

BIOLOGICAL RESOURCES SUPPORTING DOCUMENT

THIS PAGE INTENTIONALLY LEFT BLANK

USFWS General Scoping Letter



**DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER
JOINT BASE SAN ANTONIO LACKLAND TEXAS**

May 7, 2024

Mr. Nicolas Post
Air Force Civil Engineer Center NEPA Division (AFCEC/CIEE)
2261 Hughes Ave, Suite 155
Lackland AFB TX 78235-9853

Arizona Ecological Services Field Office
U.S. Department of the Interior Fish and Wildlife Service
9828 N 31st Ave., #C3
Phoenix, AZ 85051

Dear Sir/Madam,

The United States Department of the Air Force (DAF) is preparing an Environmental Impact Statement (EIS) to analyze the potential environmental consequences that could result from the 492nd Special Operations Wing (492 SOW) Beddown at Davis-Monthan Air Force Base (DMAFB), Arizona.

The Proposed Action analyzed in this EIS addresses several programmatic basing actions associated with DMAFB, Air Force Special Operations Command (AFSOC), and Air Combat Command (ACC). The programmatic basing actions include the beddown of the 492 SOW, activation of an ACC Intelligence Squadron, and the transfer of Special Tactics and Special Operations Theater Air Operations Squadrons to DMAFB. The EIS will also analyze the retirement of A-10 aircraft from DMAFB.

The DAF will host public scoping meetings in the DMAFB local area. The dates, times, and locations of the scoping meetings are on the website listed below. The purpose of the meetings and the scoping period is to solicit comments to help effectively define the full range of environmental issues to be analyzed in the EIS. Written comments provided to the DAF during the scoping period will be considered in the preparation of the Draft EIS. Additional information can be found on the project website at www.492sow-beddown-eis.com.

Please provide any comments by June 14, 2024, in writing to Mr. Nicolas Post, U.S. Air Force Civil Engineer Center, AFCEC/CIEE; 13397 Lakefront Drive; Suite 100 Earth City, MO 63045 or submit them via the project website. We appreciate your participation and input on this action.

Sincerely

A handwritten signature in blue ink, reading "Nicolas Post", is located below the word "Sincerely".

Nicolas Post, GS-13, DAF
Program Manager, NEPA Division

USFWS IPAC Reports

 <p>United States Department of the Interior FISH AND WILDLIFE SERVICE Arizona Ecological Services Field Office 9828 North 31st Ave #c3 Phoenix, AZ 85051-2517 Phone: (602) 242-0210 Fax: (602) 242-2513</p>	<p>Project code: 2024-0082225 04/25/2024 19:35:28 UTC</p>
<p>In Reply Refer To: 04/25/2024 19:35:28 UTC Project Code: 2024-0082225 Project Name: 492nd Special Operations Wing Beddown - Davis-Monthan AFB</p>	<p>or habitat segment may be affected. The effects analysis should include the entire action area, which often extends well outside the project boundary or "footprint." For example, projects that involve streams and river systems should consider downstream affects. If the Federal action agency determines that the action may jeopardize a proposed species or may adversely modify proposed critical habitat, the agency must enter into a section 7 conference. The agency may choose to confer with us on an action that may affect proposed species or critical habitat.</p>
<p>Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project</p>	<p>Candidate species are those for which there is sufficient information to support a proposal for listing. Although candidate species have no legal protection under the Act, we recommend that they be considered in the planning process in the event they become proposed or listed prior to project completion. More information on the regulations (50 CFR 402) and procedures for section 7 consultation, including the role of permit or license applicants, can be found in our Endangered Species Consultation Handbook at: https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf.</p>
<p>To Whom It May Concern:</p> <p>The Fish and Wildlife Service (Service) is providing this list under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 <i>et seq.</i>). The list you have generated identifies threatened, endangered, proposed, and candidate species, and designated and proposed critical habitat, that may occur within the One-Range that has been delineated for the species (candidate, proposed, or listed) and it's critical habitat (designated or proposed) with which your project polygon intersects. These range delineations are based on biological metrics, and do not necessarily represent exactly where the species is located. Please refer to the species information found on ECOS to determine if suitable habitat for the species on your list occurs in your project area.</p>	<p>We also advise you to consider species protected under the Migratory Bird Treaty Act (MBTA) (16 U.S.C. 703-712) and the Bald and Golden Eagle Protection Act (Eagle Act) (16 U.S.C. 668 <i>et seq.</i>). The MBTA prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when authorized by the Service. The Eagle Act prohibits anyone, without a permit, from taking (including disturbing) eagles, and their parts, nests, or eggs. Currently 1,026 species of birds are protected by the MBTA, including the western burrowing owl (<i>Athene cucularia hypugaea</i>). Protected western burrowing owls can be found in urban areas and may use their nest/burrows year-round; destruction of the burrow may result in the unpermitted take of the owl or their eggs.</p>
<p>The purpose of the Act is to provide a means whereby threatened and endangered species and the habitats 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 <i>et seq.</i>), Federal agencies are required to utilize their authorities to carry out programs for the conservation of Federal trust resources and to determine whether projects may affect federally listed 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.</p> <p>If the Federal action agency determines that listed species or critical habitat may be affected by a federally funded, permitted or authorized activity, the agency must consult with us pursuant to 50 CFR 402. Note that a "may affect" determination includes effects that may not be adverse and that may be beneficial, insignificant, or discountable. An effect exists even if only one individual</p>	<p>If a bald eagle or golden eagle nest occurs in or near the proposed project area, our office should be contacted for Technical Assistance. An evaluation must be performed to determine whether the project is likely to disturb or harm eagles. The National Bald Eagle Management Guidelines provide recommendations to minimize potential project impacts to bald eagles (see https://www.fws.gov/law/bald-and-golden-eagle-protection-act and https://www.fws.gov/program/eagle-management).</p>
	<p>The Division of Migratory Birds (505/248-7882) administers and issues permits under the MBTA and Eagle Act, while our office can provide guidance and Technical Assistance. For more information regarding the MBTA, BGEPA, and permitting processes, please visit the following web site: https://www.fws.gov/program/migratory-bird-permit. Guidance for minimizing impacts to migratory birds for communication tower projects (e.g. cellular, digital television, radio, and emergency broadcast) can be found at https://www.fws.gov/media/recommended-best-practices-communication-tower-design-siting-construction-operation.</p>
	<p>The U.S. Army Corps of Engineers (Corps) may regulate activities that involve streams (including some intermittent streams) and/or wetlands. We recommend that you contact the Corps to determine their interest in proposed projects in these areas. For activities within a National Wildlife Refuge, we recommend that you contact refuge staff for specific information about refuge resources, please visit this link or visit https://www.fws.gov/program/national-</p>
<p>2 of 15</p>	

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Project code: 2024-0082225

04/25/2024 19:35:28 UTC

[wildlife-refuge-system](#) to locate the refuge you would be working in or around.

If your action is on tribal land or has implications for off-reservation tribal interests, we encourage you to contact the tribe(s) and the Bureau of Indian Affairs (BIA) to discuss potential tribal concerns, and to invite any affected tribe and the BIA to participate in the section 7 consultation. In keeping with our tribal trust responsibility, we will notify tribes that may be affected by proposed actions when section 7 consultation is initiated. For more information, please contact our Tribal Coordinator, John Nystedt, at 928/556-2160 or John.Nystedt@fws.gov.

We also recommend you seek additional information and coordinate your project with the Arizona Game and Fish Department. Information on known species detections, special status species, and Arizona species of greatest conservation need, such as the western burrowing owl and the Sonoran desert tortoise (*Gopherus morafkai*) can be found by using their Online Environmental Review Tool, administered through the Heritage Data Management System and Project Evaluation Program (<https://www.azgfd.com/wildlife-conservation/planning-for-wildlife/project-evaluation-program/>).

We appreciate your concern for threatened and endangered species. 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. If we may be of further assistance, please contact our Flagstaff office at 928/556-2118 for projects in northern Arizona, our general Phoenix number 602/242-0210 for central Arizona, or 520/670-6144 for projects in southern Arizona.

Sincerely,
/s/

Heather Whitlaw
Field Supervisor
Attachment

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

3 of 15

Project code: 2024-0082225

04/25/2024 19:35:28 UTC

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:

Arizona Ecological Services Field Office
9828 North 31st Ave
#c3
Phoenix, AZ 85051-2517
(602) 242-0210

4 of 15

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0082225

04/25/2024 19:35:28 UTC

PROJECT SUMMARY

Project Code: 2024-0082225

Project Name: 492nd Special Operations Wing Beddown - Davis-Monthan AFB

Project Type: Military Operations

Project Description: The United States (U.S.) Department of the Air Force (DAF) is proposing to transform the 492nd Special Operations Wing (492 SOW) into the Air Force Special Operations Command (AFSOC) third Power Projection Wing (PPW) at Davis-Monthan Air Force Base (AFB), Arizona. AFSOC's third PPW would include the 492 SOW, the 6th and 319th Special Operations Squadrons, an MC-130J squadron, activation of an Intelligence Squadron (IS) as a geographically separated unit under the Air Combat Command (ACC) 361st Intelligence, Surveillance, and Reconnaissance Group (361 ISRG), and Special Tactics and Special Operations Theater Air Operations Squadrons. Throughout this document, all these units are included in the phrase "492 SOW Beddown." The 492 SOW Beddown would include both OA-1K and MC-130J aircraft.

In 2021, as the DAF announced its plans to replace the Air Expeditionary Force deployment model with the Air Force Force Generation model, AFSOC moved to build a force structure that can sustainably and predictably generate combat forces. Squadrons would cycle through four phases that would cover a 24 month period: Individual, Unit, Joint, and Collective phases. These four phases provide a sustainable force of Airmen and airpower.

The 2022 National Defense Strategy (NDS) resulted in DAF/AFSOC focusing on the need for an additional PPW in the western United States. As part of the strategic basing process, AFSOC conducted an enterprise-wide assessment of DAF installations to identify candidate locations for a PPW. With the adoption of the fiscal year (FY) 2023 Presidential Budget and passing of the FY 2024 National Defense Authorization Act, the decision to retire A-10 aircraft was announced. With the planned A-10 retirement, AFSOC's focus turned to western Continental United States A-10 locations that had available facilities and ramp space, proximity to air-to-ground ranges, airspace availability, and synergies with existing rescue and fighter missions. On August 2, 2023, the DAF announced Davis-Monthan AFB, Arizona as the preferred location to host AFSOC's third PPW.

Retirement of A-10s is planned to occur in multiple phases at Davis-Monthan AFB. Phase 1 includes the retirement of all A-10 aircraft associated with the 354th Fighter Squadron (FS) and a portion of the A-10s associated with the 357 FS. These actions are analyzed in the

5 of 15

Project code: 2024-0082225

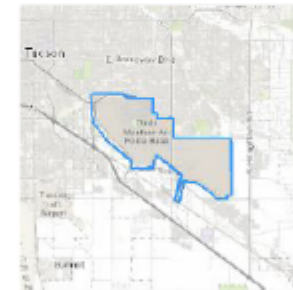
04/25/2024 19:35:28 UTC

Environmental Assessment (EA) for the Fourth Generation Missions Regional Realignment ("Realignment EA") (DAF, 2024). A Finding of No Significant Impact for the Realignment EA was signed on 2024. Results of the planned Phase 2 retirement, which includes retirement of the remaining A-10s are reflected in this EIS. The Phase 2 retirement of A-10s has been announced as part of the FY 2025 Presidential Budget.

The 492 SOW Beddown at Davis-Monthan AFB is planned to occur throughout the next 6 years. Retirement of the 47 FS Formal Training Unit and associated A-10 aircraft from Davis-Monthan AFB is dependent upon the eventual retirement of A-10 aircraft across the United States. For the purposes of the analysis in this EIS, it is assumed that this retirement would occur by the end of FY 2026. However, the past announced potential retirements of the A-10 have seen many delays and postponements due to world events and resulting military needs, therefore, as a practical matter, this date and other dates for the overall A-10 retirement are subject to change.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.15664045,-110.88956401094639,14z>



Counties: Pima County, Arizona

6 of 15

Project code: 2024-0082225

04/25/2024 19:35:28 UTC

ENDANGERED SPECIES ACT SPECIES

There is a total of 11 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.

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.

7 of 15

Project code: 2024-0082225

04/25/2024 19:35:28 UTC

MAMMALS

NAME	STATUS
Ocelot <i>Leopardus (=Felis) pardalis</i>	Endangered
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4474	

BIRDS

NAME	STATUS
Cactus Ferruginous Pygmy-owl <i>Glaucidium brasilianum cactorum</i>	Threatened
There is final critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/1225	
California Least Tern <i>Sternula antillarum browni</i>	Endangered
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8104	
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	

REPTILES

NAME	STATUS
Sonoyta Mud Turtle <i>Kinosternon sonoriense longifemorale</i>	Endangered
There is final critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/7226	

FISHES

NAME	STATUS
Gila Chub <i>Gila intermedia</i>	Endangered
There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/51	
Gila Topminnow (incl. Yaqui) <i>Poeciliopsis occidentalis</i>	Endangered
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1115	

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i>	Candidate
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5743	

FLOWERING PLANTS

8 of 15

Project code: 2024-0082225 04/25/2024 19:35:28 UTC		Project code: 2024-0082225 04/25/2024 19:35:28 UTC									
<table border="1"><thead><tr><th>NAME</th><th>STATUS</th></tr></thead><tbody><tr><td>Arizona Eryngo <i>Eryngium sparganophyllum</i> Population: There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/10705</td><td>Endangered</td></tr><tr><td>Huachuca Water-umbel <i>Lilacopsis schaffneriana</i> var. <i>recurva</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1201</td><td>Endangered</td></tr><tr><td>Pima Pineapple Cactus <i>Coryphantha scheeri</i> var. <i>robustispina</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4919</td><td>Endangered</td></tr></tbody></table>		NAME	STATUS	Arizona Eryngo <i>Eryngium sparganophyllum</i> Population: There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/10705	Endangered	Huachuca Water-umbel <i>Lilacopsis schaffneriana</i> var. <i>recurva</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1201	Endangered	Pima Pineapple Cactus <i>Coryphantha scheeri</i> var. <i>robustispina</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4919	Endangered		
NAME	STATUS										
Arizona Eryngo <i>Eryngium sparganophyllum</i> Population: There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/10705	Endangered										
Huachuca Water-umbel <i>Lilacopsis schaffneriana</i> var. <i>recurva</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1201	Endangered										
Pima Pineapple Cactus <i>Coryphantha scheeri</i> var. <i>robustispina</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4919	Endangered										
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.											
USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns. THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.											
BALD & GOLDEN EAGLES Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act ¹ and the Migratory Bird Treaty Act ² . Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats ³ , should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles" . <ol style="list-style-type: none">1. The Bald and Golden Eagle Protection Act of 1940.2. The Migratory Birds Treaty Act of 1918.3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)											
		<p>There are likely bald eagles present in your project area. For additional information on bald eagles, refer to Bald Eagle Nesting and Sensitivity to Human Activity</p> <p>For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.</p> <table border="1"><thead><tr><th>NAME</th><th>BREEDING SEASON</th></tr></thead><tbody><tr><td>Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626</td><td>Breeds Oct 15 to Aug 31</td></tr><tr><td>Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1600</td><td>Breeds Dec 1 to Aug 31</td></tr></tbody></table>		NAME	BREEDING SEASON	Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31	Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1600	Breeds Dec 1 to Aug 31		
NAME	BREEDING SEASON										
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31										
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1600	Breeds Dec 1 to Aug 31										
		PROBABILITY OF PRESENCE SUMMARY The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles" , specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report. Probability of Presence (■) Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year. Breeding Season (■) Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range. Survey Effort () Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. No Data (—) A week is marked as having no data if there were no survey events for that week. <div>■ probability of presence ■ breeding season survey effort — no data</div>									
9 of 15		10 of 15									

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Project code: 2024-0082225

04/25/2024 19:35:20 UTC

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Bald Eagle Non BCC Vulnerable												
Golden Eagle Non BCC Vulnerable												

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

- The [Migratory Birds Treaty Act](#) of 1918.
- The [Bald and Golden Eagle Protection Act](#) of 1940.
- 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

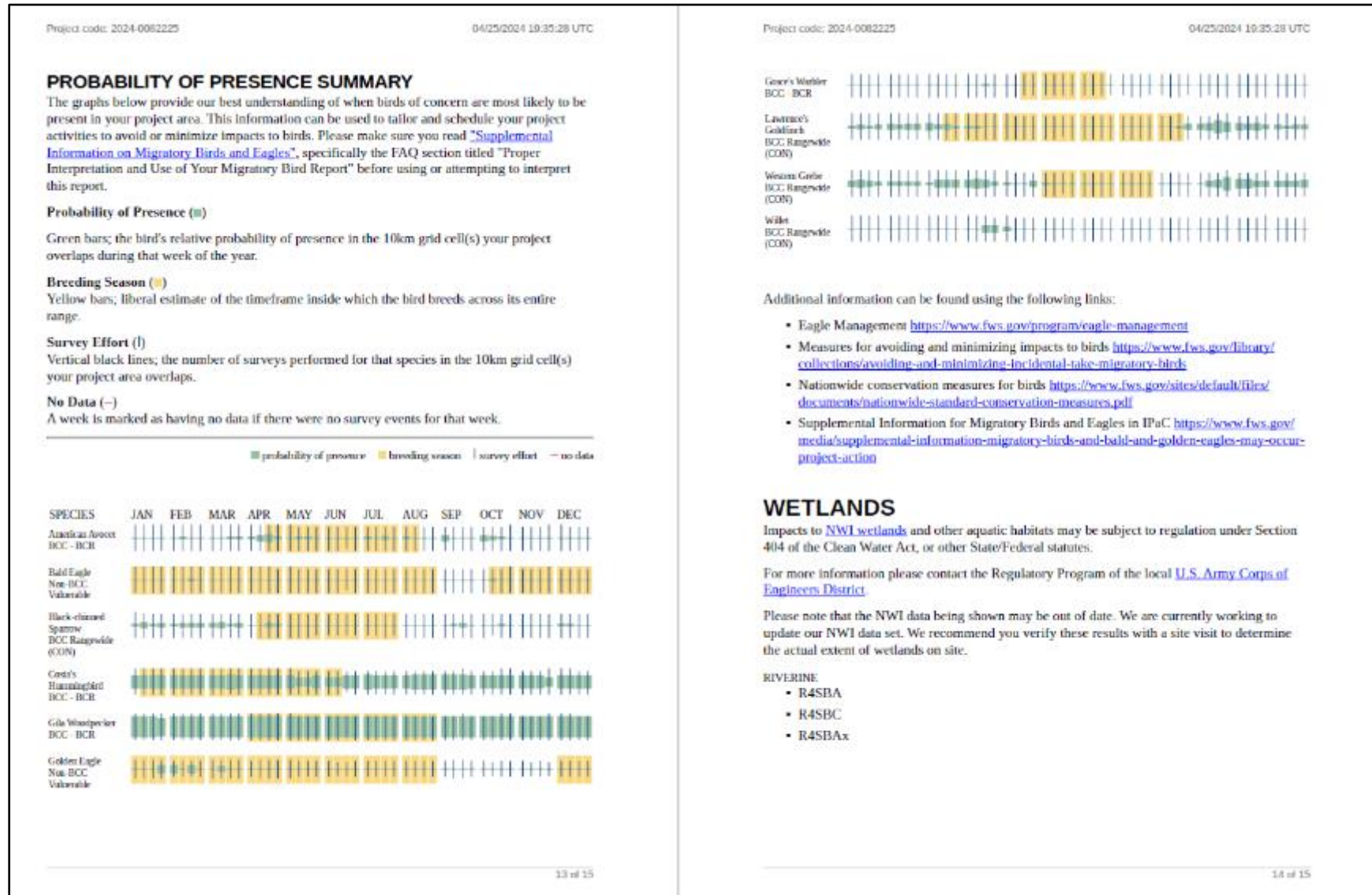
Project code: 2024-0082225

04/25/2024 19:35:20 UTC

NAME	BREEDING SEASON
American Avocet <i>Recurvirostra americana</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11927	Breeds Apr 21 to Aug 10
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31
Black-chinned Sparrow <i>Spizella atrogularis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2447	Breeds Apr 15 to Jul 31
Costa's Hummingbird <i>Calypte costae</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/2470	Breeds Jan 15 to Jun 10
Gila Woodpecker <i>Melanerpes uropygialis</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/2960	Breeds Apr 1 to Aug 31
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1630	Breeds Dec 1 to Aug 31
Grace's Warbler <i>Setophaga graciae</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/2514	Breeds May 20 to Jul 20
Lawrence's Goldfinch <i>Spinus lawrencei</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2464	Breeds Mar 20 to Sep 20
Western Grebe <i>aechmophorus occidentalis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/6743	Breeds Jun 1 to Aug 31
Willet <i>Tringa semipalmata</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10609	Breeds elsewhere

11 of 15

12 of 15



Project code: 2024-0082225

04/25/2024 19:35:28 UTC

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: amanda anderson
Address: 8081 Innovation Park Drive
City: Baton Rouge
State: LA
Zip: 70506
Email: aanderson@gsrsrcorp.com
Phone: 2257578088

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Air Force

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Arizona Ecological Services Field Office
9828 North 31st Ave
#c3
Phoenix, AZ 85051-2517
Phone: (602) 242-0210 Fax: (602) 242-2513



In Reply Refer To: 08/13/2024 15:36:41 UTC
Project Code: 2024-0129675
Project Name: NATURAL RESOURCES SUPPORT ON THE AFSOC BASING AND
BEDDOWN ENVIRONMENTAL IMPACT STATEMENT AT DM AFB

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 Fish and Wildlife Service (Service) is providing this list under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). The list you have generated identifies threatened, endangered, proposed, and candidate species, and designated and proposed critical habitat, that *may* occur within the One-Range that has been delineated for the species (candidate, proposed, or listed) and it's critical habitat (designated or proposed) with which your project polygon intersects. These range delineations are based on biological metrics, and do not necessarily represent exactly where the species is located. Please refer to the species information found on ECOS to determine if suitable habitat for the species on your list occurs in your project area.

The purpose of the Act is to provide a means whereby threatened and endangered species and the habitats 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 Federal trust resources and to determine whether projects may affect federally listed 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 the Federal action agency determines that listed species or critical habitat *may be affected* by a federally funded, permitted or authorized activity, the agency must consult with us pursuant to 50 CFR 402. Note that a "may affect" determination includes effects that may not be adverse and

that may be beneficial, insignificant, or discountable. An effect exists even if only one individual or habitat segment may be affected. The effects analysis should include the entire action area, which often extends well outside the project boundary or "footprint." For example, projects that involve streams and river systems should consider downstream affects. If the Federal action agency determines that the action may jeopardize a *proposed* species or may adversely modify *proposed* critical habitat, the agency must enter into a section 7 conference. The agency may choose to confer with us on an action that may affect proposed species or critical habitat.

Candidate species are those for which there is sufficient information to support a proposal for listing. Although candidate species have no legal protection under the Act, we recommend that they be considered in the planning process in the event they become proposed or listed prior to project completion. More information on the regulations (50 CFR 402) and procedures for section 7 consultation, including the role of permit or license applicants, can be found in our Endangered Species Consultation Handbook at: <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>.

We also advise you to consider species protected under the Migratory Bird Treaty Act (MBTA) (16 U.S.C. 703-712) and the Bald and Golden Eagle Protection Act (Eagle Act) (16 U.S.C. 668 *et seq.*). The MBTA prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when authorized by the Service. The Eagle Act prohibits anyone, without a permit, from taking (including disturbing) eagles, and their parts, nests, or eggs. Currently 1,026 species of birds are protected by the MBTA, including the western burrowing owl (*Athene cunicularia hypugaea*). Protected western burrowing owls can be found in urban areas and may use their nest/burrows year-round; destruction of the burrow may result in the unpermitted take of the owl or their eggs.

If a bald eagle or golden eagle nest occurs in or near the proposed project area, our office should be contacted for Technical Assistance. An evaluation must be performed to determine whether the project is likely to disturb or harm eagles. The National Bald Eagle Management Guidelines provide recommendations to minimize potential project impacts to bald eagles (see <https://www.fws.gov/law/bald-and-golden-eagle-protection-act> and <https://www.fws.gov/program/eagle-management>).

The Division of Migratory Birds (505/248-7882) administers and issues permits under the MBTA and Eagle Act, while our office can provide guidance and Technical Assistance. For more information regarding the MBTA, BGEPA, and permitting processes, please visit the following web site: <https://www.fws.gov/program/migratory-bird-permit>. Guidance for minimizing impacts to migratory birds for communication tower projects (e.g. cellular, digital television, radio, and emergency broadcast) can be found at <https://www.fws.gov/media/recommended-best-practices-communication-tower-design-siting-construction-operation>.

The U.S. Army Corps of Engineers (Corps) may regulate activities that involve streams (including some intermittent streams) and/or wetlands. We recommend that you contact the Corps to determine their interest in proposed projects in these areas. For activities within a National Wildlife Refuge, we recommend that you contact refuge staff for specific information

2 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

about refuge resources, please visit [this link](#) or visit <https://www.fws.gov/program/national-wildlife-refuge-system> to locate the refuge you would be working in or around.

If your action is on tribal land or has implications for off-reservation tribal interests, we encourage you to contact the tribe(s) and the Bureau of Indian Affairs (BIA) to discuss potential tribal concerns, and to invite any affected tribe and the BIA to participate in the section 7 consultation. In keeping with our tribal trust responsibility, we will notify tribes that may be affected by proposed actions when section 7 consultation is initiated. For more information, please contact our Tribal Coordinator, John Nystedt, at 928/556-2160 or John.Nystedt@fws.gov.

We also recommend you seek additional information and coordinate your project with the Arizona Game and Fish Department. Information on known species detections, special status species, and Arizona species of greatest conservation need, such as the western burrowing owl and the Sonoran desert tortoise (*Gopherus morafkai*) can be found by using their Online Environmental Review Tool, administered through the Heritage Data Management System and Project Evaluation Program (<https://www.azgfd.com/wildlife-conservation/planning-for-wildlife/project-evaluation-program/>).

We appreciate your concern for threatened and endangered species. 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. If we may be of further assistance, please contact our Flagstaff office at 928/556-2118 for projects in northern Arizona, our general Phoenix number 602/242-0210 for central Arizona, or 520/670-6144 for projects in southern Arizona.

Sincerely,
/s/

Heather Whitlaw
Field Supervisor
Attachment

Note: IPaC has provided all available attachments because this project is in multiple field office jurisdictions.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

3 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

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:

Arizona Ecological Services Field Office
9828 North 31st Ave
#c3
Phoenix, AZ 85051-2517
(602) 242-0210

This project's location is within the jurisdiction of multiple offices. However, only one species list document will be provided for all offices. The species and critical habitats in this document reflect the aggregation of those that fall in each of the affiliated office's jurisdiction. Other offices affiliated with the project:

New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
(505) 346-2525

4 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

PROJECT SUMMARY

Project Code: 2024-0129675

Project Name: NATURAL RESOURCES SUPPORT ON THE AFSOC BASING AND BEDDOWN ENVIRONMENTAL IMPACT STATEMENT AT DM AFB

Project Type: Airport - New Construction

Project Description: The Air Force Special Operations Command (AFSOC) is conducting a basing action at Davis-Monthan AFB in Arizona. As part of the basing action, an Environmental Impact Statement (EIS) will be prepared.

The EIS shall provide sufficient, documented information to analyze potential environmental impacts associated with several ongoing strategic basing actions. The first of these is the proposed divestment of 84x A-10C aircraft from Davis-Monthan AFB and the transfer of AFSOCs 492nd Special Operations Wing and subsequent missions. The A-10C aircraft currently assigned to Davis-Monthan AFB would be divested in two phases. The 354th FS would be inactivated and the 357th FS and 47th FS would be reduced in FY24, divesting 36 A-10C aircraft by the end of FY24. In FY26 the 357th FS and 47th FS would be inactivated, and the remaining 46 aircraft would be divested. There would be a reduction of approximately 2,274 manpower authorizations associated with the divestiture of the A-10s at Davis-Monthan.

AFSOC previously conducted a site visit to scope facilities. The AFSOC/A4IC and Det 3, IMSC team confirmed the condition and capacity for senior leadership decision space. AF/ABX provided guidance to focus on A-10C facilities only. The team compared the A-10C facilities with the AFSOC force structure to estimate beddown costing and requirements. Military Construction (MILCON) would potentially be programmed starting in FY28 and Facilities, Sustainment, Restoration, & Modification (FSRM) starting in FY26.

The following is a list of proposed/potential MILCON based on the site visit:

- 2-Bay MC-130J Hangar / AMU
- STS Aquatic Trainer Facility
- STS HPTC Facility
- STS Dual Sq Ops Complex
- Installation Comm Center

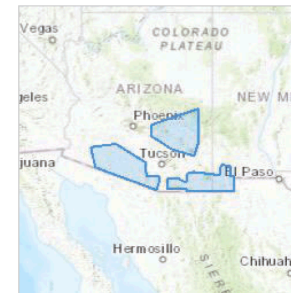
The following is a list of proposed FSRM based on the site visit:

- Back Shop Upgrades & Refresh
- Renovate CDCs for Tenant Wing HQ Campus
- Renovate 4413 & 1446 for MC-130J and OA-1K Simulators
- Refresh 5251 & 5247 for Armed Overwatch

- Refresh 4800/5600 for two MC-130J Squadron Operations
- ADAL Fac for SERE/AFE/Oss
- Refresh 5255 for MC-130J Corrosion Control
- Convert 4400 to SCIF (T-AOS)
- Restripe Ramp & Demo Sun Shades
- STS Climbing Tower
- Interim Swing Space

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.1765216,-112.5654266,7748568,14z>



Counties: Arizona and New Mexico

5 of 28

6 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

ENDANGERED SPECIES ACT SPECIES

There is a total of 51 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.

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.

7 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

MAMMALS

NAME	STATUS
Jaguar <i>Panthera onca</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3944	Endangered
Mexican Long-nosed Bat <i>Leptonycteris nivalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8203	Endangered
Mexican Wolf <i>Canis lupus baileyi</i> Population: U.S.A. (portions of AZ and NM)see 17.84(k) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3916	Experimental Population, Non- Essential
Mount Graham Red Squirrel <i>Tamiasciurus fremonti grahamensis</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8370	Endangered
New Mexico Meadow Jumping Mouse <i>Zapus hudsonius luteus</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7965	Endangered
Ocelot <i>Leopardus (=Felis) pardalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4474	Endangered
Sonoran Pronghorn <i>Antilocapra americana sonoriensis</i> Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4750	Endangered
Sonoran Pronghorn <i>Antilocapra americana sonoriensis</i> Population: U.S.A. (AZ), Mexico No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4750	Experimental Population, Non- Essential

BIRDS

NAME	STATUS
Cactus Ferruginous Pygmy-owl <i>Glaucidium brasilianum cactorum</i> There is final critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/1225	Threatened
California Least Tern <i>Sternula antillarum browni</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8104	Endangered
Masked Bobwhite (quail) <i>Colinus virginianus ridgwayi</i> No critical habitat has been designated for this species.	Endangered

8 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME

STATUS

Species profile: <https://ecos.fws.gov/ecp/species/3484>

Mexican Spotted Owl *Strix occidentalis lucida*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/8196>

Northern Aplomado Falcon *Falco femoralis septentrionalis*

Population: U.S.A (AZ, NM)

No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/1923>

Southwestern Willow Flycatcher *Empidonax traillii eximius*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/6749>

Yellow-billed Cuckoo *Coccyzus americanus*

Population: Western U.S. DPS

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/3911>

Yuma Ridgway's Rail *Rallus obsoletus yumanensis*

No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/3505>

REPTILES

NAME

STATUS

Narrow-headed Gartersnake *Thamnophis rufipunctatus*

There is final critical habitat for this species. Your location does not overlap the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/2204>

New Mexican Ridge-nosed Rattlesnake *Crotalus willardi obscurus*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/3657>

Northern Mexican Gartersnake *Thamnophis eques megalops*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/7655>

Sonoyta Mud Turtle *Kinosternon sonoriense longifemorale*

There is final critical habitat for this species.

Species profile: <https://ecos.fws.gov/ecp/species/7276>

AMPHIBIANS

NAME

STATUS

Chiricahua Leopard Frog *Rana chiricahuensis*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/1516>

Sonoran Tiger Salamander *Ambystoma mavortium stebbinsi*

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME

STATUS

No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/2096>

FISHES

NAME

STATUS

Apache Trout *Oncorhynchus apache*

No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/3532>

Beautiful Shiner *Cyprinella formosa*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/7874>

Desert Pupfish *Cyprinodon macularius*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/7003>

Gila Chub *Gila intermedia*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/51>

Gila Topminnow (incl. Yaqui) *Poeciliopsis occidentalis*

No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/1116>

Gila Trout *Oncorhynchus gilae*

No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/781>

Loach Minnow *Tiaroga cobitis*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/6922>

Razorback Sucker *Xyrauchen texanus*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/530>

Sonora Chub *Gila ditaenia*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/1394>

Spikedace *Meda fulgida*

There is final critical habitat for this species. Your location overlaps the critical habitat.

Species profile: <https://ecos.fws.gov/ecp/species/6493>

Woundfin *Plagopterus argentissimus*

Population: Gila R. drainage, AZ, NM

No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/49>

Yaqui Catfish *Ictalurus pricei*

9 of 28

10 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME	STATUS
There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5432	
Yaqui Chub <i>Gila purpurea</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3414	Endangered
SNAILS	
NAME	STATUS
San Bernardino Springsnail <i>Pyrgulopsis bernardina</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1778	Threatened
INSECTS	
NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate
FLOWERING PLANTS	
NAME	STATUS
Acuña Cactus <i>Echinomastus erectocentrus</i> var. <i>acunensis</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5785	Endangered
Arizona Cliffrose <i>Purshia</i> (=Cowania) <i>subintegra</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/866	Endangered
Arizona Eryngo <i>Eryngium sparganophyllum</i> Population: There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/10705	Endangered
Arizona Hedgehog Cactus <i>Echinocereus arizonicus</i> ssp. <i>arizonicus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1702	Endangered
Bartram's Stonecrop <i>Graptopetalum bartramii</i> There is proposed critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/8382	Threatened
Beardless Chinchweed <i>Pectis imberbis</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1348	Endangered
Canelo Hills Ladies'-tresses <i>Spiranthes delitescens</i>	Endangered

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME	STATUS
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8098	
Cochise Pincushion Cactus <i>Coryphantha robbinsorum</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7229	Threatened
Huachuca Water-umbel <i>Lilaeopsis schaffneriana</i> var. <i>recurva</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1201	Endangered
Kearney's Blue-star <i>Amsonia kearneyana</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7485	Endangered
Nichol's Turk's Head Cactus <i>Echinocactus horizonthalonius</i> var. <i>nicholii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5343	Endangered
Pima Pineapple Cactus <i>Coryphantha scheeri</i> var. <i>robustispina</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4919	Endangered
Swale Paintbrush <i>Castilleja ornata</i> Population: No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10121	Proposed Endangered
Wright's Marsh Thistle <i>Cirsium wrightii</i> Population: There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8963	Threatened

CRITICAL HABITATS
There are 23 critical habitats wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Acuña Cactus <i>Echinomastus erectocentrus</i> var. <i>acunensis</i> https://ecos.fws.gov/ecp/species/5785#crithab	Final
Arizona Eryngo <i>Eryngium sparganophyllum</i> https://ecos.fws.gov/ecp/species/10705#crithab	Final
Beardless Chinchweed <i>Pectis imberbis</i> https://ecos.fws.gov/ecp/species/1348#crithab	Final
Beautiful Shiner <i>Cyprinella formosa</i> https://ecos.fws.gov/ecp/species/7874#crithab	Final
Chiricahua Leopard Frog <i>Rana chiricahuensis</i>	Final

11 of 28

12 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675	08/13/2024 15:36:41 UTC	Project code: 2024-0129675	08/13/2024 15:36:41 UTC
----------------------------	-------------------------	----------------------------	-------------------------

NAME	STATUS	NAME	STATUS
https://ecos.fws.gov/ecp/species/1516#crithab		Yellow-billed Cuckoo <i>Coccyzus americanus</i>	Final
Desert Pupfish <i>Cyprinodon macularius</i>	Final	https://ecos.fws.gov/ecp/species/3911#crithab	
https://ecos.fws.gov/ecp/species/7003#crithab			
Gila Chub <i>Gila intermedia</i>	Final		
https://ecos.fws.gov/ecp/species/51#crithab			
Huachuca Water-umbel <i>Lilaeopsis schaffneriana</i> var. <i>recurva</i>	Final		
https://ecos.fws.gov/ecp/species/1201#crithab			
Jaguar <i>Panthera onca</i>	Final		
https://ecos.fws.gov/ecp/species/3944#crithab			
Loach Minnow <i>Tiaroga cobitis</i>	Final		
https://ecos.fws.gov/ecp/species/6922#crithab			
Mexican Spotted Owl <i>Strix occidentalis lucida</i>	Final		
https://ecos.fws.gov/ecp/species/8196#crithab			
Mount Graham Red Squirrel <i>Tamiasciurus fremonti grahamensis</i>	Final		
https://ecos.fws.gov/ecp/species/8370#crithab			
New Mexican Ridge-nosed Rattlesnake <i>Crotalus willardi obscurus</i>	Final		
https://ecos.fws.gov/ecp/species/3657#crithab			
Northern Mexican Gartersnake <i>Thamnophis eques megalops</i>	Final		
https://ecos.fws.gov/ecp/species/7655#crithab			
Quitobaquito Tryonia <i>Tryonia quitobaquiae</i>	Proposed		
For information on why this critical habitat appears for your project, even though Quitobaquito Tryonia is not on the list of potentially affected species at this location, contact the local field office.			
https://ecos.fws.gov/ecp/species/4521#crithab			
Razorback Sucker <i>Xyrauchen texanus</i>	Final		
https://ecos.fws.gov/ecp/species/530#crithab			
San Bernardino Springsnail <i>Pyrgulopsis bernardina</i>	Final		
https://ecos.fws.gov/ecp/species/1778#crithab			
Sonora Chub <i>Gila ditaenia</i>	Final		
https://ecos.fws.gov/ecp/species/1394#crithab			
Southwestern Willow Flycatcher <i>Empidonax traillii extimus</i>	Final		
https://ecos.fws.gov/ecp/species/6749#crithab			
Spikedace <i>Meda fulgida</i>	Final		
https://ecos.fws.gov/ecp/species/6493#crithab			
Yaqui Catfish <i>Ictalurus pricei</i>	Final		
https://ecos.fws.gov/ecp/species/5432#crithab			
Yaqui Chub <i>Gila purpurea</i>	Final		
https://ecos.fws.gov/ecp/species/3414#crithab			

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base

Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds Jan 1 to Aug 31

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

■ probability of presence

■ breeding season

| survey effort

— no data

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

SPECIES

Bald Eagle

Non-BCC

Vulnerable

Golden Eagle

Non-BCC

Vulnerable

JAN

FEB

MAR

APR

MAY

JUN

JUL

AUG

SEP

OCT

NOV

DEC

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

1. The [Migratory Birds Treaty Act](#) of 1918.

2. The [Bald and Golden Eagle Protection Act](#) of 1940.

3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

15 of 28

16 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675		08/13/2024 15:36:41 UTC		Project code: 2024-0129675		08/13/2024 15:36:41 UTC	
NAME	BREEDING SEASON	NAME	BREEDING SEASON	NAME	BREEDING SEASON	NAME	BREEDING SEASON
American Avocet <i>Recurvirostra americana</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11927	Breeds Apr 21 to Aug 10	Chestnut-collared Longspur <i>Calcarius ornatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9437	Breeds elsewhere	Clark's Grebe <i>Aechmophorus clarkii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10575	Breeds Jun 1 to Aug 31	Cordilleran Flycatcher <i>Empidonax occidentalis</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11949	Breeds Apr 25 to Jul 25
Arizona Woodpecker <i>Dryobates arizonae</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9673	Breeds Apr 10 to Jun 30	Costa's Hummingbird <i>Calypte costae</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9470	Breeds Jan 15 to Jun 10	Eastern Meadowlark <i>Sturnella magna</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9455	Breeds Apr 25 to Aug 31	Elegant Trogon <i>Trogon elegans</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9624	Breeds Apr 1 to Aug 31
Baird's Sparrow <i>Centronyx bairdii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/5113	Breeds elsewhere	Evening Grosbeak <i>Coccothraustes vespertinus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9465	Breeds May 15 to Aug 10	Ferruginous Hawk <i>Buteo regalis</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/6038	Breeds Mar 15 to Aug 15	Flammulated Owl <i>Psiloscoops flammeolus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/7728	Breeds May 10 to Aug 15
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31	Gila Woodpecker <i>Melanerpes uropygialis</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/5960	Breeds Apr 1 to Aug 31				
Bendire's Thrasher <i>Toxostoma bendirei</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9435	Breeds Mar 15 to Jul 31						
Black-chinned Sparrow <i>Spizella atrogularis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9447	Breeds Apr 15 to Jul 31						
Black-throated Gray Warbler <i>Setophaga nigrescens</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9584	Breeds May 1 to Jul 20						
Broad-tailed Hummingbird <i>Selasphorus platycercus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/11935	Breeds May 25 to Aug 21						
Cactus Wren <i>Campylorhynchus brunneicapillus guttatus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8834	Breeds Mar 5 to Sep 30						
Cassin's Sparrow <i>Peucaea cassinii</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9512	Breeds Aug 1 to Oct 10						

17 of 28

18 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675		08/13/2024 15:36:41 UTC		Project code: 2024-0129675		08/13/2024 15:36:41 UTC	
NAME	BREEDING SEASON	NAME	BREEDING SEASON	NAME	BREEDING SEASON	NAME	BREEDING SEASON
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds Jan 1 to Aug 31	Mexican Chickadee <i>Poecile sclateri</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10585	Breeds Aug 5 to Jul 15	Mexican Whip-poor-will <i>Antrostomus arizonae</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10680	Breeds May 1 to Aug 20	Mountain Plover <i>Charadrius montanus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3638	Breeds elsewhere
Grace's Warbler <i>Setophaga graciae</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9514	Breeds May 20 to Jul 20	Olive-sided Flycatcher <i>Contopus cooperi</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3914	Breeds May 20 to Aug 31	Phainopepla <i>Phainopepla nitens lepida</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11973	Breeds Mar 1 to Aug 20	Pinyon Jay <i>Gymnorhinus cyanocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9420	Breeds Feb 15 to Jul 15
Henry's Common Nighthawk <i>Chordeiles minor henryi</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11979	Breeds May 21 to Aug 25	Plumbeous Vireo <i>Vireo plumbeus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11933	Breeds May 10 to Aug 5	Red-faced Warbler <i>Cardellina rubrifrons</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9578	Breeds May 10 to Jul 15	Scott's Oriole <i>Icterus parisorum</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11968	Breeds May 21 to Aug 15
Lawrence's Goldfinch <i>Spinus lawrencei</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9464	Breeds Mar 20 to Sep 20	Sprague's Pipit <i>Anthus spragueii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8964	Breeds elsewhere				
Leconte's Thrasher <i>Toxostoma lecontei</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8969	Breeds Feb 15 to Jun 20						
Lewis's Woodpecker <i>Melanerpes lewis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9408	Breeds Apr 20 to Sep 30						
Long-billed Curlew <i>Numenius americanus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/5511	Breeds elsewhere						
Long-eared Owl <i>asio otus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3631	Breeds Mar 1 to Jul 15						
Lucifer Hummingbird <i>Calothorax lucifer</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9576	Breeds Apr 1 to Aug 31						
Marbled Godwit <i>Limosa fedoa</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9481	Breeds elsewhere						

19 of 28

20 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME	BREEDING SEASON
Thick-billed Longspur <i>Rhynchophanes mccownii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/11901	Breeds elsewhere
Varied Bunting <i>Passerina versicolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9725	Breeds Apr 25 to Sep 30
Virginia's Warbler <i>Leiothlypis virginiae</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9441	Breeds May 1 to Jul 31
Western Grebe <i>aechmophorus occidentalis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/6743	Breeds Jun 1 to Aug 31
Whiskered Screech-owl <i>Megascops trichopsis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10569	Breeds Apr 15 to Jul 31
Willet <i>Tringa semipalmata</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10669	Breeds elsewhere

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

probability of presence

breeding season

survey effort

no data

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
American Avocet BCC - BCR												
Arizona Woodpecker BCC Rangewide (CON)												
Baird's Sparrow BCC Rangewide (CON)												
Bald Eagle Non-BCC Vulnerable												
Bendire's Thrasher BCC Rangewide (CON)												
Black-chinned Sparrow BCC Rangewide (CON)												
Black-throated Gray Warbler BCC - BCR												
Broad-tailed Hummingbird BCC Rangewide (CON)												
Cactus Wren BCC - BCR												
Cassin's Sparrow BCC - BCR												
Chestnut-collared Longspur BCC Rangewide (CON)												

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

21 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

probability of presence

breeding season

survey effort

no data

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
American Avocet BCC - BCR												
Arizona Woodpecker BCC Rangewide (CON)												
Baird's Sparrow BCC Rangewide (CON)												
Bald Eagle Non-BCC Vulnerable												
Bendire's Thrasher BCC Rangewide (CON)												
Black-chinned Sparrow BCC Rangewide (CON)												
Black-throated Gray Warbler BCC - BCR												
Broad-tailed Hummingbird BCC Rangewide (CON)												
Cactus Wren BCC - BCR												
Cassin's Sparrow BCC - BCR												
Chestnut-collared Longspur BCC Rangewide (CON)												

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

21 of 28

22 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base

Environmental Impact Statement



492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675		08/13/2024 15:36:41 UTC	
<div><div><div>Varied Bunting BCC Rangewide (CON)</div><div></div></div><div><div>Virginia's Warbler BCC Rangewide (CON)</div><div></div></div><div><div>Western Grebe BCC Rangewide (CON)</div><div></div></div><div><div>Whiskered Screech-owl BCC Rangewide (CON)</div><div></div></div><div><div>Willet BCC Rangewide (CON)</div><div></div></div></div>		<div><ul style="list-style-type: none">▪ PSS1Ah▪ PFO1/SS2C▪ PSS2J▪ PFO1C▪ PSS1/2C▪ PSS1/2Ah▪ PFO1/SS1C▪ PSS1A▪ PSS1Ax▪ PSSC▪ PSS1Cx▪ PSS2A▪ PFO1/SS2A▪ PFOC▪ PSS1C▪ PSS▪ PSS1/2Kx▪ PFO1A</div> <div>FRESHWATER POND<ul style="list-style-type: none">▪ PUBF▪ PAB4Fx▪ PUB</div> <div>FRESHWATER EMERGENT WETLAND<ul style="list-style-type: none">▪ PEM1/SS1A▪ PEM1Ch▪ PEM1J▪ PEM1C▪ PEM1A▪ PEM1Ah▪ PEM1B▪ PEM1/SS1Ch▪ PEM1/SS1C</div> <div>LAKE<ul style="list-style-type: none">▪ L2UBH▪ L2USC▪ L1UBH</div>	
<p>Additional information can be found using the following links:</p> <ul style="list-style-type: none">▪ Eagle Management https://www.fws.gov/program/eagle-management▪ Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds▪ Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf▪ Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action <h3>WETLANDS</h3> <p>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.</p> <p>For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.</p> <p>Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.</p> <p>Due to your project's size, the list below may be incomplete, or the acreages reported may be inaccurate. For a full list, please contact the local U.S. Fish and Wildlife office or visit https://www.fws.gov/wetlands/data/mapper.HTML.</p> <div>FRESHWATER FORESTED/SHRUB WETLAND<ul style="list-style-type: none">▪ PFO1/SS1A▪ PSS1/2A</div>		25 of 28	
		26 of 28	

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

- L2EM2F
- L2USA

27 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Beau Rapier
Address: 8081 Innovation Park Drive
City: Baton Rouge
State: LA
Zip: 70820
Email: beau@gsrcorp.com
Phone: 2257578088

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Air Force
Name: Beau Rapier
Email: beau@gsrcorp.com
Phone: 2177229249

28 of 28

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:
DMAFB 492 SOW

User Project Number:
80884001_May 2024

Project Description:

The United States (U.S.) Department of the Air Force (DAF) is proposing to transform the 492nd Special Operations Wing (492 SOW) into the Air Force Special Operations Command (AFSOC) third Power Projection Wing (PPW) at Davis-Monthan Air Force Base (AFB), Arizona. AFSOC's third PPW would include the 492 SOW, the 6th and 319th Special Operations Squadrons, an MC-130J squadron, activation of an Intelligence Squadron (IS) as a geographically separated unit under the Air Combat Command (ACC) 361st Intelligence, Surveillance, and Reconnaissance Group (361 ISRG), and Special Tactics and Special Operations Theater Air Operations Squadrons. Throughout this document, all these units are included in the phrase "492 SOW Beddown." The 492 SOW Beddown would include both OA-1K and MC-130J aircraft. This Environmental Impact Statement (EIS) is being developed in compliance with the National Environmental Policy Act (NEPA) (42 United States Code 4321 et seq.), Council on Environmental Quality regulations (2002 promulgation), and the DAF's Environmental Impact Analysis Process (32 Code of Federal Regulations [CFR] 989). These regulations require federal agencies to complete an EIS for any proposal that may significantly affect the quality of the natural and human environment, outline the responsibilities of federal agencies, and provide specific procedures for preparing EISs to comply with NEPA. In addition, the DAF is evaluating how the Proposed Action might be affected by or impact other federal and state regulatory and planning processes, such as the Clean Air Act, Clean Water Act, or National Historic Preservation Act. This EIS incorporates various documents by reference.

Project Type:
Military Activities, Integrated Natural Resource Management Planning (INRMP)

Page 1 of 15

Contact Person:
amanda.anderson

Organization:
gulf south research corporation

On Behalf Of:
PRIVATE

Project ID:
HGIS-21894

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

Page 2 of 15

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

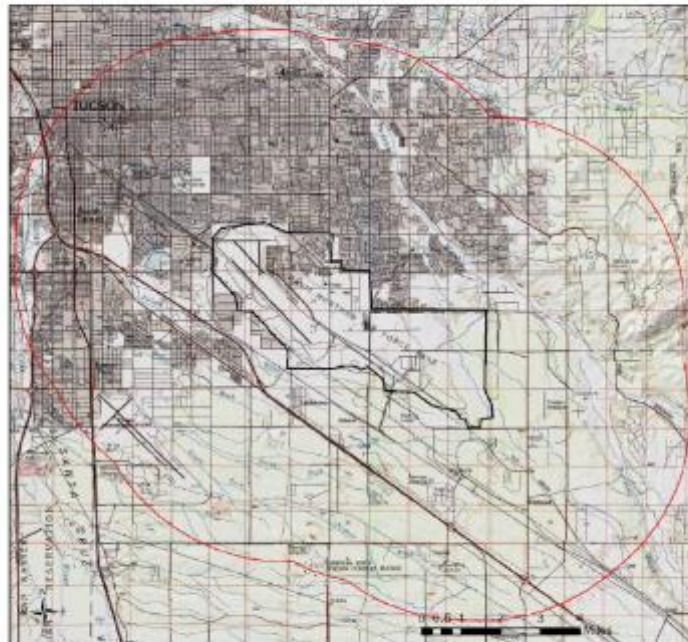
<p>Arizona Game and Fish Department Project ID: HGIS-21894</p> <p>project_report_dmatb_492_sow_77346_79575.pdf Review Date: 5/2/2024 09:52:37 AM</p> <p>Disclaimer:</p> <ol style="list-style-type: none">1. This Environmental Review is based on the project study area that was entered. The report must be 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 Department's review of site-specific projects.3. The Department's 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. Arizona Wildlife Conservation Strategy (AWCS), specifically Species of Greatest Conservation Need (SGCN), 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. <p>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.</p> <p>Page 3 of 15</p>	<p>Arizona Game and Fish Department Project ID: HGIS-21894</p> <p>project_report_dmatb_492_sow_77346_79575.pdf Review Date: 5/2/2024 09:52:37 AM</p> <p>Recommendations Disclaimer:</p> <ol style="list-style-type: none">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 85006-5000 Phone Number: (623) 236-7600 Fax Number: (623) 236-7388 Or PEP@azgfd.gov6. 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. <p>Page 4 of 15</p>
---	---

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Arizona Game and Fish Department
Project ID: HGIS-21894

project_report_dmafb_492_sow_77346_79575.pdf
Review Date: 5/2/2024 09:52:37 AM

DMAFB 492 SOW
USA Topo Basemap With Locator Map



[Red Outline] Buffered Project Boundary
 [Black Outline] Project Boundary
 Project Size (acres): 177.75
 Lat/Long (DD): 32.1420 / -110.5482
 County(s): Pima
 AGFD Region(s): Tucson
 Township/Range(s): T14S, R14E; T14S, R15E; T15S, R14E +
 USGS Quad(s): TUCSON; TUCSON EAST +

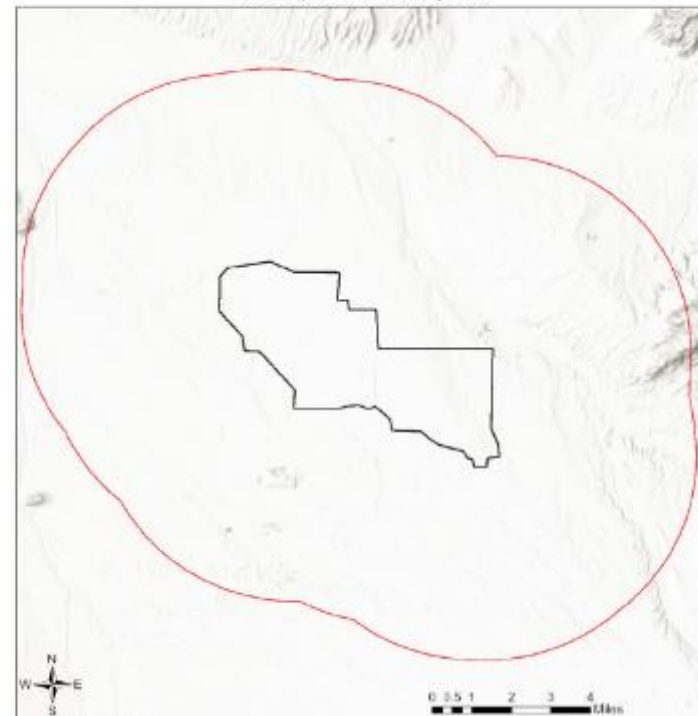
County of Yavapai, Eri, Sanborn, Gamma, FAO, 1804A, USGS, EPA, USFWS
 Copyright © 2013 National Geographic Society, i called
 Env. Links

Page 6 of 15

Arizona Game and Fish Department
Project ID: HGIS-21894

project_report_dmafb_492_sow_77346_79575.pdf
Review Date: 5/2/2024 09:52:37 AM

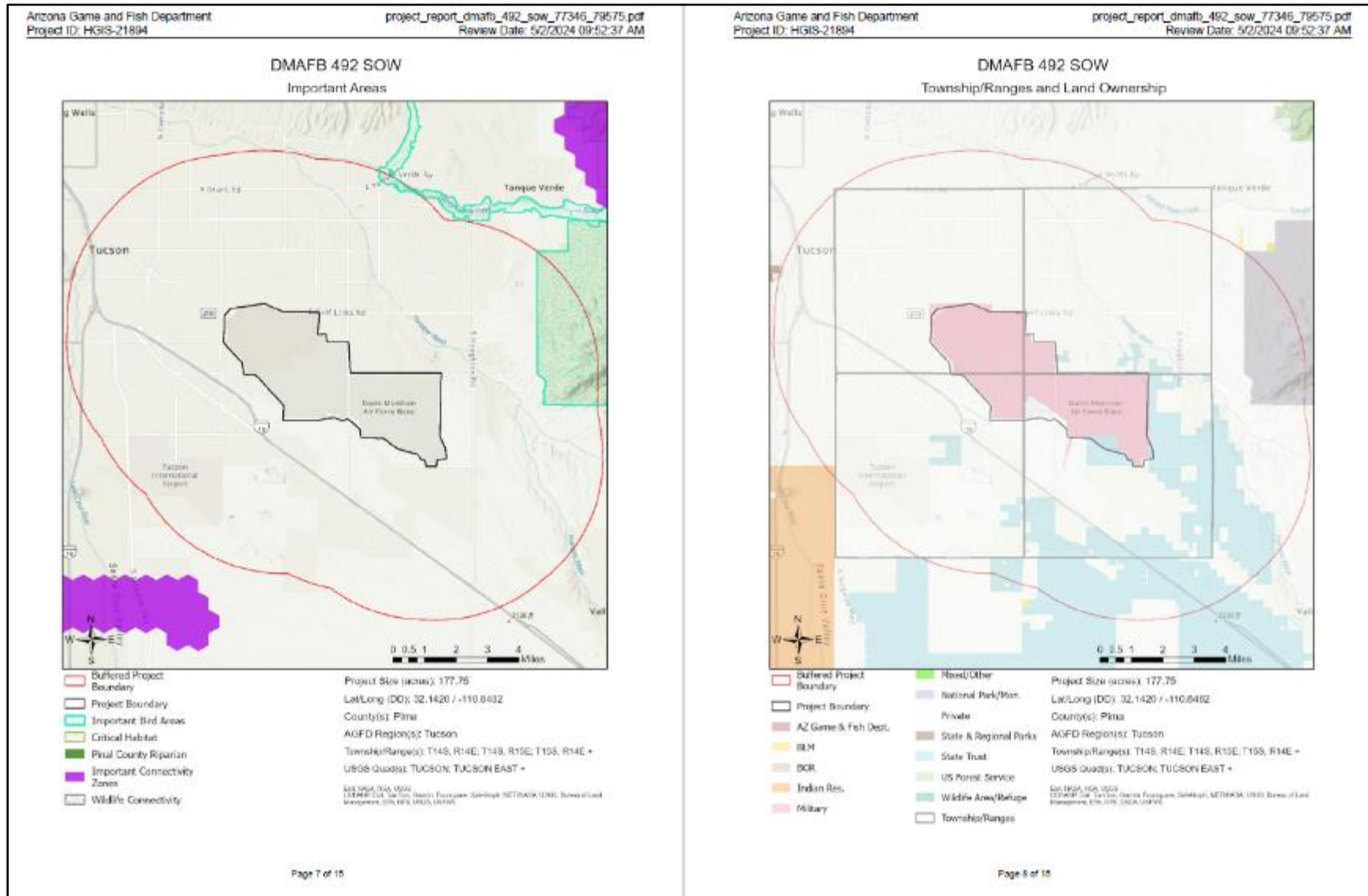
DMAFB 492 SOW
Web Map As Submitted By User



[Red Outline] Buffered Project Boundary
 [Black Outline] Project Boundary
 Project Size (acres): 177.75
 Lat/Long (DD): 32.1420 / -110.5482
 County(s): Pima
 AGFD Region(s): Tucson
 Township/Range(s): T14S, R14E; T14S, R15E; T15S, R14E +
 USGS Quad(s): TUCSON; TUCSON EAST +
 Env. Links

Page 6 of 15

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement



492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Arizona Game and Fish Department Project ID: HGIS-21894		project_report_dmafb_492_sow_77346_79575.pdf Review Date: 5/2/2024 09:52:37 AM					Arizona Game and Fish Department Project ID: HGIS-21894		project_report_dmafb_492_sow_77346_79575.pdf Review Date: 5/2/2024 09:52:37 AM				
Special Status Species Documented within 5 Miles of Project Vicinity							Special Status Species Documented within 5 Miles of Project Vicinity						
Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN	Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Abutilon parvifolium</i>	Pima Indian Mallow	SC	S	S	SR		<i>Cyprinodon erasmus</i>	Quitovaquito Pupfish	LE				1
<i>Accipiter atricapillus</i>	American Goshawk	SC	S	S		2	<i>Danaus plexippus</i>	Monarch	C		S		
<i>Aschmophorus occidentalis</i>	Western Grebe					2	<i>Echinomastus erectocentrus</i> var. <i>erectocentrus</i>	Needle-spined Pineapple Cactus	SC				SR
<i>Agelaius phoeniceus</i>	Red-winged Blackbird					2	<i>Empidonax wrightii</i>	Gray Flycatcher					2
<i>Agosia chrysogaster chrysogaster</i>	Gila Longfin Dace	SC		S		2	<i>Eryngium sparganophyllum</i>	Arizona Eryngo	LE		S		
<i>Ammospermophilus harrisi</i>	Harris' Antelope Squirrel					2	<i>Eugenes fulgens</i>	Rivoli's Hummingbird					2
<i>Amphispiza bilineata</i>	Black-throated Sparrow					2	<i>Euphagus cyanocephalus</i>	Brewer's Blackbird					2
<i>Anthus rubescens</i>	American Pipit					2	<i>Falco mexicanus</i>	Prairie Falcon					2
<i>Aspidoscelis sonoriensis</i>	Sonoran Spotted Whiptail					2	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	SC	S	S		1
<i>Aspidoscelis stictogrammus</i>	Giant Spotted Whiptail	SC	S			2	<i>Falco sparverius</i>	American Kestrel					2
<i>Athene cunicularia hypugaea</i>	Western Burrowing Owl	SC	S	S		2	<i>Gastrophryne mazatlanensis</i>	Sinaloa Narrow-mouthed Toad				S	2
<i>Auriparus flaviceps</i>	Verdin					2	<i>Geothlypis tolmiei</i>	MacGillivray's Warbler					2
<i>Bat Colony</i>							<i>Gopherus morafkai</i>	Sonoran Desert Tortoise	CCA	S	S		1
<i>Buteo swainsoni</i>	Swainson's Hawk					2	<i>Heloderma suspectum</i>	Gila Monster					1
<i>Calamospiza melanocorys</i>	Lark Bunting					2	<i>Icterus bullockii</i>	Bullock's Oriole					2
<i>Callipepla squamata</i>	Scaled Quail					2	<i>Icterus cucullatus</i>	Hooded Oriole					2
<i>Calypte costae</i>	Costa's Hummingbird					2	<i>Incilius alvarius</i>	Sonoran Desert Toad					2
<i>Campylorhynchus brunneicapillus</i>	Cactus Wren					2	<i>Kinostemon sonoriensis sonoriensis</i>	Desert Mud Turtle				S	2
<i>Capsicum annuum</i> var. <i>glaberrimum</i>	Chile Pepper		S				<i>Lanius ludovicianus</i>	Loggerhead Shrike	SC				2
<i>Cardinalis sinuatus</i>	Pyrrhuloxia					2	<i>Lasiurus xanthinus</i>	Western Yellow Bat		S			2
<i>Catharus guttatus</i>	Hermit Thrush					2	<i>Leptonycteris yerbabuenae</i>	Lesser Long-nosed Bat	SC		S		1
<i>Catharus ustulatus</i>	Swainson's Thrush					2	<i>Lepus alleni</i>	Antelope Jackrabbit					2
<i>Chaetodipus baileyi</i>	Bailey's Pocket Mouse					2	<i>Lilaeopsis schaffneriana</i> ssp. <i>recurva</i>	Huachuca Water-umbel	LE		S	HS	
<i>Charadrius vociferus</i>	Killdeer					2	<i>Lysiloma watsonii</i>	Littleleaf False Tamarind					SR
<i>Chionomeniscus cinctus</i>	Variable Sandpiper					2	<i>Megascops kennicottii</i>	Western Screech-owl					2
<i>Choronycteris mexicana</i>	Mexican Long-tongued Bat	SC	S	S		2	<i>Melanerpes uropygialis</i>	Gila Woodpecker					2
<i>Circus hudsonius</i>	Northern Harrier					2	<i>Melospiza lincolni</i>	Lincoln's Sparrow					2
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo (Western DPS)	LT	S	S		1	<i>Melospiza alberti</i>	Albert's Towhee		S			2
<i>Colaptes auratus</i>	Gilded Flicker			S		2	<i>Melospiza fusca</i>	Canyon Towhee					2
<i>Coluber bilineatus</i>	Sonoran Whipsnake					2	<i>Micruroides euryxanthus</i>	Sonoran Coralsnake					2
<i>Columba inca</i>	Inca Dove					2	<i>Myotis occultus</i>	Arizona Myotis	SC		S		
<i>Contopus cooperi</i>	Olive-sided Flycatcher	SC				2	<i>Myotis velifer</i>	Cave Myotis	SC		S		2
<i>Contopus sordidulus</i>	Western Wood-Pewee					2	<i>Myotis yumanensis</i>	Yuma Myotis	SC				2
<i>Corvus cryptoleucus</i>	Chihuahuan Raven					2	<i>Opuntia versicolor</i>	Staghorn Cholla					SR
<i>Corynorhinus townsendii pallasiensis</i>	Pale Townsend's Big-eared Bat	SC	S	S		1	<i>Parabuteo unicinctus</i>	Harris' Hawk					2
<i>Coryphantha scheeri</i> var. <i>robustispina</i>	Pima Pineapple Cactus	LE		S	HS		<i>Passerculus sandwichensis</i>	Savannah Sparrow					2
<i>Crotalus tigris</i>	Tiger Rattlesnake					2	<i>Peucaea carpalis</i>	Rufous-winged Sparrow					2
<i>Cyananthus latirostris</i>	Broad-billed Hummingbird		S			2	<i>Phrynosoma solare</i>	Regal Horned Lizard					2

Page 9 of 15

Page 10 of 15

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Arizona Game and Fish Department project_report_dmafb_492_sow_77346_79575.pdf
Project ID: HGIS-21894 Review Date: 5/2/2024 09:52:37 AM

Special Status Species Documented within 5 Miles of Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Poeciliopsis occidentalis	Gila Topminnow	LE,UR		S		1
Pooecetes gramineus	Vesper Sparrow					2
Rana yavapaiensis	Lowland Leopard Frog	SC	S	S		1
Selasphorus platycercus	Broad-tailed Hummingbird					2
Setophaga nigrescens	Black-throated Gray Warbler					2
Spizella breweri	Brewer's Sparrow					2
Tadarida brasiliensis	Brazilian Free-tailed Bat					2
Terrapene ornata luteola	Desert Box Turtle			S		1

Note: Status code definitions can be found at <https://www.azgfd.com/wildlife-conservation/on-the-ground-conservation/state-wildlife-action-plan/state-wildlife-action-plan-status-definitions/>.

Special Areas Documented that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Tucson Urban Riparian Linkages	Pima County Wildlife Movement Area Riparian/Wash					

Note: Status code definitions can be found at <https://www.azgfd.com/wildlife-conservation/on-the-ground-conservation/state-wildlife-action-plan/state-wildlife-action-plan-status-definitions/>.

Species of Greatest Conservation Need Predicted that Intersect with Project Footprint as Drawn, based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Accipiter gentilis	Northern Goshawk	SC	S	S		2
Ammodramus savannarum perpallidus	Western Grasshopper Sparrow					
Ammospermophilus harrisi	Harris' Antelope Squirrel					
Anthus spraguei	Sprague's Pipit	SC				2
Antrostomus ridgwayi	Buff-collared Nightjar		S			2
Aquila chrysaetos	Golden Eagle			S		2
Asio otus	Long-eared Owl					2
Aspidoscelis sonoriensis	Sonoran Spotted Whiptail					2
Athene cunicularia hypugaea	Western Burrowing Owl	SC	S	S		2
Auriparus flaviceps	Vardin					2
Botaurus lentiginosus	American Bittern					2
Buteo regalis	Ferruginous Hawk	SC		S		2
Buteo swainsoni	Swainson's Hawk					2
Buteo galii anthracinus	Common Black Hawk					2
Calcarius ornatus	Chestnut-collared Longspur					2
Callipepla squamata	Scaled Quail					2
Calypte costae	Costa's Hummingbird					2

Page 11 of 15

Arizona Game and Fish Department project_report_dmafb_492_sow_77346_79575.pdf
Project ID: HGIS-21894 Review Date: 5/2/2024 09:52:37 AM

Species of Greatest Conservation Need Predicted that Intersect with Project Footprint as Drawn, based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Camptostoma imberbe	Northern Beardless-Tyrannulet		S			2
Campylorhynchus brunneicapillus	Cactus Wren					2
Callipepla squamata	Swainson's Thrush					2
Chaetodipus baileyi	Bailey's Pocket Mouse					2
Charadrius montanus	Mountain Plover	SC				2
Chilomeniscus stramineus	Variable Sandsnake					2
Choeronycteris mexicana	Mexican Long-tongued Bat	SC	S	S		2
Chordeiles minor	Common Nighthawk					2
Coccyzus americanus	Yellow-billed Cuckoo (Western DPS)					
Colaptes chrysoides	Gilded Flicker			S		2
Coluber bilineatus	Sonoran Whipsnake					2
Columba inca	Inca Dove					2
Corvus cryptoleucus	Chihuahuan Raven					2
Corynorhinus townsendi pallasiensis	Pale Townsend's Big-eared Bat	SC	S	S		1
Crotalus tigris	Tiger Rattlesnake					2
Cyanerpes cyaneus	Broad-billed Hummingbird		S			2
Empidonax wrightii	Gray Flycatcher					2
Eumops perotis californicus	Greater Western Bonneted Bat					
Falco mexicanus	Prairie Falcon					2
Falco peregrinus anatum	American Peregrine Falcon					
Falco sparverius	American Kestrel					2
Gastrophryne mazatlanensis	Sinaloa Narrow-mouthed Toad					
Glaucidium brasilianum cactorum	Cactus Ferruginous Pygmy-owl					
Gopherus morafkai	Sonoran Desert Tortoise	CCA	S	S		1
Haemorhous cassinii	Cassin's Finch					2
Helodermatid suspectum	Gila Monster					1
Icterus bullockii	Bullock's Oriole					2
Icterus cucullatus	Hooded Oriole					2
Icterus parisorum	Scott's Oriole					2
Incilius alvarius	Sonoran Desert Toad					2
Kinosternon sonoriense sonoriense	Desert Mud Turtle					
Lanius ludovicianus	Loggerhead Shrike	SC				2
Lasiurus blossevilli	Western Red Bat		S			2
Lasiurus cinereus	Hoary Bat					2
Lasiurus xanthinus	Western Yellow Bat		S			2
Leptonycteris yerbabuenae	Lesser Long-nosed Bat	SC				1
Lithobates yavapaiensis	Lowland Leopard Frog	SC	S	S		1
Macrotus californicus	California Leaf-nosed Bat	SC		S		2
Megascops kinnicottii	Western Screech-owl					

Page 12 of 15

Arizona Game and Fish Department
Project ID: HGIS-21894

project_report_dmafb_492_sow_77346_79575.pdf
Review Date: 5/2/2024 09:52:37 AM

Species of Greatest Conservation Need Predicted that Intersect with Project Footprint as Drawn, based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Melanerpes uropygialis	Gila Woodpecker					2
Melospiza lincolnii	Lincoln's Sparrow					2
Melospiza alberti	Abert's Towhee		S			2
Micrathene whitneyi	Elf Owl					2
Micruroides euryxanthus	Sonoran Coralsnake					2
Myadestes townsendi	Townsend's Solitaire					2
Myiarchus tuberculifer	Dusky-capped Flycatcher					2
Myotis auricularis	Southwestern Myotis					2
Myotis thysanodes	Fringed Myotis	SC				2
Myotis velifer	Cave Myotis	SC		S		2
Myotis yumanensis	Yuma Myotis	SC				2
Notiosorex cockrumi	Cockrum's Desert Shrew					2
Nyctinomops femorosaccus	Pocketed Free-tailed Bat					2
Nyctinomops macrotis	Big Free-tailed Bat	SC				2
Parabuteo unicinctus	Harris's Hawk					2
Passerculus sandwichensis	Savannah Sparrow					2
Perognathus amplus	Arizona Pocket Mouse					2
Peucaea carpalis	Rufous-winged Sparrow					2
Phrynosoma solare	Regal Horned Lizard					2
Phyllorhynchus browni	Saddled Leaf-nosed Snake					2
Pooecetes gramineus	Vesper Sparrow					2
Progne subis hesperia	Desert Purple Martin					2
Sigmodon arizonae cienegae	Arizona Cotton Rat					2
Spizella breweri	Brewer's Sparrow					2
Strix occidentalis lucida	Mexican Spotted Owl	LT				1
Tadarida brasiliensis	Brazilian Free-tailed Bat					2
Toxostoma bendirei	Bendire's Thrasher					2
Troglodytes pacificus	Pacific Wren					2

Species of Economic and Recreation Importance Predicted that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Callipepla gambelii	Gambel's Quail					
Odocoileus hemionus	Mule Deer					
Pecari tajacu	Javelina					
Puma concolor	Mountain Lion					
Zenaida asiatica	White-winged Dove					
Zenaida macroura	Mourning Dove					

Arizona Game and Fish Department
Project ID: HGIS-21894

project_report_dmafb_492_sow_77346_79575.pdf
Review Date: 5/2/2024 09:52:37 AM

Project Type: Military Activities, Integrated Natural Resource Management Planning (INRM)

Project Type Recommendations:
Minimize the potential introduction or spread of exotic invasive species, including aquatic and terrestrial insects and pathogens. Precautions should be taken to wash and/or decontaminate all equipment activities before entering and leaving the site. See the Arizona Department of Agriculture website and restricted noxious weeds at <https://www.invasivespeciesinfo.gov/unitedstates/az.shtml> and the Society <https://aznps.com/invas> for recommendations on how to control. To view a list of documents to report invasive species in or near your project area visit iMapInvasives - a national cloud-based and managing invasive species at <https://map.natureserve.org/imap/services/page/imap.html>.

- To build a list: zoom to your area of interest, use the identify/measure tool to draw a polygon interest, and select "See What's Here" for a list of reported species. To export the list, you account and be logged in. You can then use the export tool to draw a boundary and export file.

The Department requests further coordination to provide project/species specific recommendations contact Project Evaluation Program directly at PEP@azgfd.gov.

Project Location and/or Species Recommendations:
HDMS records indicate that one or more native plants listed on the Arizona Native Plant Law have been documented within the vicinity of your project area. Please contact:
Arizona Department of Agriculture
1688 W Adams St.
Phoenix, AZ 85007
Phone: 602.542.4373
<https://agriculture.az.gov/sites/default/files/Native%20Plant%20Rules%20-%20AZ%20Dept%20page%2044>

Analysis indicates that your project is located in the vicinity of an identified [wildlife habitat](#). County-level Stakeholder Assessments contain five categories of data (Barrier/Development, Wildlife Movement Area- Diffuse, Wildlife movement Area- Landscape, Wildlife Movement Area- provide a context of select anthropogenic barriers, and potential connectivity. The reports provide opportunities to preserve or enhance permeability. Project planning and implementation efforts should maintain and improve opportunities for wildlife permeability. For information pertaining to the and wildlife species that may be affected, please refer to: <https://www.azgfd.com/wildlife-conservation/planning-for-wildlife/planning-for-wildlife-identify>. Please contact the Project Evaluation Program (pep@azgfd.gov) for specific project recommendations.

HDMS records indicate that **Lesser Long-nosed Bats** have been documented within the vicinity. Please review the Lesser Long-nosed Bat Management Guidelines at: <https://s3.amazonaws.com/azgfd-portal-wordpress/Portal/images/files/wildlife/planningForWildlifeFriendlyGuidelines/FINALJecuyetHabitat>

Page 13 of 15

Page 14 of 15

Arizona Game and Fish Department
Project ID: HGIS-21894

project_report_dmafb_492_sow_77346_79575.pdf
Review Date: 5/2/2024 09:52:37 AM

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 <https://www.fws.gov/office/arizona-ecological-services> or:

Phoenix Main Office
9828 North 31st Avenue #C3
Phoenix, AZ 85051-2517
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

HDMS records indicate that **Sonoran Desert Tortoise** have been documented within the vicinity of your project area. Please review the Tortoise Handling Guidelines found at <https://s3.amazonaws.com/azgfd-portal-wordpress/Portallimages/files/wildlife/2014%20Tortoise%20handling%20guidelines.pdf>.

HDMS records indicate that **Western Burrowing Owls** have been documented within the vicinity of your project area. Please review the western burrowing owl resource page at <https://www.azgfd.com/wildlife-conservation/conservation-and-endangered-species-programs/burrowing-owl-management/>.

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.*

The Department requests further coordination to provide project/species specific recommendations.
Please contact the Project Evaluation Program directly at PEP@azgfd.gov.

Project Name:

NATURAL RESOURCES SUPPORT ON THE AFSOC BASING AND BEDDOWN ENVIRONMENTAL
IMPACT STATEMENT AT DM AFB

Project Type:

Military Activities, Development (new buildings, roads, etc.)

Project ID:

HGIS-22754

Project Description:

The Air Force Special Operations Command (AFSOC) is conducting a basing action at Davis-Monthan AFB in Arizona. As part of the basing action, an Environmental Impact Statement (EIS) will be prepared. The EIS shall provide sufficient, documented information to analyze potential environmental impacts associated with several ongoing strategic basing actions. The first of these is the proposed divestment of 84x A-10C aircraft from Davis-Monthan AFB and the transfer of AFSOCs 492nd Special Operations Wing and subsequent missions. The A-10C aircraft currently assigned to Davis-Monthan AFB would be divested in two phases. The 354th FS would be inactivated and the 357th FS and 47th FS would be reduced in FY24, divesting 36 A-10C aircraft by the end of FY24. In FY26 the 357th FS and 47th FS would be inactivated, and the remaining 46 aircraft would be divested. There would be a reduction of approximately 2,274 manpower authorizations associated with the divestiture of the A-10s at Davis-Monthan. AFSOC previously conducted a site visit to scope facilities. The AFSOC/ A4IC and Det 3, IMSC team confirmed the condition and capacity for senior leadership decision space. AF/A8X provided guidance to focus on A-10C facilities only. The team compared the A-10C facilities with the AFSOC force structure to estimate beddown costing and requirements. Military Construction (MILCON) would potentially be programmed starting in FY28 and Facilities, Sustainment, Restoration, & Modification (FSRM) starting in FY26. The following is a list of proposed/potential MILCON based on the site visit: • 2-Bay MC-130J Hangar / AMU • STS Aquatic Trainer Facility • STS HPTC Facility • STS Dual Sq Ops Complex • Installation Comm Center The following is a list of proposed FSRM based on the site visit: • Back Shop Upgrades & Refresh • Renovate CDCs for Tenant Wing HQ Campus • Renovate 4413 & 1446 for MC-130J and OA-1K Simulators • Refresh 5251 & 5247 for Armed Overwatch • Refresh 4800/5600 for two MC-130J Squadron Operations • ADAL Fac for SERE/AFE/Oss • Refresh 5255 for MC-130J Corrosion Control • Convert 4400 to SCIF (T-AOS) • Restripe Ramp & Demo Sun Shades • STS Climbing Tower • Interim Swing Space

Page 1 of 39

Contact Person:

Beau Rapier

Organization:

Gulf South Research Corporation

On Behalf Of:

DOD

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. Arizona Wildlife Conservation Strategy (AWCS), specifically Species of Greatest Conservation Need (SGCN), 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.

Page 2 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department
Project ID: HGIS-22754

project_report_natural_resources_sup_80271_82630_FINAL.pdf
Review Date: 8/14/2024 11:35:26 AM

Recommendations Disclaimer:

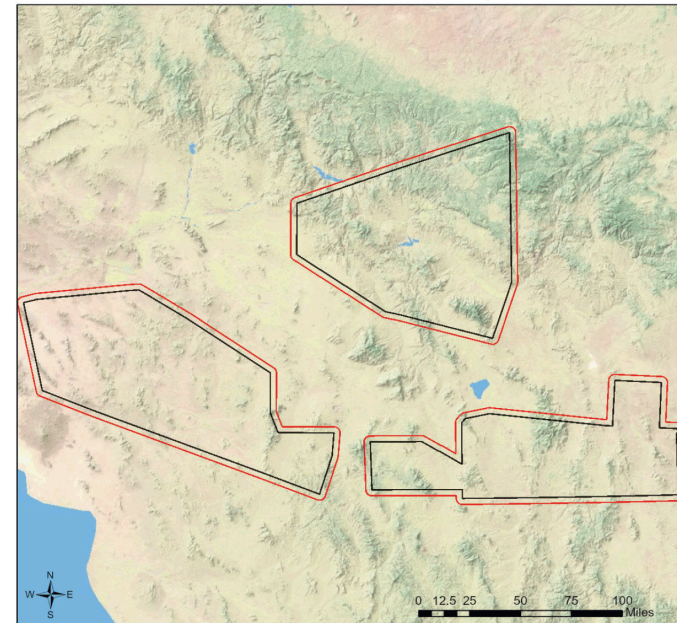
1. The Department is interested in the conservation of all fish and wildlife resources, including those species listed in this report and those that may have not been documented within the project vicinity as well as other game and nongame wildlife.
2. Recommendations have been made by the Department, 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.

Page 3 of 39

Arizona Game and Fish Department
Project ID: HGIS-22754

project_report_natural_resources_sup_80271_82630_FINAL.pdf
Review Date: 8/14/2024 11:35:26 AM

§ SUPPORT ON THE AFSOC BASING AND BEDDOWN ENVIRONMENTAL IMPACT § USA Topo Basemap With Locator Map



- Buffered Project Boundary
- Project Boundary

Project Size (acres): 13,119,946.32

Lat/Long (DD): 32.1817 / -112.4563

County(s): Apache; Cochise; Gila; Graham +

AGFD Region(s): Mesa; Pinetop; Tucson; Yuma

Township/Range(s): +

USGS Quad(s): AGUA DULCE MOUNTAINS; AGUILA MOUNTAINS NE +

County of Yavapai, Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, USFWS
Copyright: © 2013 National Geographic Society, i-cubed
Esri, USGS

Page 4 of 39

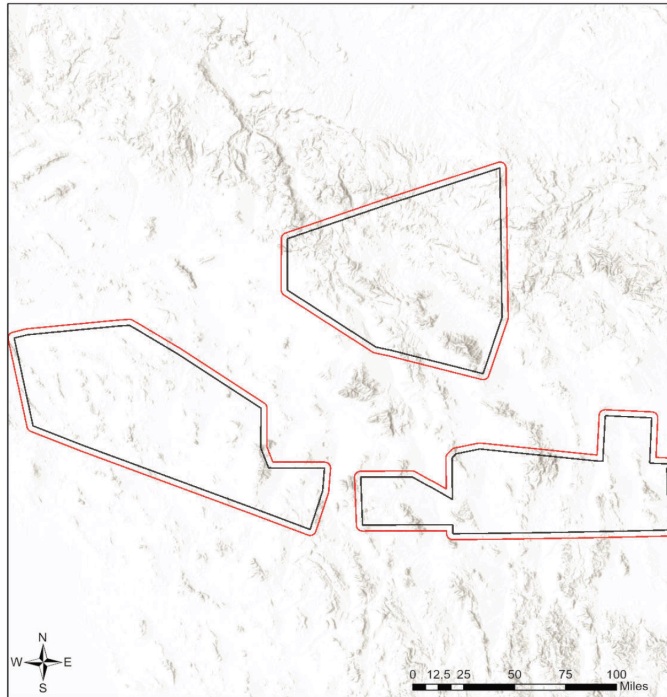
492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department
Project ID: HGIS-22754

project_report_natural_resources_sup_80271_82630_FINAL.pdf
Review Date: 8/14/2024 11:35:26 AM

SUPPORT ON THE AFSOC BASING AND BEDDOWN ENVIRONMENTAL IMPACT S

Web Map As Submitted By User



Buffered Project Boundary
 Project Boundary

Project Size (acres): 13,119,946.32
 Lat/Long (DD): 32.1817 / -112.4563
 County(s): Apache; Cochise; Gila; Graham +
 AGFD Region(s): Mesa; Pinetop; Tucson; Yuma
 Township/Range(s): +
 USGS Quad(s): AGUA DULCE MOUNTAINS; AGUILA MOUNTAINS NE +
 Esri, USGS

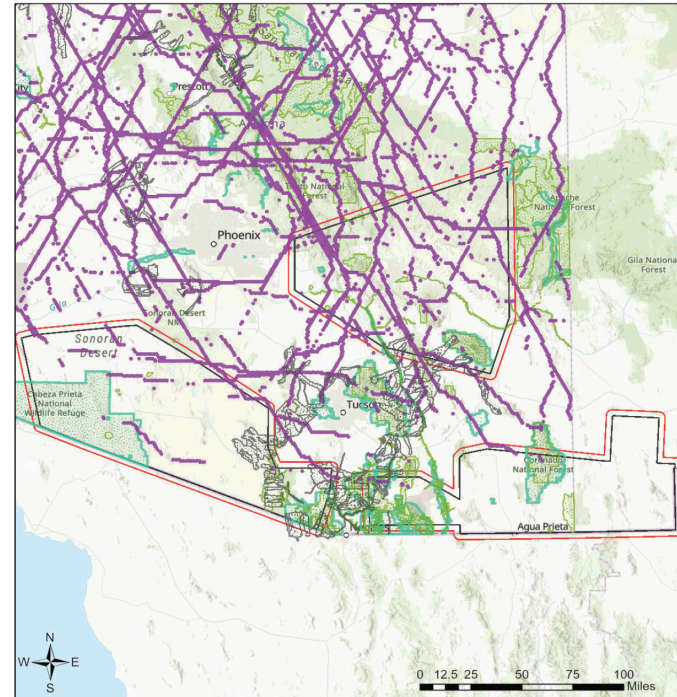
Page 5 of 39

Arizona Game and Fish Department
Project ID: HGIS-22754

project_report_natural_resources_sup_80271_82630_FINAL.pdf
Review Date: 8/14/2024 11:35:26 AM

SUPPORT ON THE AFSOC BASING AND BEDDOWN ENVIRONMENTAL IMPACT S

Important Areas



Buffered Project Boundary
 Project Boundary
 Important Bird Areas
 Critical Habitat
 Important Connectivity Zones
 Wildlife Connectivity

Project Size (acres): 13,119,946.32
 Lat/Long (DD): 32.1817 / -112.4563
 County(s): Apache; Cochise; Gila; Graham +
 AGFD Region(s): Mesa; Pinetop; Tucson; Yuma
 Township/Range(s): +
 USGS Quad(s): AGUA DULCE MOUNTAINS; AGUILA MOUNTAINS NE +

CONMAP: Esri, TomTom, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA,
 NPS, USFWS
 Esri, USGS

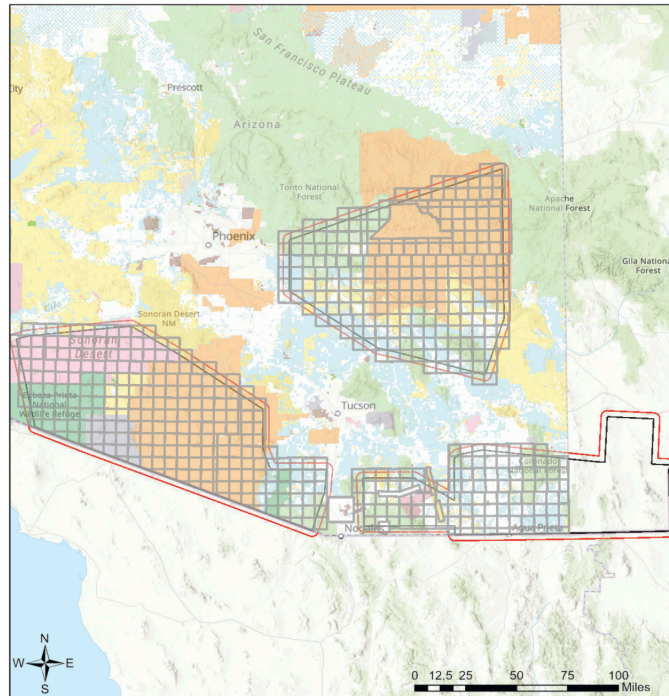
Page 6 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

§ SUPPORT ON THE AFSOC BASING AND BEDDOWN ENVIRONMENTAL IMPACT §

Township/Ranges and Land Ownership



Page 7 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Status Species Documented within 3 Miles of Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Abutilon parishii	Pima Indian Mallow	SC	S	S	SR	
Accipiter atricapillus	American Goshawk	SC	S	S		2
Adopaeoides prittwiti	Sunrise Skipper		S			
Aechmophorus occidentalis	Western Grebe					2
Agathymus evansi	Huachuca Giant-skipper		S			
Agave delamateri	Tonto Basin Agave	SC	S			
Agave delamateri	Tonto Basin Agave	SC	S		HS	
Agave murpheyi	Hohokam Agave	SC	S	S		
Agave murpheyi	Hohokam Agave	SC	S	S	HS	
Agave parviflora ssp. parviflora	Santa Cruz Striped Agave	SC	S			
Agave parviflora ssp. parviflora	Santa Cruz Striped Agave	SC	S		HS	
Agave phillipsiana	Phillips Agave		S		HS	
Agave toumeyana var. bella	Toumey Agave				SR	
Agelaius phoeniceus	Red-winged Blackbird					2
Agosia chrysogaster chrysogaster	Gila Longfin Dace	SC		S		2
Agosia chrysogaster ssp. 1	Yaqui Longfin Dace	SC		S		2
Agosia chrysogaster	Longfin Dace	SC		S		2
Allium gooddingii	Goodding Onion	CCA	S		HS	
Allium plummerae	Plummer Onion				SR	
Allium rhizomatum	Redflower Onion				SR	
Ambystoma mavortium stebbinsi	Sonoran Tiger Salamander	LE				1
Ammodramus savannarum ammolegus	Arizona grasshopper sparrow		S	S		2
Ammospermophilus harrisi	Harris' Antelope Squirrel					2
Amoreuxia gonzalezii	Saiya	SC	S		HS	
Amphispiza bilineata	Black-throated Sparrow					2
Amphispiza quinquestrata	Five-striped Sparrow					2
Amsonia grandiflora	Large-flowered Blue Star	SC	S			
Amsonia kearneyana	Kearney Blue-star	LE		S	HS	
Anaxyrus microscaphus	Arizona Toad	SC		S		2
Anaxyrus retiformis	Sonoran Green Toad			S		2
Anthus rubescens	American Pipit					2
Anthus spragueii	Sprague's Pipit	SC				2
Antilocapra americana sonoriensis	Sonoran Pronghorn	LE,XN		S		1
Antilocapra americana sonoriensis	Sonoran Pronghorn	LE		S		1
Antilocapra americana sonoriensis	Sonoran Pronghorn	XN		S		1
Antrostomus ridgwayi	Buff-collared Nightjar		S			2
Apacheria chiricahuensis	Chiricahua Rock Flower					SR
Aphelocoma woodhouseii	Woodhouse's Scrub-Jay					2
Aquila chrysaetos	Golden Eagle	BGA		S		2

Page 8 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Status Species Documented within 3 Miles of Project Vicinity						
Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Aquila chrysaetos</i>	Golden Eagle			S		2
<i>Argia sabino</i>	Sabino Canyon Dancer	SC	S			
<i>Asclepias lemmonii</i>	Lemmon Milkweed		S			
<i>Asclepias uncialis</i>	Greene Milkweed	SC	S			
<i>Ashmunella chiricahuana</i>	Cave Creek Woodlandsnail					2
<i>Ashmunella levettei</i>	Huachuca Woodlandsnail	UR				2
<i>Asio otus</i>	Long-eared Owl					2
<i>Aspidoscelis arizonae</i>	Arizona Striped Whiptail			S		
<i>Aspidoscelis sonorae</i>	Sonoran Spotted Whiptail					2
<i>Aspidoscelis stictogrammus</i>	Giant Spotted Whiptail	SC	S			2
<i>Aspidoscelis xanthonotus</i>	Red-backed Whiptail	SC	S			2
<i>Asplenium dalhousiae</i>	Dalhouse Spleenwort			S		
<i>Astragalus cobrensis</i> var. <i>maguirei</i>	Coppermine Milk-vetch	SC	S		SR	
<i>Astragalus hypoxylus</i>	Huachuca Milk-vetch	SC	S	S	SR	
<i>Athene cunicularia hypugaea</i>	Western Burrowing Owl	SC	S	S		2
<i>Auriparus flaviceps</i>	Verdin					2
<i>Ayenia jalcana</i>	Ayenia		S			
<i>Baiomys taylori</i>	Northern Pygmy Mouse		S			
Bat Colony						
<i>Berberis harrisoniana</i>	Kofa Mountain Barberr			S		
<i>Browallia eludens</i>	Bush-violet	SC	S			
<i>Buteo plagiatus</i>	Gray Hawk	SC				
<i>Buteo regalis</i>	Ferruginous Hawk	SC		S		2
<i>Buteo swainsoni</i>	Swainson's Hawk					2
<i>Buteogallus anthracinus</i>	Common Black Hawk					2
<i>Calamospiza melanocorys</i>	Lark Bunting					2
<i>Calcarius ornatus</i>	Chestnut-collared Longspur					2
<i>Callipepla squamata</i>	Scaled Quail					2
<i>Calothorax lucifer</i>	Lucifer Hummingbird		S			3
<i>Calypso bulbosa</i> var. <i>americana</i>	Fairy Slipper				SR	
<i>Calypste costae</i>	Costa's Hummingbird					2
<i>Camptostoma ornatum</i>	Mexican Stoneroller	SC	S			2
<i>Camptostoma imberbe</i>	Northern Beardless-Tyrannulet		S			2
<i>Campylorhynchus brunneicapillus</i>	Cactus Wren					2
<i>Canis lupus baileyi</i>	Mexican Wolf	LE.XN		S		1
<i>Capsicum annuum</i> var. <i>glabriusculum</i>	Chiltepin		S			
<i>Cardellina rubrifrons</i>	Red-faced Warbler					2
<i>Cardinalis sinuatus</i>	Pyrrhuloxia					2
<i>Carex chihuahuensis</i>	Chihuahuan Sedge		S			

Page 9 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Status Species Documented within 3 Miles of Project Vicinity						
Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Carex ultra</i>	Cochise Sedge		S	S		
<i>Castilleja mogollonica</i>	White Mountains Paintbrush	SC	S		SR	
<i>Castilleja nervata</i>	Trans-pecos Indian-paintbrush		S			
<i>Catharus guttatus</i>	Hermit Thrush					2
<i>Catharus ustulatus</i>	Swainson's Thrush					2
<i>Catostomus clarkii</i>	Desert Sucker	SC	S	S		2
<i>Catostomus insignis</i>	Sonora Sucker	SC	S	S		2
<i>Centronyx bairdii</i>	Baird's Sparrow	SC	S			2
<i>Chaetodipus baileyi</i>	Bailey's Pocket Mouse					2
<i>Charadrius vociferus</i>	Killdeer					2
<i>Chilomeniscus cinctus</i>	Variable Sandsnake					2
<i>Chionactis annulata</i>	Resplendent Shovel-nosed Snake					
<i>Chionactis parastrostris organica</i>	Organ Pipe Shovel-nosed Snake					2
<i>Choeronycteris mexicana</i>	Mexican Long-tongued Bat	SC	S	S		2
<i>Choisya mollis</i>	Santa Cruz Star Leaf	SC	S			
<i>Chordeiles minor</i>	Common Nighthawk					2
<i>Cicindela oregona maricopa</i>	Maricopa Tiger Beetle	SC				
<i>Circus hudsonius</i>	Northern Harrier					2
<i>Cirsium parryi</i>	Parry Thistle		S		SR	
<i>Coccothraustes vespertinus</i>	Evening Grosbeak					2
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo (Western DPS)	LT	S	S		1
<i>Colaptes chrysoides</i>	Gilded Flicker			S		2
<i>Colinus virginianus ridgwayi</i>	Masked Bobwhite	LE				1
<i>Coluber bilineatus</i>	Sonoran Whipsnake					2
<i>Columbina inca</i>	Inca Dove					2
<i>Contopus cooperi</i>	Olive-sided Flycatcher	SC				2
<i>Contopus sordidulus</i>	Western Wood-Pewee					2
<i>Corvus cryptoleucus</i>	Chihuahuan Raven					2
<i>Corynorhinus townsendii pallescens</i>	Pale Townsend's Big-eared Bat	SC	S	S		1
<i>Coryphantha recurvata</i>	Santa Cruz Beehive Cactus		S		HS	
<i>Coryphantha robbinsorum</i>	Cochise Pincushion Cactus	LT			HS	
<i>Coryphantha scheeri</i> var. <i>robustispina</i>	Pima Pineapple Cactus	LE		S		
<i>Coryphantha scheeri</i> var. <i>robustispina</i>	Pima Pineapple Cactus	LE		S	HS	
<i>Coursetia glabella</i>	Smooth Baby-bonnets	SC	S			
<i>Craugastor augusti cactorum</i>	Western Barking Frog		S			2
<i>Crotalus cerberus</i>	Arizona Black Rattlesnake					2
<i>Crotalus lepidus klauberi</i>	Banded Rock Rattlesnake					1
<i>Crotalus lepidus</i>	Rock Rattlesnake					1

Page 10 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Status Species Documented within 3 Miles of Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Crotalus pricei</i>	Twin-spotted Rattlesnake	S				1
<i>Crotalus pyrrhus</i>	Speckled Rattlesnake					2
<i>Crotalus tigris</i>	Tiger Rattlesnake					2
<i>Crotalus willardi obscurus</i>	New Mexico Ridge-nosed Rattlesnake	LT		S		1
<i>Crotalus willardi willardi</i>	Arizona Ridge-nosed Rattlesnake	S				1
<i>Crotaphytus nebrius</i>	Sonoran Collared Lizard					2
<i>Cryptantha ganderi</i>	Gander's Cryptantha	SC				
<i>Cyanocitta stelleri</i>	Steller's Jay					2
<i>Cynanthus latirostris</i>	Broad-billed Hummingbird	S				2
<i>Cynomys ludovicianus</i>	Black-tailed Prairie Dog	CCA		S		1
<i>Cyprinella formosa</i>	Beautiful Shiner	LT				1
<i>Cyprinodon eremus</i>	Quitobaquito Pupfish	LE				1
<i>Cyprinodon macularius</i>	Desert Pupfish	LE		S		1
<i>Cypripedium parviflorum</i> var. <i>pubescens</i>	Yellow Lady's-slipper	S			HS	
<i>Dalea tentaculoides</i>	Gentry's Indigo Bush	SC	S	S	HS	
<i>Danaus plexippus</i>	Monarch	C		S		
<i>Dendrocygna autumnalis</i>	Black-bellied Whistling-Duck					2
<i>Desmodium metcalfei</i>	Metcalfe's Tick-trefoil	S				
<i>Dichromanthus michuacanus</i>	Michoacan Ladies'-tresses				SR	
<i>Draba standleyi</i>	Standley Whitlow-grass	SC				
<i>Dryobates arizonae</i>	Arizona Woodpecker	S				2
<i>Dumetella carolinensis</i>	Gray Catbird	S				3
<i>Echinocereus arizonicus</i> ssp. <i>arizonicus</i>	Arizona Hedgehog Cactus	LE		S	HS	
<i>Echinocereus arizonicus</i> ssp. <i>nigrihorridispinus</i>	Black-spined Hedgehog Cactus					SR
<i>Echinocereus ledingii</i>	Pinaleno Hedgehog Cactus					SR
<i>Echinocereus nicholii</i>	Nichol's Hedgehog Cactus					SR
<i>Echinocereus pseudopectinatus</i>	Devil-thorn					SR
<i>Echinocereus santaritensis</i>	Santa Rita Hedgehog Cactus					SR
<i>Echinomastus erectocentrus</i> var. <i>acunensis</i>	Acuna Cactus	LE		S	HS	
<i>Echinomastus erectocentrus</i> var. <i>erectocentrus</i>	Needle-spined Pineapple Cactus	SC				SR
<i>Echinomastus intertextus</i>	White Fishhook Cactus					SR
<i>Elgaria kingii</i>	Madrean Alligator Lizard					2
<i>Empidonax fulvifrons pygmaeus</i>	Northern Buff-breasted Flycatcher	SC	S			2
<i>Empidonax traillii extimus</i>	Southwestern Willow Flycatcher	LE		S		1
<i>Empidonax wrightii</i>	Gray Flycatcher					2

Page 11 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Status Species Documented within 3 Miles of Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Epithelantha micromeris</i>	Button Cactus				SR	
<i>Eremophila alpestris</i>	Horned Lark					2
<i>Erigeron anchana</i>	Sierra Ancha Fleabane	SC	S			
<i>Erigeron arisolius</i>	Arid Throne Fleabane		S			
<i>Erigeron heliographis</i>	Pinalenos Fleabane	SC	S			
<i>Erigeron kuschei</i>	Chiricahua Fleabane	SC	S		SR	
<i>Erigeron lemmonii</i>	Lemmon Fleabane	SC			HS	
<i>Erigeron piscaticus</i>	Fish Creek Fleabane	SC	S	S	SR	
<i>Eriogonum capillare</i>	San Carlos Wild-buckwheat	SC			SR	
<i>Eryngium sparganophyllum</i>	Arizona Eryngo	LE		S		
<i>Escobaria orcuttii</i>	Orcutt's Foxtail Cactus				SR	
<i>Eugenes fulgens</i>	Rivoli's Hummingbird					2
<i>Eumops perotis californicus</i>	Greater Western Bonneted Bat	SC		S		2
<i>Eumops underwoodi</i>	Underwood's Bonneted Bat	SC				2
<i>Euphagus cyanocephalus</i>	Brewer's Blackbird					2
<i>Euphorbia macropus</i>	Woodland Spurge	SC			SR	
<i>Euplotis neoxenus</i>	Eared Quetzal		S			
<i>Falco mexicanus</i>	Prairie Falcon					2
<i>Falco peregrinus anatum</i>	American Peregrine Falcon	SC	S	S		1
<i>Falco sparverius</i>	American Kestrel					2
<i>Ferocactus cylindraceus</i>	Desert Barrel Cactus					SR
<i>Ferocactus emoryi</i>	Emory's Barrel-cactus					SR
<i>Fremontodendron californicum</i>	Flannel Bush				S	SR
<i>Gastrocopta dalliana</i>	Shortneck Snaggletooth	CCA				1
<i>Gastrophryne mazatlanensis</i>	Sinoloan Narrow-mouthed Toad			S		2
<i>Gentianella wislizeni</i>	Wislizeni Gentian	SC	S		SR	
<i>Geothlypis tolmiei</i>	MacGillivray's Warbler					2
<i>Gila ditaenia</i>	Sonora Chub	LT				1
<i>Gila intermedia</i>	Gila Chub	LE		S		1
<i>Gila purpurea</i>	Yaqui Chub	LE				1
<i>Gila robusta</i>	Roundtail Chub	SC	S	S		1
<i>Glaucidium brasilianum cactorum</i>	Cactus Ferruginous Pygmy-owl	LT	S	S		1
<i>Glaucidium gnoma californicum</i>	Northern Pygmy-owl					2
<i>Glaucidium gnoma gnoma</i>	Mountain Pygmy-owl					2
<i>Gopherus morafkai</i>	Sonoran Desert Tortoise	CCA	S	S		1
<i>Graptopetalum bartramii</i>	Bartram Stonecrop	LT	S	S	SR	
<i>Gyalopion quadrangulare</i>	Thornscrub Hook-nosed Snake		S			2
<i>Haemorhous cassinii</i>	Cassin's Finch					2
<i>Haliaeetus leucocephalus</i> (wintering pop.)	Bald Eagle - Winter Population	SC, BGA	S	S		

Page 12 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Status Species Documented within 3 Miles of Project Vicinity						
Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Haliaeetus leucocephalus</i>	Bald Eagle	SC, BGA	S	S		1
<i>Helianthus niveus</i> ssp. <i>tephrodes</i>	Algodones Sunflower	SC				
<i>Heloderma suspectum</i>	Gila Monster					1
<i>Heterotheca rutteri</i>	Huachuca Golden Aster	SC	S	S		
<i>Heuchera eastwoodiae</i>	Senator Mine Alumroot		S			
<i>Heuchera glomerulata</i>	Chiricahua Mountain Alumroot		S			
<i>Hexaletris arizonica</i>	Arizona Crested Coral-root		S		SR	
<i>Hexaletris colemanii</i>	Coleman's coral-root	SC	S		SR	
<i>Hexaletris warnockii</i>	Texas Purple Spike	SC	S	S	HS	
<i>Hieracium abscissum</i>	Rusby's Hawkweed		S			
<i>Hieracium pringlei</i>	Pringle Hawkweed	SC				
<i>Hyla wrightorum</i> (Huachuca/Canelo Hills Pop.)	See: <i>Hyla wrightorum</i>	SC	S			1
<i>Hyla wrightorum</i>	Arizona Treefrog					3
<i>Hypoxis mexicana</i>	Yellow Star Grass				SR	
<i>Hypsiglena</i> sp. nov.	Hooded Nightsnake					2
<i>Ictalurus pricei</i>	Yaqui Catfish	LT				1
<i>Icterus bullockii</i>	Bullock's Oriole					2
<i>Icterus cucullatus</i>	Hooded Oriole					2
<i>Icterus parisorum</i>	Scott's Oriole					2
<i>Ictinia mississippiensis</i>	Mississippi Kite					2
<i>Idionycteris phyllotis</i>	Allen's Lappet-browed Bat	SC	S	S		2
<i>Incilius alvarius</i>	Sonoran Desert Toad					2
<i>Junco phaeonotus</i>	Yellow-eyed Junco		S			2
<i>Kinosternon arizonense</i>	Arizona Mud Turtle					2
<i>Kinosternon flavescens</i>	Yellow Mud Turtle					2
<i>Kinosternon sonoriense longifemorale</i>	Sonoyta Mud Turtle	LE				1
<i>Kinosternon sonoriense sonoriense</i>	Desert Mud Turtle			S		2
<i>Lampornis clemenciae</i>	Blue-throated Mountain-gem					2
<i>Lampropeltis gentilis</i>	Western Milksnake					1
<i>Lampropeltis nigrita</i>	Mexican Black Kingsnake					
<i>Lanius ludovicianus</i>	Loggerhead Shrike	SC				2
<i>Lasiurus cinereus</i>	Hoary Bat					2
<i>Lasiurus frantzii</i>	Desert Red Bat		S			2
<i>Lasiurus xanthinus</i>	Western Yellow Bat		S			2
<i>Leopardus pardalis</i>	Ocelot	LE		S		1
<i>Leptonycteris nivalis</i>	Mexican Long-nosed Bat	LE				
<i>Leptonycteris yerbabuena</i>	Lesser Long-nosed Bat	SC		S		1

Page 13 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Status Species Documented within 3 Miles of Project Vicinity						
Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Lepus alleni</i>	Antelope Jackrabbit					2
<i>Lichanura trivirgata</i>	Three-Lined Boa	SC				2
<i>Lilaeopsis schaffneriana</i> ssp. <i>recurva</i>	Huachuca Water-umbel	LE		S	HS	
<i>Lilium parryi</i>	Lemon Lily	SC	S		SR	
<i>Limosella pubiflora</i>	Chiricahua Mudwort	SC	S			
<i>Lobelia fenestralis</i>	Leafy Lobelia				SR	
<i>Lobelia laxiflora</i>	Mexican Lobelia				SR	
<i>Lophocereus schottii</i>	Senita				SR	
<i>Lotus alamosanus</i>	Sonoran Bird's-foot Trefoil		S			
<i>Lupinus huachucanus</i>	Huachuca Mountain Lupine		S			
<i>Lupinus lemmonii</i>	Lemmon's Lupine		S			
<i>Mabrya acerifolia</i>	Mapleleaf False Snapdragon		S			
<i>Macroptilium supinum</i>	Supine Bean	SC	S		SR	
<i>Macrotus californicus</i>	California Leaf-nosed Bat	SC		S		2
<i>Malaxis abieticola</i>	Slender-flowered Malaxis				SR	
<i>Malaxis corymbosa</i>	Madrean Adder's Mouth				SR	
<i>Malaxis porphyrea</i>	Purple Adder's Mouth				SR	
<i>Mammillaria heyderi</i> var. <i>bullingtoniana</i>	Cream Cactus				SR	
<i>Mammillaria viridiflora</i>	Varied Fishhook Cactus				SR	
<i>Mammillaria wrightii</i> var. <i>wilcoxii</i>	Wilcox Fishhook Cactus				SR	
<i>Manihot davisiae</i>	Arizona Manihot		S			
<i>Meda fulgida</i>	Spikedace	LE		S		1
<i>Megascops kennicottii</i>	Western Screech-owl					2
<i>Megascops trichopsis</i>	Whiskered Screech-owl		S			2
<i>Melanerpes uropygialis</i>	Gila Woodpecker					2
<i>Melospiza lincolni</i>	Lincoln's Sparrow					2
<i>Melospiza aberti</i>	Abert's Towhee		S			2
<i>Melospiza fusca</i>	Canyon Towhee					2
<i>Metastelma mexicanum</i>	Wiggins Milkweed Vine	SC	S			
<i>Microtus longicaudus leucophaeus</i>	White-bellied Long-tailed Vole		S			2
<i>Micruroides euryxanthus</i>	Sonoran Coralsnake					2
<i>Muhlenbergia elongata</i>	Sycamore Muhly		S			
<i>Muhlenbergia palmeri</i>	Palmer's Muhly		S			
<i>Myadestes townsendi</i>	Townsend's Solitaire					2
<i>Myiarchus tuberculifer</i>	Dusky-capped Flycatcher					2
<i>Myiodynastes luteiventris</i>	Sulphur-bellied Flycatcher		S			2
<i>Myotis auriculus</i>	Southwestern Myotis					2
<i>Myotis ciliolabrum</i>	Western Small-footed Myotis	SC				

Page 14 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Status Species Documented within 3 Miles of Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Myotis occultus	Arizona Myotis	SC		S		
Myotis thysanodes	Fringed Myotis	SC				2
Myotis velifer	Cave Myotis	SC		S		2
Myotis volans	Long-legged Myotis	SC				
Myotis yumanensis	Yuma Myotis	SC				2
Naesiotes christenseni	Santa Rita Rabdotus					2
Notiosorex cockrumi	Cockrum's Desert Shrew					2
Nyctinomops femorosaccus	Pocketed Free-tailed Bat					2
Nyctinomops macrotis	Big Free-tailed Bat	SC				2
Oncorhynchus apache	Apache Trout	LT,PD				1
		L				
Oncorhynchus gilae	Gila Trout	LT				1
Opuntia versicolor	Stag-horn Cholla				SR	
Oreohelix concentrata	Huachuca Mountainsnail					2
Oreohelix grahamensis	Pinaleno Mountainsnail	CCA	S			1
Oreoscoptes montanus	Sage Thrasher					2
Oxybelis aeneus	Brown Vinesnake		S			2
Pachyrhamphus aglaiae	Rose-throated Becard		S			2
Packeria neomexicana var. toumeyi	Toumey Groundsel		S			
Panthera onca	Jaguar	LE		S		1
Parabuteo unicinctus	Harris's Hawk					2
Paspalum virilei	Virlet Paspalum		S			
Passerculus sandwichensis	Savannah Sparrow					2
Passiflora arizonica	Arizona Passionflower		S			
Patagioenas fasciata	Band-tailed Pigeon					2
Pectis imberbis	Beardless Chinchweed	LE	S			
Pediomelum pentaphyllum	Chihuahu Scurfpea	SC	S	S		
Peniocereus greggii var. greggii	Night-blooming Cereus	SC				SR
Peniocereus striatus	Dahlia Rooted Cereus					SR
Pennellia tricornuta	Chiricahua Rock Cress		S			
Penstemon discolor	Catalina Beardtongue	SC	S		HS	
Peritoma multicaulis	Slender Spiderflower	SC			SR	
Perityle ajoensis	Ajo Rock Daisy				SR	
Perityle cochisensis	Chiricahua Rock Daisy		S		SR	
Perognathus amplus	Arizona Pocket Mouse					2
Peromyscus merriami	Merriam's Deermouse		S			3
Peromyscus nasutus	Northern Rock Deermouse					2
Peucaea botteri arizonae	Arizona Botteri's Sparrow			S		2
Peucaea carpalis	Rufous-winged Sparrow					2
Phemeranthus humilis	Pinos Altos Flameflower	SC	S		SR	

Page 15 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Status Species Documented within 3 Miles of Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Phemeranthus marginatus	Topic Flameflower	SC	S		SR	
Phrynosoma cornutum	Texas Horned Lizard	SC				
Phrynosoma goodei	Goode's Horned Lizard					2
Phrynosoma solare	Regal Horned Lizard					2
Phyllorhynchus browni	Saddled Leaf-nosed Snake					2
Pinicola enucleator	Pine Grosbeak					2
Platanthera aquilonis	Northern Green Orchid				SR	
Platanthera limosa	Thurber's Bog Orchid				SR	
Platanthera purpurascens	Purple-petal Bog Orchid				SR	
Plestiodon callicephalus	Mountain Skink		S			2
Poecile gambeli	Mountain Chickadee					2
Poecile sclateri	Mexican Chickadee					2
Poecilopsis occidentalis	Gila Topminnow	LE,UR		S		1
Poecilopsis occidentalis	occidentalis					
Poecilopsis occidentalis sonoriensis	Yaqui Topminnow	LE				1
Polemonium pauciflorum ssp. hinkleyi	Hinkley's Ladder	SC	S			
Polioptila nigriceps	Black-capped Gnatcatcher					2
Poocetes gramineus	Vesper Sparrow					2
Potentilla albiflora	Pinaleno Cinquefoil		S			
Potentilla rhyolitica var. chiricahuensis	Chiricahua Cinquefoil		S			
Potentilla rhyolitica var. rhyolitica	Huachuca Cinquefoil		S			
Psilactis gentryi	Mexican Tansyaster		S			
Psiloscops flammeolus	Flammulated Owl					2
Psilotum nudum	Whisk Fern		S		HS	
Pyrgulopsis arizonae	Bylas Springsnail	SC		S		1
Pyrgulopsis bernardina	San Bernardino Springsnail	LT				1
Pyrgulopsis thompsoni	Huachuca Springsnail	CCA	S			1
Radiocentrum clappi	Cave Creek Mountainsnail					2
Rallus obsoletus yumanensis	Yuma Ridgway's Rail	LE		S		1
Ramosomyia violiceps	Violet-crowned Hummingbird		S			2
Rana blairi	Plains Leopard Frog				S	1
Rana chiricahuensis	Chiricahua Leopard Frog	LT		S		1
Rana tarahumarae	Tarahumara Frog	SC	S			1
Rana yavapaiensis	Lowland Leopard Frog	SC	S	S		1
Rhinichthys osculus	Speckled Dace	SC		S		
Rhynchophanes mcowanii	McCown's Longspur					2
Rhynchopsitta pachyrhyncha	Thick-billed Parrot					1
Rumex orthoneurus	Blumer's Dock	SC	S		HS	

Page 16 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Status Species Documented within 3 Miles of Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Salix arizonica	Arizona Willow	CCA	S		HS	
Salix bebbiana	Bebb's Willow		S			
Salvia amissa	Aravaipa Sage	SC	S	S		
Samolus vagans	Chiricahua Mountain Brookweed		S			
Sauromalus ater	Common Chuckwalla	SC				
Sceloporus jarrovi	Yarrow's Spiny Lizard					2
Sceloporus slevini	Slevin's Bunchgrass Lizard		S	S		2
Sceloporus virgatus	Striped Plateau Lizard					2
Schiedeella arizonica	Fallen Ladies'-tresses				SR	
Sciurus arizonensis	Arizona Gray Squirrel					2
Sciurus nayaritensis chiricahuae	Chiricahua Fox Squirrel	SC	S			2
Selasphorus platycercus	Broad-tailed Hummingbird					2
Senecio multidentatus var. huachucae	Huachuca Groundsel		S		HS	
Senticolis triaspis intermedia	Northern Green Ratsnake		S			2
Senticolis triaspis	Green Ratsnake		S			2
Setophaga graciae	Grace's Warbler					2
Setophaga nigrescens	Black-throated Gray Warbler					2
Sialia sialis fulva	Azure Bluebird					2
Sigmodon arizonae cienegae	Arizona Cotton Rat					2
Sigmodon hispidus	Hispid Cotton Rat					2
Sigmodon ochrognathus	Yellow-nosed Cotton Rat	SC				3
Sistrurus tergeminus edwardsii	Desert Massasauga			S		
Sisyrinchium cernuum	Nodding Blue-eyed Grass		S			
Smiliscia fodiens	Lowland Burrowing Treefrog			S		2
Sonorella baboquivariensis	Baboquivari Talussnail					2
Sonorella christenseni	Clark Peak Talussnail	CCA	S			1
Sonorella galiuensis	Galiuro Talussnail					2
Sonorella grahamensis	Pinaleno Talussnail	CCA	S			1
Sonorella imitator	Mimic Talussnail	CCA	S			1
Sonorella macrophallus	Wet Canyon Talussnail	CCA	S			1
Sonorella pedregosensis	Leslie Canyon Talussnail					2
Sonorella virilis	Chiricahua Talussnail					2
Sorex arizonae	Arizona Shrew	SC	S			2
Sorex navigator	Western Water Shrew		S			2
Spiranthes delitescens	Canelo Hills Ladies'-tresses	LE			HS	
Spizella breweri	Brewer's Sparrow					2
Stellaria porsildii	Porsild's Starwort		S			
Stenocereus thurberi	Organ Pipe Cactus					SR
Stephanomeria exigua ssp. exigua	Small Wirelettuce			S		

Page 17 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Status Species Documented within 3 Miles of Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Stevia lemmonii	Lemmon's Stevia		S			
Streptopus amplexifolius	White Mandarin Twisted Stalk				SR	
Strix occidentalis lucida	Mexican Spotted Owl	LT		S		1
Tadarida brasiliensis	Brazilian Free-tailed Bat					2
Tamiasciurus fremonti grahamensis	Mt Graham Red Squirrel	LE				1
Tantilla wilcoxi	Chihuahuan Black-headed Snake		S			2
Tantilla yaquia	Yaqui Black-headed Snake		S			2
Terrapene ornata luteola	Desert Box Turtle			S		1
Terrapene ornata	Ornate Box Turtle			S		1
Thamnophis eques megalops	Northern Mexican Gartersnake	LT	S	S		1
Thamnophis rufipunctatus	Narrow-headed Gartersnake	LT	S	S		1
Thelypteris puberula var. sonorensis	Aravaipa Woodfern		S	S		
Thomomys bottae mearnsi	Mearns' Southern Pocket Gopher	SC				
Thomomys umbrinus intermedius	Southern Pocket Gopher					2
Tiaroga cobitis	Loach Minnow	LE		S		1
Toxostoma bendirei	Bendire's Thrasher					2
Toxostoma lecontei	LeConte's Thrasher			S		2
Tragia laciniata	Sonoita Noseburn		S			
Triteleopsis palmeri	Blue Sand Lily			S	SR	
Trogon elegans	Elegant Trogon		S			2
Tryonia gilae	Gila Tryonia			S		1
Tryonia quitobaquiae	Quitobaquito Tryonia	PE				1
Tuberochernes ubicki	A Cave Obligate Pseudoscorpion		S			
Tyrannus crassirostris	Thick-billed Kingbird		S			2
Uma rufopunctata	Yuman Desert Fringe-toed Lizard	SC		S		2
Uma thurmanae	Mohawk Dunes Fringe-toad Lizard			S		2
Vauquelinia californica ssp. pauciflora	Limestone Arizona Rosewood	SC			SR	
Vauquelinia californica ssp. sonorensis	Arizona Sonoran Rosewood			S		
Viola umbraticola	Ponderosa Violet		S			
Vireo vicinior	Gray Vireo		S			2
Xantusia bezyi	Bezy's Night Lizard		S			2
Zigadenus virescens	Green Death Camas				SR	
Zonotrichia leucophrys oriantha	Mountain West White-crowned Sparrow					2

Note: Status code definitions can be found at <https://www.azgfd.com/wildlife-conservation/on-the-ground-conservation/state-wildlife-action-plan/state-wildlife-action-plan-status-definitions/>.

Page 18 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Areas Documented that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Aguila Mtns - Crater Range	Maricopa County Wildlife Movement Area - Landscape					
Aguilas Mtns - Granite Mtns	Maricopa County Wildlife Movement Area - Landscape					
Ajo Range to Mesquite Mountains	Pima County Wildlife Movement Area - Landscape					
Ajo Range/Barajita Valley Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Altar Wash	Pima County Wildlife Movement Area - Riparian/Wash					
Alvarez/Artesa Mountains/Vamori Valley Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Antelope Tank (Babocomari R)	Conservation Opportunity Area					
Appleton-Whittell Research Ranch (NAS) IBA	Important Bird Area					
Appleton-Whittell and Las Cienagas	Conservation Opportunity Area					
Aravaipa Canyon Ecosystem	Conservation Opportunity Area					
Aravaipa Creek (Lower Aravaipa Creek)	Conservation Opportunity Area					
Arivaca Cienaga/Arivaca Creek IBA	Important Bird Area					
Arivaca/Cedar Creek	Pima County Wildlife Movement Area - Riparian/Wash					
Arnett Creek (Upper Queen Creek)	Conservation Opportunity Area					
Ash Creek (Salt River Draw-Salt River)	Conservation Opportunity Area					
Atascosa Highlands IBA	Important Bird Area					
Atascosa Highlands	Conservation Opportunity Area					
Baboquivari Mountains through Brown Canyon/Las Guijas Wash to Sierrita Mountains	Pima County Wildlife Movement Area - Landscape					
Baboquivari Mountains through Fresno Wash to Sierrita Mountains	Pima County Wildlife Movement Area - Landscape					
Baboquivari/Coyote/Quinlan Mountains Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Bald Hill Tank (Babocomari R)	Conservation Opportunity Area					
Batamote/Pozo Redondo/Souceda/Sikort Chuapo Mountains Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Bates Mountain/Puerto Blanco Mountains to Ajo Range across State Route 85	Pima County Wildlife Movement Area - Landscape					
Bates Well	Pima County Wildlife Movement Area - Diffuse					

Page 19 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Areas Documented that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Bear Creek (Headwaters Las Nutrias)	Conservation Opportunity Area					
Big Tank	Conservation Opportunity Area					
Boghole Ciénega	Conservation Opportunity Area					
Bonita Creek	Conservation Opportunity Area					
Boyce Thompson Arboretum (Upper Queen Creek)	Conservation Opportunity Area					
Boyce Thompson Arboretum/Arnett-Queen Creeks IBA	Important Bird Area					
Brown Wash	Pima County Wildlife Movement Area - Riparian/Wash					
Buenos Aires NWR and Altar Valley	Conservation Opportunity Area					
Buenos Aires National Wildlife Refuge Wildland Block	Pima County Wildlife Movement Area - Diffuse					
CH for Coccyzus americanus	Yellow-billed Cuckoo Designated Critical Habitat					
CH for Cyprinodon eremus	Quitobaquito Desert Pupfish Designated Critical Habitat					
CH for Empidonax traillii extimus	Southwestern Willow Flycatcher Designated Critical Habitat					
CH for Eryngium sparganophyllum	Arizona Eryngo Designated Critical Habitat					
CH for Gila intermedia	Gila Chub Designated Critical Habitat					
CH for Kinosternon sonoriense longifemorale	Sonoyta Mud Turtle Designated Critical Habitat					
CH for Lilaeopsis schaffneriana ssp. recurva	Huachuca Water Umbel Designated Critical Habitat					
CH for Meda fulgida	Spikedace Designated Critical Habitat					
CH for Panthera onca	Jaguar Designated Critical Habitat					
CH for Rana chiricahuensis	Chiricahua Leopard Frog Designated Critical Habitat					
CH for Tamiasciurus fremonti grahamensis	Mt Graham Red Squirrel Designated Critical Habitat					
CH for Thamnophis eques megalops	Northern Mexican gartersnake Designated Critical Habitat					
CH for Tiaroga cobitis	Loach Minnow Designated Critical Habitat					
CH for Xyrauchen texanus	Razorback Sucker Designated Critical Habitat					
Campaign Creek (Pinto Creek)	Conservation Opportunity Area					
Canyon Passes between Superior and Globe	Pinal County Wildlife Movement Area - Landscape					
Cave Canyon	Conservation Opportunity Area					

Page 20 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Areas Documented that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Cave Creek Drainage Streams (Cave Creek-San Simon River)	Conservation Opportunity Area					
Charlebois Spring (Salt River-Apache, Canyon, and Saguaro Lake)	Conservation Opportunity Area					
Child's Valley	Pima County Wildlife Movement Area - Diffuse					
Chiracahua Mountains	Conservation Opportunity Area					
Chiricahua Mountains IBA	Important Bird Area					
Ciénega Creek - Headwaters to I-10	Conservation Opportunity Area					
Cold Springs (Black Rock Wash-Gila River)	Conservation Opportunity Area					
Comobabi Mountains Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Comobabi Mountains to Baboquivari Valley	Pima County Wildlife Movement Area - Landscape					
Coon Creek (Salt River-Theodore Roosevelt Lake)	Conservation Opportunity Area					
Cott Tank Drainage	Conservation Opportunity Area					
Cottonwood Spring	Conservation Opportunity Area					
Coyote-Baboquivari	Conservation Opportunity Area					
Crater Range - Childs Mountain	Maricopa County Wildlife Movement Area - Landscape					
Crater Range - Growler Mountains	Maricopa County Wildlife Movement Area - Landscape					
Crater Range - Saucedo Mountains	Maricopa County Wildlife Movement Area - Landscape					
Crater Range/Childs/Little Ajo Mountains to Batamote/Sauceda Mountains	Pima County Wildlife Movement Area - Landscape					
Dale's Tank	Conservation Opportunity Area					
Deer Creek - Aravaipa (Lower Aravaipa Creek)	Conservation Opportunity Area					
Devil's Canyon	Pinal County Wildlife Movement Area - Diffuse					
Dragoon Mountains	Conservation Opportunity Area					
El Capitan - Aravaipa Canyon	Pinal County Wildlife Movement Area - Landscape					
Esperanza/Demetrie Wash	Pima County Wildlife Movement Area - Riparian/Wash					
Fish Creek (Salt River-Apache, Canyon, and Saguaro Lake)	Conservation Opportunity Area					
Florence Military Reservation	Pinal County Wildlife Movement Area - Landscape					

Page 21 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Areas Documented that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Freeman Spring (Babocomari R)	Conservation Opportunity Area					
Fresno Spring	Conservation Opportunity Area					
Galiuro - Pinaleno - Dos Cabezas Linkage Design	Wildlife Connectivity					
Galiuro Mountains - Santa Catalina Mountains	Pinal County Wildlife Movement Area - Landscape					
Galiuro Mountains - Tortilla Mountains	Pinal County Wildlife Movement Area - Landscape					
Galiuro-Winchester	Conservation Opportunity Area					
Gardner Canyon	Conservation Opportunity Area					
Gardner Canyon	Pima County Wildlife Movement Area - Riparian/Wash					
Gardner Canyon/State Route 83 Pronghorn Linkage	Pima County Wildlife Movement Area - Landscape					
Gila Box	Conservation Opportunity Area					
Gila River - San Pedro River	Pinal County Wildlife Movement Area - Riparian/Wash					
Gila River to Lake St. Claire	Pinal County Wildlife Movement Area - Riparian/Wash					
Gila River	Conservation Opportunity Area					
Gila River	Pinal County Wildlife Movement Area - Riparian/Wash					
Growler Valley	Pima County Wildlife Movement Area - Diffuse					
Gu Vo Hills/Mesquite Mountains/La Quituni Valley Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Hess Canyon (Salt River Draw-Salt River)	Conservation Opportunity Area					
Home Ranch Tank (Upper Aravaipa Creek)	Conservation Opportunity Area					
Horse Tank	Conservation Opportunity Area					
Huachuca Mountains IBA	Important Bird Area					
Huachuca Mountains	Conservation Opportunity Area					
Important Connectivity Zone	Wildlife Connectivity					
Indian Allotments	Indian Allotments					
Ironwood National Monument - Vekol Mountains	Pinal County Wildlife Movement Area - Landscape					
Joaquin Creek (Headwaters Las Nutrias)	Conservation Opportunity Area					
Kingfisher Pond (SPRNCA)	Conservation Opportunity Area					
Kitt Peak Linkage Design	Wildlife Connectivity					
Kitt Peak State Route 86 (RTA Planned/Funded Underpass)	Pima County Wildlife Crossing Area					

Page 22 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Areas Documented that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Kitt Peak: Comobabi Mountains to Baboquivari/Coyote/Quinlan Mountains	Pima County Wildlife Movement Area - Landscape					
La Barge Creek (Salt River-Apache Canyon, and Saguaro Lake)	Conservation Opportunity Area					
Lampshire Canyon-Oak Grove Flat	Conservation Opportunity Area					
Las Cienegas NCA IBA	Important Bird Area					
Las Cienegas National Conservation Area to Audubon Appleton-Whittell Research Ranch	Pima County Wildlife Movement Area - Landscape					
Leslie Canyon NWR	Conservation Opportunity Area					
Lodge Pond	Conservation Opportunity Area					
Lone Mountain Canyon (Headwaters Las Nutrias)	Conservation Opportunity Area					
Lower Guesthouse Pond	Conservation Opportunity Area					
Lower San Pedro Preserve-East Pond (Dodson Wash - San Pedro R)	Conservation Opportunity Area					
Lower San Pedro Preserve-West Pond (Dodson Wash - San Pedro R)	Conservation Opportunity Area					
Lower San Pedro River IBA	Important Bird Area					
Lower San Pedro River	Conservation Opportunity Area					
Marley Ranch to Canoa Ranch	Pima County Wildlife Movement Area - Landscape					
Mescal Warm Spring (Dripping Springs Wash-Gila River)	Conservation Opportunity Area					
Mexico - Tumacacori - Baboquivari Connectivity Assessment	Wildlife Connectivity					
Mineral Creek (Mineral Creek-Gila River)	Conservation Opportunity Area					
Mineral Mountains	Pinal County Wildlife Movement Area - Diffuse					
Mohawks	Conservation Opportunity Area					
Monkey Spring	Conservation Opportunity Area					
Mud Spring (Headwaters Las Nutrias)	Conservation Opportunity Area					
Mule Mountains	Conservation Opportunity Area					
Murray Spring (SPRNCA)	Conservation Opportunity Area					
N/A	Apache/Navajo Counties Wildlife Movement Area - Diffuse					
O'Donnell Canyon (Babocomari R)	Conservation Opportunity Area					

Page 23 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Areas Documented that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Organ Pipe Cactus National Monument/State Route 85 Wash Crossings	Pima County Wildlife Crossing Area					
Patagonia - Santa Rita Linkage Design	Wildlife Connectivity					
Patagonia Mountains IBA	Important Bird Area					
Patagonia Mountains	Conservation Opportunity Area					
Patagonia Sonoita Creek TNC Preserve IBA	Important Bird Area					
Peck Canyon	Conservation Opportunity Area					
Peloncillo Mountains South	Conservation Opportunity Area					
Peterson Ranch Pond	Conservation Opportunity Area					
Pinal Creek (Pinal Creek)	Conservation Opportunity Area					
Pinaleño Mountains IBA	Important Bird Area					
Pinaleño Mountains Streams (Cottonwood Wash, and Stockton Wash-Gila River)	Conservation Opportunity Area					
Pinaleño Mountains	Conservation Opportunity Area					
Pinto Creek (Pinto Creek)	Conservation Opportunity Area					
Porter Springs Wash and Cold Springs	Conservation Opportunity Area					
Post Canyon (Babocomari R)	Conservation Opportunity Area					
Pozo Redondo Mountains to Ajo Range	Pima County Wildlife Movement Area - Landscape					
Pozo Verde Mountains to Mexico	Pima County Wildlife Movement Area - Landscape					
Queen Creek - Gila River Indian Community	Maricopa County Wildlife Movement Area - Riparian/Wash					
Queen Creek - Gila River Indian Community	Pinal County Wildlife Movement Area - Riparian/Wash					
Queen Creek	Conservation Opportunity Area					
Queen Valley - Middle Gila/Mineral Mountains	Pinal County Wildlife Movement Area - Landscape					
Quijotoa Mountains to Alvarez Mountains	Pima County Wildlife Movement Area - Landscape					
Quijotoa Mountains to Brownell Mountains	Pima County Wildlife Movement Area - Landscape					
Quijotoa Mountains/Quijotoa Valley Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Quitobaquito	Conservation Opportunity Area					
Ray Copper Mine	Pinal County Wildlife Movement Area - Diffuse					
Reavis Creek	Conservation Opportunity Area					

Page 24 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Areas Documented that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Redrock Canyon	Conservation Opportunity Area					
Rincon - Santa Rita - Whetstone Linkage Design	Wildlife Connectivity					
Riparian Area	Riparian Area					
San Bernardino National Wildlife Refuge	Conservation Opportunity Area					
San Carlos Indian Reservation	San Carlos Indian Reservation					
San Cristobal Valley/Antelope Hills	Pima County Wildlife Movement Area - Diffuse					
San Luis Mountains/Coches Ridge to Mexico	Pima County Wildlife Movement Area - Landscape					
San Pedro Riparian National Conservation Area IBA	Important Bird Area					
San Pedro Riparian National Conservation Area	Conservation Opportunity Area					
San Pedro River-Lower Reach (Near San Manuel-Gila R Conf.) (Tucson Wash, Dodson Wash-San Pedro R)	Conservation Opportunity Area					
San Pedro River-Upper Reach (International Border-Near St. David, Montezuma Canyon, Banning Creek, Walnut Gulch, Clifford Wash-San Pedro R)	Conservation Opportunity Area					
San Rafael Grasslands IBA	Important Bird Area					
San Rafael Grasslands	Conservation Opportunity Area					
Santa Catalina/Rincon - Galiuro Connectivity Assessment	Wildlife Connectivity					
Santa Cruz River Headwaters to International Border	Conservation Opportunity Area					
Santa Rita - Sierrita Linkage Design	Wildlife Connectivity					
Santa Rita - Tumacacori Linkage Design	Wildlife Connectivity					
Santa Rita Experimental Range/Coronado National Forest Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Santa Rita Mountains IBA	Important Bird Area					
Santa Rita Mountains	Conservation Opportunity Area					
Santa Teresa Wilderness	Conservation Opportunity Area					
Sauceda Mtns - Sand Tank Mtns	Maricopa County Wildlife Movement Area - Landscape					
Sells Valley to Artesa Mountains	Pima County Wildlife Movement Area - Landscape					

Page 25 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Areas Documented that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Sells Valley to Comobabi Mountains	Pima County Wildlife Movement Area - Landscape					
Sells/Gu Oidak Valley Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Sentinel Plains	Maricopa County Wildlife Movement Area - Diffuse					
Sierra Blanca/Brownell Mountains/Window Valley Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Sierra Pinta/O'Neil Hills/Agua Dulce Mountains	Pima County Wildlife Movement Area - Diffuse					
Sierrita Mountains Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Sonoita Creek Headwaters to Patagonia Lake	Conservation Opportunity Area					
Sonoita Creek TNC Preserve	Conservation Opportunity Area					
Sonoran Desert Borderlands IBA	Important Bird Area					
Sonoran Desert Borderlands	Conservation Opportunity Area					
Sopori Wash	Pima County Wildlife Movement Area - Riparian/Wash					
State Route 286 East to State Route 286 West	Pima County Wildlife Movement Area - Landscape					
Superstition Mtns - Mazatzal Mtns	Maricopa County Wildlife Movement Area - Landscape					
Sycamore Spring (Headwaters Las Nutrias)	Conservation Opportunity Area					
Tabletop Mountains - Little Tabletop Mountains	Pinal County Wildlife Movement Area - Landscape					
Telegraph and Mescal Fires	Conservation Opportunity Area					
Ten Mile Wash	Maricopa County Wildlife Movement Area - Riparian/Wash					
Tohono Indian Reservation	Tohono Indian Reservation					
Tonto Forest West of Superior through Gonzales Pass	Pinal County Wildlife Movement Area - Landscape					
Tortilla Creek Drainage (Salt River-Apache, Canyon, and Saguaro Lake)	Conservation Opportunity Area					
Tortilla Mountains - Ripsey Wash - Donally Wash	Pinal County Wildlife Movement Area - Landscape					
Tortolita Mountains - Tortilla Mountains	Pinal County Wildlife Movement Area - Landscape					
Tumacacori/San Luis Mountains Wildland Block	Pima County Wildlife Movement Area - Diffuse					
Turkey Creek (Babocomari R)	Conservation Opportunity Area					

Page 26 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Special Areas Documented that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Two Bar Ridge - Roosevelt Lake	Maricopa County Wildlife Movement Area - Landscape					
Upper Guesthouse Pond	Conservation Opportunity Area					
Upper Little Colorado River Watershed IBA	Important Bird Area					
Upper Little Colorado River Watershed	Conservation Opportunity Area					
Valley north and east of the San Tan Mountains	Pinal County Wildlife Movement Area - Landscape					
Vekol Valley - Rainbow Valley	Maricopa County Wildlife Movement Area - Diffuse					
West Fork Little Colorado River - fish barrier to headwaters	Conservation Opportunity Area					
West Fork Pinto Creek (Pinto Creek)	Conservation Opportunity Area					
West Turkey Creek (Turkey Creek)	Conservation Opportunity Area					
Whetstone Mountains to Las Cienegas National Conservation Area	Pima County Wildlife Movement Area - Landscape					
Whetstone Mountains	Conservation Opportunity Area					
White Hills - Saucedo Mtns	Maricopa County Wildlife Movement Area - Landscape					
White Mtn Apache Indian Reservation	White Mtn Apache Indian Reservation					
Whitewater Draw State Wildlife Area IBA	Important Bird Area					
Whitewater Draw State Wildlife Area	Conservation Opportunity Area					

Note: Status code definitions can be found at <https://www.azgfd.com/wildlife-conservation/on-the-ground-conservation/state-wildlife-action-plan/state-wildlife-action-plan-status-definitions/>.

Species of Greatest Conservation Need Predicted that Intersect with Project Footprint as Drawn, based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Accipiter atricapillus	American Goshawk	SC	S	S		2
Aechmophorus clarkii	Clark's Grebe					2
Aechmophorus occidentalis	Western Grebe					2
Agosia chrysogaster	Longfin Dace	SC		S		2
Ambystoma mavortium stebbinsi	Sonoran Tiger Salamander	LE				1
Ammodramus savannarum ammodramus	Arizona grasshopper sparrow		S	S		2
Ammodramus savannarum perpallidus	Western Grasshopper Sparrow					2
Ammospermophilus harrisi	Harris' Antelope Squirrel					2

Page 27 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Species of Greatest Conservation Need Predicted that Intersect with Project Footprint as Drawn, based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Amphispiza quinquestrata	Five-striped Sparrow					2
Anaxyrus microscaphus	Arizona Toad	SC		S		2
Anaxyrus retiformis	Sonoran Green Toad			S		2
Anodonta californiensis	California Floater	SC	S			1
Anthus spragueii	Sprague's Pipit	SC				2
Antilocapra americana americana	American Pronghorn					2
Antilocapra americana sonoriensis	Sonoran Pronghorn	LE,XN		S		1
Antrostomus ridgwayi	Buff-collared Nightjar		S			2
Aquila chrysaetos	Golden Eagle			S		2
Artemisospiza nevadensis	Sagebrush Sparrow					3
Ashmunella chiricahuana	Cave Creek Woodlandsnail					2
Ashmunella levettei	Huachuca Woodlandsnail	UR				2
Asio otus	Long-eared Owl					2
Aspidoscelis sonora	Sonoran Spotted Whiptail					2
Aspidoscelis stictogrammus	Giant Spotted Whiptail	SC	S			2
Aspidoscelis xanthonotus	Red-backed Whiptail	SC	S			2
Athene cunicularia hypugaea	Western Burrowing Owl	SC	S	S		2
Auriparus flaviceps	Verdin					2
Baeolophus ridgwayi	Juniper Titmouse					3
Botaurus lentiginosus	American Bitter					2
Buteo regalis	Ferruginous Hawk	SC		S		2
Buteo swainsoni	Swainson's Hawk					2
Buteogallus anthracinus	Common Black Hawk					2
Calcarius ornatus	Chestnut-collared Longspur					2
Callipepla squamata	Scaled Quail					2
Callospermophilus lateralis	Golden-mantled Ground Squirrel					2
Calypte costae	Costa's Hummingbird					2
Camptostoma ornatum	Mexican Stoneroller	SC	S			2
Camptostoma imberbe	Northern Beardless-Tyrannulet		S			2
Campylorhynchus brunneicapillus	Cactus Wren					2
Canis lupus baileyi	Mexican Wolf	LE,XN		S		1
Cardellina rubrifrons	Red-faced Warbler					2
Catharus ustulatus	Swainson's Thrush					2
Catostomus bernardini	Yaqui Sucker					2
Catostomus clarkii	Desert Sucker	SC	S	S		2
Catostomus discobolus	Bluehead Sucker	PS		S		2
Catostomus insignis	Sonora Sucker	SC	S	S		2
Catostomus latipinnis	Flannelmouth Sucker	CCA		S		2
Catostomus sp. 3	Little Colorado Sucker	CCA	S	S		2

Page 28 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Species of Greatest Conservation Need Predicted that Intersect with Project Footprint as Drawn, based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Chaetodipus baileyi	Bailey's Pocket Mouse					2
Charadrius montanus	Mountain Plover	SC				2
Charadrius nivosus nivosus	Western Snowy Plover					2
Chilomeniscus cinctus	Variable Sandsnake					2
Chionactis palarristris	Sonoran Shovel-nosed Snake					2
Choronycteris mexicana	Mexican Long-tongued Bat	SC	S	S		2
Chordeiles minor	Common Nighthawk					2
Cinclus mexicanus	American Dipper					2
Coccothraustes vespertinus	Evening Grosbeak					2
Coccyzus americanus	Yellow-billed Cuckoo (Western DPS)	LT	S	S		1
Colaptes chrysoides	Gilded Flicker			S		2
Colinus virginianus ridgwayi	Masked Bobwhite	LE				1
Coluber bilineatus	Sonoran Whipsnake					2
Columbina inca	Inca Dove					2
Contopus cooperi	Olive-sided Flycatcher	SC				2
Corvus cryptoleucus	Chihuahuan Raven					2
Corynorhinus townsendii pallascens	Pale Townsend's Big-eared Bat	SC	S	S		1
Craugastor augusti	Barking Frog					2
Crotalus cerberus	Arizona Black Rattlesnake					2
Crotalus lepidus	Rock Rattlesnake					1
Crotalus pricei	Twin-spotted Rattlesnake		S			1
Crotalus tigris	Tiger Rattlesnake					2
Crotalus willardi obscurus	New Mexico Ridge-nosed Rattlesnake	LT		S		1
Crotalus willardi willardi	Arizona Ridge-nosed Rattlesnake		S			1
Crotaphytus nebrius	Sonoran Collared Lizard					2
Cynanthus latirostris	Broad-billed Hummingbird		S			2
Cynomys gunnisoni	Gunnison's Prairie Dog	SC		S		1
Cynomys ludovicianus	Black-tailed Prairie Dog	CCA		S		1
Cyprinella formosa	Beautiful Shiner	LT				1
Cyprinodon macularius	Desert Pupfish	LE		S		1
Cyrtonyx montezumae	Montezuma Quail					3
Dendragapus obscurus	Dusky Grouse					2
Dendrocynna autumnalis	Black-bellied Whistling-Duck					2
Didelphis virginiana californica	Mexican Opossum					2
Dryobates arizonae	Arizona Woodpecker		S			2
Dumetella carolinensis	Gray Catbird		S			3
Elgaria kingii	Madrean Alligator Lizard					2
Empidonax fulvifrons pygmaeus	Northern Buff-breasted Flycatcher	SC	S			2

Page 29 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Species of Greatest Conservation Need Predicted that Intersect with Project Footprint as Drawn, based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Empidonax traillii eximius	Southwestern Willow Flycatcher	LE		S		1
Empidonax wrightii	Gray Flycatcher					2
Euderma maculatum	Spotted Bat	SC	S	S		2
Eugenes fulgens	Rivoli's Hummingbird					2
Eumops perotis californicus	Greater Western Bonneted Bat	SC		S		2
Eumops underwoodi	Underwood's Bonneted Bat	SC				2
Falco mexicanus	Prairie Falcon					2
Falco peregrinus anatum	American Peregrine Falcon	SC	S	S		1
Falco sparverius	American Kestrel					2
Gastrocopta dalliana	Shortneck Snaggletooth	CCA				1
Gastrophryne mazatlanensis	Sinoloan Narrow-mouthed Toad			S		2
Geothlypis tolmiei	MacGillivray's Warbler					2
Gila ditaenia	Sonora Chub	LT				1
Gila elegans	Bonytail Chub	LE		S		1
Gila intermedia	Gila Chub	LE		S		1
Gila purpurea	Yaqui Chub	LE				1
Gila robusta	Roundtail Chub	SC	S	S		1
Glaucidium brasilianum cactorum	Cactus Ferruginous Pygmy-owl	LT	S	S		1
Glaucidium gnoma californicum	Northern Pygmy-owl					2
Glaucidium gnoma gnoma	Mountain Pygmy-owl					2
Gopherus morafkai	Sonoran Desert Tortoise	CCA	S	S		1
Gyalopion quadrangulare	Thomscrub Hook-nosed Snake		S			2
Gymnorhinus cyanocephalus	Pinyon Jay	UR		S		2
Haemorhous cassinii	Cassin's Finch					2
Haliaeetus leucocephalus	Bald Eagle	SC	S	S		1
Heloderma suspectum	Gila Monster					1
Hyla wrightorum (Huachuca/Canelo Hills Pop.)	See: Hyla wrightorum	SC	S			1
Hypsiglena sp. nov.	Hooded Nightsnake					2
Ictalurus pricei	Yaqui Catfish	LT				1
Icterus bullockii	Bullock's Oriole					2
Icterus cucullatus	Hooded Oriole					2
Icterus parisorum	Scott's Oriole					2
Ictinia mississippiensis	Mississippi Kite					2
Idionycteris phyllotis	Allen's Lappet-browed Bat	SC	S	S		2
Inciilius alvarius	Sonoran Desert Toad					2
Ixobrychus exilis	Least Bittern					3
Junco phaeonotus	Yellow-eyed Junco		S			2
Kinostemon arizonense	Arizona Mud Turtle					2

Page 30 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Species of Greatest Conservation Need Predicted that Intersect with Project Footprint as Drawn, based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Kinosternon flavescens	Yellow Mud Turtle					2
Kinosternon sonoriense longifemorale	Sonoyta Mud Turtle	LE				1
Kinosternon sonoriense sonoriense	Desert Mud Turtle			S		2
Lampornis clemenciae	Blue-throated Mountain-gem					2
Lampropeltis gentilis	Western Milksnake					1
Lanius ludovicianus	Loggerhead Shrike	SC				2
Lasiurus cinereus	Hoary Bat					2
Lasiurus frantzii	Desert Red Bat		S			2
Lasiurus xanthinus	Western Yellow Bat		S			2
Leopardus pardalis	Ocelot	LE		S		1
Lepidomeda vittata	Little Colorado Spinedace	LT		S		1
Leptonycteris yerbabuenae	Lesser Long-nosed Bat	SC		S		1
Lepus alleni	Antelope Jackrabbit					2
Lichanura trivirgata	Three-Lined Boa	SC				2
Lontra canadensis sonora	Southwestern River Otter	SC				2
Macrotus californicus	California Leaf-nosed Bat	SC		S		2
Meda fulgida	Spikedace	LE		S		1
Megascops kennicottii	Western Screech-owl					2
Megascops trichopsis	Whiskered Screech-owl		S			2
Melanerpes lewis	Lewis's Woodpecker					2
Melanerpes uropygialis	Gila Woodpecker					2
Melospiza lincolni	Lincoln's Sparrow					2
Melospiza aberti	Abert's Towhee		S			2
Micrathene whitneyi	Elf Owl					3
Microtus longicaudus leucophaeus	White-bellied Long-tailed Vole		S			2
Microtus longicaudus	Long-tailed Vole					3
Microtus montanus	Montane Vole					2
Micruroides euryxanthus	Sonoran Coralsnake					2
Myadestes townsendi	Townsend's Solitaire					2
Myiarchus tuberculifer	Dusky-capped Flycatcher					2
Myiodynastes luteiventris	Sulphur-bellied Flycatcher		S			2
Myotis auriculus	Southwestern Myotis					2
Myotis thysanodes	Fringed Myotis	SC				2
Myotis velifer	Cave Myotis	SC		S		2
Myotis yumanensis	Yuma Myotis	SC				2
Neotamias cinereicollis	Gray-collared Chipmunk					2
Neotamias minimus	Least Chipmunk		S			2
Neotoma mexicana mexicana	Mexican Woodrat					2

Page 31 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Species of Greatest Conservation Need Predicted that Intersect with Project Footprint as Drawn, based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Neotoma stephensi	Stephen's Woodrat					2
Notiosorex cockrumi	Cockrum's Desert Shrew					2
Nyctinomops femorosaccus	Pocketed Free-tailed Bat					2
Nyctinomops macrotis	Big Free-tailed Bat	SC				2
Oncorhynchus apache	Apache Trout	LT,PD L				1
Oreohelix concentrata	Huachuca Mountainsnail					2
Oreohelix grahamensis	Pinaleno Mountainsnail	CCA	S			1
Oreohelix houghi	Diablo Mountainsnail					2
Oxybelis aeneus	Brown Vinesnake		S			2
Pachyrhamphus aglaiae	Rose-throated Becard		S			2
Panthera onca	Jaguar	LE		S		1
Parabuteo unicinctus	Harris's Hawk					2
Passerculus sandwichensis	Savannah Sparrow					2
Patagioenas fasciata	Band-tailed Pigeon					2
Perisoreus canadensis	Canada Jay					2
Perognathus amplus cineris	Wupatki Arizona Pocket Mouse	SC				2
Perognathus amplus	Arizona Pocket Mouse					2
Perognathus flavus goodpasteri	Springerville Pocket Mouse	SC	S			2
Peromyscus nasutus	Northern Rock Deermouse					2
Peucaea botteri arizonae	Arizona Botteri's Sparrow			S		2
Peucaea carpalis	Rufous-winged Sparrow					2
Peucedramus taeniatus	Olive Warbler					3
Phrynosoma goodei	Goode's Horned Lizard					2
Phrynosoma solare	Regal Horned Lizard					2
Phyllorhynchus browni	Saddled Leaf-nosed Snake					2
Pinicola enucleator	Pine Grosbeak					2
Plestiodon callicephalus	Mountain Skink		S			2
Poecile sclateri	Mexican Chickadee					2
Poeciliopsis occidentalis occidentalis	Gila Topminnow	LE,UR		S		1
Poeciliopsis occidentalis sonoriensis	Yaqui Topminnow	LE				1
Poliophtila nigriceps	Black-capped Gnatcatcher					2
Poocetes gramineus	Vesper Sparrow					2
Progne subis hesperia	Desert Purple Martin			S		2
Psiloscops flammeolus	Flammulated Owl					2
Ptychocheilus lucius	Colorado Pikeminnow	LE,XN				1
Pyrgulopsis arizonae	Bylas Springsnail	SC		S		1
Pyrgulopsis bernardina	San Bernardino Springsnail	LT				1

Page 32 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Species of Greatest Conservation Need Predicted that Intersect with Project Footprint as Drawn, based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Pyrgulopsis thompsoni</i>	Huachuca Springsnail	CCA	S			1
<i>Radiocentrum chiricahuana</i>	Chiricahua Mountainsnail					2
<i>Radiocentrum clappi</i>	Cave Creek Mountainsnail					2
<i>Rallus limicola</i>	Virginia Rail					3
<i>Rana blairi</i>	Plains Leopard Frog			S		1
<i>Rana chiricahuensis</i>	Chiricahua Leopard Frog	LT		S		1
<i>Rana pipiens</i>	Northern Leopard Frog		S	S		1
<i>Rana tarahumarae</i>	Tarahumara Frog	SC	S			1
<i>Rana yavapaiensis</i>	Lowland Leopard Frog	SC	S	S		1
<i>Rhynchophanes mccownii</i>	McCown's Longspur					2
<i>Sceloporus jarrovi</i>	Yarrow's Spiny Lizard					2
<i>Sceloporus slevini</i>	Slevin's Bunchgrass Lizard		S	S		2
<i>Sceloporus virgatus</i>	Striped Plateau Lizard					2
<i>Sciurus arizonensis</i>	Arizona Gray Squirrel					2
<i>Sciurus nayaritensis chiricahuae</i>	Chiricahua Fox Squirrel	SC	S			2
<i>Senticolis triaspis</i>	Green Ratsnake		S			2
<i>Setophaga graciae</i>	Grace's Warbler					2
<i>Setophaga nigrescens</i>	Black-throated Gray Warbler					2
<i>Sialia sialis fulva</i>	Azure Bluebird					2
<i>Sigmodon arizonae cienegae</i>	Arizona Cotton Rat					2
<i>Sigmodon hispidus</i>	Hispid Cotton Rat					2
<i>Sistrurus tergeminus</i>	Western Massasauga					1
<i>Smilisca fodiens</i>	Lowland Burrowing Treefrog			S		2
<i>Sonorella ashmuni</i>	Richinbar Talussnail					2
<i>Sonorella baboquivariensis</i>	Baboquivari Talussnail					2
<i>Sonorella christenseni</i>	Clark Peak Talussnail	CCA	S			1
<i>Sonorella dalli</i>	Garden Canyon Talussnail					2
<i>Sonorella danieli</i>	Bear Canyon Talussnail					2
<i>Sonorella galiuensis</i>	Galiuro Talussnail					2
<i>Sonorella grahamensis</i>	Pinaleno Talussnail	CCA	S			1
<i>Sonorella granulatissima</i>	Ramsey Canyon Talussnail					2
<i>Sonorella imitator</i>	Mimic Talussnail	CCA	S			1
<i>Sonorella macrophallus</i>	Wet Canyon Talussnail	CCA	S			1
<i>Sonorella rooseveltiana</i>	Roosevelt Talussnail					2
<i>Sonorella superstitionis</i>	Superstition Mountains Talussnail					2
<i>Sonorella virilis</i>	Chiricahua Talussnail					2
<i>Sonorella walkeri</i>	Santa Rita Talussnail					2
<i>Sorex arizonae</i>	Arizona Shrew	SC	S			2
<i>Sorex nanus</i>	Dwarf Shrew					2

Page 33 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Species of Greatest Conservation Need Predicted that Intersect with Project Footprint as Drawn, based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Sorex navigator</i>	Western Water Shrew		S			2
<i>Spizella breweri</i>	Brewer's Sparrow					2
<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	LT		S		1
<i>Sylvilagus nuttallii pinetis</i>	A Southwestern Cottontail					3
<i>Tadarida brasiliensis</i>	Brazilian Free-tailed Bat					2
<i>Tamiasciurus fremonti grahamensis</i>	Mt Graham Red Squirrel	LE				1
<i>Tantilla wilcoxi</i>	Chihuahuan Black-headed Snake		S			2
<i>Tantilla yaquia</i>	Yaqui Black-headed Snake		S			2
<i>Terrapene ornata</i>	Ornate Box Turtle			S		1
<i>Thamnophis eques</i>	Mexican Gartersnake	PS				1
<i>Thamnophis rufipunctatus</i>	Narrow-headed Gartersnake	LT	S	S		1
<i>Thomomys umbrinus intermedius</i>	Southern Pocket Gopher					2
<i>Tiaroga cobitis</i>	Loach Minnow	LE		S		1
<i>Toxostoma bendirei</i>	Bendire's Thrasher					2
<i>Toxostoma lecontei</i>	LeConte's Thrasher			S		2
<i>Troglodytes pacificus</i>	Pacific Wren					2
<i>Trogon elegans</i>	Elegant Trogon		S			2
<i>Tryonia gilae</i>	Gila Tryonia	SC		S		1
<i>Tryonia quitobaquiae</i>	Quitobaquito Tryonia	PE				1
<i>Tyrannus crassirostris</i>	Thick-billed Kingbird		S			2
<i>Uma rufopunctata</i>	Yuman Desert Fringe-toed Lizard	SC		S		2
<i>Uma thurmanae</i>	Mohawk Dunes Fringe-toad Lizard			S		2
<i>Vireo vicinior</i>	Gray Vireo		S			2
<i>Xantusia bezyi</i>	Bezy's Night Lizard		S			2
<i>Xyrauchen texanus</i>	Razorback Sucker	LE,PT		S		1
<i>Zapus hudsonius luteus</i>	New Mexico Meadow Jumping Mouse	LE	S			1
<i>Zonotrichia leucophrys oriantha</i>	Mountain West White-crowned Sparrow					2

Species of Economic and Recreation Importance Predicted that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Antilocapra americana americana</i>	America Pronghorn					
<i>Antilocapra americana sonoriensis</i>	Sonoran Pronghorn	LE				
<i>Callipepla gambelii</i>	Gambel's Quail					
<i>Callipepla squamata</i>	Scaled Quail					
<i>Cervus elaphus</i>	Elk					
<i>Cyrtonyx montezumae</i>	Montezuma Quail					
<i>Dendragapus obscurus</i>	Dusky Grouse					
<i>Meleagris gallopavo</i>	Wild Turkey					

Page 34 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Species of Economic and Recreation Importance Predicted that Intersect with Project Footprint as Drawn

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
<i>Odocoileus hemionus</i>	Mule Deer					
<i>Odocoileus virginianus</i>	White-tailed Deer					
<i>Ovis canadensis canadensis</i>	Rocky Mountain Bighorn Sheep					
<i>Ovis canadensis mexicana</i>	Mexicana Desert Bighorn Sheep					
<i>Patagioenas fasciata</i>	Band-tailed Pigeon					
<i>Pecari tajacu</i>	Javelina					
<i>Phasianus colchicus</i>	Ring-necked Pheasant					
<i>Puma concolor</i>	Mountain Lion					
<i>Sciurus aberti</i>	Abert's Squirrel					
<i>Sciurus nayaritensis chiricahuae</i>	Chiricahua Fox Squirrel			S		
<i>Sciurus nayaritensis</i>	Mexican Fox Squirrel					
<i>Tamiasciurus hudsonicus mogollonensis</i>	Red Squirrel					
<i>Ursus americanus</i>	American Black Bear					
<i>Zenaidura macroura</i>	White-winged Dove					
<i>Zenaidura macroura</i>	Mourning Dove					

Project Type: Military Activities, Development (new buildings, roads, etc.)

Project Type Recommendations:

Fence recommendations will be dependent upon the goals of the fence project and the wildlife species expected to be impacted by the project. General guidelines for ensuring wildlife-friendly fences include: barbless wire on the top and bottom with the maximum fence height 42", minimum height for bottom 16". Modifications to this design may be considered for fencing anticipated to be routinely encountered by elk, bighorn sheep or pronghorn (e.g., Pronghorn fencing would require 18" minimum height on the bottom). Please refer to the Department's Fencing Guidelines located on Wildlife Friendly Guidelines page, which is part of the Wildlife Planning button at <https://www.azgfd.com/wildlife-conservation/planning-for-wildlife/planning-for-wildlife-wildlife-friendly-guidelines/>.

During the planning stages of your project, please consider the local or regional needs of wildlife in regards to movement, connectivity, and access to habitat needs. Loss of this permeability prevents wildlife from accessing resources, finding mates, reduces gene flow, prevents wildlife from re-colonizing areas where local extirpations may have occurred, and ultimately prevents wildlife from contributing to ecosystem functions, such as pollination, seed dispersal, control of prey numbers, and resistance to invasive species. In many cases, streams and washes provide natural movement corridors for wildlife and should be maintained in their natural state. Uplands also support a large diversity of species, and should be contained within important wildlife movement corridors. In addition, maintaining biodiversity and ecosystem functions can be facilitated through improving designs of structures, fences, roadways, and culverts to promote passage for a variety of wildlife. Guidelines for many of these can be found at: <https://www.azgfd.com/wildlife-conservation/planning-for-wildlife/planning-for-wildlife-wildlife-friendly-guidelines/>.

Consider impacts of outdoor lighting on wildlife and develop measures or alternatives that can be taken to increase human safety while minimizing potential impacts to wildlife. Conduct wildlife surveys to determine species within project area, and evaluate proposed activities based on species biology and natural history to determine if artificial lighting may disrupt behavior patterns or habitat use. Use only the minimum amount of light needed for safety. Narrow spectrum bulbs should be used as often as possible to lower the range of species affected by lighting. All lighting should be shielded, canted, or cut to ensure that light reaches only areas needing illumination.

Page 35 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

Consider tower designs and/or modifications that reduce or eliminate impacts to migratory birds (i.e. free standing, minimally lighted structures).

Minimize the potential introduction or spread of exotic invasive species, including aquatic and terrestrial plants, animals, insects and pathogens. Precautions should be taken to wash and/or decontaminate all equipment utilized in the project activities before entering and leaving the site. See the Arizona Department of Agriculture website for a list of prohibited and restricted noxious weeds at <https://www.invasivespeciesinfo.gov/unitedstates/az.shtml> and the Arizona Native Plant Society <https://aznps.com/invas> for recommendations on how to control. To view a list of documented invasive species or to report invasive species in or near your project area visit iMapInvasives - a national cloud-based application for tracking and managing invasive species at <https://map.natureserve.org/imap/services/page/map.html>.

- To build a list: zoom to your area of interest, use the identify/measure tool to draw a polygon around your area of interest, and select "See What's Here" for a list of reported species. To export the list, you must have an account and be logged in. You can then use the export tool to draw a boundary and export the records in a csv file.

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 coordination with Project Evaluation Program for projects that could impact water resources, wetlands, streams, springs, and/or riparian habitats.

The Department recommends that wildlife surveys are conducted to determine if noise-sensitive species occur within the project area. Avoidance or minimization measures could include conducting project activities outside of breeding seasons.

Vegetation restoration projects (including treatments of invasive or exotic species) should have a completed site-evaluation plan (identifying environmental conditions necessary to re-establish native vegetation), a revegetation plan (species, density, method of establishment), a short and long-term monitoring plan, including adaptive management guidelines to address needs for replacement vegetation.

Project Location and/or Species Recommendations:

Analysis indicates that your project is located in the vicinity of an identified **wildlife habitat linkage corridor**. The **Arizona Missing Linkages** represent ideal connections within or between intact blocks or core habitats. The blocks are currently disconnected or isolated and the linkages should be examined for improving permeability, or are currently intact and in need of preservation and/or enhancement. The reports provide recommendations for opportunities to preserve or enhance permeability. Project planning and implementation efforts should focus on maintaining and improving opportunities for wildlife permeability. For information pertaining to the linkage assessment and wildlife species that may be affected, please refer to: <https://www.azgfd.com/wildlife/planning/habitatconnectivity/identifying-corridors/>. Please contact the Project Evaluation Program (pep@azgfd.gov) for specific project recommendations.

HDMS records indicate that one or more native plants listed on the **Arizona Native Plant Law and Antiquities Act** have been documented within the vicinity of your project area. Please contact: Arizona Department of Agriculture
1688 W Adams St.
Phoenix, AZ 85007
Phone: 602.542.4373
<https://agriculture.az.gov/sites/default/files/Native%20Plant%20Rules%20-%20AZ%20Dept%20of%20Ag.pdf> starts on page 44

Page 36 of 39

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

HDMS records indicate that **Black-tailed Prairie Dogs** have been documented within the vicinity of your project area. Please review the Black-tailed Prairie Dog Management Guidelines found at: <https://s3.amazonaws.com/azgfd-portal-wordpress/PortalImages/files/wildlife/planningForWildlifeFriendlyGuidelines/FINALCynoludoHabitatGdlns.pdf>

HDMS records indicate that **Chiricahua Leopard Frogs** have been documented within the vicinity of your project area. Please review the Chiricahua Leopard Frog Management Guidelines found at: <https://s3.amazonaws.com/azgfd-portal-wordpress/PortalImages/files/wildlife/planningForWildlifeFriendlyGuidelines/FINALLithchirHabitatGdlns.pdf>

Analysis indicates that your project is located in the vicinity of an identified **Conservation Opportunity Area (COA)**. While there are many areas in Arizona that present abundant conservation opportunities, COAs are specific areas on the landscape that the Department identified as having the greatest potential for conservation efforts. COAs were identified using species and habitat data, the presence of unique landscape features, and Departmental expertise. COAs range in size, scope, and focal species and/or habitats and are strictly a non-regulatory conservation tool for the public and our conservation partners to consider. For more information regarding this particular COA near your project area and the Department's suggestions for potential conservation efforts, please visit the COA profile at <https://awcs.azgfd.com/conservation-opportunity-areas>.

Analysis indicates that your project is located in the vicinity of an identified **wildlife habitat connectivity feature**. The **County-level Stakeholder Assessments** contain five categories of data (Barrier/Development, Wildlife Crossing Area, Wildlife Movement Area- Diffuse, Wildlife movement Area- Landscape, Wildlife Movement Area- Riparian/Washes) that provide a context of select anthropogenic barriers, and potential connectivity. The reports provide recommendations for opportunities to preserve or enhance permeability. Project planning and implementation efforts should focus on maintaining and improving opportunities for wildlife permeability. For information pertaining to the linkage assessment and wildlife species that may be affected, please refer to: <https://www.azgfd.com/wildlife-conservation/planning-for-wildlife/planning-for-wildlife-identifying-corridors/>. Please contact the Project Evaluation Program (pep@azgfd.gov) for specific project recommendations.

Analysis indicates that your project is located in the vicinity of an identified **wildlife habitat connectivity feature**. The **Detailed Wildlife Connectivity Assessments** represent ideal connections within or between intact blocks or core habitats. The blocks are currently disconnected or isolated and the linkages should be examined for improving permeability, or are currently intact and in need of preservation and/or enhancement. The reports provide recommendations for opportunities to preserve or enhance permeability. Project planning and implementation efforts should focus on maintaining and improving opportunities for wildlife permeability. For information pertaining to the linkage assessment and wildlife species that may be affected, please refer to: <https://www.azgfd.com/wildlife/planning/habitatconnectivity/identifying-corridors/>. Please contact the Project Evaluation Program (pep@azgfd.gov) for specific project recommendations.

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.

HDMS records indicate that **Lesser Long-nosed Bats** have been documented within the vicinity of your project area. Please review the Lesser Long-nosed Bat Management Guidelines at: <https://s3.amazonaws.com/azgfd-portal-wordpress/PortalImages/files/wildlife/planningForWildlifeFriendlyGuidelines/FINALlecyueHabitatGdln.pdf>

Page 37 of 39

Arizona Game and Fish Department project_report_natural_resources_sup_80271_82630_FINAL.pdf
Project ID: HGIS-22754 Review Date: 8/14/2024 11:35:26 AM

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 <https://www.fws.gov/office/arizona-ecological-services> or:

Phoenix Main Office
9828 North 31st Avenue #C3
Phoenix, AZ 85051-2517
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

HDMS records indicate that **Mount Graham Red Squirrel** have been documented within the vicinity of your project area. Please review the Mount Graham Red Squirrel Management Guidelines found at: <https://s3.amazonaws.com/azgfd-portal-wordpress/PortalImages/files/wildlife/planningForWildlifeFriendlyGuidelines/FINALTamihudsgrahamHabitatGdlns.pdf>

HDMS records indicate that **Peregrine Falcons** have been documented within the vicinity of your project area. Please review the Peregrine Falcon Management Guidelines at: <https://s3.amazonaws.com/azgfd-portal-wordpress/PortalImages/files/wildlife/planningForWildlifeFriendlyGuidelines/peregrineFalconConservGuidelines.pdf>

This review has identified **riparian areas** within the vicinity of your project. During the planning stage of your project, avoid, minimize, or mitigate any potential impacts to riparian areas identified in this report. Riparian areas play an important role in maintaining the functional integrity of the landscape, primarily by acting as natural drainages that convey water through an area, thereby reducing flood events. In addition, riparian areas provide important movement corridors and habitat for fish and wildlife. Riparian areas are channels that contain water year-round or at least part of the year. Riparian areas also include those channels which are dry most of the year, but may contain or convey water following rain events. All types of riparian areas offer vital habitats, resources, and movement corridors for wildlife. The Pinal County Comprehensive Plan (i.e. policies 6.1.2.1 and 7.1.2.4), Open Space and Trails Master Plan, Drainage Ordinance, and Drainage Design Manual all identify riparian area considerations, guidance, and policies. Guidelines to avoid, minimize, or mitigate impacts to riparian habitat can be found at <https://www.azgfd.com/wildlife-conservation/planning-for-wildlife/planning-for-wildlife-wildlife-friendly-guidelines/>. Further consultation with the Arizona Game and Fish Department and Pinal County may be warranted.

HDMS records indicate that **Sonoran Desert Tortoise** have been documented within the vicinity of your project area. Please review the Tortoise Handling Guidelines found at <https://s3.amazonaws.com/azgfd-portal-wordpress/PortalImages/files/wildlife/2014%20Tortoise%20handling%20guidelines.pdf>.

Analysis indicates that your project is located in the vicinity of an identified **wildlife habitat connectivity feature**. The **Statewide Wildlife Connectivity Assessment's Important Connectivity Zones (ICZs)** represent general areas throughout the landscape which contribute the most to permeability of the whole landscape. ICZs may be used to help identify, in part, areas where more discrete corridor modeling ought to occur. The reports provide recommendations for opportunities to preserve or enhance permeability. Project planning and implementation efforts should focus on maintaining and improving opportunities for wildlife permeability. For information pertaining to the linkage assessment and wildlife species that may be affected, please refer to: https://s3.amazonaws.com/azgfd-portal-wordpress/azgfd/wp-content/uploads/0001/01/23120719/ALIWCA_Final_Report_Perkl_2013_lowres.pdf. Please contact the Project Evaluation Program (pep@azgfd.gov) for specific project recommendations.

Page 38 of 39

Arizona Game and Fish Department
Project ID: HGIS-22754

project_report_natural_resources_sup_80271_82630_FINAL.pdf
Review Date: 8/14/2024 11:35:26 AM

HDMS records indicate that **Western Burrowing Owls** have been documented within the vicinity of your project area. Please review the western burrowing owl resource page at <https://www.azgfd.com/wildlife-conservation/conservation-and-endangered-species-programs/burrowing-owl-management/>.



USFWS Section 7 Informal Consultation Letter



DEPARTMENT OF THE AIR FORCE
355TH FIGHTER WING
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA

August 27, 2024

Barbara Long, PMAES, DAFC
Cultural/Natural Resources and NEPA Manager
355 CES/CEIE
3775 South Fifth Street
Davis-Monthan AFB AZ 85707-3012

Heather Whitlaw
Field Supervisor
U.S. Fish and Wildlife Service
Arizona Ecological Services Field Office
9828 North 31st Ave #c3
Phoenix AZ 85051-2517

Project Codes: 2024-0105883; 2024-0129675

Dear Ms. Whitlaw

The United States (U.S.) Department of the Air Force (DAF) is preparing an Environmental Impact Statement (EIS) to analyze the potential environmental consequences that could result from the 492nd Special Operations Wing (492 SOW) Beddown at Davis-Monthan Air Force Base (AFB), Arizona. This letter serves to facilitate informal consultation with the U.S. Fish and Wildlife Service (USFWS) and to request concurrence with the DAF's determination of *No Effects* to federally listed species from the Proposed Action.

Project Description. The Proposed Action analyzed in the EIS addresses several actions associated with Davis-Monthan AFB, Air Force Special Operations Command (AFSOC), and Air Combat Command (ACC). The actions include the beddown of the 492 SOW, the transfer of Special Tactics and Special Operations Theater Air Operations Squadrons to Davis-Monthan AFB, activation of an ACC Intelligence Squadron (IS) and facilities and infrastructure construction, renovation, and demolition projects. In addition, the EIS will analyze interim conditions, defined as the timeframe between the Phase 1 and planned Phase 2 A-10 retirements, along with the No Action and Proposed Action Alternatives. Specific facilities on Davis-Monthan AFB that would be included as part of the Proposed Action are shown in Attachment 1. The airspace and ranges proposed for use are shown in Attachment 2.

Threatened and Endangered Species. The USFWS's Information for Planning and Consultation (IPaC) online system was accessed on June 18, 2024 and August 13, 2024, to identify federally listed species protected under the Endangered Species Act (ESA) (16 U.S. Code [USC] 1531–1544, as amended) with potential to occur within the region of

2

influence (ROI) (i.e., action area). The ROI for biological resources includes the base affected environment and the airspace and range affected environment.

Base Affected Environment – The base affected environment includes the areas affected by ground disturbance at Davis-Monthan AFB and the areas surrounding the base that currently experience aircraft noise of 65 decibel (dB) day-night average sound level (DNL) or greater (Attachment 1). Via an online letter dated June 18, 2024, the USFWS provided an automated official species list identifying 11 species (including 1 candidate species and 10 threatened and endangered species) with potential to occur in the base affected ROI for biological resources. No federally designated critical habitat occurs at or near the installation (Project Code: 2024-0105883) (Attachment 3) (USFWS 2024a). Refer to Attachment 5 for a list of these species, their preferred habitats, and effects determination rationales.

Airspace and Range Affected Environment – The airspace and range affected environment includes lands beneath the airspace and ranges proposed for use in southern Arizona and southwestern New Mexico (Attachment 2). Via an online letter dated August 13, 2024, the USFWS provided an additional automated official species list that identified 51 species with potential to occur on the lands beneath the airspace and ranges proposed for use. Additionally, there are 23 critical habitats wholly or partially beneath these areas. Refer to Attachment 4 for a copy of the IPaC letter that includes a comprehensive list of these species and critical habitats (Project Code: 2024-0129675) (USFWS 2024b).

Conclusion. Implementation of the Proposed Action would have a determination of *No Effects* to federally listed species.

Base Effects Determination – Because no federally listed threatened, endangered, or candidate species and/or designated critical habitat(s) occur at Davis-Monthan AFB (DAF, 2023a), no effects to federally listed species would result from implementation of the Proposed Action.

The annual estimated number of total 492 SOW aircraft operations is approximately 20,040 per year for all units. Based A-10 aircraft, which conduct 24,068 annual operations under interim conditions, would retire from Davis-Monthan AFB, resulting in a net decrease of 4,028 total airfield operations. Any decrease in airfield operations within the ROI could result in a decreased opportunity for bird-aircraft strikes to occur. Adherence to the existing Bird/Wildlife Aircraft Strike Hazard (BASH) program would minimize the risk of bird-aircraft strikes for migratory birds (DAF, 2023b). A decrease in airfield operations may reduce effects to nesting migratory birds in the ROI as well.

The DAF has determined that implementation of the Proposed Action would have no effects to federally listed species known to occur or with potential to occur in the areas affected by ground disturbance at Davis-Monthan AFB and the areas surrounding the base that experience aircraft noise of 65 dB DNL or greater.

Airspace and Range Effects Determination – It is anticipated that no adverse effects to federally listed species, critical habitats, migratory birds, and bald and golden eagles would result from implementation of the Proposed Action. When compared to interim conditions, there would be a decrease of 8,828 annual aircraft operations and there would be no changes to the lands beneath the airspace and ranges proposed for use. Ground disturbance beneath the airspace and ranges proposed for use would be limited to the use

3

of defensive countermeasures, such as chaff and flares, and munitions. Compared to interim conditions, munitions use at approved ranges would be reduced by 768,185 rounds per year and the use of defensive countermeasures (chaff and flares) would decrease by 45,680 per year.

All airspace proposed for use by AFSOC pilots is currently used as active military airspace by military jet aircraft; no new types of effects would be introduced into these areas.

When compared to interim conditions, the L_{day} (i.e., onset rate-adjusted day-night average, A-weighted sound level) would remain the same or decrease beneath all the airspace areas proposed for use, except under the Fort Huachuca Airspace (Restricted Area [R-2303] A/B/C) (Attachment 2). Under the Fort Huachuca airspace, the L_{day} would increase by 5 dB up to 54 dB. Wildlife under the Fort Huachuca Airspace have been previously exposed to aircraft noise and use of munitions and could be habituated to the environment and its ongoing military use. Under the Proposed Action, wildlife under the proposed airspace would not be exposed to a significant change in the noise environment.

Chaff and flares would be used as a defensive countermeasure by AFSOC pilots during training operations. Chaff and flares would only be used in airspace areas currently approved for such use. Flare use by pilots would conform to existing altitude and seasonal restrictions to ensure fire safety. Ordnance delivery would only occur in ranges authorized for such use. When compared to interim conditions, use of munitions and defensive countermeasures would decrease.

When compared to interim conditions, AFSOC aircraft operations would increase in some areas of special use airspace and decrease in others. These changes in operations are not anticipated to substantially change the BASH risk in the airspace. Current procedures for avoiding flight operations during periods of high concentrations of birds (both in space and time) would continue. Adherence to the existing BASH program would minimize the risk of bird-aircraft strikes to negligible levels.

As such, the DAF has determined that implementation of the Proposed Action would have no effects to federally listed species known to occur or with potential to occur in the land beneath the airspace and ranges proposed for use.

In accordance with Section 7(c) of the ESA, the Sikes Act (16 USC 670a-670o, 74 Stat. 1052), and as part of the DAF's Environmental Impact Analysis Process, the DAF requests your agency's concurrence on the effects determinations provided in this letter. In the meantime, if you have any comments or questions, please contact me by phone at (520) 228-4035 or refer to the project website at <https://492sow-beddown-eis.com>. Thank you for your assistance.

4

Sincerely

LONG.BARBARA.ELIS
ABETH.1176974512

Digitally signed by
LONG.BARBARA.ELISABETH.1176
924612
Date: 2024.09.03 15:32:51 -0700

BARBARA LONG, PMAES, DAFC
Cultural/Natural Resources and NEPA
Manager

Attachments:

1. Base Affected Environment Map
2. Airspace Affected Environment Map
3. IPaC Trust Resource Report – Base Affected Environment
4. IPaC Trust Resource Report – Airspace Affected Environment
5. Potential for Impacts from the Proposed Action to Federally Listed Species Known to Occur or With Potential to Occur in the Region of Influence

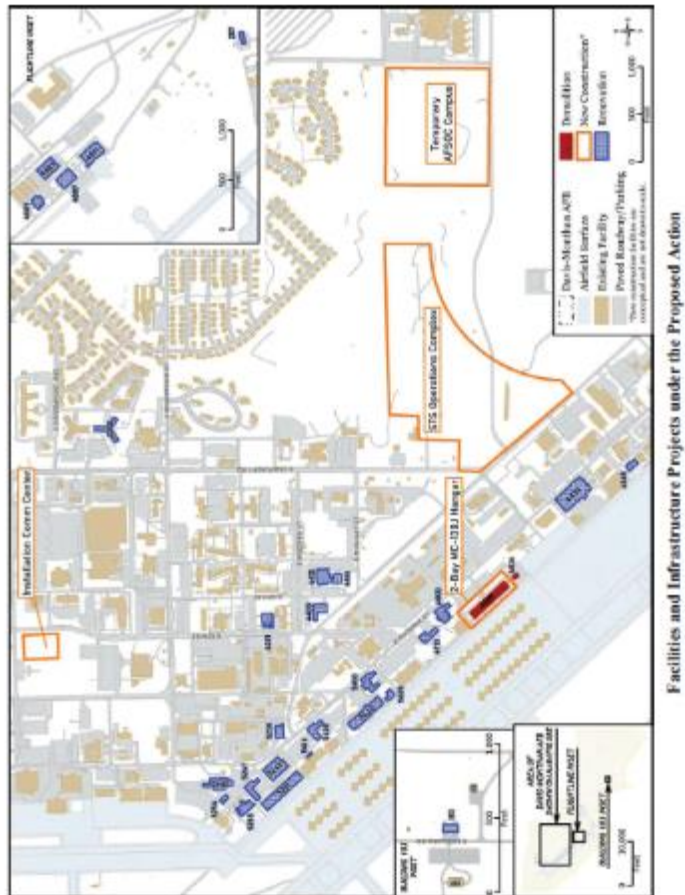
5

References:

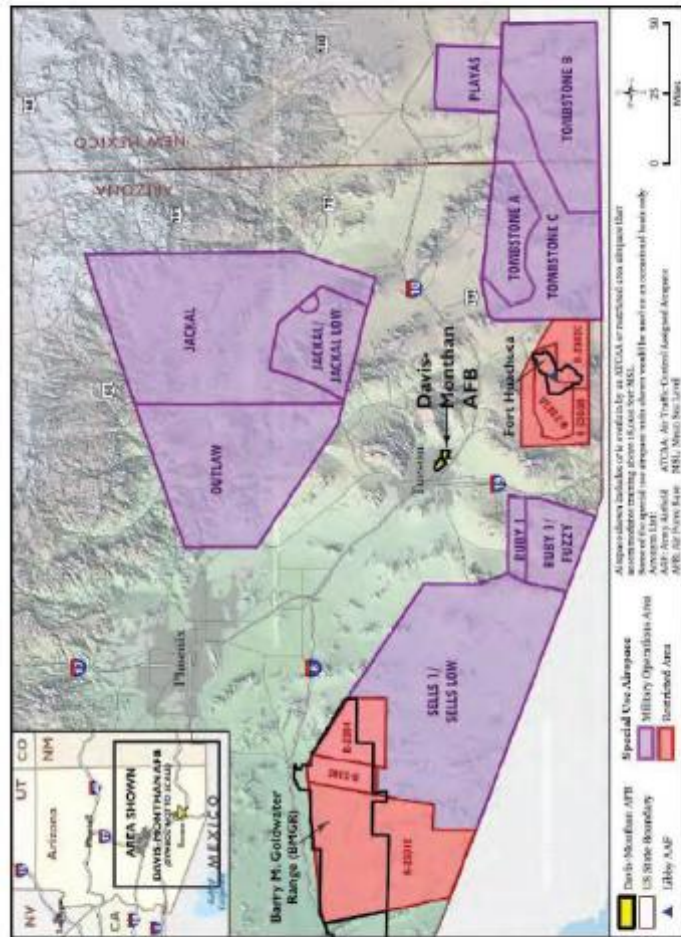
- DAF 2023a. Department of the Air Force (DAF). Davis-Monthan Air Force Base Integrated Natural Resource Management Plan. 2023.
- DAF 2023b. Department of the Air Force (DAF). 355th Wing Davis-Monthan Air Force Base Bird/Wildlife Aircraft Strike Hazard Plan. 2023.
- USFWS 2024a. United States Fish and Wildlife Service (USFWS). Information for Planning and Consultation - DM AFB Base Affected Environment ROL. Accessed online at: <https://ipac.ecosphere.fws.gov/>
- USFWS 2024b. United States Fish and Wildlife Service (USFWS). Information for Planning and Consultation - DM AFB Airspace Affected Environment ROL. Accessed online at: <https://ipac.ecosphere.fws.gov/>.

1
2

ATTACHMENT 1
BASE AFFECTED ENVIRONMENT MAP



ATTACHMENT 2
AIRSPACE AFFECTED ENVIRONMENT MAP



Airspace and Ranges under the Proposed Action

- 1 ATTACHMENT 3
- 2 IPAC TRUST RESOURCE REPORT – BASE AFFECTED ENVIRONMENT

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Arizona Ecological Services Field Office
9828 North 31st Ave
#c3
Phoenix, AZ 85051-2517
Phone: (602) 242-0210 Fax: (602) 242-2513



In Reply Refer To: 06/18/2024 20:37:48 UTC
Project Code: 2024-0105883
Project Name: NATURAL RESOURCES SUPPORT ON THE AFSOC BASING AND
BEDDOWN ENVIRONMENTAL IMPACT STATEMENT AT DM AFB

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 Fish and Wildlife Service (Service) is providing this list under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). The list you have generated identifies threatened, endangered, proposed, and candidate species, and designated and proposed critical habitat, that *may* occur within the One-Range that has been delineated for the species (candidate, proposed, or listed) and it's critical habitat (designated or proposed) with which your project polygon intersects. These range delineations are based on biological metrics, and do not necessarily represent exactly where the species is located. Please refer to the species information found on ECOS to determine if suitable habitat for the species on your list occurs in your project area.

The purpose of the Act is to provide a means whereby threatened and endangered species and the habitats 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 Federal trust resources and to determine whether projects may affect federally listed 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 the Federal action agency determines that listed species or critical habitat *may be affected* by a federally funded, permitted or authorized activity, the agency must consult with us pursuant to 50 CFR 402. Note that a "may affect" determination includes effects that may not be adverse and

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

that may be beneficial, insignificant, or discountable. An effect exists even if only one individual or habitat segment may be affected. The effects analysis should include the entire action area, which often extends well outside the project boundary or "footprint." For example, projects that involve streams and river systems should consider downstream affects. If the Federal action agency determines that the action may jeopardize a *proposed* species or may adversely modify *proposed* critical habitat, the agency must enter into a section 7 conference. The agency may choose to confer with us on an action that may affect proposed species or critical habitat.

Candidate species are those for which there is sufficient information to support a proposal for listing. Although candidate species have no legal protection under the Act, we recommend that they be considered in the planning process in the event they become proposed or listed prior to project completion. More information on the regulations (50 CFR 402) and procedures for section 7 consultation, including the role of permit or license applicants, can be found in our Endangered Species Consultation Handbook at: <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>.

We also advise you to consider species protected under the Migratory Bird Treaty Act (MBTA) (16 U.S.C. 703-712) and the Bald and Golden Eagle Protection Act (Eagle Act) (16 U.S.C. 668 *et seq.*). The MBTA prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when authorized by the Service. The Eagle Act prohibits anyone, without a permit, from taking (including disturbing) eagles, and their parts, nests, or eggs. Currently 1,026 species of birds are protected by the MBTA, including the western burrowing owl (*Athene cunicularia hypugaea*). Protected western burrowing owls can be found in urban areas and may use their nest/burrows year-round; destruction of the burrow may result in the unpermitted take of the owl or their eggs.

If a bald eagle or golden eagle nest occurs in or near the proposed project area, our office should be contacted for Technical Assistance. An evaluation must be performed to determine whether the project is likely to disturb or harm eagles. The National Bald Eagle Management Guidelines provide recommendations to minimize potential project impacts to bald eagles (see <https://www.fws.gov/law/bald-and-golden-eagle-protection-act> and <https://www.fws.gov/program/eagle-management>).

The Division of Migratory Birds (505/248-7882) administers and issues permits under the MBTA and Eagle Act, while our office can provide guidance and Technical Assistance. For more information regarding the MBTA, BGEPA, and permitting processes, please visit the following web site: <https://www.fws.gov/program/migratory-bird-permit>. Guidance for minimizing impacts to migratory birds for communication tower projects (e.g. cellular, digital television, radio, and emergency broadcast) can be found at <https://www.fws.gov/media/recommended-best-practices-communication-tower-design-siting-construction-operation>.

The U.S. Army Corps of Engineers (Corps) may regulate activities that involve streams (including some intermittent streams) and/or wetlands. We recommend that you contact the Corps to determine their interest in proposed projects in these areas. For activities within a National Wildlife Refuge, we recommend that you contact refuge staff for specific information

2 of 15

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

about refuge resources, please visit [this link](#) or visit <https://www.fws.gov/program/national-wildlife-refuge-system> to locate the refuge you would be working in or around.

If your action is on tribal land or has implications for off-reservation tribal interests, we encourage you to contact the tribe(s) and the Bureau of Indian Affairs (BIA) to discuss potential tribal concerns, and to invite any affected tribe and the BIA to participate in the section 7 consultation. In keeping with our tribal trust responsibility, we will notify tribes that may be affected by proposed actions when section 7 consultation is initiated. For more information, please contact our Tribal Coordinator, John Nystedt, at 928/556-2160 or John_Nystedt@fws.gov.

We also recommend you seek additional information and coordinate your project with the Arizona Game and Fish Department. Information on known species detections, special status species, and Arizona species of greatest conservation need, such as the western burrowing owl and the Sonoran desert tortoise (*Gopherus morafkai*) can be found by using their Online Environmental Review Tool, administered through the Heritage Data Management System and Project Evaluation Program (<https://www.azgfd.com/wildlife-conservation/planning-for-wildlife/project-evaluation-program/>).

We appreciate your concern for threatened and endangered species. 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. If we may be of further assistance, please contact our Flagstaff office at 928/556-2118 for projects in northern Arizona, our general Phoenix number 602/242-0210 for central Arizona, or 520/670-6144 for projects in southern Arizona.

Sincerely,
/s/

Heather Whitlaw
Field Supervisor
Attachment

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

3 of 15

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

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:

Arizona Ecological Services Field Office
9828 North 31st Ave
#c3
Phoenix, AZ 85051-2517
(602) 242-0210

4 of 15

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

PROJECT SUMMARY

Project Code: 2024-0105883

Project Name: NATURAL RESOURCES SUPPORT ON THE AFSOC BASING AND BEDDOWN ENVIRONMENTAL IMPACT STATEMENT AT DM AFB

Project Type: Airport - New Construction

Project Description: The Air Force Special Operations Command (AFSOC) is conducting a basing action at Davis-Monthan AFB in Arizona. As part of the basing action, an Environmental Impact Statement (EIS) will be prepared.

The EIS shall provide sufficient, documented information to analyze potential environmental impacts associated with several ongoing strategic basing actions. The first of these is the proposed divestment of 84x A-10C aircraft from Davis-Monthan AFB and the transfer of AFSOCs 492nd Special Operations Wing and subsequent missions. The A-10C aircraft currently assigned to Davis-Monthan AFB would be divested in two phases. The 354th FS would be inactivated and the 357th FS and 47th FS would be reduced in FY24, divesting 36 A-10C aircraft by the end of FY24. In FY26 the 357th FS and 47th FS would be inactivated, and the remaining 46 aircraft would be divested. There would be a reduction of approximately 2,274 manpower authorizations associated with the divestiture of the A-10s at Davis-Monthan.

AFSOC previously conducted a site visit to scope facilities. The AFSOC/A4IC and Det 3, IMSC team confirmed the condition and capacity for senior leadership decision space. AF/A8X provided guidance to focus on A-10C facilities only. The team compared the A-10C facilities with the AFSOC force structure to estimate beddown costing and requirements. Military Construction (MILCON) would potentially be programmed starting in FY28 and Facilities, Sustainment, Restoration, & Modification (FSRM) starting in FY26.

The following is a list of proposed/potential MILCON based on the site visit:

- 2-Bay MC-130J Hangar / AMU
- STS Aquatic Trainer Facility
- STS HPTC Facility
- STS Dual Sq Ops Complex
- Installation Comm Center

The following is a list of proposed FSRM based on the site visit:

- Back Shop Upgrades & Refresh
- Renovate CDCs for Tenant Wing HQ Campus
- Renovate 4413 & 1446 for MC-130J and OA-1K Simulators
- Refresh 5251 & 5247 for Armed Overwatch
- Refresh 4800/5600 for two MC-130J Squadron Operations

5 of 15

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

- ADAL Fac for SERE/AFE/Oss
- Refresh 5255 for MC-130J Corrosion Control
- Convert 4400 to SCIF (T-AOS)
- Restripe Ramp & Demo Sun Shades
- STS Climbing Tower
- Interim Swing Space

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.15863415,-110.83773354372195,14z>



Counties: Pima County, Arizona

6 of 15

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

ENDANGERED SPECIES ACT SPECIES

There is a total of 11 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.

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.

7 of 15

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

MAMMALS

NAME	STATUS
Ocelot <i>Leopardus (=Felis) pardalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4474	Endangered

BIRDS

NAME	STATUS
Cactus Ferruginous Pygmy-owl <i>Glaucidium brasilianum cactorum</i> There is final critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/1225	Threatened
California Least Tern <i>Sternula antillarum browni</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8104	Endangered
Yellow-billed Cuckoo <i>Coccyzus americanus</i> 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	Threatened

REPTILES

NAME	STATUS
Sonoyta Mud Turtle <i>Kinosternon sonoriense longifemorale</i> There is final critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/7276	Endangered

FISHES

NAME	STATUS
Gila Chub <i>Gila intermedia</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/51	Endangered
Gila Topminnow (incl. Yaqui) <i>Poeciliopsis occidentalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1116	Endangered

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

FLOWERING PLANTS

8 of 15

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base

Environmental Impact Statement

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

NAME	STATUS
Arizona Eryngo <i>Eryngium sparganophyllum</i>	Endangered
Population: There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/10705	
Huachuca Water-umbel <i>Lilaeopsis schaffneriana</i> var. <i>recurva</i>	Endangered
There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1201	
Pima Pineapple Cactus <i>Coryphantha scheeri</i> var. <i>robustispina</i>	Endangered
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4919	

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.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

1. The [Bald and Golden Eagle Protection Act](#) of 1940.
2. The [Migratory Birds Treaty Act](#) of 1918.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

9 of 15

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i>	Breeds Oct 15 to Aug 31
This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	
Golden Eagle <i>Aquila chrysaetos</i>	Breeds Dec 1 to Aug 31
This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read ["Supplemental Information on Migratory Birds and Eagles"](#), specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

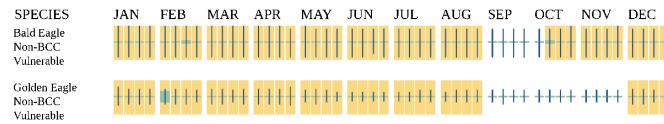
■ probability of presence ■ breeding season | survey effort — no data

10 of 15

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0105883

06/18/2024 20:37:48 UTC



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

- The [Migratory Birds Treaty Act](#) of 1918.
- The [Bald and Golden Eagle Protection Act](#) of 1940.
- 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

11 of 15

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

NAME	BREEDING SEASON
American Avocet <i>Recurvirostra americana</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11927	Breeds Apr 21 to Aug 10
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31
Black-chinned Sparrow <i>Spizella atrogularis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9447	Breeds Apr 15 to Jul 31
Costa's Hummingbird <i>Calypte costae</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9470	Breeds Jan 15 to Jun 10
Gila Woodpecker <i>Melanerpes uropygialis</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/5960	Breeds Apr 1 to Aug 31
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds Dec 1 to Aug 31
Grace's Warbler <i>Setophaga graciae</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9514	Breeds May 20 to Jul 20
Lawrence's Goldfinch <i>Spinus lawrencei</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9464	Breeds Mar 20 to Sep 20
Western Grebe <i>aechmophorus occidentalis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/6743	Breeds Jun 1 to Aug 31
Willet <i>Tringa semipalmata</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10669	Breeds elsewhere

12 of 15

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

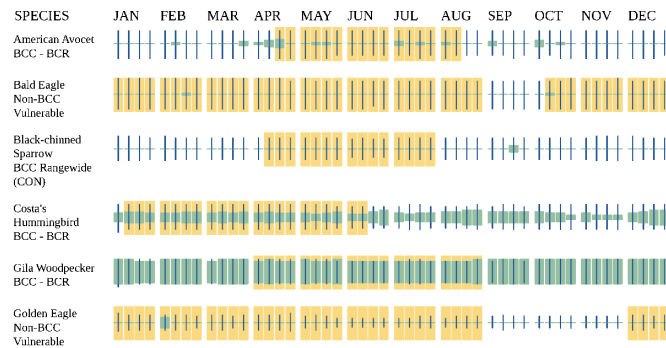
Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

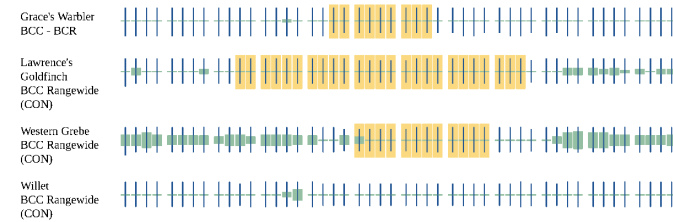
■ probability of presence ■ breeding season | survey effort — no data



13 of 15

Project code: 2024-0105883

06/18/2024 20:37:48 UTC



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

WETLANDS

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](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

FRESHWATER POND

- PUBF

RIVERINE

- R4SBA
- R4SBC
- R4SBAx

14 of 15

Project code: 2024-0105883

06/18/2024 20:37:48 UTC

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Beau Rapier
Address: 8081 Innovation Park Drive
City: Baton Rouge
State: LA
Zip: 70820
Email: beau@gsrcorp.com
Phone: 2257578088

ATTACHMENT 4
IPAC TRUST RESOURCE REPORT – AIRSPACE AFFECTED ENVIRONMENT

15 of 15

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Arizona Ecological Services Field Office
9828 North 31st Ave
#c3
Phoenix, AZ 85051-2517
Phone: (602) 242-0210 Fax: (602) 242-2513



In Reply Refer To: 08/13/2024 15:36:41 UTC
Project Code: 2024-0129675
Project Name: NATURAL RESOURCES SUPPORT ON THE AFSOC BASING AND
BEDDOWN ENVIRONMENTAL IMPACT STATEMENT AT DM AFB

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 Fish and Wildlife Service (Service) is providing this list under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). The list you have generated identifies threatened, endangered, proposed, and candidate species, and designated and proposed critical habitat, that *may* occur within the One-Range that has been delineated for the species (candidate, proposed, or listed) and its critical habitat (designated or proposed) with which your project polygon intersects. These range delineations are based on biological metrics, and do not necessarily represent exactly where the species is located. Please refer to the species information found on ECOS to determine if suitable habitat for the species on your list occurs in your project area.

The purpose of the Act is to provide a means whereby threatened and endangered species and the habitats 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 Federal trust resources and to determine whether projects may affect federally listed 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 the Federal action agency determines that listed species or critical habitat *may be affected* by a federally funded, permitted or authorized activity, the agency must consult with us pursuant to 50 CFR 402. Note that a "may affect" determination includes effects that may not be adverse and

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

that may be beneficial, insignificant, or discountable. An effect exists even if only one individual or habitat segment may be affected. The effects analysis should include the entire action area, which often extends well outside the project boundary or "footprint." For example, projects that involve streams and river systems should consider downstream effects. If the Federal action agency determines that the action may jeopardize a *proposed* species or may adversely modify *proposed* critical habitat, the agency must enter into a section 7 conference. The agency may choose to confer with us on an action that may affect proposed species or critical habitat.

Candidate species are those for which there is sufficient information to support a proposal for listing. Although candidate species have no legal protection under the Act, we recommend that they be considered in the planning process in the event they become proposed or listed prior to project completion. More information on the regulations (50 CFR 402) and procedures for section 7 consultation, including the role of permit or license applicants, can be found in our Endangered Species Consultation Handbook at: <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>.

We also advise you to consider species protected under the Migratory Bird Treaty Act (MBTA) (16 U.S.C. 703-712) and the Bald and Golden Eagle Protection Act (Eagle Act) (16 U.S.C. 668 *et seq.*). The MBTA prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when authorized by the Service. The Eagle Act prohibits anyone, without a permit, from taking (including disturbing) eagles, and their parts, nests, or eggs. Currently 1,026 species of birds are protected by the MBTA, including the western burrowing owl (*Athene cunicularia hypugaea*). Protected western burrowing owls can be found in urban areas and may use their nest/burrows year-round; destruction of the burrow may result in the unpermitted take of the owl or their eggs.

If a bald eagle or golden eagle nest occurs in or near the proposed project area, our office should be contacted for Technical Assistance. An evaluation must be performed to determine whether the project is likely to disturb or harm eagles. The National Bald Eagle Management Guidelines provide recommendations to minimize potential project impacts to bald eagles (see <https://www.fws.gov/law/bald-and-golden-eagle-protection-act> and <https://www.fws.gov/program/eagle-management>).

The Division of Migratory Birds (505/248-7882) administers and issues permits under the MBTA and Eagle Act, while our office can provide guidance and Technical Assistance. For more information regarding the MBTA, BGEPA, and permitting processes, please visit the following web site: <https://www.fws.gov/program/migratory-bird-permit>. Guidance for minimizing impacts to migratory birds for communication tower projects (e.g. cellular, digital television, radio, and emergency broadcast) can be found at <https://www.fws.gov/media/recommended-best-practices-communication-tower-design-siting-construction-operation>.

The U.S. Army Corps of Engineers (Corps) may regulate activities that involve streams (including some intermittent streams) and/or wetlands. We recommend that you contact the Corps to determine their interest in proposed projects in these areas. For activities within a National Wildlife Refuge, we recommend that you contact refuge staff for specific information

2 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

about refuge resources, please visit [this link](#) or visit <https://www.fws.gov/program/national-wildlife-refuge-system> to locate the refuge you would be working in or around.

If your action is on tribal land or has implications for off-reservation tribal interests, we encourage you to contact the tribe(s) and the Bureau of Indian Affairs (BIA) to discuss potential tribal concerns, and to invite any affected tribe and the BIA to participate in the section 7 consultation. In keeping with our tribal trust responsibility, we will notify tribes that may be affected by proposed actions when section 7 consultation is initiated. For more information, please contact our Tribal Coordinator, John Nystedt, at 928/556-2160 or John.Nystedt@fws.gov.

We also recommend you seek additional information and coordinate your project with the Arizona Game and Fish Department. Information on known species detections, special status species, and Arizona species of greatest conservation need, such as the western burrowing owl and the Sonoran desert tortoise (*Gopherus morafkai*) can be found by using their Online Environmental Review Tool, administered through the Heritage Data Management System and Project Evaluation Program (<https://www.azgfd.com/wildlife-conservation/planning-for-wildlife/project-evaluation-program/>).

We appreciate your concern for threatened and endangered species. 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. If we may be of further assistance, please contact our Flagstaff office at 928/556-2118 for projects in northern Arizona, our general Phoenix number 602/242-0210 for central Arizona, or 520/670-6144 for projects in southern Arizona.

Sincerely,
/s/

Heather Whitlaw
Field Supervisor
Attachment

Note: IPaC has provided all available attachments because this project is in multiple field office jurisdictions.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

3 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

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:

Arizona Ecological Services Field Office

9828 North 31st Ave
#c3
Phoenix, AZ 85051-2517
(602) 242-0210

This project's location is within the jurisdiction of multiple offices. However, only one species list document will be provided for all offices. The species and critical habitats in this document reflect the aggregation of those that fall in each of the affiliated office's jurisdiction. Other offices affiliated with the project:

New Mexico Ecological Services Field Office

2105 Osuna Road Ne
Albuquerque, NM 87113-1001
(505) 346-2525

4 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

PROJECT SUMMARY

Project Code: 2024-0129675

Project Name: NATURAL RESOURCES SUPPORT ON THE AFSOC BASING AND BEDDOWN ENVIRONMENTAL IMPACT STATEMENT AT DM AFB

Project Type: Airport - New Construction

Project Description: The Air Force Special Operations Command (AFSOC) is conducting a basing action at Davis-Monthan AFB in Arizona. As part of the basing action, an Environmental Impact Statement (EIS) will be prepared.

The EIS shall provide sufficient, documented information to analyze potential environmental impacts associated with several ongoing strategic basing actions. The first of these is the proposed divestment of 84x A-10C aircraft from Davis- Monthan AFB and the transfer of AFSOCs 492nd Special Operations Wing and subsequent missions. The A-10C aircraft currently assigned to Davis- Monthan AFB would be divested in two phases. The 354th FS would be inactivated and the 357th FS and 47th FS would be reduced in FY24, divesting 36 A-10C aircraft by the end of FY24. In FY26 the 357th FS and 47th FS would be inactivated, and the remaining 46 aircraft would be divested. There would be a reduction of approximately 2,274 manpower authorizations associated with the divestiture of the A-10s at Davis-Monthan.

AFSOC previously conducted a site visit to scope facilities. The AFSOC/ A4IC and Det 3, IMSC team confirmed the condition and capacity for senior leadership decision space. AF/A8X provided guidance to focus on A-10C facilities only. The team compared the A-10C facilities with the AFSOC force structure to estimate beddown costing and requirements. Military Construction (MILCON) would potentially be programmed starting in FY28 and Facilities, Sustainment, Restoration, & Modification (FSRM) starting in FY26.

The following is a list of proposed/potential MILCON based on the site visit:

- 2-Bay MC-130J Hangar / AMU
- STS Aquatic Trainer Facility
- STS HPTC Facility
- STS Dual Sq Ops Complex
- Installation Comm Center

The following is a list of proposed FSRM based on the site visit:

- Back Shop Upgrades & Refresh
- Renovate CDCs for Tenant Wing HQ Campus
- Renovate 4413 & 1446 for MC-130J and OA-1K Simulators
- Refresh 5251 & 5247 for Armed Overwatch

5 of 28

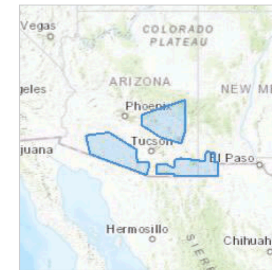
Project code: 2024-0129675

08/13/2024 15:36:41 UTC

- Refresh 4800/5600 for two MC-130J Squadron Operations
- ADAL Fac for SERE/AFE/Oss
- Refresh 5255 for MC-130J Corrosion Control
- Convert 4400 to SCIF (T-AOS)
- Restripe Ramp & Demo Sun Shades
- STS Climbing Tower
- Interim Swing Space

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.1765216,-112.56542667748568,14z>



Counties: Arizona and New Mexico

6 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

ENDANGERED SPECIES ACT SPECIES

There is a total of 51 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.

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.

7 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

MAMMALS

NAME	STATUS
Jaguar <i>Panthera onca</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3944	Endangered
Mexican Long-nosed Bat <i>Leptonycteris nivalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8203	Endangered
Mexican Wolf <i>Canis lupus baileyi</i> Population: U.S.A. (portions of AZ and NM)see 17.84(k) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3916	Experimental Population, Non- Essential
Mount Graham Red Squirrel <i>Tamiasciurus fremonti grahamensis</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8370	Endangered
New Mexico Meadow Jumping Mouse <i>Zapus hudsonius luteus</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7965	Endangered
Ocelot <i>Leopardus</i> (= <i>Felis</i>) <i>pardalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4474	Endangered
Sonoran Pronghorn <i>Antilocapra americana sonoriensis</i> Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4750	Endangered
Sonoran Pronghorn <i>Antilocapra americana sonoriensis</i> Population: U.S.A. (AZ), Mexico No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4750	Experimental Population, Non- Essential

BIRDS

NAME	STATUS
Cactus Ferruginous Pygmy-owl <i>Glaucidium brasilianum cactorum</i> There is final critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/1225	Threatened
California Least Tern <i>Sternula antillarum browni</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8104	Endangered
Masked Bobwhite (quail) <i>Colinus virginianus ridgwayi</i> No critical habitat has been designated for this species.	Endangered

8 of 28

Final

69

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Project code: 2024-0129675		08/13/2024 15:36:41 UTC	
NAME		STATUS	
There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5432			
Yaqui Chub <i>Gila purpurea</i>		Endangered	
There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3414			
SNAILS			
NAME		STATUS	
San Bernardino Springsnail <i>Pyrgulopsis bernardina</i>		Threatened	
There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1778			
INSECTS			
NAME		STATUS	
Monarch Butterfly <i>Danaus plexippus</i>		Candidate	
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743			
FLOWERING PLANTS			
NAME		STATUS	
Acuña Cactus <i>Echinomastus erectocentrus</i> var. <i>acunensis</i>		Endangered	
There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5785			
Arizona Cliffrose <i>Purshia</i> (=Cowania) <i>subintegra</i>		Endangered	
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/866			
Arizona Eryngo <i>Eryngium sparganophyllum</i>		Endangered	
Population: There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/10705			
Arizona Hedgehog Cactus <i>Echinocereus arizonicus</i> ssp. <i>arizonicus</i>		Endangered	
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1702			
Bartram's Stonecrop <i>Graptopetalum bartramii</i>		Threatened	
There is proposed critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/8382			
Beardless Chinchweed <i>Pectis imberbis</i>		Endangered	
There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1348			
Canelo Hills Ladies'-tresses <i>Spiranthes delitescens</i>		Endangered	
		11 of 28	

Project code: 2024-0129675		08/13/2024 15:36:41 UTC	
NAME		STATUS	
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8098			
Cochise Pincushion Cactus <i>Coryphantha robbinsorum</i>		Threatened	
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7229			
Huachuca Water-umbel <i>Lilaeopsis schaffneriana</i> var. <i>recurva</i>		Endangered	
There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1201			
Kearney's Blue-star <i>Amsonia kearneyana</i>		Endangered	
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7495			
Nichol's Turk's Head Cactus <i>Echinocactus horizontalionius</i> var. <i>nicholii</i>		Endangered	
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5343			
Pima Pineapple Cactus <i>Coryphantha scheeri</i> var. <i>robustispina</i>		Endangered	
No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4919			
Swale Paintbrush <i>Castilleja ornata</i>		Proposed	
Population: No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10121		Endangered	
Wright's Marsh Thistle <i>Cirsium wrightii</i>		Threatened	
Population: There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8963			
CRITICAL HABITATS			
There are 23 critical habitats wholly or partially within your project area under this office's jurisdiction.			
NAME		STATUS	
Acuña Cactus <i>Echinomastus erectocentrus</i> var. <i>acunensis</i> https://ecos.fws.gov/ecp/species/5785#crittab		Final	
Arizona Eryngo <i>Eryngium sparganophyllum</i> https://ecos.fws.gov/ecp/species/10705#crittab		Final	
Beardless Chinchweed <i>Pectis imberbis</i> https://ecos.fws.gov/ecp/species/1348#crittab		Final	
Beautiful Shiner <i>Cyprinella formosa</i> https://ecos.fws.gov/ecp/species/7874#crittab		Final	
Chiricahua Leopard Frog <i>Rana chiricahuensis</i>		Final	
		12 of 28	

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME	STATUS
https://ecos.fws.gov/ecp/species/1516#crithab	
Desert Pupfish <i>Cyprinodon macularius</i>	Final
https://ecos.fws.gov/ecp/species/7003#crithab	
Gila Chub <i>Gila intermedia</i>	Final
https://ecos.fws.gov/ecp/species/51#crithab	
Huachuca Water-umbel <i>Lilaeopsis schaffneriana</i> var. <i>recurva</i>	Final
https://ecos.fws.gov/ecp/species/1201#crithab	
Jaguar <i>Panthera onca</i>	Final
https://ecos.fws.gov/ecp/species/3944#crithab	
Loach Minnow <i>Tiaroga cobitis</i>	Final
https://ecos.fws.gov/ecp/species/6922#crithab	
Mexican Spotted Owl <i>Strix occidentalis lucida</i>	Final
https://ecos.fws.gov/ecp/species/8196#crithab	
Mount Graham Red Squirrel <i>Tamiasciurus fremonti grahamensis</i>	Final
https://ecos.fws.gov/ecp/species/8370#crithab	
New Mexican Ridge-nosed Rattlesnake <i>Crotalus willardi obscurus</i>	Final
https://ecos.fws.gov/ecp/species/3657#crithab	
Northern Mexican Gartersnake <i>Thamnophis eques megalops</i>	Final
https://ecos.fws.gov/ecp/species/7655#crithab	
Quitobaquito Tryonia <i>Tryonia quitobaquiae</i>	Proposed
For information on why this critical habitat appears for your project, even though Quitobaquito Tryonia is not on the list of potentially affected species at this location, contact the local field office. https://ecos.fws.gov/ecp/species/4521#crithab	
Razorback Sucker <i>Xyrauchen texanus</i>	Final
https://ecos.fws.gov/ecp/species/530#crithab	
San Bernardino Springsnail <i>Pyrgulopsis bernardina</i>	Final
https://ecos.fws.gov/ecp/species/1778#crithab	
Sonora Chub <i>Gila ditaenia</i>	Final
https://ecos.fws.gov/ecp/species/1394#crithab	
Southwestern Willow Flycatcher <i>Empidonax traillii eximius</i>	Final
https://ecos.fws.gov/ecp/species/6749#crithab	
Spikedace <i>Meda fulgida</i>	Final
https://ecos.fws.gov/ecp/species/6493#crithab	
Yaqui Catfish <i>Ictalurus pricei</i>	Final
https://ecos.fws.gov/ecp/species/5432#crithab	
Yaqui Chub <i>Gila purpurea</i>	Final
https://ecos.fws.gov/ecp/species/3414#crithab	

13 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME	STATUS
Yellow-billed Cuckoo <i>Coccyzus americanus</i>	Final
https://ecos.fws.gov/ecp/species/3911#crithab	

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

The following FWS National Wildlife Refuge Lands and Fish Hatcheries lie fully or partially within your project area:

FACILITY NAME	ACRES
BUENOS AIRES NATIONAL WILDLIFE REFUGE	945,954.474
<a %5c%22buenos+aires+national+wildlife+refuge%5c%22\""="" href="https://www.fws.gov/our-facilities?keywords=\">https://www.fws.gov/our-facilities?keywords=\"%5C%22BUENOS+AIRES+NATIONAL+WILDLIFE+REFUGE%5C%22\"	
BUENOS AIRES NATIONAL WILDLIFE REFUGE	27,281.45
<a %5c%22buenos+aires+national+wildlife+refuge%5c%22\""="" href="https://www.fws.gov/our-facilities?keywords=\">https://www.fws.gov/our-facilities?keywords=\"%5C%22BUENOS+AIRES+NATIONAL+WILDLIFE+REFUGE%5C%22\"	
CABEZA PRIETA NATIONAL WILDLIFE REFUGE	51.88
<a %5c%22cabeza+prieta+national+wildlife+refuge%5c%22\""="" href="https://www.fws.gov/our-facilities?keywords=\">https://www.fws.gov/our-facilities?keywords=\"%5C%22CABEZA+PRIETA+NATIONAL+WILDLIFE+REFUGE%5C%22\"	
SAN BERNARDINO NATIONAL WILDLIFE REFUGE	25,644.504
<a %5c%22san+bernardino+national+wildlife+refuge%5c%22\""="" href="https://www.fws.gov/our-facilities?keywords=\">https://www.fws.gov/our-facilities?keywords=\"%5C%22SAN+BERNARDINO+NATIONAL+WILDLIFE+REFUGE%5C%22\"	

BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

1. The [Bald and Golden Eagle Protection Act](#) of 1940.
2. The [Migratory Birds Treaty Act](#) of 1918.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

14 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base

Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds Jan 1 to Aug 31

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

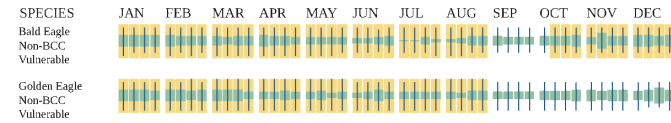
A week is marked as having no data if there were no survey events for that week.

■ probability of presence ■ breeding season | survey effort — no data

15 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

- The [Migratory Birds Treaty Act](#) of 1918.
- The [Bald and Golden Eagle Protection Act](#) of 1940.
- 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

16 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME	BREEDING SEASON
American Avocet <i>Recurvirostra americana</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11927	Breeds Apr 21 to Aug 10
Arizona Woodpecker <i>Dryobates arizonae</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9673	Breeds Apr 10 to Jun 30
Baird's Sparrow <i>Centronyx bairdii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/5113	Breeds elsewhere
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Oct 15 to Aug 31
Bendire's Thrasher <i>Toxostoma bendirei</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9435	Breeds Mar 15 to Jul 31
Black-chinned Sparrow <i>Spizella atrogularis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9447	Breeds Apr 15 to Jul 31
Black-throated Gray Warbler <i>Setophaga nigrescens</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9584	Breeds May 1 to Jul 20
Broad-tailed Hummingbird <i>Selasphorus platycercus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/11935	Breeds May 25 to Aug 21
Cactus Wren <i>Campylorhynchus brunneicapillus guttatus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8834	Breeds Mar 5 to Sep 30
Cassin's Sparrow <i>Peucaea cassinii</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9512	Breeds Aug 1 to Oct 10

17 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME	BREEDING SEASON
Chestnut-collared Longspur <i>Calcarius ornatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9437	Breeds elsewhere
Clark's Grebe <i>Aechmophorus clarkii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10575	Breeds Jun 1 to Aug 31
Cordilleran Flycatcher <i>Empidonax occidentalis</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11949	Breeds Apr 25 to Jul 25
Costa's Hummingbird <i>Calypte costae</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9470	Breeds Jan 15 to Jun 10
Eastern Meadowlark <i>Sturnella magna</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9455	Breeds Apr 25 to Aug 31
Elegant Trogon <i>Trogon elegans</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9624	Breeds Apr 1 to Aug 31
Evening Grosbeak <i>Coccothraustes vespertinus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9465	Breeds May 15 to Aug 10
Ferruginous Hawk <i>Buteo regalis</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/6038	Breeds Mar 15 to Aug 15
Flammulated Owl <i>Psiloscops flammeolus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/7728	Breeds May 10 to Aug 15
Gila Woodpecker <i>Melanerpes uropygialis</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/5960	Breeds Apr 1 to Aug 31

18 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME	BREEDING SEASON
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds Jan 1 to Aug 31
Grace's Warbler <i>Setophaga graciae</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9514	Breeds May 20 to Jul 20
Henry's Common Nighthawk <i>Chordeiles minor henryi</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11979	Breeds May 21 to Aug 25
Lawrence's Goldfinch <i>Spinus lawrencei</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9464	Breeds Mar 20 to Sep 20
Leconte's Thrasher <i>Toxostoma lecontei</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8969	Breeds Feb 15 to Jun 20
Lewis's Woodpecker <i>Melanerpes lewis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9408	Breeds Apr 20 to Sep 30
Long-billed Curlew <i>Numenius americanus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/5511	Breeds elsewhere
Long-eared Owl <i>asio otus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3631	Breeds Mar 1 to Jul 15
Lucifer Hummingbird <i>Calothorax lucifer</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9576	Breeds Apr 1 to Aug 31
Marbled Godwit <i>Limosa fedoa</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9481	Breeds elsewhere

19 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME	BREEDING SEASON
Mexican Chickadee <i>Poecile sclateri</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10585	Breeds Aug 5 to Jul 15
Mexican Whip-poor-will <i>Antrostomus arizonae</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10680	Breeds May 1 to Aug 20
Mountain Plover <i>Charadrius montanus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3638	Breeds elsewhere
Olive-sided Flycatcher <i>Contopus cooperi</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3914	Breeds May 20 to Aug 31
Phainopepla <i>Phainopepla nitens lepida</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11973	Breeds Mar 1 to Aug 20
Pinyon Jay <i>Gymnorhinus cyanocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9420	Breeds Feb 15 to Jul 15
Plumbeous Vireo <i>Vireo plumbeus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11933	Breeds May 10 to Aug 5
Red-faced Warbler <i>Cardellina rubrifrons</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9578	Breeds May 10 to Jul 15
Scott's Oriole <i>Icterus parisorum</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/11968	Breeds May 21 to Aug 15
Sprague's Pipit <i>Anthus spragueii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8964	Breeds elsewhere

20 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

NAME	BREEDING SEASON
Thick-billed Longspur <i>Rhynchophanes mccownii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/11901	Breeds elsewhere
Varied Bunting <i>Passerina versicolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9725	Breeds Apr 25 to Sep 30
Virginia's Warbler <i>Leiothlypis virginiae</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9441	Breeds May 1 to Jul 31
Western Grebe <i>aechmophorus occidentalis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/6743	Breeds Jun 1 to Aug 31
Whiskered Screech-owl <i>Megascops trichopsis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10569	Breeds Apr 15 to Jul 31
Willet <i>Tringa semipalmata</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10669	Breeds elsewhere

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

21 of 28

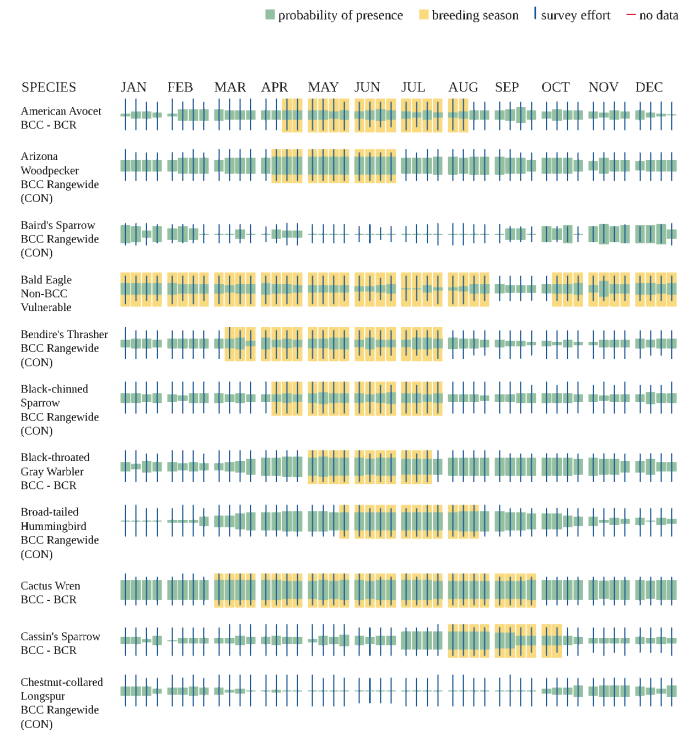
Project code: 2024-0129675

08/13/2024 15:36:41 UTC

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.



22 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Project code: 2024-0129675

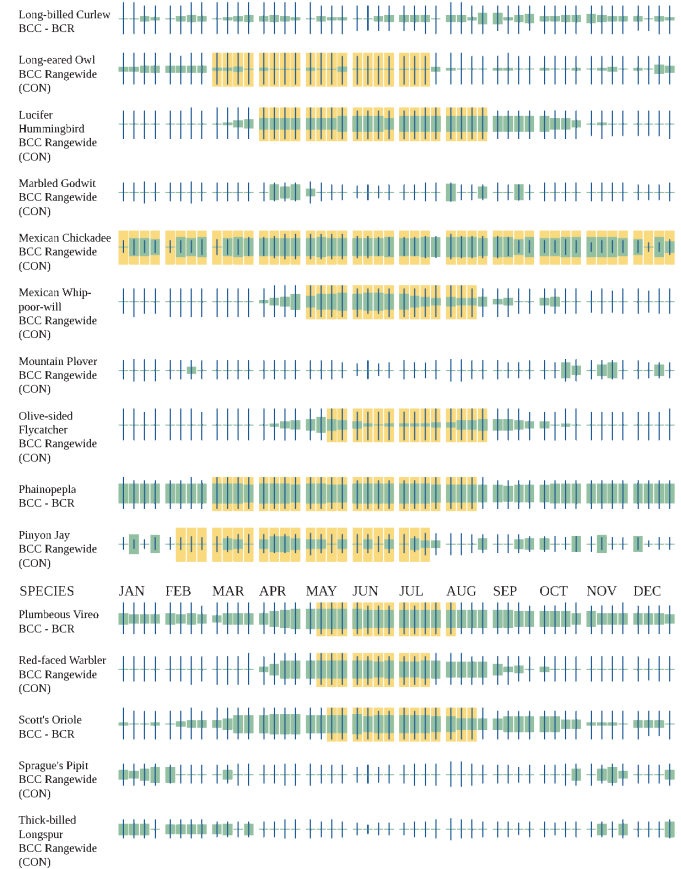
08/13/2024 15:36:41 UTC



23 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

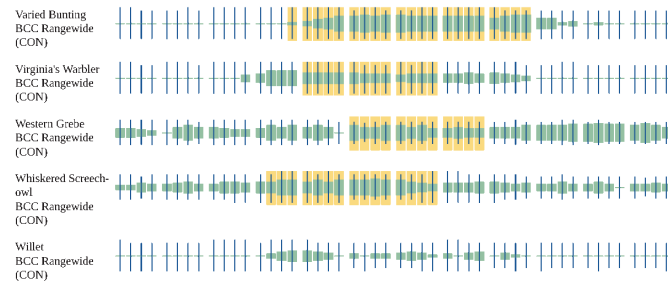


24 of 28

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base Environmental Impact Statement

Project code: 2024-0129675

08/13/2024 15:36:41 UTC



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

WETLANDS

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](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

Due to your project's size, the list below may be incomplete, or the acreages reported may be inaccurate. For a full list, please contact the local U.S. Fish and Wildlife office or visit <https://www.fws.gov/wetlands/data/mapper.HTML>.

FRESHWATER FORESTED/SHRUB WETLAND

- PFO1/SS1A
- PSS1/2A

25 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

- PSS1Ah
- PFO1/SS2C
- PSS2J
- PFO1C
- PSS1/2C
- PSS1/2Ah
- PFO1/SS1C
- PSS1A
- PSS1Ax
- PSSC
- PSS1Cx
- PSS2A
- PFO1/SS2A
- PFOC
- PSS1C
- PSS
- PSS1/2Kx
- PFO1A

FRESHWATER POND

- PUBF
- PAB4Fx
- PUB

FRESHWATER EMERGENT WETLAND

- PEM1/SS1A
- PEM1Ch
- PEM1J
- PEM1C
- PEM1A
- PEM1Ah
- PEM1B
- PEM1/SS1Ch
- PEM1/SS1C

LAKE

- L2UBH
- L2USC
- L1UBH

26 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

- L2EM2F
- L2USA

27 of 28

Project code: 2024-0129675

08/13/2024 15:36:41 UTC

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Beau Rapier
Address: 8081 Innovation Park Drive
City: Baton Rouge
State: LA
Zip: 70820
Email: beau@gsrcorp.com
Phone: 2257578088

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Air Force
Name: Beau Rapier
Email: beau@gsrcorp.com
Phone: 2177229249

28 of 28

ATTACHMENT 5
POTENTIAL FOR IMPACTS FROM THE PROPOSED ACTION
TO FEDERALLY LISTED SPECIES KNOWN TO OCCUR OR WITH POTENTIAL TO
OCCUR IN THE REGION OF INFLUENCE

Common Name	Scientific Name	Federal Listing Status	Habitat	Historically Observed at DMAFB?	Potential for Impacts from the Proposed Action/Effects Determination
Mammals					
Ocelot	<i>Leopardus pardalis</i>	FE	The ocelot is a habitat specialist; the species lives in areas of dense cover or vegetation and high prey populations. The ocelot avoids open country.	No	<i>No effect.</i> There have been no historical observations of ocelots on base. Suitable habitat is not present within the proposed ROI/action area (Attachment 1, Base Affected Environment Map).
Birds					
Cactus Ferruginous Pygmy-Owl	<i>Glaucocheilus brasilianus coactum</i>	FT	The cactus ferruginous pygmy-owl nests in existing cavities in saguaro cacti. The thickets of palo verde trees, mesquite, and saguaro cactus in and surrounding Atterbury Wash are potential suitable habitat.	No	<i>No effect.</i> The cactus ferruginous pygmy-owl has not been observed on DMAFB, but thickets of palo verde trees, mesquite, and saguaro cactus are present. Potential suitable habitat would not be impacted under implementation of the Proposed Action.
California Least Tern	<i>Sterna antillarum browni</i>	FE	California least terns nest on barren to sparsely vegetated sandbars along rivers, sand and gravel pits, lake and reservoir shorelines, and occasionally on gravel rooftops.	No	<i>No effect.</i> There have been no historical observations of these federally listed bird species on base, and no suitable habitat is present within the ROI (Attachment 1, Base Affected Environment Map). Preliminary analysis indicates noise levels from these operations could be slightly higher or similar to noise levels associated with the existing aircraft. Increases in noise levels are not anticipated to be significant.
Yellow-Billed Cuckoo	<i>Coccyzus americanus</i>	FT	Yellow-billed cuckoos prefer streamside cottonwood, willow groves, and large mesquite bosques for migrating and breeding in Arizona. The species is rarely observed as transient in xeric desert or urban settings.	No	
Reptiles & Amphibians					
Sonoyta Mud Turtle	<i>Kinosternon sonoriense longfemorale</i>	FE	The Sonoyta mud Turtle is found only in the Quitovaquito Pond in Arizona and a few isolated sites in Sonora, Mexico.	No	<i>No effect.</i> There have been no historical observations of Sonoyta mud turtles on base. Lack of suitable habitat is present within the ROI (Attachment 1, Base Affected Environment Map).
Fish					
Gila Club	<i>Gila intermedia</i>	FE	The Gila club occupies cool-to-warm water in mid- to headwater stretches of mid-sized streams of the Gila River Basin. The species is often found in deep, near-shore pools adjacent to swift riffles.	No	<i>No effect.</i> There have been no historical observations of these federally listed fish species on base. Lack of suitable habitat is present within the ROI (Attachment 1, Base Affected Environment Map).

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

Common Name	Scientific Name	Federal Listing Status	Habitat	Historically Observed at DMAFB?	Potential for Impacts from the Proposed Action/Effects Determination
Gila Topminnow	<i>Poeciliopsis occidentalis</i>	FE	and runs and near obstructions. Cover consists of root wads, boulders, undercut banks, submerged organic debris, or deep water. The Gila topminnow occupies headwater springs and vegetated margins and backwater areas of intermittent and perennial streams and rivers. The species prefers shallow warm water in a moderate current with dense aquatic vegetation and algae mats. Gila topminnows can withstand a wide range of water temperatures and water chemistries.	No	
Insects					
Monarch Butterfly	<i>Danaus plexippus</i>	C	Monarch butterflies feed on nectar from many flower species but breed only where there are milkweed species (<i>Asclepias</i> spp.). A number of monarchs from the western population overwinter at Arizona sites, and require moisture for hydration, defense against freezing temperatures, and protection against strong winds. Migrating monarchs occur near water sources.	No	<i>No effect.</i> The Monarch butterflies may occur as transient species between October and April (Arizona is within the migration path for both the western and eastern populations). Milkweeds are the only plants that monarch butterflies will lay their eggs on. Milkweed species would not be impacted under implementation of the Proposed Action.
Plants					
Arizona Eryngo	<i>Eryngium sparganophyllum</i>	FE	The Arizona eryngo occurs in spring-fed aridland cienegas of the International Four Corners Region. As a wetland obligate species, the plant only occurs at two sites in Pima County.	No	<i>No effect.</i> There have been no historical observations of these federally listed plant species on base. Lack of suitable habitat is present within the ROI (Attachment 1, Base Affected Environment Map).
Huachuca Water-Umbel	<i>Lilaeopsis schaffneriana</i> var. <i>recurva</i>	FE	Huachuca water-umbel habitat consists of cienegas or marsh wetlands at elevations between 2,000 and 6,000 feet MSL, within Sonoran Desert scrub, grassland or oak woodland, and conifer forest. The species can be found in sites with shallow water, saturated soil near seeps, springs,	No	

Common Name	Scientific Name	Federal Listing Status	Habitat	Historically Observed at DMAFB?	Potential for Impacts from the Proposed Action/Effects Determination
Pima Pineapple Cactus	<i>Coryphantha schottii</i> var. <i>robustispina</i>	FE	and streams. The water-umbel requires perennial water, gentle stream gradients, and mild winters. Pima pineapple cactus habitat consists of ridges in semidesert grassland and alluvial fans in Sonoran desert scrub. The cactus does occur at several localities several miles from the base.	No	<i>No effect.</i> No historical observations of Pima pineapple cactus have been documented on base. Although Sonoran desert scrub is widespread in the undeveloped areas of the installation, no suitable habitat is present within the ROI (Attachment 1, Base Affected Environment Map).

Note: Species-specific analyses and effects determination rationales for airspace affected environment were not carried forward for analysis. When compared to interim conditions, no changes to the lands beneath the airspace would occur; ground disturbance beneath the airspace proposed for use would be limited to the use of flares and munitions, which would be less than what is currently being used by A-10 pilots from DMAFB and would only occur in areas and at altitudes that are currently approved for such use. No significant impacts to plants or animals would result from implementation of the Proposed Action in the airspace and ranges proposed for use.
Key: AFB = Air Force Base; FE = federally endangered; FT = federally threatened; MSL = mean sea level; ROI = region of influence; spp. = species (plural); var. = variety.
Sources: USFWS 1998, 2015, 2016, 2017a, b, 2018, 2020a, b, 2021, 2022a, b, 2024; DAF 2020, 2023, 2024; DBG, 2024; Arizona Bird Conservation Initiative and Sonoran Joint Venture, 2023

492nd Special Operations Wing Beddown at Davis-Monthan Air Force Base
Environmental Impact Statement

References:

Arizona Bird Conservation Initiative and Sonoran Joint Venture. 2023. *Yellow-Billed Cuckoo (Coccyzus americanus) Species Account*. Available at <https://sonoranjv.org/accounts/yellow-billed-cuckoo.pdf>.

DAF 2024. *Draft Environmental Assessment for Installation Development Plan Projects - Davis-Monthan AFB, Arizona*.

DAF 2023. *Davis-Monthan Air Force Base Integrated Natural Resource Management Plan*. Davis-Monthan AFB, Arizona.

DAF 2020. *F35A Operational Beddown - Air Force Reserve Command Environmental Impact Statement*. Davis-Monthan AFB, Arizona.

DBG 2024. *Desert Botanical Garden (DBG). Monarch Butterflies and Milkweeds*. Accessed online at: <https://dbg.org/monarch-butterflies-and-milkweeds/>.

USFWS 2024. United States Fish and Wildlife Service (USFWS). *Information for Planning and Consultation - DM AFB Base Affected Environment ROI*.

USFWS 2022a. United States Fish and Wildlife Service (USFWS). *Species status assessment report for Glaucidium brasilianum cactorum (Cactus Ferruginous Pygmy-Owl)*, Version 1.2. Tucson, Arizona. 183 pp. + 6 appendices.

USFWS 2022b. United States Fish and Wildlife Service (USFWS). *Species status assessment report for Eryngium sparganophyllum (Arizona Eryngo) V1.1*. Arizona Ecological Services Office Tucson, Arizona. April 2022.

USFWS 2021. U.S. Fish and Wildlife Service (USFWS). *Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Western Distinct Population Segment of the Yellow-Billed Cuckoo*. 86 FR 20798 (April 21, 2021) (50 C.F.R. pt. 17).

USFWS 2020a. *U.S. Fish and Wildlife Service California Least Tern (Sternula antillarum brownii) 5-year Review: 2020 Summary and Evaluation*. Carlsbad Fish and Wildlife Office, Carlsbad, CA. 120pp.

USFWS 2020b. *U.S. Fish and Wildlife Service Monarch Butterfly (Danaus plexippus) Species Status Assessment Report*. V2.1 96 pp + appendices.

USFWS 2018. *U.S. Fish and Wildlife Service Recovery plan for Pima Pineapple Cactus (Coryphantha scheeri var. robustispina)*. USFWS Southwest Region, Tucson, Arizona. 76 pp + 2 Appendices.

USFWS 2017a. *U.S. Fish and Wildlife Service Recovery plan for Lilaeopsis schaffneriana ssp. Recurve (Huachuca Water-Umbel)*. USFWS, Arizona Ecological Services Field Office, Tucson, Arizona. 108 pp.

USFWS 2017b. *Species status assessment report for the Sonoyta Mud Turtle, Version 2.0*. USFWS Region 2, Albuquerque, New Mexico. August 2017.

USFWS 2016. *U.S. Fish and Wildlife Service (USFWS) Recovery Plan for the Ocelot (Leopardus pardalis)*, First Revision. Southwest Region, Albuquerque, New Mexico.

USFWS 2015. *U.S. Fish and Wildlife Service (USFWS) Endangered and Threatened Wildlife and Plants; Gila Chub Draft Recovery Plan*. 80 FR 65792 65795 (October 27, 2015) (16 U.S.C. 1531 et seq.).

USFWS 1998. *U.S. Fish and Wildlife Service (USFWS) Gila Topminnow (Poeciliopsis occidentalis occidentalis) Revised Recovery Plan*. Prepared by Weedman, DA of the Arizona Game and Fish Department for USFWS Region 2, Albuquerque, New Mexico. December 1998.

Memorandum Regarding USFWS Section 7 Informal Consultation Letter

**MEMORANDUM OF:
TELEPHONE CONVERSATION**

DATE: 20 December 2024	TIME: 9:00 AM	DISTRIBUTION
ORIGINATOR:	Agency:	492 SOW Beddown EIS Administrative Record
Barbara Long	United States Department of the Air Force	
CONTACT(S)	Agency:	
Mr. Jeff Servos	United States Fish and Wildlife Service	
SUBJECT: Informal Section 7 Consultation with the U.S. Fish and Wildlife Service (USFWS) regarding the EIS for the 492 Special Operations Wing Beddown at Davis-Monthan AFB		
REFERENCE: Letter sent to the Arizona Ecological Services Field Office of the USFWS in Phoenix, AZ and dated August 27, 2024		
TOPICS DISCUSSED: I called the Tucson office of the USFWS today to ask about the letter that the contractor sent to the USFWS regarding the 492 SOW Beddown EIS. I spoke to Mr. Jeff Servos at the Arizona Ecological Services Office located at 201 North Bonita; Site 141, Tucson, AZ 85745. Mr. Servos told me that normally the USFWS doesn't respond to those letters unless there could be a potential impacts to protected species. He also said that those letters should be provided to his office via email. The email address that he provided is incomingazcorr@fws.gov		
After he provided me with the email address there was no other information provided.		
<hr/> Barbara Long, PMAES, DAFC Cultural/Natural Resources & NEPA Manager 3775 South Fifth Street Davis-Monthan AFB AZ 85707-3012 Email: barbara.long.3@us.af.mil Comm: 520-228-4035		