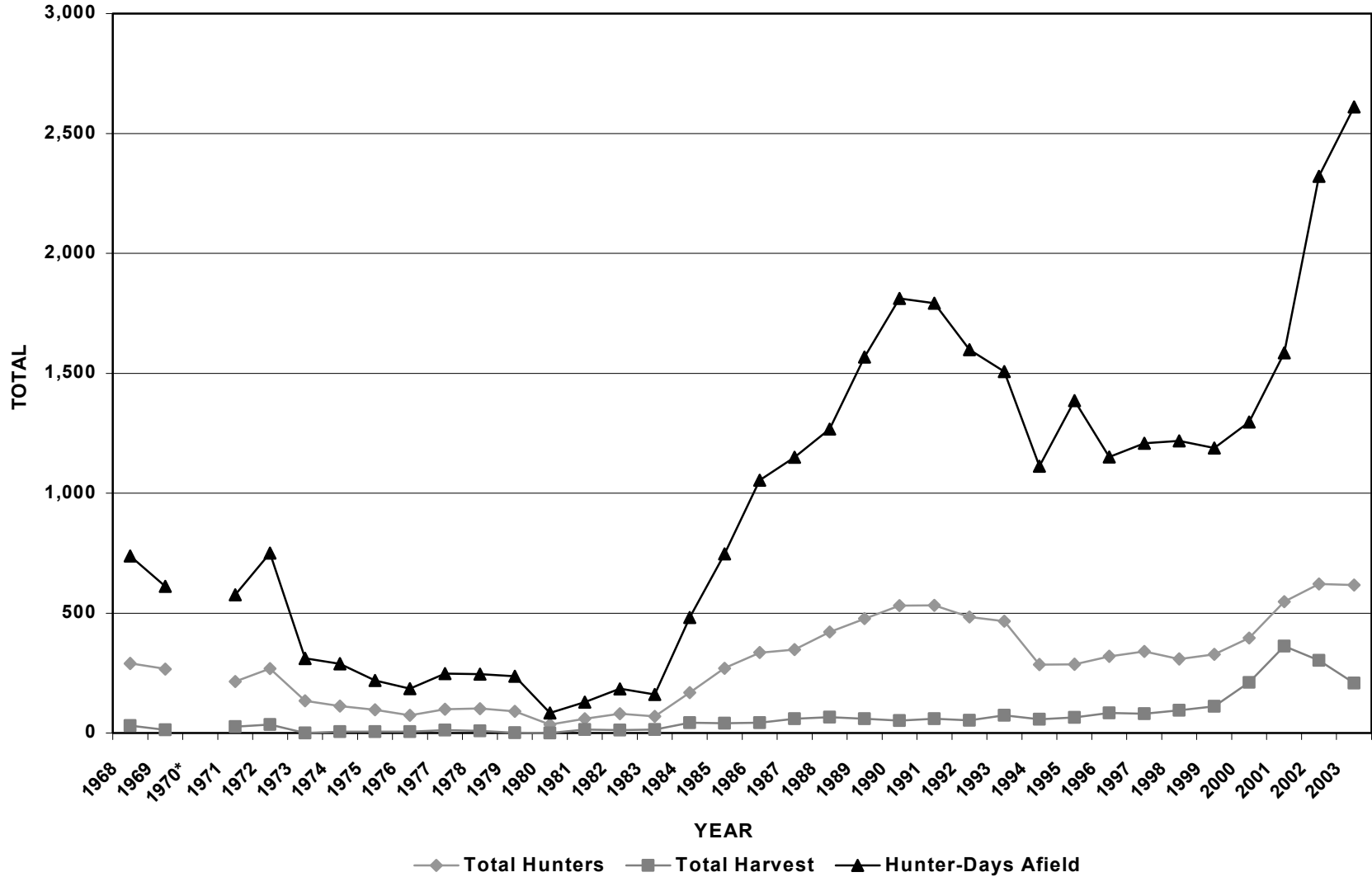


CLARK BRANSON



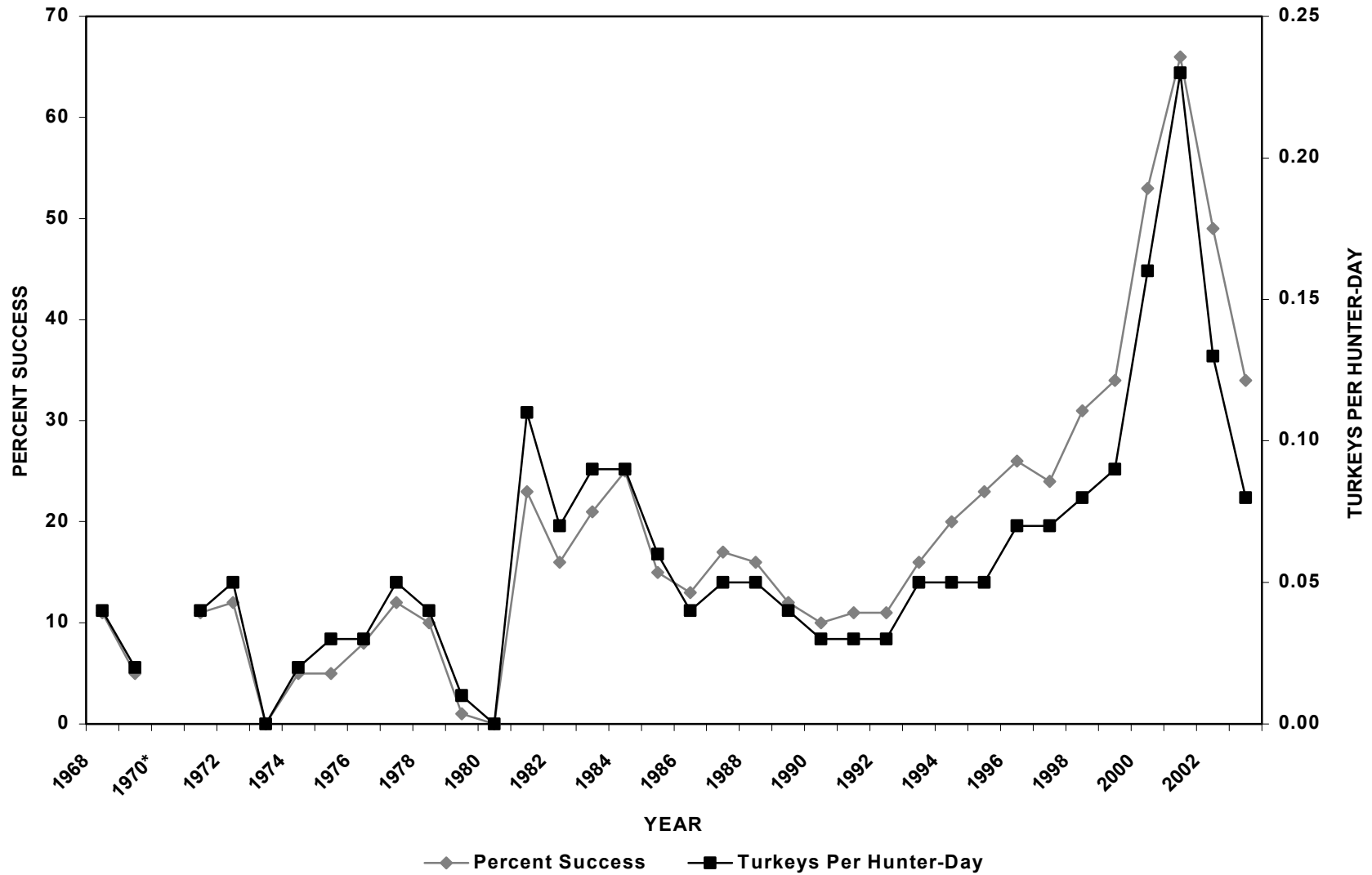
Merriam's Wild Turkey and Rio Grande Wild Turkey

Statewide trends of spring Merriam's Wild Turkey harvest statistics, 1968-2003.



*No spring Merriam's Turkey season in 1970.

Statewide trends of spring Merriam's Wild Turkey hunter success rates, 1968-2003.



143

*No spring Merriam's Turkey season in 1970.

Summary of spring Merriam's Wild Turkey season, 2001.

	Boulder			La Sal			San Juan			Zion			Conservation	STATE
	Early	Late	Totals	Early	Late	Totals	Early	Late	Totals	Early	Late	Totals	Permits	TOTALS
Hunt Number	201	202	--	203	204	--	205	206	--	207	208	--	--	--
Permits Sold	90	90	180	24	30	54	48	60	108	90	120	210	17	569
No Hunts	0	4	4	0	1	1	1	1	2	3	0	3	0	10
Sample Size	57	29	86	17	15	32	35	30	65	47	54	101	6	290
Projection Factor	1.58	2.73	--	1.41	1.88	--	1.33	1.94	--	1.80	2.22	--	2.83	--
Hunters Afield*	90	79	169	24	28	52	47	58	105	85	120	205	17	548
Total Hunter-Days	246	254	500	68	99	167	101	174	275	216	360	576	68	1,586
Average Hunter-Days Afield	2.73	3.22	2.96	2.83	3.54	3.21	2.15	3.00	2.62	2.54	3.00	2.81	4.00	2.89
Turkeys Bagged	65	49	114	16	13	29	39	52	91	52	67	119	9	362
Percent Success	72	62	67	67	46	56	83	90	87	61	56	58	53	66
Turkeys Bagged Per Hunter-Day	0.26	0.19	0.23	0.24	0.13	0.17	0.39	0.30	0.33	0.24	0.19	0.21	0.13	0.23
Reported Crippling Loss (Loss/100 Bagged)	4	0	4	0	0	0	0	0	0	3	0	3	0	7
	6	0	4	0	0	0	0	0	0	6	0	3	0	2
Reported Information														
Turkeys Observed														
Gobblers	301	57	358	48	56	104	571	269	840	136	142	278	95	1,675
Hens	932	144	1,076	126	72	198	1,002	357	1,359	445	238	683	42	3,358
Unidentified	166	21	187	19	2	21	172	179	351	52	48	100	102	761
Total	1,399	222	1,621	193	130	323	1,745	805	2,550	633	428	1,061	239	5,794
Number of Hunters														
Who Saw Turkeys	55	22	77	16	13	29	35	29	64	43	43	86	6	262
Number of Hunters														
Who Saw Gobblers	54	20	74	16	12	28	35	29	64	42	42	84	6	256
Percent of Hunters														
Who Saw Turkeys	96.49	75.86	89.53	94.12	86.67	90.63	100.00	96.67	98.46	91.49	79.63	85.15	100.00	90.34
Percent of Hunters														
Who Saw Gobblers	94.74	68.97	86.05	94.12	80.00	87.50	100.00	96.67	98.46	89.36	77.78	83.17	100.00	88.28
Blunt Spur (% of Harvest)	24.39	16.67	22.03	27.27	0.00	16.67	10.34	7.41	8.93	13.79	13.33	13.56	33.33	15.38
Rounded Spur (% of Harvest)	51.22	66.67	55.93	45.45	57.14	50.00	41.38	62.96	51.79	48.28	60.00	54.24	66.67	53.85
Sharp Spur (% of Harvest)	14.63	5.56	11.86	9.09	42.86	22.22	31.03	29.63	30.36	27.59	16.67	22.03	0.00	21.03
Spur Unknown (% of Harvest)	9.76	11.11	10.17	18.18	0.00	11.11	17.24	0.00	8.93	10.34	10.00	10.17	0.00	9.74
Beard Length														
0" - <4" (% of Harvest)	17.07	11.11	15.25	9.09	14.29	11.11	6.90	7.41	7.14	10.34	20.00	15.25	0.00	12.31
4" - 7" (% of Harvest)	14.63	11.11	13.56	18.18	28.57	22.22	0.00	29.63	14.29	3.45	13.33	8.47	66.67	13.85
>7" (% of Harvest)	68.29	77.78	71.19	72.73	57.14	66.67	93.10	62.96	78.57	86.21	66.67	76.27	33.33	73.85

*Landowner harvest and observation data is also included.

Summary of spring Merriam's Wild Turkey season, 2002.*

	Boulder			La Sal			San Juan			Zion			Conservation	STATE
	Early	Late	Totals	Early	Late	Totals	Early	Late	Totals	Early	Late	Totals	Permits	TOTALS
Hunt Number	201	202	--	203	204	--	205	206	--	207	208	--	--	--
Permits Sold	120	120	240	30	36	66	60	90	150	90	120	210	23	689
No Hunts	5	4	9	0	2	2	1	1	2	2	6	8	--	21
Sample Size	55	56	111	24	22	46	30	30	60	29	54	83	--	300
Projection Factor	2.00	2.00	--	1.25	1.50	--	1.94	2.90	--	2.90	2.00	--	--	--
Hunters Afield**	110	112	222	30	33	63	58	87	145	84	108	192	--	622
Total Hunter-Days	322	502	824	104	143	247	153	360	513	258	480	738	--	2,322
Average Hunter-Days Afield	2.93	4.48	3.71	3.47	4.33	3.92	2.64	4.14	3.54	3.07	4.44	3.84	--	3.73
Turkeys Bagged	54	44	98	11	14	25	50	41	91	41	48	89	--	303
Percent Success	49	39	44	37	42	40	86	47	63	49	44	46	--	49
Turkeys Bagged Per Hunter-Day	0.17	0.09	0.12	0.11	0.10	0.10	0.33	0.11	0.18	0.16	0.10	0.12	--	0.13

*2002 conservation permit, crippling loss, turkey observation, and spur and beard data not available.

**Landowner harvest and observation data is also included.

Summary of spring Merriam's Wild Turkey season, 2003.*

	Boulder			La Sal			San Juan			Zion			STATE
	Early	Late	Totals	Early	Late	Totals	Early	Late	Totals	Early	Late	Totals	TOTALS
Hunt Number	201	202	--	203	204	--	205	206	--	207	208	--	--
Permits Sold	120	120	240	24	36	60	60	90	150	90	120	210	660
No Hunts	4	2	6	1	1	2	0	3	3	2	10	12	23
Sample Size	44	47	91	13	16	29	22	32	54	35	37	72	246
Projection Factor	2.50	2.45	--	1.50	2.12	--	2.73	2.57	--	2.43	2.55	--	--
Hunters Afield**	110	118	228	33	40	73	55	80	135	88	93	181	617
Total Hunter-Days	393	645	1,038	110	145	255	200	453	653	280	385	665	2,611
Average Hunter-Days Afield	3.57	5.47	4.55	3.33	3.63	3.49	3.64	5.66	4.84	3.18	4.14	3.67	4.23
Turkeys Bagged	23	15	38	18	13	31	23	15	38	55	45	100	207
Percent Success	21	13	17	55	33	42	42	19	28	63	48	55	34
Turkeys Bagged Per Hunter-Day	0.06	0.02	0.04	0.16	0.09	0.12	0.12	0.03	0.06	0.20	0.12	0.15	0.08

Reported Information

Average Number of Turkeys

Observed Per Hunter

Gobblers	1.8	1.3	--	9.5	2.8	--	4.6	6.0	--	9.7	1.9	--	--
Hens	3.1	3.9	--	22.7	2.8	--	12.0	7.6	--	15.0	5.1	--	--
Jakes	0.8	3.0	--	1.6	0.8	--	2.8	0.4	--	8.1	0.9	--	--
Unidentified	1.2	0.8	--	0.0	0.0	--	3.9	0.0	--	8.3	3.3	--	--
Total	1.7	2.2	--	8.4	1.6	--	5.8	3.5	--	10.3	2.8	--	--

*2003 conservation permit, crippling loss, and spur and beard data not available.

**Landowner harvest and observation data is also included.

Statewide summary of spring Merriam's Wild Turkey harvest statistics, 1968-2003.

Year	Total Hunters	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
2001	548	362	1,586	66	0.23	90	569
2002	622	303	2,322	49	0.13	--	689
2003	617	207	2,611	34	0.08	--	660
Totals							
(1968-2003)	10,075	2,310	33,028	--	--	--	11,112
Averages							
(1968-2002)	278	62	895	18	0.06	48	307
% Change From							
Previous Year	-1	-32	12	-31	-38	--	-4
% Change From							
Average	122	235	192	89	36	--	115

*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, 1964-1985.

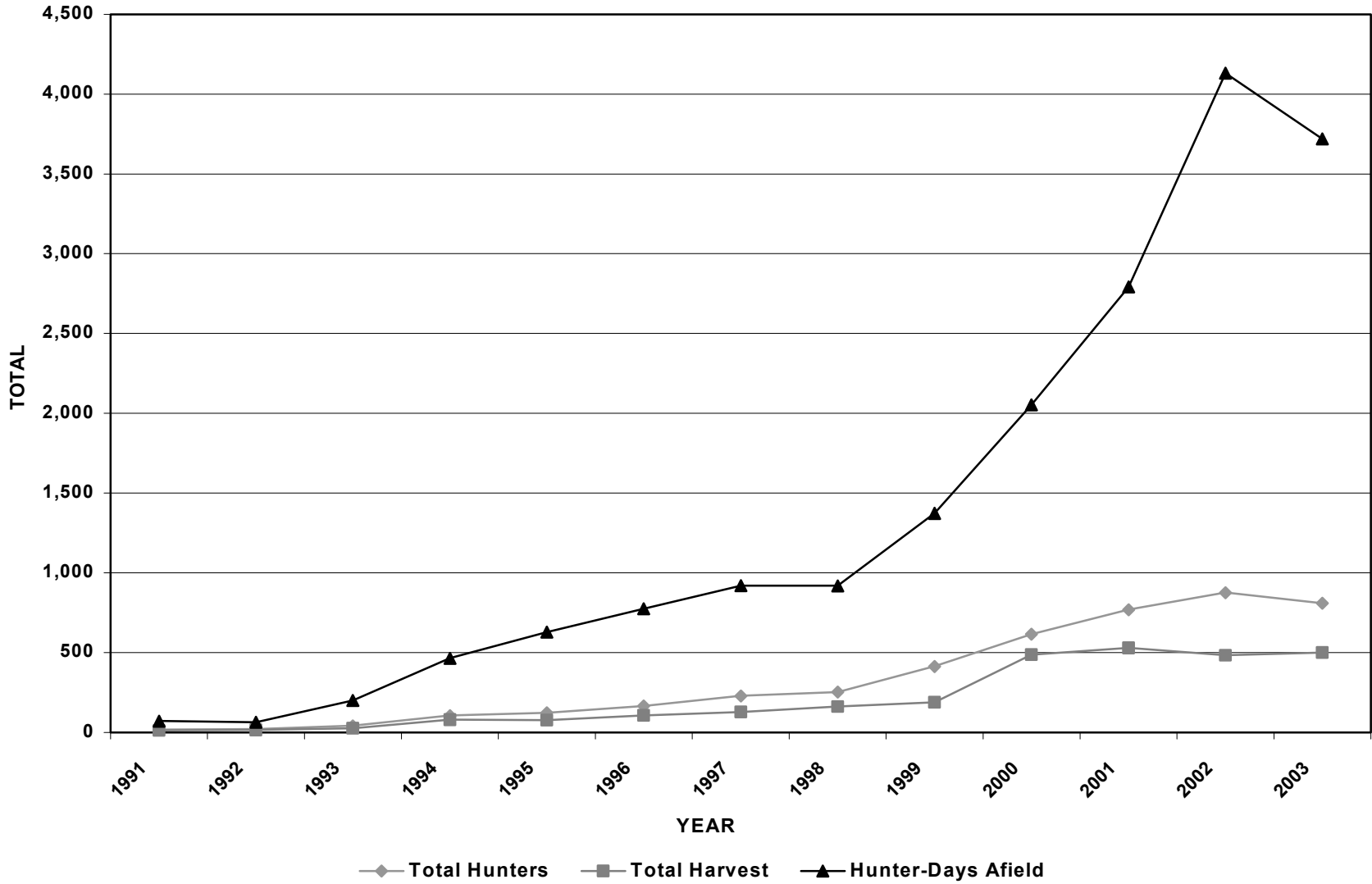
Year	Permits Sold	Hunters Afield	Hunter-Days Afield	Turkeys Bagged	Percent Success*	Turkeys per Hunter-Day	Crippling Loss/ 100 Bagged	Turkeys Observed	Percent of Hunters Observing Turkeys
1964	229	211	362	81	38	0.22	15	1,158	60
1965	214	207	406	50	24	0.12	8	730	29
1966	192	187	471	43	23	0.09	7	756	36
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**	--	--	--	--	--	--	--	--	--
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.

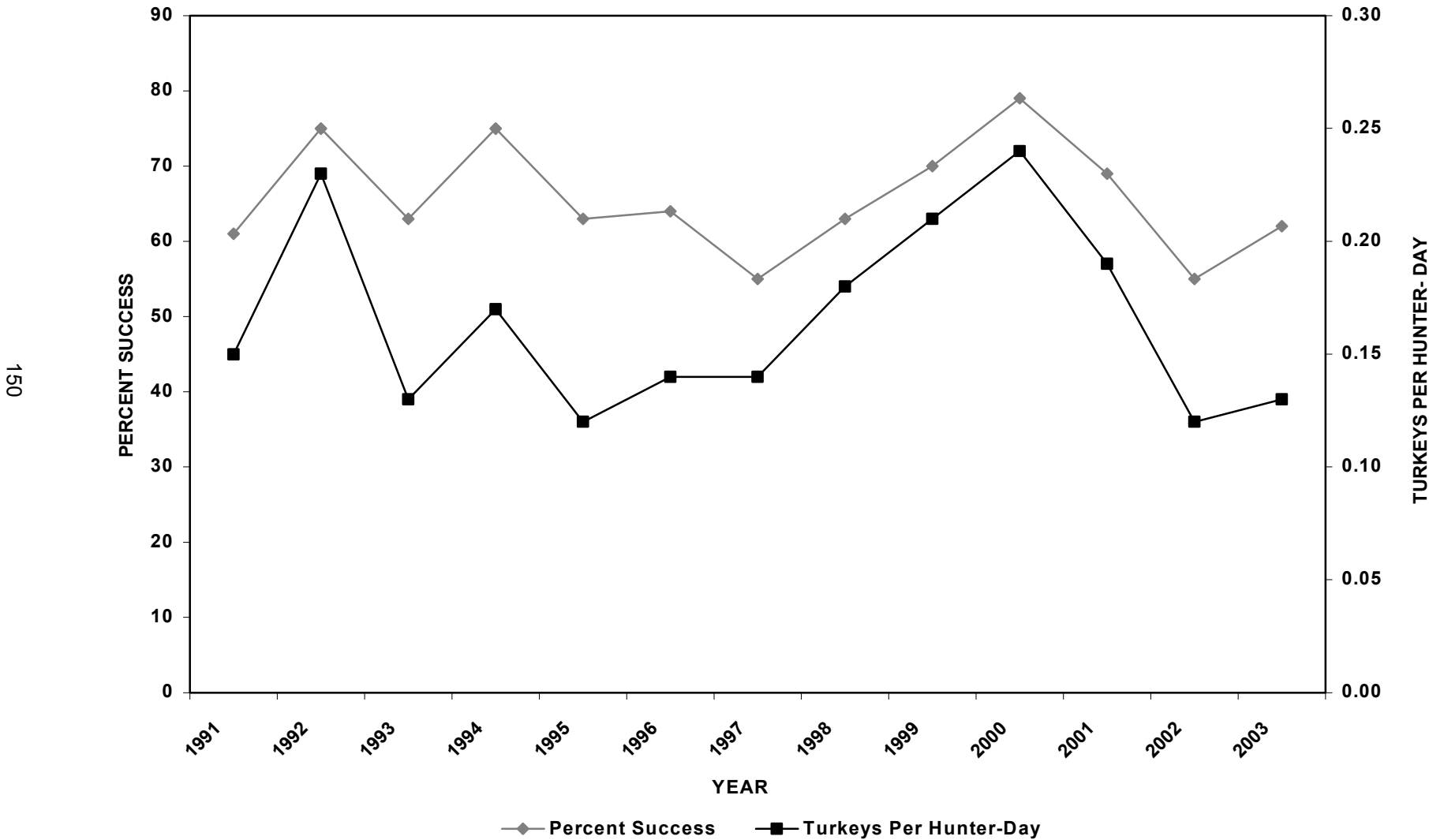
**No fall season since 1985.

Statewide trends of spring Rio Grande Wild Turkey harvest statistics, 1991-2003.

149



Statewide trends of spring Rio Grande Wild Turkey hunter success rates, 1991-2003.



Summary of spring Rio Grande Wild Turkey season, 2001.

	Beaver			BookCliffs,	Cache			Central	Colorado River				Duchesne County	
	A	B	C	South	West	East	Caineville	Region West	A	B	C	D	Early	Late
	101	102	103	104	105	106	107	108	109	110	111	112	113	114
Hunt Number														
Permits Sold	24	24	24	4	12	12	12	6	11	11	11	11	10	10
No Hunts	0	1	1	0	0	2	0	0	0	1	0	1	1	1
Sample Size	20	17	10	2	8	7	8	5	10	10	9	4	8	8
Projection Factor	1.20	1.33	2.18	2.00	1.50	1.33	1.50	1.20	1.10	1.00	1.22	2.20	1.11	1.11
Hunters Afield*	24	23	22	4	12	9	12	6	11	10	11	9	9	9
Total Hunter-Days	48	97	85	14	57	24	27	23	29	23	43	33	27	48
Turkeys Bagged	19	13	13	2	11	7	11	5	6	4	6	2	4	8
Percent Success	79	57	59	50	92	78	92	83	55	40	55	22	44	89
Turkeys Bagged Per Hunter-Day	0.40	0.13	0.15	0.14	0.19	0.29	0.41	0.22	0.21	0.17	0.14	0.06	0.15	0.17
Reported Crippling Loss (Loss/100 Bagged)	0	0	0	0	0	1	0	0	1	1	0	0	0	0
	0	0	0	0	0	14	0	0	17	25	0	0	0	0

Reported Information

Turkeys Observed														
Gobblers	90	81	35	11	55	23	58	20	33	30	28	12	56	43
Hens	369	243	76	23	26	40	86	10	293	113	99	48	140	44
Unidentified	120	30	19	13	1	0	10	0	25	18	13	3	24	3
Total	579	354	130	47	82	63	154	30	351	161	140	63	220	90
Number of Hunters														
Who Saw Turkeys	18	17	10	2	8	6	7	5	10	9	8	4	7	7
Number of Hunters														
Who Saw Gobblers	15	17	10	2	8	6	7	5	9	9	7	4	7	7
Percent of Hunters														
Who Saw Turkeys	90	100	100	100	100	86	88	100	100	90	89	100	88	88
Percent of Hunters														
Who Saw Gobblers	75	100	100	100	100	86	88	100	90	90	78	100	88	88
Blunt Spur (% of Harvest)	0	10	17	0	0	20	0	0	40	25	40	0	0	0
Rounded Spur (% of Harvest)	38	80	83	100	14	60	14	25	20	0	40	0	50	57
Sharp Spur (% of Harvest)	56	10	0	0	86	20	71	75	40	50	20	100	50	29
Spur Unknown (% of Harvest)	6	0	0	0	0	0	14	0	0	25	0	0	0	14
Beard Length														
0" - <4" (% of Harvest)	13	20	33	0	0	0	0	0	20	25	40	0	25	0
4" - 7" (% of Harvest)	13	20	0	0	29	60	14	0	20	25	20	0	25	14
>7" (% of Harvest)	75	60	67	100	71	40	86	100	60	50	40	100	50	86

*Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey season, 2001 (continued).

	East Canyon		Emery	Fillmore, Oak Creek			Fillmore, Pahvant			Green River			Juab		Monroe
	Early	Late	County, West	A	B	C	A	B	C	A	B	C	Early	Late	Mountain
Hunt Number	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129
Permits Sold	12	12	4	6	6	6	18	18	18	6	6	6	12	12	6
No Hunts	0	0	0	0	0	0	0	0	0	0	--	0	0	0	0
Sample Size	8	7	3	6	4	4	15	15	11	4	0	4	7	6	6
Projection Factor	1.50	1.71	1.33	1.00	1.50	1.50	1.20	1.20	1.64	1.50	--	1.50	1.71	2.00	1.00
Hunters Afield*	12	12	4	6	6	6	18	18	18	6	--	6	12	12	6
Hunter-Days	56	27	31	17	26	18	40	54	61	14	--	14	41	32	20
Turkeys Bagged	5	7	4	6	6	6	18	17	18	3	--	5	9	12	5
Percent Success	42	58	100	100	100	100	100	94	100	50	--	83	75	100	83
Turkeys Bagged Per Hunter-Day	0.09	0.26	0.13	0.35	0.23	0.33	0.45	0.31	0.30	0.21	--	0.36	0.22	0.38	0.25
Reported Crippling Loss (Loss/100 Bagged)	0	0	0	0	0	0	0	3	1	0	--	0	1	0	0
	0	0	0	0	0	0	0	18	6	0	--	0	11	0	0

Reported Information

Turkeys Observed															
Gobblers	35	13	14	115	43	8	435	190	105	38	--	23	35	40	41
Hens	128	24	52	111	55	32	399	214	79	92	--	51	33	32	91
Unidentified	5	2	5	104	20	0	215	75	36	0	--	0	1	0	0
Total	168	39	71	330	118	40	1049	479	220	130	--	74	69	72	132
Number of Hunters															
Who Saw Turkeys	5	6	3	6	4	3	14	14	10	4	--	4	6	6	6
Number of Hunters															
Who Saw Gobblers	3	5	3	5	4	3	13	14	10	4	--	4	6	6	6
Percent of Hunters															
Who Saw Turkeys	63	86	100	100	100	75	93	93	91	100	--	100	86	100	100
Percent of Hunters															
Who Saw Gobblers	38	71	100	83	100	75	87	93	91	100	--	100	86	100	100
Blunt Spur (% of Harvest)	0	25	0	0	0	0	0	0	0	0	--	0	0	0	0
Rounded Spur (% of Harvest)	33	0	0	33	50	0	47	43	55	50	--	0	40	17	40
Sharp Spur (% of Harvest)	67	50	100	67	50	75	40	50	36	50	--	100	40	83	40
Spur Unknown (% of Harvest)	0	25	0	0	0	25	13	7	9	0	--	0	20	0	20
Beard Length															
0" - <4" (% of Harvest)	33	0	0	0	0	0	0	0	0	0	--	0	0	0	0
4" - 7" (% of Harvest)	0	25	0	17	25	25	13	14	27	50	--	0	20	0	0
>7" (% of Harvest)	67	75	100	83	75	75	87	86	73	50	--	100	80	100	100

*Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey season, 2001 (continued).

Hunt Number	Morgan-	Morgan-South Rich***		Ogden,	Ogden, South		Ogden, Middle Fork		Oquirrh	Panguitch	
	South Rich**	Early	Late	North	Early	Late	Early	Late	Mountains	Paunsaugunt	Lake
	130	131	132	133	134	135	136	137	138	139	140
Permits Sold	6	18	18	12	24	24	5	5	12	14	6
No Hunts	0	0	1	1	2	1	0	0	0	1	0
Sample Size	4	12	8	2	13	11	3	4	11	8	4
Projection Factor	1.50	1.50	2.00	4.00	1.60	2.00	1.67	1.25	1.09	1.56	1.50
Hunters Afield*	6	18	16	8	21	22	5	5	12	12	6
Hunter-Days	38	60	54	32	72	112	25	19	43	30	59
Turkeys Bagged	0	6	4	0	13	16	2	1	11	6	3
Percent Success	0	33	25	0	62	73	40	20	92	50	50
Turkeys Bagged Per Hunter-Day	0.00	0.10	0.07	0.00	0.18	0.14	0.08	0.05	0.26	0.20	0.05
Reported Crippling Loss (Loss/100 Bagged)	0	1	0	0	1	0	0	0	0	0	1
	0	17	0	0	8	0	0	0	0	0	33

Reported Information

Turkeys Observed											
Gobblers	0	43	18	1	114	75	3	5	51	22	20
Hens	0	68	23	10	287	186	45	20	35	86	70
Unidentified	0	6	6	0	10	3	2	0	2	0	16
Total	0	117	47	11	411	264	50	25	88	108	106
Number of Hunters											
Who Saw Turkeys	0	9	4	1	12	11	2	1	11	5	4
Number of Hunters											
Who Saw Gobblers	0	10	8	1	12	11	3	1	11	5	4
Percent of Hunters											
Who Saw Turkeys	0	75	50	50	92	100	67	25	100	63	100
Percent of Hunters											
Who Saw Gobblers	0	83	100	50	92	100	100	25	100	63	100
Blunt Spur (% of Harvest)	--	25	0	--	0	0	0	0	0	0	0
Rounded Spur (% of Harvest)	--	50	100	--	63	75	100	100	50	75	50
Sharp Spur (% of Harvest)	--	25	0	--	25	25	0	0	40	0	50
Spur Unknown (% of Harvest)	--	0	0	--	13	0	0	0	10	25	0
Beard Length											
0" - <4" (% of Harvest)	--	25	50	--	50	25	0	100	0	0	0
4" - 7" (% of Harvest)	--	25	50	--	25	38	100	0	30	50	0
>7" (% of Harvest)	--	50	0	--	25	38	0	0	70	50	100

*Landowner harvest and observation data is also included.

**Morgan and Summit counties.

***Morgan, Rich, and Weber counties.

Summary of spring Rio Grande Wild Turkey season, 2001 (continued).

	Pine Valley			Southwest	Uintah County		Utah County, North			Utah County, South			Wasatch County		Conservation	STATE
	A	B	C	Desert	Early	Late	A	B	C	A	B	C	Early	Late	Permits	TOTALS
Hunt Number	141	142	143	144	145	146	147	148	149	150	151	152	141	142		
Permits Sold	30	30	30	6	14	14	36	36	36	18	18	18	12	12	28	812
No Hunts	0	2	0	0	1	0	0	1	1	0	1	0	0	1	0	21
Sample Size	24	18	14	5	9	9	21	18	12	14	10	6	6	6	10	488
Projection Factor	1.25	1.50	2.14	1.20	1.40	1.56	1.71	1.89	2.77	1.29	1.64	3.00	2.00	1.71	2.80	--
Hunters Afield*	30	27	30	6	13	14	36	34	33	18	16	18	12	10	28	769
Hunter-Days	103	111	99	17	32	56	171	136	125	63	74	48	58	48	84	2,791
Turkeys Bagged	20	23	26	6	10	12	26	19	22	13	16	12	8	3	22	529
Percent Success	67	85	87	100	77	86	72	56	67	72	100	67	67	30	80	69
Turkeys Bagged Per Hunter-Day	0.19	0.21	0.26	0.35	0.31	0.21	0.15	0.14	0.18	0.21	0.22	0.25	0.14	0.06	0.27	0.19
Reported Crippling Loss	4	0	0	0	0	1	0	0	1	1	1	1	0	0	0	20
(Loss/100 Bagged)	20	0	0	0	0	8	0	0	5	8	6	8	0	0	0	4

Reported Information

Turkeys Observed																
Gobblers	232	157	58	16	78	78	114	177	59	62	67	26	23	6	235	3,450
Hens	359	305	79	41	67	113	279	163	61	100	55	13	48	10	403	5,929
Unidentified	84	42	9	5	112	32	64	54	74	6	13	0	5	1	223	1,542
Total	675	504	146	62	257	223	457	394	194	168	135	39	76	17	861	10,921
Number of Hunters																
Who Saw Turkeys	22	17	12	5	9	9	21	17	12	14	9	4	6	4	10	446
Number of Hunters																
Who Saw Gobblers	20	16	11	4	9	9	21	17	11	13	9	4	5	3	10	421
Percent of Hunters																
Who Saw Turkeys	92	94	86	100	100	100	100	94	100	100	90	67	100	67	100	91
Percent of Hunters																
Who Saw Gobblers	83	89	79	80	100	100	100	94	92	93	90	67	83	50	100	86
Blunt Spur (% of Harvest)	25	0	8	0	14	0	7	0	63	10	10	0	0	0	0	6
Rounded Spur (% of Harvest)	31	13	33	0	43	25	53	60	13	50	70	50	25	50	38	43
Sharp Spur (% of Harvest)	44	80	50	80	29	63	33	30	25	30	20	50	75	50	50	44
Spur Unknown (% of Harvest)	0	7	8	20	14	13	7	10	0	10	0	0	0	0	13	8
Beard Length																
0" - <4" (% of Harvest)	13	0	0	0	14	0	20	30	13	10	30	0	0	0	0	10
4" - 7" (% of Harvest)	38	7	33	0	14	50	13	10	0	40	10	0	0	50	0	19
>7" (% of Harvest)	50	93	67	100	71	50	67	60	88	50	60	100	100	50	100	70

*Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey season, 2002*.

	Beaver			Book Cliffs,	Cache, West		Cache, East		Caineville	Central	Colorado River			Duchesne County	
	A	B	C	South	Early	Late	Early	Late		Region West	A	B	C	Early	Late
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115
Hunt Number	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115
Permits Sold	24	24	24	4	12	12	12	12	12	12	11	11	11	10	10
No Hunts	1	1	1	0	0	0	1	2	1	0	2	1	0	2	0
Sample Size	14	16	14	2	8	9	9	5	7	8	3	5	4	7	5
Projection Factor	1.60	1.41	1.60	2.00	1.50	1.33	1.20	1.71	1.50	1.50	2.20	1.83	2.75	1.11	2.00
Hunters Afield**	22	23	22	4	12	12	11	9	11	12	7	9	11	8	10
Total Hunter-Days	69	106	146	32	44	40	47	46	38	101	22	26	61	43	36
Turkeys Bagged	8	13	6	2	8	8	8	5	9	8	7	6	8	8	6
Percent Success	36	57	27	50	67	67	73	56	82	67	100	67	73	100	60
Turkeys Bagged Per Hunter-Day	0.12	0.12	0.04	0.06	0.18	0.20	0.17	0.11	0.24	0.08	0.32	0.23	0.13	0.19	0.17

*2002 conservation permit, crippling loss, turkey observation, and spur and beard data not available.

**Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey season, 2002* (continued).

	East Canyon		Emery	Fillmore, Oak Creek			Fillmore, Pahvant			Green River			Juab			Kaiparowits
	Early	Late	County, West	A	B	C	A	B	C	A	B	C	A	B	C	
Hunt Number	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131
Permits Sold	12	12	4	12	12	12	24	24	24	8	8	8	12	12	12	2
No Hunts	1	2	0	1	0	1	0	0	0	0	0	0	0	1	0	--
Sample Size	9	7	2	5	8	8	20	15	14	7	5	5	9	10	11	0
Projection Factor	1.20	1.33	2.00	2.00	1.50	1.33	1.20	1.60	1.71	1.14	1.60	1.60	1.33	1.09	1.09	--
Hunters Afield**	11	9	4	10	12	11	24	24	24	8	8	8	12	11	12	--
Hunter-Days	41	67	18	18	71	124	74	77	187	15	37	29	81	46	58	--
Turkeys Bagged	6	5	4	8	9	4	18	18	15	7	6	6	7	5	3	--
Percent Success	55	56	100	80	75	36	75	75	63	88	75	75	58	45	25	--
Turkeys Bagged Per Hunter-Day	0.15	0.07	0.22	0.44	0.13	0.03	0.24	0.23	0.08	0.47	0.16	0.21	0.09	0.11	0.05	--

*2002 conservation permit, crippling loss, turkey observation, and spur and beard data not available.

**Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey season, 2002* (continued).

	Monroe Mountain		Morgan-South Rich		Ogden,	Ogden, South		Ogden, Middle	Oquirrh Mountains		Panguitch	
	Early	Late	Early	Late	North	Early	Late	Fork WMA	Early	Late	Paunsaugunt	Lake
Hunt Number	132	133	134	135	136	137	138	139	140	141	142	143
Permits Sold	5	5	12	12	6	24	24	5	12	12	14	6
No Hunts	0	0	1	0	0	0	1	0	0	0	0	0
Sample Size	3	5	5	6	6	14	17	4	9	9	9	3
Projection Factor	1.67	1.00	2.00	2.00	1.00	1.71	1.33	1.25	1.33	1.33	1.56	2.00
Hunters Afield**	5	5	10	12	6	24	23	5	12	12	14	6
Hunter-Days	43	31	28	48	29	96	124	16	52	36	58	32
Turkeys Bagged	3	0	6	6	3	15	7	3	11	7	8	0
Percent Success	60	0	60	50	50	63	30	60	92	58	57	0
Turkeys Bagged Per Hunter-Day	0.07	0.00	0.21	0.13	0.10	0.16	0.06	0.19	0.21	0.19	0.14	0.00

*2002 conservation permit, crippling loss, turkey observation, and spur and beard data not available.

**Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey season, 2002* (continued).

	Pine Valley			Stansbury Southwest		Uintah County		Utah County, North			Utah County, South			Wasatch County		Conservation Permits	STATE TOTALS
	A	B	C	Mountains	Desert	Early	Late	A	B	C	A	B	C	Early	Late		
Hunt Number	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158		
Permits Sold	36	36	36	6	12	24	24	42	42	42	24	24	24	12	12	32	964
No Hunts	0	0	3	0	1	1	0	1	1	3	1	1	1	1	1	--	35
Sample Size	17	21	22	4	7	14	19	25	27	27	14	11	15	5	6	--	575
Projection Factor	2.12	1.71	1.44	1.50	1.50	1.60	1.26	1.62	1.50	1.40	1.60	2.00	1.50	2.00	1.71	--	--
Hunters Afield**	36	36	32	6	11	22	24	40	41	38	22	22	23	10	10	--	876
Hunter-Days	121	153	190	41	71	64	81	204	197	172	96	126	98	88	43	--	4,131
Turkeys Bagged	28	21	17	3	9	18	18	11	15	3	14	4	15	2	5	--	482
Percent Success	78	58	53	50	82	82	75	28	37	8	64	18	65	20	50	--	55
Turkeys Bagged Per Hunter-Day	0.23	0.14	0.09	0.07	0.13	0.28	0.22	0.05	0.08	0.02	0.15	0.03	0.15	0.02	0.12	--	0.12

*2002 conservation permit, crippling loss, turkey observation, and spur and beard data not available.

**Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey season, 2003*.

	Beaver			Book Cliffs,	Cache, West		Cache, East		Caineville	Carbon County	Central Region West	Chalk Creek		Colorado River		
	A	B	C	South	Early	Late	Early	Late				Early	Late	A	B	C
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116
Hunt Number	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116
Permits Sold	20	20	20	4	12	12	12	12	12	2	12	12	12	11	11	11
No Hunts	2	0	1	0	0	0	1	0	1	--	0	0	1	1	1	0
Sample Size	6	10	10	1	8	4	6	5	2	0	8	3	5	7	0	6
Projection Factor	2.50	2.00	1.82	4.00	1.50	3.00	1.71	2.40	4.00	--	1.50	4.00	2.00	1.38	--	1.83
Hunters Afield**	15	20	18	4	12	12	10	12	8	--	12	12	10	10	--	11
Total Hunter-Days	60	44	125	16	44	42	31	53	12	--	86	16	34	22	--	66
Turkeys Bagged	10	10	5	4	8	9	7	12	4	--	6	8	4	7	--	2
Percent Success	67	50	28	100	67	75	70	100	50	--	50	67	40	70	--	18
Turkeys Bagged Per Hunter-Day	0.17	0.23	0.04	0.25	0.18	0.21	0.23	0.23	0.33	--	0.07	0.50	0.12	0.32	--	0.03

Reported Information

Average Number of Turkeys

Observed Per Hunter

Gobblers	2.0	3.7	5.1	10.0	7.1	15.3	5.0	23.8	4.5	--	14.1	2.7	4.4	2.7	--	1.3
Hens	7.7	5.9	6.0	50.0	9.9	4.5	19.7	11.4	28.5	--	16.0	24.3	6.0	10.4	--	2.3
Jakes	0.7	11.5	2.9	0.0	27.9	30.0	20.8	5.4	1.5	--	13.0	4.7	20.0	1.0	--	0.7
Unidentified	0.5	0.0	12.4	25.0	1.0	5.5	16.5	27.8	0.0	--	0.1	3.3	0.0	14.1	--	0.0
Total	2.7	5.3	6.6	21.3	11.5	13.8	15.5	17.1	8.6	--	10.8	8.8	7.6	7.1	--	1.1

*2003 conservation permit, crippling loss, and spur and beard data not available.

**Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey season, 2003* (continued).

	Duchesne County		East Canyon		Emery	Fillmore, Oak Creek			Fillmore, Pahvant			Green River			Juab			Kaiparowits
	Early	Late	Early	Late	County, West	A	B	C	A	B	C	A	B	C	A	B	C	
Hunt Number	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134
Permits Sold	12	12	12	12	5	12	12	12	24	24	24	10	10	10	7	7	7	8
No Hunts	0	1	0	2	0	1	0	0	0	0	0	0	2	0	0	0	1	0
Sample Size	5	7	8	5	1	7	4	6	8	13	11	4	4	4	4	3	3	3
Projection Factor	2.40	1.50	1.50	1.71	5.00	1.71	3.00	2.00	3.00	1.85	2.18	2.50	1.67	2.50	1.75	2.33	1.75	2.67
Hunters Afield**	12	11	12	9	5	12	12	12	24	24	24	10	7	10	7	7	5	8
Hunter-Days	41	35	47	27	25	62	75	56	81	111	153	33	18	30	26	26	30	21
Turkeys Bagged	7	5	9	5	5	12	6	6	21	20	15	8	3	5	5	5	4	8
Percent Success	58	45	75	56	100	100	50	50	88	83	63	80	43	50	71	71	80	100
Turkeys Bagged Per Hunter-Day	0.17	0.14	0.19	0.19	0.20	0.19	0.08	0.11	0.26	0.18	0.10	0.24	0.17	0.17	0.19	0.19	0.13	0.38

Reported Information

Average Number of Turkeys

Observed Per Hunter

Gobblers	2.4	3.4	13.5	5.8	6.0	18.3	38.8	6.0	6.5	14.8	8.1	24.3	13.3	13.3	28.3	19.5	4.3	2.7
Hens	5.4	10.0	23.1	10.8	5.0	31.1	51.0	16.6	14.6	17.1	4.9	46.5	35.0	25.8	27.8	6.0	37.7	2.7
Jakes	1.4	1.1	21.9	2.4	99.0	17.7	19.0	4.6	14.9	8.5	1.4	18.0	6.7	0.8	25.8	9.0	0.3	1.0
Unidentified	0.0	14.6	10.6	22.2	0.0	14.9	28.5	2.8	0.5	7.6	12.5	29.8	26.7	10.0	25.5	7.0	0.0	0.7
Total	2.3	7.3	17.3	10.3	27.5	20.5	34.3	7.5	9.1	12.0	6.7	29.6	20.4	12.4	26.8	10.4	10.6	1.8

*2003 conservation permit, crippling loss, and spur and beard data not available.

**Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey season, 2003* (continued).

	Monroe Mountain		Morgan-South Rich		Mount	Ogden,	Ogden, South		Ogden, Middle	Oquirrh Mountains		Paunsaugunt	
	Early	Late	Early	Late	Dutton	Cache County	Early	Late	Fork WMA	Early	Late	Early	Late
Hunt Number	135	136	137	138	139	140	141	142	143	144	145	146	147
Permits Sold	5	5	12	12	6	6	24	24	5	12	12	10	18
No Hunts	0	0	0	1	0	1	0	0	0	0	0	2	0
Sample Size	3	2	5	7	3	3	8	11	2	3	3	9	3
Projection Factor	1.67	2.50	2.40	1.50	2.00	1.50	3.00	2.18	2.50	4.00	4.00	0.91	6.00
Hunters Afield**	5	5	12	11	6	5	24	24	5	12	12	8	18
Hunter-Days	30	58	62	56	24	24	147	205	60	124	48	27	54
Turkeys Bagged	2	3	5	8	4	2	12	15	3	4	4	0	6
Percent Success	40	60	42	73	67	40	50	63	60	33	33	0	33
Turkeys Bagged Per Hunter-Day	0.07	0.05	0.08	0.14	0.17	0.08	0.08	0.07	0.05	0.03	0.08	0.00	0.11

Reported Information

Average Number of Turkeys

Observed Per Hunter

Gobblers	2.0	0.0	3.2	4.1	1.7	3.0	5.9	8.3	16.0	12.0	4.0	2.3	6.3
Hens	8.7	1.5	17.2	10.9	16.7	10.0	16.8	26.0	30.0	23.3	3.7	8.7	9.3
Jakes	0.7	6.0	2.8	2.9	0.7	1.3	16.5	9.2	7.0	31.7	33.7	0.7	1.8
Unidentified	0.0	0.0	2.6	1.4	0.0	1.3	1.0	10.0	0.0	2.0	6.0	0.0	0.8
Total	2.8	1.9	6.5	4.8	4.8	3.9	10.0	13.4	13.3	17.3	11.8	2.9	4.5

*2003 conservation permit, crippling loss, and spur and beard data not available.

**Landowner harvest and observation data is also included.

Summary of spring Rio Grande Wild Turkey season, 2003* (continued).

	Panguitch	Pine Valley			Southwest	Stansbury	Uintah County			Utah County, North			Utah County, South			Wasatch County		STATE
	Lake	A	B	C	Desert	Mountains	Early	Late	A	B	C	A	B	C	Early	Late	TOTALS	
Hunt Number	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163		
Permits Sold	6	36	36	36	6	12	24	24	24	24	24	12	12	12	7	7	868	
No Hunts	0	2	0	2	0	0	0	0	1	1	0	0	0	0	1	0	25	
Sample Size	3	14	8	17	1	4	6	11	11	9	12	7	5	5	4	3	363	
Projection Factor	2.00	2.25	4.50	1.89	6.00	3.00	4.00	2.18	2.00	2.40	2.00	1.71	2.40	2.40	1.40	2.33	--	
Hunters Afield**	6	32	36	32	6	12	24	24	22	22	24	12	12	12	6	7	810	
Hunter-Days	30	99	198	119	60	66	108	111	112	110	96	50	29	46	13	9	3,720	
Turkeys Bagged	4	25	18	15	0	9	20	20	10	5	18	10	10	5	6	2	501	
Percent Success	67	78	50	47	0	75	83	83	45	23	75	83	83	42	100	29	62	
Turkeys Bagged Per Hunter-Day	0.13	0.25	0.09	0.13	0.00	0.14	0.19	0.18	0.09	0.05	0.19	0.20	0.34	0.11	0.46	0.22	0.13	

Reported Information

Average Number of Turkeys

Observed Per Hunter

Gobblers	2.0	4.8	5.5	5.6	1.0	9.3	9.5	10.3	4.0	15.0	6.7	22.9	6.5	2.0	2.8	6.7	--
Hens	3.0	7.3	17.6	11.2	15.0	17.5	15.5	10.1	22.8	9.3	10.8	14.9	13.0	7.0	3.8	2.0	--
Jakes	0.3	0.6	2.8	24.3	4.0	2.5	3.0	4.8	6.6	0.8	2.6	17.7	2.8	1.0	3.0	4.0	--
Unidentified	0.0	0.2	1.0	7.8	0.0	0.0	0.0	12.2	11.3	0.5	1.0	16.0	26.0	0.0	0.0	0.0	--
Total	1.3	3.2	6.7	12.2	5.0	7.3	7.0	9.4	11.2	6.4	5.3	17.9	12.1	2.5	2.4	3.2	--

*2003 conservation permit, crippling loss, and spur and beard data not available.

**Landowner harvest and observation data is also included.

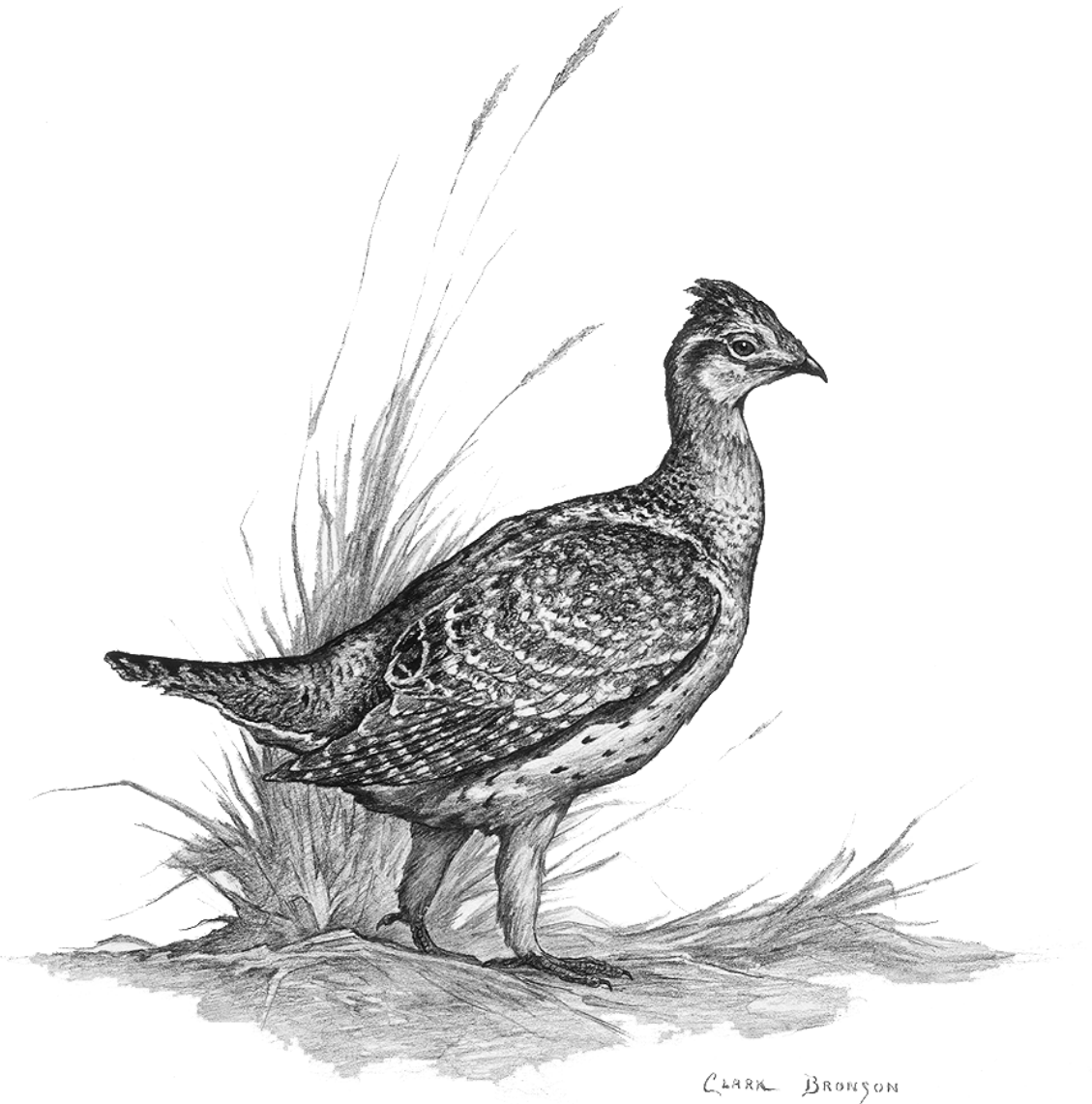
Statewide summary of spring Rio Grande Wild Turkey harvest statistics, 1991-2003.

Year	Total Hunters	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
2001	769	529	2,791	69	0.19	91	812
2002**	876	482	4,131	55	0.12	--	952
2003**	810	501	3,720	62	0.13	--	868
Totals							
(1991-2003)	4,439	2,793	18,109	--	--	--	4,661
Averages							
(1991-2002)	302	191	1,199	66	0.17	78	316
% Change From							
Previous Year	-8	4	-10	13	8	--	-9
% Change From							
Average	168	162	210	-6	-23	--	175

*Includes limited entry, conservation and landowner permittees (1991-2001).

**Includes only public and landowner permittees.

SHARP-TAILED GROUSE



Lek Counts of Columbian Sharp-tailed Grouse, 1979-2003.

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	2001		2002	2003		
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	9	14	11	23		
North White's Valley #1		0		6			2		18	11	9	8	14	5		2	8	8	4		12	3	2	5	22	8		
North White's Valley #2													10	32	3	7	18	5	22		24	20	7	16	35	17		
South White's Valley	3						2	0	6	7	3	13	3	13	4	2		2	1		4	2	0	4	4	4		
Pocatello Valley Complex	7	7	19	19	14	5	9	20	20	19	16	11	4			2	0				8	11				11		
Pocatello Valley #1																							19	8	4	10		
Pocatello Valley #2																							0	1		1		
Pocatello Valley #3																							0	1		1		
Pocatello Valley #4																							19	0	0	6		
Blue Creek													6	5												4		
Wellsville													8	8	3	2	0					0	0	0	0	2		
Snowville													8													8		
Nucor #1																					12	19	0	11	6	10	10	
Nucor #2													11	6								27	5	4		13	11	
Golden Spike #1																						15	16	0	0	15	9	
Golden Spike #2																						14	12	0	17	0	2	8
Golden Spike #3																							35	16	17	6	1	15
Golden Spike #4																						17	20			0	12	
Sunset Pass												8	2														3	
North Hansel Mountain #1																						18	21	33	12	11	14	18
North Hansel Mountain #2																						20	0	0	0	1	0	4
North Hansel Mountain #3																						13	28	19	2	4	5	12
North Hansel Mountain #4																						9	5	12		4	15	9
North Hansel Mountain #5																						8	0	4	0	2	31	8
Middle Canyon #1													9	14	2	6	11	19	15			33	67	33	12	12	20	19
Middle Canyon #2																						13	18	0	0	7	12	8
Middle Canyon #3																						22	20	7	15	4	0	11
Middle Canyon #4																						9	12	8	0	1	0	5
Middle Canyon #5																						33	48	17		4	0	20
Middle Canyon #6																										11	11	
Middle Canyon #7																										18	18	

*Assumption: 90% of maximum birds counted are males

A = Active

Lek Counts of Columbian Sharp-tailed Grouse, 1979-2003 (continued).

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	2001	2002	2003			
BOX ELDER COUNTY (continued)																												
North Promontory #1																					11	11	0	0	0	0	4	
North Promontory #2																					8	1	9	0	0	0	3	
North Promontory #3																					32	18	9	28	15	22	21	
North Promontory #4																					19	16	39	8	2	3	15	
North Promontory #5																					26				7	5	13	
North Promontory #6																					18	4	5	23	14	29	16	
North Promontory #7																					10	20	17	12	22	19	17	
Blue Springs Hills #1																						6	0	1	0		2	
Blue Springs Hills #2																						12	0	0	0		3	
Microwave								6	6	7	9	6															5	
Howell														13	6												6	
Short Divide #1																						21	2	12	3	0	8	
Short Divide #2																						8	4	0	0	0	2	
Cedar Hills #1																							10	0	0	0	3	
Cedar Hills #2																							10	0	0	0	3	
Cedar Hills #3																										3	3	
Ridgedale Pass #1																											49	49
Ridgedale Pass #2																											7	7
Ridgedale Pass #3																											6	6
Ridgedale Pass #4																											7	7
Ridgedale Pass #5																											3	3
Ridgedale Pass #6																											7	7
Ridgedale Pass #7																											10	10
Ridgedale Pass #8																											2	2
Ridgedale Pass #9																											19	19
Ridgedale Pass #10																											9	9
Ridgedale Pass #11																											3	3
Ridgedale Pass #12																											6	6
Ridgedale Pass #13																											14	14
Ridgedale Pass #14																											3	3

*Assumption: 90% of maximum birds counted are males

A = Active

Lek Counts of Columbian Sharp-tailed Grouse, 1979-2003 (continued).

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	2001		2002	2003		
CACHE COUNTY (continued)																												
Four Mile 1 & 2													A	9	27			13			10	17			30	47	22	
Bankhead Well	2	2																0									0	1
Baxter Ridge		3	5	3														0						A	11		4	
Cache Historical #1																		0									0	0
Cache Historical #2																		0										0
Cache Historical #3																		0										0
Cache Historical #4																		0								5	3	
Cache Historical #5																		0									0	0
Cache Historical #6																											0	0
Cache Historical #7																											0	0
Paradise																											0	0
Crow Mountain	13	4	11	3								27	18	9	8		0		0	9	5	0				0	8	
High Creek			7									22			13		30	27	27		21	15	8		15	19		
Obrays, 2003																										10	10	
Clarkston #1																					9	0				0	3	
Clarkston #2																					11	0				0	4	
Clarkston #3											A	A	22	5	A	12	A	A	A	A	A	A	A	A	A	26	16	
Clarkston #4, 2003																										17	17	
Dahle Hollow #1, 1999 or 2000																						A	A	A		3	3	
Dahle Hollow #2, 1999 or 2000																						A	A	A		3	3	
MORGAN COUNTY																												
Cottonwood Complex	28																										28	
Bohman Hollow													11					0									6	
Deep Creek		4																									4	
WEBER COUNTY																												
Monastery		3																									3	
Total Birds Counted	71	24	54	31	28	5	31	72	90	77	77	113	227	178	53	60	37	82	42	362	625	416	245	212	606	152.7		
Total Dancing Grounds	8	7	5	5	2	2	4	4	5	5	5	5	16	13	7	10	6	8	5	21	34	41	37	40	69	14.6		
Average Birds Per 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	6.6	5.3	8.8	10.5		

*Assumption: 90% of maximum birds counted are males

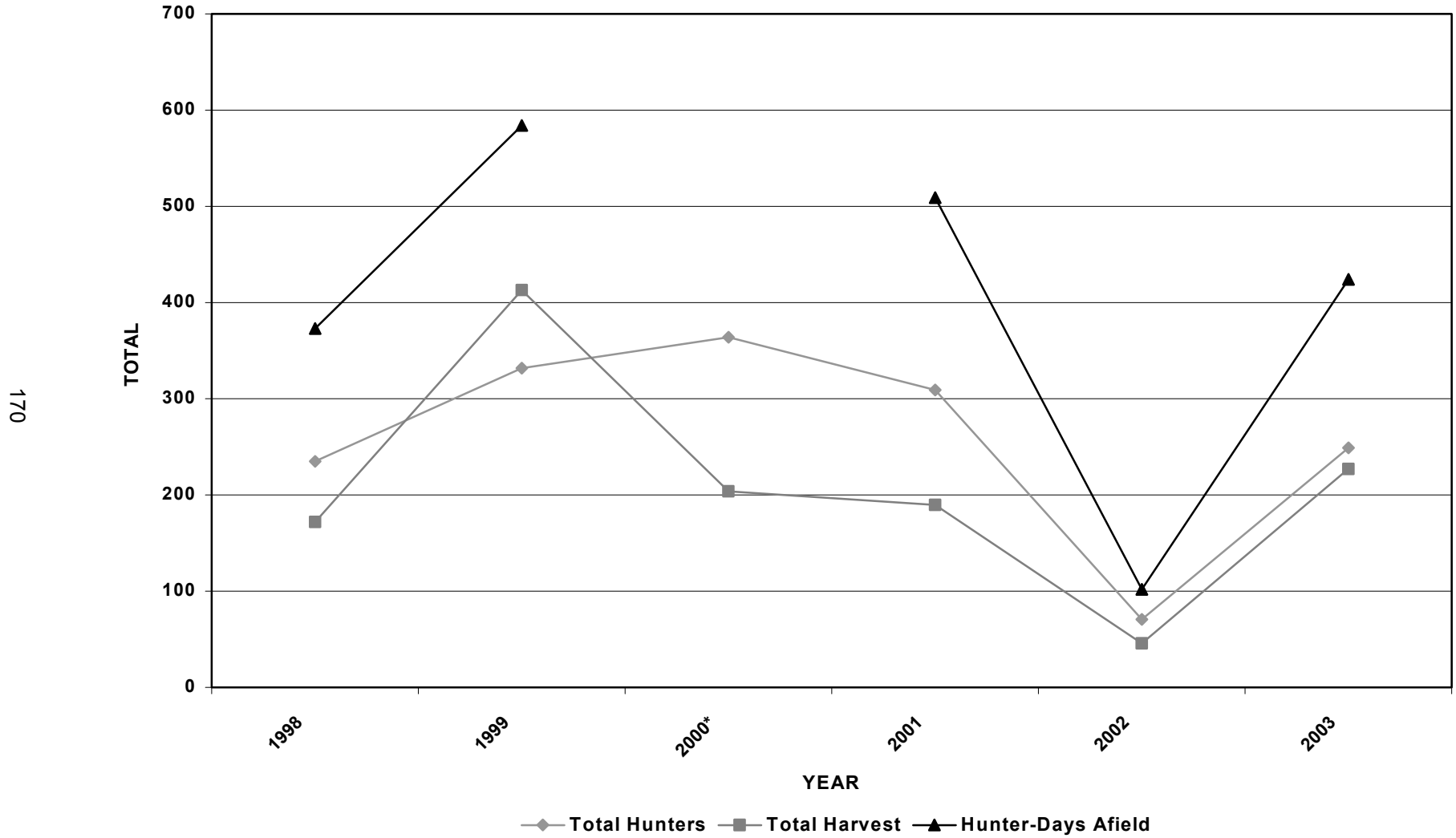
A = Active

Sex and age composition of harvested Sharp-tailed Grouse, 2001-2003*.

Hunt Area	Number of Grouse Harvested			Average (2001-2003)
	2001	2002	2003	
Northern Region				
Box Elder County				
Blue Creek	13	8	13	11
Golden Spike	4	0	2	2
Hansel Valley	13	7	25	15
Howell Valley	26	15	15	19
Middle Canyon	2	0	7	3
North Hansel	6	0	6	4
West Hills	8	3	0	4
White's Valley	19	4	17	13
Unknown	5	0	24	10
Percent Males	33	8	64	35
Percent Females	34	3	17	18
Percent Unknown	32	89	18	46
Percent Adults	53	49	35	46
Percent Juveniles	44	46	63	51
Percent Unknown	1	5	2	3
Total Wings Collected	96	37	109	81

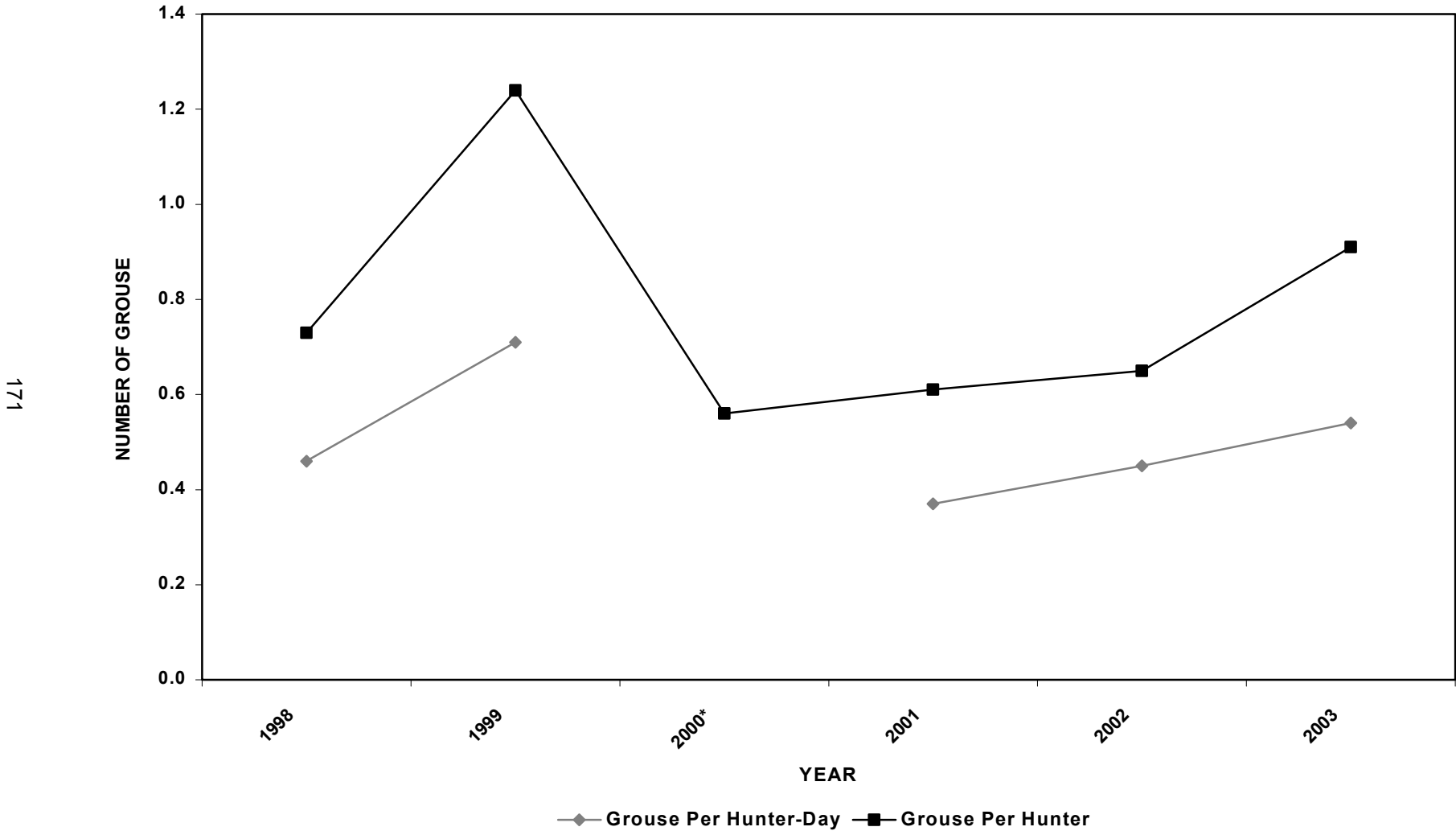
*Information based on wing collection data.

Statewide trends of Sharp-tailed Grouse harvest statistics, 1998-2003.



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

Statewide trends of Sharp-tailed Grouse hunter success rates, 1998-2003.



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

Summary of Sharp-tailed Grouse hunter success and distribution of harvest and hunting pressure by East Box Elder hunt area, 2001.

Hunt Area	Sample Size	Hunters Afield	Hunter-Days Afield	Grouse Bagged	Grouse Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder							
Blue Creek	8	29	47	36	0.77	9.23	18.95
Blue Springs	8	29	40	22	0.55	7.86	11.58
Golden Spike	3	11	11	0	0.00	2.16	0.00
Hansel Valley	11	40	58	4	0.07	11.39	2.11
Howell Valley	30	109	196	80	0.41	38.51	42.11
Middle Canyon	2	7	15	0	0.00	2.95	0.00
North Hansel	12	44	73	11	0.15	14.34	5.79
West Hills	9	33	40	33	0.83	7.86	17.37
White's Valley	1	4	7	0	0.00	1.38	0.00
Unknown	4	15	22	4	0.18	4.32	2.11
TOTALS*	85	309	509	190	0.37	100.00	100.00

*Totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one area.

Projection Factor = 3.637837838

673 Permits Sold

185 (27%) Permittees Surveyed

Summary of Sharp-tailed Grouse hunter success and distribution of harvest and hunting pressure by East Box Elder hunt area, 2002.

Hunt Area	Sample Size	Hunters Afield	Hunter-Days Afield	Grouse Bagged	Grouse Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder							
Blue Creek	10	18	19	7	0.37	18.63	15.22
Blue Springs	--	--	--	--	--	--	--
Golden Spike	1	2	0	0	0.00	0.00	0.00
Hansel Valley	6	11	16	5	0.31	15.69	10.87
Howell Valley	9	16	25	12	0.48	24.51	26.09
Middle Canyon	--	--	--	--	--	--	--
North Hansel	2	4	5	4	0.80	4.90	8.70
West Hills	6	11	14	7	0.50	13.73	15.22
White's Valley	7	12	16	7	0.44	15.69	15.22
Unknown	3	5	7	4	0.57	6.86	8.70
TOTALS*	40	71	102	46	0.45	100.00	100.00

*Totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one area.

Projection Factor = 1.765

143 Permits Sold

81 (57%) Permittees Surveyed

Summary of Sharp-tailed Grouse hunter success and distribution of harvest and hunting pressure by East Box Elder hunt area, 2003.

Hunt Area	Sample Size	Hunters Afield	Hunter-Days Afield	Grouse Bagged	Grouse Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder							
Blue Creek	16	37	44	30	0.68	10.38	13.22
Blue Springs	1	2	5	0	0.00	1.18	0.00
Golden Spike	3	7	14	7	0.50	3.30	3.08
Hansel Valley	20	46	85	65	0.76	20.05	28.63
Howell Valley	25	58	134	44	0.33	31.60	19.38
Middle Canyon	--	--	--	--	--	--	--
North Hansel	5	12	18	12	0.67	4.25	5.29
West Hills	1	2	2	0	0.00	0.47	0.00
White's Valley	17	39	53	30	0.57	12.50	13.22
Unknown	23	53	69	39	0.57	16.27	17.18
TOTALS*	108	249	424	227	0.54	100.00	100.00

*Totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one area.

Projection Factor = 2.308

427 Permits Sold

185 (43%) Permittees Surveyed

Statewide summary of Sharp-tailed Grouse harvest statistics, 1998-2003.

Year	Permits Sold	Total Hunters	Hunter-Days Afield	Total Harvest	Grouse Per Hunter	Grouse Per Hunter-Day	Crippling Loss/ 100 Bagged	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	--	--	--	--
2001**	673	309	509	190	0.61	0.37	--	--	--
2002	143	71	102	46	0.65	0.45	--	--	--
2003	427	249	424	227	0.91	0.54	--	--	--
Totals									
(1998-2003)	2665	1560	1992	1252	--	--	--	10,146	--
Averages									
(1998-2002)	448	262	392	205	0.76	0.50	14	5,073	96.25
% Change From									
Previous Year	199	251	316	393	41	19	--	--	--
% Change From									
Average	-5	-5	8	11	20	7	--	--	--

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

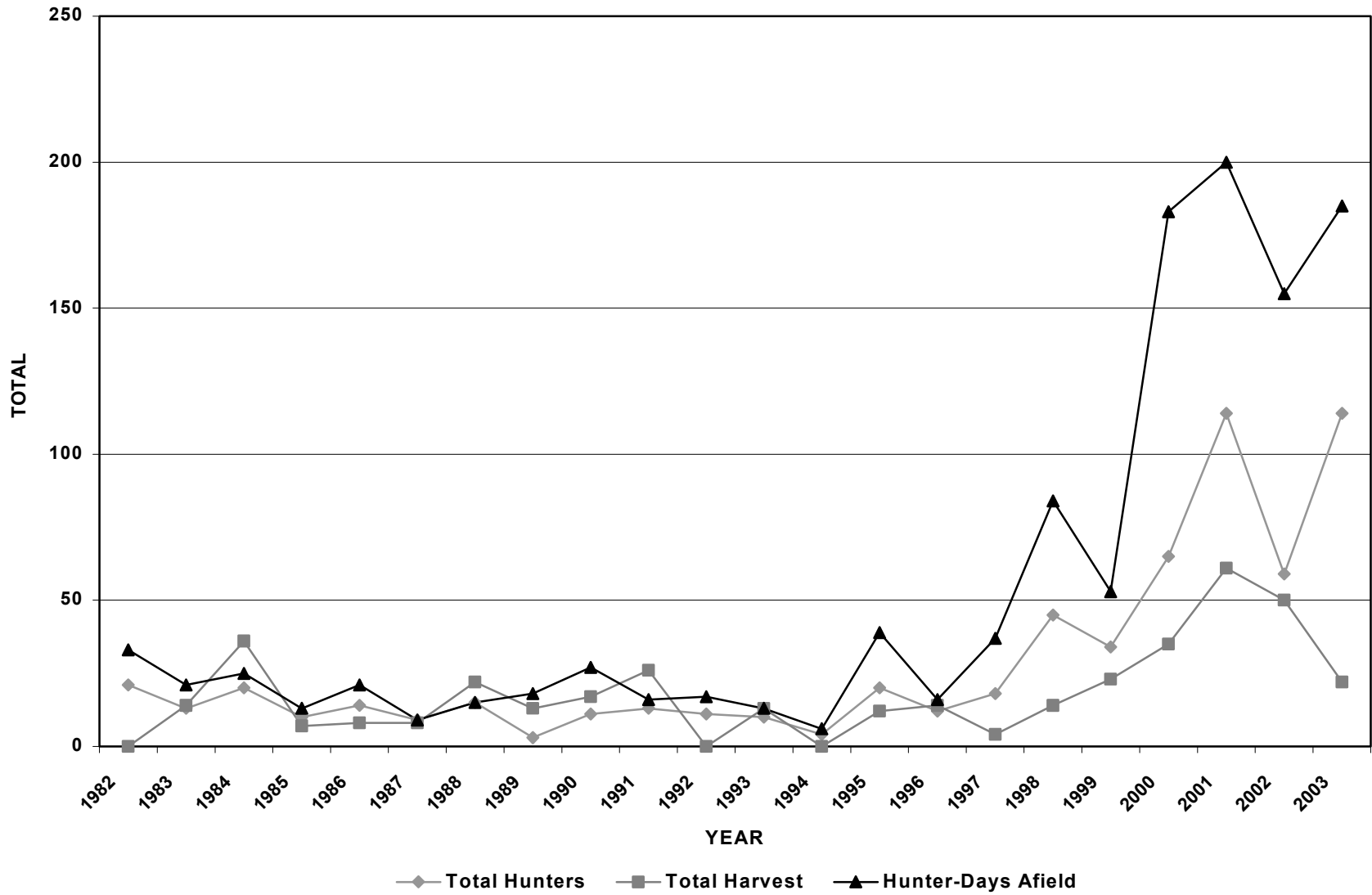
**Beginning in 2001, crippling loss and grouse observed data was no longer collected.

WHITE-TAILED PTARMIGAN



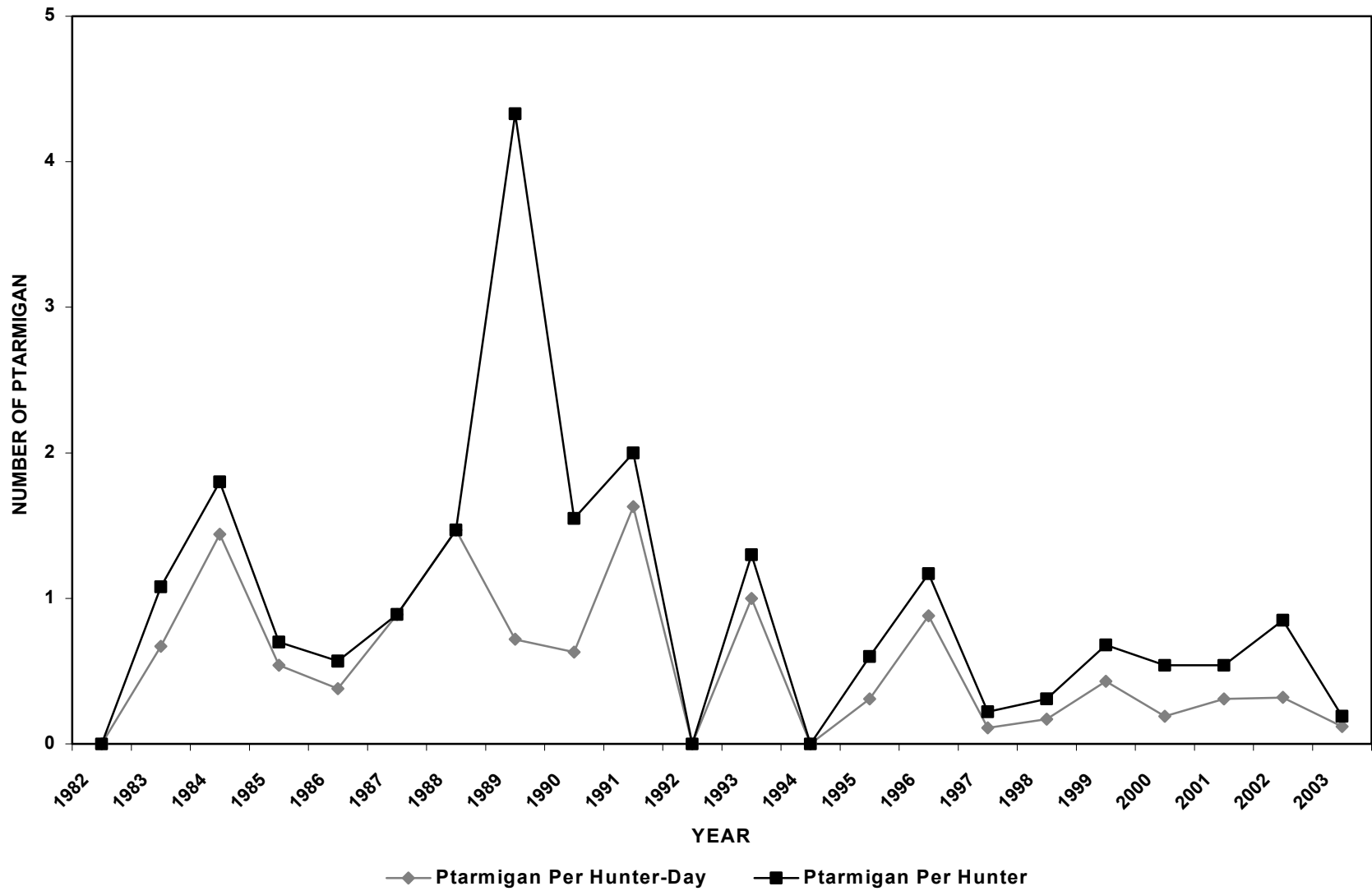
Statewide trends of White-tailed Ptarmigan harvest statistics, 1982-2003.

178



Statewide trends of White-tailed Ptarmigan hunter success rates, 1982-2003.

179



Summary of White-tailed Ptarmigan hunter success and distribution of harvest and hunting pressure by region and county, 2001.

Region and County*	Sample Size	Hunters Afield	Hunter-Days Afield	Ptarmigan Bagged	Ptarmigan Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	3	13	22	0	0.00	11.00	0.00
Cache	1	4	4	0	0.00	2.00	0.00
Davis	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--
Summit	2	9	13	22	1.69	6.50	36.07
Weber	--	--	--	--	--	--	--
REGIONAL TOTALS	6	26	39	22	0.56	19.50	36.07
Central Region							
Juab	--	--	--	--	--	--	--
Salt Lake	--	--	--	--	--	--	--
Sanpete	--	--	--	--	--	--	--
Tooele	--	--	--	--	--	--	--
Utah	2	9	13	0	0.00	6.50	0.00
Wasatch	2	9	9	9	1.00	4.50	14.75
REGIONAL TOTALS	4	18	22	9	0.41	11.00	14.75
Southern Region							
Beaver	--	--	--	--	--	--	--
Garfield	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--
Kane	--	--	--	--	--	--	--
Millard	--	--	--	--	--	--	--
Piute	--	--	--	--	--	--	--
Sevier	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Wayne	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Northeastern Region							
Daggett	5	22	57	4	0.07	28.50	6.56
Duchesne	2	9	17	0	0.00	8.50	0.00
Uintah	6	26	39	17	0.44	19.50	27.87
REGIONAL TOTALS	13	57	113	21	0.19	56.50	34.43
Southeastern Region							
Carbon	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Unknown	5	22	26	9	0.35	13.00	14.75
STATE TOTALS**	26	114	200	61	0.31	100.00	100.00

*White-tailed Ptarmigan are only found in high elevation areas in Daggett, Duchesne, Summit, and Uintah counties; however, several surveyed hunters reported to have hunted Ptarmigan in other counties.

**State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Projection Factor = 4.369863

319 Permits Sold

73 (23%) Permittees Surveyed

Summary of White-tailed Ptarmigan hunter success and distribution of harvest and hunting pressure by region and county, 2002.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Ptarmigan Bagged	Ptarmigan Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	--	--	--	--	--	--	--
Cache*	1	5	5	0	0.00	3.23	0.00
Davis	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--
Rich	--	--	--	--	--	--	--
Summit	6	27	68	50	0.74	43.87	100.00
Weber	--	--	--	--	--	--	--
REGIONAL TOTALS	7	32	73	50	0.68	47.10	100.00
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	2	9	23	0	0.00	14.84	0.00
Uintah	3	14	41	0	0.00	26.45	0.00
REGIONAL TOTALS	5	23	64	0	0.00	41.29	0.00
Southeastern Region							
Carbon	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Unknown	1	5	18	0	0.00	11.61	0.00
STATE TOTALS**	13	59	155	50	0.32	100.00	100.00

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

**State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Projection Factor = 4.5

144 Permits Sold

32 (22%) Permittees Surveyed

Summary of White-tailed Ptarmigan hunter success and distribution of harvest and hunting pressure by region and county, 2003.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Ptarmigan Bagged	Ptarmigan Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--
Rich*	1	4	9	4	0.44	4.86	18.18
Summit	4	18	31	0	0.00	16.76	0.00
Weber	--	--	--	--	--	--	--
REGIONAL TOTALS	5	22	40	4	0.10	21.62	18.18
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	2	9	18	0	0.00	9.73	0.00
Duchesne	5	22	26	9	0.35	14.05	40.91
Uintah	10	44	75	0	0.00	40.54	0.00
REGIONAL TOTALS	17	75	119	9	0.08	64.32	40.91
Southeastern Region							
Carbon	--	--	--	--	--	--	--
Emery	--	--	--	--	--	--	--
Grand	--	--	--	--	--	--	--
San Juan	--	--	--	--	--	--	--
REGIONAL TOTALS	--	--	--	--	--	--	--
Unknown	5	22	26	9	0.35	14.05	40.91
STATE TOTALS**	26	114	185	22	0.12	100.00	100.00

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

**State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Projection Factor = 4.385964912

250 Permits Sold

57 (23%) Permittees Surveyed

Statewide summary of White-tailed Ptarmigan harvest statistics, 1982-2003.

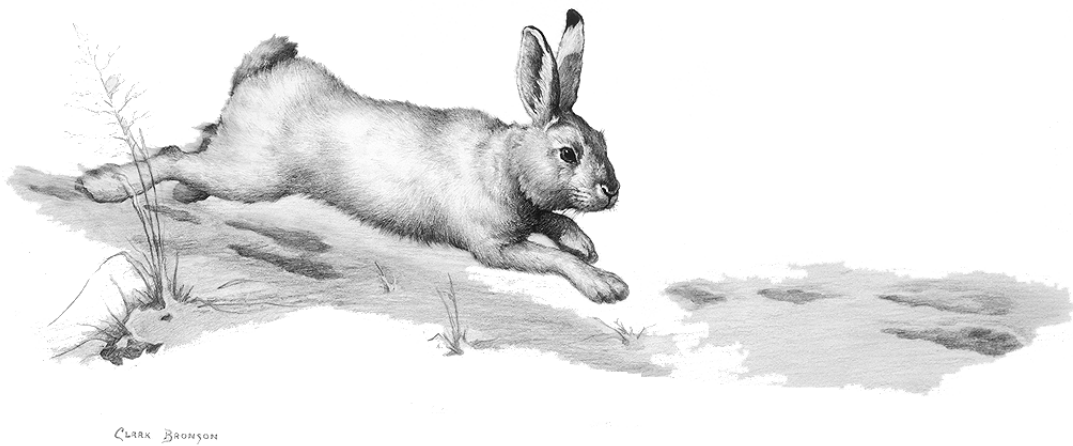
Year	Total Hunters	Total Harvest	Hunter-Days Afield	Ptarmigan Per Hunter-Day	Ptarmigan Per Hunter	Ptarmigan Observed	Percent Hunters Observing Ptarmigan
1982	21	0	33	0.00	0.00	0	0
1983	13	14	21	0.67	1.08	25	30
1984	20	36	25	1.44	1.80	--	--
1985	10	7	13	0.54	0.70	9	14
1986	14	8	21	0.38	0.57	8	22
1987	9	8	9	0.89	0.89	--	--
1988	15	22	15	1.47	1.47	59	--
1989	3	13	18	0.72	4.33	35	--
1990	11	17	27	0.63	1.55	28	35
1991	13	26	16	1.63	2.00	95	50
1992	11	0	17	0.00	0.00	56	36
1993	10	13	13	1.00	1.30	140	38
1994	4	0	6	0.00	0.00	3	100
1995	20	12	39	0.31	0.60	31	11
1996	12	14	16	0.88	1.17	106	29
1997	18	4	37	0.11	0.22	17	--
1998	45	14	84	0.17	0.31	14	--
1999	34	23	53	0.43	0.68	56	24
2000	65	35	183	0.19	0.54	115	23
2001	114	61	200	0.31	0.54	--	--
2002	59	50	155	0.32	0.85	--	--
2003	114	22	185	0.12	0.19	--	--
Totals							
(1982-2003)	635	399	1,186	--	--	--	--
Averages							
(1982-2002)	25	18	48	0.57	0.98	--	--
% Change From							
Previous Year	93	-56	19	-63	-77	--	--
% Change From							
Average	360	23	288	-79	-80	--	--

RABBITS AND HARES

Cottontail Rabbit

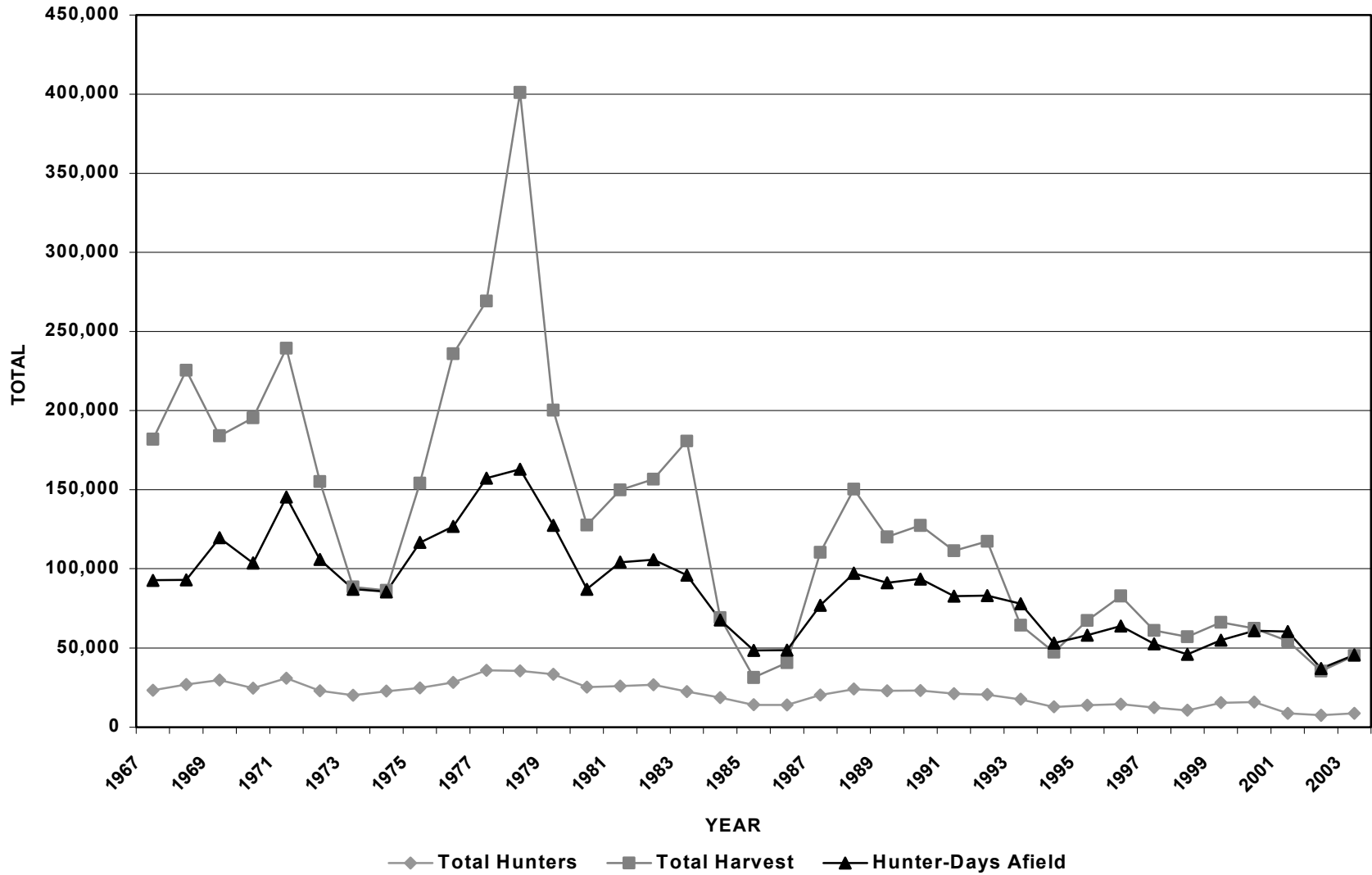


Snowshoe Hare

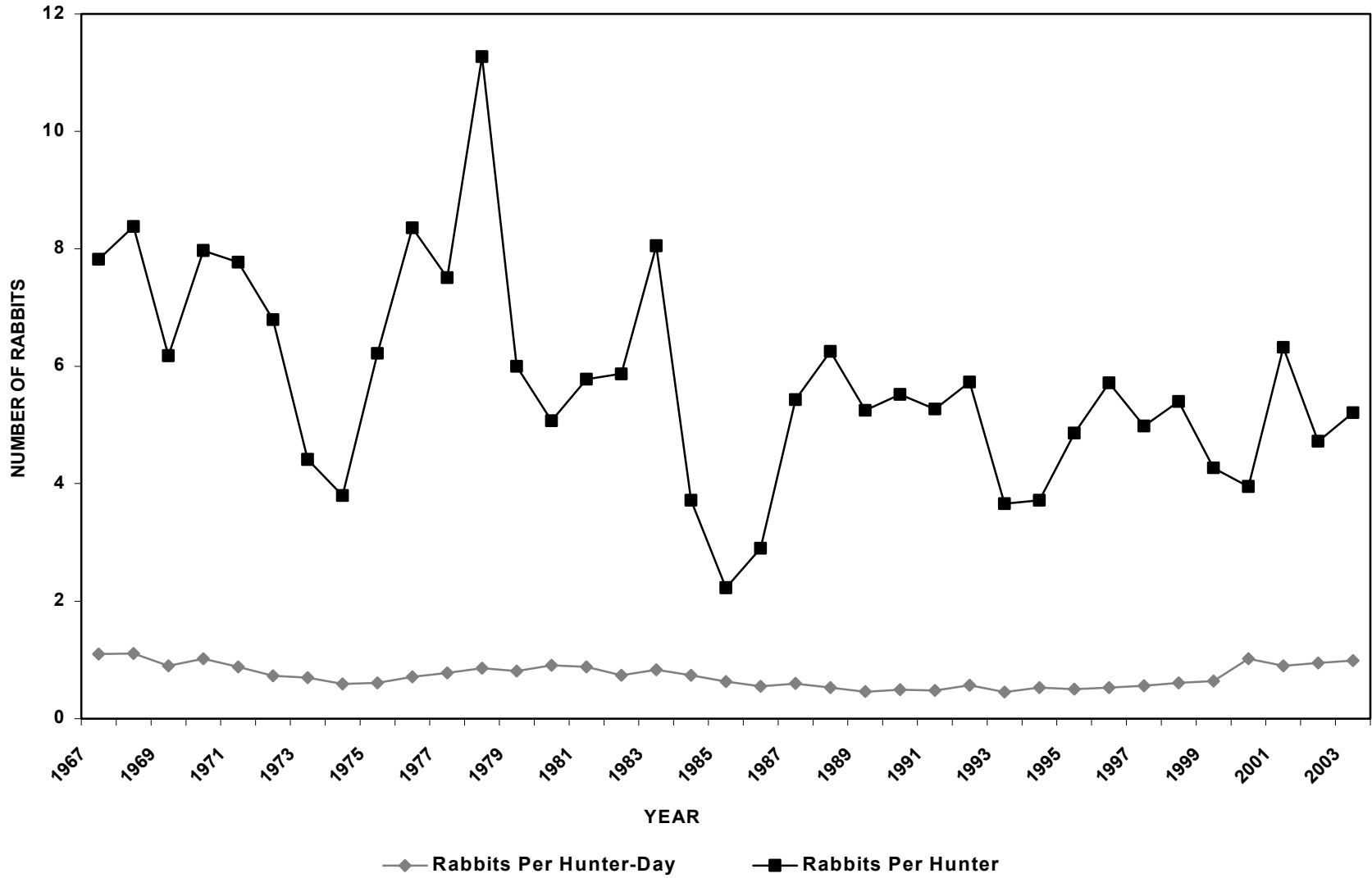


Statewide trends of Cottontail Rabbit harvest statistics, 1967-2003.

186



Statewide trends of Cottontail Rabbit hunter success rates, 1967-2003.



Cottontail Rabbit summer inventory, 2001.

Region and County	Miles Driven	Rabbits Observed			Total	Young Per 100 Adults	Rabbits Per Mile
		Adults	Young	Unclassified			
Northern Region							
Box Elder	--	--	--	--	--	--	--
Cache	--	--	--	--	--	--	--
Davis	--	--	--	--	--	--	--
Morgan	--	--	--	--	--	--	--
Rich	180	46	16	0	62	35	0.34
Summit	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--
REGIONAL TOTALS	180	46	16	0	62	35	0.34
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	180	46	16	0	62	35	0.34

Cottontail Rabbit summer inventory, 2002.

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	180	62	19	0	81	31	0.45
Summit	--	--	--	--	--	--	--
Weber	--	--	--	--	--	--	--
REGIONAL TOTALS	180	62	19	0	81	31	0.45
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	180	62	19	0	81	31	0.45

Summary of Cottontail Rabbits observed per mile during summer inventory, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Northern Region											
Box Elder	--	--	--	--	0.04	0.04	--	--	--	--	
Cache	--	--	--	--	--	--	--	--	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	--	0.13	0.21	0.14	0.34	0.45	--	
Summit	--	--	--	--	0.04	--	--	--	--	--	
Weber	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	0.07	0.10	0.14	0.34	0.45	--	0.22
Central Region											
Juab	--	0.01	0.02	0.00	0.00	0.12	0.19	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	0.07	0.14	0.00	0.18	0.20	0.22	--	--	--	
Tooele	--	0.02	0.00	0.02	0.00	--	0.10	--	--	--	
Utah	--	--	--	--	--	--	--	--	--	--	
Wasatch	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	0.04	0.06	0.01	0.06	0.16	0.17	--	--	--	0.08
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	--	--	--	--	--	0.71	1.08	--	--	--	
REGIONAL TOTALS	--	--	--	--	0.23	0.35	0.89	--	--	--	0.49
Northeastern Region											
Daggett	0.07	0.50	0.94	0.80	1.14	--	0.49	--	--	--	
Duchesne	0.56	0.39	1.69	0.33	0.95	--	0.43	--	--	--	
Uintah	0.24	0.23	0.82	0.43	--	--	0.52	--	--	--	
REGIONAL TOTALS	0.36	0.39	1.21	0.50	1.00	--	0.47	--	--	--	0.66
Southeastern Region											
Carbon	--	--	--	--	0.97	0.14	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	--	--	--	--	--	--	--	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	0.97	0.14	--	--	--	--	0.56
STATE TOTALS	0.36	0.20	0.57	0.24	0.25	0.21	0.53	0.34	0.45	--	0.35

Summary of Cottontail Rabbit young per 100 adults, 1994-2003.

Region and County	Year										Average 1994-2002
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Northern Region											
Box Elder	--	--	--	--	33	45	--	--	--	--	
Cache	--	--	--	--	--	--	--	--	--	--	
Davis	--	--	--	--	--	--	--	--	--	--	
Morgan	--	--	--	--	--	--	--	--	--	--	
Rich	--	--	--	--	44	36	160	35	31	--	
Summit	--	--	--	--	33	--	--	--	--	--	
Weber	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	40	38	160	35	31	--	61
Central Region											
Juab	--	0	100	--	--	175	143	--	--	--	
Salt Lake	--	--	--	--	--	--	--	--	--	--	
Sanpete	--	133	100	--	220	125	100	--	--	--	
Tooele	--	--	--	--	--	--	167	--	--	--	
Utah	--	--	--	--	--	--	--	--	--	--	
Wasatch	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	125	100	--	220	142	125	--	--	--	142
Southern Region											
Beaver	--	--	--	--	13	8	20	--	--	--	
Garfield	--	--	--	--	--	114	25	--	--	--	
Iron	--	--	--	--	143	171	106	--	--	--	
Kane	--	--	--	--	--	--	--	--	--	--	
Millard	--	--	--	--	--	6	--	--	--	--	
Piute	--	--	--	--	--	--	--	--	--	--	
Sevier	--	--	--	--	0	--	33	--	--	--	
Washington	--	--	--	--	--	--	--	--	--	--	
Wayne	--	--	--	--	260	220	411	--	--	--	
REGIONAL TOTALS	--	--	--	--	131	102	148	--	--	--	127
Northeastern Region											
Daggett	--	100	177	89	125	--	137	--	--	--	
Duchesne	17	183	172	110	24	--	8	--	--	--	
Uintah	50	50	156	94	--	--	138	--	--	--	
REGIONAL TOTALS	18	113	170	95	48	--	63	--	--	--	84
Southeastern Region											
Carbon	--	--	--	--	150	33	--	--	--	--	
Emery	--	--	--	--	--	--	--	--	--	--	
Grand	--	--	--	--	--	--	--	--	--	--	
San Juan	--	--	--	--	--	--	--	--	--	--	
REGIONAL TOTALS	--	--	--	--	150	33	--	--	--	--	92
STATE TOTALS	18	114	163	98	88	85	115	35	31	--	83

Summary of Cottontail Rabbit hunter success and distribution of harvest and hunting pressure by region and county, 2001.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Rabbits Bagged	Rabbits Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	21	673	2,531	2,147	0.85	4.19	3.94
Cache	3	96	1,506	641	0.43	2.49	1.18
Davis	1	32	32	0	0.00	0.05	0.00
Morgan	0	0	0	0	0.00	0.00	0.00
Rich	4	128	609	1,666	2.74	1.01	3.06
Summit	4	128	288	128	0.44	0.48	0.23
Weber	2	64	192	0	0.00	0.32	0.00
REGIONAL TOTALS	35	1,121	5,158	4,582	0.89	8.54	8.41
Central Region							
Juab	16	513	1,730	1,538	0.89	2.86	2.82
Salt Lake	1	32	32	0	0.00	0.05	0.00
Sanpete	11	352	1,730	1,250	0.72	2.86	2.29
Tooele	31	993	4,358	3,589	0.82	7.22	6.58
Utah	33	1,057	2,948	2,403	0.82	4.88	4.41
Wasatch	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	92	2,947	10,798	8,780	0.81	17.88	16.11
Southern Region							
Beaver	4	128	1,698	961	0.57	2.81	1.76
Garfield	2	64	256	128	0.50	0.42	0.23
Iron	4	128	3,749	801	0.21	6.21	1.47
Kane	0	0	0	0	0.00	0.00	0.00
Millard	13	417	1,698	1,891	1.11	2.81	3.47
Piute	1	32	641	320	0.50	1.06	0.59
Sevier	9	288	1,025	961	0.94	1.70	1.76
Washington	5	160	449	1,122	2.50	0.74	2.06
Wayne	3	96	128	64	0.50	0.21	0.12
REGIONAL TOTALS	41	1,313	9,644	6,248	0.65	15.97	11.46
Northeastern Region							
Daggett	3	96	801	2,596	3.24	0.00	4.76
Duchesne	24	769	4,390	5,191	1.18	7.27	9.52
Uintah	41	1,314	9,133	12,593	1.38	15.12	23.10
REGIONAL TOTALS	68	2,179	14,324	20,380	1.42	23.71	37.39
Southeastern Region							
Carbon	22	705	4,230	4,102	0.97	7.00	7.53
Emery	29	929	8,396	4,967	0.59	13.90	9.11
Grand	1	32	481	128	0.27	0.80	0.23
San Juan	16	513	3,621	4,454	1.23	5.99	8.17
REGIONAL TOTALS	68	2,179	16,728	13,651	0.82	27.69	25.04
Unknown	5	160	3,749	865	0.23	6.21	1.59
STATE TOTALS*	269	8,620	60,401	54,506	0.90	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Cottontail Rabbit hunter success and distribution of harvest and hunting pressure by region and county, 2002.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Rabbits Bagged	Rabbits Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	24	718	2,544	3,981	1.56	6.88	11.27
Cache	3	90	90	90	1.00	0.24	0.25
Davis	0	0	0	0	0.00	0.00	0.00
Morgan	3	90	419	449	1.07	1.13	1.27
Rich	4	120	658	419	0.64	1.78	1.19
Summit	7	210	718	808	1.13	1.94	2.29
Weber	3	90	898	90	0.10	2.43	0.25
REGIONAL TOTALS	44	1,318	5,327	5,837	1.10	14.40	16.53
Central Region							
Juab	14	419	1,646	1,107	0.67	4.45	3.13
Salt Lake	0	0	0	0	0.00	0.00	0.00
Sanpete	5	150	329	329	1.00	0.89	0.93
Tooele	39	1,167	5,418	5,747	1.06	14.65	16.27
Utah	40	1,197	3,412	1,856	0.54	9.22	5.25
Wasatch	3	90	150	30	0.20	0.41	0.08
REGIONAL TOTALS	101	3,023	10,955	9,069	0.83	29.61	25.68
Southern Region							
Beaver	4	120	359	419	1.17	0.97	1.19
Garfield	1	30	299	60	0.20	0.81	0.17
Iron	3	90	958	569	0.59	2.59	1.61
Kane	2	60	210	419	2.00	0.57	1.19
Millard	10	299	838	299	0.36	2.27	0.85
Piute	2	60	120	60	0.50	0.32	0.17
Sevier	11	329	868	569	0.66	2.35	1.61
Washington	7	210	1,616	1,377	0.85	4.37	3.90
Wayne	2	60	180	419	2.33	0.49	1.19
REGIONAL TOTALS	42	1,258	5,448	4,191	0.77	14.73	11.87
Northeastern Region							
Daggett	4	120	569	629	1.11	0.00	1.78
Duchesne	21	629	5,747	2,993	0.52	15.53	8.47
Uintah	19	569	2,993	5,238	1.75	8.09	14.83
REGIONAL TOTALS	44	1,318	9,309	8,860	0.95	25.16	25.08
Southeastern Region							
Carbon	13	389	1,227	3,711	3.02	3.32	10.51
Emery	13	389	1,227	1,227	1.00	3.32	3.47
Grand	2	60	239	180	0.75	0.65	0.51
San Juan	5	150	269	180	0.67	0.73	0.51
REGIONAL TOTALS	33	988	2,962	5,298	1.79	8.01	15.00
Unknown	23	688	2,993	2,065	0.69	8.09	5.85
STATE TOTALS*	250	7,483	36,994	35,320	0.95	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Cottontail Rabbit hunter success and distribution of harvest and hunting pressure by region and county, 2003.

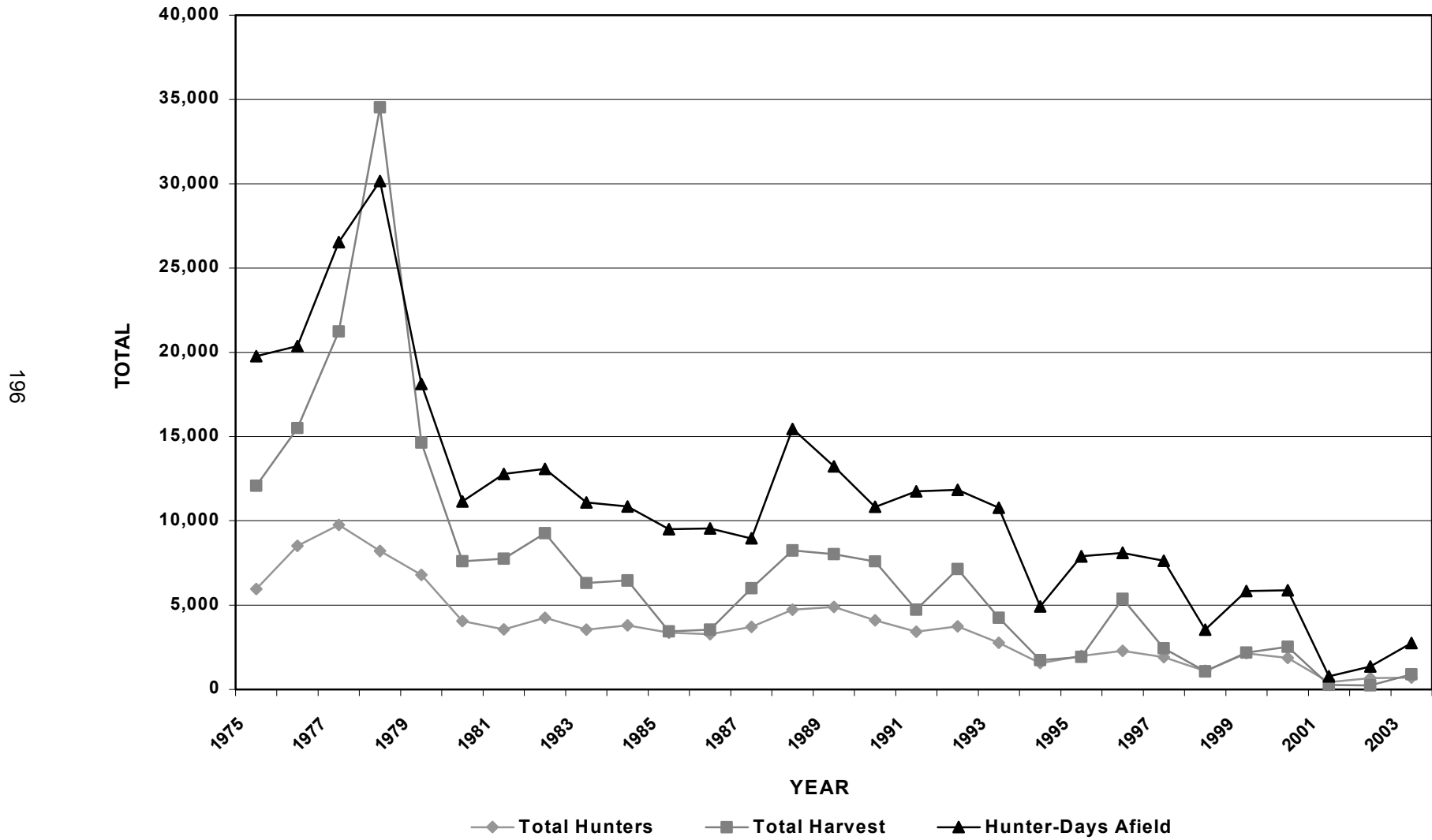
Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Rabbits Bagged	Rabbits Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	32	955	4,626	5,522	1.19	10.12	12.21
Cache	3	90	239	269	1.13	0.52	0.59
Davis	1	30	30	0	0.00	0.07	0.00
Morgan	3	90	239	388	1.62	0.52	0.86
Rich	7	209	806	1,612	2.00	1.76	3.56
Summit	5	149	269	119	0.44	0.59	0.26
Weber	5	149	746	149	0.20	1.63	0.33
REGIONAL TOTALS	56	1,672	6,955	8,059	1.16	15.22	17.82
Central Region							
Juab	8	239	1,283	597	0.47	2.81	1.32
Salt Lake	2	60	179	298	1.66	0.39	0.66
Sanpete	5	149	537	358	0.67	1.18	0.79
Tooele	34	1,015	3,880	4,149	1.07	8.49	9.18
Utah	34	1,015	4,208	3,343	0.79	9.21	7.39
Wasatch	4	119	298	448	1.50	0.65	0.99
REGIONAL TOTALS	87	2,597	10,385	9,193	0.89	22.73	20.33
Southern Region							
Beaver	6	179	388	1,164	3.00	0.85	2.57
Garfield	2	60	1,791	1,791	1.00	3.92	3.96
Iron	2	60	90	60	0.67	0.20	0.13
Kane	2	60	328	418	1.27	0.72	0.92
Millard	7	209	657	1,104	1.68	1.44	2.44
Piute	1	30	30	60	2.00	0.07	0.13
Sevier	6	179	716	955	1.33	1.57	2.11
Washington	8	239	1,492	1,612	1.08	3.27	3.56
Wayne	2	60	179	30	0.17	0.39	0.07
REGIONAL TOTALS	36	1,076	5,671	7,194	1.27	12.41	15.91
Northeastern Region							
Daggett	3	90	119	448	3.76	0.00	0.99
Duchesne	23	686	3,074	3,014	0.98	6.73	6.67
Uintah	33	985	6,924	7,909	1.14	15.15	17.49
REGIONAL TOTALS	59	1,761	10,117	11,371	1.12	22.14	25.15
Southeastern Region							
Carbon	22	657	5,790	3,223	0.56	12.67	7.13
Emery	18	537	2,746	2,447	0.89	6.01	5.41
Grand	2	60	507	90	0.18	1.11	0.20
San Juan	5	149	806	239	0.30	1.76	0.53
REGIONAL TOTALS	47	1,403	9,849	5,999	0.61	21.55	13.27
Unknown	33	985	2,716	3,402	1.25	5.94	7.52
STATE TOTALS*	291	8,685	45,693	45,218	0.99	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Statewide summary of Cottontail Rabbit harvest statistics, 1967-2003.

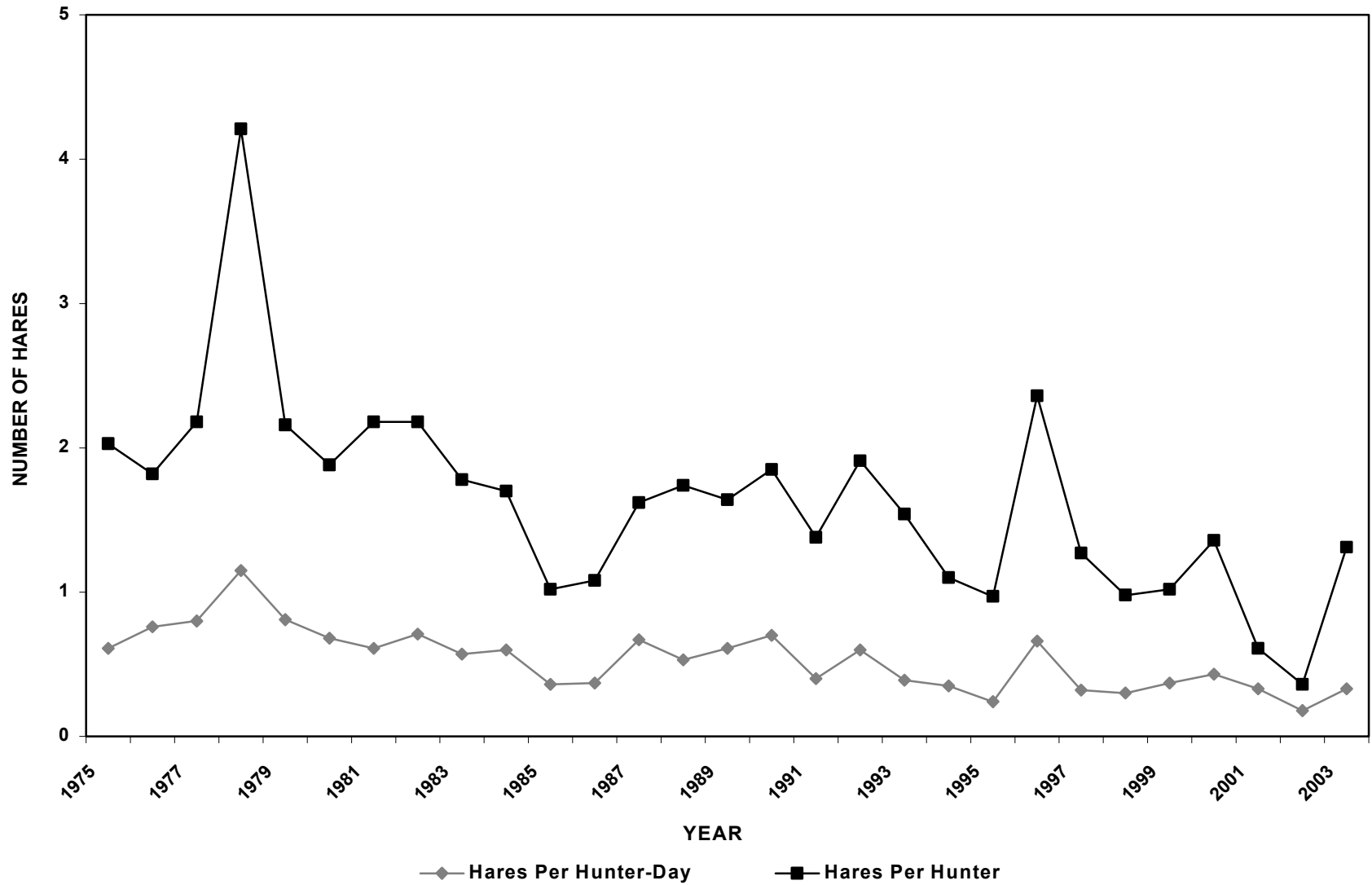
Year	Total Hunters	Total Harvest	Hunter-Days Afield	Rabbits Per Hunter-Day	Rabbits Per Hunter
1967	23,249	181,812	92,681	1.10	7.82
1968	26,889	225,450	93,126	1.11	8.38
1969	29,760	184,034	119,596	0.90	6.18
1970	24,486	195,248	103,725	1.02	7.97
1971	30,824	239,511	145,287	0.88	7.77
1972	22,835	155,102	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
2001	8,620	54,506	60,401	0.90	6.32
2002	7,483	35,320	36,994	0.95	4.72
2003	8,685	45,210	45,693	0.99	5.21
Totals (1967-2003)	775,144	4,753,752	3,217,326	--	--
Averages (1967-2002)	21,291	130,793	88,101	0.72	5.75
% Change From Previous Year	16	28	24	4	10
% Change From Average	-59	-65	-48	37	-10

Statewide trends of Snowshoe Hare harvest statistics, 1975-2003.



Statewide trends of Snowshoe Hare hunter success rates, 1975-2003.

197



Summary of Snowshoe Hare hunter success and distribution of harvest and hunting pressure by region and county, 2001.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Hares Bagged	Hares Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	2	64	96	0	0.00	12.50	0.00
Cache	3	96	352	64	0.18	45.83	25.00
Davis	0	0	0	0	0.00	0.00	0.00
Morgan	0	0	0	0	0.00	0.00	0.00
Rich	0	0	0	0	0.00	0.00	0.00
Summit	1	32	32	32	1.00	4.17	12.50
Weber	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	6	192	480	96	0.20	62.50	37.50
Central Region							
Juab	0	0	0	0	0.00	0.00	0.00
Salt Lake	0	0	0	0	0.00	0.00	0.00
Sanpete	0	0	0	0	0.00	0.00	0.00
Tooele	0	0	0	0	0.00	0.00	0.00
Utah	2	64	64	0	0.00	8.33	0.00
Wasatch	2	64	96	64	0.67	12.50	25.00
REGIONAL TOTALS	4	128	160	64	0.40	20.83	25.00
Southern Region							
Beaver	0	0	0	0	0.00	0.00	0.00
Garfield	0	0	0	0	0.00	0.00	0.00
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	0	0	0	0	0.00	0.00	0.00
Washington	0	0	0	0	0.00	0.00	0.00
Wayne	1	32	64	0	0.00	8.33	0.00
REGIONAL TOTALS	1	32	64	0	0.00	8.33	0.00
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	1	32	32	32	1.00	4.17	12.50
Emery	0	0	0	0	0.00	0.00	0.00
Grand	0	0	0	0	0.00	0.00	0.00
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	1	32	32	32	1.00	4.17	12.50
Unknown	1	32	32	64	2.00	4.17	25.00
STATE TOTALS*	13	417	768	256	0.33	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Snowshoe Hare hunter success and distribution of harvest and hunting pressure by region and county, 2002.

Region and County	Sample Size	Hunters Afield	Hunter-Days Afield	Hares Bagged	Hares Per Hunter-Day	Percent Pressure	Percent Harvest
Northern Region							
Box Elder	2	60	180	120	0.67	13.35	50.00
Cache	1	30	30	30	1.00	2.23	12.50
Davis	0	0	0	0	0.00	0.00	0.00
Morgan	1	30	30	0	0.00	2.23	0.00
Rich	1	30	90	0	0.00	6.68	0.00
Summit	4	120	389	30	0.08	28.86	12.50
Weber	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	9	270	719	180	0.25	53.34	75.00
Central Region							
Juab	1	30	30	0	0.00	2.23	0.00
Salt Lake	1	30	30	0	0.00	2.23	0.00
Sanpete	1	30	60	0	0.00	4.45	0.00
Tooele	1	30	30	30	1.00	2.23	12.50
Utah	4	120	299	0	0.00	22.18	0.00
Wasatch	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	8	240	449	30	0.07	33.31	12.50
Southern Region							
Beaver	0	0	0	0	0.00	0.00	0.00
Garfield	0	0	0	0	0.00	0.00	0.00
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	0	0	0	0	0.00	0.00	0.00
Washington	0	0	0	0	0.00	0.00	0.00
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	0	0	0	0	0.00	0.00	0.00
Northeastern Region							
Daggett	1	30	30	0	0.00	2.23	0.00
Duchesne	2	60	90	0	0.00	6.68	0.00
Uintah	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	3	90	120	0	0.00	8.90	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	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	0	0	0	0	0.00	0.00	0.00
Unknown	2	60	60	30	0.50	4.45	12.50
STATE TOTALS*	22	658	1,348	240	0.18	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Summary of Snowshoe Hare hunter success and distribution of harvest and hunting pressure by region and county, 2003.

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	90	149	119	0.80	5.42	13.27
Cache	2	60	448	60	0.13	16.31	6.69
Davis	1	30	90	0	0.00	3.28	0.00
Morgan	0	0	0	0	0.00	0.00	0.00
Rich	0	0	0	0	0.00	0.00	0.00
Summit	1	30	179	0	0.00	6.52	0.00
Weber	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	7	210	866	179	0.21	31.53	19.96
Central Region							
Juab	0	0	0	0	0.00	0.00	0.00
Salt Lake	2	60	90	30	0.33	3.28	3.34
Sanpete	0	0	0	0	0.00	0.00	0.00
Tooele	1	30	30	0	0.00	1.09	0.00
Utah	3	90	597	269	0.45	21.73	29.99
Wasatch	1	30	119	0	0.00	4.33	0.00
REGIONAL TOTALS	7	210	836	299	0.36	30.43	33.33
Southern Region							
Beaver	0	0	0	0	0.00	0.00	0.00
Garfield	0	0	0	0	0.00	0.00	0.00
Iron	1	30	60	0	0.00	2.18	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	0	0	0	0	0.00	0.00	0.00
Washington	0	0	0	0	0.00	0.00	0.00
Wayne	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	1	30	60	0	0.00	2.18	0.00
Northeastern Region							
Daggett	0	0	0	0	0.00	0.00	0.00
Duchesne	2	60	179	90	0.50	6.52	10.03
Uintah	1	30	30	0	0.00	1.09	0.00
REGIONAL TOTALS	3	90	209	90	0.00	7.61	10.03
Southeastern Region							
Carbon	1	30	60	0	0.00	2.18	0.00
Emery	2	60	298	90	0.30	10.85	10.03
Grand	0	0	0	0	0.00	0.00	0.00
San Juan	0	0	0	0	0.00	0.00	0.00
REGIONAL TOTALS	3	90	358	90	0.25	13.03	10.03
Unknown	4	119	418	239	0.57	15.22	26.64
STATE TOTALS*	23	686	2,747	897	0.33	100.00	100.00

*State totals for sample size and hunters afield are not the total of the columns because many hunters hunted in more than one county.

Statewide summary of Snowshoe Hare harvest statistics, 1975-2003.

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
2001	417	256	768	0.33	0.61
2002	658	240	1,348	0.18	0.36
2003	686	897	2,747	0.33	1.31
Totals (1975-2003)	106,951	206,871	324,357	--	--
Averages (1975-2002)	3,795	7,356	11,486	0.54	1.64
% Change From Previous Year	4	274	104	83	258
% Change From Average	-82	-88	-76	-40	-20

APPENDIX A

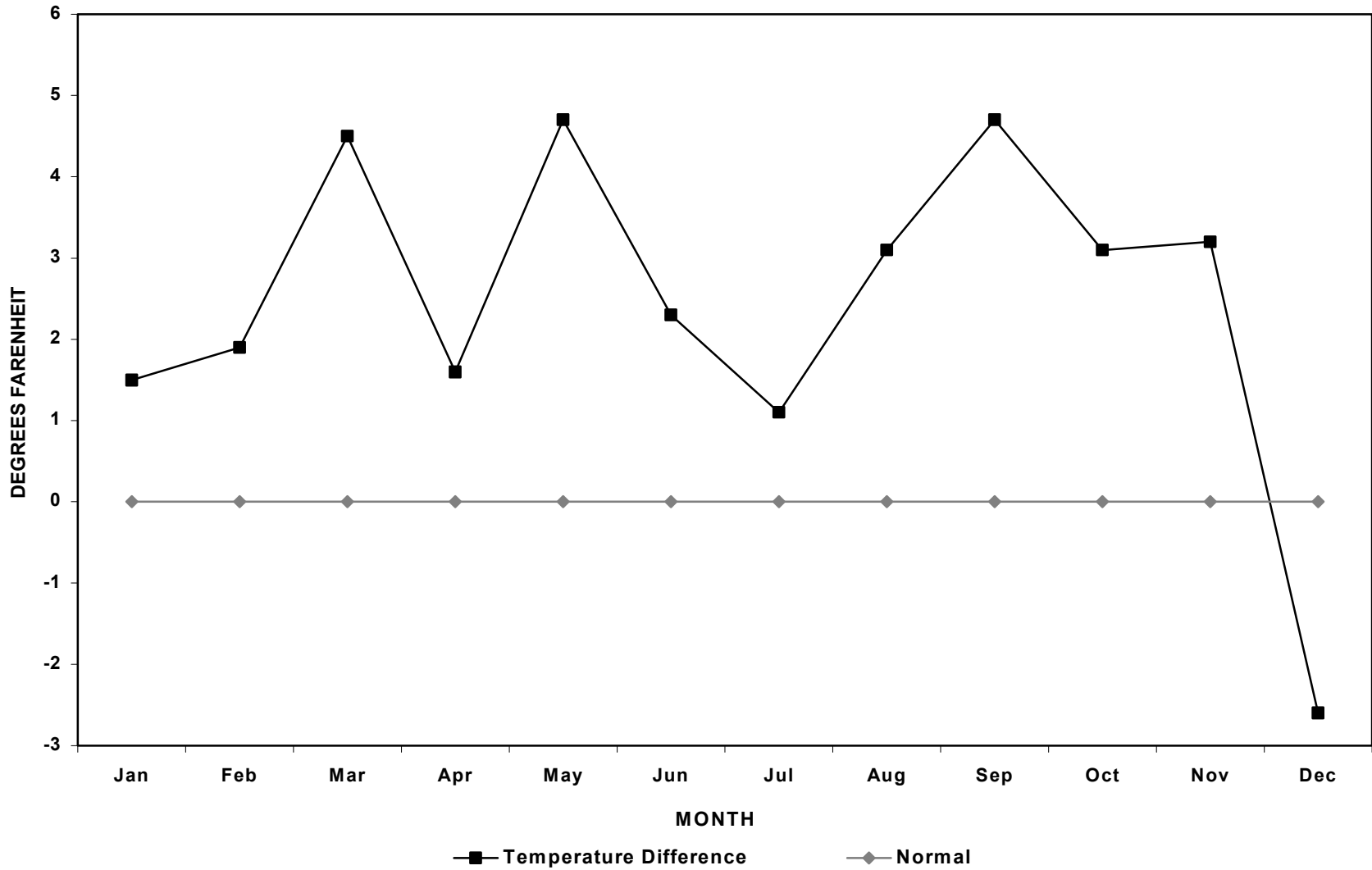
WEATHER CONDITIONS

Weather information used in this report is from the N.O.A.A. monthly periodical titled "Climatological Data."

Comparison of 2001 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
2001	25.7	33.4	44.0	48.3	60.9	67.5	75.2	75.5	66.1	53.0	40.0	25.0	51.2
Departure (degrees)	-0.3	0.9	4.4	1.0	4.4	1.5	0.9	3.4	4.1	2.9	2.4	-2.4	1.9
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
2001	41.5	44.6	53.6	58.5	73.1	77.6	81.4	83.0	76.9	65.1	52.1	38.0	62.1
Departure (degrees)	2.7	0.5	4.4	1.9	7.4	2.0	-0.3	3.6	5.0	4.2	4.1	-1.5	2.8
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
2001	24.8	32.8	43.7	48.9	61.8	68.5	76.8	76.1	68.0	53.9	42.0	24.7	51.8
Departure (degrees)	-1.0	1.5	4.4	1.2	4.9	2.3	2.4	3.8	5.6	3.0	3.7	-3.1	2.4
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
2001	27.5	32.9	41.4	45.7	58.0	65.1	70.1	70.9	63.9	52.5	39.3	25.3	49.4
Departure (degrees)	1.0	1.3	3.8	0.6	4.0	1.7	-0.3	2.7	4.0	3.2	2.0	-2.8	1.8
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
2001	19.9	25.4	35.7	42.4	53.8	60.8	67.8	67.8	60.0	47.6	36.1	20.1	44.8
Departure (degrees)	-1.0	0.7	4.0	1.8	4.2	2.6	2.2	4.2	5.1	2.9	3.6	-2.7	2.3
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
2001	22.5	30.4	43.0	48.8	59.3	67.6	73.5	71.9	64.0	50.2	37.2	16.3	48.7
Departure (degrees)	5.8	6.4	6.7	2.0	3.1	2.3	1.3	2.1	3.8	1.9	3.2	-4.2	2.9
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
2001	30.4	36.3	46.0	53.2	64.7	73.6	78.1	76.2	70.2	56.7	43.5	28.3	54.8
Departure (degrees)	3.5	2.1	4.1	2.7	4.7	3.5	1.4	2.0	5.0	3.3	3.3	-1.2	2.9
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
2001	27.5	33.7	43.9	49.4	61.7	68.7	74.7	74.5	67.0	54.1	41.5	25.4	51.8
Departure (degrees)	1.5	1.9	4.5	1.6	4.7	2.3	1.1	3.1	4.7	3.1	3.2	-2.6	2.4

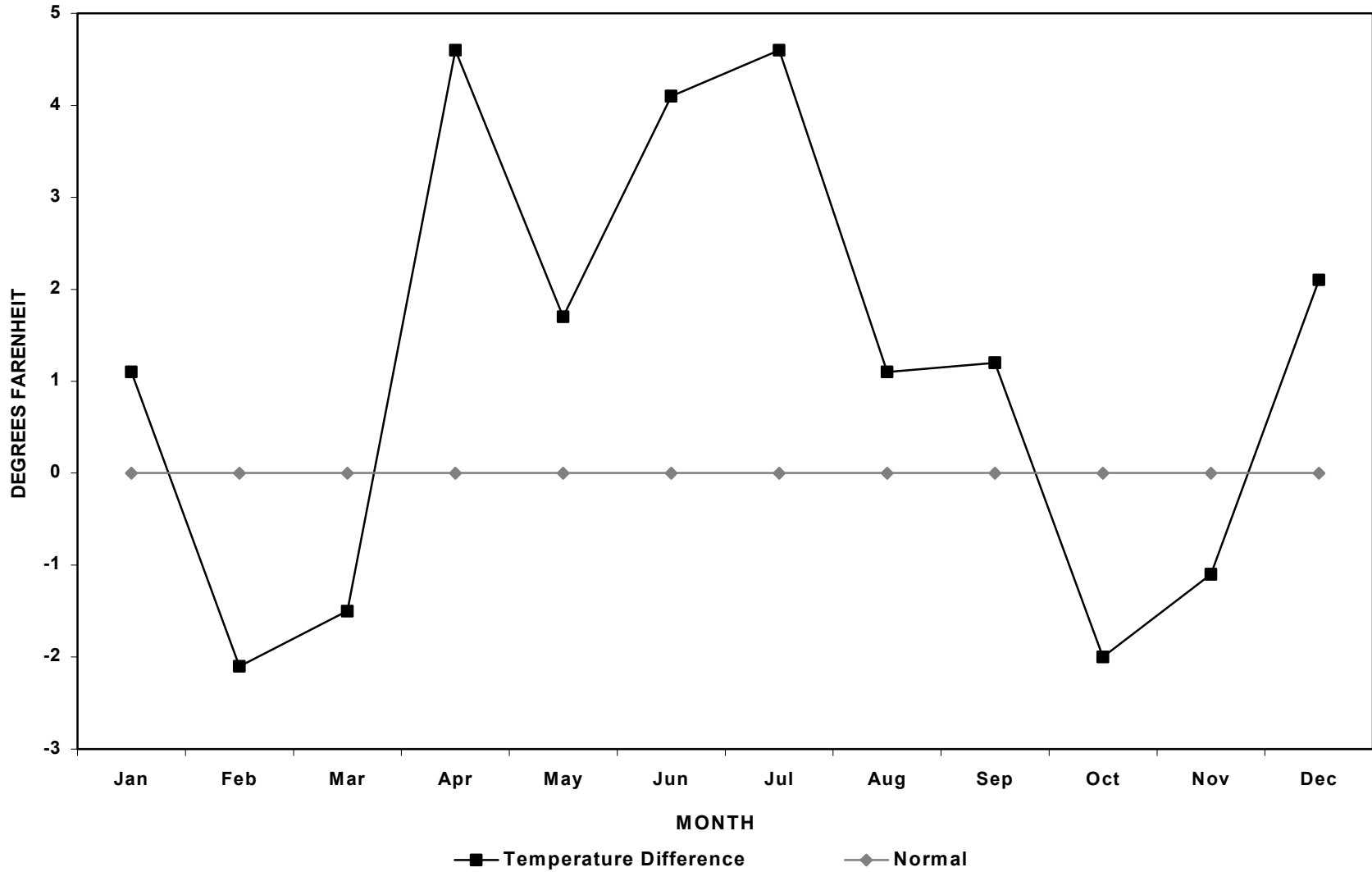
Temperature departure from normal (degrees), 2001.



Comparison of 2002 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
2002	27.7	27.9	37.2	51.4	57.0	69.0	78.1	71.5	63.0	47.6	35.5	30.7	49.7
Departure (degrees)	1.7	-4.6	-2.4	4.1	0.5	3.0	3.8	-0.6	1.0	-2.5	-2.1	3.3	0.4
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
2002	40.0	45.5	49.9	64.0	67.8	80.0	86.5	81.8	74.0	60.3	48.9	40.9	61.6
Departure (degrees)	1.2	1.4	0.7	7.4	2.1	4.4	4.8	2.4	2.1	-0.6	0.9	1.4	2.4
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
2002	26.4	26.7	36.4	50.8	58.3	69.7	78.9	72.8	63.6	48.5	36.3	33.0	50.1
Departure (degrees)	0.6	-4.6	-2.9	3.1	1.4	3.5	4.5	0.5	1.2	-2.4	-2.0	5.2	0.7
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
2002	27.3	30.0	35.8	49.9	55.6	68.1	75.0	69.8	60.9	46.8	36.2	28.9	48.7
Departure (degrees)	0.8	-1.6	-1.8	4.8	1.6	4.7	4.6	1.6	1.0	-2.5	-1.1	0.8	1.1
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
2002	20.7	20.7	29.3	43.6	51.1	61.7	71.0	65.2	56.9	42.6	31.5	26.9	43.4
Departure (degrees)	-0.2	-4.0	-2.4	3.0	1.5	3.5	5.4	1.6	2.0	-2.1	-1.0	4.1	1.0
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
2002	17.8	23.7	35.2	50.5	57.9	69.2	76.6	70.3	60.8	45.6	32.2	17.9	46.5
Departure (degrees)	1.1	-0.3	-1.1	3.7	1.7	3.9	4.4	0.5	0.6	-2.7	-1.8	-2.6	0.6
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
2002	29.1	32.9	41.1	56.7	63.3	76.0	81.6	75.7	66.0	51.9	39.7	32.3	53.9
Departure (degrees)	2.2	-1.3	-0.8	6.2	3.3	5.9	4.9	1.5	0.8	-1.5	-0.5	2.8	2.0
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
2002	27.0	29.6	37.8	52.4	58.7	70.5	78.2	72.4	63.6	49.0	37.2	30.1	50.6
Departure (degrees)	1.1	-2.1	-1.5	4.6	1.7	4.1	4.6	1.1	1.2	-2.0	-1.1	2.1	1.2

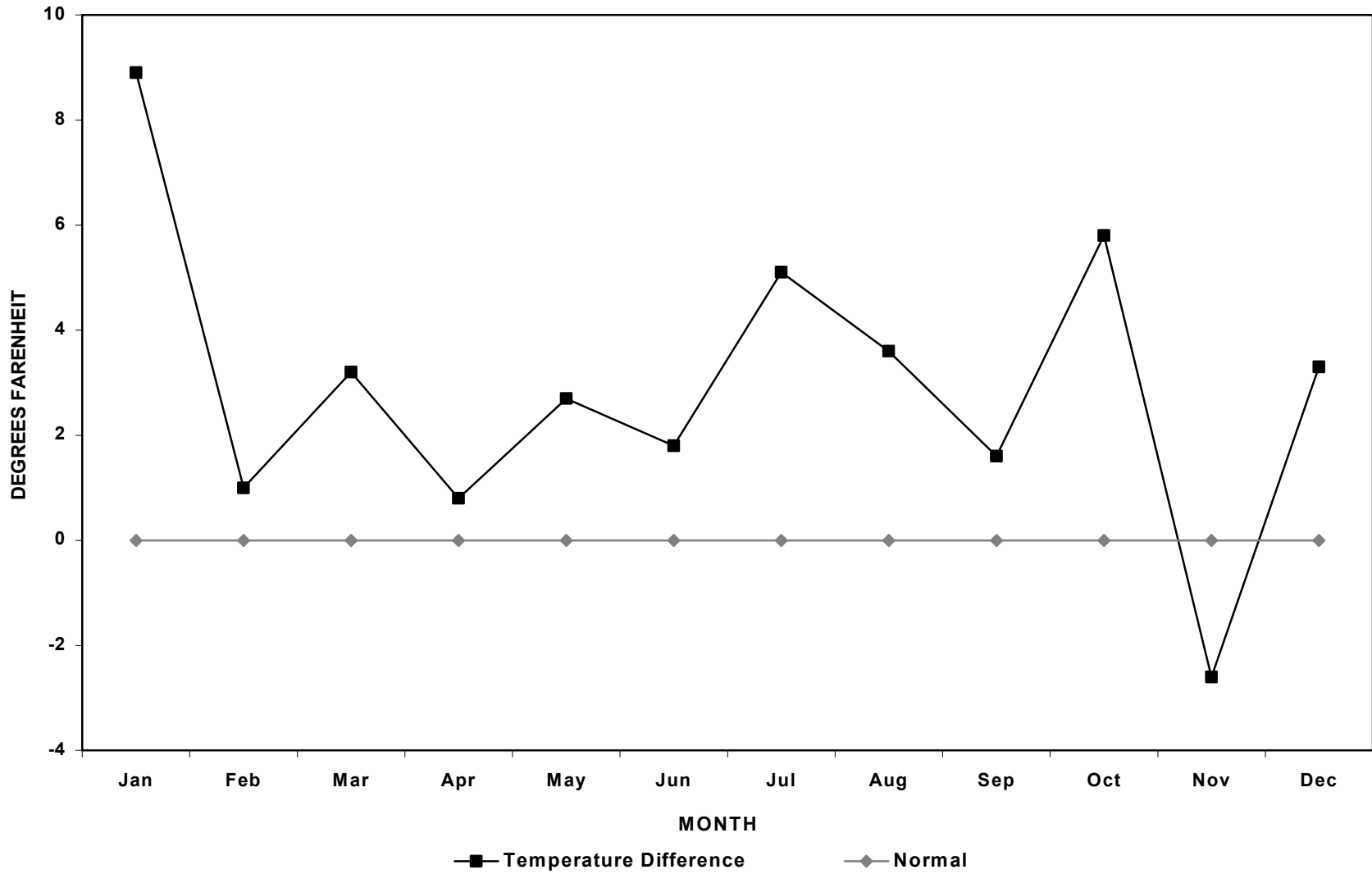
Temperature departure from normal (degrees), 2002.



Comparison of 2003 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
2003	35.9	32.7	42.7	47.9	58.7	67.8	78.8	75.1	63.0	54.9	34.7	30.6	51.9
Departure (degrees)	9.9	0.2	3.1	0.6	2.2	1.8	4.5	3.0	1.0	4.8	-2.9	3.2	2.6
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
2003	48.0	44.2	51.3	55.8	69.6	79.2	86.7	83.3	76.0	68.6	46.3	41.5	62.5
Departure (degrees)	9.2	0.1	2.1	-0.8	3.9	3.6	5.0	3.9	4.1	7.7	-1.7	2.0	3.3
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
2003	37.2	32.9	42.9	49.0	59.0	68.3	80.3	77.0	63.7	56.8	35.4	33.2	53.0
Departure (degrees)	11.4	1.6	3.6	1.3	2.1	2.1	5.9	4.7	1.3	5.9	-2.9	5.4	3.5
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
2003	35.5	31.1	39.8	45.3	56.6	65.5	74.8	70.7	61.6	55.2	34.6	30.6	50.1
Departure (degrees)	9.0	-0.5	2.2	0.2	2.6	2.1	4.4	2.5	1.7	5.9	-2.7	2.5	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
2003	30.6	25.9	36.6	42.9	52.3	59.3	71.3	68.6	56.4	50.6	29.0	26.6	45.8
Departure (degrees)	9.7	1.2	4.9	2.3	2.7	1.1	5.7	5.0	1.5	5.9	-3.5	3.8	3.4
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
2003	19.6	26.6	40.6	47.9	58.1	65.1	76.5	72.9	60.4	53.3	30.3	24.4	48.0
Departure (degrees)	2.9	2.6	4.3	1.1	1.9	-0.2	4.3	3.1	0.2	5.0	-3.7	3.9	2.1
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
2003	36.8	35.8	44.1	51.2	63.2	72.3	82.5	77.3	66.6	59.0	39.2	32.1	55.0
Departure (degrees)	9.9	1.6	2.2	0.7	3.2	2.2	5.8	3.1	1.4	5.6	-1.0	2.6	3.1
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
2003	34.8	32.7	42.6	48.6	59.6	68.2	78.7	75.0	64.0	56.9	35.6	31.3	52.3
Departure (degrees)	8.9	1.0	3.2	0.8	2.7	1.8	5.1	3.6	1.6	5.8	-2.6	3.3	2.9

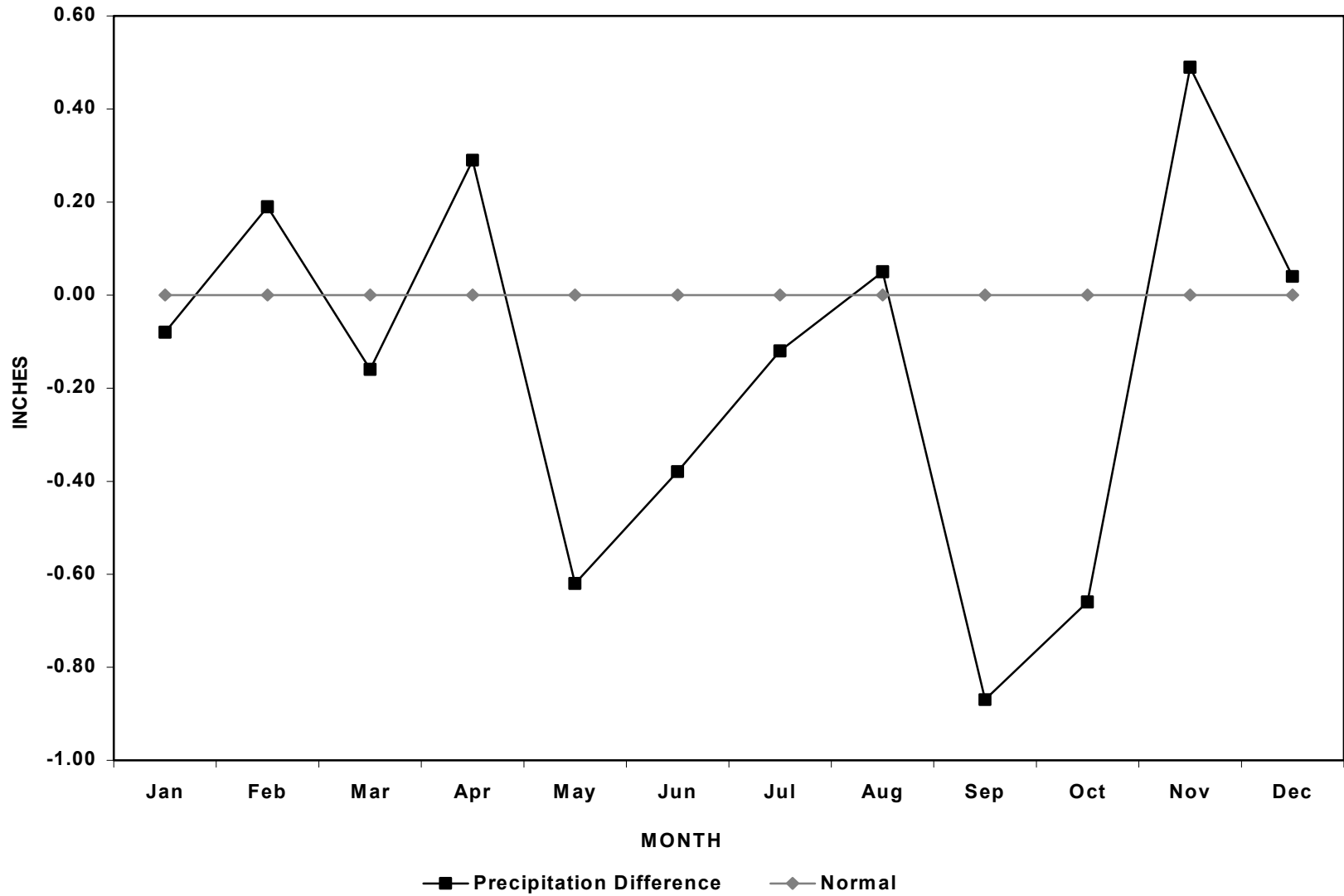
Temperature departure from normal (degrees), 2003.



Comparison of 2001 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
2001	0.57	0.52	1.07	0.75	0.15	0.27	0.51	0.56	0.15	0.17	0.78	0.83	6.33
Departure (inches)	0.04	-0.06	0.22	-0.14	-0.83	-0.44	-0.22	-0.27	-0.64	-0.64	0.10	0.25	-2.63
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
2001	1.33	1.90	1.66	1.16	0.17	0.14	0.45	1.30	0.03	0.13	0.61	1.19	10.07
Departure (inches)	0.01	0.61	-0.01	0.26	-0.46	-0.17	-0.45	0.11	-0.83	-0.65	-0.58	0.18	-1.98
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
2001	0.70	1.18	1.38	2.26	0.33	0.62	0.95	0.55	0.20	0.80	3.01	1.83	13.81
Departure (inches)	-0.64	-0.21	-0.39	0.32	-1.51	-0.59	0.10	-0.44	-1.23	-0.84	1.48	0.34	-3.61
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
2001	1.40	1.61	1.37	1.39	0.70	0.46	0.99	1.67	0.19	0.42	1.53	0.92	12.65
Departure (inches)	0.42	0.60	0.00	0.32	-0.28	-0.14	-0.08	0.29	-0.99	-0.63	0.46	-0.10	-0.13
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
2001	0.90	1.73	1.08	2.81	0.57	0.54	0.95	1.31	0.45	1.30	3.60	1.94	17.18
Departure (inches)	-0.93	-0.05	-0.85	0.86	-1.11	-0.65	-0.09	0.12	-1.07	-0.39	1.77	0.02	-2.37
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
2001	0.52	0.67	0.42	1.08	0.71	0.20	0.81	0.63	0.29	0.36	0.68	0.28	6.65
Departure (inches)	0.04	0.21	-0.21	0.35	-0.15	-0.51	0.10	-0.10	-0.59	-0.60	0.12	-0.32	-1.66
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
2001	1.16	0.84	0.94	0.69	0.69	0.29	0.75	1.70	0.24	0.24	0.88	0.61	9.03
Departure (inches)	0.48	0.25	0.13	0.03	0.02	-0.17	-0.22	0.65	-0.74	-0.89	0.08	-0.12	-0.50
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
2001	0.94	1.21	1.13	1.45	0.47	0.36	0.77	1.10	0.22	0.49	1.58	1.09	10.82
Departure (inches)	-0.08	0.19	-0.16	0.29	-0.62	-0.38	-0.12	0.05	-0.87	-0.66	0.49	0.04	-1.84

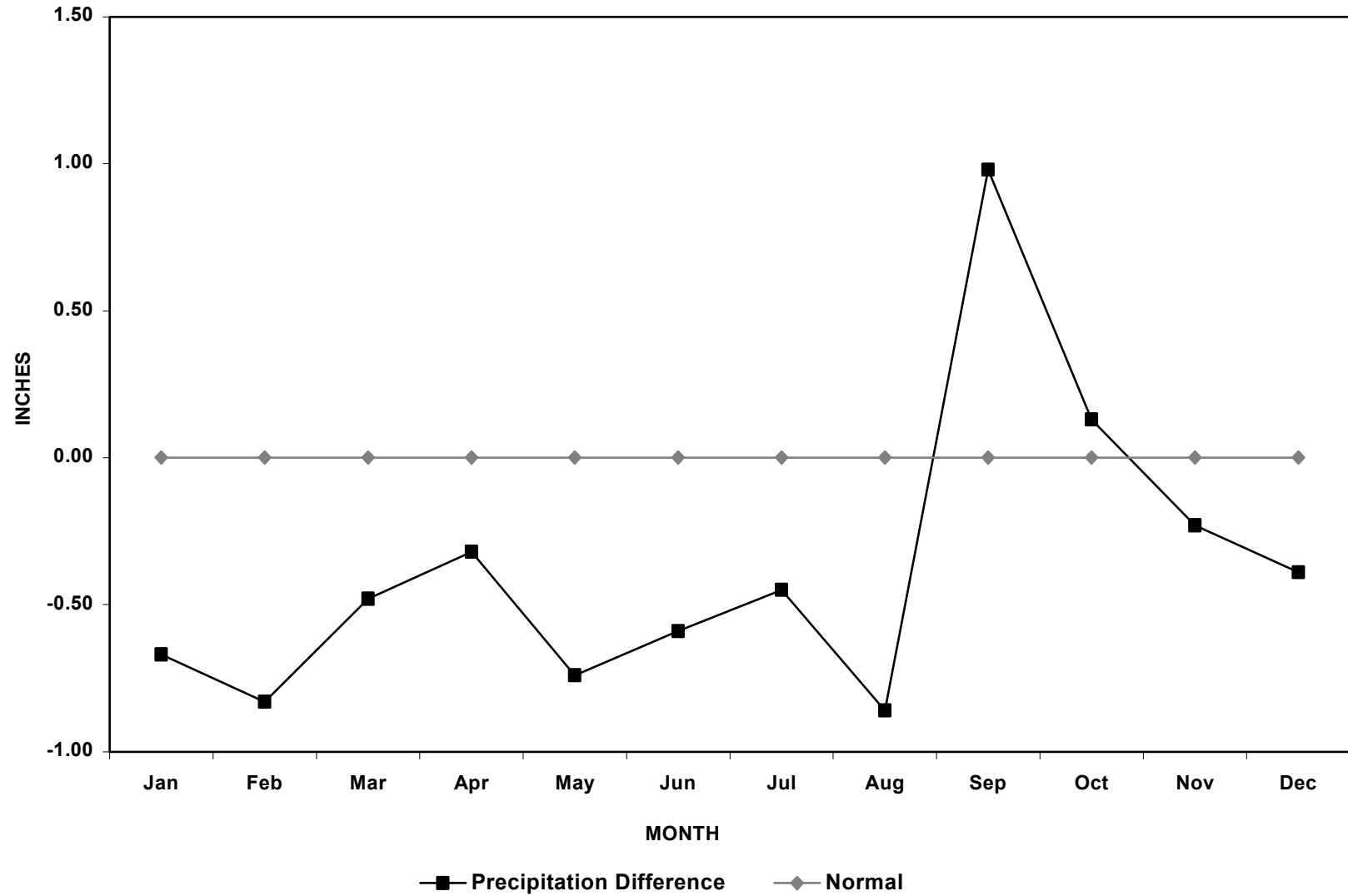
Precipitation departure from normal, (inches), 2001.



Comparison of 2002 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
2002	0.24	0.12	0.34	0.93	0.26	0.12	0.47	0.09	0.85	1.04	0.43	0.24	5.13
Departure (inches)	-0.29	-0.46	-0.51	0.04	-0.72	-0.59	-0.26	-0.74	0.06	0.23	-0.25	-0.34	-3.83
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
2002	0.04	0.09	0.32	0.11	0.00	0.00	0.15	0.00	1.43	0.90	1.05	0.76	4.85
Departure (inches)	-1.28	-1.20	-1.35	-0.79	-0.63	-0.31	-0.75	-1.19	0.57	0.12	-0.14	-0.25	-7.20
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
2002	0.85	0.27	1.66	2.27	0.84	0.31	0.30	0.08	2.43	1.29	1.05	0.80	12.15
Departure (inches)	-0.49	-1.12	-0.11	0.33	-1.00	-0.90	-0.55	-0.91	1.00	-0.35	-0.48	-0.69	-5.27
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
2002	0.28	0.29	0.82	0.62	0.19	0.10	0.64	0.16	2.47	1.69	0.99	1.11	9.36
Departure (inches)	-0.70	-0.72	-0.55	-0.45	-0.79	-0.50	-0.43	-1.22	1.29	0.64	-0.08	0.09	-3.42
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
2002	0.83	0.47	1.89	1.67	1.08	0.28	0.86	0.24	2.53	1.82	1.33	0.98	13.98
Departure (inches)	-1.00	-1.31	-0.04	-0.28	-0.60	-0.91	-0.18	-0.95	1.01	0.13	-0.50	-0.94	-5.57
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
2002	0.02	0.03	0.41	0.15	0.03	0.14	0.28	0.30	2.12	1.15	0.70	0.46	5.79
Departure (inches)	-0.46	-0.43	-0.22	-0.58	-0.83	-0.57	-0.43	-0.43	1.24	0.19	0.14	-0.14	-2.52
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
2002	0.22	0.03	0.24	0.16	0.07	0.10	0.41	0.45	2.65	1.06	0.52	0.27	6.18
Departure (inches)	-0.46	-0.56	-0.57	-0.50	-0.60	-0.36	-0.56	-0.60	1.67	-0.07	-0.28	-0.46	-3.35
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
2002	0.35	0.19	0.81	0.84	0.35	0.15	0.44	0.19	2.07	1.28	0.87	0.66	8.21
Departure (inches)	-0.67	-0.83	-0.48	-0.32	-0.74	-0.59	-0.45	-0.86	0.98	0.13	-0.23	-0.39	-4.45

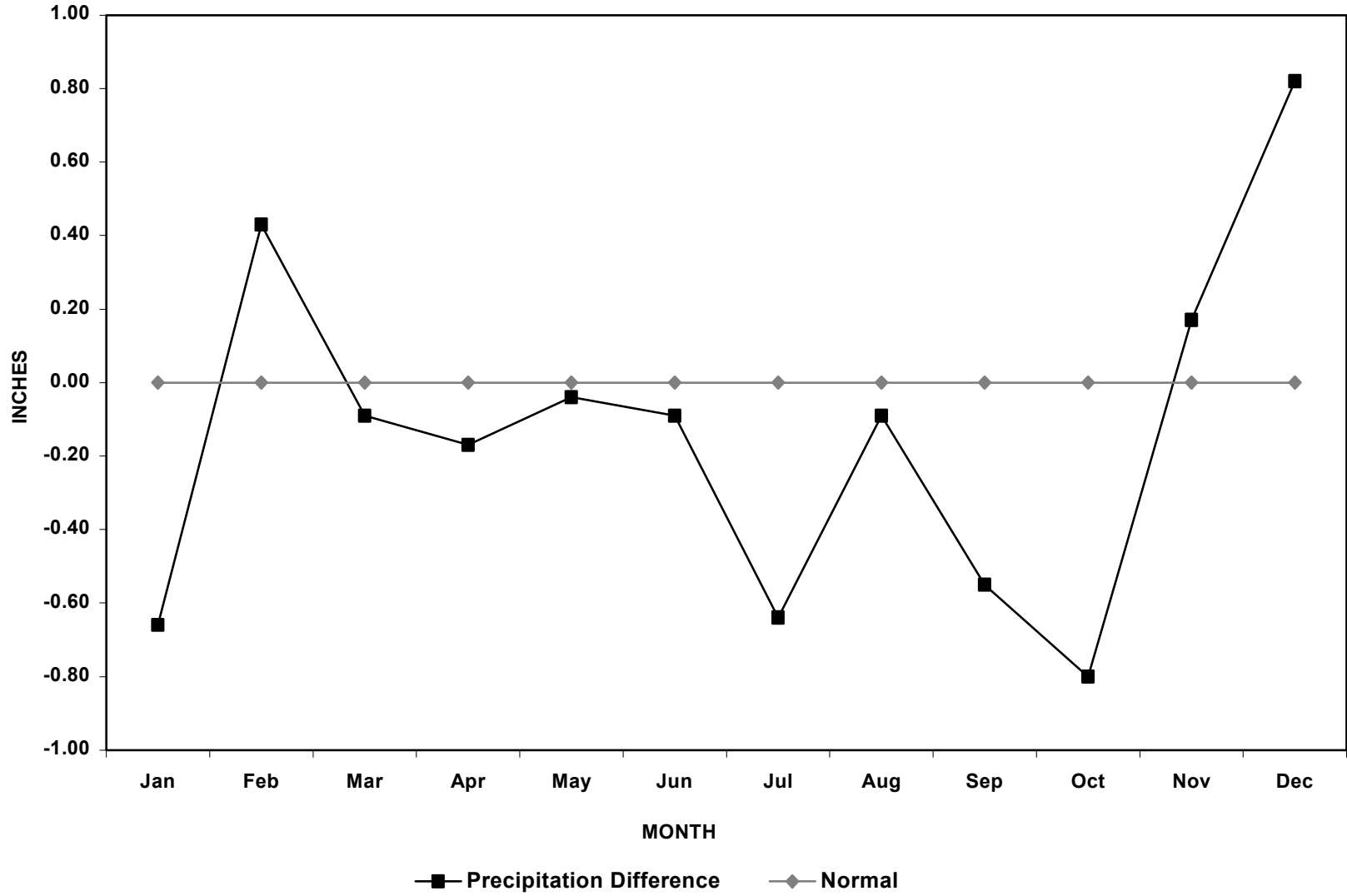
Precipitation departure from normal, (inches), 2002.



Comparison of 2003 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
2003	0.25	0.53	0.56	1.27	0.70	0.38	0.11	0.98	0.33	0.19	0.54	1.08	6.92
Departure (inches)	-0.28	-0.05	-0.29	0.38	-0.28	-0.33	-0.62	0.15	-0.46	-0.62	-0.14	0.50	-2.04
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
2003	0.18	2.67	1.44	1.33	0.31	0.00	0.23	0.73	0.47	0.09	0.87	1.71	10.03
Departure (inches)	-1.14	1.38	-0.23	0.43	-0.32	-0.31	-0.67	-0.46	-0.39	-0.69	-0.32	0.70	-2.02
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
2003	0.71	1.31	1.29	1.46	1.84	0.97	0.20	0.78	0.51	0.45	1.86	3.23	14.61
Departure (inches)	-0.63	-0.08	-0.48	-0.48	0.00	-0.24	-0.65	-0.21	-0.92	-1.19	0.33	1.74	-2.81
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
2003	0.31	1.84	1.45	0.95	0.90	0.24	0.67	1.43	0.48	0.39	1.19	1.88	11.73
Departure (inches)	-0.67	0.83	0.08	-0.12	-0.08	-0.36	-0.40	0.05	-0.70	-0.66	0.12	0.86	-1.05
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
2003	0.67	1.49	1.82	1.40	2.03	1.65	0.25	1.28	0.80	0.53	2.66	3.43	18.01
Departure (inches)	-1.16	-0.29	-0.11	-0.55	0.35	0.46	-0.79	0.09	-0.72	-1.16	0.83	1.51	-1.54
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
2003	0.20	0.78	0.83	0.36	1.05	1.16	0.03	0.50	0.19	0.25	0.88	0.97	7.20
Departure (inches)	-0.28	0.32	0.20	-0.37	0.19	0.45	-0.68	-0.23	-0.69	-0.71	0.32	0.37	-1.11
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
2003	0.21	1.50	0.99	0.18	0.50	0.13	0.33	1.05	1.02	0.54	0.88	0.77	8.10
Departure (inches)	-0.47	0.91	0.18	-0.48	-0.17	-0.33	-0.64	0.00	0.04	-0.59	0.08	0.04	-1.43
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
2003	0.36	1.45	1.20	0.99	1.05	0.65	0.26	0.96	0.54	0.35	1.27	1.87	10.94
Departure (inches)	-0.66	0.43	-0.09	-0.17	-0.04	-0.09	-0.64	-0.09	-0.55	-0.80	0.17	0.82	-1.71

Precipitation departure from normal, (inches), 2003.



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 1970s, 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 and combination license sales information, 1954-2003.

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
2001	20,617	\$17.00	3,369	\$11.00	1,017	\$45.00	58,880	\$32.00
2002	19,415	\$17.00	3,063	\$11.00	1,133	\$45.00	55,425	\$32.00
2003	19,045	\$17.00	3,150	\$11.00	1,085	\$45.00	53,778	\$32.00

Table 2. Actual proportion of Utah population hunting small game (1971-2003)*.

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
2001	2,305,652	50,781	2.20
2002	2,358,330	43,078	1.83
2003***	2,469,230	--	--

*Source (1986-2003): Utah Population Estimate Committee (Governor's Office Planning and Budget)

**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.

***The number of Federal Duck Stamps sold in 2003 was unavailable at the time this report was published.

Table 3. Small game license sales and income, 1971-2003 (JSG=juvenile small game, RSG=adult resident small game, CMB=combination license, NRSNG=nonresident small game).

Year	License Fees				Number of Licenses Sold				No. Federal Duck	Total Gross Revenues Attributed to Small Game				
	JSG	RSG	CMB	NRSNG	JSG	RSG	CMB	NRSNG	Stamps Sold ¹	JSG ²	RSG	CMB ³	NRSNG	TOTAL ⁴
1971	2.50	4.50	10.00	20.00	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	20.00	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	20.00	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	20.00	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	20.00	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	20.00	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	20.00	15,795	36,473	74,600	1,270	40,319	23,692	218,838	176,204	25,400	418,734
1978	3.00	6.00	18.00	20.00	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	20.00	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	30.00	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	30.00	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	30.00	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	30.00	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	30.00	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	40.00	12,987	30,102	82,137	1,500	30,235	38,961	361,224	484,246	60,000	884,431
1986	6.00	12.00	35.00	40.00	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	40.00	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	40.00	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	40.00	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	40.00	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	40.00	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	40.00	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	40.00	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	40.00	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	40.00	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	40.00	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	40.00	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	40.00	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	41.00	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	41.00	3,521	23,316	59,794	1,212	27,885	12,324	303,108	435,558	49,692	800,681
2001	11.00	17.00	32.00	45.00	3,369	20,617	58,880	1,017	30,401	18,530	350,489	504,363	45,765	919,147
2002	11.00	17.00	32.00	45.00	3,063	19,415	55,425	1,133	33,294	16,847	330,055	391,940	50,985	789,827
2003*	11.00	17.00	32.00	45.00	3,150	19,045	53,778	1,085	--	17,325	323,765	--	48,825	--

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 NRSNG revenue - this is assumed to be primarily non-resident bear and cougar hunters.

*The number of Federal Duck Stamps sold in 2003 was unavailable at the time this report was published. Therefore, combination and total gross revenues are unavailable for 2003.

APPENDIX C

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

2001 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2001/2002).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Notes
Pheasant	Nov. 3 - Nov. 18, 2001	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. 10 to general public hunting. A special youth upland game hunt will be conducted on these WMAs on Nov. 10. These areas will reopen to general public hunting on Nov. 11. 	<ul style="list-style-type: none"> Males only may be harvested. Hunting begins at 8:00 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. 3 - Nov. 9, 2001	2	2 bag limits	In all of Utah County, except the Powell Slough and Goshen Warm Springs wildlife management areas, the pheasant hunt closes on Nov. 9, 2001.	
	Nov. 3 - Dec. 2, 2001	2	2 bag limits	<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. 10 to general public hunting. A special youth upland game hunt will be conducted on these WMAs on Nov. 10. These areas will reopen to general public hunting on Nov. 11. 	
Mourning Dove	Sept. 1 - Sept. 30, 2001	10	2 bag limits	Statewide, except closed areas.	
Band-tailed Pigeon	Sept. 1 - Sept. 30, 2001	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. 15 - Nov. 30, 2001	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. 	<ul style="list-style-type: none"> Antelope Island is closed to upland game hunting.
	Sept. 15 - Dec. 31, 2001	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.	
	Sept. 15, 2001 - Jan. 31, 2002	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.

2001 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2001/2002).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Notes
Sage-grouse	Sept. 15 - Sept. 23, 2001	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.
	Sept. 15 - Sept. 21, 2001	1	2 bag limits	<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 Widtsoe to Bryce Junction and SR-12; east and north on this highway to SR-24; west on this highway to SR-72 at Loa; north on this highway to I-70; west on this highway to US-89. 	
Forest Grouse (blue and ruffed)	Sept. 8 - Nov. 30, 2001	4	2 bag limits	Statewide, except closed areas.	<ul style="list-style-type: none"> Limits singly or in aggregate.
Quail (California and Gambel's)	Nov. 3 - Nov. 18, 2001	5	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. Daggett County is closed. 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.
	Nov. 3 - Dec. 31, 2001	5	2 bag limits	Duchesne, Uintah and Washington counties.	
Hungarian Partridge	Sept. 15 - Nov. 30, 2001	5	2 bag limits	<ul style="list-style-type: none"> Cache, Davis, Morgan, Rich, Summit and Weber counties. That part of Box Elder County east of I-15. That part of Juab County east of I-15. 	
	Sept. 15 - Dec. 31, 2001	5	2 bag limits	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.	
	Sept. 15, 2001 - Jan. 31, 2002	5	2 bag limits	<ul style="list-style-type: none"> Tooele County. 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.

2001 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2001/2002).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Notes
Sharp-tailed Grouse	Nov. 3 - Nov. 11, 2001	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. 1 - Oct. 15, 2001	4	2 bag limits	White-tailed Ptarmigan are only found in very rugged, high elevation areas above the timberline in Daggett, Duchesne, Summit and Uintah counties.	<ul style="list-style-type: none"> • White-tailed Ptarmigan permit required.
Cottontail Rabbit	Sept. 15, 2001 - Feb. 28, 2002	10	2 bag limits	Statewide, except closed areas.	
Snowshoe Hare	Sept. 15, 2001 - Feb. 28, 2002	5	2 bag limits	Statewide, except closed areas.	
Jackrabbit (white-tailed and black-tailed)				*Jackrabbits are not protected in Utah. They may be hunted without a license, year-round.	

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

2001 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2001).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Beaver (A)	101	Mar. 1 - Apr. 12, 2001	20	4	One male per permit	
Beaver (B)	102	Apr. 14 - May 2, 2001	20	4	One male per permit	Iron, Garfield, Piute, 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 5 - May 31, 2001	20	4	One male per permit	
Book Cliffs South	104	Apr. 7 - May 13, 2001	3	1	One male per permit	Grand and Uintah counties - 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).
Cache, West*	105	Apr. 14 - May 13, 2001	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-91; south on US-91 to US-89/91; south and west on US-89/91 to I-15 at exit 364.
Cache, East*	106	Apr. 14 - May 13, 2001	10	2	One male per permit	Cache and Box Elder counties - Boundary begins at I-15 at exit 364; east and north along US-89/91 to US-91; north along US-91 to the Utah/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	107	Apr. 7 - May 13, 2001	10	2	One male per permit	One mile either side of the Fremont River from Capitol Reef National Park to Hanksville.
Central Region West	108	Apr. 28 - May 20, 2001	5	1	One male per permit	Juab, Utah, and Tooele counties - Boundary begins at I-15 and SR-73 in Lehi; south on I-15 to the Mills Road exit 20; west on Mills Road to the Sevier River; northwest along the Sevier River to SR-132; southwest on SR-132 to the Juab County line (south county line); west on this county line to the Utah/Nevada state line; north along this state line to the Juab County line (north county line); east on this county line to the Pony Express Road; east along this road to SR-73 (5-mile Pass); north and east along SR-73 to I-15.
Colorado River (A)*	109	Apr. 7 - Apr. 12, 2001	9	2	One male per permit	
Colorado River (B)*	110	Apr. 13 - Apr. 18, 2001	9	2	One male per permit	
Colorado River (C)*	111	Apr. 19 - Apr. 29, 2001	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 (D)*	112	Apr. 30 - May 13, 2001	9	2	One male per permit	

*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.

2001 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2001).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Duchesne County (early)*	113	Apr. 7 - Apr. 20, 2001	8	2	One male per permit	All of Duchesne County, except the Strawberry River drainage above Starvation Reservoir, which is closed.
Duchesne County (late)*	114	Apr. 21 - May 13, 2001	8	2	One male per permit	
East Canyon (early)*	115	Apr. 7 - Apr. 20, 2001	10	2	One male per permit	Morgan and Summit counties - Boundary begins at the Henefer/Echo exit on I-84; south and west along this road to SR-65; south on SR-65 to the Morgan County line at Big Mountain; west and north along this county line to I-84; east on I-84 to the Henefer/Echo exit.
East Canyon (late)*	116	Apr. 21 - May 13, 2001	10	2	One male per permit	
Emery County West*	117	Apr. 7 - May 13, 2001	3	2	One male per permit	All of Emery County west of US-6 and north of I-70.
Fillmore, Oak Creek (A)	118	Mar. 31 - Apr. 12, 2001	5	1	One male per permit	Juab and Millard counties - Boundary begins at I-15 and the Black Rock Road; north on I-15 to exit 207; west from this junction along the Mills Road to the Sevier River; north along the Sevier River to SR-132; west on SR-132 to US-6; south on US-6 to US-50&6; west on US-50&6 to SR-257; south on SR-257 to the Black Rock Road; east on the Black Rock Road to I-15.
Fillmore, Oak Creek (B)	119	Apr. 14 - May 2, 2001	5	1	One male per permit	
Fillmore, Oak Creek (C)	120	May 5 - May 31, 2001	5	1	One male per permit	
Fillmore, Pahvant (A)	121	Mar. 31 - Apr. 12, 2001	15	3	One male per permit	Juab, Millard, Sanpete, and Sevier counties - Boundary begins at I-70 and I-15; north on I-15 to SR-28; south on SR-28 to US-89; south on US-89 to I-70; west on I-70 to I-15.
Fillmore, Pahvant (B)	122	Apr. 14 - May 2, 2001	15	3	One male per permit	
Fillmore, Pahvant (C)	123	May 5 - May 31, 2001	15	3	One male per permit	
Green River (A)*	124	Apr. 7 - Apr. 15, 2001	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 (B)*	125	Apr. 16 - Apr. 29, 2001	5	1	One male per permit	
Green River (C)*	126	Apr. 30 - May 13, 2001	5	1	One male per permit	
Juab (early)	127	Apr. 28 - May 13, 2001	10	2	One male per permit	Juab and Sanpete counties - Boundary begins at Sanpete County line and US-89; south on US-89 to SR-28 (Gunnison); north along SR-28 to I-15; north on I-15 to the Juab County line; southeast on this county line to the Sanpete County line; east on this county line to US-89.
Juab (late)	128	May 16 - May 31, 2001	10	2	One male per permit	

*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.

2001 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2001).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Monroe Mountain	129	Apr. 7 - May 13, 2001	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)*	130	Apr. 14 - May 13, 2001	5	1	One male per permit	Morgan and Summit counties - Boundary begins I-84 at the Croyden 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) (early)*	131	Apr. 7 - Apr. 20, 2001	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.
Morgan-South Rich (Morgan, Rich, and Weber counties) (late)*	132	Apr. 21 - May 13, 2001	15	3	One male per permit	
Ogden (North)*	133	Apr. 14 - May 13, 2001	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.
Ogden (South) (early)*	134	Apr. 7 - Apr. 20, 2001	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 HUNTS EXCLUDE THE MIDDLE FORK WILDLIFE MANAGEMENT AREA.
Ogden (South) (late)*	135	Apr. 21 - May 13, 2001	20	4	One male per permit	
Ogden, Middle Fork WMA (early)	136	Apr. 7 - Apr. 20, 2001	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.
Ogden, Middle Fork WMA (late)	137	Apr. 21 - May 13, 2001	5		One male per permit	
Oquirrh Mountains	138	Apr. 28 - May 20, 2001	10	2	One male per permit	Salt Lake, Tooele, and Utah counties - Boundary begins at I-80 and I-15 in Salt Lake County; south on I-15 to SR-73; west on SR-73 to SR-36; north on SR-36 to I-80; east on I-80 to I-15.
Paunsaugunt	139	Apr. 7 - May 13, 2001	12	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.
Panguitch Lake	140	Apr. 7 - May 13, 2001	5	1	One male per permit	Garfield, Iron, and Kane counties - Boundary begins at SR-14 and US-89; north along US-89 to SR-20; west on SR-20 to I-15; south on I-15 to SR-143; south on SR-143 to SR-148; south on SR-148 to SR-14; east on SR-14 to US-89.

*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.

2001 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2001).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Pine Valley (A)*	141	Mar. 31 - Apr. 12, 2001	25	5	One male per permit	Iron and Washington counties - Boundary begins at I-15 and the Utah-Arizona state line; north on I-15 to SR-56; west on SR-56 to the Lund Highway; northwest along the Lund Highway to the Union Pacific Railroad tracks at Lund; southwest on the Union Pacific Railroad tracks to the Utah-Nevada state line; south on this state line to the Utah-Arizona state line; east on this state line to I-15.
Pine Valley (B)*	142	Apr. 14 - May 2, 2001	25	5	One male per permit	
Pine Valley (C)*	143	May 5 - May 31, 2001	25	5	One male per permit	
Southwest Desert	144	Apr. 7 - May 13, 2001	5	1	One male per permit	Beaver, Iron, and Millard counties - Boundary begins at US-50&6 and the Utah-Nevada state line; east on US-50&6 to SR-257; south on SR-257 to SR-21; south on SR-21 to SR-130; south on SR-130 to I-15; south on I-15 to SR-56; west on SR-56 to the Lund Highway; northwest on the Lund Highway to the Union Pacific Railroad tracks; southwest on the Union Pacific Railroad tracks to the Utah-Nevada state line; north on this state line to US-50&6.
Uintah County (early)*	145	Apr. 7 - Apr. 20, 2001	12	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)*	146	Apr. 21 - May 13, 2001	12	2	One male per permit	
Utah County North (A)	147	Apr. 21 - May 2, 2001	30	6	One male per permit	That part of Utah County east of I-15 and north of US-6.
Utah County North (B)	148	May 5 - May 16, 2001	30	6	One male per permit	
Utah County North (C)	149	May 19 - May 30, 2001	30	6	One male per permit	
Utah County South (A)	150	Apr. 21 - May 2, 2001	15	3	One male per permit	That part of Utah County east of I-15 and south of US-6.
Utah County South (B)	151	May 5 - May 16, 2001	15	3	One male per permit	
Utah County South (C)	152	May 19 - May 30, 2001	15	3	One male per permit	
Wasatch County (early)	153	Apr. 28 - May 13, 2001	10	2	One male per permit	All of Wasatch County.
Wasatch County (late)	154	May 16 - May 31, 2001	10	2	One male per permit	

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2001 Merriam's Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2001).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Boulder Mountain (early)	201	Apr. 21 - May 2, 2001	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 5 - May 31, 2001	75	15	One male per permit	
La Sal (early)	203	Apr. 21 - May 2, 2001	20	4	One male per permit	Grand and San Juan counties - Boundary begins at the junction of SR-128 and US-191; then 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 5 - May 31, 2001	25	5	One male per permit	
San Juan (early)	205	Apr. 21 - May 2, 2001	40	8	One male per permit	Grand and San Juan counties - Beginning at Moab at the junction of the Colorado River and US-191; then 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)	206	May 5 - May 31, 2001	50	10	One male per permit	
Zion (early)*	207	Apr. 21 - May 2, 2001	75	15	One male per permit	Garfield, Iron and Kane counties - Boundary begins at SR-14 and US-89; west on SR-14 to SR-148; north on SR-148 to SR-143; north and west on SR-143 to I-15; south on I-15 to the Arizona-Utah state line; east on the Arizona-Utah state line to US-89A; north on US-89A to US-89; north on US-89 to SR-14.
Zion (late)*	208	May 5 - May 31, 2001	100	20	One male per permit	

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2002 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2002/2003).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Footnotes
Pheasant	Nov. 2 - Nov. 17, 2002	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. 9 to general public hunting. A special youth upland game hunt will be conducted on these WMAs on Nov. 9. These areas will reopen to general public hunting on Nov. 10. 	<ul style="list-style-type: none"> Males only may be harvested. Hunting begins at 8:00 a.m. on opening day. The Goshen Warm Springs WMA in Utah County is closed to upland game hunting. Only in certain counties are state and federal lands open to 30 days of pheasant hunting. Check the proclamation carefully!
	Nov. 2 - Nov. 8, 2002	2	2 bag limits	In all of Utah County, except the Powell Slough Wildlife Management Area, the pheasant hunt closes on Nov. 8, 2002.	
	Nov. 2 - Dec. 1, 2002	2	2 bag limits	<p>***CAUTION*** Not all counties are open for 30 day pheasant hunting. Only the following areas are open:</p> <ul style="list-style-type: none"> 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). The Powell Slough WMA in Utah County. In Emery County, the Huntington WMA, in Millard County, the Pahvant WMA, and in Tooele County, the James Walter Fitzgerald WMA, will be closed on Saturday, Nov. 9 to general public hunting. A special youth upland game hunt will be conducted on these WMAs on Nov. 9. These areas will reopen to general public hunting on Nov. 10. 	
Mourning Dove	Sept. 2 - Sept. 30, 2002	10	2 bag limits	Statewide, except closed areas.	
Band-tailed Pigeon	Sept. 2 - Sept. 30, 2002	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. 21 - Nov. 30, 2002	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. 	<ul style="list-style-type: none"> Antelope Island is closed to upland game hunting.
	Sept. 21 - Dec. 31, 2002	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.	
	Sept. 21, 2002 - Jan. 31, 2003	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.

2002 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2002/2003).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Footnotes
Sage-grouse	Sept. 21 - Sept. 29, 2002		Only two birds (per permit) of either sex may be taken during the entire season.	<ul style="list-style-type: none"> Hunt #001 West Box Elder - That part of Box Elder County west of the Locomotive Springs-Snowville-Stone, Idaho Road. 	<ul style="list-style-type: none"> Sage-grouse permit required. 267 two-bird permits available.
	Sept. 21 - Sept. 29, 2002		Only two birds (per permit) of either sex may be taken during the entire season.	<ul style="list-style-type: none"> Hunt #002 Rich County - All of Rich County. 	<ul style="list-style-type: none"> Sage-grouse permit required. 58 two-bird permits available.
	Sept. 21 - Sept. 29, 2002		Only two birds (per permit) of either sex may be taken during the entire season.	<ul style="list-style-type: none"> Hunt #003 Uintah Basin - 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 Grand County north of I-70. 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. 145 two-bird permits available.
	Sept. 21 - Sept. 29, 2002		Only two birds (per permit) of either sex may be taken during the entire season.	<ul style="list-style-type: none"> Hunt #004 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 Widtsoe to Bryce Junction and SR-12; east and north on this highway to SR-24; west on this highway to SR-72 at Loa; north on this highway to I-70; west on this highway to US-89. 	<ul style="list-style-type: none"> Sage-grouse permit required. 170 two-bird permits available.
Forest Grouse (blue and ruffed)	Sept. 14 - Nov. 30, 2002	4	2 bag limits	Statewide, except closed areas.	<ul style="list-style-type: none"> Limits singly or in aggregate.
Quail (California and Gambel's)	Nov. 2 - Nov. 17, 2002	5	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. Daggett County is closed. All of Emery County, except the Desert Lake Waterfowl Management Area, is closed. 	<ul style="list-style-type: none"> Hunting begins at 8 a.m. on opening day.
	Nov. 2 - Dec. 31, 2002	5	2 bag limits	Duchesne, Uintah, and Washington counties.	

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

2002 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2002/2003).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Notes
Hungarian Partridge	Sept. 21 - Nov. 30, 2002	5	2 bag limits	<ul style="list-style-type: none"> Cache, Davis, Morgan, Rich, Summit and Weber counties. That part of Box Elder County east of I-15. That part of Juab County east of I-15. 	
	Sept. 21 - Dec. 31, 2002	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. 	
	Sept. 21, 2002 - Jan. 31, 2003	5	2 bag limits	<ul style="list-style-type: none"> Tooele County. 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. 	
Sharp-tailed Grouse	Nov. 2 - Nov. 10, 2002	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. 143 two-bird permits available.
White-tailed Ptarmigan	Sept. 7 - Oct. 15, 2002	4	2 bag limits	White-tailed Ptarmigan are only found in very rugged, high elevation areas above the timberline in Daggett, Duchesne, Summit and Uintah counties.	<ul style="list-style-type: none"> White-tailed Ptarmigan permit required.
Cottontail Rabbit	Sept. 21, 2002 - Feb. 28, 2003	10	2 bag limits	Statewide, except closed areas.	
Snowshoe Hare	Sept. 21, 2002 - Feb. 28, 2003	5	2 bag limits	Statewide, except closed areas.	
Jackrabbit (white-tailed and black-tailed)					*Jackrabbits are not protected in Utah. They may be hunted without a license, year-round.

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

2002 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2002).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Beaver (A)	101 501	Mar. 30 - Apr. 11, 2002	20	4	One male per permit	
Beaver (B)	102 502	Apr. 13 - May 1, 2002	20	4	One male per permit	Iron, Garfield, Piute, 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)	103 503	May 4 - May 31, 2002	20	4	One male per permit	
Book Cliffs (South)	104 504	Apr. 7 - May 13, 2002	3	1	One male per permit	Grand and Uintah counties - 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).
Cache (West) (Early)*	105 505	Apr. 6 - Apr. 19, 2002	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-91; south on US-91 to US-89/91; south and west on US-89/91 to I-15 at exit 364.
Cache (West) (Late)*	106 506	Apr. 20 - May 12, 2002	10	2	One male per permit	
Cache (East) (Early)*	107 507	Apr. 6 - Apr. 19, 2002	10	2	One male per permit	Cache and Box Elder counties - Boundary begins at I-15 at exit 364; east and north along US-89/91 to US-91; north along US-91 to the Utah/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.
Cache (East) (Late)*	108 508	Apr. 20 - May 12, 2002	10	2	One male per permit	
Caineville	109 509	Apr. 6 - May 12, 2002	10	2	One male per permit	Wayne County - One mile either side of the Fremont River from Capitol Reef National Park to Hanksville.
Central Region (West)	110 510	Apr. 20 - May 31, 2002	10	2	One male per permit	Juab, Utah, and Tooele counties - Boundary begins at I-15 and SR-73 in Lehi; south on I-15 to Nephi and SR-132; southwest on SR-132 to the Juab County line (south county line); west on this county line to the Utah/Nevada state line; north along this state line to the Juab County line (north county line); east on this county line to the Pony Express Road; east along this road to SR-73 (5-mile Pass); north and east along SR-73 to I-15.
Colorado River (A)*	111 511	Apr. 6 - Apr. 19, 2002	9	2	One male per permit	
Colorado River (B)*	112 512	Apr. 20 - May 3, 2002	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)*	113 513	May 4 - May 31, 2002	9	2	One male per permit	
Duchesne County (Early)*	114 514	Apr. 20 - May 3, 2002	8	2	One male per permit	Duchesne County - All of Duchesne County, except the Strawberry River drainage above Starvation Reservoir, which is closed.
Duchesne County (Late)*	115 515	May 4 - May 17, 2002	8	2	One male per permit	

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2002 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2002).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
East Canyon (Early)*	116 516	Apr. 6 - Apr. 19, 2002	10	2	One male per permit	Morgan and Summit counties - Boundary begins at the Henefer/Echo exit on I-84; south on SR-65 to the Morgan County line at Big Mountain; west and north along this county line to I-84; east on I-84 to the Henefer/Echo exit.
East Canyon (Late)*	117 517	Apr. 20 - May 12, 2002	10	2	One male per permit	
Emery County (West)*	118 518	Apr. 6 - May 12, 2002	3	1	One male per permit	Emery County - All of Emery County west of US-6 and north of I-70.
Fillmore, Oak Creek (A)	119 519	Mar. 30 - Apr. 11, 2002	10	2	One male per permit	Millard, Sevier, Sanpete and Juab counties - Boundary begins at I-15 and the Black Rock Road; west on the Black Rock Road to SR-257; north on SR-257 to US-50/6; north on US-50/6 to US-6; northeast on US-6 to SR-132; northeast on SR-132 to I-15; south on I-15 to the Black Rock Road.
Fillmore, Oak Creek (B)	120 520	Apr. 13 - May 1, 2002	10	2	One male per permit	
Fillmore, Oak Creek (C)	121 521	May 4 - May 31, 2002	10	2	One male per permit	
Fillmore, Pahvant (A)	122 522	Mar. 30 - Apr. 11, 2002	20	4	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 (B)	123 523	Apr. 13 - May 1, 2002	20	4	One male per permit	
Fillmore, Pahvant (C)	124 524	May 4 - May 31, 2002	20	4	One male per permit	
Green River (A)*	125 525	Apr. 6 - Apr. 19, 2002	7	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 (B)*	126 526	Apr. 20 - May 3, 2002	7	1	One male per permit	
Green River (C)*	127 527	May 4 - May 31, 2002	7	1	One male per permit	
Juab (A)	128 528	Apr. 20 - May 1, 2002	10	2	One male per permit	Juab and Sanpete counties - Boundary begins at Sanpete County line and US-89; south on US-89 to SR-28 (Gunnison); north along SR-28 to I-15; north on I-15 to the Juab County line; southeast on this county line to the Sanpete County line; east on this county line to US-89.
Juab (B)	129 529	May 4 - May 15, 2002	10	2	One male per permit	
Juab (C)	130 530	May 18 - May 31, 2002	10	2	One male per permit	
Kaiparowits	131 --	Apr. 6 - May 12, 2002	2	1	One male per permit	Kane and Garfield counties - Boundary begins at the Paria River and the Utah-Arizona state line; north along the Paria River to SR-12; east on SR-12 to the Burr Trail at Boulder; southeast on the Burr Trail to Lake Powell; southwest along the shore of Lake Powell to the Utah-Arizona state line; west along this state line to the Paria River.

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2002 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2002).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Monroe Mountain (Early)	132 532	Apr. 6 - Apr. 28, 2002	4	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.
Monroe Mountain (Late)	133 533	May 4 - May 31, 2002	4	1	One male per permit	
Morgan-South Rich (Early)*	134 534	Apr. 6 - Apr. 19, 2002	10	2	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 on 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.
Morgan-South Rich (Late)*	135 535	Apr. 20 - May 12, 2002	10	2	One male per permit	
Ogden (North)*	136 536	Apr. 6 - May 12, 2002	5	1	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.
Ogden (South) (Early)*	137 537	Apr. 6 - Apr. 19, 2002	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 HUNTS EXCLUDE THE MIDDLE FORK WILDLIFE MANAGEMENT AREA.
Ogden (South) (Late)*	138 538	Apr. 20 - May 12, 2002	20	4	One male per permit	
Ogden, Middle Fork Wildlife Mgmt Area	139 --	Apr. 6 - May 12, 2002	5	0	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.
Oquirrh Mountains (Early)*	140 540	Apr. 27 - May 12, 2002	10	2	One male per permit	Salt Lake, Tooele, and Utah counties - Boundary begins at I-80 and I-15 in Salt Lake County; south on I-15 to SR-73; west on SR-73 to SR-36; north on SR-36 to I-80; east on I-80 to I-15.
Oquirrh Mountains (Late)*	141 541	May 15 - May 31, 2002	10	2	One male per permit	
Paunsaugunt	142 542	Apr. 6 - May 12, 2002	12	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.
Panguitch Lake	143 543	Apr. 6 - May 12, 2002	5	1	One male per permit	Garfield, Iron, and Kane counties - Boundary begins at SR-14 and US-89; north along US-89 to SR-20; west on SR-20 to I-15; south on I-15 to SR-143; south on SR-143 to SR-148; south on SR-148 to SR-14; east on SR-14 to US-89.

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2002 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2002).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Pine Valley (A)*	144 544	Mar. 30 - Apr. 11, 2002	30	6	One male per permit	Iron and Washington counties - Boundary begins at I-15 and the Utah-Arizona state line; north on I-15 to SR-56; west on SR-56 to the Lund Highway; northwest along the Lund Highway to the Union Pacific Railroad tracks at Lund; southwest on the Union Pacific Railroad tracks to the Utah-Nevada state line; south on this state line to the Utah-Arizona state line; east on this state line to I-15.
Pine Valley (B)*	145 545	Apr. 13 - May 1, 2002	30	6	One male per permit	
Pine Valley (C)*	146 546	May 4 - May 31, 2002	30	6	One male per permit	
Southwest Desert	147 547	Apr. 6 - May 12, 2002	5	1	One male per permit	Beaver, Iron, and Millard counties - Boundary begins at US-50/6 and the Utah-Nevada state line; east on US-50/6 to SR-257; south on SR-257 to SR-21; south on SR-21 to SR-130; south on SR-130 to I-15; south on I-15 to SR-56; west on SR-56 to the Lund Highway; northwest on the Lund Highway to the Union Pacific Railroad tracks; southwest on the Union Pacific Railroad tracks to the Utah-Nevada state line; north on this state line to US-50/6.
Stansbury Mountains	148 548	Apr. 20 - May 31, 2002	10	2	One male per permit	Tooele County - Beginning at the junction of SR-36 and US-112; south on SR-36 to SR-199; west on SR-199 to the Skull Valley Road; north on the Skull Valley Road to I-80; east on I-80 to SR-138; southeast on SR-138 to US-112 to SR-36.
Uintah County (Early)*	149 549	Apr. 13 - Apr. 26, 2002	20	4	One male per permit	Uintah County - 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)*	150 550	Apr. 27 - May 12, 2002	20	4	One male per permit	
Utah County North (A)	151 551	Apr. 20 - May 1, 2002	35	7	One male per permit	Utah County - That part of Utah County east of I-15 and north of US-6.
Utah County North (B)	152 552	May 4 - May 15, 2002	35	7	One male per permit	
Utah County North (C)	153 553	May 18 - May 31, 2002	35	7	One male per permit	
Utah County South (A)	154 554	Apr. 20 - May 1, 2002	20	4	One male per permit	Utah County - That part of Utah County east of I-15 and south of US-6.
Utah County South (B)	155 555	May 4 - May 15, 2002	20	4	One male per permit	
Utah County South (C)	156 556	May 18 - May 31, 2002	20	4	One male per permit	
Wasatch County (Early)	157 557	Apr. 27 - May 12, 2002	10	2	One male per permit	Wasatch County - All of Wasatch County.
Wasatch County (Late)	158 558	May 15 - May 31, 2002	10	2	One male per permit	

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2002 Merriam's Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2002).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Boulder Mountain (Early)	201 601	Apr. 20 - May 1, 2002	100	20	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)	202 602	May 4 - May 31, 2002	100	20	One male per permit	
La Sal (Early)	203 603	Apr. 20 - May 1, 2002	25	5	One male per permit	Grand and San Juan counties - Boundary begins at the junction of SR-128 and US-191; then 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)	204 604	May 4 - May 31, 2002	30	6	One male per permit	
San Juan (Early)	205 605	Apr. 20 - May 1, 2002	50	10	One male per permit	Grand and San Juan counties - Beginning at Moab at the junction of the Colorado River and US-191; then 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)	206 606	May 4 - May 31, 2002	75	15	One male per permit	
Zion (Early)*	207 607	Apr. 20 - May 1, 2002	75	15	One male per permit	Garfield, Iron and Kane counties - Boundary begins at SR-14 and US-89; west on SR-14 to SR-148; north on SR-148 to SR-143; north and west on SR-143 to I-15; south on I-15 to the Arizona-Utah state line; east on the Arizona-Utah state line to US-89A; north on US-89A to US-89; north on US-89 to SR-14.
Zion (Late)*	208 608	May 4 - May 31, 2002	100	20	One male per permit	

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2003 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2003/2004).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Footnotes
Pheasant	Nov. 1 - Nov. 16, 2003	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. 8 to general public hunting. A special youth upland game hunt will be conducted on these WMAs on Nov. 8. These areas will reopen to general public hunting on Nov. 9. 	<ul style="list-style-type: none"> Males only may be harvested. Hunting begins at 8:00 a.m. on opening day. The Goshen Warm Springs WMA in Utah County is closed to upland game hunting. Only in certain counties are state and federal lands open to 30 days of pheasant hunting. Check the proclamation carefully!
	Nov. 1 - Nov. 7, 2003	2	2 bag limits	In all of Utah County, except the Powell Slough Wildlife Management Area, the pheasant hunt closes on Nov. 7, 2003.	
	Nov. 1 - Nov. 30, 2003	2	2 bag limits	<p>***CAUTION*** Not all counties are open for 30 day pheasant hunting. Only the following areas are open:</p> <ul style="list-style-type: none"> 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). The Powell Slough WMA in Utah County. In Emery County, the Huntington WMA, in Millard County, the Pahvant WMA, and in Tooele County, the James Walter Fitzgerald WMA, will be closed on Saturday, Nov. 8 to general public hunting. A special youth upland game hunt will be conducted on these WMAs on Nov. 8. These areas will reopen to general public hunting on Nov. 9. 	
Mourning Dove	Sept. 1 - Sept. 30, 2003	10	2 bag limits	Statewide, except closed areas.	
Band-tailed Pigeon	Sept. 1 - Sept. 30, 2003	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. 20 - Nov. 30, 2003	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. 	<ul style="list-style-type: none"> Antelope Island is closed to upland game hunting.
	Sept. 20 - Dec. 31, 2003	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; 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. 	
	Sept. 20, 2003 - Jan. 31, 2004	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.

2003 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2003/2004).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Footnotes
Sage-grouse	Sept. 20 - Sept. 28, 2003		Only two birds of either sex may be taken during the entire season.	<ul style="list-style-type: none"> Hunt #001 West Box Elder - That part of Box Elder County west of the Locomotive Springs-Snowville-Stone, Idaho Road. 	<ul style="list-style-type: none"> Sage-grouse permit required. 431 two-bird permits available.
	Sept. 20 - Sept. 28, 2003		Only two birds of either sex may be taken during the entire season.	<ul style="list-style-type: none"> Hunt #002 Rich County - All of Rich County. 	<ul style="list-style-type: none"> Sage-grouse permit required. 112 two-bird permits available.
	Sept. 20 - Sept. 28, 2003		Only two birds of either sex may be taken during the entire season.	<ul style="list-style-type: none"> Hunt #003 Uintah Basin - 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 Grand County north of I-70. 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. 200 two-bird permits available.
	Sept. 20 - Sept. 28, 2003		Only two birds of either sex may be taken during the entire season.	<ul style="list-style-type: none"> Hunt #004 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 Widtsoe to Bryce Junction and SR-12; east and north on this highway to SR-24; west on this highway to SR-72 at Loa; north on this highway to I-70; west on this highway to US-89. 	<ul style="list-style-type: none"> Sage-grouse permit required. 211 two-bird permits available.
Forest Grouse (blue and ruffed)	Sept. 13 - Nov. 30, 2003	4	2 bag limits	Statewide, except closed areas.	<ul style="list-style-type: none"> Limits singly or in aggregate.
Quail (California and Gambel's)	Nov. 1 - Nov. 16, 2003	5	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. Daggett County is closed. All of Emery County, except the Desert Lake Waterfowl Management Area, is closed. 	<ul style="list-style-type: none"> Hunting begins at 8 a.m. on opening day.
	Nov. 1 - Dec. 31, 2003	5	2 bag limits	Duchesne, Uintah, and Washington counties.	

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

2003 Upland game season dates, bag and possession limits, and areas open (Utah Upland Game Proclamation 2003/2004).

Species	Season Dates	Bag Limit	Possession Limit*	Areas Open	Notes
Hungarian Partridge	Sept. 20 - Nov. 30, 2003	5	2 bag limits	<ul style="list-style-type: none"> • Cache, Davis, Morgan, Rich, Summit and Weber counties. • That part of Box Elder County east of I-15. • That part of Juab County east of I-15. 	
	Sept. 20 - Dec. 31, 2003	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. 	
	Sept. 20, 2003 - Jan. 31, 2004	5	2 bag limits	<ul style="list-style-type: none"> • Tooele County. • 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. 	
Sharp-tailed Grouse	Nov. 1 - Nov. 9, 2003	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. • 427 two-bird permits available.
White-tailed Ptarmigan	Sept. 6 - Oct. 15, 2003	4	2 bag limits	White-tailed Ptarmigan are only found in very rugged, high elevation areas above the timberline in Daggett, Duchesne, Summit and Uintah counties.	<ul style="list-style-type: none"> • White-tailed Ptarmigan permit required.
Cottontail Rabbit	Sept. 20, 2003 - Feb. 28, 2004	10	2 bag limits	Statewide, except closed areas.	
Snowshoe Hare	Sept. 20, 2003 - Feb. 28, 2004	5	2 bag limits	Statewide, except closed areas.	
Jackrabbit (white-tailed and black-tailed)					*Jackrabbits are not protected in Utah. They may be hunted without a license, year-round.

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

2003 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2003).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Beaver (A)	101 501	Mar. 29 - Apr. 13, 2003	17	3	One male per permit	
Beaver (B)	102 502	Apr. 15 - May 4, 2003	17	3	One male per permit	Iron, Garfield, Piute, 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)	103 503	May 7 - June 1, 2003	17	3	One male per permit	
Book Cliffs (South)	104 504	Apr. 5 - June 1, 2003	3	1	One male per permit	Grand and Uintah counties - 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).
Cache (West) (Early)*	105 505	Apr. 5 - Apr. 18, 2003	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-91; south on US-91 to US-89/91; south and west on US-89/91 to I-15 at exit 364.
Cache (West) (Late)*	106 506	Apr. 19 - May 11, 2003	10	2	One male per permit	
Cache (East) (Early)*	107 507	Apr. 5 - Apr. 18, 2003	10	2	One male per permit	Cache, Rich, and Weber counties - Boundary begins at the junction of SR-101 and US-89/91; north along US-89/91 to US-91; north along US-91 to the Utah-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.
Cache (East) (Late)*	108 508	Apr. 19 - May 11, 2003	10	2	One male per permit	
Caineville	109 509	Apr. 5 - May 11, 2003	10	2	One male per permit	Wayne County - One mile either side of the Fremont River from Capitol Reef National Park to Hanksville.
Carbon County (West)	110 NA	Apr. 19 - May 21, 2003	2	0	One male per permit	Carbon County - All of Carbon County west of SR-6 and SR-10.
Central Region (West)	111 511	Apr. 19 - June 1, 2003	10	2	One male per permit	Juab, Tooele, and Utah counties - Boundary begins at I-15 and SR-73 in Lehi; south on I-15 to Nephi and SR-132; southwest on SR-132 to the Juab County line (south county line); west on this county line to the Utah-Nevada state line; north along this state line to the Juab County line (north county line); east on this county line to the Pony Express Road; east along this road to SR-73 (5-mile Pass); north and east along SR-73 to I-15.
Chalk Creek (Early)	112 512	Apr. 5 - Apr. 18, 2003	10	2	One male per permit	Summit and Duchesne counties - Boundary begins at the junction of I-84 and I-80 near Echo; northeast on I-80 to the Utah-Wyoming state line; southeast along this state line to SR-150; south on SR-150 to Pass Lake and the Weber River Trail; west on this trail to Holiday Park and the Weber River Road; west on this road to SR-32; northwest on SR-32 to I-80 and Wanship; north on I-80 to I-84 near Echo.
Chalk Creek (Late)	113 513	Apr. 19 - May 11, 2003	10	2	One male per permit	
Colorado River (A)*	114 514	Apr. 5 - Apr. 18, 2003	9	2	One male per permit	
Colorado River (B)*	115 515	Apr. 19 - May 2, 2003	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)*	116 516	May 3 - June 1, 2003	9	2	One male per permit	

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2003 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2003).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Duchesne County (Early)	117 517	Apr. 19 - May 2, 2003	10	2	One male per permit	Duchesne County - All of Duchesne County, except the Strawberry River drainage above Starvation Reservoir, which is closed.
Duchesne County (Late)	118 518	May 3 - May 16, 2003	10	2	One male per permit	
East Canyon (Early)*	119 519	Apr. 5 - Apr. 18, 2003	10	2	One male per permit	Morgan and Summit counties - Boundary begins at the Henefer/Echo exit on I-84; south on SR-65 to the Morgan County line at Big Mountain; west and north along this county line to I-84; east on I-84 to the Henefer/Echo exit.
East Canyon (Late)*	120 520	Apr. 19 - May 11, 2003	10	2	One male per permit	
Emery County (West)*	121 521	Apr. 5 - May 11, 2003	4	1	One male per permit	Emery County - All of Emery County west of US-6 and north of I-70.
Fillmore, Oak Creek (A)	122 522	Mar. 29 - Apr. 13, 2003	10	2	One male per permit	Millard, Sevier, Sanpete and Juab counties - Boundary begins at I-15 and the Black Rock Road; west on the Black Rock Road to SR-257; north on SR-257 to US-50/6; north on US-50/6 to US-6; northeast on US-6 to SR-132; northeast on SR-132 to I-15; south on I-15 to the Black Rock Road.
Fillmore, Oak Creek (B)	123 523	Apr. 15 - May 4, 2003	10	2	One male per permit	
Fillmore, Oak Creek (C)	124 524	May 7 - June 1, 2003	10	2	One male per permit	
Fillmore, Pahvant (A)	125 525	Mar. 29 - Apr. 13, 2003	20	4	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 (B)	126 526	Apr. 15 - May 4, 2003	20	4	One male per permit	
Fillmore, Pahvant (C)	127 527	May 7 - June 1, 2003	20	4	One male per permit	
Green River (A)*	128 528	Apr. 5 - Apr. 18, 2003	8	2	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 (B)*	129 529	Apr. 19 - May 2, 2003	8	2	One male per permit	
Green River (C)*	130 530	May 3 - June 1, 2003	8	2	One male per permit	
Juab (A)	131 531	Apr. 20 - May 1, 2003	6	1	One male per permit	Juab and Sanpete counties - Boundary begins at Sanpete County line and US-89; south on US-89 to SR-28 (Gunnison); north along SR-28 to I-15; north on I-15 to the Juab County line; southeast on this county line to the Sanpete County line; east on this county line to US-89.
Juab (B)	132 532	May 3 - May 15, 2003	6	1	One male per permit	
Juab (C)	133 533	May 17 - June 1, 2003	6	1	One male per permit	

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2003 Rio Grande Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2003).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Kaiparowits	134 534	Apr. 4 - May 11, 2003	7	1	One male per permit	Kane and Garfield counties - Boundary begins at the Paria River and the Utah-Arizona state line; north along the Paria River to SR-12; east on SR-12 to the Burr Trail at Boulder; southeast along the Burr Trail to Lake Powell; southwest along the shore of Lake Powell to the Utah-Arizona state line; west along this state line to the Paria River.
Monroe Mountain (Early)	135 535	Apr. 5 - Apr. 27, 2003	4	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.
Monroe Mountain (Late)	136 536	May 3 - June 1, 2003	4	1	One male per permit	
Morgan-South Rich (Early)	137 537	Apr. 5 - Apr. 18, 2003	10	2	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 on 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.
Morgan-South Rich (Late)	138 538	Apr. 19 - May 11, 2003	10	2	One male per permit	
Mount Dutton	139 539	Apr. 5 - May 11, 2003	5	1	One male per permit	Garfield and Piute counties - Boundary begins at US-89 and SR-62; south on US-89 to SR-12; east on SR-12 to the Widtsoe-Antimony road; north on the Widtsoe-Antimony road to SR-22; north on SR-22 to SR-62; west on SR-62 to US-89.
Ogden (Cache County Part)*	140 540	Apr. 5 - May 11, 2003	5	1	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.
Ogden (South) (Early)*	141 541	Apr. 5 - Apr. 18, 2003	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 hunts exclude the Middle Fork Wildlife Management Area.
Ogden (South) (Late)*	142 542	Apr. 19 - May 11, 2003	20	4	One male per permit	
Ogden, Middle Fork Wildlife Mgmt Area	143 NA	Apr. 5 -May 11, 2003	5	0	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.
Oquirrh Mountains (Early)*	144 544	Apr. 26 - May 11, 2003	10	2	One male per permit	Salt Lake, Tooele, and Utah counties - Boundary begins at I-80 and I-15 in Salt Lake County; south on I-15 to SR-73; west on SR-73 to SR-36; north on SR-36 to I-80; east on I-80 to I-15.
Oquirrh Mountains (Late)*	145 545	May 17 - June 1, 2003	10	2	One male per permit	
Paunsaugunt (Early)	146 546	Apr. 5 - Apr. 15, 2003	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.
Paunsaugunt (Late)	147 547	Apr. 19 - May 11, 2003	15	3	One male per permit	
Panguitch Lake	148 548	Apr. 5 -May 11, 2003	5	1	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-143; south on SR-143 to SR-148; south on SR-148 to SR-14; east on SR-14 to US-89.

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2003 Rio Grande Wild Turkey permits numbers, season dates, and areas open (Turkey Addendum 2003).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Pine Valley (A)*	149 549	Mar. 29 - Apr. 13, 2003	30	6	One male per permit	Iron and Washington counties - Boundary begins at I-15 and the Utah-Arizona state line; north on I-15 to SR-56; west on SR-56 to the Lund Highway; northwest along the Lund Highway to the Union Pacific Railroad tracks at Lund; southwest on the Union Pacific Railroad tracks to the Utah-Nevada state line; south on this state line to the Utah-Arizona state line; east on this state line to I-15.
Pine Valley (B)*	150 550	Apr. 15 - May 4, 2003	30	6	One male per permit	
Pine Valley (C)*	151 551	May 7 - June 1, 2003	30	6	One male per permit	
Southwest Desert	152 552	Apr. 5 - May 11, 2003	5	1	One male per permit	Beaver, Iron, and Millard counties - Boundary begins at US-50/6 and the Utah-Nevada state line; east on US-50/6 to SR-257; south on SR-257 to SR-21; south on SR-21 to SR-130; south on SR-130 to I-15; south on I-15 to SR-56; west on SR-56 to the Lund Highway; northwest on the Lund Highway to the Union Pacific Railroad tracks; southwest on the Union Pacific Railroad tracks to the Utah-Nevada state line; north on this state line to US-50/6.
Stansbury Mountains	153 553	Apr. 19 - June 1, 2003	10	2	One male per permit	Tooele County - Beginning at the junction of SR-36 and US-112; south on SR-36 to SR-199; west on SR-199 to the Skull Valley Road; north on the Skull Valley Road to I-80; east on I-80 to SR-138; southeast on SR-138 to US-112 to SR-36.
Uintah County (Early)*	154 554	Apr. 12 - Apr. 27, 2003	20	4	One male per permit	Uintah County - 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)*	155 555	Apr. 28 - May 11, 2003	20	4	One male per permit	
Utah County North (A)	156 556	Apr. 20 - May 1, 2003	20	4	One male per permit	Utah County - That part of Utah County east of I-15 and north of US-6.
Utah County North (B)	157 557	May 3 - May 15, 2003	20	4	One male per permit	
Utah County North (C)	158 558	May 17 - June 1, 2003	20	4	One male per permit	
Utah County South (A)	159 559	Apr. 20 - May 1, 2003	10	2	One male per permit	Utah County - That part of Utah County east of I-15 and south of US-6.
Utah County South (B)	160 560	May 3 - May 15, 2003	10	2	One male per permit	
Utah County South (C)	161 561	May 17 - June 1, 2003	10	2	One male per permit	
Wasatch County (Early)	162 562	Apr. 26 - May 11, 2003	6	1	One male per permit	Wasatch County - All of Wasatch County.
Wasatch County (Late)	163 563	May 17 - June 1, 2003	6	1	One male per permit	

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2003 Merriam's Wild Turkey permit numbers, season dates, and areas open (Turkey Addendum 2003).

Unit Name	Hunt #	Season Dates	Public Permits	Landowner Permits	Season Limit	Areas Open
Boulder Mountain (Early)	201 601	Apr. 19 - Apr. 30, 2003	100	20	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)	202 602	May 3 - June 1, 2003	100	20	One male per permit	
La Sal (Early)	203 603	Apr. 19 - Apr. 30, 2003	20	4	One male per permit	Grand and San Juan counties - Boundary begins at the junction of SR-128 and US-191; then 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)	204 604	May 3 - June 1, 2003	30	6	One male per permit	
San Juan (Early)	205 605	Apr. 19 - Apr. 30, 2003	50	10	One male per permit	Grand and San Juan counties - Beginning at Moab at the junction of the Colorado River and US-191; then 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)	206 606	May 3 - June 1, 2003	75	15	One male per permit	
Zion (Early)*	207 607	Apr. 19 - Apr. 30, 2003	75	15	One male per permit	Garfield, Iron and Kane counties - Boundary begins at SR-14 and US-89; west on SR-14 to SR-148; north on SR-148 to SR-143; north and west on SR-143 to I-15; south on I-15 to the Arizona-Utah state line; east on the Arizona-Utah state line to US-89A; north on US-89A to US-89; north on US-89 to SR-14.
Zion (Late)*	208 608	May 3 - June 1, 2003	100	20	One male per permit	

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APPENDIX D

HUNTER-HARVEST SURVEY RESPONSE SUMMARY

Summary of upland game harvest mail questionnaire returns, 1962-2003.

Year	Questionnaires Mailed	Total Surveys	Percent Returned	Useable Returns	Percent Useable	Percent of Permittees 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
2001*	--	2,500	--	--	--	43.64
2002	--	2,501	--	--	--	40.90
2003	--	2,500	--	--	--	35.32

*A hunter-harvest telephone survey replaced the general mail questionnaire, beginning in 2001.

