

Arizona Environmental Online Review Tool Report



Arizona Game and Fish Department Mission

To conserve Arizona's diverse wildlife resources and manage for safe, compatible outdoor recreation opportunities for current and future generations.

Project Name:

Mingus Area

Project Description:

PA/SI for a former non-documented dumping and wildcat target shooting range.

Project Type:

Hazardous Waste Cleanup, site remediation, and reclamation, Solid waste clean up (trash site clean up)

Contact Person:

Barbara Wethington

Organization:

Weston Solutions

On Behalf Of:

None Selected

Project ID:

HGIS-00142

Please review the entire report for project type and/or species recommendations for the location information entered. Please retain a copy for future reference.

Disclaimer:

1. This Environmental Review is based on the project study area that was entered. The report must be updated if the project study area, location, or the type of project changes.
2. This is a preliminary environmental screening tool. It is not a substitute for the potential knowledge gained by having a biologist conduct a field survey of the project area. This review is also not intended to replace environmental consultation (including federal consultation under the Endangered Species Act), land use permitting, or the Departments review of site-specific projects.
3. The Departments Heritage Data Management System (HDMS) data is not intended to include potential distribution of special status species. Arizona is large and diverse with plants, animals, and environmental conditions that are ever changing. Consequently, many areas may contain species that biologists do not know about or species previously noted in a particular area may no longer occur there. HDMS data contains information about species occurrences that have actually been reported to the Department. Not all of Arizona has been surveyed for special status species, and surveys that have been conducted have varied greatly in scope and intensity. Such surveys may reveal previously undocumented population of species of special concern.
4. HabiMap Arizona data, specifically Species of Greatest Conservation Need (SGCN) under our State Wildlife Action Plan (SWAP) and Species of Economic and Recreational Importance (SERI), represent potential species distribution models for the State of Arizona which are subject to ongoing change, modification and refinement. The status of a wildlife resource can change quickly, and the availability of new data will necessitate a refined assessment.

Locations Accuracy Disclaimer:

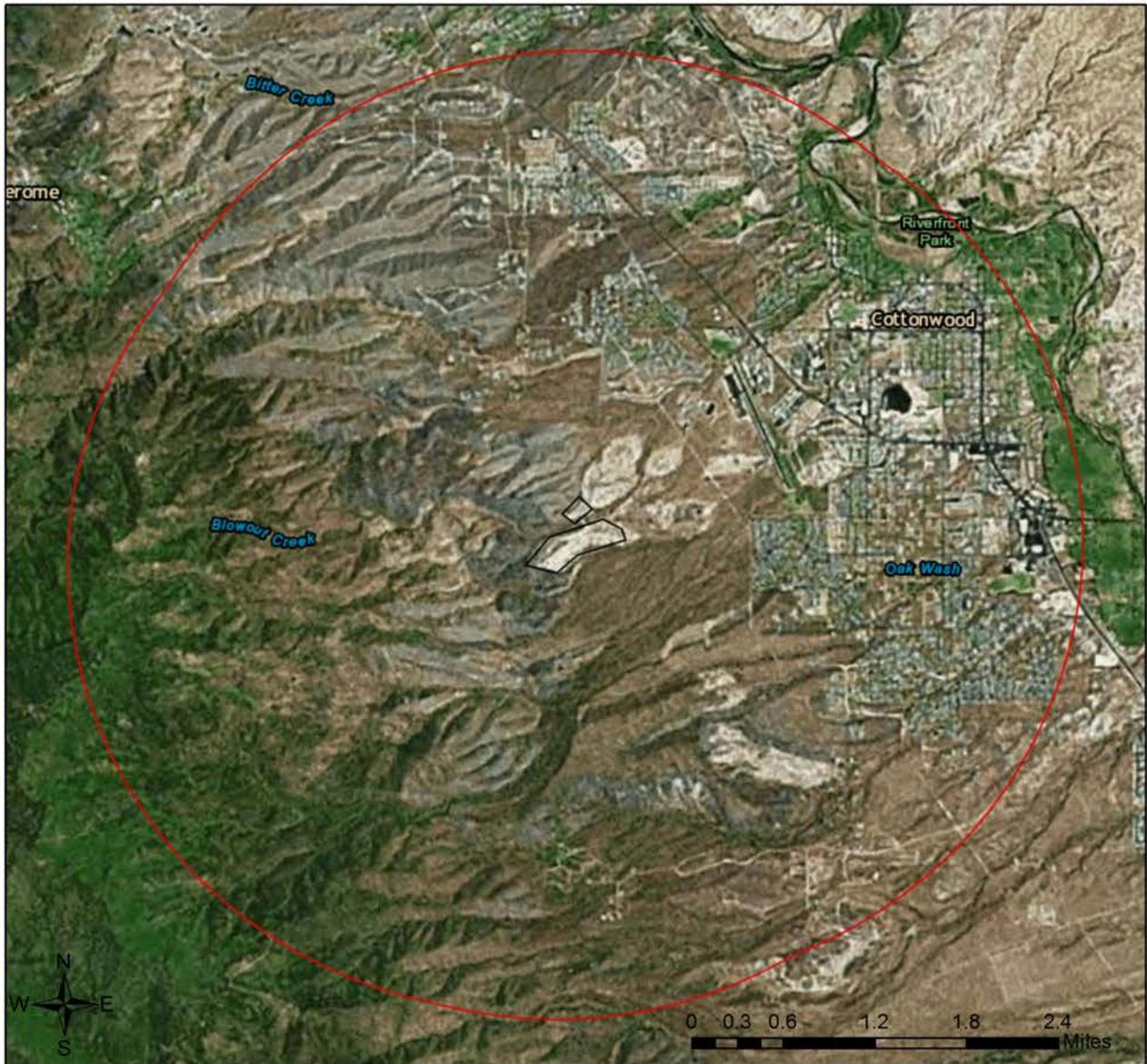
Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Report is solely responsible for the project location and thus the correctness of the Project Review Report content.

Recommendations Disclaimer:

1. The Department is interested in the conservation of all fish and wildlife resources, including those species listed in this report and those that may have not been documented within the project vicinity as well as other game and nongame wildlife.
2. Recommendations have been made by the Department, under authority of Arizona Revised Statutes Title 5 (Amusements and Sports), 17 (Game and Fish), and 28 (Transportation).
3. Potential impacts to fish and wildlife resources may be minimized or avoided by the recommendations generated from information submitted for your proposed project. These recommendations are preliminary in scope, designed to provide early considerations on all species of wildlife.
4. Making this information directly available does not substitute for the Department's review of project proposals, and should not decrease our opportunity to review and evaluate additional project information and/or new project proposals.
5. Further coordination with the Department requires the submittal of this Environmental Review Report with a cover letter and project plans or documentation that includes project narrative, acreage to be impacted, how construction or project activity(s) are to be accomplished, and project locality information (including site map). Once AGFD had received the information, please allow 30 days for completion of project reviews. Send requests to:
Project Evaluation Program, Habitat Branch
Arizona Game and Fish Department
5000 West Carefree Highway
Phoenix, Arizona 85086-5000
Phone Number: (623) 236-7600
Fax Number: (623) 236-7366
Or
PEP@azgfd.gov
6. Coordination may also be necessary under the National Environmental Policy Act (NEPA) and/or Endangered Species Act (ESA). Site specific recommendations may be proposed during further NEPA/ESA analysis or through coordination with affected agencies

Mingus Area

Aerial Image Basemap With Locator Map



- Project Boundary
- Buffered Project Boundary

Project Size (acres): 80.40

Lat/Long (DD): 34.7185 / -112.0561

County(s): Yavapai

AGFD Region(s): Kingman

Township/Range(s): T15N, R3E

USGS Quad(s): COTTONWOOD

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong),



Mingus Area

Web Map As Submitted By User



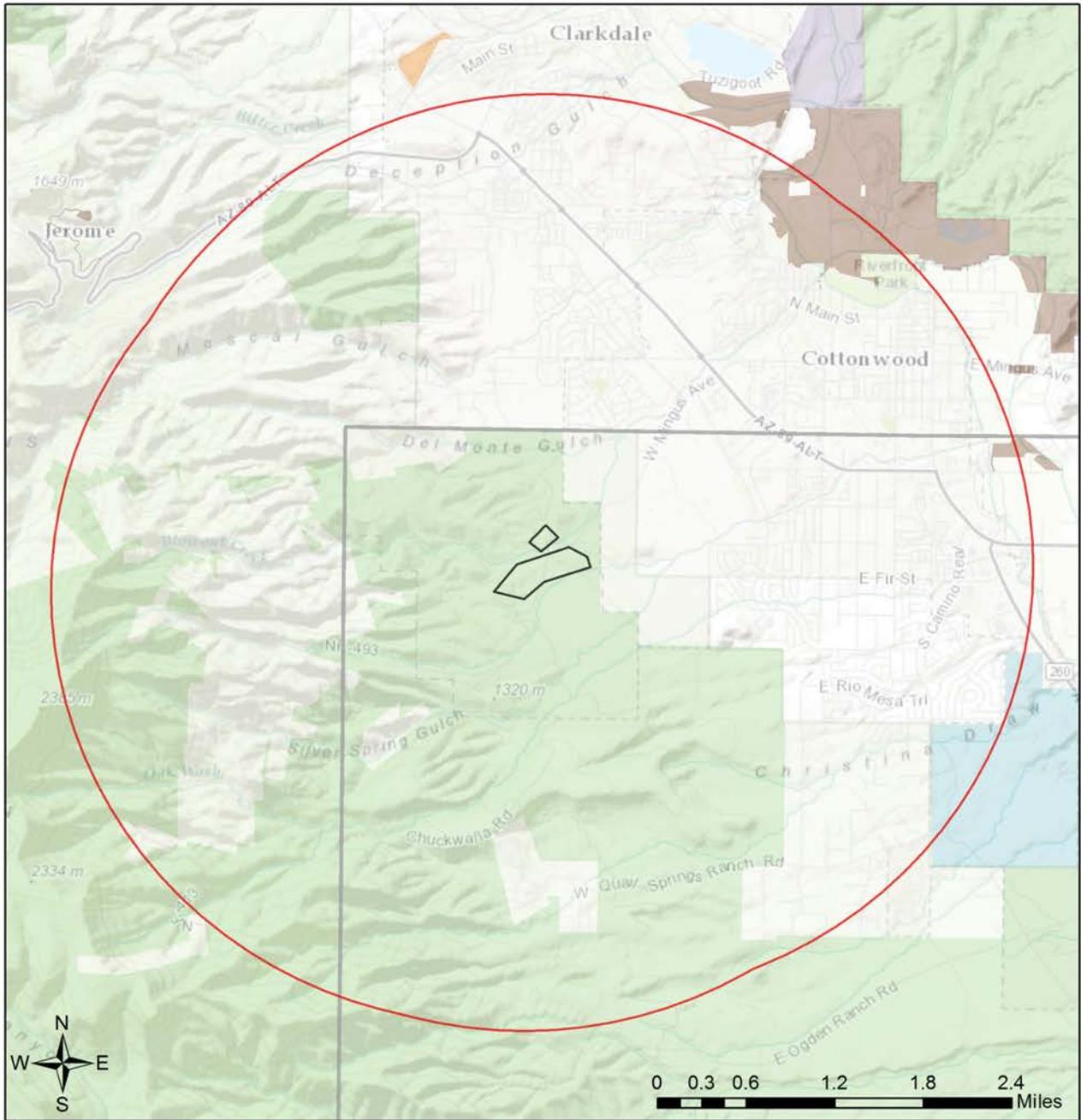
- Project Boundary
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Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Mingus Area

Topo Basemap With Township/Ranges and Land Ownership



- | | |
|---------------------------|--------------------------|
| Project Boundary | Mixed/Other |
| Buffered Project Boundary | National Park/Mon. |
| Township/Ranges | Private |
| AZ Game and Fish Dept. | State and Regional Parks |
| BLM | State Trust |
| BOR | US Forest Service |
| Indian Res. | Wildlife Area/Refuge |
| Military | |

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Special Status Species and Special Areas Documented within 3 Miles of Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	State	SGCN
Aquila chrysaetos	Golden Eagle	BGA		S		1B
CH for Empidonax traillii extimus	Southwestern willow flycatcher Designated Critical Habitat					
CH for Meda fulgida	Spikedace Designated Critical Habitat					
CH for Tiaroga cobitis	Loach minnow Designated Critical Habitat					
CH for Xyrauchen texanus	Razorback sucker Designated Critical Habitat					
Catostomus clarkii	Desert Sucker	SC	S	S		1B
Catostomus insignis	Sonora Sucker	SC	S	S		1B
Coccyzus americanus	Yellow-billed Cuckoo (Western DPS)	LT	S		WSC	1A
Empidonax traillii extimus	Southwestern Willow Flycatcher	LE			WSC	1A
Eremogone aberrans	Mt. Dellenbaugh Sandwort		S			
Gila robusta	Roundtail Chub	C*	S		WSC	1A
Haliaeetus leucocephalus (wintering pop.)	Bald Eagle - Winter Population	SC,BG A	S	S	WSC	1A
Haliaeetus leucocephalus pop. 3	Bald Eagle - Sonoran Desert Population	SC,BG A	S	S	WSC	1A
Heuchera eastwoodiae	Eastwood Alum Root		S			
Munds Mountain - Black Hills Linkage Design	Wildlife Corridor					
PCH for Coccyzus americanus	Yellow-billed Cuckoo Proposed Critical Habitat					
PCH for Thamnophis eques megalops	Northern Mexican gartersnake Proposed Critical Habitat					
PCH for Thamnophis rufipunctatus	Narrow-headed gartersnake Proposed Critical Habitat					
Ptychocheilus lucius	10J area for Colorado pikeminnow					
Thamnophis eques megalops	Northern Mexican Gartersnake	LT	S		WSC	1A
Tuzigoot	Important Bird Area					

Note: Status code definitions can be found at http://www.azgfd.gov/w_c/edits/hdms_status_definitions.shtml.

**Species of Greatest Conservation Need
 Predicted within Project Vicinity based on Predicted Range Models**

Scientific Name	Common Name	FWS	USFS	BLM	State	SGCN
Accipiter gentilis atricapillus	Northern Goshawk	SC	S		WSC	1B
Agosia chrysogaster	Longfin Dace	SC		S		1B
Aix sponsa	Wood Duck					1B
Ammospermophilus harrisi	Harris' Antelope Squirrel					1B
Anaxyrus microscaphus	Arizona Toad	SC				1B
Antilocapra americana americana	America Pronghorn					1B

**Species of Greatest Conservation Need
 Predicted within Project Vicinity based on Predicted Range Models**

Scientific Name	Common Name	FWS	USFS	BLM	State	SGCN
<i>Aquila chrysaetos</i>	Golden Eagle	BGA		S		1B
<i>Aspidoscelis flagellicauda</i>	Gila Spotted Whiptail					1B
<i>Botaurus lentiginosus</i>	American Bittern				WSC	1B
<i>Buteo regalis</i>	Ferruginous Hawk	SC		S	WSC	1B
<i>Castor canadensis</i>	American Beaver					1B
<i>Catostomus clarkii</i>	Desert Sucker	SC	S	S		1B
<i>Catostomus insignis</i>	Sonora Sucker	SC	S	S		1B
<i>Chordeiles minor</i>	Common Nighthawk					1B
<i>Coccythraustes vespertinus</i>	Evening Grosbeak					1B
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo (Western DPS)	LT	S		WSC	1A
<i>Colaptes chrysoides</i>	Gilded Flicker			S		1B
<i>Coluber bilineatus</i>	Sonoran Whipsnake					1B
<i>Corynorhinus townsendii pallescens</i>	Pale Townsend's Big-eared Bat	SC	S	S		1B
<i>Crotalus cerberus</i>	Arizona Black Rattlesnake					1B
<i>Cynomys gunnisoni</i>	Gunnison's Prairie Dog	SC		S		1B
<i>Empidonax traillii extimus</i>	Southwestern Willow Flycatcher	LE			WSC	1A
<i>Euderma maculatum</i>	Spotted Bat	SC	S	S	WSC	1B
<i>Eumops perotis californicus</i>	Greater Western Bonneted Bat	SC		S		1B
<i>Falco peregrinus anatum</i>	American Peregrine Falcon	SC	S	S	WSC	1A
<i>Gila robusta</i>	Roundtail Chub	C*	S		WSC	1A
<i>Gymnorhinus cyanocephalus</i>	Pinyon Jay			S		1B
<i>Haliaeetus leucocephalus</i>	Bald Eagle	SC, BGA	S	S	WSC	1A
<i>Heloderma suspectum</i>	Gila Monster					1A
<i>Idionycteris phyllotis</i>	Allen's Lappet-browed Bat	SC	S	S		1B
<i>Incilius alvarius</i>	Sonoran Desert Toad					1B
<i>Kinosternon sonoriense sonoriense</i>	Desert Mud Turtle			S		1B
<i>Lasiurus blossevillii</i>	Western Red Bat		S		WSC	1B
<i>Leopardus pardalis</i>	Ocelot	LE			WSC	1A
<i>Lithobates yavapaiensis</i>	Lowland Leopard Frog	SC	S	S	WSC	1A
<i>Lontra canadensis lataxina</i>	Southeastern River Otter					1B
<i>Lontra canadensis sonora</i>	Southwestern River Otter	SC			WSC	1B
<i>Meda fulgida</i>	Spikedace	LE			WSC	1A
<i>Melanerpes uropygialis</i>	Gila Woodpecker					1B
<i>Melospiza lincolni</i>	Lincoln's Sparrow					1B
<i>Melospiza aberti</i>	Abert's Towhee		S			1B
<i>Microtus mexicanus</i>	Mexican Vole					1B
<i>Mustela nigripes</i>	Black-footed Ferret	LE,XN			WSC	1A
<i>Myotis occultus</i>	Arizona Myotis	SC		S		1B

**Species of Greatest Conservation Need
 Predicted within Project Vicinity based on Predicted Range Models**

Scientific Name	Common Name	FWS	USFS	BLM	State	SGCN
<i>Myotis velifer</i>	Cave Myotis	SC		S		1B
<i>Myotis yumanensis</i>	Yuma Myotis	SC				1B
<i>Panthera onca</i>	Jaguar	LE			WSC	1A
<i>Passerculus sandwichensis</i>	Savannah Sparrow					1B
<i>Poeciliopsis occidentalis occidentalis</i>	Gila Topminnow	LE			WSC	1A
<i>Progne subis hesperia</i>	Desert Purple Martin			S		1B
<i>Ptychocheilus lucius</i>	Colorado Pikeminnow	LE,XN			WSC	1A
<i>Rhinichthys osculus</i>	Speckled Dace	SC		S		1B
<i>Sciurus arizonensis</i>	Arizona Gray Squirrel					1B
<i>Setophaga petechia</i>	Yellow Warbler					1B
<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	LT			WSC	1A
<i>Tadarida brasiliensis</i>	Brazilian Free-tailed Bat					1B
<i>Thamnophis eques megalops</i>	Northern Mexican Gartersnake	PT	S		WSC	1A
<i>Thamnophis rufipunctatus</i>	Narrow-headed Gartersnake	PT	S		WSC	1A
<i>Troglodytes pacificus</i>	Pacific Wren					1B
<i>Vireo bellii arizonae</i>	Arizona Bell's Vireo					1B
<i>Vulpes macrotis</i>	Kit Fox					1B
<i>Xyrauchen texanus</i>	Razorback Sucker	LE			WSC	1A

Species of Economic and Recreation Importance Predicted within Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	State	SGCN
<i>Antilocapra americana americana</i>	America Pronghorn					1B
<i>Callipepla gambelii</i>	Gambel's Quail					
<i>Cervus elaphus</i>	Elk					
<i>Odocoileus hemionus</i>	Mule Deer					
<i>Patagioenas fasciata</i>	Band-tailed Pigeon					1C
<i>Pecari tajacu</i>	Javelina					
<i>Puma concolor</i>	Mountain Lion					
<i>Sciurus aberti</i>	Abert's Squirrel					
<i>Ursus americanus</i>	American Black Bear					

Project Type: Hazardous Waste Cleanup, site remediation, and reclamation, Solid waste clean up (trash site clean up)

Project Type Recommendations:

Minimization and mitigation of impacts to wildlife and fish species due to changes in water quality, quantity, chemistry, temperature, and alteration to flow regimes (timing, magnitude, duration, and frequency of floods) should be evaluated. Minimize impacts to springs, in-stream flow, and consider irrigation improvements to decrease water use. If dredging is a project component, consider timing of the project in order to minimize impacts to spawning fish and other aquatic species (include spawning seasons), and to reduce spread of exotic invasive species. We recommend early direct coordination with Project Evaluation Program for projects that could impact water resources, wetlands, streams, springs, and/or riparian habitats.

Based on the project type entered, coordination with the Environmental Protection Agency may be required (<http://www.epa.gov/>).

Based on the project type entered, coordination with Arizona Department of Environmental Quality may be required (<http://www.azdeq.gov/>).

Project Location and/or Species Recommendations:

HDMS records indicate that one or more listed, proposed, or candidate species or Critical Habitat (Designated or Proposed) have been documented in the vicinity of your project. The Endangered Species Act (ESA) gives the US Fish and Wildlife Service (USFWS) regulatory authority over all federally listed species. Please contact USFWS Ecological Services Offices at <http://www.fws.gov/southwest/es/arizona/> or:

Phoenix Main Office
2321 W. Royal Palm Rd, Suite 103
Phoenix, AZ 85021
Phone: 602-242-0210
Fax: 602-242-2513

Tucson Sub-Office
201 N. Bonita Suite 141
Tucson, AZ 85745
Phone: 520-670-6144
Fax: 520-670-6155

Flagstaff Sub-Office
SW Forest Science Complex
2500 S. Pine Knoll Dr.
Flagstaff, AZ 86001
Phone: 928-556-2157
Fax: 928-556-2121

Analysis indicates that your project is located in the vicinity of an identified wildlife habitat linkage corridor. Project planning and implementation efforts should focus on maintaining adequate opportunities for wildlife permeability. For information pertaining to the linkage assessment and wildlife species that may be affected, please refer to: <http://www.corridordesign.org/arizona>. Please contact your local Arizona Game and Fish Department Regional Office for specific project recommendations: http://www.azgfd.gov/inside_azgfd/agency_directory.shtml.

The analysis has detected one or more Important Bird Areas within your project vicinity. Please see http://aziba.org/?page_id=38 for details about the Important Bird Area(s) identified in the report.

STATUS DEFINITIONS
ARIZONA GAME AND FISH DEPARTMENT (AGFD)
HERITAGE DATA MANAGEMENT SYSTEM (HDMS)

FEDERAL US STATUS

FWS US Fish and Wildlife Service

BGA Bald and Golden Eagle Protection Act

(<http://www.fws.gov/migratorybirds/baldeagle.htm>)

Prohibits take of bald and golden eagles without prior US Fish and Wildlife Service permit.

ESA Endangered Species Act (1973 as amended) (<http://www.fws.gov/southwest/es/arizona>)

US Department of Interior, Fish and Wildlife Service

Listed

LE Listed Endangered: imminent jeopardy of extinction.

LT Listed Threatened: imminent jeopardy of becoming Endangered.

PS Partial Status: listed Endangered or Threatened, but not in entire range.

XN Experimental Nonessential population.

PDL Proposed for delisting.

No Status: certain populations of this taxon do not have designated status (check with state or regional USFWS office for details about which populations have designated status).

SAT Listed Threatened due to Similarity of Appearance. This happens when a member of a non-listed population is found within the geographic area of a Distinct Population Segment for a listed species (e.g., a wintering bald eagle within the DPS for listed bald eagles).

Proposed for Listing

PE Proposed Endangered.

PT Proposed Threatened.

Candidate (Notice of Review: 2012)

(<http://www.fws.gov/endangered/what-we-do/cnor.html>)

C Candidate. Species for which the USFWS has on file sufficient information on biological vulnerability and threats to support proposals to list as Endangered or Threatened under ESA. Proposed rules for these species is precluded at present by other higher priority listing actions.

C* The Service identifies species for which they made a continued warranted-but-precluded finding on a resubmitted petition by the code “C*” in the category column. This code was put into use starting in 2008.

SC Species of Concern. The terms “Species of Concern” or “Species at Risk” should be considered as terms-of-art that describe the entire realm of taxa

whose conservation status may be of concern to the US Fish and Wildlife Service, but neither term has official status (currently includes all former C2 and delisted species).

Critical Habitat (check with state or regional USFWS office for location details)

Y Yes: Critical Habitat has been designated.

P Proposed: Critical Habitat has been proposed.

DPS Distinct Population Segment: a portion of a species' or subspecies' population or range. The DPS is generally described geographically. A DPS can apply to a Candidate or Listed or Proposed Species.

10(j) 10(j) Recovery Area: Under section 10(j), a population of a listed species re-established outside its current range, but within its probable historic range may be designated as "experimental" at the discretion of the Secretary of the Interior. The 10(j) recovery area is the geographic boundary established under Final Rule and may be larger than the actual occupied area or "primary recovery zone."

10(a)(1)(A) An experimental population currently managed under a 10(a)(1)(A) permit from the U.S. Fish and Wildlife Service. A 10(a)(1)(A) permit can be issued under the authority of section 10(a)(1)(A) of the Endangered Species Act "for scientific purposes or to enhance the propagation or survival of the affected species including, but not limited to, acts necessary for the establishment and maintenance of experimental populations." The 10(a)(1)(A) recovery area is a geographic boundary and may be larger than the actual occupied area.

USFS US Forest Service (2007 Animals, 2007 Plants)

US Department of Agriculture, Forest Service, Region 3
(<http://www.fs.usda.gov/main/r3/plants-animals>)

S Sensitive: those taxa occurring on National Forests in Arizona which are considered sensitive by the Regional Forester.

BLM US Bureau of Land Management (2008 Animals, 2008 Plants)

US Department of Interior, Bureau of Land Management, Arizona State Office
(<http://www.blm.gov/az/st/en/prog/wildlife.html>)

S Sensitive: those taxa occurring on BLM Field Office Lands in Arizona which are considered sensitive by the Arizona State Office.

P Population: only those populations of Banded Gila monster (*Heloderma suspectum cinctum*) that occur north and west of the Colorado River are considered sensitive by the Arizona State Office.

TRIBAL STATUS

NESL Navajo Endangered Species List (2008)

Navajo Nation, Navajo Fish and Wildlife Department (<http://nnhp.nndfw.org/>)

The Navajo Endangered Species List contains taxa with status from the entire Navajo Nation which includes parts of Arizona, Utah, and New Mexico. In this notebook we provide NESL status for only those taxa whose distribution includes part or all of the Arizona portion of the Navajo Nation.

Groups

- 1** Those species or subspecies that no longer occur on the Navajo Nation.
- 2** Any species or subspecies which is in danger of being eliminated from all or a significant portion of its range on the Navajo Nation.
- 3** Any species or subspecies which is likely to become an endangered species, within the foreseeable future, throughout all or a significant portion of its range on the Navajo Nation.
- 4** Any species or subspecies for which the Navajo Fish and Wildlife Department (NF&WD) does not currently have sufficient information to support their being listed in Group 2 or Group 3 but has reason to consider them. The NF&WD will actively seek information on these species to determine if they warrant inclusion in a different group or removal from the list.

MEXICAN STATUS

MEX Mexican Federal Endangered Species List (December 30, 2010)

Proyecto de Norma Oficial Mexicana PROY-NOM-059-ECOL-2010

The Mexican Federal Endangered Species List contains taxa with status from the entire Mexican Republic and waters under its jurisdiction. In this notebook we provide MEX designations for only those taxa occurring in Arizona and also in Mexico.

- P** En Peligro de Extinción (Determined Endangered in Mexico): in danger of extinction.
- A** Amenazada (Determined Threatened in Mexico): could become endangered if factors causing habitat deterioration or population decline continue.
- Pr** Sujeta a Protección Especial (Determined Subject to Special Protection in Mexico): utilization limited due to reduced populations, restricted distribution, or to favor recovery and conservation of the taxon or associated taxa.
- E** Probablemente extinta en el medio silvestre (Probably extinct in the wild of Mexico): A native species whose individuals in the wild have disappeared, based on pertinent documentation and studies that prove it. The only existing individuals of the species are in captivity or outside the Mexican territory.
- []** One or more subspecies of this species has status in Mexico, but the HDMS does not track it at the subspecies level (most of these subspecies are endemic to Mexico).

Please consult the NORMA Oficial Mexicana PROY-NOM-059-ECOL-2000 for details.]

STATE STATUS

ADA Arizona Department of Agriculture

NPL Arizona Native Plant Law (2008)

Arizona Department of Agriculture (<http://www.azda.gov/ESD/protplantlist.aspx>)

- HS** Highly Safeguarded: no collection allowed.
- SR** Salvage Restricted: collection only with permit.
- ER** Export Restricted: transport out of State prohibited.
- SA** Salvage Assessed: permits required to remove live trees.
- HR** Harvest Restricted: permits required to remove plant by-products.

AGFD Arizona Game and Fish Department

WSC Wildlife of Special Concern in Arizona (in prep)

Arizona Game and Fish Department

WSC Wildlife of Special Concern in Arizona. Species whose occurrence in Arizona is or may be in jeopardy, or with known or perceived threats or population declines, as described by the Arizona Game and Fish Department's listing of Wildlife of Special Concern in Arizona (WSCA, in prep). Species indicated on printouts as WSC are currently the same as those in **Threatened Native Wildlife in Arizona** (1988).

SGCN Species of Greatest Conservation Need (2012)

(http://www.azgfd.gov/w_c/swap.shtml)

Arizona Game and Fish Department. 2012. Arizona's State Wildlife Action Plan: 2012-2022. Arizona Game and Fish Department, Phoenix, Arizona.

Each species in the SGCN list was scored for each of the following vulnerability criteria. If a species ranked as "vulnerable" (i.e., score = "1") under one or more of the vulnerability criteria it was included in the SGCN. Ranks were not additive. The rank was based on the following criteria:

- Extirpated from Arizona
- Federal or State status
- Declining status
- Disjunct status
- Demographic status
- Concentration status

Fragmentation status
Distribution status

Tiers

The list of SGCN was further categorized into three tiers reflecting the Department's management commitments and priorities; tiers were ranked as follows:

Tier 1A: Scored "1" for Vulnerability in at least one of the eight categories and matches at least one of the following:

- Federally listed as endangered or threatened under the Endangered Species Act (ESA).
- Candidate species under ESA.
- Is specifically covered under a signed conservation agreement (CCA) or a signed conservation agreement with assurances (CCAA).
- Recently removed from ESA and currently requires post-delisting monitoring.
- Closed season species (i.e., no take permitted) as identified in Arizona Game and Fish Commission Orders 40, 41, 42 or 43.

Tier 1B: Scored "1" for Vulnerability in at least one of the eight categories, but match none of the above criteria.

Tier 1C: Unknown status species. Scored "0" for Vulnerability in one of the eight categories, meaning there are no data with which to address one or more categories, and vulnerability status cannot be assessed. These species are those for which we are unable to assess status, and thus represent priority research and information needs. As more information becomes available, their tier status will be re-evaluated