



## **MEMORANDUM**

**TO:** Cochise County Planning and Zoning Commission  
**FROM:** Robert Kirschmann, Planner II  
**FOR:** Daniel Coxworth AICP, Development Services Director  
**SUBJECT:** SU 23-14 (Barataria Feed), Application for a Special Use Authorization  
**DATE:** June 6, 2023, for the June 14 2023, Meeting

### **DRT AND AGENCY COMMENTS DOCKET SU 23-13**

On May 4, 2023, the Development Review Team for the County and relevant external agencies was transmitted case information for their review. Reviewers were given until May 26, 2023 to respond. At that time, they were notified that a failure to respond by that date would result in an automatic approval by their agency/Department. The following is a summation of all the comments that were received by that date.

#### **Cochise County, Floodplain:**

1. If the proposal includes clearing more than one acre, a drainage analysis, a Stormwater Pollution Prevention Plan, Consent to remove Native Plants, etc. is required. Refer to the County Review Checklist that was uploaded into Citizen Serve (May 12, 2023) for a complete list of requirement;
2. The applicant is aware that when the accumulative amount of disturbed land becomes one acre or greater, then a drainage analysis will be required. This includes previous plus proposed development;
3. Any adverse impacts that are generated due to this development upon adjacent properties, property lines, or roadways is the responsibility of the property owner;
4. Portions of this property include Floodplain Zone A. A Floodplain Use Permit may be required;
5. The application is confusing since it states that size of the property is 20 acres. Ten (acres) to be developed. The next line asks how many acres will be cleared and developed. The answer is listed as less than one acre. Please clarify with the non-residential permit submittal.
6. The applicant is aware that additional comments may be forthcoming.

#### **Cochise County ROW:**

1. Driveway accessing the development must be paved to Cochise County Standards for commercial driveways. Link to standards for reference. <https://www.cochise.az.gov/DocumentCenter/View/736/Road-Construction-Standards-PDF>
2. Right-of Way permit needed. Show adequate sight triangle distances at entrance and remove any obstructing vegetation;
3. Verify access is on the same parcel.

**Cochise County Building:** No comments received.

**Cochise County Attorney's Office:** No comments received.

**Cochise County Environmental Health:** Obtain necessary approvals.

**Cochise County Sheriff's Office:** No comments received.

**Sulfur Springs Valley Electric Cooperative:** SSVEC has no special conditions to submit regarding this special use permit request. If the property owner/applicant requires an upgrade in service or a new line extension, please have them refer to the Sulphur Springs Valley Electric Cooperative website at [www.ssvect.org](http://www.ssvect.org) then the "Services" tab for information about Service Conditions, Service Entrance Requirements, how to establish a new service, and for Line Extension/New Service Applications. They can also contact our Willcox/Benson Engineering Services Representatives for assistance at 520-384-5469.

**Kinder Morgan/EPNG:** No conditions.

**Arizona Game and Fish:** Attached

**Arizona Department of Environmental Quality:** No comments received.

**State Lands Department:** No comments received.

**Arizona Department of Water Resources:** No comments received.

**Fort Huachuca:** No conditions

**From:** [Ruth Bigelow](#)  
**To:** [Kirschmann, Robert](#)  
**Subject:** RE: Transmittal for SU23-14 (Barataria Feed)  
**Date:** Friday, May 5, 2023 8:10:29 AM

**CAUTION: EXTERNAL EMAIL\***

Good Morning,

SSVEC has no concerns or conditions to submit for this special use permit request.

If the property owner/applicant requires an upgrade in service or a new line extension, please have them refer to the Sulphur Springs Valley Electric Cooperative website at [www.ssvvec.org](http://www.ssvvec.org) then the "Services" tab for information about Service Conditions, Service Entrance Requirements, how to establish a new service, and for Line Extension/New Service Applications.

They can also contact one of our Engineering Services Representatives for assistance:

- o Sierra Vista- 520-515-3465
- o Willcox/Benson: 520-384-5469

Thank you,

## **Ruth Bigelow**

Lead Line Extension ROW Agent

[Sulphur Springs Valley Electric Cooperative](#)

(520) 384-5513

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**From:** Kirschmann, Robert <RKirschmann@cochise.az.gov>

**Sent:** Thursday, May 4, 2023 3:24 PM

**To:** Solis, Joaquin <JSolis@cochise.az.gov>; Simmons, Bradley A <bsimmons@cochise.az.gov>; Watkins, Jackie <JWatkins@cochise.az.gov>; Brady, Shon <SBrady@cochise.az.gov>; Fast, Travis <TFast@cochise.az.gov>; Marinez, Frances G <FMarinez@cochise.az.gov>; Lopez, Gabe A <glopez@cochise.az.gov>; Duchon, Daniel <DDuchon@cochise.az.gov>; Wilkins, Tammi-Jo <TWilkins@seacom.az.gov>; Esparza, Paul <PEsparza@cochise.az.gov>; Correa, Paul <PCorrea@cochise.az.gov>; McGee, Michael S <MMcGee@cochise.az.gov>; Capas, Carol <CCapas@cochise.az.gov>; Richard B. Obenshain <rboenshain@azwater.gov>; pep@azgfd.gov; Ruth Bigelow <rbigelow@ssvec.com>; Lee Mancini <lee.mancini@swgas.com>; Sims, Kelley B (Kelley) <Kelley\_Sims@Kindermorgan.com>; bhamilton <bhamilton@bensoaz.gov>; Weber, Cheri L CIV USARMY ID-TRAINING (USA) <cheri.l.weber.civ@army.mil>; Smith, Alexandra Z CIV USARMY USAG (USA) <alexandra.z.smith.civ@army.mil>; nrcdhereford@gmail.com; Paul Shiver <PShiver@fryfiredistrict.com>; Savage, Mark <MSavage@fryfiredistrict.com>

**Cc:** BOS-Supervisors <BOSSupervisors@cochise.az.gov>; Coxworth, Daniel <dcoxworth@cochise.az.gov>; McLachlan, Christine <CMcLachlan@cochise.az.gov>; Bronson, Susan <SBronson@cochise.az.gov>; Mattix, Timothy <TMattix@cochise.az.gov>; Loewenheim, Lara <LLoewenheim@cochise.az.gov>

**Subject:** Transmittal for SU23-14 (Barataria Feed)

**From:** [Weber, Cheri L CIV USARMY ID-TRAINING \(USA\)](#)  
**To:** [Kirschmann, Robert](#)  
**Cc:** [Ives, John M \(Johnny\) COL USARMY ID-TRAINING \(USA\)](#); [Kuhling, Clark A CSM USARMY ID-TRAINING \(USA\)](#); [Hooper, William F Jr CIV USARMY ID-TRAINING \(USA\)](#); [Donecker, Joshua W MAJ USARMY USAG \(USA\)](#); [Weber, Cheri L CIV USARMY ID-TRAINING \(USA\)](#); [Smith, Alexandra Z CIV USARMY USAG \(USA\)](#)  
**Subject:** \*\*Fort Huachuca Response\*\*Transmittal for SU23-14 (Barataria Feed)  
**Date:** Thursday, May 25, 2023 10:45:05 AM

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**CAUTION: EXTERNAL EMAIL\***

Good morning, Robert,

Based on the information provided and feedback received from our internal staffing, we have no issues or concerns at this time.

Stay safe and have a wonderful weekend!  
Cheri

Cheri L. Weber  
Chief, PAIO  
Fort Huachuca, AZ 85613  
520.533.3149  
[cheri.l.weber.civ@army.mil](mailto:cheri.l.weber.civ@army.mil)

We are the Army's Home

Learn more at <https://home.army.mil/huachuca/>

How well am I doing? Please click on the ICE link below and let me know!  
PAIO ICE Link: [https://ice.disa.mil/index.cfm?fa=card&sp=101466&s=277&dep=\\*DoD&sc=1](https://ice.disa.mil/index.cfm?fa=card&sp=101466&s=277&dep=*DoD&sc=1)

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**From:** Kirschmann, Robert <RKirschmann@cochise.az.gov>  
**Sent:** Thursday, May 4, 2023 3:24 PM  
**Subject:** [URL Verdict: Neutral][Non-DoD Source] Transmittal for SU23-14 (Barataria Feed)

Good afternoon,

Attached, please find a transmittal and complete application to construct phased feedstore. Please provide any comments no later than May 26, 2023.

If you have any questions, please let me know.

Please do not "reply to all".

Best regards,

**Robert Kirschmann**

**From:** [Sims, Kelley B \(Kelley\)](#)  
**To:** [Kirschmann, Robert](#)  
**Subject:** RE: Transmittal for SU23-14 (Barataria Feed)  
**Date:** Friday, May 5, 2023 3:11:07 PM

**CAUTION: EXTERNAL EMAIL\***

Hello Robert,  
Kinder Morgan (EPNG and SFPP pipelines) has no objections to this project.  
Thank you for keeping us on your list!

*Kelley*

**Kelley Sims, SR/WA**  
Senior ROW Agent



El Paso Natural Gas  
Company, L.L.C.  
a Kinder Morgan company

Tucson Area / Southeastern Arizona  
5151 E. Broadway, Suite 1680, Tucson, AZ 85711  
(520) 663-4223 | [Kelley\\_Sims@KinderMorgan.com](mailto:Kelley_Sims@KinderMorgan.com)

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**Sent:** Thursday, May 4, 2023 3:24 PM  
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Good afternoon,

Attached, please find a transmittal and complete application to construct phased feedstore. Please provide any comments no later than May 26, 2023.

If you have any questions, please let me know.

**From:** [McGee, Michael S](#)  
**To:** [Kirschmann, Robert](#)  
**Subject:** RE: Transmittal for SU23-14 (Barataria Feed)  
**Date:** Monday, May 8, 2023 2:47:07 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[image005.png](#)

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Must maintain port a pot contract. No waste water on the ground.



**Michael McGee, RS**  
**Environmental Health Specialist III**

Cochise County Health & Social Services  
126 W 5<sup>th</sup> St.  
Benson, AZ 85602  
[mmcgee@cochise.az.gov](mailto:mmcgee@cochise.az.gov)  
520-586-8206 phone  
520-559-5452 mobile  
[www.cochise.az.gov](http://www.cochise.az.gov)



<https://www.surveymonkey.com/r/NQLR86T>

**Online portal to apply and pay License fee**

[https://www.citizenserve.com/Portal/PortalController?  
Action=viewMyRequests&ctzPagePrefix=Portal\\_&installationID=335](https://www.citizenserve.com/Portal/PortalController?Action=viewMyRequests&ctzPagePrefix=Portal_&installationID=335)

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May 30, 2023

Mr. Robert Kirschmann  
Cochise County Community Development  
Development Services Department  
126 West 5th Street, Suite 4  
Benson, AZ 85602

Electronically submitted to [RKirschmann@cochise.az.gov](mailto:RKirschmann@cochise.az.gov)

Re: Review of the SU23-14 (Barataria Feed) construction project

Dear Mr. Kirschmann,

The Arizona Game and Fish Department (Department) reviewed your Project Evaluation Request dated May 4, 2023, regarding the special use permit to construct a new retail feed store at 8191 E. Barataria Road in Hereford, Cochise County, Arizona. The Department understands Phase 1 will include a 4,000 square foot hay barn, small sheds with merchandise, parking and driveway. Phase 2 will include up to a 60,000 Square foot building to house the feed store and indoor arena. The 20.86 acre parcel (Assessor's Parcel Number 107-620-09A) is undeveloped land consisting of Semidesert Grassland with a portion of the parcel in a 100 year flood zone.

Based on the information provided, the Department offers the following general recommendations:

- Minimize impacts to vegetation during project construction. Staging areas should be located in previously disturbed sites and kept as small as possible. Implement erosion and drainage control measures during the project to prevent the introduction of sediment-laden runoff into adjacent washes or surface waters and to prevent impacts to surface water quality. Stabilize exposed soils, particularly on slopes, with native vegetation as soon as possible to prevent excess erosion.
- Washes provide habitat and are natural movement corridors for wildlife. Minimize impacts to washes and maintain the natural pathways of stormwater flow across the parcel and the greater landscape. When possible designs should include a natural vegetation buffer (e.g., 100-50 feet) on each side of the wash to maintain stormwater flow. 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: [Planning for Wildlife: Wildlife-Friendly Guidelines](#)<sup>1</sup>.

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<sup>1</sup> <https://www.azgfd.com/wildlife-conservation/planning-for-wildlife/planning-for-wildlife-wildlife-friendly-guidelines/>

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**azgfd.gov | 602.942.3000**

**5000 W. CAREFREE HIGHWAY, PHOENIX AZ 85086**

**GOVERNOR:** KATIE HOBBS **COMMISSIONERS:** CHAIRMAN JAMES E. GOUGHNOUR, PAYSON | TODD G. GEILER, PRESCOTT | CLAY HERNANDEZ, TUCSON  
MARSHA PETRIE SUE, SCOTTSDALE | JEFF BUCHANAN, PATAGONIA **DIRECTOR:** TY E. GRAY **DEPUTY DIRECTOR:** TOM P. FINLEY

- Artificial lighting could impair the ability of nocturnal animals to navigate (e.g., owls, migratory birds, bats, and other nocturnal mammals) and may affect wildlife behavior and populations. The Department recommends using only the minimum amount of light needed for safety, especially in areas immediately adjacent to open space or undeveloped lands. The Department encourages the use of motion sensing lighting and narrow spectrum lighting (closer to the red spectrum) wherever possible to lower the range of species affected by lighting. Also, please consider shielding, canting, or cutting all lighting, where possible, to ensure that light reaches only areas needing illumination and to minimize impacts to nocturnal wildlife.
- If proposed ground disturbance (both temporary and permanent) will meet or exceed 0.25 acre in areas with native vegetation, please ensure the project complies with [Arizona Native Plant Law](#) regulations<sup>2</sup>. A Native Plant Inventory may need to be conducted to identify, record, and coordinate plant salvage efforts for species that are Protected under the Arizona Native Plant Law. In addition, the applicable land management agencies should be consulted regarding guidelines for revegetation efforts.
- Minimize the potential introduction or spread of exotic invasive species. Precautions should be taken to wash and/or decontaminate all equipment utilized in the project activities before entering and leaving the site.
- To further limit the spread of non-native, invasive plant species, the Department recommends landscaping with drought-tolerant species that are native to the area. Landscaping with native plants can help support wildlife and pollinator species that inhabit rural and urbanized areas. Visit the [Arizona Native Plant Society's website](#)<sup>3</sup> for information on preferred native plants to utilize in landscaping.
- If trenching will occur, trenching and backfilling crews should be close together to minimize the amount of open trenches at any given time. Avoid leaving trenches open overnight. Where trenches cannot be back-filled immediately, escape ramps should be constructed at least every 90 meters. Escape ramps can be short lateral trenches or wooden planks sloping to the surface. The slope should be less than 45 degrees (1:1). Trenches that have been left open overnight should be inspected and animals removed prior to backfilling.

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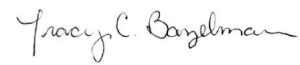
<sup>2</sup> <https://agriculture.az.gov/plantsproduce/native-plants>

<sup>3</sup> <https://aznps.com/grow-native/>



The Department appreciates the opportunity to provide an evaluation of impacts to wildlife or wildlife habitats associated with the SU23-14 (Barataria Feed) construction project. The attached Department's Online Environmental Review Tool report (HGIS-19345) attached provides a list of species within 3 miles of the project area and general recommendations. If you have any questions regarding this letter, please contact me at (623) 236-7513 and visit our [website](#)<sup>4</sup> for additional guidelines.

Sincerely,



Tracy C. Bazelman  
Project Evaluation Program Specialist, Habitat Branch  
Arizona Game and Fish Department  
AZGFD #M23-05055543

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<sup>4</sup> <https://live-azgfd-main.pantheonsite.io/wildlife-conservation/planning-for-wildlife/planning-for-wildlife-wildlife-friendly-guidelines/>

# 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:**

M23-05055543 SU23-14 (Barataria Feed) Cochise Co

**Project Description:**

M23-05055543 SU23-14 (Barataria Feed)

**Project Type:**

Development Outside Municipalities (Rural Development), Commercial/industrial (mall) and associated infrastructure, New construction

**Contact Person:**

Tracy C. Bazelman

**Organization:**

AZGFD

**On Behalf Of:**

COCHISE

**Project ID:**

HGIS-19345

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

**Disclaimer:**

1. This Environmental Review is based on the project study area that was entered. The report must be updated if the project study area, location, or the type of project changes.
2. This is a preliminary environmental screening tool. It is not a substitute for the potential knowledge gained by having a biologist conduct a field survey of the project area. This review is also not intended to replace environmental consultation (including federal consultation under the Endangered Species Act), land use permitting, or the Departments review of site-specific projects.
3. The Departments Heritage Data Management System (HDMS) data is not intended to include potential distribution of special status species. Arizona is large and diverse with plants, animals, and environmental conditions that are ever changing. Consequently, many areas may contain species that biologists do not know about or species previously noted in a particular area may no longer occur there. HDMS data contains information about species occurrences that have actually been reported to the Department. Not all of Arizona has been surveyed for special status species, and surveys that have been conducted have varied greatly in scope and intensity. Such surveys may reveal previously undocumented population of species of special concern.
4. 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.

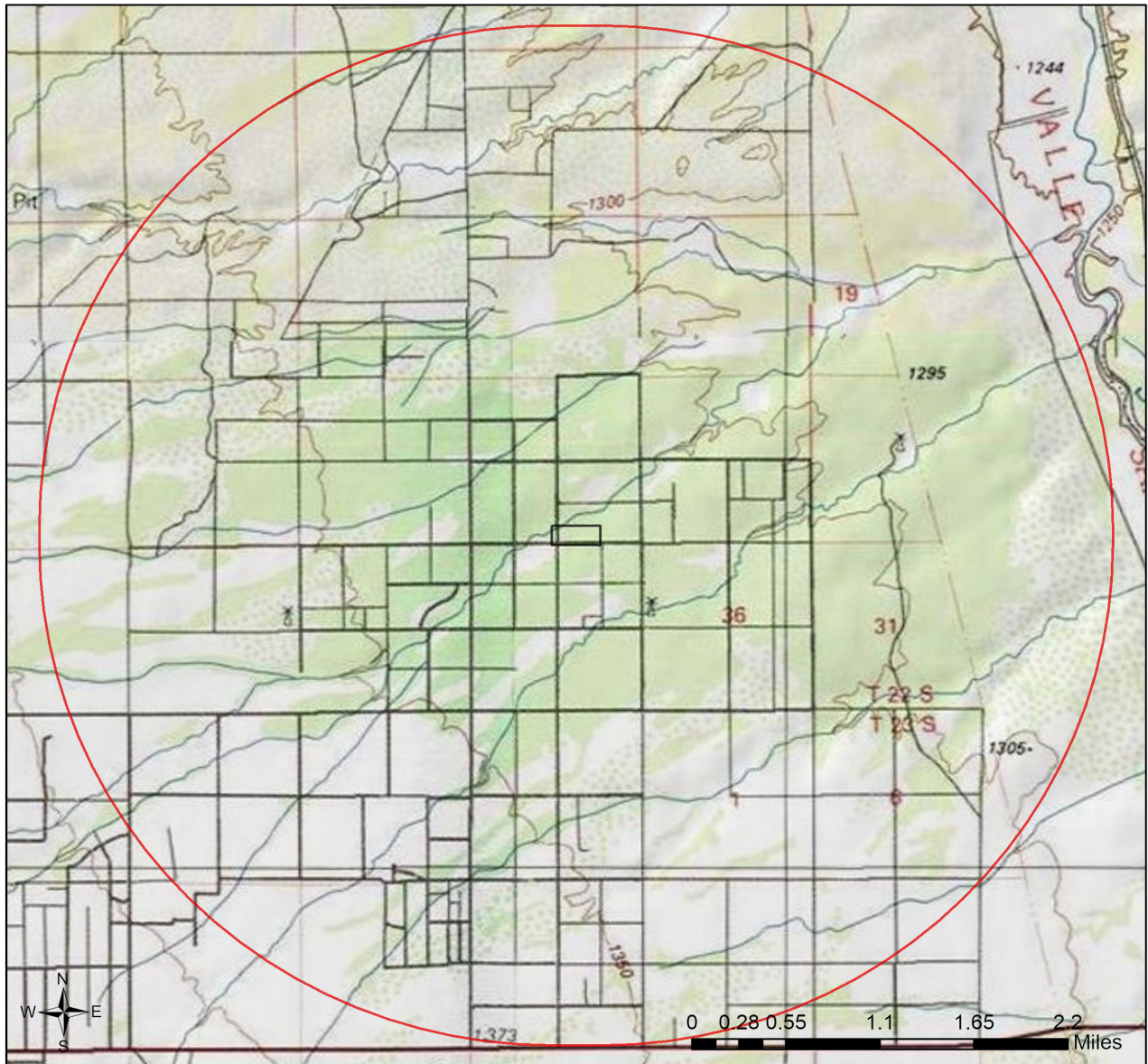
**Locations Accuracy Disclaimer:**



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.

**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](mailto: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

### M23-05055543 SU23-14 (Barataria Feed) Cochise Co USA Topo Basemap With Locator Map



-  Buffered Project Boundary
-  Project Boundary

Project Size (acres): 20.88

Lat/Long (DD): 31.4828 / -110.1788

County(s): Cochise

AGFD Region(s): Tucson

Township/Range(s): T22S, R21E

USGS Quad(s): NICKSVILLE

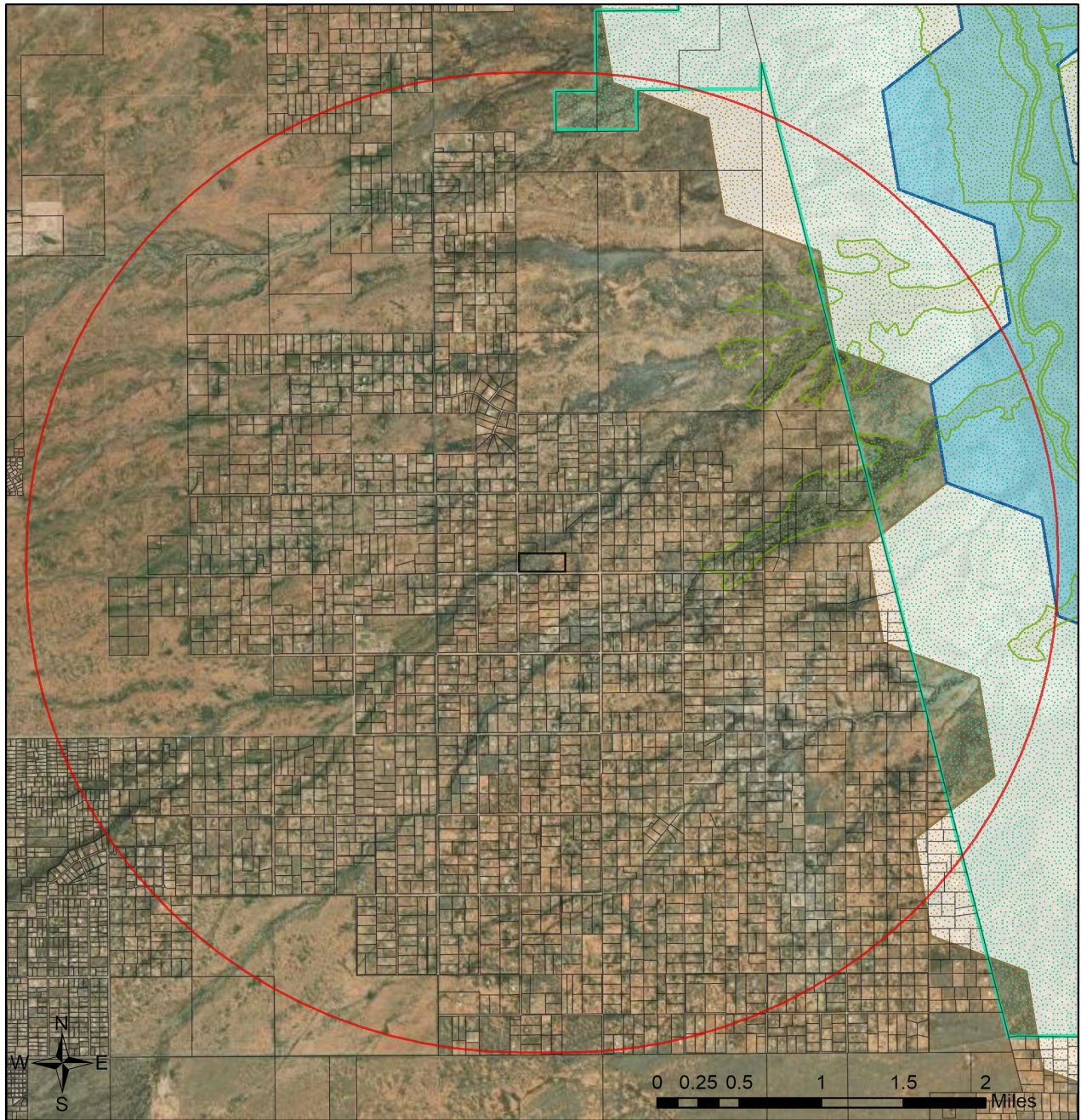
Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community





## M23-05055543 SU23-14 (Barataria Feed) Cochise Co

Web Map As Submitted By User



- id\_cochise
- Critical Habitat
- Important Bird Areas
- Aquatic
- Terrestrial
- Wildlife Crossing Area
- Wildlife Movement Area - Diffuse
- Wildlife Movement Area - Landscape
- Wildlife Movement Area - Riparian/Wash
- Important Connectivity Zones
- Wildlife Connectivity
- Buffered Project Boundary
- Project Boundary

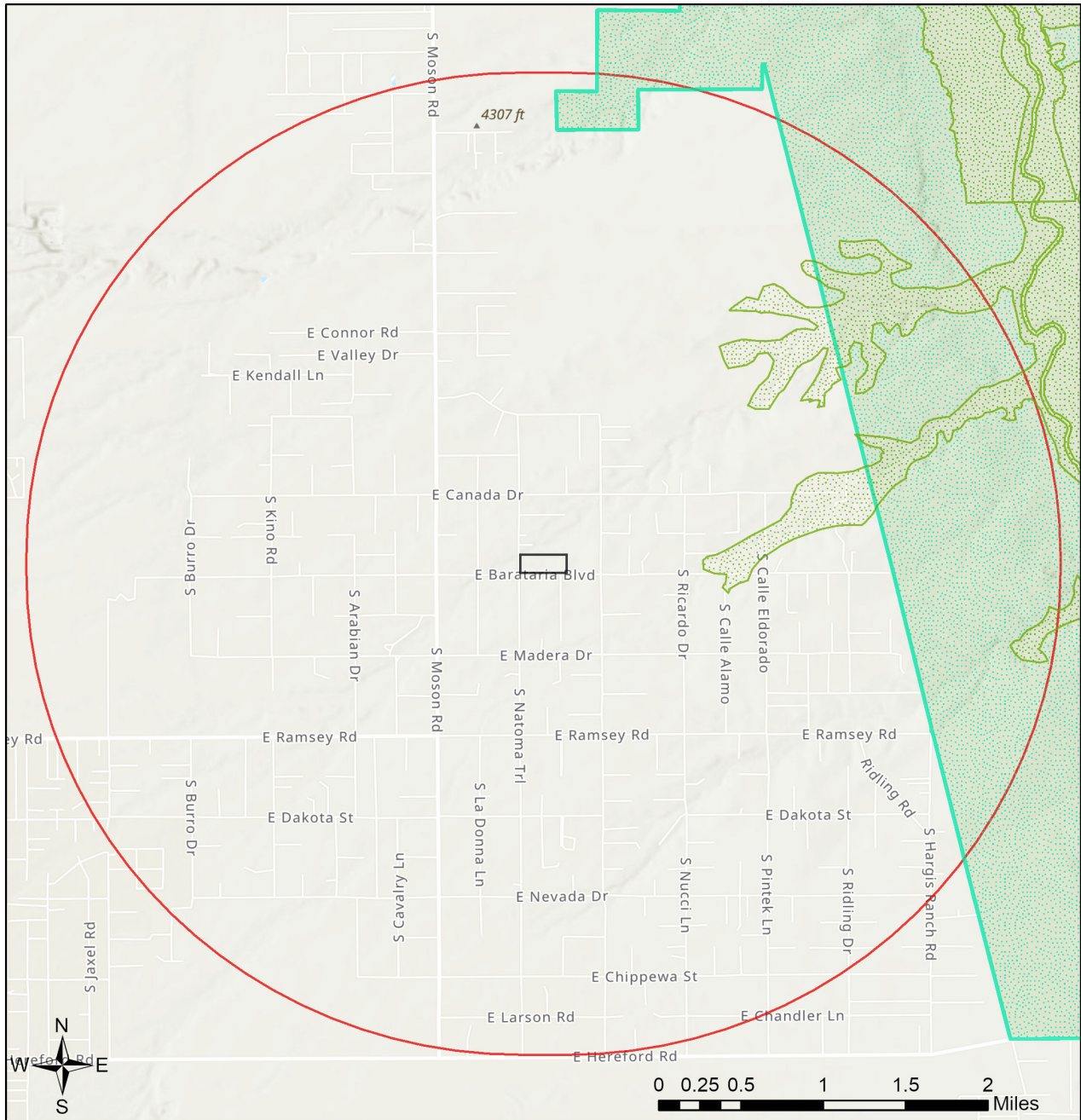
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Lat/Long (DD): 31.4828 / -110.1788  
County(s): Cochise  
AGFD Region(s): Tucson  
Township/Range(s): T22S, R21E  
USGS Quad(s): NICKSVILLE

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community  
AGFD SSDV Habitat Enhancement Program  
Arizona Game and Fish Department



## M23-05055543 SU23-14 (Barataria Feed) Cochise Co

### Important Areas



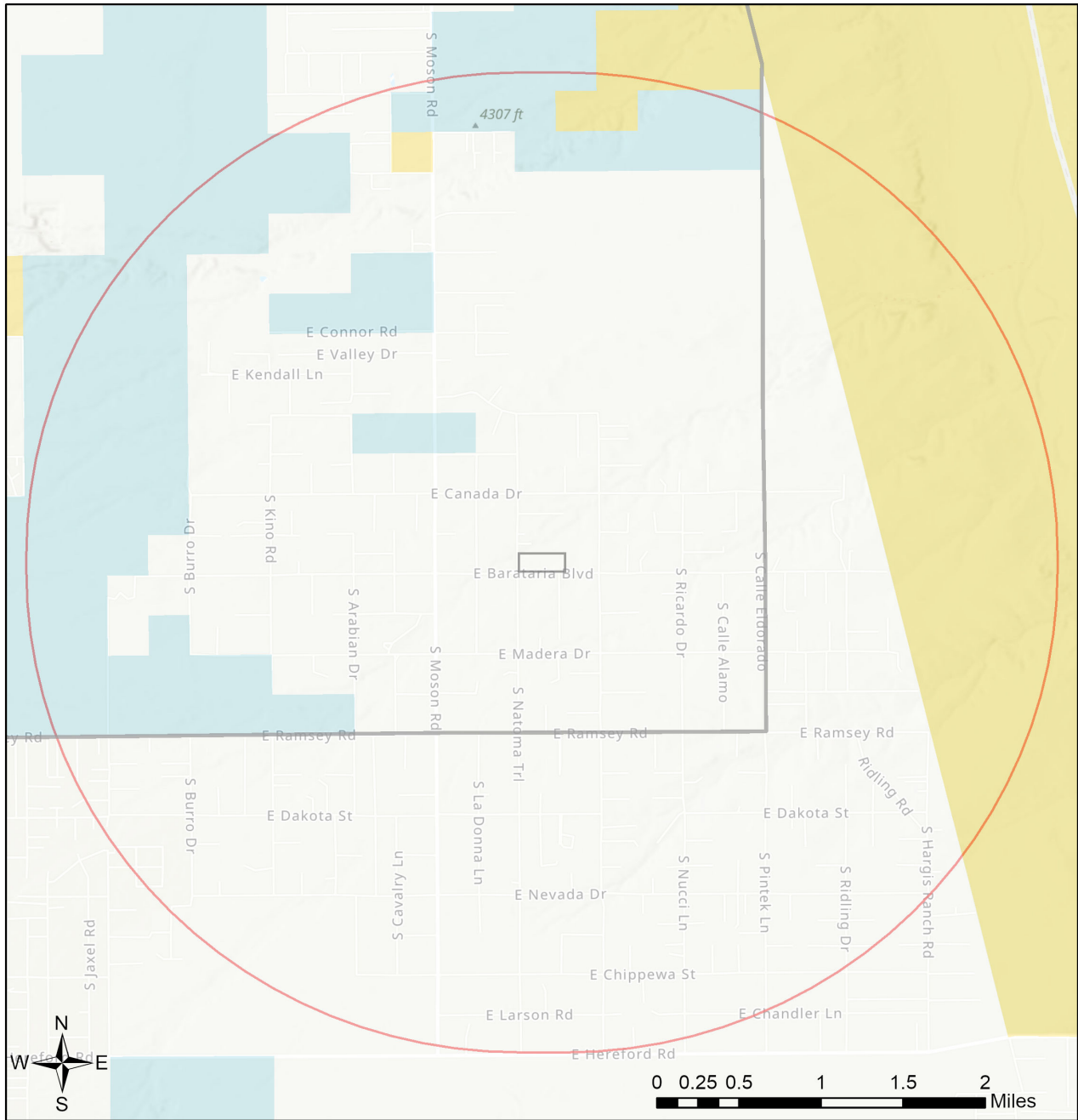
- Buffered Project Boundary
- Project Boundary
- Important Bird Areas
- Critical Habitat
- Pinal County Riparian
- Important Connectivity Zones
- Wildlife Connectivity

Project Size (acres): 20.88  
 Lat/Long (DD): 31.4828 / -110.1788  
 County(s): Cochise  
 AGFD Region(s): Tucson  
 Township/Range(s): T22S, R21E  
 USGS Quad(s): NICKSVILLE

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community  
 Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

## M23-05055543 SU23-14 (Barataria Feed) Cochise Co

### Township/Ranges and Land Ownership



- |   |  |
|---|--|
| <span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> Buffered Project Boundary | <span style="background-color: #ccccff; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> National Park/Mon.     |
| <span style="border: 1px solid black; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> Project Boundary        | Private  |
| <span style="background-color: #f08080; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> AZ Game & Fish Dept.  | <span style="background-color: #808080; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> State & Regional Parks |
| <span style="background-color: #ffff00; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> BLM                   | <span style="background-color: #add8e6; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> State Trust            |
| <span style="background-color: #d2b48c; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> BOR                   | <span style="background-color: #c1e1c1; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> US Forest Service      |
| <span style="background-color: #ffa500; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> Indian Res.           | <span style="background-color: #3cb371; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> Wildlife Area/Refuge   |
| <span style="background-color: #ffb6c1; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> Military              | <span style="border: 1px solid grey; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> Township/Ranges           |
| <span style="background-color: #32cd32; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> Mixed/Other           |  |

Project Size (acres): 20.88  
 Lat/Long (DD): 31.4828 / -110.1788  
 County(s): Cochise  
 AGFD Region(s): Tucson  
 Township/Range(s): T22S, R21E  
 USGS Quad(s): NICKSVILLE

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community  
 Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



**Special Status Species Documented within 3 Miles of Project Vicinity**

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Coccyzus americanus	Yellow-billed Cuckoo (Western DPS)	LT	S	S		1
Gopherus morafkai	Sonoran Desert Tortoise	CCA	S	S		1

Note: Status code definitions can be found at <https://www.azgfd.com/wildlife/planning/wildlifeguidelines/statusdefinitions/>

**No Special Areas Detected**

No special areas were detected within the project vicinity.

**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
Ammodramus savannarum ammolegus	Arizona grasshopper sparrow					
Anthus spragueii	Sprague's Pipit	SC				2
Aquila chrysaetos	Golden Eagle			S		2
Aspidoscelis sonorae	Sonoran Spotted Whiptail					2
Athene cunicularia hypugaea	Western Burrowing Owl	SC	S	S		2
Auriparus flaviceps	Verdin					2
Buteo regalis	Ferruginous Hawk	SC		S		2
Buteo swainsoni	Swainson's Hawk					2
Calcarius ornatus	Chestnut-collared Longspur					2
Callipepla squamata	Scaled Quail					2
Calypte costae	Costa's Hummingbird					2
Camptostoma imberbe	Northern Beardless-Tyrannulet		S			2
Campylorhynchus brunneicapillus	Cactus Wren					2
Catharus ustulatus	Swainson's Thrush					2
Chaetodipus baileyi	Bailey's Pocket Mouse					2
Chordeiles minor	Common Nighthawk					2
Coccyzus americanus	Yellow-billed Cuckoo (Western DPS)					
Colaptes chrysoides	Gilded Flicker			S		2
Columbina inca	Inca Dove					2
Corvus cryptoleucus	Chihuahuan Raven					2
Corynorhinus townsendii pallescens	Pale Townsend's Big-eared Bat	SC	S	S		1
Cynomys ludovicianus	Black-tailed Prairie Dog	CCA		S		1
Elgaria kingii	Madrean Alligator Lizard					2
Empidonax traillii extimus	Southwestern Willow Flycatcher					
Empidonax wrightii	Gray Flycatcher					2
Falco mexicanus	Prairie Falcon					2
Falco peregrinus anatum	American Peregrine Falcon					
Falco sparverius	American Kestrel					2

**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>Hypsiglena sp. nov.</i>	Hooded Nightsnake					2
<i>Icterus bullockii</i>	Bullock's Oriole					2
<i>Icterus cucullatus</i>	Hooded Oriole					2
<i>Incilius alvarius</i>	Sonoran Desert Toad					2
<i>Kinosternon sonoriense sonoriense</i>	Desert Mud Turtle					
<i>Lanius ludovicianus</i>	Loggerhead Shrike	SC				2
<i>Lasiurus blossevillii</i>	Western Red Bat		S			2
<i>Lasiurus xanthinus</i>	Western Yellow Bat		S			2
<i>Leptonycteris yerbabuenae</i>	Lesser Long-nosed Bat	SC				1
<i>Megascops kennicottii</i>	Western Screech-owl					
<i>Melanerpes uropygialis</i>	Gila Woodpecker					2
<i>Melospiza lincolni</i>	Lincoln's Sparrow					2
<i>Myotis auriculus</i>	Southwestern Myotis					2
<i>Myotis velifer</i>	Cave Myotis	SC		S		2
<i>Myotis yumanensis</i>	Yuma Myotis	SC				2
<i>Nyctinomops femorosaccus</i>	Pocketed Free-tailed Bat					2
<i>Nyctinomops macrotis</i>	Big Free-tailed Bat	SC				2
<i>Parabuteo unicinctus</i>	Harris's Hawk					2
<i>Passerculus sandwichensis</i>	Savannah Sparrow					2
<i>Peucaea botterii arizonae</i>	Arizona Botteri's Sparrow			S		2
<i>Peucaea carpalis</i>	Rufous-winged Sparrow					2
<i>Phrynosoma solare</i>	Regal Horned Lizard					2
<i>Poocetes gramineus</i>	Vesper Sparrow					2
<i>Spizella breweri</i>	Brewer's Sparrow					2
<i>Tadarida brasiliensis</i>	Brazilian Free-tailed Bat					
<i>Terrapene ornata</i>	Ornate Box Turtle				S	1
<i>Troglodytes pacificus</i>	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
<i>Callipepla gambelii</i>	Gambel's Quail					
<i>Callipepla squamata</i>	Scaled Quail					
<i>Patagioenas fasciata</i>	Band-tailed Pigeon					
<i>Pecari tajacu</i>	Javelina					
<i>Puma concolor</i>	Mountain Lion					
<i>Zenaida asiatica</i>	White-winged Dove					
<i>Zenaida macroura</i>	Mourning Dove					

**Project Type: Development Outside Municipalities (Rural Development), Commercial/industrial (mall) and associated infrastructure, New construction**

**Project Type Recommendations:**

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/planning/wildlifeguidelines/>.

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.

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://imap.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 direct 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.

Based on the project type entered, coordination with State Historic Preservation Office may be required (<https://azstateparks.com/>).

Trenches should be covered or back-filled as soon as possible. Incorporate escape ramps in ditches or fencing along the perimeter to deter small mammals and herpetofauna (snakes, lizards, tortoise) from entering ditches.

Communities can actively support the sustainability and mobility of wildlife by incorporating wildlife planning into their regional/comprehensive plans, their regional transportation plans, and their open space/conservation land system programs. An effective approach to wildlife planning begins with the identification of the wildlife resources in need of protection, an assessment of important habitat blocks and connective corridors, and the incorporation of these critical wildlife components into the community plans and programs. Community planners should identify open spaces and habitat blocks that can be maintained in their area, and the necessary connections between those blocks to be preserved or protected. Community planners should also work with State and local transportation planning entities, and planners from other communities, to foster coordination and cooperation in developing compatible development plans to ensure wildlife habitat connectivity. The Department's guidelines for incorporating wildlife considerations into community planning and developments can be found on the Wildlife Friendly Guidelines portion of the Wildlife Planning page at <https://www.azgfd.com/wildlife/planning/wildlifeguidelines/>.

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

Based on the project type entered, coordination with Arizona Department of Water Resources may be required (<https://new.azwater.gov/>).

Based on the project type entered, coordination with U.S. Army Corps of Engineers may be required (<http://www.usace.army.mil/>)

Based on the project type entered, coordination with County Flood Control district(s) may be required.

Development plans should provide for open natural space for wildlife movement, while also minimizing the potential for wildlife-human interactions through design features. Please contact Project Evaluation Program for more information on living with urban wildlife at [PEP@azgfd.gov](mailto:PEP@azgfd.gov) or at <https://www.azgfd.com/wildlife/planning/wildlifeguidelines/> and <https://www.azgfd.com/Wildlife/LivingWith>.

***The Department requests further coordination to provide project/species specific recommendations, please contact Project Evaluation Program directly at [PEP@azgfd.gov](mailto:PEP@azgfd.gov).***

**Project Location and/or Species Recommendations:**

HDMS records indicate that one or more **Listed, Proposed, or Candidate** species or **Critical Habitat** (Designated or Proposed) have been documented in the vicinity of your project. The Endangered Species Act (ESA) gives the US Fish and Wildlife Service (USFWS) regulatory authority over all federally listed species. Please contact USFWS Ecological Services Offices at <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://www.azgfd.com/wildlife/nongamemanagement/tortoise/>