

# Table of Contents

U.S. Fish & Wildlife Service

<i>station/office</i>	<i>telephone number</i>
<b>Fisheries Offices</b>	
Jones Hole NFH	435-789-4481 or 435-289-0360
Ouray National NFH	435-789-2598 or 435-789-4078
Roosevelt Fish and Wildlife Management Assistance Office	435-722-3321
Vernal Colorado River Fish Project	435-789-0354
<b>National Wildlife Refuge Offices</b>	
Bear River Migratory Bird Refuge	435-723-5887
Fish Springs NWR	435-831-5353
Ouray NWR	435-545-2522
Colorado River Wildlife Management Area	435-545-2522
<b>Partners for Fish and Wildlife Office</b>	
Brigham City	435-723-5887
<b>Ecological Services Office</b>	
Salt Lake City	801-524-5009
<b>Law Enforcement Offices</b>	
Ogden	801-625-5570
Cedar City	435-865-0861
<b>North American Waterfowl Management Plan</b>	303-236-8155x252
<b>Federal Aid-Sport Fish and Wildlife Restoration</b>	303-236-7392
<b>Migratory Bird Conservation</b>	306-236-8155x259

## UTAH

*The United States  
Fish and Wildlife  
Service's mission  
is, working with  
others, to  
conserve, protect  
and enhance fish,  
wildlife, and  
plants and their  
habitats for the  
continuing benefit  
of the American  
people.*

This book is available on the FWS Mountain-  
Prairie Region website:  
<http://mountain-prairie.fws.gov/reference>

03/ 2001

# U.S. Fish and Wildlife Service Presence in Utah

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## **Employment**

The U.S. Fish and Wildlife Service (Service) employs approximately 68 people in Utah.

The FY 2000 Resource Management budget for Service activities in Utah totals \$4,833,000.

6,471 hours were donated by 137 volunteers to help with Service projects.

## **Fisheries Facts**

Two National Fish Hatcheries and one Fish and Wildlife Management Assistance Office.

## **Visitation**

8,500 people visited Fisheries facilities in 1999.

## **Fisheries Contribution**

843,000 sportfish stocked in Utah waters in 1999; 66,103 endangered razorback suckers and 36 Colorado pikeminnow stocked in the Utah portion of the Upper Colorado River Basin; and 1,320,000 trout eggs distributed to Federal and Utah State hatcheries in 1999.

Fish propagated in Utah and stocked in Utah and Wyoming are valued at \$9.25 million in economic impacts attributed to recreational fishing.

## **National Wildlife Refuge Facts**

Four National Wildlife Refuges.

**Volunteer Hours:** 9,074

## **Visitation**

38,000 people visited Refuges in Utah in 1999.

Of these:

700 people fished on Refuges.

15,000 people hunted on Refuges.

31,000 people visited Refuges to view wildlife.

3,800 school children participated in Service educational programs.

## **Federal Aid to State Fish and Wildlife Restoration**

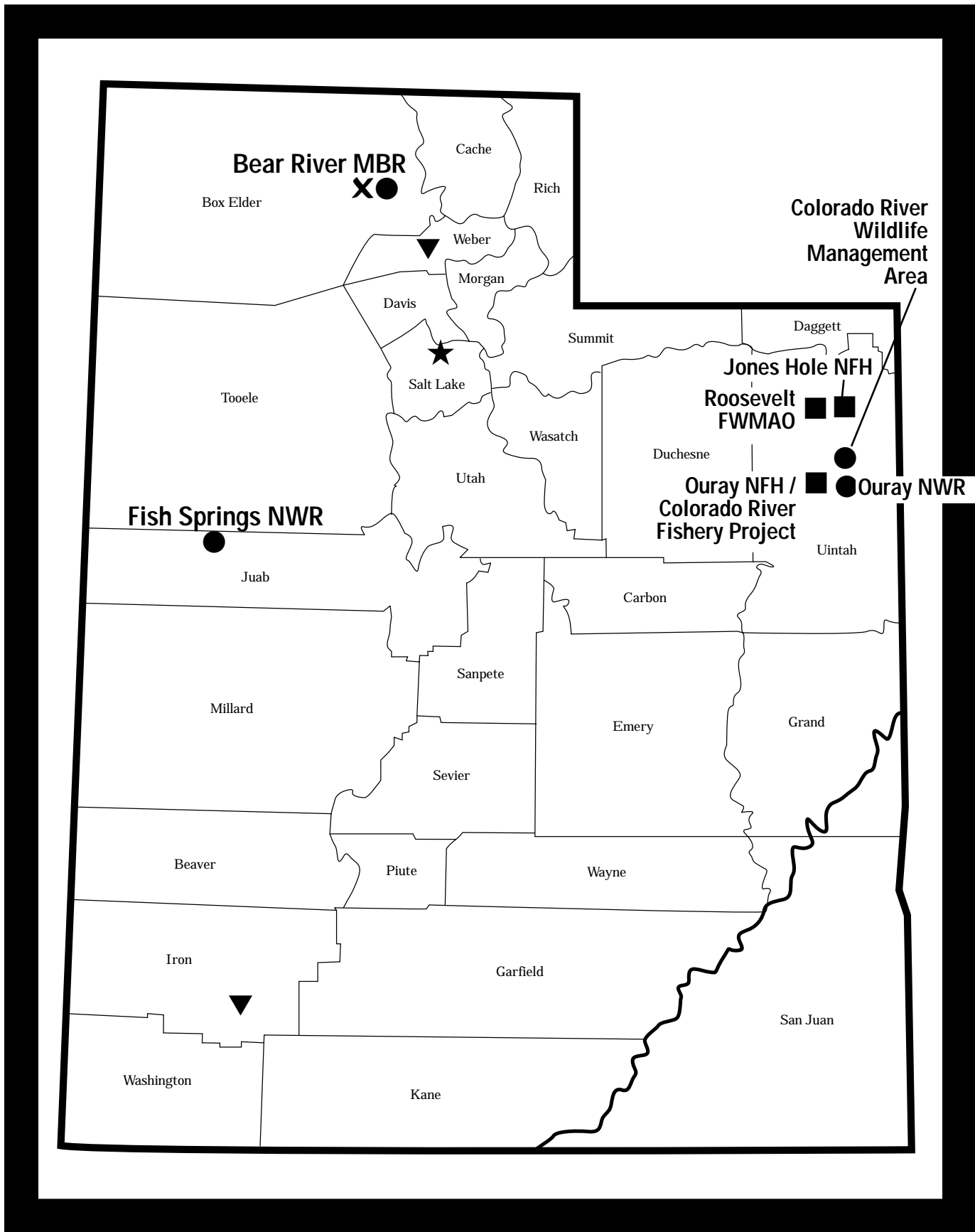
In 2000, Utah received: \$4,352,260 for sport fish restoration, and \$3,468,682 for wildlife restoration and hunter education.

## **Partners for Fish and Wildlife Facts**

With a variety of partners, the Service helped private landowners develop and restore wetlands, riparian corridors and grasslands for the benefit of fish, wildlife, and natural resources.

## **Endangered Species Recovery Program Facts**

The Service is responsible for administration of the endangered species recovery program for the State of Utah and issues relating to three major ecosystems, including the Great Basin, the Colorado Plateau, and the Mojave Desert. These unique habitats provide for 42 federally threatened or endangered species, including 22 plants and 20 animals. The Service also provides close coordination with various land management agencies in Utah.



**Offices of the U.S. Fish & Wildlife Service**

- National Wildlife Refuge
- Fisheries Office
- ✕ Partners for Fish & Wildlife Office
- ★ Ecological Services Office
- ▼ Law Enforcement Office

**Utah**

# Jones Hole

## *National Fish Hatchery*

Contact: *Richard Bottomley*  
*Project Leader*  
Address: *226 West 100 North #2*  
*Vernal, Utah 84078*

Telephone: *435-789-4481 (Hatchery)*  
*435-789-0354 x18 (Vernal)*  
Fax: *435-781-3024*  
E-mail: *richard\_bottomley@fws.gov*

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### **Station Facts**

Established: 1956

Hatchery is located 41 miles Northeast of Vernal on 390 acres of land.

First trout produced in 1970.

Annual Hatchery production averages 200,000 pounds or two million fish.

Propagation and stocking supports over 185,000 angler days per year, valued at over \$9.25 million.

The station rests in a spectacular geological setting, bordering the Dinosaur National Monument.

### **Station Objectives**

Provide trout for mitigation of losses in Colorado River Storage Project waters, Flaming Gorge being the largest.

Provide trout to Native Americans on nearby Indian Reservations.

### **Station Fiscal Facts**

Staff: 5

Current Budget (FY 00): \$368,400

Annual Visitation: 7,000

### **Public Use Opportunities**

Hatchery tours.

Hiking access to Dinosaur National Monument and viewing of pictographs.

Fishing in Jones Creek.

Visitor Center and 50 outside concrete raceways.

### **Activity Highlights**

Stocking of fish in local waters for Annual Kids Fishing Derby.

Participation in Uintah County Fair.

# Ouray

## National Fish Hatchery

Contact: Vacant Telephone: 435-790-1114 (Hatchery)  
Project Leader 435-789-4078 (Vernal)  
(Steve Severson, Acting Project Leader)  
Address: 266 West 100 North, Suite 2 Fax: 435-789-3984  
Vernal, Utah 84078 E-mail: steve\_severson@fws.gov

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### Station Facts

Established: 1996

Hatchery informally started in 1987 as an experiment to hold and propagate endangered fish of the Colorado River.

Hatchery facilities are being constructed and full development will include 36 rearing ponds, solar conditioning reservoir, fish culture building, well field, and water treatment facility.

Fish production and distribution over the last few years have varied from 2,000 to 102,000 fish per year.

### Station Objectives

Provide refugia, propagation, and technology development to assist in the recovery of the four endangered Colorado River fish (razorback sucker, Colorado pikeminnow, bonytail chub, and humpback chub).

### Station Fiscal Facts

Staff: 4

Current Budget (FY 00): \$324,000

Annual Visitation: 1,000

### Public Use Opportunities

Opportunity to educate the public about the importance of a healthy upper Colorado River Ecosystem, while helping recover endangered native fishes.

### Activity Highlights

Up to 18 fish culture, genetics and life history research projects have been conducted each year.

Staff participates in the annual open house held at the Hatchery and Refuge in early May.

Participates in Uintah County Fair.

### Partners

Paws-on

Water Conference

Basin Partners

# Roosevelt Fish & Wildlife Management Assistance Office

Contact: David Irving  
Project Leader  
Address: 855 East 200 North 112-13  
Roosevelt, Utah 84066

Telephone: 435-722-3321  
Fax: 435-722-5016  
E-mail: dave\_irving@fws.gov

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## Station Facts

The Roosevelt FWMAO is charged with providing technical assistance on fish and wildlife resource management issues to Indian Tribes and military installations throughout Utah. Activities include habitat assessment, habitat improvement, fish population surveys, creel surveys, fish stocking, fishery management plan development, native fish restoration, big game surveys, big game management strategy development, bird surveys, and fund-raising for Tribal projects.

## Station Objectives

Provide fish and wildlife management technical assistance to Tribes and military installations that seek to improve their resources and/or their resource management capabilities.

Foster partnerships between various agencies, non-government organizations, and Tribes to accomplish natural resource management objectives.

Facilitate the development of long-term sustainable uses of natural resources for the benefit of the Tribes that are compatible with their Tribal cultures and economic needs, as well as the principles of sound fish and wildlife management.

## Station Fiscal Facts

Staff: 4

Current Budget (FY 00):  
\$201,700

## Activity Highlights

Restoration of native Bonneville cutthroat trout to streams on the Confederated Tribes of the Goshute Indian Reservation.

Habitat improvement on streams and construction of ponds to provide greater quantity and quality of trout habitat. Monitor populations, fishing pressure, and stock fish in 24 waters on the Uintah and Ouray Indian Reservation.

Inventory and monitoring of biodiversity in wetlands on Hill Air Force Base.

Assist in the revision of game codes and development of commercial hunting on the Confederated Tribes of the Goshute Indian Reservation.

Provide technical support to Federal and State agencies on endangered species recovery, invasive species removal, neotropical songbird and waterfowl counts, water development, and public use issues in eastern Utah.

A member of the Upper Colorado River Basin Ecosystem and the Interagency Biological Assessment Team.

# Vernal Colorado River Fishery Project

Contact: *Tim Modde*  
*Project Leader*  
Address: *266 West 100 North, Suite 2*  
*Vernal, Utah 84078*

Telephone: *435-789-0354*  
Fax: *435-789-4805*  
E-mail: *tim\_modde@fws.gov*

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## Station Facts

The station was established in 1979 in Vernal, as an integral part of the Region 6 Upper Colorado River Endangered Fishes Program.

Most work is done in support of the "Recovery Implementation Program for the endangered fish in the Upper Colorado River Basin," an interagency agreement signed by the Secretary of the Interior and the governors of Utah, Colorado, and Wyoming in 1988.

## Station Mission and Objectives

The mission is to conduct research and recovery action to benefit four rare and endangered fishes: Colorado pikeminnow, razorback sucker, humpback chub, and bonytail chub.

Gather life history information on listed species to allow implementation of management actions that will assist in the recovery of these fishes.

Define instream flow needs of these fishes, habitat use patterns, and stocking recommendations.

Engage in monitoring programs that define responses of listed fishes to management actions.

Coordinate research and monitoring with, and often conducted in conjunction with, other State, Federal and academic partners.

## Station Fiscal Facts

Staff: 5

Current Budget (FY 97):  
\$500,000

## Activity Highlights

Conducting studies to verify flow recommendations for endangered fishes in the Yampa, White and Green Rivers.

Studying the impact of floodplain restoration by levee removal and its impact on native and nonnative fishes in the Green River.

Investigating the hypothesis of natal imprinting by the endangered Colorado pikeminnow and razorback sucker.

Monitoring the relative abundance of larval and adult razorback sucker to flows in the Green River, Utah.

# Bear River Migratory Bird Refuge

Contact: Al Trout  
Refuge Manager  
Address: 58 South 950 West  
Brigham City, Utah 84302

Telephone: 435-723-5887 Ext 11  
Fax: 435-723-8873  
E-mail: al\_trout@fws.gov

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## Station Facts

Established: 1928

Acres: 74,000

The Refuge was established as “a suitable feeding and breeding grounds for migratory wildfowl.”

Bear River delta has long been considered one of the most valuable waterbird and wetland areas of the Intermountain West.

In 1991, the Refuge was designated as a Western Hemisphere Shorebird Reserve.

## Station Objectives

Protect and enhance Refuge habitat to maintain or increase federally listed endangered or threatened species and species of concern.

Protect, enhance, develop, and maintain suitable nesting and migration habitat to benefit migratory birds.

Provide diverse habitats in various successional stages to maintain healthy and diverse fish and wildlife populations.

Provide opportunities for the public to observe, appreciate, and understand wildlife and people’s role in the environment.

Provide recreational opportunities including hunting, fishing, wildlife observation, and photography.

## Station Fiscal Facts

Staff: 10

Current Budget (FY 00):  
\$473,833

- Annual Visitation: 25,000
- Volunteer hours: 5,430

## Public Use Opportunities

- Fishing and hunting (wheelchair accessible fishing pier and sport hunting and wildlife observation).
- Auto tour route.
- Wildlife observation and photography.
- Educational program available to school groups.

## Activity Highlights

During the 1980s, the Great Salt Lake rose to flood levels and the entire Refuge was inundated with saltwater and all facilities and existing vegetation were destroyed.

Since 1991, 72.3 miles of dikes and channels and 47 primary water control structures have been restored; a pavilion, fishing pier, restroom, parking area, boat launch, and information kiosk have been constructed.

A new visitor center is currently in the planning and development stage.

The Refuge has established the “Friends of the Bear River Bird Refuge” group.



# Fish Springs

## *National Wildlife Refuge*

Contact: Jay Banta  
Refuge Manager  
Address: P.O. Box 568  
Dugway, Utah 84022

Telephone: 435-831-5353  
Fax: 435-831-5354  
E-mail: jay\_banta@fws.gov

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### **Station Facts**

Established: March 1959

Acres: 17,992

The Refuge is located at the southern end of the Great Salt Lake Desert. The 10,000-acre marsh system is fed by five major springs flowing from a fault line at the base of the Fish Springs Range.

The Utah chub, a relict fish of ancient Lake Bonneville, still inhabits Refuge springs.

The endangered least chub has been introduced to the Refuge springs.

Access to the Refuge is difficult. The Refuge is 78 miles northwest of Delta, with the first 55 miles paved and the last 23 miles being gravel/dirt road.

Both the Overland Stage and the Pony Express maintained way-stations at Fish Springs. The Transcontinental Telegraph came through in 1861 and the Nations's first transcontinental automobile road, the Lincoln Highway, cut its way through what is now the Refuge in the early 20<sup>th</sup> Century.

### **Station Objectives**

Protect critical wetland and upland habitat in the Bonneville Basin.

Provide habitat for migrating, nesting, and wintering migratory birds and other wildlife.

Protect and preserve cultural resources.

Provide wildlife related public use opportunities.

### **Station Fiscal Facts**

Staff: 4

Current Budget (FY 00):  
\$213,549

- Annual Visitation: 3,000
- Volunteer hours: 1,068

### **Public Use Opportunities**

- Eleven-mile auto tour route.
- Wildlife observation.
- Duck hunting.
- Environmental education upon request.

### **Activity Highlights**

An open house is held annually the third Saturday of September. Activities include speakers on historical features of the Refuge and tours of bird and plant resources.

Water management is very critical and is the overall unique management feature of the Refuge.

# Ouray National Wildlife Refuge Complex

Contact: Dan Alonso  
Refuge Manager  
Address: HC 69, Box 232  
Randlett, Utah 84063-9729

Telephone: 435-545-2522  
Fax: 435-545-5369  
E-mail: dan\_alonso@fws.gov

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## Station Facts

Established: May 1960

Acres: 11,987

The Refuge leases 2,692 acres from the Uintah and Ouray Ute Tribe.

The Refuge lies along 12 miles of the Green River and includes desert uplands, wetlands, and riverine and cottonwood forest.

The Refuge serves as a production and migrational area for many species of migratory waterbirds including ducks, geese, cranes, shorebirds, and wading birds. The riparian forest is important for breeding and migrating neotropical song birds. Up to 80 bald eagles may use this Refuge during winter migration.

A small portion of the Refuge is seriously contaminated with selenium which negatively affects all life stages and reproduction of waterbirds and fishes.

The Refuge includes critical habitat for the endangered razorback sucker and Colorado pikeminnow.

Located within the Refuge is the newly established Ouray National Fish Hatchery which produces and raises endangered fishes.

## Station Objectives

Provide healthy and diverse habitats of wetland, riparian and upland desert to support migrational and breeding migratory birds.

Preserve a natural diversity and abundance of local flora and fauna.

Assist with the recovery of endangered fishes of the Green River.

Provide quality wildlife and wildlands-oriented recreation and interpretation.

## Station Fiscal Facts

Staff: 8

Current Budget (FY 00):  
\$389,5555

- Annual Visitation: 10,000
- Volunteer hours: 2,576

## Public Use Opportunities

- Fishing and hunting.
- Auto tour route.
- Wildlife observation.
- Wildlife and wildland hiking.
- Canoeing.
- Photography.
- Outdoor classrooms.

## Activity Highlights

Cooperate with Colorado River Endangered Fishes Recovery Program and research activities involving endangered fishes and river geomorphology.

Improve flooded bottomland habitat for native fishes.

Over \$2.9 million spent since 1993 to resolve selenium contamination of Refuge wetlands and flooded bottomlands.

Participate in annual banding and monitoring of neotropical song birds.

Active participation in mosquito abatement activities in conjunction with Uintah County Mosquito Abatement District.

# Colorado River Wildlife Management Area

Contact: Dan Alonso  
Refuge Manager  
Address: HC 69, Box 232  
Randlett, Utah 84063-9729

Telephone: 435-545-2522  
Fax: 435-545-5369  
E-mail: dan\_alonso@fws.gov

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## Station Facts

Established: July 1999

Acres: 425 at present

The Refuge lies along the Green River in Utah, and the Colorado and Gunnison Rivers in Colorado.

The Refuge consists of perpetual conservation easements.

At present six easements totaling 425 acres have been transferred from the Bureau of Reclamation to the Service.

Numerous other easements are currently being negotiated.

The purpose of the easements is to provide critical habitat for the four endangered fish of the Upper Colorado River System (razorback sucker, Colorado pikeminnow, humpback chub, and bonytail chub).

## Station Objectives

Provide critical habitat for the four endangered fish of the Upper Colorado River.

## Station Fiscal Facts

Staff: Administered by Ouray NWR staff.

Current Budget (FY 00):  
\$5,000

## Public Use Opportunities

Not open to public (private lands).

# Partners for Fish and Wildlife

Contact: *Karl Fleming*  
*Refuge Operations Specialist*  
Address: *58 South 950 West*  
*Brigham City, Utah 84302*

Telephone: *435-723-5887 x22*  
Fax: *435-723-8873*  
E-mail: *karl\_fleming@fws.gov*

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## **Voluntary Habitat Programs**

Wetland restoration and enhancement.

Riparian restoration and enhancement.

Grass seedings tame and native.

Grazing systems.

Construction of artificial wetlands.

## **Focus Areas**

Private lands adjoining Refuges.

Chalk Creek watershed.

Bear River watershed.

Confederated Tribes of the Goshute.

## **Program Accomplishments**

Habitat Agreements with Landowners: 56

Wetland Restoration: 2,548 acres

Artificial wetland construction: 2,158 acres

Riparian restoration and protection: 8.7 miles

Grazing systems: 555 acres

Grass seedings: 347 acres

## **Project Partners**

- Private landowners
- Utah Division of Wildlife Resources
- Conservation Districts
- Native American Tribes
- Natural Resources Conservation Service
- The Nature Conservancy
- Trout Unlimited
- Lost Creek Foundation
- EPA

## **Funding and Special Projects**

Cash contributions by partners: \$164,348

In-kind services contributed by partners: \$44,000

An application to the National Fish and Wildlife Foundation for stream improvement and riparian restoration for Chalk Creek was successful, and \$50,000 was awarded to the Conservation District.

Two challenge cost share awards for work with the State were awarded for a total of \$10,000.

# Ecological Services (ES) Field Office

Contact: Henry Maddux  
Field Supervisor  
Address: Lincoln Plaza, Suite 404  
145 East 1300 South  
Salt Lake City, Utah 84115

Telephone: 801-524-5009  
Fax: 801-524-5021  
E-mail: henry\_maddux@fws.gov

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## Station Facts

The Utah Ecological Services Field Office is responsible for endangered species, environmental contaminants, and Federal projects/activities for the conservation of trust resources in the State of Utah. Coordination also occurs with other Service programs and other Federal and State agencies.

The office consists of 23 personnel including four administrative staff and 19 biologists. Occasionally, seasonal biological technicians are employed to assist in field work.

Area of responsibility is the entire State of Utah and issues relating to three major ecosystems, including the Great Basin, the Colorado Plateau, and the Mojave Desert.

The unique habitats in Utah have 42 federally listed threatened or endangered species, including 22 plants, 3 mammals, 6 birds, 8 fish, 1 reptile, and 2 snails.

## Station Objectives

Administer responsibilities for consultation, listing, and recovery under the Endangered Species Act.

Participate in the environmental review of federally funded, licensed, and permitted projects, and provide recommendations to conserve fish and wildlife as required by the Fish and Wildlife Coordination Act and other environmental laws.

Identify and prevent harmful environmental contaminant impacts on fish and wildlife, and restore resources degraded by contamination.

## Station Fiscal Facts

Staff: 23

Current Budget (FY 00):  
\$2,700,000

## Activity Highlights

Participate in two major Habitat Conservation Plans in Washington County (desert tortoise) and Iron County (Utah prairie dogs), as well as nine prelisting agreements for several sensitive species (Bonneville cutthroat trout, least chub, Virgin River spinedace, spotted frog and Coral Pink Sand Dunes tiger beetle).

Two Biological Opinions (Atlas uranium mill tailings and Flaming Gorge operations) focus on listed Colorado River fish, while a Virgin River Resource Management and Recovery Program is being finalized for listed and sensitive species.

The Jordan River/Sharon Steel Restoration and the Kennecott Utah Copper cleanup are two important environmental contaminant efforts.

Participate in all aspects of the Central Utah Project from project and mitigation planning through implementation.

# Law Enforcement

*Contact: John M. Neal  
Senior Resident Agent  
Address: P.O. Box 2369  
Ogden, Utah 84402*

*Telephone: 801-625-5570  
Fax: 801-625-5566  
E-mail: john\_m\_neal@fws.gov*

*Contact: Vacant  
Special Agent  
Address: P.O. Box 244  
Cedar City, Utah 84720*

*Telephone: 435-865-0861  
Fax: 435-865-0913*

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## **What is Wildlife Law Enforcement?**

Wildlife law enforcement is one of the basic tools used by FWS to achieve its wildlife management goals. LE personnel assist in controlling human interactions with the wildlife resource. They promote, through outreach and other educational programs, voluntary compliance with Federal wildlife laws. LE personnel apprehend those individuals and organizations who elect to violate the law.

Special Agents are criminal investigators who enforce Federal wildlife laws across the U.S.. Their investigative activities include surveillance, undercover work, developing intelligence on suspected violators, collecting evidence, making arrests, and preparing cases for court. Special Agents often work with other Federal, Tribal, foreign, or state LE agencies, as well as provide training to them about wildlife law enforcement techniques.

Wildlife Inspectors are the front line defense against the

illegal wildlife trade - a criminal enterprise that threatens species worldwide. They are stationed along the Canada border and interior Customs Ports of Entry to inspect wildlife, their parts and products that are being imported into or exported from the U.S. When violations are encountered, they either refuse entry into the U. S., detain the shipment for further inspection, or seize the shipment, either seeking abandonment or referring to a Agent for investigation.

## **Activity Highlights**

- Protect endangered species and their habitats, from illegal take, import/export, and commercialization.
- Investigate illegal take, transportation, and commercialization of big game and other wildlife.
- Ensure compliance with Federal migratory bird hunting regulations.
- Protect bald and golden eagles from being illegally poisoned, trapped, shot, electrocuted, or illegal commercial activity.
- Ensure wildlife being is

legally imported/exported, including being in compliance with international treaties (CITES) and other applicable laws.

- Investigate illegal take of migratory birds associated with environmental hazards such as oil production facilities, exposure to herbicides/pesticides, electrocution on power lines, and primary and secondary poisonings.
- Assist with law enforcement on Service lands, including protection of National Wildlife Refuges, wetland, grass land, and other conservation easements.

## **Partners**

- Utah Division of Wildlife Resources
- Bear River Migratory Bird Refuge
- Fish Springs NWR
- Ouray NWR
- Native Americans Tribes
- U.S. Attorney's Office (DOJ)
- Military Reservation

# North American Waterfowl Management Plan

*Contact:* Carol A. Lively  
*Regional Contact*  
*NAWMP Coordinator*  
*Address:* P.O. Box 25486, DFC  
Denver, Colorado 80225

*Telephone:* 303-236-8155 x 252  
*Fax:* 303-236-8680  
*E-mail:* carol\_lively@fws.gov

*State Contact:* Jim Cole  
*Intermountain West Joint*  
*Venture Coordinator*  
*Address:* Lincoln Plaza Center, Suite 404  
145 East 1300 South  
Salt Lake City, Utah 84105

*Telephone:* 801-524-5110  
*Fax:* 801-525-5021

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## About the Plan

International agreement signed in 1986.

### Goal:

Return continental waterfowl populations to levels of mid-1970's.

Achieve populations goals by protecting, restoring, and enhancing wetland and grassland habitat.

Includes 12 habitat joint ventures and two species joint ventures in the U.S., Canada, and Mexico.

### Partner Involvement

- Private landowners
- Nonprofit organizations
- Corporations
- Local, State and Federal Government agencies

## Utah Projects

Utah projects include: wetland development and enhancement on private lands.

Great Salt lake wetlands, Phase II is the second NAWCA project in Utah.

Farmers, ranchers and other landowners; Federal, State and local agencies; and conservation organizations and community groups typically participate in wetland protection projects.

### Habitat Accomplishments.

Approximately 24,000 acres of wetlands will be restored and enhanced through the Great Salt Lake NAWCA projects.

## Financial Contributions to Utah

- Total NAWCA projects: \$8,581,613
- NAWCA contributions: \$1,987,000
- Partner contributions: \$6,594,613

## Public Benefits

- Broad coalition of partners that support “voluntary” wetland conservation.
- Improved water quality.
- Enhanced floodwater storage.
- Improved community and landowner relations.
- Enhanced wildlife diversity.
- Increased public recreation opportunities.

# Utah Federal Aid-- Sport Fish and Wildlife Restoration



Contact: Vacant  
Chief  
Address: P.O. Box 25486, DFC  
Denver, Colorado, 80225

Telephone: 303-236-7392  
Fax: 303-236-8192  
E-mail:

### Source of Funding

Federal excise taxes paid by hunters, anglers, and boaters on hunting and fishing equipment; portion of the Federal fuel tax; and import duties on fishing tackle and pleasure boats.

### How the Money Can Be Used

Fish and wildlife research; habitat enhancement; technical assistance; environmental review of public projects; land acquisitions; operation and maintenance of areas and facilities; boating and angler access improvements; comprehensive planning for fish and wildlife resources; and hunter and aquatic education.

### Federal Aid to Utah (FY 00 Apportionments)

- Sport Fish Restoration: \$4.4 million
- Wildlife Restoration: \$3.5 million

### Percent Federal Aid in State Wildlife Budget:

21%

### Number of Participants and Economic Benefits to Utah

#### Fishing:

- Number of anglers 1999: 457,086
- Economic Impact of Angler Expenditures:\* \$231 million

#### Hunting:

- Number of hunters 1999: 190,092
- Economic Impact of Hunter Expenditures:\* \$132 million

### Federal Aid Project Types in Utah \*\*

#### Sport Fish Restoration Projects:

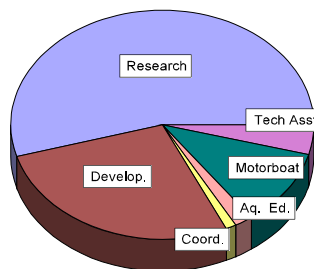
- Research: 55%
- Development: 28%
- Coordination: 1%
- Aquatic Education: 2%
- Motorboat Access: 11%
- Technical Assistance: 4%

#### Wildlife Restoration Projects:

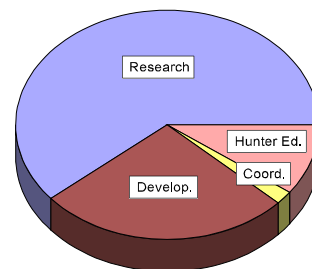
- Research: 62%
- Coordination: 2%
- Development: 27%
- Hunter Education: 10%

Percentage of Utah Project Types in Federal Aid:

Sport Fish



Wildlife



\* Based on the "1996 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation."

\*\* Based on approved 1998 Grant obligations (percentages reflect  $\pm$  1%). State has five years to obligate Motorboat access funds.



# Migratory Bird Conservation

Contact: *Dr. John E. Cornely*  
*Migratory Bird Coordinator*  
Address: *P.O. Box 25486, DFC*  
*Denver, Colorado 80225*

Telephone: *303-236-8155 x259*  
Fax: *303-236-8680*  
E-mail: *john\_cornely@fws.gov*

Contact: *Stephanie L. Jones*  
*Nongame Migratory Bird Coordinator*  
Address: *P.O. Box 25486, DFC*  
*Denver, Colorado 80225*

Telephone: *303-236-8155 x253*  
Fax: *303-236-8680*  
E-mail: *stephanie\_jones@fws.gov*

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## **Inventory and Monitoring**

Nongame bird monitoring

Mourning dove call count survey

Mid-winter waterfowl survey

Duck banding program

Habitat inventory and monitoring consultation

## **Research**

Biological surveys of migratory birds on National Wildlife Refuges and Waterfowl Production Areas.

Monitoring, including survivorship in riparian communities at Ouray NWR.

Great Basin colonial waterbird surveys.

Great Salt Lake shorebird surveys.

## **Management**

Migratory Bird permit issuance and management

Migratory Bird hunting regulations development

Migratory Bird population surveys and management

Wildlife habitat management

Grassland/wetland restoration, creation, enhancement, and protection

## **Partnerships**

Utah Division of Wildlife Resources

Utah State University and University of Utah

Utah Cooperative Fish and Wildlife Research Unit

Bureau of Land Management

## **Outreach**

International Migratory Bird Day

Biological intern program

Student Career Experience Program