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## PROJECT INFORMATION

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**Project Title:** Hamilton Road Bridge Replacement  
**Project Type:** TRANSPORTATION, ROADS AND BRIDGES, ROADS AND BRIDGES-MAINTENANCE/MINOR RETROFIT  
**Latitude/Longitude (DMS):** 32.853246 / -107.973454  
**County(s):** GRANT  
**Project Description:** Grant County is proposing to replace a single span bridge along Hamilton Road, near Mimbres, New Mexico. Hamilton Road is a single lane, dead end, gravel road that provides access to a few residential properties located on the east bank of the Mimbres River. The existing single span bridge crossing the Mimbres River has been closed due to the degree of scour, and a gravel, low water crossing located on the north side of the bridge is currently providing access to the residences. The road and bridge are located on easements crossing private land. Grant County is proposing to replace the bridge using state funding through the Black Fire Response and Recovery fund for design, with additional state funding anticipated for construction through the New Mexico Department of Transportation (NMDOT) Transportation Project Fund (TPF). The new bridge will follow the same horizontal alignment and the construction of additional scour protection is planned both up and down stream. Grant County is acting as the project proponent and lead agency on this project.

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## REQUESTOR INFORMATION

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**Project Organization:**  
**Contact Name:** Jacob Richards  
**Email Address:** jrichards@epsilonsystems.com  
**Organization:** Epsilon Systems Solutions, Inc.  
**Address:** 1311 Edith Blvd SE, Albuquerque NM 87102  
**Phone:** 6122403099

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## OVERALL STATUS

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The information contained within this report comprises the recommendations of the New Mexico Department of Game and Fish (Department) for management and mitigation of proposed project impacts to wildlife and habitat resources; see the Project Recommendations section below for further details. No further consultation with the Department is required based on the project's location and, with implementation of mitigation measures described in the Project Recommendations section below, no adverse effects to wildlife or important habitats are anticipated. However, a Department biologist may be in touch within 30 days if they determine that further review is required.



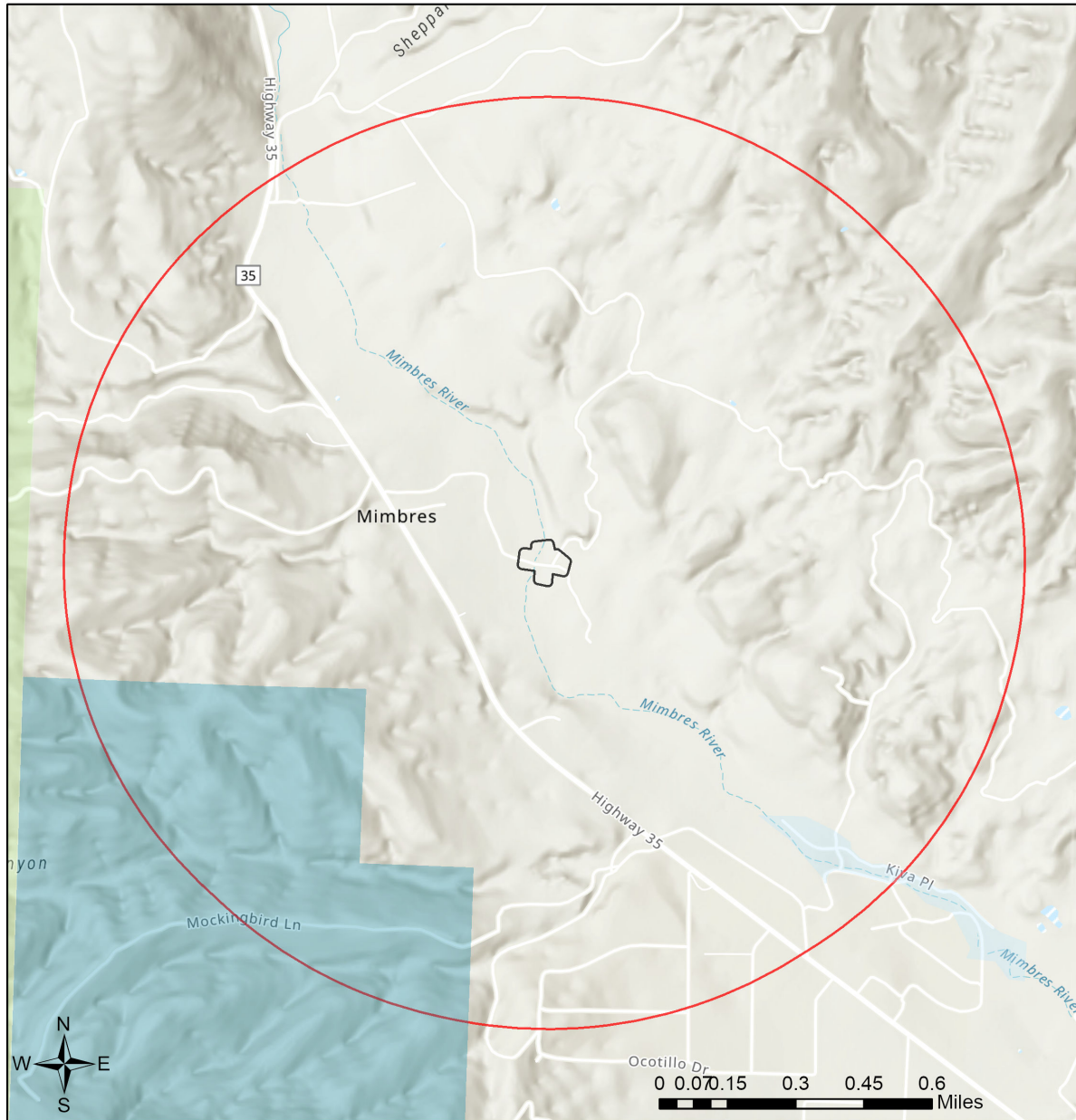
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### About this report:

- This environmental review is based on the project description and location that was entered. The report must be updated if the project type, area, or operational components are modified.
- This is a preliminary environmental screening assessment and report. It is not a substitute for the potential wildlife knowledge gained by having a biologist conduct a field survey of the project area. Federal status and plant data are provided as a courtesy to users. The review is also not intended to replace consultation required under the federal Endangered Species Act (ESA), including impact analyses for federal resources from the U.S. Fish and Wildlife Service (USFWS) using their [Information for Planning and Consultation tool](#).
- This report contains information on wildlife species protected under the ESA and the [Wildlife Conservation Act \(WCA\)](#), [Species of Greatest Conservation Need \(SGCN\)](#), and Species of Economic and Recreational Importance (SERI). Species listed under the ESA are protected from take at the federal level and under the WCA are protected from take at the state level. SGCN are identified in the [State Wildlife Action Plan \(SWAP\) for New Mexico](#); all of these species are considered to be of conservation concern but not all of them are protected from take at the state or federal level. The harvest of all SERI is regulated at the state level. The Department has no authority to designate critical habitat for species listed under the WCA; only the USFWS can designate critical habitat for species listed under the ESA.
- The New Mexico Environmental Review Tool (ERT) utilizes species observation locations and species habitat suitability models, both of which are subject to ongoing change and refinement. Inclusion or omission of a species within a report cannot guarantee species presence or absence within your project area. To determine occurrence of any species listed in this report, or other wildlife that may be present within your project area, onsite surveys conducted by a qualified biologist during appropriate, species-specific survey timelines may be necessary.
- The Department encourages use of the ERT to modify proposed projects for avoidance, minimization, or mitigation of wildlife impacts. However, the ERT is not intended to be used in a repeatedly iterative fashion to adjust project attributes until a previously determined recommendation is generated. The ERT serves to assess impacts once project details are developed. The [New Mexico Crucial Habitat Assessment Tool](#), the data layers from which are included in the ERT, is the appropriate system for advising early-stage project planning and design to avoid areas of anticipated wildlife concerns and associated regulatory requirements.



## Hamilton Road Bridge Replacement



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|---------------------------|------------------------------|------------------------------|---|
| Buffered Project Boundary | Department of Energy         | State Land Office            | U.S. Department of Agriculture              |
| Project Boundary          | NM Department of Game & Fish | State of New Mexico          | U.S. Fish and Wildlife Service              |
| Bureau of Land Management | NM State Forestry Division   | Tribal Land                  | U.S. Forest Service                         |
| City Land                 | NM State Parks               | U.S. Army Corps of Engineers | U.S. Natural Resources Conservation Service |
| County Land               | National Park Service        | U.S. Bureau of Reclamation   |   |
| Department of Defense     | Private                      |                              |   |

USGS, New Mexico Department of Game and Fish (NMDGF), Natural Heritage New Mexico (NHNM), and USDA Forest Service,

Compiled by Richard Norwood of NHNM over the period 2020 to 2021.

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



**Special Status Animal Species Potentially within 1 Miles of Project Area**

Common Name	Scientific Name	USFWS (ESA)	NMDGF (WCA)	NMDGF SGCN/SERI
<a href="#">Arizona Toad</a>	<a href="#">Anaxyrus microscaphus</a>			SGCN
<a href="#">Mountain Treefrog</a>	<a href="#">Hyla wrightorum</a>			SGCN
<a href="#">Boreal Chorus Frog</a>	<a href="#">Pseudacris maculata</a>			SGCN
<a href="#">Chiricahua Leopard Frog</a>	<a href="#">Lithobates chiricahuensis</a>	LT		SGCN
<a href="#">American Bittern</a>	<a href="#">Botaurus lentiginosus</a>			SGCN
<a href="#">Aplomado Falcon</a>	<a href="#">Falco femoralis</a>		E	SGCN
<a href="#">Peregrine Falcon</a>	<a href="#">Falco peregrinus</a>		T	SGCN
<a href="#">Yellow-Billed Cuckoo</a>	<a href="#">Coccyzus americanus</a>	LT		SGCN
<a href="#">Elf Owl</a>	<a href="#">Micrathene whitneyi</a>			SGCN
<a href="#">Western Burrowing Owl</a>	<a href="#">Athene cunicularia hypugaea</a>			SGCN
<a href="#">Mexican Spotted Owl</a>	<a href="#">Strix occidentalis lucida</a>	LT		SGCN
<a href="#">Common Nighthawk</a>	<a href="#">Chordeiles minor</a>			SGCN
<a href="#">Lewis's Woodpecker</a>	<a href="#">Melanerpes lewis</a>			SGCN
<a href="#">Gila Woodpecker</a>	<a href="#">Melanerpes uropygialis</a>		T	SGCN
<a href="#">Williamson's Sapsucker</a>	<a href="#">Sphyrapicus thyroideus</a>			SGCN
<a href="#">Bank Swallow</a>	<a href="#">Riparia riparia</a>			SGCN
<a href="#">Pinyon Jay</a>	<a href="#">Gymnorhinus cyanocephalus</a>			SGCN
<a href="#">Juniper Titmouse</a>	<a href="#">Baeolophus ridgwayi</a>			SGCN
<a href="#">Pygmy Nuthatch</a>	<a href="#">Sitta pygmaea</a>			SGCN
<a href="#">Western Bluebird</a>	<a href="#">Sialia mexicana</a>			SGCN
<a href="#">Mountain Bluebird</a>	<a href="#">Sialia currucoides</a>			SGCN
<a href="#">Bendire's Thrasher</a>	<a href="#">Toxostoma bendirei</a>			SGCN
<a href="#">Sprague's Pipit</a>	<a href="#">Anthus spragueii</a>			SGCN
<a href="#">Loggerhead Shrike</a>	<a href="#">Lanius ludovicianus</a>			SGCN
<a href="#">Gray Vireo</a>	<a href="#">Vireo vicinior</a>		T	SGCN
<a href="#">Virginia's Warbler</a>	<a href="#">Leiothlypis virginiae</a>			SGCN
<a href="#">Lucy's Warbler</a>	<a href="#">Leiothlypis luciae</a>			SGCN
<a href="#">Black-Throated Gray Warbler</a>	<a href="#">Setophaga nigrescens</a>			SGCN
<a href="#">Grace's Warbler</a>	<a href="#">Setophaga graciae</a>			SGCN
<a href="#">Red-Faced Warbler</a>	<a href="#">Cardellina rubrifrons</a>			SGCN
<a href="#">Painted Redstart</a>	<a href="#">Myioborus pictus</a>			SGCN
<a href="#">Black-Chinned Sparrow</a>	<a href="#">Spizella atrogularis</a>			SGCN
<a href="#">Vesper Sparrow</a>	<a href="#">Pooecetes gramineus</a>			SGCN
<a href="#">Thick-billed Longspur</a>	<a href="#">Rhynchophanes mccownii</a>			SGCN
<a href="#">Chestnut-Collared Longspur</a>	<a href="#">Calcarius ornatus</a>			SGCN
<a href="#">Cassin's Finch</a>	<a href="#">Haemorhous cassinii</a>			SGCN
<a href="#">Evening Grosbeak</a>	<a href="#">Coccothraustes vespertinus</a>			SGCN
<a href="#">Chihuahua Chub</a>	<a href="#">Gila nigrescens</a>	LT	E	SGCN



### Special Status Animal Species Potentially within 1 Miles of Project Area

Common Name	Scientific Name	USFWS (ESA)	NMDGF (WCA)	NMDGF SGCN/SERI
<a href="#">Rio Grande Sucker</a>	<a href="#">Catostomus plebeius</a>			SGCN
<a href="#">Spotted Bat</a>	<a href="#">Euderma maculatum</a>		T	SGCN
<a href="#">Pale Townsend's Big-Eared Bat</a>	<a href="#">Corynorhinus townsendii pallescens</a>			SGCN
<a href="#">Black Bear</a>	<a href="#">Ursus americanus</a>			SERI
<a href="#">Jaguar</a>	<a href="#">Panthera onca</a>	LE		SGCN
<a href="#">Mountain Lion</a>	<a href="#">Puma concolor</a>			SERI
<a href="#">Elk</a>	<a href="#">Cervus canadensis</a>			SERI
<a href="#">Mule Deer</a>	<a href="#">Odocoileus hemionus</a>			SERI
<a href="#">Sonoran Mud Turtle</a>	<a href="#">Kinosternon sonoriense</a>			SGCN
<a href="#">Gila Monster</a>	<a href="#">Heloderma suspectum</a>		E	SGCN
<a href="#">Gray-Checkered Whiptail</a>	<a href="#">Aspidoscelis tessellata</a>		E	SGCN
<a href="#">Narrowhead Garter Snake</a>	<a href="#">Thamnophis rufipunctatus</a>	LT	T	SGCN
<a href="#">Rock Rattlesnake</a>	<a href="#">Crotalus lepidus</a>			SGCN

ESA = Endangered Species Act, C = Candidate, LE = Listed Endangered, LT = Listed Threatened, XN = Non-essential Experimental Population, for other ESA codes see this website: <https://nhnm.unm.edu/node/1378928>; WCA = Wildlife Conservation Act, E = Endangered, T = Threatened; SERI = Species of Economic and Recreational Importance; SGCN = Species of Greatest Conservation Need.

### Special Status Plant Species Potentially within 1 Miles of Project Area

Common Name	Scientific Name	USFWS (ESA)	NMAC	NMRPCS
<a href="#">Mogollon Whitlowgrass</a>	<a href="#">Draba mogollonica</a>			SS

NMAC = New Mexico Administrative Code, NMRPCS = [New Mexico Rare Plant Conservation Strategy](#), SS = NM Rare Plant Conservation Strategy Species, E = Endangered

### Project Recommendations

Since the proposed highway project includes bridge or road construction activities, the Department recommends implementation of its [Bridge and Culvert Construction Guidelines for Stream, Riparian, and Wetland Habitats](#) for any rivers, streams, washes, springs, seeps, or riparian areas that are fall within the impact footprint of this project. These guidelines should assist in minimizing impacts to the river or wetland, and should be incorporated into the standard best management practices for these types of construction activities.

The Department also recommends that preconstruction bat surveys be conducted during summer months to determine if bats occur. If bats are determined to occur at bridge sites, work should be scheduled to avoid impacting bats that may roost there (i.e., conduct work in winter months).

Burrowing owl (*Athene cunicularia*) may occur within your project area. Burrowing owls are protected from take by the Migratory Bird Treaty Act and under New Mexico state statute. Before any ground disturbing activities occur, the Department recommends that a preliminary burrowing owl survey be conducted by a qualified biologist using the Department's [burrowing owl survey protocol](#). Should burrowing owls be documented in the project area, please contact the Department or USFWS for further recommendations regarding relocation or avoidance of impacts.



Your project area intersects a Conservation Opportunity Area (COA) as identified in the [SWAP](#) for New Mexico. These areas contain high numbers of SGCN as identified in the SWAP and therefore represent areas where implementing conservation actions, including restoration projects intended to benefit wildlife, has higher potential to benefit a diversity of species. Within COAs, the Department encourages project proponents to consider (during project planning and design) and mitigate (during project implementation) potential adverse effects to non-federally listed SGCN and their habitats. State-listed and federally-listed species are protected from take by the New Mexico WCA and ESA, respectively, and migratory birds are protected from take by the Migratory Bird Treaty Act.

Your project area intersects designated critical habitat for one or more species that are listed under the federal ESA. The Department recommends that you confirm this using the USFWS's Information for Planning and Consultation (IPAC) system (<https://ipac.ecosphere.fws.gov/>) and then reach out to the appropriate species lead(s) with the [New Mexico Ecological Services Office of USFWS](#). The USFWS has authority to designate critical habitat for species listed under the ESA. The Department has no authority to designate critical habitat for species listed under the WCA or ESA.

Your project area intersects an Important Plant Area (IPA) that contains one or more species of plants listed as threatened or endangered by the New Mexico Energy, Minerals and Natural Resources Department (EMNRD) under New Mexico Statutes Annotated (NMSA) 75-6-1 or by the USFWS under the federal ESA. Although IPAs have no legal designation, they have been identified as areas that support either a high diversity of sensitive plant species or contain the last remaining locations of New Mexico's most endangered plants. The Department recommends that you consult with EMNRD's [Endangered Plant Program Coordinator](#) regarding any state-listed plants and the USFWS's [Information for Planning and Consultation \(IPAC\)](#) system for any federally-listed plants and reaching out to the appropriate federal species lead(s) with the [New Mexico Ecological Services Office of USFWS](#). The Department does not have any authority to designate or advise on state- or federally-listed plants.

The proposed project occurs within or near a riparian area. Because riparian areas are important wildlife habitats, the project footprint should avoid removing any riparian vegetation or creating ground disturbance either directly within or affecting the riparian area, unless the project is intended to restore riparian habitat through non-native plant removal and replanting with native species. If your project involves removal of non-native riparian trees or planting of native riparian vegetation, please refer to the Department's habitat handbook guideline for [Restoration and Management of Native and Non-native Trees in Southwestern Riparian Ecosystems](#). The [New Mexico Riparian Habitat Map \(NMRipMap\)](#) may also provide useful information on local riparian habitat composition and structure.

Your project could affect important components of wildlife habitat, including fawning/calving or wintering areas for species such as deer and elk, or general high wildlife movement and activity areas for large mammals. Mitigation measures should focus on high use sites and movement areas based on collar data and expert knowledge of Department and land management agency personnel. Management recommendations within these areas may include the following.

- Restrictions on noise-generating activities during wintering and calving/fawning seasons, specific timing of which may vary throughout the state. These activities would include oil and gas well pad development and operations that expose wildlife to loud noises from drilling, compressors, and pumping stations within 400 feet of the source.
- Modifying fences along high use areas to make them wildlife friendly and facilitate large animal movement.





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**Disclaimers regarding recommendations:**

- The Department provides technical guidance to support the persistence of all protected species of native fish and wildlife, including game and nongame wildlife species. Species listed within this report include those that have been documented to occur within the project area, and others that may not have been documented but are projected to occur within the project vicinity.
- Recommendations are provided by the Department under the authority of § 17-1-5.1 New Mexico Statutes Annotated 1978, to provide "communication and consultation with federal and other state agencies, local governments and communities, private organizations and affected interests responsible for habitat, wilderness, recreation, water quality and environmental protection to ensure comprehensive conservation services for hunters, anglers and nonconsumptive wildlife users".
- The Department has no authority for management of plants or Important Plant Areas. The [New Mexico Endangered Plant Program](#), under the Energy, Minerals, and Natural Resources Department's Forestry Division, identifies and develops conservation measures necessary to ensure the survival of plant species within New Mexico. Plant status information is provided within this report as a courtesy to users. Recommendations provided within the ERT may not be sufficient to preclude impacts to rare or sensitive plants, unless conservation measures are identified in coordination with the Endangered Plant Program.
- Additional coordination and/or consultation may also be necessary under the federal ESA or National Environmental Policy Act (NEPA). Further site-specific mitigation recommendations may be proposed during ESA consultation and/or NEPA analyses or through coordination with affected federal agencies.