



Cochise County Engineering & Natural Resources

Public Programs...Personal Service
www.cochise.az.gov

JACKIE WATKINS, PE
Director

INTEROFFICE MEMO

Date: February 3, 2020
To: Robert Kirschmann, Planner II
From: Teresa Murphy, Right-of-Way Agent
Subject: SU-20-01 (Maples)

Background: The Applicant requests a Special Use Authorization to construct a 3,750 square foot convenience store and gasoline/service station on a portion of a 58 acres lot located on Kansas Settlement Road, approximately 650 feet north of E. Kimzey Road. The Applicant is Jason Maples. The property owner is Wildcat Land Holdings LLC, Jason and April Maples are members and authorized agents. Right-of-Way Staff was contacted by Planning and Zoning to review the permit and provide comments regarding right-of-way dedication needs for County Maintained roads.

Analysis:

- Access via Kansas Settlement Road
 - County maintained road (M.I. 495)
 - Declared County Highway
 - Established by Board Action Feb. 2, 1940; 60' wide; 30' either side of centerline
 - Classified as a Federal Function Major Collector road
 - Right-of-way width 100'-150' per Cochise County road standards
- Kimzey Road
 - County maintained road (M.I. 509)
 - Declared County Highway
 - Established by Board action March 13, 1961; 70' wide
 - Classified as a Minor Access Local Road
 - Right-of-way width 60'-80' per Cochise County road standards

Recommendation:

- Further right-of-way dedication is required for Kansas Settlement at this time. Right-of-way division will provide legal documents for the transfer of land in Fee Title to Cochise County for road use. Required width will be determined upon further review, 50' minimum. We would also request perfecting the right-of-way for Kimzey Road.

From: [Watkins, Jackie](#)
To: [Kirschmann, Robert](#)
Cc: [Solis, Joaquin](#); [Murphy, Teresa](#)
Subject: RE: Transmittal SU-19-01 (Maples)
Date: Monday, February 24, 2020 5:44:53 PM
Attachments: [image001.png](#)

Robert,

I have reviewed the Maples project and offer the following comments:

1. Commercial site needs to provide detention/retention from the pre/post development stormwater flow.
2. Per the Trip Generation manual and ADOT Turn Lane Warrants and a posted speed limit of 55 this site could require a left-turn lane. With the remote location I think most of the traffic is Pass-By with low new trips generated. We need to have a delayed development agreement that if within 5 years a turn lane is warranted then the applicant will construct said turn lane.
3. Construction plans and ROW permit for the new asphalt access. The access driveway will require turn radius and not the angle as shown on the site plan.

Thanks,

Jackie Watkins, P.E.

Director

Engineering & Natural Resources

1415 Melody Lane, Building F

Bisbee, AZ 85603

520-432-9313

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

Sent: Friday, January 31, 2020 8:51 AM

To: Solis, Joaquin <JSolis@cochise.az.gov>; Simmons, Bradley A <bsimmons@cochise.az.gov>; Watkins, Jackie <JWatkins@cochise.az.gov>; Hasan, Mohd R <mhasan@cochise.az.gov>; Garcia, Teresa M <TGarcia@cochise.az.gov>; Murphy, Teresa <TMurphy@cochise.az.gov>; Cratsenburg, Diane E <dcratsenburg@cochise.az.gov>; Esparza, Paul <PEsparza@cochise.az.gov>; Roberts, Christine <CRoberts@cochise.az.gov>; McGee, Michael S <MMcGee@cochise.az.gov>; Capas, Carol <CCapas@cochise.az.gov>

Cc: Coxworth, Daniel <dcoxworth@cochise.az.gov>

Subject: Transmittal SU-19-01 (Maples)

Good afternoon,

Attached to this email please find a transmittal and application packet for a new convenience store and gas station to be located in the Kansas Settlement area. Comments are due no latter than monday February 24, 2020.

The SharePoint link can be found here:

From: [Ruth Bigelow](#)
To: [Kirschmann, Robert](#)
Subject: RE: Transmittal SU-20-01 (Maples)
Date: Wednesday, February 12, 2020 2:37:07 PM
Attachments: [image001.png](#)

CAUTION: EXTERNAL EMAIL*

Robert,

SSVEC has no comments/conditions to submit for this special use permit request.

Thank you,

Ruth Bigelow
Lead Line Extension ROW Agent
[Sulphur Springs Valley Electric Cooperative](#)
(520) 384-5513

From: Kirschmann, Robert <RKirschmann@cochise.az.gov>
Sent: Friday, January 31, 2020 8:52 AM
To: Ruth Bigelow <rbigelow@ssvec.com>; Lee Mancini <lee.mancini@swgas.com>; pep@azgfd.gov; patina.thompson@az.nacdnet.net; Travis Taylor <Taylor.Travis@azdeq.gov>; medelman@azland.gov; Richard B. Obenshain <rbobenshain@azwater.gov>
Subject: Transmittal SU-20-01 (Maples)

[CAUTION] This email originated from outside of SSVEC. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

Attached to this email please find a transmittal and application packet for a new convenience store and gas station to be located in the Kansas Settlement area. Comments are due no latter than monday February 24, 2020.

If you have any questions please let me know.

Robert Kirschmann

Planner II
Cochise County Community Development
Development Services Department
1415 Melody Lane, Building E

From: [Cratsenburg, Diane E](#)
To: [Kirschmann, Robert](#)
Cc: [Watkins, Jackie](#); [Simmons, Bradley A](#); [Murphy, Teresa](#)
Subject: FW: Transmittal SU-19-01 (Maples)
Date: Friday, February 21, 2020 12:57:43 PM
Attachments: [image001.png](#)
[image004.png](#)

The site plan submitted with the special use application is a very good start on the site plan that would be required for the access at the commercial permitting stage if the use is approved. A Right of Way Encroachment Permit would be required to establish the commercial driveway. Any required modifications of driveway access details could occur at the commercial permitting stage.

Items that would need to be addressed in further detail later:

ROW adjacent to this parcel; Teresa Murphy's email confirmation is below.

Driveway width exceeds minimum requirements, but the proposed turn radii might need modification. Large turn radii are required for safety with turns from a road with posted speed of 55mph into a proposed commercial site.

Surface treatment for driveway appears to be proposed to be DBST; it would need to be AC to match the road surface of Kansas Settlement Road.

Diane Cratsenburg
Engineering Technician III
Engineering & Natural Resources
1415 Melody Lane, Building F
Bisbee, AZ 85603
520-432-9327 office
520-508-0100 cell



Public Programs...Personal Service

www.cochise.az.gov

<https://www.facebook.com/CochiseCountyAZ/>

From: Murphy, Teresa <TMurphy@cochise.az.gov>
Sent: Tuesday, February 04, 2020 11:22 AM
To: Cratsenburg, Diane E <dcratsenburg@cochise.az.gov>
Subject: RE: Transmittal SU-19-01 (Maples)

Yeah I request row for Kansas settlement and Kimzey.

Environmental Health:

1. EH will need to conduct a plan check for the food part of the convenience store.
2. EH will need to permit the facility by conducting a pre opening inspection and an opening inspection.
3. A septic system will need to be designed, approved, and inspected prior to opening.



February 25, 2020

Robert Kirschmann
Cochise County Community Development
1415 Melody Lane, Building E
Bisbee, Arizona 85603

Re: Review of the Kansas Settlement Road Gas Station project

Dear Mr. Kirschmann:

The Arizona Game and Fish Department (Department) reviewed your Project Evaluation Request dated January 31, 2020, regarding Coconino Counties proposal of the construction of a gas station and convenience store in the Wilcox area.

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

- Although the western burrowing owl (*Athene cunicularia hypugaea*), a special status species that is regulated under the Migratory Bird Treaty Act (MBTA), has not been recorded in the immediate vicinity of your project, there may be suitable habitat near the project site. If suitable habitat for this species is present within or adjacent to your project area, the Department recommends conducting an occupancy survey for western burrowing owl to determine if this species occurs within your project footprint. Guidelines for conducting this survey are found in *Burrowing Owl Project Clearance Guidance for Landowners* which can be accessed on-line through the Department's website. Please note that the survey should be conducted by a surveyor that is certified by the Department. If an active burrowing owl burrow is detected, please contact the Department and the U.S. Fish and Wildlife Service for direction, in accordance with the *Burrowing Owl Project Clearance Guidance for Landowners*.
<https://www.azgfd.com/wildlife/speciesofgreatestconservneed/raptor-management/burrowing-owl-mangement/>
- 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 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.
- If proposed ground disturbance (both temporary and permanent), in areas with native vegetation, will meet or exceed 0.25 acre, please comply with the Arizona Native Plant Law regulations. Please determine if a Native Plant Inventory should be conducted to identify, record, and coordinate plant salvage efforts for species that are Protected under the Arizona

azgfd.gov | 602.942.3000

5000 W. CAREFREE HIGHWAY, PHOENIX AZ 85086

GOVERNOR: DOUGLAS A. DUCEY COMMISSIONERS: CHAIRMAN, ERIC S. SPARKS, TUCSON | KURT R. DAVIS, PHOENIX
LELAND S. "BILL" BRAKE, ELGIN | JAMES E. GOUGHNOUR, PAYSON | JAMES S. ZIELER, ST. JOHNS DIRECTOR: TY E. GRAY DEPUTY DIRECTOR: TOM P. FINLEY

Robert Kirschmann

February 25, 2020

Page 2

Native Plant Law. In addition, the applicable land management agencies should be consulted regarding guidelines for revegetation efforts.

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

<http://riester-az-agriculture.pantheonsite.io/sites/default/files/Native%20Plant%20Rules%20-%20AZ%20Dept%20of%20Ag.pdf>

- 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. To view a list of documented invasive species in or near your project area visit <http://login.imapinvasives.org/azimi/login/?next=/azimi/>. To build a list: login, go to Query and Reports, select a geography value relevant to your project area, and select “View Report” for a list of reported species.
 - Arizona has noxious weed regulations (Arizona Revised Statutes, Rules R3-4-244 and R3-4-245); please see the Arizona Department of Agriculture website for prohibited and restricted noxious weeds.
<https://www.invasivespeciesinfo.gov/unitedstates/az.shtml>
<https://agriculture.az.gov/pests-pest-control/agriculture-pests/noxious-weeds>
<https://plants.usda.gov/java/noxious?rptType=State&statefips=04>

The Department appreciates the opportunity to provide an evaluation of impacts to wildlife or wildlife habitats associated with the Kansas Settlement Road Gas Station project. If you have any questions regarding this letter, please contact me at (623) 236-7222, and visit our website for additional guidelines at <https://www.azgfd.com/wildlife/planning/wildlifeguidelines/>.

Sincerely,



Project Evaluation Program Specialist, Habitat Branch
Arizona Game and Fish Department

cc: Ginger Ritter, Project Evaluation Program Supervisor
John Windes, Habitat Program Manager, Region V

AGFD# M20-01312852

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:

Kansas Settlement Road Convenience Store

Project Description:

Construction of a gas station and convenience store with associated infrastructure.

Project Type:

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

Contact Person:

Andrew Cavalcant

Organization:

AZGFD

On Behalf Of:

OTHER_CTY

Project ID:

HGIS-10565

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

Disclaimer:

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

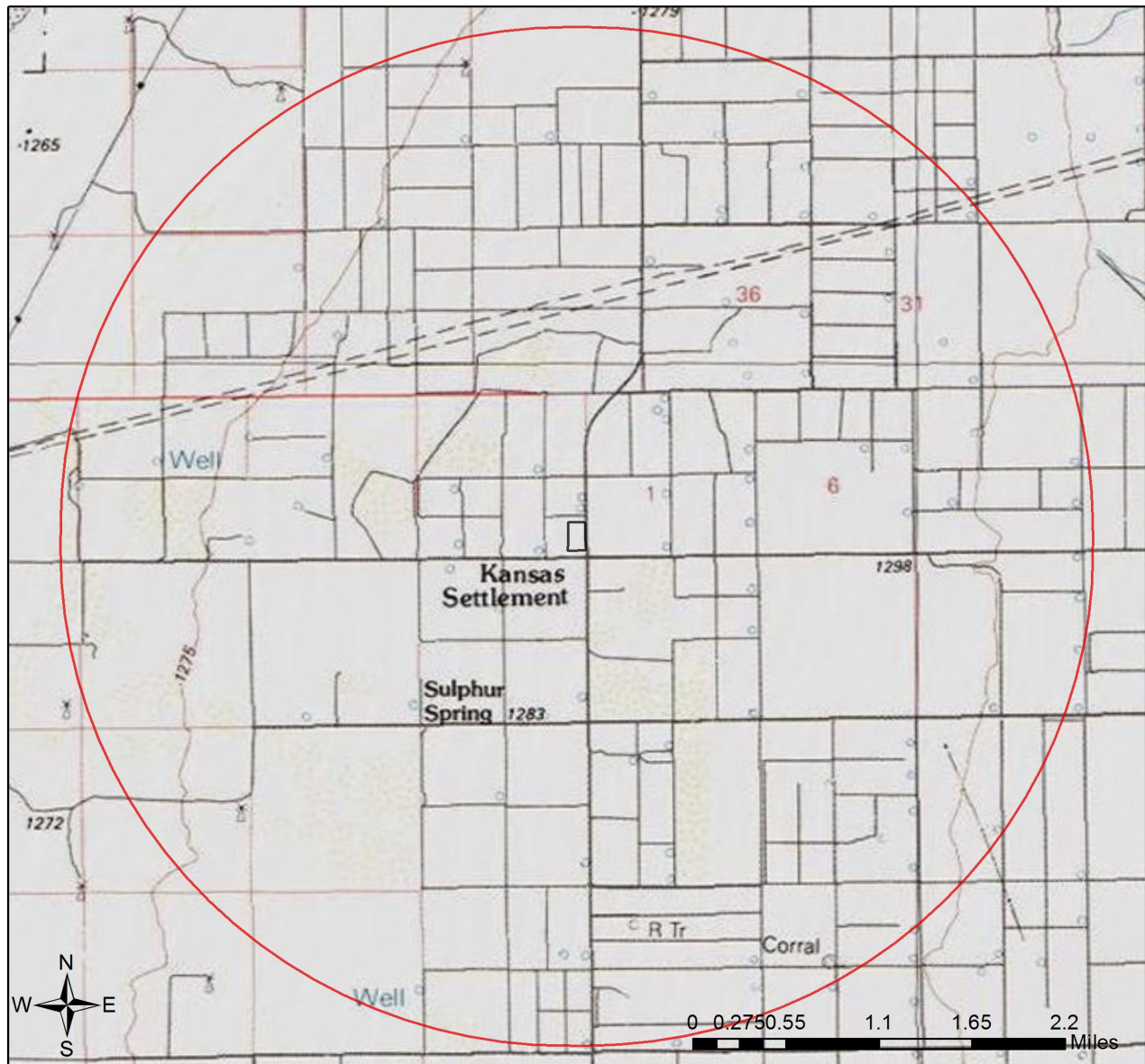
Locations Accuracy Disclaimer:



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

Recommendations Disclaimer:

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

Kansas Settlement Road Convenience Store USA Topo Basemap With Locator Map



-  Project Boundary
-  Buffered Project Boundary

Project Size (acres): 11.24

Lat/Long (DD): 32.0663 / -109.7635

County(s): Cochise

AGFD Region(s): Tucson

Township/Range(s): T16S, R25E

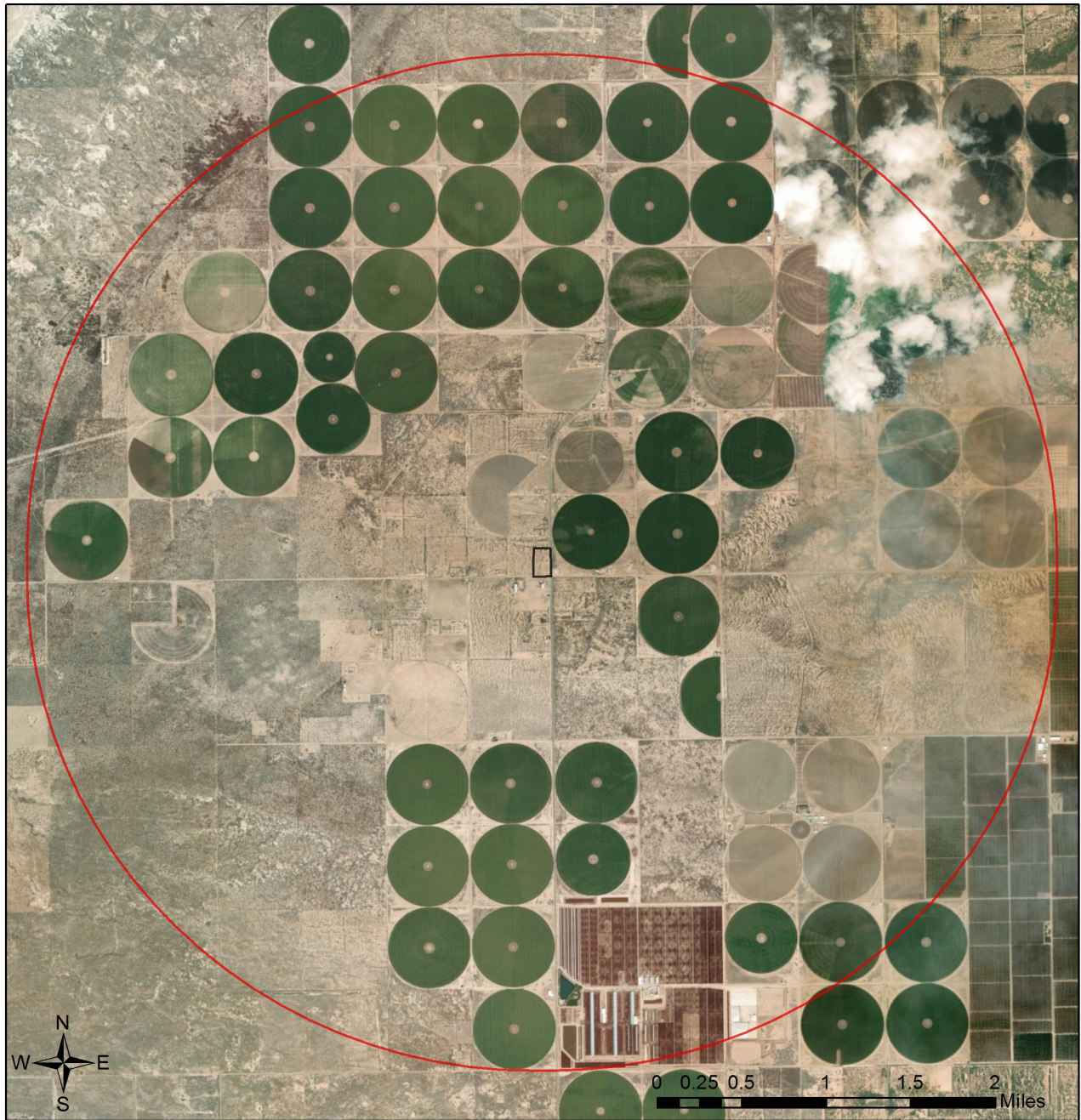
USGS Quad(s): SULPHUR SPRING

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



Kansas Settlement Road Convenience Store

Web Map As Submitted By User



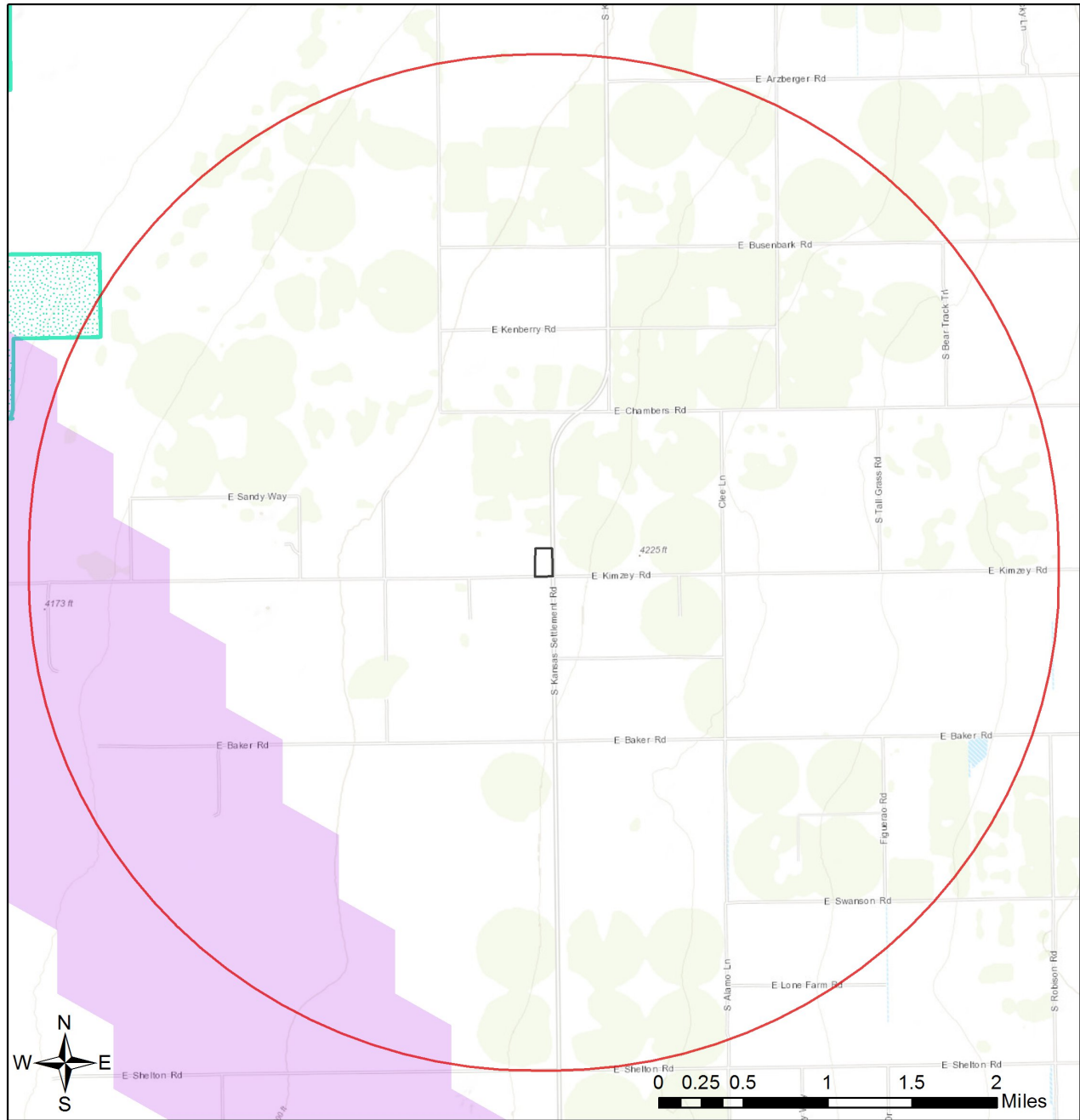
- Project Boundary
- Buffered Project Boundary

Project Size (acres): 11.24
Lat/Long (DD): 32.0663 / -109.7635
County(s): Cochise
AGFD Region(s): Tucson
Township/Range(s): T16S, R25E
USGS Quad(s): SULPHUR SPRING

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Kansas Settlement Road Convenience Store

Important Areas



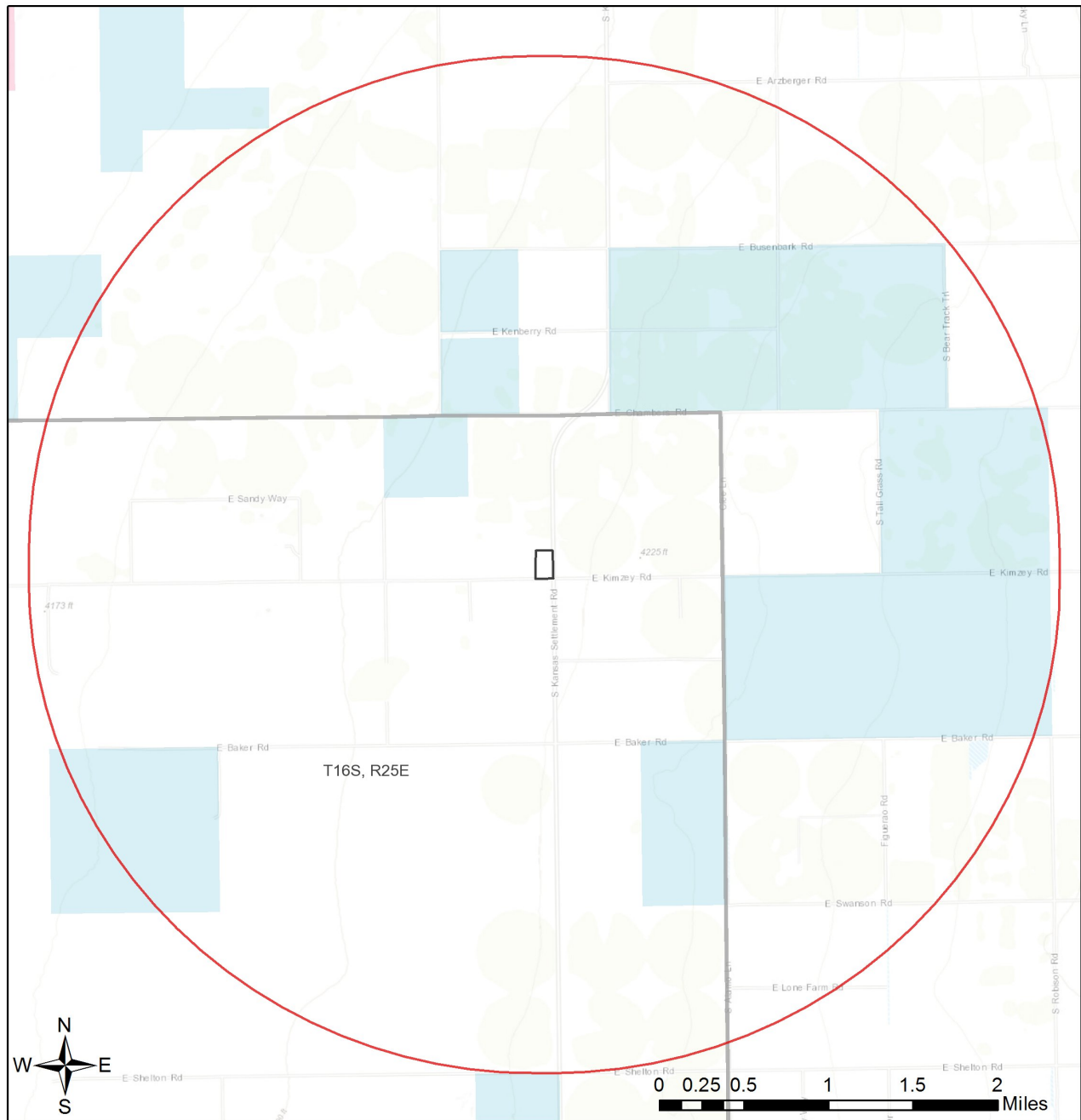
- | | |
|--------------------------------------|--|
| Project Boundary | Wildlife Movement Area - Riparian/Wash |
| Buffered Project Boundary | Wildlife Connectivity |
| County Stakeholder Assessment | Important Connectivity Zones |
| Wildlife Crossing Area | Pinal County Riparian |
| Wildlife Movement Area - Diffuse | Critical Habitat |
| Wildlife Movement Area - Landscape | Important Bird Areas |

Project Size (acres): 11.24
 Lat/Long (DD): 32.0663 / -109.7635
 County(s): Cochise
 AGFD Region(s): Tucson
 Township/Range(s): T16S, R25E
 USGS Quad(s): SULPHUR SPRING

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Kansas Settlement Road Convenience Store

Township/Ranges and Land Ownership



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

Project Size (acres): 11.24
 Lat/Long (DD): 32.0663 / -109.7635
 County(s): Cochise
 AGFD Region(s): Tucson
 Township/Range(s): T16S, R25E
 USGS Quad(s): SULPHUR SPRING

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) 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
Lithobates blairi	Plains Leopard Frog			S		1A
Terrapene ornata luteola	Desert Box Turtle			S		1A

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 within the Project Vicinity based on Predicted Range Models

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Ammodramus savannarum ammolegus	Arizona grasshopper sparrow		S	S		1B
Ammodramus savannarum perpallidus	Western Grasshopper Sparrow					1B
Ammospermophilus harrisi	Harris' Antelope Squirrel					1B
Anthus spragueii	Sprague's Pipit	SC				1A
Athene cunicularia hypugaea	Western Burrowing Owl	SC	S	S		1B
Buteo regalis	Ferruginous Hawk	SC		S		1B
Buteo swainsoni	Swainson's Hawk					1C
Callipepla squamata	Scaled Quail					1C
Calypte costae	Costa's Hummingbird					1C
Chordeiles minor	Common Nighthawk					1B
Cistothorus palustris	Marsh Wren					1C
Coluber bilineatus	Sonoran Whipsnake					1B
Corynorhinus townsendii pallescens	Pale Townsend's Big-eared Bat	SC	S	S		1B
Crotalus tigris	Tiger Rattlesnake					1B
Cynanthus latirostris	Broad-billed Hummingbird		S			1B
Cynomys ludovicianus	Black-tailed Prairie Dog	CCA		S		1A
Dipodomys spectabilis	Banner-tailed Kangaroo Rat			S		1B
Euderma maculatum	Spotted Bat	SC	S	S		1B
Eumops perotis californicus	Greater Western Bonneted Bat	SC		S		1B
Falco peregrinus anatum	American Peregrine Falcon	SC	S	S		1A
Haliaeetus leucocephalus	Bald Eagle	SC, BGA	S	S		1A
Heloderma suspectum	Gila Monster					1A
Hypsiglena sp. nov.	Hooded Nightsnake					1B
Lasiurus blossevillii	Western Red Bat		S			1B
Lasiurus xanthinus	Western Yellow Bat		S			1B
Leptonycteris yerbabuenae	Lesser Long-nosed Bat	SC				1A
Lepus alleni	Antelope Jackrabbit					1B

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

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Lithobates blairi	Plains Leopard Frog			S		1A
Lithobates chiricahuensis	Chiricahua Leopard Frog	LT				1A
Melospiza lincolnii	Lincoln's Sparrow					1B
Melospiza aberti	Abert's Towhee		S			1B
Micrathene whitneyi	Elf Owl					1C
Micruroides euryxanthus	Sonoran Coralsnake					1B
Myiarchus tyrannulus	Brown-crested Flycatcher					1C
Myotis occultus	Arizona Myotis	SC		S		1B
Myotis velifer	Cave Myotis	SC		S		1B
Myotis yumanensis	Yuma Myotis	SC				1B
Nyctinomops femorosaccus	Pocketed Free-tailed Bat					1B
Oreoscoptes montanus	Sage Thrasher					1C
Oreothlypis luciae	Lucy's Warbler					1C
Panthera onca	Jaguar	LE				1A
Passerculus sandwichensis	Savannah Sparrow					1B
Peromyscus nasutus	Northern Rock Deermouse					1B
Peucaea botterii arizonae	Arizona Botteri's Sparrow			S		1B
Phrynosoma solare	Regal Horned Lizard					1B
Spizella breweri	Brewer's Sparrow					1C
Sturnella magna	Eastern Meadowlark					1C
Tadarida brasiliensis	Brazilian Free-tailed Bat					1B
Terrapene ornata	Ornate Box Turtle					1A
Vireo bellii arizonae	Arizona Bell's Vireo					1B
Vulpes macrotis	Kit Fox	No Status				1B

Species of Economic and Recreation Importance Predicted within the Project Vicinity

Scientific Name	Common Name	FWS	USFS	BLM	NPL	SGCN
Callipepla gambelii	Gambel's Quail					
Callipepla squamata	Scaled Quail					1C
Odocoileus hemionus	Mule Deer					
Patagioenas fasciata	Band-tailed Pigeon					1C
Pecari tajacu	Javelina					
Puma concolor	Mountain Lion					
Zenaida asiatica	White-winged Dove					
Zenaida macroura	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 potential introduction or spread of exotic invasive species. Invasive species can be plants, animals (exotic snails), and other organisms (e.g., microbes), which may cause alteration to ecological functions or compete with or prey upon native species and can cause social impacts (e.g., livestock forage reduction, increase wildfire risk). The terms noxious weed or invasive plants are often used interchangeably. Precautions should be taken to wash all equipment utilized in the project activities before leaving the site. Arizona has noxious weed regulations (Arizona Revised Statutes, Rules R3-4-244 and R3-4-245). See Arizona Department of Agriculture website for restricted plants, <https://agriculture.az.gov/>. Additionally, the U.S. Department of Agriculture has information regarding pest and invasive plant control methods including: pesticide, herbicide, biological control agents, and mechanical control, <https://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/national/water/quality/?cid=stelprdb1044769> The Department regulates the importation, purchasing, and transportation of wildlife and fish (Restricted Live Wildlife), please refer to the hunting regulations for further information <https://www.azgfd.com/hunting/regulations>.

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 (<http://azstateparks.com/SHPO/index.html>).

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 herptefauna (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 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.