

IDAHO DEPARTMENT OF FISH AND GAME

Cal Groen, Director

Project W-170-R-31

Progress Report



STATEWIDE BIRD TRAPPING AND TRANSPLANTING

Study II, Job 4

July 1, 2006 to June 30, 2007

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TABLE OF CONTENTS

STATEWIDE..... 1
 SUMMARY 1
PANHANDLE REGION 3
 ABSTRACT 3
 Ducks 3
 Geese..... 3
 Pheasant 3
 Quail..... 3
 Forest Grouse 3
 Gray Partridge..... 4
 Wild Turkey 4
 Mourning Dove..... 4
CLEARWATER REGION 5
 ABSTRACT 5
 Ducks 5
 Geese..... 5
 Pheasant 5
 California Quail 5
 Mountain Quail 5
 Forest Grouse 6
 Sharp-tailed Grouse 6
 Chukar..... 6
 Gray Partridge..... 6
 Wild Turkey 6
 Mourning Dove..... 6
SOUTHWEST REGION 7
 ABSTRACT 7
 Ducks 7
 Geese..... 7
 Pheasant 7
 Quail..... 7

TABLE OF CONTENTS (Continued)

Forest Grouse	7
Sage-grouse.....	7
Sharp-tailed Grouse	8
Chukar.....	8
Gray Partridge.....	8
Wild Turkey	8
Mourning Dove.....	8
MAGIC VALLEY REGION	9
ABSTRACT.....	9
Ducks	9
Geese.....	9
Pheasant	9
Quail.....	9
Forest Grouse	9
Sage-grouse.....	10
Sharp-tailed Grouse	10
Chukar.....	10
Gray Partridge.....	10
Wild Turkey	10
Mourning Dove.....	10
SOUTHEAST REGION	11
ABSTRACT.....	11
Ducks	11
Geese.....	11
Pheasant	11
Forest Grouse	11
Sage-grouse.....	11
Sharp-tailed Grouse	11
Chukar.....	11
Gray Partridge.....	12
Wild Turkey	12

TABLE OF CONTENTS (Continued)

Mourning Dove.....12

UPPER SNAKE REGION.....13

 ABSTRACT.....13

 Ducks13

 Geese.....13

 Pheasant13

 Forest Grouse13

 Sage-grouse.....13

 Sharp-tailed Grouse14

 Chukar.....14

 Gray Partridge.....14

 Wild Turkey14

 Mourning Dove.....14

SALMON REGION.....15

 ABSTRACT.....15

 Ducks15

 Geese.....15

 Pheasant15

 Quail.....15

 Forest Grouse15

 Sage-grouse.....15

 Chukar.....16

 Gray Partridge.....16

 Wild Turkey16

 Mourning Dove.....16

LIST OF TABLES

Table 1. Ducks banded in Idaho by IDFG and USFWS personnel, 2006.17

Table 2. Turkey transplant history for Idaho, 1961-present.18

Table 3. Mourning doves banded in Idaho, 2003-present.20

TABLE OF CONTENTS (Continued)

Table 4. Ducks trapped and banded, Panhandle Region, 1993-present.....21

Table 5. Turkey transplant history, Panhandle Region, 1983-present.....22

Table 6. Turkey transplant history, Clearwater Region, 1961-present.....23

Table 7. Turkey transplant history, Southwest Region, 1966-present.....26

Table 8. Turkey transplant history, Magic Valley Region, 1982-2001.....28

Table 9. Turkey transplant history, Southeast Region, 1982-2003.....28

Table 10. Turkey transplant history, Upper Snake Region, 1984-2002.....29

Table 11. Turkey transplant history, Salmon Region, 1983-1999.....29

**PROGRESS REPORT
SURVEYS AND INVENTORIES**

STATE:	<u>Idaho</u>	JOB TITLE:	<u>Statewide Bird Trapping and</u>
PROJECT:	<u>W-170-R-31</u>		<u>Transplanting</u>
SUBPROJECT:	<u>1-7</u>	STUDY NAME:	<u>Upland Game and Waterfowl</u>
STUDY:	<u>II</u>		<u>Population Status and Trends</u>
JOB:	<u>4</u>		
PERIOD COVERED:	<u>July 1, 2006 to June 30, 2007</u>		

STATEWIDE

Summary

No trapping or transplanting took place in Idaho for geese, pheasant, California quail, forest grouse, chukar, or gray partridge. The American crow will continue to be a species with no active management in Idaho.

A total of 1,500 ducks were trapped and banded by Department personnel in the Panhandle Region during summer 2006 (Table 1). Southwest and Upper Snake regions trapped and banded 518 ducks and 79 ducks, respectively.

Eighty-nine mountain quail (50 radio-equipped) from Oregon were transplanted into Unit 11 in spring 2006 as part of a project in the Craig Mountain (Clearwater Region) area.

Salmon Region captured and radio-marked 15 sage-grouse hens and banded 19 males in the Pahsimeroi Valley during spring 2006.

Since 1991, the Department has been trapping Columbian sharp-tailed grouse in southeastern Idaho for translocation to suitable habitats. In 1991, 33 birds were trapped and translocated to northeastern Oregon. Releases have taken place annually since that initial attempt. During 1991-2007, 1,123 Columbian sharp-tailed grouse (680 males, 443 females) were trapped in southeast Idaho for reintroduction projects in Idaho, Oregon, Washington, and Nevada. Five hundred twenty-four grouse were released in the Shoshone Basin and House Creek areas, Twin Falls County, Idaho, and 599 birds were provided to the other states.

A total of 313 turkeys were trapped and translocated in Idaho during winter 2006-2007 (Table 2). In addition, 24 birds trapped in Idaho were provided to Utah for starting a new flock. Washington provided 34 Rio Grande turkeys to Idaho.

Since 2003, Idaho has participated in a statewide effort (all regions except Panhandle) to trap and band mourning doves. In 2003, 447 doves were banded (Table 3). All doves received a standard leg band on the right leg, and for all odd-numbered bands, a gold band was placed on the opposite leg. In 2004, a total of 857 doves were banded statewide. All doves received a

standard leg band; hatch-year doves also received a reward band on the opposite leg. In 2005, 839 doves were banded, and in 2006, 738 doves were banded, with all doves receiving a standard leg band.

**PROGRESS REPORT
SURVEYS AND INVENTORIES**

STATE:	<u>Idaho</u>	JOB TITLE:	<u>Statewide Bird Trapping and</u>
PROJECT:	<u>W-170-R-31</u>		<u>Transplanting</u>
SUBPROJECT:	<u>1</u>	STUDY NAME:	<u>Upland Game and Waterfowl</u>
STUDY:	<u>II</u>		<u>Population Status and Trends</u>
JOB:	<u>4</u>		
PERIOD COVERED:	<u>July 1, 2006 to June 30, 2007</u>		

PANHANDLE REGION

Abstract

No trapping or translocation took place in Panhandle Region for pheasant, quail, forest grouse, gray partridge, or mourning dove during the reporting period. A total of 1,500 ducks were trapped and banded by Department personnel in the Panhandle Region during summer 2006. During winter 2006-2007, a total of 350 turkeys were trapped in Unit 1. Turkeys were transplanted to the Clearwater Region (88 hens, 42 toms), the Southwest Region (106 birds), Utah (24 birds), and the Boundary Creek WMA in the Panhandle Region (18 hens, 27 toms).

Ducks

A total of 1,500 ducks were trapped and banded by Department personnel in the Panhandle Region during summer 2006 (Tables 1 and 4). Mallards comprised 72% of the sample. Banding occurred at the Coeur d'Alene River, Pend Oreille, McArthur Lake, and Boundary Creek WMAs. No transplanting projects were conducted.

Geese

No Canada geese were trapped or transplanted in Panhandle Region during this reporting period.

Pheasant

No pheasants were trapped or transplanted in Panhandle Region during this reporting period.

Quail

No quail were trapped or transplanted in Panhandle Region during this reporting period.

Forest Grouse

No forest grouse were trapped or transplanted in Panhandle Region during this reporting period.

Gray Partridge

No gray partridge were trapped or transplanted in Panhandle Region during this reporting period.

Wild Turkey

Trapping and removal of turkeys typically occurs in the winter months to alleviate damage to fields, buildings, and equipment where turkeys congregate in large numbers. Winter 2006-2007 was fairly normal with adequate snow accumulation to compel wild turkeys to congregate on private properties and create complaints about excessive numbers of turkeys from landowners. During winter 2006-2007, a total of 350 turkeys were trapped in Unit 1 (Tables 2 and 5). Turkeys were transplanted to the Clearwater Region (88 hens, 42 toms), the Southwest Region (106 birds), Utah (24 birds), and the Boundary Creek WMA in the Panhandle Region (18 hens, 27 toms). In addition, 10 turkeys were sacrificed for disease testing and 35 turkeys were given to the local food bank.

Mourning Dove

Panhandle Region has not participated in the statewide effort to trap and band mourning doves that was begun in 2003. Instead, our efforts have been focused on trapping and banding ducks.

**PROGRESS REPORT
SURVEYS AND INVENTORIES**

STATE:	<u>Idaho</u>	JOB TITLE:	<u>Statewide Bird Trapping and</u>
PROJECT:	<u>W-170-R-31</u>		<u>Transplanting</u>
SUBPROJECT:	<u>2</u>	STUDY NAME:	<u>Upland Game and Waterfowl</u>
STUDY:	<u>II</u>		<u>Population Status and Trends</u>
JOB:	<u>4</u>		
PERIOD COVERED:	<u>July 1, 2006 to June 30, 2007</u>		

CLEARWATER REGION

Abstract

No trapping or transplanting took place in Clearwater Region for ducks, geese, pheasant, California quail, forest grouse, sharp-tailed grouse, chukar, or gray partridge during the reporting period. Mountain quail were transplanted into Unit 11 in spring 2006 as part of a new quail project initiated in 2004. Twenty-two turkeys were translocated in the Clearwater Region in winter 2006-2007 to alleviate depredation issues, and an additional 130 birds trapped in the Panhandle Region were released in Clearwater Region on Craig Mountain WMA in 3 releases.

Ducks

No ducks were trapped or transplanted in Clearwater Region during this reporting period.

Geese

No Canada geese were trapped or transplanted in Clearwater Region during this reporting period.

Pheasant

No pheasants were trapped or transplanted in Clearwater Region during this reporting period.

California Quail

No California quail were trapped or transplanted in Clearwater Region during this reporting period.

Mountain Quail

Populations of mountain quail are limited to a few scattered sites ranging from Lewiston to Riggins, primarily adjacent to Salmon River. A final project report from a mountain quail research project has been completed and is available for review. Another mountain quail project in the Craig Mountain area was begun in spring 2004. Mountain quail were transplanted into

Unit 11 in spring 2006 as part of the project. Eighty-nine mountain quail (50 radio-equipped) from Oregon were transplanted onto Craig Mountain WMA. Further details are available in the annual IDFG research progress report for the study.

Forest Grouse

No forest grouse were trapped or transplanted in Clearwater Region during this reporting period.

Sharp-tailed Grouse

No sharp-tailed grouse were trapped or transplanted in Clearwater Region during this reporting period.

Chukar

No chukars were trapped or transplanted in Clearwater Region during this reporting period.

Gray Partridge

No gray partridge were trapped or transplanted in Clearwater Region during this reporting period.

Wild Turkey

Trapping efforts are focused on sites where turkeys have become a nuisance on private property by contaminating livestock feed or by damaging agricultural crops as they begin to emerge. Twenty-two turkeys were translocated in the Clearwater Region in winter 2006-2007 to alleviate depredation issues. An additional 130 birds trapped in the Panhandle Region were released in Clearwater Region on Craig Mountain WMA in 3 releases (Tables 2 and 6). Temporary personnel time was, in part, funded by a donation from the National Wild Turkey Federation. As transplant stock becomes available, those birds will be used to supplement areas with heavy hunting pressure or declining population trends.

Mourning Dove

Clearwater Region has participated in a statewide effort to trap and band mourning doves since 2003 (Table 3). A delayed start and problems with trap-site selection resulted in no doves trapped in 2003. In 2004, a total of 63 doves were banded at 3 locations. All doves received a standard leg band; hatch-year doves also received a reward band. In 2005, a total of 100 doves were banded at 2 locations. Four individuals were recaptured during the course of the 2005 season (2 adult males and 2 hatch-year birds). Sixty-one doves were captured and banded in 2006. All doves received a standard leg band in 2005 and 2006.

**PROGRESS REPORT
SURVEYS AND INVENTORIES**

STATE:	<u>Idaho</u>	JOB TITLE:	<u>Statewide Bird Trapping and</u>
PROJECT:	<u>W-170-R-31</u>		<u>Transplanting</u>
SUBPROJECT:	<u>3</u>	STUDY NAME:	<u>Upland Game and Waterfowl</u>
STUDY:	<u>II</u>		<u>Population Status and Trends</u>
JOB:	<u>4</u>		
PERIOD COVERED:	<u>July 1, 2006 to June 30, 2007</u>		

SOUTHWEST REGION

Abstract

No trapping or transplanting took place in Southwest Region for geese, pheasant, quail, forest grouse, sage-grouse, sharp-tailed grouse, chukar, or gray partridge during the reporting period. Ninety-nine Merriam's turkeys were trapped in northern Idaho and transplanted in the Southwest Region in December 2006. Seventy doves were banded at 3 locations in 2006.

Ducks

Five hundred and eighteen ducks were banded in Southwest Region during this reporting period.

Geese

No geese were trapped or transplanted in Southwest Region during this reporting period.

Pheasant

No pheasants were trapped or transplanted in Southwest Region during this reporting period.

Quail

No quail were trapped or transplanted in Southwest Region during this reporting period.

Forest Grouse

No forest grouse were trapped or transplanted in Southwest Region during this reporting period.

Sage-grouse

No sage-grouse were trapped or transplanted in Southwest Region during this reporting period.

Sharp-tailed Grouse

No sharp-tailed grouse were trapped or transplanted in Southwest Region during this reporting period.

Chukar

No chukars were trapped or transplanted in Southwest Region during this reporting period.

Gray Partridge

No gray partridge were trapped or transplanted in Southwest Region during this reporting period.

Wild Turkey

Ninety-nine Merriam's turkeys were trapped in northern Idaho and transplanted in the Southwest Region in December 2006 (Tables 2 and 7). Fifty turkeys were released at the Cottonwood Ranger Station on the Middle Fork Boise River, 19 turkeys were released at Bender Creek, and 25 turkeys were released at Willow Creek in the Danskin Mountains (Unit 39). Thirty-four Rio's were trapped in Asotin, Washington, in January 2007 and transplanted onto Little Banks Island in the Snake River (Unit 38).

Mourning Dove

Southwest Region has participated in a statewide effort to trap and band mourning doves since 2003 (Table 3). In 2003, 65 doves were banded at 2 locations. All doves received a standard leg band on the right leg, and for all odd-numbered bands, a gold band was placed on the opposite leg. In 2004, a total of 100 doves were banded at 3 locations. All doves received a standard leg band; hatch-year doves also received a reward band on the opposite leg. In 2005, 37 doves were banded at 2 locations. In 2006, 70 doves were banded at 3 locations. All doves received a standard leg band in 2005 and 2006.

**PROGRESS REPORT
SURVEYS AND INVENTORIES**

STATE:	<u>Idaho</u>	JOB TITLE:	<u>Statewide Bird Trapping and</u>
PROJECT:	<u>W-170-R-31</u>		<u>Transplanting</u>
SUBPROJECT:	<u>4</u>	STUDY NAME:	<u>Upland Game and Waterfowl</u>
STUDY:	<u>II</u>		<u>Population Status and Trends</u>
JOB:	<u>4</u>		
PERIOD COVERED:	<u>July 1, 2006 to June 30, 2007</u>		

MAGIC VALLEY REGION

Abstract

No trapping or transplanting took place in Magic Valley Region for ducks, geese, pheasant, quail, forest grouse, sage-grouse, chukar, or gray partridge, during the reporting period. During 2003-2006, 165 sharp-tails were transplanted to the House Creek area in southwest Twin Falls County. During spring 2007, 17 Rio Grande turkeys were trapped from the Austin ranch and moved to Green Creek to establish a new population. In 2006, 206 mourning doves were banded at 5 sites.

Ducks

No ducks were trapped or transplanted in Magic Valley Region during this reporting period.

Geese

No Canada geese were trapped or transplanted in Magic Valley Region during this reporting period.

Pheasant

No pheasants were trapped or transplanted in Magic Valley Region during this reporting period.

Quail

No quail were trapped or transplanted in Magic Valley Region during this reporting period.

Forest Grouse

No forest grouse were trapped or transplanted in Magic Valley Region during this reporting period.

Sage-grouse

No sage-grouse were trapped or transplanted in Magic Valley Region during this reporting period.

Sharp-tailed Grouse

During 1991-2006, 1,077 Columbian sharp-tailed grouse (649 males, 428 females) were trapped in southeast Idaho for reintroduction projects in Idaho, Oregon, Washington, and Nevada. Five hundred twenty-four grouse were released in the Shoshone Basin and House Creek areas, Twin Falls County, Idaho, and 553 birds were provided to the other states.

During 2003-2006, 165 sharp-tails were transplanted to the House Creek area in southwest Twin Falls County. In addition to having suitable habitat for Columbian sharp-tailed grouse, the House Creek area was selected for reintroduction efforts because it is relatively near Shoshone Basin (20 miles) and the Snake Mountains in Nevada (29 miles), where other reintroduction efforts have occurred. It is hoped these new populations will eventually link together. In April 2007, 2 active leks and 1 potential lek were documented in the vicinity of the releases.

Chukar

No chukars were trapped or transplanted in Magic Valley Region during this reporting period.

Gray Partridge

No gray partridge were trapped or transplanted in Magic Valley Region during this reporting period.

Wild Turkey

From 1988-2001, 152 Rio Grande turkeys were released at the Big Cottonwood WMA (Tables 2 and 8). An estimate of the population is unavailable, but the goal of developing a self-sustaining population has been achieved. During spring 2007, 17 Rio Grande turkeys were trapped from the Austin ranch and moved to Green Creek to establish a new population.

Mourning Dove

Magic Valley Region has participated in a statewide effort to trap and band mourning doves since 2003 (Table 3). In 2003, 200 doves were banded at 8 sites. All doves received a standard leg band on the right leg, and for all odd-numbered bands, a gold band was placed on the opposite leg. In 2004, a total of 185 doves were banded at 6 sites. All doves received a standard leg band; hatch-year doves also received a reward band on the opposite leg. In 2005, 199 doves were banded at 4 locations (Rockland, Jerome, Niagara Springs WMA, and Murtaugh). In 2006, 206 doves were banded at 5 sites. All doves received a standard leg band in 2005 and 2006.

**PROGRESS REPORT
SURVEYS AND INVENTORIES**

STATE:	<u>Idaho</u>	JOB TITLE:	<u>Statewide Bird Trapping and</u>
PROJECT:	<u>W-170-R-31</u>		<u>Transplanting</u>
SUBPROJECT:	<u>5</u>	STUDY NAME:	<u>Upland Game and Waterfowl</u>
STUDY:	<u>II</u>		<u>Population Status and Trends</u>
JOB:	<u>4</u>		
PERIOD COVERED:	<u>July 1, 2006 to June 30, 2007</u>		

SOUTHEAST REGION

Abstract

No trapping or transplanting took place in Southeast Region for ducks, geese, pheasant, forest grouse, sage-grouse, chukar, gray partridge, or wild turkey during the reporting period. In 2006, 106 doves were banded in the region.

Ducks

No ducks were trapped or transplanted in Southeast Region during this reporting period.

Geese

No Canada geese were trapped or transplanted in Southeast Region during this reporting period.

Pheasant

No pheasants were trapped or transplanted in Southeast Region during this reporting period.

Forest Grouse

No forest grouse were trapped or transplanted in Southeast Region during this reporting period.

Sage-grouse

No sage-grouse were trapped or transplanted in Southeast Region during this reporting period.

Sharp-tailed Grouse

See Magic Valley Region section.

Chukar

No chukars were trapped or transplanted in Southeast Region during this reporting period.

Gray Partridge

No gray partridge were trapped or transplanted in Southeast Region during this reporting period.

Wild Turkey

Wild turkeys have been transplanted into 3 general areas in Southeast Region during the last 2 decades (Tables 2 and 9). No turkeys were trapped or transplanted during this reporting period.

Mourning Dove

Southeast Region has participated in a statewide effort to trap and band mourning doves since 2003 (Table 3). In 2003, 80 doves were banded at 1 location. All doves received a standard leg band on the right leg, and for all odd-numbered bands, a gold band was placed on the opposite leg. In 2004, a total of 139 doves were banded at 2 locations. All doves received a standard leg band; hatch-year doves also received a reward band on the opposite leg. In 2005, 150 doves were banded at 2 locations. In 2006, 106 doves were banded at 1 site. All doves received a standard leg band in 2005 and 2006.

**PROGRESS REPORT
SURVEYS AND INVENTORIES**

STATE:	<u>Idaho</u>	JOB TITLE:	<u>Statewide Bird Trapping and</u>
PROJECT:	<u>W-170-R-31</u>		<u>Transplanting</u>
SUBPROJECT:	<u>6</u>	STUDY NAME:	<u>Upland Game and Waterfowl</u>
STUDY:	<u>II</u>		<u>Population Status and Trends</u>
JOB:	<u>4</u>		
PERIOD COVERED:	<u>July 1, 2006 to June 30, 2007</u>		

UPPER SNAKE REGION

Abstract

No trapping or transplanting took place in Upper Snake Region for geese, pheasant, forest grouse, sage-grouse, sharp-tailed grouse, chukar, gray partridge, or wild turkey during the reporting period. In 2006, 146 doves were banded at 2 sites.

Ducks

Seventy-nine ducks were trapped or transplanted in Upper Snake Region during this reporting period.

Geese

No Canada geese were trapped or transplanted in Upper Snake Region during this reporting period.

Pheasant

No pheasants were trapped or transplanted in Upper Snake Region during this reporting period.

Forest Grouse

No forest grouse were trapped or transplanted in Upper Snake Region during this reporting period.

Sage-grouse

No sage-grouse were trapped or transplanted in Upper Snake Region during this reporting period.

Sharp-tailed Grouse

No sharp-tailed grouse were trapped or transplanted in Upper Snake Region during this reporting period.

Chukar

No chukars were trapped or transplanted in Upper Snake Region during this reporting period.

Gray Partridge

No gray partridge were trapped or transplanted in Upper Snake Region during this reporting period.

Wild Turkey

Fifty-nine turkeys were released on the Big Lost River below Mackay in February and March 1999 (Tables 2 and 10). The first hunt on this population was offered in the spring of 2002. A total of 670 Merriam's turkeys have been released in Units 63A, 67, and 69 since the 2000-2001 winter. No turkeys were trapped or transplanted in Upper Snake Region during this reporting period.

Mourning Dove

Upper Snake Region has participated in a statewide effort to trap and band mourning doves since 2003 (Table 3). In 2003, 20 doves were banded at 2 locations. All doves received a standard leg band on the right leg, and for all odd-numbered bands, a gold band was placed on the opposite leg. In 2004, a total of 226 doves were banded at 2 locations. All doves received a standard leg band; hatch-year doves also received a reward band on the opposite leg. In 2005, 204 doves were banded at 3 sites. In 2006, 146 doves were banded at 2 sites. All doves received a standard leg band in 2005 and 2006.

**PROGRESS REPORT
SURVEYS AND INVENTORIES**

STATE:	<u>Idaho</u>	JOB TITLE:	<u>Statewide Bird Trapping and</u>
PROJECT:	<u>W-170-R-31</u>		<u>Transplanting</u>
SUBPROJECT:	<u>7</u>	STUDY NAME:	<u>Upland Game and Waterfowl</u>
STUDY:	<u>II</u>		<u>Population Status and Trends</u>
JOB:	<u>4</u>		
PERIOD COVERED:	<u>July 1, 2006 to June 30, 2007</u>		

SALMON REGION

Abstract

No trapping or transplanting took place in Salmon Region for ducks, geese, pheasant, quail, forest grouse, chukar, gray partridge, or wild turkey during the reporting period. One female and 5 male sage-grouse were radio-marked, and 11 males were banded in spring 2007 as part of a continued cost-share project in the Pahsimeroi Valley. During 2006, we placed standard bands on 149 doves.

Ducks

No ducks were trapped or transplanted in Salmon Region during this reporting period.

Geese

No Canada geese were trapped or transplanted in Salmon Region during this reporting period.

Pheasant

No pheasants were trapped or transplanted in Salmon Region during this reporting period.

Quail

No quail were trapped or transplanted in Salmon Region during this reporting period.

Forest Grouse

No forest grouse were trapped or transplanted in Salmon Region during this reporting period.

Sage-grouse

Cost-share work continued in the Pahsimeroi Valley in spring 2006. Fifteen hens were radio-marked and 19 males were banded. Nineteen radio-marked birds were monitored, 15 from 2006 and 4 from 2005. One female died shortly after capture and 2 other hens could not be located for

the remainder of the season; 11 of the remaining 16 hens initiated nests. Nine nests were successful. Nest-site vegetation measurements were taken at each nest location. One radio-marked female, captured as a yearling in April 2006, and 1 yearling male were harvested during the 2006 season.

Capture efforts during spring 2007 yielded only 1 radio-marked female (Pahsimeroi Valley) and 5 radio-marked males (Antelope Flat south of Challis). Eleven males were fitted with leg bands in the Pahsimeroi Valley. We monitored 9 previously radio-marked females, but were unable to locate any nests, primarily due to difficulty with radio signals and time available to monitor birds.

Chukar

No chukars were trapped or transplanted in Salmon Region during this reporting period.

Gray Partridge

No gray partridge were trapped or transplanted in Salmon Region during this reporting period.

Wild Turkey

Between 1991-1999, 139 wild turkeys were released in Salmon Region to augment existing groups and in novel areas (Tables 2 and 11). No turkeys were trapped or transplanted during this reporting period.

Mourning Dove

As part of a national mourning dove banding project (under auspices of USFWS), staff in Salmon Region established 3 capture locations in 2003: Salmon, Baker, and Ellis. We placed bands on 82 doves during July and August 2003 (Table 3). All doves received a standard leg band on the right leg, and for all odd-numbered bands, a gold band was placed on the opposite leg. No doves were captured at the Ellis site. During 2004, traps were deployed at Salmon and Baker sites. We placed 144 new bands and recaptured 14 (17%) doves originally banded during 2003. All doves received a standard leg band; some hatch-year doves also received a reward band on the opposite leg. We operated Salmon and Baker trap sites in 2005, placing standard bands on 149 birds and recapturing 11 (13%) and 19 (14%) birds originally banded in 2003 and 2004, respectively. During 2006, we placed standard bands on 149 doves and recaptured 25 birds from previous years (6 from 2003, 10 from 2004, and 9 from 2005). Based on recapture rates across subsequent years, minimum survival rates were surprisingly high, particularly for birds captured during 2003 at the Baker site. Minimum survival rates for doves captured in 2003 were 28% (23/82) through 2004 (40% at Baker), 17% (14/82) through 2005 (28% at Baker), and 7% through 2006. Minimum 1-year survival for doves captured in 2004 and 2005 was 17% and 6%, respectively.

Table 1. Ducks banded in Idaho by IDFG and USFWS personnel, 2006.

Species	Panhandle	Clearwater	Southwest	Magic Valley	Southeast	Upper Snake	Salmon	Total
Mallard	1,081	0	509	0	0	77	0	1,667
Wood Duck	362	0	1	0	0	0	0	363
Ring-necked	0	0	0	0	0	0	0	0
Redhead	9	0	0	0	0	0	0	9
Pintail	0	0	8	0	0	0	0	8
Widgeon	2	0	0	0	0	0	0	2
Teal	45	0	0	0	0	0	0	45
Gadwall	0	0	0	0	0	2	0	2
No. Shoveler	1	0	0	0	0	0	0	1
Total	1,500	0	518	0	0	79	0	2,097

Table 2. Turkey transplant history for Idaho, 1961-present.

Year	Sub-species ^a	Release site	Source	Birds released
1961	M	Unit 18	Colorado	17
1962	M	Unit 18	Colorado	11
1963	M	Unit 14	Colorado	11
1965	M	Unit 11	Unit 18	10
1966	M	Units 11, 39	Unit 14	14
1967	M	Unit 22		19
1970	M	Unit 32		14
1971	M	Unit 8	Unit 6	15
	M	Boundary County		60 ^b
1972	M	Unit 8	Unit 6	2
	M	Boundary County		24 ^b
1973	M	Units 8, 11	Unit 6	6
1979	M	Unit 31		5
1980	M	Unit 18	South Dakota	10
1982	M	Units 11, 14	South Dakota	31
	R	Unit 11A	KS, OK, TX	51
	R	Units 22, 38, 53, SE Region		115
	M	Units 22, 25, 32		38
1983	R	Unit 11A	Oklahoma, Texas	18
	M, R	Units 28, 39, 55		84
1984	R	Units 40, 55, SE Region		65
	R	Unit 63A	Texas	32
1985	R	Unit 13	Texas	34
	E	Unit 10A	Pennsylvania	16
	R	Units 28, 40		7
1986	M	Unit 8	Unit 22	34
	R	Unit 11	North Dakota	14
	M	Unit 39		17
	R	Unit 40		14
1987	M	Unit 39		20
1988	M	Units 8, 11A, 13	Units 11 & 22	83
	M	Units 39, 54		45
	R	Unit 63A	Unit 32A	12
1989	M	Unit 11A	Unit 10A	18
	R	Unit 38		14
1990	M	Unit 14	Unit 8	16
	E	Unit 10A	North Dakota	17
	M	Units 22, 31, 39, SE Region		156
1991	M	Units 11, 11A, 14	Units 1, 8, 9, 11	113
	E, R	Units 8A, 10A	North Dakota	80
	M	Units 28, 36B		40
1992	M	Units 11	Unit 1	28
	M	Units 11, 14	North Dakota	48
1993	M	Units 10A, 11, 14	Units 1, 3, 8	93
	M	Units 11, 13	North Dakota	49
	M	Units 21A, 31, 32A, 36B, 39, SE Reg.		260
	R	Units 32, 38		58

Table 2. Continued.

Year	Sub-species ^a	Release site	Source	Birds released
1994	M	Units 8, 11A, 14	Units 1, 8, 11A	90
	R	Units 38, 54		59
	M	Unit 32, SE Region		142
1995	M	Units 8, 11A, 14	Units 8, 11A	36
	M	Unit 33		57
	R	Unit 54		14
1996	M	Units 8, 11	British Columbia	63
	M	Units 11, 15	Units 8, 10A, 11A	54
	R	Units 38, 54		28
1997	M	Units 8A, 11, 13, 15, 18	Idaho	261
	R	Unit 32		35
	M	Units 31, 33		105
1998	M	Units 14, 18, 20, 32A, 33	Units 8, 10A, 11, 15	121
	M	Units 31, 32, 39		53
	R	Units 32, 54		92
1999	M	Units 15, 23	Unit 10A	64
	R	Units 32, 54		62
	M	Units 28, 37, 39, 50		140
	U	SE Region		15
2000	M	Units 11, 13, 14, 15, 18, 63A	Idaho	332
	U	SE Region		50
2001	M	Units 15, 63A	Idaho	436
	R	Unit 54	California	41
	U	Unit 71		136
2002	M	Units 10A, 11, 14, 15, 63A, 67, 69	Idaho	227
2003	H	Units 11, 63A, 67, 69	Idaho	196
2004	M	Units 5, 8A, 11, 54, 68A,	Idaho	227
2005	M	Units 5, 11, 13, 15, 33, 39	Idaho	227
2006	M	Units 1, 4A, 11, 39	Unit 1	220
2007	R	Units 38	Washington	34
	M	Unit 39	Unit 1	99
	R	Unit 54	Unit 54	17
	M	Utah	Unit 1	24
	M	Unit 11	Unit 1	130
	H	Unit 15	Unit 14	22
	M	Unit 1	Unit 1	45
Total				5,808

^a E = Eastern; H = Hybrid; M = Merriam's; R = Rio Grande; U = Unknown.

^b Approximate number of game farm birds released in Boundary County by private citizens.

Table 3. Mourning doves banded in Idaho, 2003-present.

Year Region	Adult			Hatch-year	Unknown	Total
	Male	Female	Unknown			
2003						
Panhandle	0	0	0	0	0	0
Clearwater	0	0	0	0	0	0
Southwest	20	12	0	33	0	65
Magic Valley	47	45	6	96	6	200
Southeast	17	11	1	50	1	80
Upper Snake	4	7	1	8	0	20
Salmon	37	22	6	17	0	82
2003 Total	125	97	14	204	7	447
2004						
Panhandle	0	0	0	0	0	0
Clearwater	27	16	2	18	0	63
Southwest	31	10	10	49	0	100
Magic Valley	65	14	2	104	0	185
Southeast	54	45	7	33	0	139
Upper Snake	73	20	11	122	0	226
Salmon	63	19	18	44	0	144
2004 Total	313	124	50	370	0	857
2005						
Panhandle	0	0	0	0	0	0
Clearwater	33	19	4	44	0	100
Southwest	11	10	3	13	0	37
Magic Valley	85	27	1	86	0	199
Southeast	30	50	44	26	0	150
Upper Snake	58	42	5	98	1	204
Salmon	53	32	12	51	1	149
2005 Total	270	180	69	318	2	839
2006						
Panhandle	0	0	0	0	0	0
Clearwater	23	10	2	26	0	61
Southwest	18	8	5	33	6	70
Magic Valley	76	17	0	109	4	206
Southeast	9	59	20	9	9	106
Upper Snake	84	8	2	52	0	146
Salmon	72	33	13	30	1	149
2006 Total	282	135	42	259	20	738
Grand Total	990	536	175	1,151	29	2,881

Table 4. Ducks trapped and banded, Panhandle Region, 1993-present.

Year	Species								Total
	Mallard	Wood duck	Ring-necked	Redhead	Pintail	Widgeon	Teal	Gadwall	
1993	496	83	0	2	0	9	4	0	595 ^a
1994	616	75	0	10	0	0	0	0	701
1995	550	174	0	12	5	0	23	2	766
1996	888	120	0	9	0	0	3	0	1,020
1997	1,177	205	0	1	6	4	5	0	1,399 ^b
1998	569	96	0	1	0	0	2	0	668
1999	688	77	0	4	3	1	1	0	774
2000	187	15	0	0	2	0	4	1	209
2001	294	47	0	0	0	0	0	1	342
2002	809	92	1	0	0	0	18	0	920
2003	2,043	89	0	4	0	0	6	0	2,142
2004	1,992	193	1	1	1	0	27	0	2,215
2005	1,823	51	0	1	0	0	4	0	1,880 ^c
2006	1,081	362	0	9	0	2	45	0	1,500 ^c
Total	13,213	1679	2	54	17	16	142	4	15,131

^a Total includes 1 common goldeneye.

^b Total includes 1 hooded merganser.

^c Total includes 1 northern shoveler.

Table 5. Turkey transplant history, Panhandle Region, 1983-present.

Year	Release site	Source	Birds released	New or supplemental release
1983	Units 1, 3	Panhandle	29	S
1984	Unit 3	Panhandle	13	S
1985	Unit 1	Panhandle	31	N
1986	Unit 1	Panhandle	13	S
	Unit 3	Panhandle	17	N
1987	Units 1, 4A	Panhandle	70	S
	Units 2, 4A	Panhandle	70	N
1988	Unit 1	Panhandle	27	S
	Units 3, 4	Panhandle	45	N
1990	Units 3, 6	Panhandle	44	S
	Units 1, 3	Panhandle	62	N
1991	Unit 5	Panhandle	35	N
	Big Canyon Creek-Unit 11	Dawson Ridge-Unit 1	35	S
1992	Unit 2	Panhandle	119	N
	Lawyers Creek-Unit 11	Kootenai River-Unit 1	28	N
1993	Unit 1	Panhandle	14	S
	Units 2, 3	Panhandle	90	N
	Units 10A, 11, 14	Units 1, 3	64	S
1994	Units 1, 2, 5	Panhandle	46	S
	Units 2, 5	Panhandle	129	N
	Units 8, 14	Unit 1	43	N
1995	Unit 5	Panhandle	19	S
	Units 2, 5, 6	Panhandle	168	N
1997	Units 1, 2, 3, 4, 5	Panhandle	177	
	Rice Creek-Unit 13	Panhandle	34	N
	Nora Creek-Unit 8A	Panhandle	43	N
1998	Units 1, 2, 3, 4, 5	Panhandle	246	
1999	Units 1, 5	Panhandle	21	
	Salmon Region	Bonnors Ferry-Unit 1	60	N
	California	Panhandle	189	
2000	Panhandle	Panhandle	111	
2002	Southern Idaho	Panhandle	456	
2003	Upper Snake Region	Boundary County	128	
2004	Nevada	Boundary County	22	
	Units 3, 5	Units 1, 3	56	
2005	Unit 5	Units 1, 3, 4	90	
2006	Unit 39	Unit 1	85	
	Unit 11	Unit 1	56	
	Units 1, 4A	Unit 1	79	
2007	Southwest Region	Unit 1	106	
	Clearwater Region	Unit 1	130	
	Panhandle Region	Unit 1	45	S
	Utah	Unit 1	24	

Table 6. Turkey transplant history, Clearwater Region, 1961-present.

Year	Sub-species ^a	Release site Drainage-Unit	Source-Unit	Birds released			New or supplemental release
				M	F	Total	
1961	M	Deer Cr-18	Colorado	4	13	17	N
1962	M	Shingle Cr-18	Colorado	3	8	11	N
1963	M	Skookumchuck Cr-14	Colorado	4	7	11	N
1965	M	Webb Cr-11	Shingle Cr-18	2	8	10	N
1966	M	Webb Cr-11	John Day Cr-14	2	0	2	S
1971	M	Potlatch R-8	St. Maries-6	4	11	15	N
1972	M	Potlatch R-8	St. Maries-6	2	0	2	S
1973	M	Potlatch R-8	St. Maries-6	2	0	2	S
	M	Webb Cr-11	St. Maries-6	4	0	4	S
1980	M	Deer Cr-18	South Dakota	3	7	10	S
1982	M	Capt John Cr-11	South Dakota	5	14	19	N
	M	Slate Cr-14	South Dakota	3	9	12	S
	R	Lawyers Cr-11A	Kansas, Texas	7	17	24	N
	R	Cottonwood Cr-11A	Texas	4	8	12	N
	R	Big Canyon Cr-11A	Oklahoma	4	11	15	N
1983	R	Big Canyon Cr-11A	Oklahoma, Texas	3	15	18	S
1985	R	Wolf Cr-13	Texas	4	30	34	N
	E	Canyon Cr-10A	Pennsylvania	6	10	16	N
1986	M	Bedrock Cr-8	Hornet Cr-22	4	14	18	N
	M	Pine Cr-8	Hornet Cr-22	4	12	16	N
	R	Deer Cr-11	North Dakota	4	10	14	N
1988	M	Cottonwood Cr-13	Cottonwood Butte-11	4	21	25	N
	M	Bear Cr-8	Hornet Cr-22, Capt John Cr-11	6	23	29	N
	M	Six-Mile Cr-11A	Hornet Cr-22, Capt John Cr-11	11	18	29	N
1989	M	Lawyers Cr-11A	Woodland-10A	3	15	18	S
1990	M	John Day Cr-14	Big Bear Cr-8	6	10	16	N
	E	Jim Ford Cr-10A	North Dakota	9	8	17	N
1991	M	John Day Cr-14	Big Bear Cr-8	3	14	17	S
	M	Little Canyon-11A	Brush Cr-9	10	24	34	N
	M	Big Canyon Cr-11	Dawson Ridge-1	10	25	35	S
	E, R	Upper Fords Cr-10A	North Dakota	5	35	40	S
	E	Dicks Cr-8A	North Dakota	4	36	40	N
	M	Slate Cr-14	Cottonwood Butte-11	6	21	27	S
1992	M	Lawyers Cr-11	Kootenai R-1	7	21	28	N
	M	Skookumchuck Cr-14	North Dakota	10	21	31	S
	M	Cottonwood Butte-11	North Dakota	7	10	17	S
1993	M	White Bird Cr-14	Grouse Cr-1	6	24	30	S
	M	Hamilton Cr-13	North Dakota	4	20	24	S
	M	Rock Cr-11	North Dakota	3	22	25	N
	M	Orofino Cr-10A	Big Bear Cr-8	6	20	26	S
	M	Rock Cr-11	Big Bear Cr-8	3	0	3	N
	M	Wapshilla Cr-11	Blue Cr-3	4	8	12	S
	M	Whiskey Cr-10A	Grouse Cr-1	6	6	12	S
	M	Whiskey Cr-10A	Blue Cr-3	2	8	10	S

Table 6. Continued.

Year	Sub-species ^a	Release site Drainage-Unit	Source-Unit	Birds released			New or supplemental release
				M	F	Total	
1994	M	Pickle Canyon-11A	Big Bear Cr-8	5	12	17	N
	M	Pickle Canyon-11A	Little Canyon-11A	5	0	5	N
	M	Allison Cr-14	Big Bear Cr-8	6	4	10	N
	M	Allison Cr-14	Big Bear Cr-8	0	11	11	N
	M	Allison Cr-14	Maas G-1	0	8	8	N
	M	Allison Cr-14	Houcks Spur-1	4	0	4	N
	M	Flannigan Cr-8	Maas G-1	1	2	3	N
	M	Flannigan Cr-8	Houcks Spur-1	4	24	28	N
	M	Flannigan Cr-8	Little Canyon-11A	4	0	4	N
1995	M	5-Mile Cr-11A	Big Bear Cr-8	6	0	6	S
	M	Flat Cr-8	Big Bear Cr-8	6	0	6	N
	M	Allison Cr-14	Crow Bench-11A	1	18	19	S
1996	M	Allison Cr-14	Cottonwood Cr-11A	5	0	5	S
	M	Deep Cr-8	Port Hill, B.C.	12	18	30	N
	M	Boulder Cr-8	Port Hill, B.C.	3	5	8	S
	M	Eagle Cr-11	Port Hill, B.C.	6	19	25	N
	M	Grave Cr-11	Orofino-10A	1	5	6	N
	M	Deer Cr-11	Big Bear Cr-8	10	28	38	N
	M	Blanco Cr-15	Jacks Cr-11A	4	6	10	N
1997	M	Squaw Cr-18	Armiger-10A	8	27	35	N
	M	Castle Cr-15	Armiger-10A	8	21	29	N
	M	Rice Cr-13	Panhandle Region	10	24	34	N
	M	Nora Cr-8A	Panhandle Region	10	33	43	N
	M	Billy Cr-11	Crow Bench-10A	10	27	37	N
	M	Cottonwood Cr-11	Big Bear Cr-8	8	27	35	N
	M	Dough Cr-11	Armiger-10A	6	19	25	N
	M	Blanco Cr-15	Mt Idaho-15	10	13	23	S
1998	M	MF Payette-33	Packard-8	6	24	30	N
	M	Papoose Cr-18	Lathrop-10A	6	29	35	N
	M	Allison Ranch-20	Mt Idaho-15	5	20	25	N
	M	Allison Cr-14	Duman-11	5	9	14	S
	M	Little Weiser-32W	Duman-11	6	11	17	S
	M	California	Duman, et al-11	6	26	32	NA
1999	M	Schwartz Cr-15	Bott Ranch-10A	3	21	24	N
	M	Rapid River-23	Busta-10A	12	28	40	N
	M	California	Bott Ranch-10A	3	24	27	NA
2000	M	Rapid River-18	Bott Ranch-10A	4	14	18	S
	M	Rice Cr-13	Groom, et al-11A	6	28	34	S
	M	Divide Cr-13	Bott, et al-10A	1	24	25	S
	M	Getta Cr-13	Gray, et al-10A	8	40	48	S
	M	Big Canyon Cr-13	Bott, et al-10A	6	14	20	S
	M	Wolf Cr-13	Duclercque-10A	6	11	17	S
	M	Hi-Range Cr-13	Gray, et al-10A	3	20	23	S
	M	Slate Cr-14	Gray-10A	2	23	25	S
	M	Red River-15	Duclercque-10A	1	22	23	S
	M	Billy Cr-11	Bott Ranch-10A	1	7	8	S

Table 6. Continued.

Year	Sub-species ^a	Release site		Birds released			New or supplemental release
		Drainage-Unit	Source-Unit	M	F	Total	
2001	M	Snake River-63A	Thompson-8	5	20	25	N
	M	Red River-15	Busta-10A	14	6	20	S
2002	M	Bob Smith Canyon	Bott-10A	2	21	23	N
		Robber's Roost-71					
	M	Bob Smith Canyon	Wilcox-10A	10	0	10	N
		Robber's Roost-71					
	M	Bob Smith Canyon	Gray-10A	5	17	22	N
		Robber's Roost-71					
	M	Binninger-10A	Gray-10A	0	1	1	S
	M	Craig Mtn-11	Gray-10A	0	3	3	S
	M	Slate & Squaw Cr-14	Crabtree-15			29	S
	M	Main Snake below confluence-63A	Grandi-8	2	4	6	N
	M	Main Snake below confluence-63A	Jackson-10A	4	11	15	N
	M	Main Snake below confluence-63A	Crabtree-15	1	24	25	N
	M	Castle Cr-15	Lucas-15	0	14	14	S
	M	Eagle Cr-11	Lucas-15	0	13	13	S
2003	H	Eagle Cr-11	Harris-8A	0	10	10	S
	H	Eagle Cr-11	Weidner-11A	3	20	23	S
2004	H	SE Idaho	Frei-11	10	21	31	S
	H	Billy Cr-11	Frei-11	12	1	13	S
	H	Nevada	Frei-11	15	7	22	N
	H	F.S. Road 1963-8A	Frei-11	0	16	16	N
	H	Eagle Cr-11	Weidner-10A	10	26	36	S
	H	Benton Meadows-11	Weidner-10A	3	32	35	S
	H	Billy Cr-11	Weidner-10A	7	8	15	S
	H	Nevada	Weidner-10A	3	10	13	N
	H	SE Idaho	Nicolls-10A	2	9	11	S
	H	Nevada	Nicolls-10A	6	12	18	N
2005	H	Castle Cr-15	Stover-13	4	14	18	S
	H	Rice Cr-13	Stover-13	5	24	29	S
	H	Earthquake Cr-15	Ross-15	4	47	51	S
	H	Hungry ridge-15	Ross-15	1	19	20	S
	H	Captain John Cr-11	Ross-15	0	8	8	S
2006	M	Eagle Cr-11	Moyie Springs-1	18	38	56	S
2007	H	Brown Cr-15	Deer Cr-14			22	S
	M	Benton Meadows-11	Boundary County-1	17	59	76	S
	M	Eagle Creek- 11	Boundary County-1	25	29	54	S

^a E = Eastern; M = Merriam's; R = Rio Grande; H = Hybrid.

Table 7. Turkey transplant history, Southwest Region, 1966-present.

Year	Sub-species ^a	Release site-Unit	Birds released	New or supplemental release
1966	M	SF Boise River-39	12	N
1967	M	Wildhorse River-22	19	N
1970	M	Payette River at Banks-32	14	N
1979	M	Pine Creek-31	5	N
1982	R	Fort Boise WMA-38	24	N
	M	SF Salmon River-25	18	N
	M	Payette River at Banks-32	15	S
	M	Hornet Creek-22	4	S
	M	Fruitvale-22	1	S
	R	Kennedy WMA-38	16	N
	R	Goodrich Creek-22	19	N
1983	M	SF Boise River-39	15	S
	M	MF Boise River-39	15	N
	M	Cottonwood Creek-39	14	N
1984	R	Boulder Creek-40	27	N
1985	R	Boulder Creek-40	2	S
1986	M	Dead Dog Creek-39	17	N
	R	C.J. Strike WMA-40	14	N
1987	M	Porter Creek-39	10	N
	M	Harris Creek-39	10	N
1988	M	Harris Creek-39	10	S
	M	Porter Creek-39	7	S
	M	Eagleson Summit-39	11	N
1989	R	Boise River at Caldwell-38	14	N
1990	M	Cottonwood Creek-31	25	N
	M	Dukes Creek-22	28	N
	M	Indian Creek-22	28	N
	M	WF Brownlee Creek-31	28	N
	M	Hornet Creek-22	13	S
	M	Stack Rock-39	20	N
1993	M	Robie Creek-39	22	S
	M	Thorn Creek-39	24	N
	M	Wilderness Ranch-39	29	S
	M	Corral Creek-39	25	N
	M	Ola-32A	22	N
	M	Squaw Creek-32A	46	N
	M	Sturgill Creek-31	37	N
	R	Payette River-32	5	S
	R	Boise River-38	26	N
	R	Boise River-38	27	N
1994	R	Boise River-38	24	N
	R	Boise River-38	29	N
	M	Ola-32	22	S
	M	Squaw Creek-32	24	S
1995	M	Alder Creek-33	27	N
	M	MF Payette River-33	30	N
1996	R	Payette River WMA-38	20	N

Table 7. Continued.

Year	Sub-species ^a	Release site-Unit	Birds released	New or supplemental release
1997	R	Payette River WMA-32	18	N
	R	Payette River WMA-32	17	N
	M	Bunch Creek-33	18	N
	M	MF Payette River-33	33	S
	M	Keithly Creek-31	27	N
	M	Dennett Creek-33	27	N
1998	M	Little Weiser River-32	17	N
	M	Mann Creek-31	19	S
	M	SF Boise River-39	17	S
	R	Payette River WMA-32	17	N
	R	Payette River WMA-32	20	S
1999	R	Letha-32	24	N
	R	Payette River-32	26	N
	M	SF Boise River-39	17	S
2000	M	Snake River at Archer-64	27	N
2002	M	Blackfoot River-69	38	N
2003	M	Nevada	33	-
2005	M	Garden Valley – 33	32	S
	M	Bender Creek (Danskin Mts)- 39	30	S
2006	M	Cottonwood Creek-39 (JAN)	60	S
	M	Willow Creek-39 (JAN)	25	S
	M	Bender Creek-39 (DEC)	19	S
	M	Cottonwood Creek-39 (DEC)	50	S
	M	Willow Creek-39 (DEC)	30	S
2007	R	Little Banks Island-38	34	S

^a M = Merriam's, R = Rio Grande.

Table 8. Turkey transplant history, Magic Valley Region, 1982-2001.

Year	Sub-species ^a	Release site-Unit	Birds released	New or supplemental release
1982	R	Niagara Springs-53	20	N
1983	R, M	Almo-55	19	N
1984	R	Almo-55	10	S
1988	R	Big Cottonwood-54	17	N
1994	R	Big Cottonwood-54	6	S
1995	R	Big Cottonwood-54	14	S
1996	R	Big Cottonwood-54	8	S
1998	R	Big Cottonwood-54	55	S
1999	R	Big Cottonwood-54	12	S
2001	R	Big Cottonwood-54	40	S
2004	R	Goose Creek-54	8	N
2007	R	Green Creek	17	N

^a M = Merriam's; R = Rio Grande.

Table 9. Turkey transplant history, Southeast Region, 1982-2003.

Year	Sub-species ^a	Release site	Birds released	New or supplemental release
1982	R	Snake River	36	N
1984	R	Snake River	28	N
1990	M	Snake River	14	S
1993	M	Bear River	20	N
1994	M	Snake River	64	S
	M	Bear River	32	S
1999	U	Deep Creek, Bear River	15	S
2000	U	Oneida Narrows	50	S
2001	U	Unit 71	136	N
2003	H	Snake River, Unit 69	42	S

^a H = Hybrid; M = Merriam's; R = Rio Grande; U = Unknown.

Table 10. Turkey transplant history, Upper Snake Region, 1984-2002.

Year	Sub-species ^a	Release site - Unit	Source	Birds released
1984	R	Archer - 63A	Texas	16
	R	Deer Parks - 63A	Texas	16
1988	R	Deer Parks - 63A	Council, Idaho	12
1999	M	Big Lost River - 50	Idaho	59
2000	M	Archer - 63A	Panhandle, Clearwater regions	46
	M	Deer Parks - 63A	Southwest Region, ID	45
2001	M	Units 63A, 67	Panhandle, Clearwater regions	416
2002	M	Units 63A, 67, 69	Panhandle, Southwest regions	163

^a M = Merriam's; R = Rio Grande.

Table 11. Turkey transplant history, Salmon Region, 1983-1999.

Year	Sub-species ^a	Release site - Unit	Birds released			New or supplemental release
			M	F	Total	
1983	R	Shoup Bridge area - 28	0	16	16	N
	M	Shoup Bridge area - 28	2	3	5	S
1985	R	Shoup Bridge area - 28	5	0	5	S
1991	M	Shoup Bridge area - 28	3	12	15	S
	M	Salmon River - 36B	4	21	25	N
1993	M	Fourth of July Creek - 21A	13	12	25	N
	M	Salmon River - 36B	6	4	10	S
1999	M	Salmon River - 37			50	N
	M	Salmon River - 28			14	N

^a M = Merriam's, R = Rio Grande.

Submitted by:

Jim Hayden
Regional Wildlife Manager

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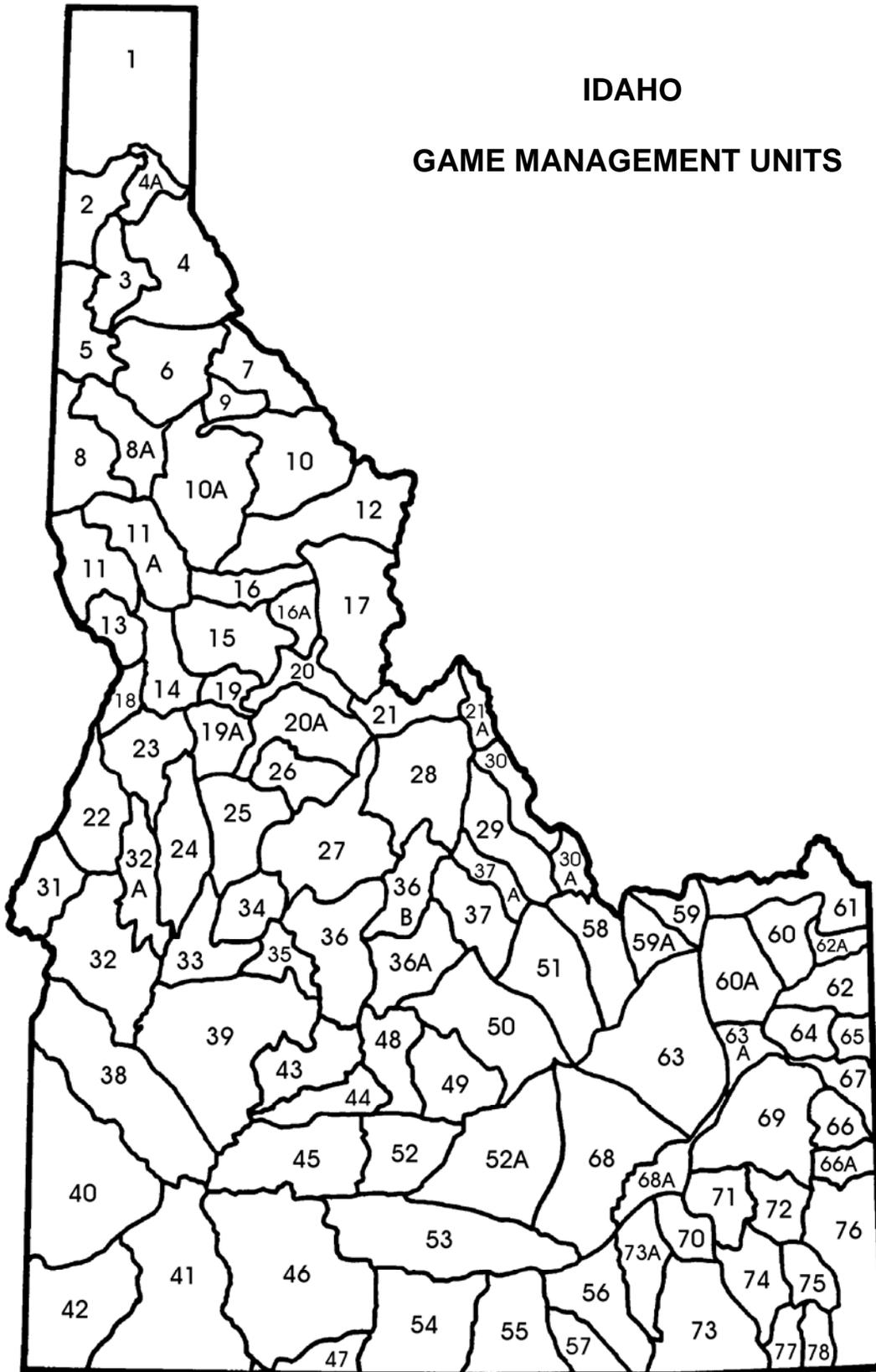
Approved by: IDAHO DEPARTMENT OF FISH AND GAME

Dale E. Towseill
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Wildlife Program Coordinator
Federal Aid Coordinator

J. W. Unsworth
James W. Unsworth, Chief
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IDAHO

GAME MANAGEMENT UNITS



FEDERAL AID IN WILDLIFE RESTORATION

The Federal Aid in Wildlife Restoration Program consists of funds from a 10% to 11% manufacturer's excise tax collected from the sale of handguns, sporting rifles, shotguns, ammunition, and archery equipment. The Federal Aid program then allots the funds back to states through a formula based on each state's geographic area and the number of paid hunting license holders in the state. The Idaho Department of Fish and Game uses the funds to help restore, conserve, manage, and enhance wild birds and mammals for the public benefit. These funds are also used to educate hunters to develop the skills, knowledge, and attitudes necessary to be responsible, ethical hunters. Seventy-five percent of the funds for this project are from Federal Aid. The other 25% comes from license-generated funds.

