

APPENDIX 3L

Species Lists

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United States Department of the Interior



FISH AND WILDLIFE SERVICE

Utah Ecological Services Field Office

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West Valley City, UT 84119-7603

Phone: (801) 975-3330 Fax: (801) 975-3331

In Reply Refer To:

03/31/2025 14:51:21 UTC

Project Code: 2025-0076154

Project Name: Heber Valley Corridor EIS

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Utah Ecological Services Field Office

2369 West Orton Circle, Suite 50
West Valley City, UT 84119-7603
(801) 975-3330

PROJECT SUMMARY

Project Code: 2025-0076154
Project Name: Heber Valley Corridor EIS
Project Type: Road/Hwy - New Construction
Project Description: Heber Valley Corridor EIS
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@40.51925275,-111.41860840497239,14z>



Counties: Wasatch County, Utah

ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 1 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Canada Lynx <i>Lynx canadensis</i>	Threatened
Population: Wherever Found in Contiguous U.S. There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3652	
North American Wolverine <i>Gulo gulo luscus</i>	Threatened
No critical habitat has been designated for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> Species may be present based on transient occurrence as it moves through or too suitable habitat. Effects should be considered to species and projects should consult with the Service, however, depending on the project, consultation may not be necessary. Species profile: https://ecos.fws.gov/ecp/species/5123	

BIRDS

NAME	STATUS
Yellow-billed Cuckoo <i>Coccyzus americanus</i>	Threatened
Population: Western U.S. DPS There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3911	

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i>	Proposed
There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Threatened
Suckley's Cuckoo Bumble Bee <i>Bombus suckleyi</i>	Proposed
Population: No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10885	Endangered

FLOWERING PLANTS

NAME	STATUS
Ute Ladies'-tresses <i>Spiranthes diluvialis</i>	Threatened
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2159	

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Utah Department of Transportation
Name: Amy Croft
Address: 2825 E Cottonwood Parkway, Suite 200
City: Cottonwood Heights
State: UT
Zip: 84121
Email: amy.croft@hdrinc.com
Phone: 8017437832

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Utah Department of Transportation



Utah Division of Wildlife Resources
1594 W. North Temple
Salt Lake City, UT 84116
(801) 538-4700, wildlife.utah.gov



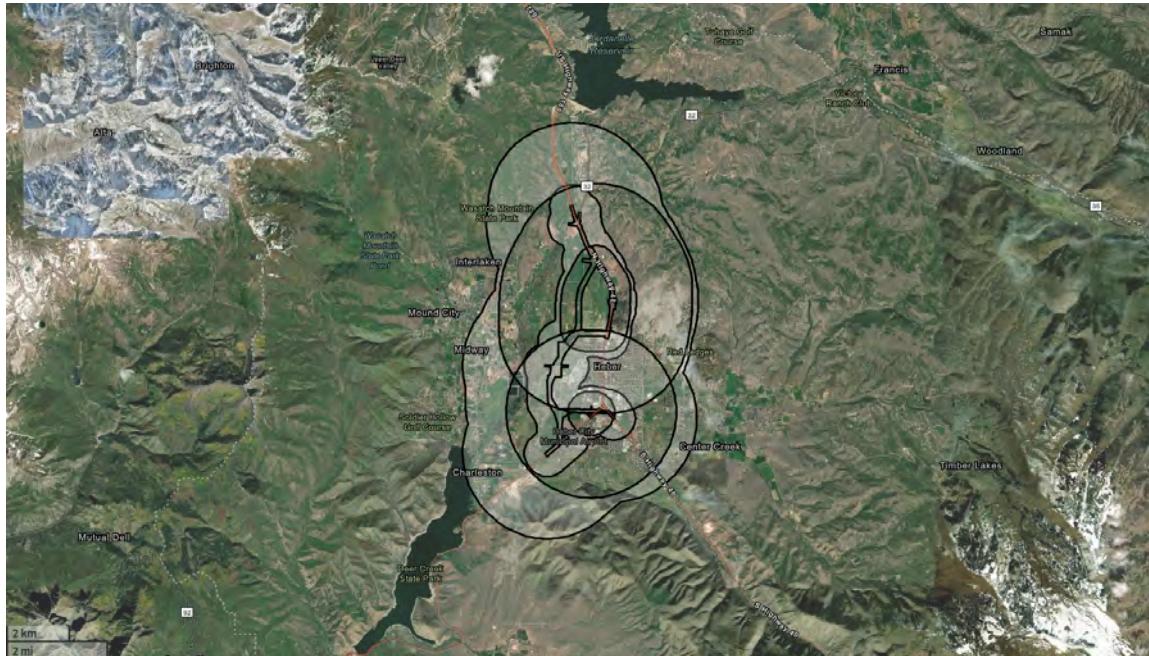
Report Number: amy_17015

Report Date: 2025-03-31 08:58:23

Heber Valley Corridor EIS

Location: Wasatch County

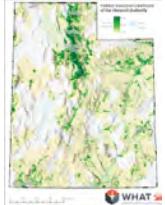
Description: Heber Valley Corridor EIS



Project Area of Interest with a half-mile and two-mile radius.

Half-Mile Radius

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Ubiquitous Pea clam	<i>Pisidium casertanum</i>	None	None	1989-07-11	

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Red-tailed Hawk	<i>Buteo jamaicensis</i>	None	None	2014-05-30	
Bald Eagle	<i>Haliaeetus leucocephalus</i>	None	None	1914-05-01	
Monarch butterfly	<i>Danaus plexippus</i>	SGCN	None	2022-07-03	 Full View
Uinta Willowfly	<i>Taenionema uinta</i>	None	None	1939-04-28	
Ash Gyro	<i>Gyraulus parvus</i>	None	None	1995-08-10	
Creeping Aencylid	<i>Ferrissia rivularis</i>	SGCN	None	1995-08-10	
Bear Lake Springsnail	<i>Pyrgulopsis pilosbryana</i>	SGCN	None	1989-07-11	
Bobolink	<i>Dolichonyx oryzivorus</i>	None	None	2006-06-23	
Southern Leatherside Chub	<i>Lepidomeda aliciae</i>	SGCN	None	1993-07-21	
Red-tailed Hawk	<i>Buteo jamaicensis</i>	None	None	2014-08-09	

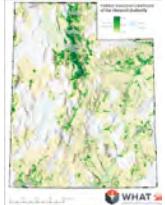
Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Osprey	<i>Pandion haliaetus</i>	None	None	2014-08-09	
Great Horned Owl	<i>Bubo virginianus</i>	None	None	2014-07-02	
Ash Gyro	<i>Gyraulus parvus</i>	None	None	1995-08-10	
Uinta Willowfly	<i>Taenionema uinta</i>	None	None	1981-03-18	
Toquerville Springsnail	<i>Pyrgulopsis kolobensis</i>	None	None	2012-06-20	
Monarch butterfly	<i>Danaus plexippus</i>	SGCN	None	2022-07-03	 Full View
	<i>Bombus huntii</i>	None	None	2021-07-27	
Large Marble Butterfly	<i>Euchloe ausonides</i>	SGCN	None	2007-05-16	
Tadpole Physa	<i>Physa gyrina</i>	None	None	1989-07-11	
Ubiquitous Peaclam	<i>Pisidium casertanum</i>	None	None	1989-07-11	
Bear Lake Springsnail	<i>Pyrgulopsis pilosryana</i>	SGCN	None	1989-07-11	

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Creeping Ancylid	<i>Ferrissia rivularis</i>	SGCN	None	1995-08-10	
Green River Pebblesnail	<i>Fluminicola coloradoensis</i>	SGCN	None	1995-08-10	
Speckled Dace	<i>Rhinichthys osculus</i>	None	None	2009-08-18	
Whooping Crane	<i>Grus americana</i>	None	LE; XN	1999-04-26	
Redside Shiner	<i>Richardsonius balteatus</i>	None	None	2009-08-17	
Utah Chub	<i>Gila atraria</i>	None	None	2009-08-11	
Utah Sucker	<i>Catostomus ardens</i>	None	None	2005-10-17	
Longnose Dace	<i>Rhinichthys cataractae</i>	None	None	2005-10-17	
Bobolink	<i>Dolichonyx oryzivorus</i>	None	None	2006-06-23	
Western Yellow-billed Cuckoo	<i>Coccyzus americanus occidentalis</i>	SGCN	LT	1996-06-18	
Southern Leatherside Chub	<i>Lepidomeda aliciae</i>	SGCN	None	2010-10-19	

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Columbia Spotted Frog	<i>Rana luteiventris</i>	SGCN	None	2022-04-27	
Short-eared Owl	<i>Asio flammeus</i>	SGIN	None	1859-08-21	
Bald Eagle	<i>Haliaeetus leucocephalus</i>	None	None	2003-01-21	
Band-tailed Pigeon	<i>Patagioenas fasciata</i>	SGIN	None	1970-08	

Two-Mile Radius

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Red-tailed Hawk	<i>Buteo jamaicensis</i>	None	None	2014-07-12	
Swainson's Hawk	<i>Buteo swainsoni</i>	None	None	2010-04-10	
Osprey	<i>Pandion haliaetus</i>	None	None	2006-07-15	
Marsh Pondsniail	<i>Stagnicola elodes</i>	None	None	1995-08-10	
Uinta Willowfly	<i>Taenionema uinta</i>	None	None	1981-03-18	

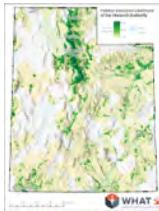
Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Ubiquitous Peaclam	<i>Pisidium casertanum</i>	None	None	1989-07-11	
	<i>Pyractomena dispersa</i>	None	None	2020-07-02	
Monarch butterfly	<i>Danaus plexippus</i>	SGCN	None	2022-06-28	 Full View
Large Marble Butterfly	<i>Euchloe ausonides</i>	SGCN	None	2007-05-16	
Tadpole Physa	<i>Physa gyrina</i>	None	None	1989-07-11	
Green River Pebblesnail	<i>Fluminicola coloradoensis</i>	SGCN	None	1995-08-10	
Longnose Dace	<i>Rhinichthys cataractae</i>	None	None	2009-08-11	
Bobolink	<i>Dolichonyx oryzivorus</i>	None	None	2006-06-23	
Redside Shiner	<i>Richardsonius balteatus</i>	None	None	2009-08-17	
Whooping Crane	<i>Grus americana</i>	None	LE; XN	1999-04-26	

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Utah Sucker	<i>Catostomus ardens</i>	None	None	2009-08-11	
Speckled Dace	<i>Rhinichthys osculus</i>	None	None	2009-08-11	
Utah Chub	<i>Gila atraria</i>	None	None	2009-08-11	
Western Yellow-billed Cuckoo	<i>Coccyzus americanus occidentalis</i>	SGCN	LT	1996-06-18	
Southern Leatherside Chub	<i>Lepidomeda aliciae</i>	SGCN	None	2010-10-19	
Columbia Spotted Frog	<i>Rana luteiventris</i>	SGCN	None	2010-04-27	
Short-eared Owl	<i>Asio flammeus</i>	SGIN	None	1859-08-21	
Band-tailed Pigeon	<i>Patagioenas fasciata</i>	SGIN	None	1970-08	
Red-tailed Hawk	<i>Buteo jamaicensis</i>	None	None	2014-08-09	
Osprey	<i>Pandion haliaetus</i>	None	None	2014-08-09	
Great Horned Owl	<i>Bubo virginianus</i>	None	None	2014-07-02	

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
<u>Swainson's Hawk</u>	<i>Buteo swainsoni</i>	None	None	2014-08-09	
<u>Marsh Pondsail</u>	<i>Stagnicola elodes</i>	None	None	1941-11-09	
<u>Ash Gyro</u>	<i>Gyraulus parvus</i>	None	None	1995-08-10	
<u>Tadpole Physa</u>	<i>Physa gyrina</i>	None	None	1995-08-10	
<u>Uinta Willowfly</u>	<i>Taenionema uinta</i>	None	None	1939-04-28	
<u>Large Marble Butterfly</u>	<i>Euchloe ausonides</i>	SGCN	None	2007-05-16	
<u>Ubiquitous Peaclam</u>	<i>Pisidium casertanum</i>	None	None	1989-07-11	
<u>Toquerville Springsnail</u>	<i>Pyrgulopsis kolobensis</i>	None	None	2012-06-20	
<u>Monarch butterfly</u>	<i>Danaus plexippus</i>	SGCN	None	2022-07-03	 Full View
	<i>Bombus huntii</i>	None	None	2021-07-27	
<u>Bear Lake Springsnail</u>	<i>Pyrgulopsis pilosryana</i>	SGCN	None	1989-07-11	

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Creeping Ancylid	<i>Ferrissia rivularis</i>	SGCN	None	1995-08-10	
Round-fruit Yellow-cress	<i>Rorippa sphaerocarpa</i>	None	None	2015-07-28 00:00:00	
Ute Ladies' Tresses	<i>Spiranthes diluvialis</i>	SGCN	LT	1997-09-04 00:00:00	
Whooping Crane	<i>Grus americana</i>	None	LE; XN	1999-04-26	
Redside Shiner	<i>Richardsonius balteatus</i>	None	None	2009-08-18	
Utah Chub	<i>Gila atraria</i>	None	None	2009-08-17	
Bobolink	<i>Dolichonyx oryzivorus</i>	None	None	2006-06-23	
Utah Sucker	<i>Catostomus ardens</i>	None	None	2009-08-18	
Longnose Dace	<i>Rhinichthys cataractae</i>	None	None	2009-08-17	
Speckled Dace	<i>Rhinichthys osculus</i>	None	None	2009-08-18	
Columbia Spotted Frog	<i>Rana luteiventris</i>	SGCN	None	2022-04-27	

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
<u>Southern Leatherside Chub</u>	<i>Lepidomeda aliciae</i>	SGCN	None	2010-10-19	
<u>Short-eared Owl</u>	<i>Asio flammeus</i>	SGIN	None	1859-08-21	
<u>Bald Eagle</u>	<i>Haliaeetus leucocephalus</i>	None	None	2003-01-21	
<u>Band-tailed Pigeon</u>	<i>Patagioenas fasciata</i>	SGIN	None	1970-08	
<u>Osprey</u>	<i>Pandion haliaetus</i>	None	None	2014-08-09	
<u>Red-tailed Hawk</u>	<i>Buteo jamaicensis</i>	None	None	2014-08-09	
<u>Great Horned Owl</u>	<i>Bubo virginianus</i>	None	None	2014-08-09	
<u>Swainson's Hawk</u>	<i>Buteo swainsoni</i>	None	None	2014-08-09	
<u>Large Marble Butterfly</u>	<i>Euchloe ausonides</i>	SGCN	None	2007-05-16	
<u>Sharp Sprite</u>	<i>Promenetus exacuous</i>	None	None	1995-04-07	
<u>Ash Gyro</u>	<i>Gyraulus parvus</i>	None	None	1995-08-10	

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Suboval Ambersnail	<i>Catinella vermeta</i>	None	None	1917	
Toquerville Springsnail	<i>Pyrgulopsis kolobensis</i>	None	None	2012-06-20	
Viceroy	<i>Limenitis archippus</i>	None	None	2013-07-13	
Tadpole Physa	<i>Physa gyrina</i>	None	None	1995-08-10	
Uinta Willowfly	<i>Taenionema uinta</i>	None	None	1981-03-18	
Marsh Pondsail	<i>Stagnicola elodes</i>	None	None	1995-08-10	
Monarch butterfly	<i>Danaus plexippus</i>	SGCN	None	2022-07-03	 Full View
	<i>Bombus huntii</i>	None	None	2021-07-27	
Ubiquitous Peaclam	<i>Pisidium casertanum</i>	None	None	1989-07-11	
Bear Lake Springsnail	<i>Pyrgulopsis pilosryana</i>	SGCN	None	1989-07-11	

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
<u>Creeping Aencylid</u>	<i>Ferrissia rivularis</i>	SGCN	None	1995-08-10	
<u>Green River Pebblesnail</u>	<i>Fluminicola coloradoensis</i>	SGCN	None	1995-08-10	
<u>California Myotis</u>	<i>Myotis californicus</i>	None	None	1959-08-15	
<u>Awned Sedge</u>	<i>Carex atherodes</i>	None	None	2016-06-28 00:00:00	
<u>Three-stamened Rush</u>	<i>Juncus ensifolius</i>	None	None	2016-07-26 00:00:00	
<u>Larger Water-starwort</u>	<i>Callitrichia heterophylla</i>	None	None	2016-07-26 00:00:00	
<u>Round-fruit Yellow-cress</u>	<i>Rorippa sphaerocarpa</i>	None	None	2015-07-28 00:00:00	
<u>Ute Ladies' Tresses</u>	<i>Spiranthes diluvialis</i>	SGCN	LT	1998-08-27 00:00:00	
<u>Brewer's Sparrow</u>	<i>Spizella breweri</i>	None	None	1994	
<u>Redside Shiner</u>	<i>Richardsonius balteatus</i>	None	None	2009-08-18	
<u>Great Egret</u>	<i>Ardea alba</i>	None	None	2000-05-06	

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Utah Chub	<i>Gila atraria</i>	None	None	2009-08-17	
Virginia's Warbler	<i>Leiothlypis virginiae</i>	None	None	1999	
Bobolink	<i>Dolichonyx oryzivorus</i>	None	None	2006-06-23	
Utah Sucker	<i>Catostomus ardens</i>	None	None	2009-08-18	
Longnose Dace	<i>Rhinichthys cataractae</i>	None	None	2009-08-17	
Speckled Dace	<i>Rhinichthys osculus</i>	None	None	2009-08-18	
Whooping Crane	<i>Grus americana</i>	None	LE; XN	1999-04-26	
Western Yellow-billed Cuckoo	<i>Coccyzus americanus occidentalis</i>	SGCN	LT	1996-06-18	
Southern Leatherside Chub	<i>Lepidomeda aliciae</i>	SGCN	None	2010-10-19	
Columbia Spotted Frog	<i>Rana luteiventris</i>	SGCN	None	2022-04-28	
Short-eared Owl	<i>Asio flammeus</i>	SGIN	None	1859-08-21	

Species Name	Scientific Name	UWAP Status	ESA Status	Last Reported Date	SDHM
Black Swift	<i>Cypseloides niger</i>	SGIN	None	1996-06-19	
Bald Eagle	<i>Haliaeetus leucocephalus</i>	None	None	2003-01-21	
Little Brown Myotis	<i>Myotis lucifugus</i>	SGCN	None	1959-08-15	
Western Toad	<i>Anaxyrus boreas</i>	SGCN	None	1976	 Full View
American White Pelican	<i>Pelecanus erythrorhynchos</i>	SGCN	None	2022-06-05	
Band-tailed Pigeon	<i>Patagioenas fasciata</i>	SGIN	None	1970-08	

Definitions

State Status	
SGCN, SGIN	Species of greatest conservation need (SGCN) or the special subcategory, species of greatest Information need (SGIN), are listed in the Utah Wildlife Action Plan (UWAP) and also included in the Utah Field Guide
U.S. Endangered Species Act	
LE	A taxon that is listed by the U.S. Fish and Wildlife Service as "endangered" with the probability of worldwide extinction
LT	A taxon that is listed by the U.S. Fish and Wildlife Service as "threatened" with becoming endangered

LE;XN	An "endangered" taxon that is considered by the U.S. Fish and Wildlife Service to be "experimental and nonessential" in its designated use areas in Utah
C	A taxon for which the U.S. Fish and Wildlife Service has on file sufficient information on biological vulnerability and threats to justify it being a "candidate" for listing as endangered or threatened
PT/PE	A taxon "proposed" to be listed as "endangered" or "threatened" by the U.S. Fish and Wildlife Service

Species Distribution and Habitat Suitability Models

Species distribution and habitat suitability models (SDHMs) can inform wildlife management decisions such as habitat protection, enhancement, and restoration. They may also help assess environmental impacts by identifying species' habitats. When reevaluating SDHMs with new information, they can help identify or track changes or trends in habitat quality. SDHMs assess habitats' spatial arrangement and connectivity, identify crucial habitats, or describe the environmental conditions a species selects. SDHMs provide an understanding of the impacts of invasive species spread and identify suitable areas for species translocations/re-introductions.

SDHMs show a predicted suitable habitat for a species based on various biotic and abiotic environmental factors. These models may be useful for statewide evaluation but should not be considered verified species presence or absence. Field survey information should be utilized to verify the presence or absence of taxa when making species-specific decisions. Models produced by the Utah Division of Wildlife Resources (DWR) were conducted using a blend of Generalized Linear Models, Generalized Additive Models, Random Forest Models, Boosted Regression Tree Models, and Maximum Entropy Models.

Mitigation Strategies

Typical recommendations to consider and help guide project activities to avoid, minimize or mitigate impacts on wildlife and their habitats from project disturbances are displayed below for some wildlife species found within/near your project area.

Common Name	Strategy
Bald Eagle	Avoid disturbance within disturbance buffer (determined by activity; either 330 ft or 660 ft) from nest Jan. 1 - Aug. 15
Western Toad	Boreal toad is a species of conservation importance in Utah's Wildlife Action Plan. Work with local management agency for ways to minimize impacts.

The DWR understands that mitigation strategies might conflict. Please reach out to DWR staff to develop strategies to minimize impacts on wildlife while still achieving project goals. Your project is located in the following UDWR region(s):

DWR Region Full Name	Regional Phone	Impact Analysis Biologist	Email	Phone
Central Region	801-491-5678	Josee Seamons	jseamons@utah.gov	385-421-1277

Wildlife Action Plan

The [Utah Wildlife Action Plan](#) (UWAP) is Utah's guiding document for native species conservation. The DWR encourages parties to use the UWAP in their environmental planning, as it provides a conservation framework to prevent future listings under the ESA.

Disclaimer

The information provided in this report is based on data existing in the Utah Division of Wildlife Resources' central database at the time of the request. It should not be regarded as a final statement on the occurrence of any species on or near the designated site, nor should it be considered a substitute for on-the-ground biological surveys. Moreover, because the Utah Division of Wildlife Resources' central database is continually updated, any given response is only appropriate for its respective request.

The Utah DWR provides no warranty nor accepts any liability occurring from any incorrect, incomplete, or misleading data or from any incorrect, incomplete, or misleading use of these data.

The results include a query of species tracked by the Utah Natural Heritage Program and Utah Division of Wildlife Resources, which includes all species listed under the U.S. Endangered Species Act, species in the Utah Wildlife Action Plan, and other species. Other significant wildlife values might also be present on the designated site.

For additional information about species listed under the Endangered Species Act and their Critical Habitats that may be affected by activities in this area or for information about Section 7 consultation under the Endangered Species Act, please visit <https://ecos.fws.gov/ipac/> or contact the U.S. Fish and Wildlife Service Utah Ecological Services Field Office at (801) 975-3330 or utahfieldoffice_esa@fws.gov.

The "Not For Consultation" watermark is meant to inform users that this tool is not a substitute for the U.S. Fish and Wildlife Service (USFWS) environmental review process. While this tool provides courtesy information on ESA species for context, the U.S. Fish and Wildlife Service is the authority on Information for Planning and Consultation Endangered Species Act Reviews. Additionally, the Wildlife Habitat Analysis Tool provides information to assist in analysis but does not replace coordination and consultation with Utah Division of Wildlife Resource biologists who can often serve as an expert resource for site-specific information.

Supplemental Data

Unmapped Corridors

Unmodeled Corridors: Absent

Wildlife Habitat Information

Species	Season	Value	Comments
California Quail	year-long	crucial	
Hungarian Partridge	year-long	substantial	
Ruffed Grouse	year-long	substantial	

Species	Season	Value	Comments
Turkey	year-long	NA	
White-Tailed Jackrabbit	year-long		

Report Generated For

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Organization: HDR

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End of Report

Thank you for using the Utah Wildlife Habitat Analysis tool. Feel free to reach out to the department for additional information or assistance.

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