

# USGS Training, Research, Isotope Production, General Atomics research reactor license renewal

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## *IPaC Trust Resources Report*

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This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.



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U.S. Fish & Wildlife Service

# IPaC Trust Resources Report



## NAME

USGS Training, Research, Isotope Production, General Atomics research reactor license renewal

## LOCATION

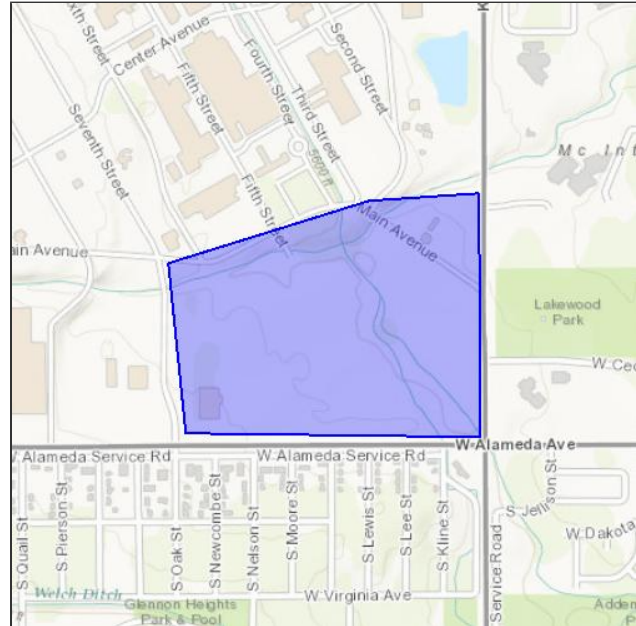
Jefferson County, Colorado

## DESCRIPTION

The proposed action would renew Facility Operating License No. R-113 for an additional 20 years from the date of issuance of the renewal license.

## IPAC LINK

<https://ecos.fws.gov/ipac/project/W7PUJ-7K4YZ-H7POC-ACF4F-QPQBCE>



## U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

### Colorado Ecological Services Field Office

Denver Federal Center

P.o. Box 25486

Denver, CO 80225-486

(303) 236-4773

# Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

**This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.**

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

[Section 7](#) of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency.

**A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list either from the Regulatory Documents section in IPaC or from the local field office directly.**

The list of species below are those that may occur or could potentially be affected by activities in this location:

## Birds

### **Least Tern** *Sterna antillarum*

Endangered

THIS SPECIES ONLY NEEDS TO BE CONSIDERED IF THE FOLLOWING CONDITION APPLIES

Water-related activities/use in the N. Platte, S. Platte and Laramie River Basins may affect listed species in Nebraska.

CRITICAL HABITAT

**No critical habitat** has been designated for this species.

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B07N](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B07N)

### **Mexican Spotted Owl** *Strix occidentalis lucida*

Threatened

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B074](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B074)

### **Piping Plover** *Charadrius melodus*

Threatened

THIS SPECIES ONLY NEEDS TO BE CONSIDERED IF THE FOLLOWING CONDITION APPLIES

Water-related activities/use in the N. Platte, S. Platte and Laramie River Basins may affect listed species in Nebraska.

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B079](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B079)

### **Whooping Crane** *Grus americana*

Endangered

THIS SPECIES ONLY NEEDS TO BE CONSIDERED IF THE FOLLOWING CONDITION APPLIES

Water-related activities/use in the N. Platte, S. Platte and Laramie River Basins may affect listed species in Nebraska.

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B003](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B003)

## Fishes

### **Pallid Sturgeon** *Scaphirhynchus albus*

Endangered

THIS SPECIES ONLY NEEDS TO BE CONSIDERED IF THE FOLLOWING CONDITION APPLIES

Water-related activities/use in the N. Platte, S. Platte and Laramie River Basins may affect listed species in Nebraska.

CRITICAL HABITAT

**No critical habitat** has been designated for this species.

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=E06X](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=E06X)

## Flowering Plants

**Colorado Butterfly Plant** *Gaura neomexicana* var. *coloradensis* Threatened

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=Q0VV](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q0VV)

**Ute Ladies'-tresses** *Spiranthes diluvialis* Threatened

CRITICAL HABITAT

**No critical habitat** has been designated for this species.

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=Q2WA](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q2WA)

**Western Prairie Fringed Orchid** *Platanthera praeclara* Threatened

THIS SPECIES ONLY NEEDS TO BE CONSIDERED IF THE FOLLOWING CONDITION APPLIES

Water-related activities/use in the N. Platte, S. Platte and Laramie River Basins may affect listed species in Nebraska.

CRITICAL HABITAT

**No critical habitat** has been designated for this species.

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=Q2YD](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q2YD)

## Mammals

**Canada Lynx** *Lynx canadensis* Threatened

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=A073](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A073)

**Preble's Meadow Jumping Mouse** *Zapus hudsonius preblei* Threatened

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=A0C2](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0C2)

## Critical Habitats

**There are no critical habitats in this location**

# Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.<sup>[1]</sup> There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

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1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

- Birds of Conservation Concern  
<http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Conservation measures for birds  
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data  
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/akn-histogram-tools.php>

The following species of migratory birds could potentially be affected by activities in this location:

**American Bittern** *Botaurus lentiginosus*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B0F3](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3)

Bird of conservation concern

**Bald Eagle** *Haliaeetus leucocephalus*

Year-round

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B008](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008)

Bird of conservation concern

**Black Rosy-finch** *Leucosticte atrata*

Year-round

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B0J4](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0J4)

Bird of conservation concern

**Black Swift** *Cypseloides niger*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B0FW](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FW)

Bird of conservation concern

**Brewer's Sparrow** *Spizella breweri*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B0HA](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0HA)

Bird of conservation concern

**Burrowing Owl** *Athene cunicularia*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B0NC](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0NC)

Bird of conservation concern

**Cassin's Finch** *Carpodacus cassinii*

Year-round

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B0J6](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0J6)

Bird of conservation concern

**Dickcissel** *Spiza americana*

Season: Breeding

Bird of conservation concern

**Ferruginous Hawk** *Buteo regalis*

Year-round

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B06X](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B06X)

Bird of conservation concern

**Flammulated Owl** *Otus flammeolus*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B0DK](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0DK)

Bird of conservation concern

**Golden Eagle** *Aquila chrysaetos*

Year-round

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B0DV](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0DV)

Bird of conservation concern

**Lewis's Woodpecker** *Melanerpes lewis*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B0HQ](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0HQ)

Bird of conservation concern

**Loggerhead Shrike** *Lanius ludovicianus*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B0FY](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0FY)

Bird of conservation concern

**Long-billed Curlew** *Numenius americanus*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B06S](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B06S)

Bird of conservation concern

**Mountain Plover** *Charadrius montanus*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B078](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B078)

Bird of conservation concern

**Peregrine Falcon** *Falco peregrinus*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B0FU](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0FU)

Bird of conservation concern

**Prairie Falcon** *Falco mexicanus*

Year-round

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?scode=B0ER](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0ER)

Bird of conservation concern



**Sage Thrasher** *Oreoscoptes montanus*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B0ID](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0ID)

Bird of conservation concern

**Short-eared Owl** *Asio flammeus*

Season: Wintering

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B0HD](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD)

Bird of conservation concern

**Swainson's Hawk** *Buteo swainsoni*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B070](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B070)

Bird of conservation concern

**Virginia's Warbler** *Vermivora virginiae*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B0IL](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0IL)

Bird of conservation concern

**Western Grebe** *aechmophorus occidentalis*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B0EA](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0EA)

Bird of conservation concern

**Williamson's Sapsucker** *Sphyrapicus thyroideus*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B0FX](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FX)

Bird of conservation concern

**Willow Flycatcher** *Empidonax traillii*

Season: Breeding

[http://ecos.fws.gov/tess\\_public/profile/speciesProfile.action?spcode=B0F6](http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6)

Bird of conservation concern

## Wildlife refuges and fish hatcheries

**There are no refuges or fish hatcheries in this location**

# Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

## DATA LIMITATIONS

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

## DATA EXCLUSIONS

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

## DATA PRECAUTIONS

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

This location overlaps all or part of the following wetlands:

## Riverine

[R4SBCx](#)

9.6 acres

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>