

To: El Paso County Planning and Community Development  
From: Allison Engineering, Jim Allison  
July 12, 2022

## INTRODUCTION

At the request of the property owners, Allison Engineering was asked to prepare this natural features report for the proposed Ohana subdivision. The location is delineated on two sides with black lines in 1 and otherwise by Jones and Murr Roads. On other diagrams the location is apparent by patterns of land use. In the course of the last 2 years this office has visited the project multiple times making observations of the natural features. The intent here is to collate information on the existing site such as any lakes, streams, significant topological features, and wildlife that might be impacted by the proposed subdivision. If mitigation is advised, to that end will this report will provide direction.

## PROJECT SITE DESCRIPTION

This site is a 20-acre parcel situated at the southeast corner of the Jones Road and Murr Road intersection. The site is proposed to be subdivided into four 5-acre single-family residential lots. Each lot is to be accessible by a single private driveway, one of which, Lot 1 already is developed and has an existing driveway. The site is covered with prairie grass and does not include a single tree by native origin.

The topography is such that it rises from the east bounded on that side by a tributary in the Haegler drainage basin and peaks parallel to Murr Road which bounds the property on the west. In the course of 30-years of observation, no stream, pond or wetland has ever been observed.

## WETLANDS ASSESSMENT

As part of this study, Allison Engineering reviewed National Wetlands Inventory (NI) maps, Federal Emergency Management Agency(FEMA) maps, and Natural Resources Conservation Service (NRCS) soil survey maps to determine if on those documents any indication of wetlands or streams were noted within the project site. No jurisdictional or navigable waters as identified, and as protected under Section 404 of the Clean Water Act were found. We do recommend consultation with the U.S. Army Corps of Engineers for a jurisdictional determination prior to work being conducted within the project area as a detailed wetland delineation was not performed as part of this study.

Review of the NWI maps did not find a Freshwater Emergent Wetland.

The project is located within FEMA FIRM panel 08041C0590G in El Paso County, Colorado. Upon review of that panel we determined that all but the northeast corner of what is to be known as Lot 1 was in Zone X. The small area noted is a designated flood zone, Zone A, and contains no developemnt and none is planed for that corner.

The NRCS Soil Survey Map shows there are two predominant soil types present.

## THREATENED, ENDANGERED, AND CANDIDATE SPECIES

Allison Engineering reviewed documents pertaining to the Endangered Species Act (ESA), as well as documents for state specific threatened and endangered species possibly to be impacted by the proposed development. Figure 1 a list of federally threatened and endangered species conceivably located close to the project site. The site is located within the area where the Preble's Meadow Jumping Mouse can be be found. Allison Engineering did not see any critical habitat during the site visit. There fore , the project is expected ot have no effect on federally or state specific threatened and endangere species.

## SUMMARY AND RECOMMENDATION

Allison engineering found no indication or evidence of major lakes, streams, topgraphical features, and wildlife habitats that would be impacted by the proposed subdivision. The proposed subdivision will have no adverse impacts on jurisdictional waters or federally and state threatened and endangered species.

FIGURES

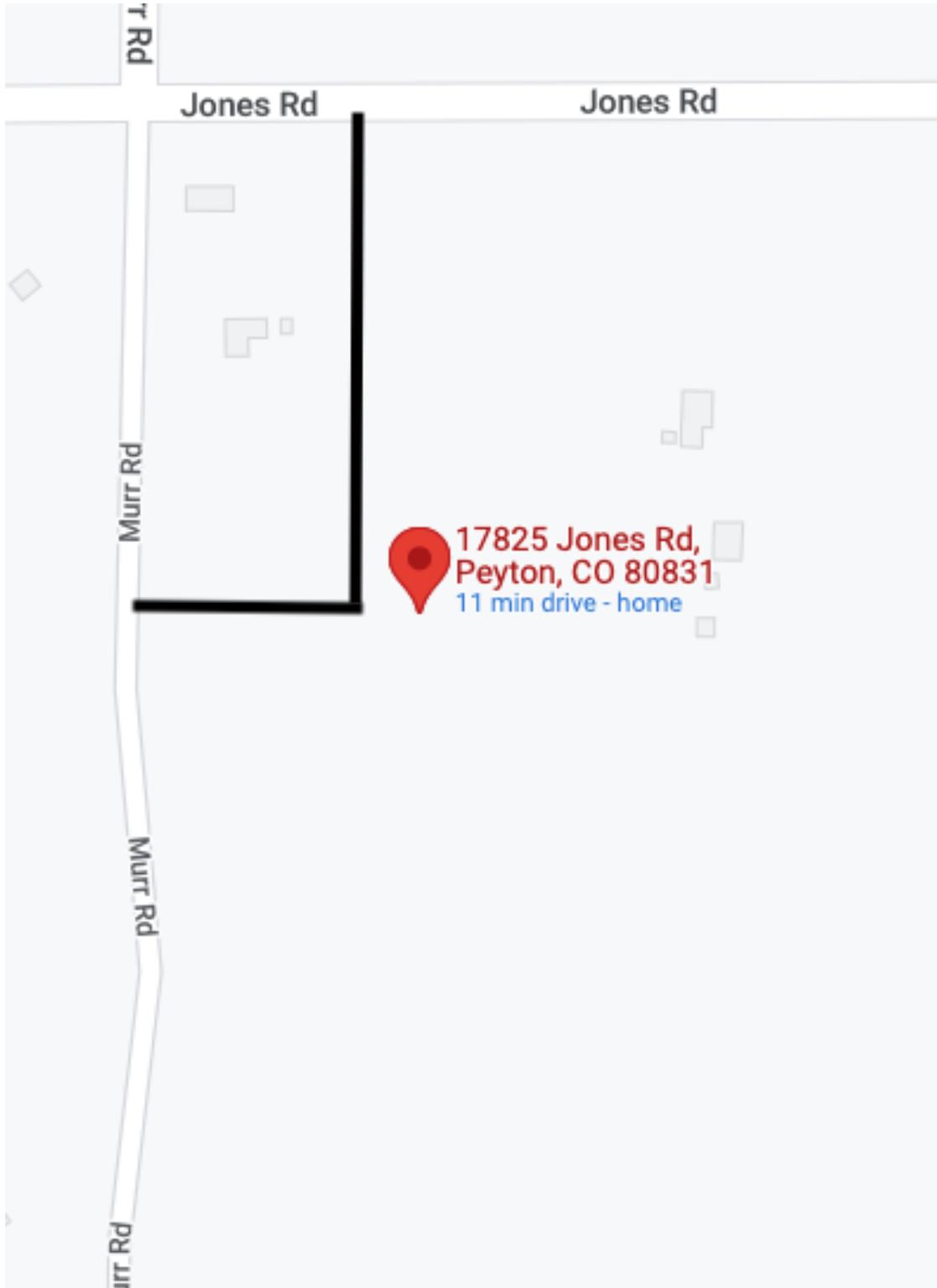


Figure 1: Project Site Location. On other maps of this report delineation of the subject property is apparent by patterns of land use,

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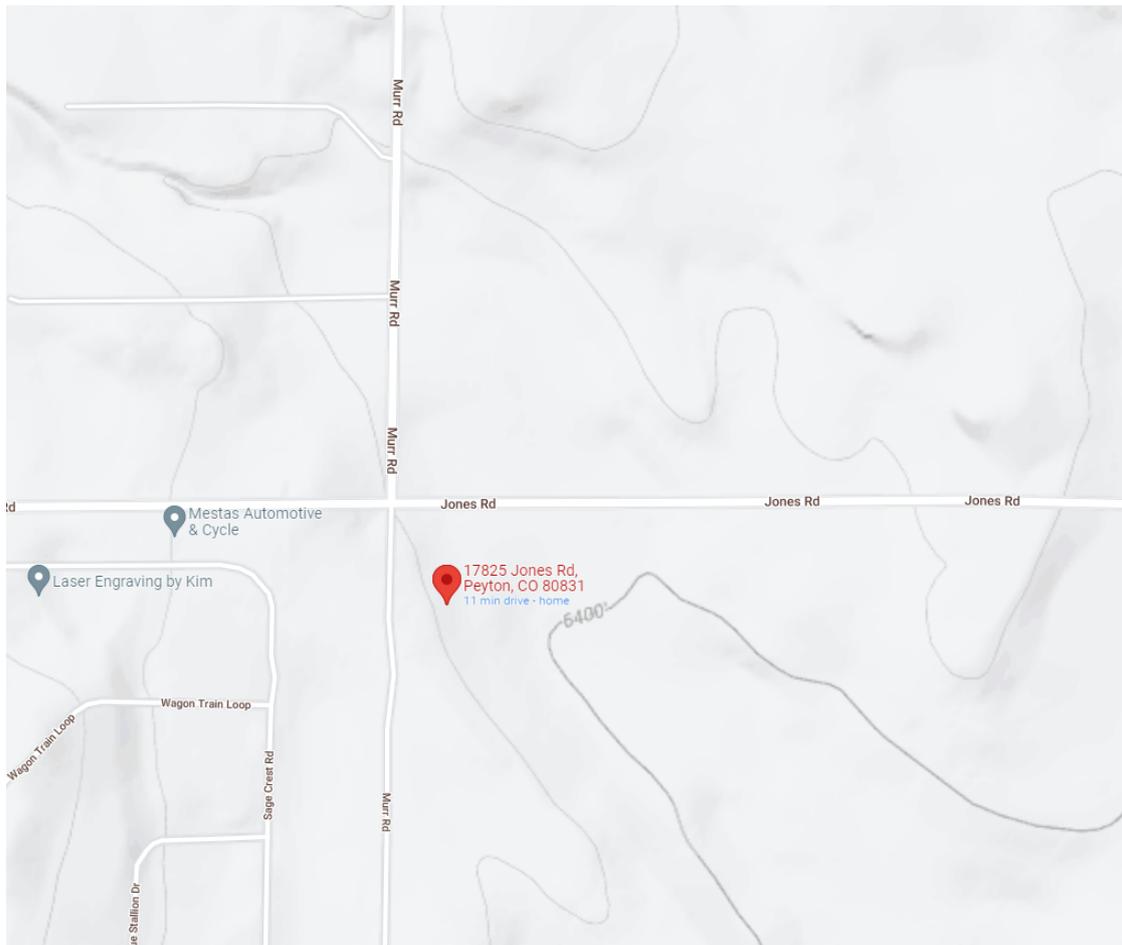


Figure 2: Topographic Map.



Figure 3: National Wetlands Inventory Map.

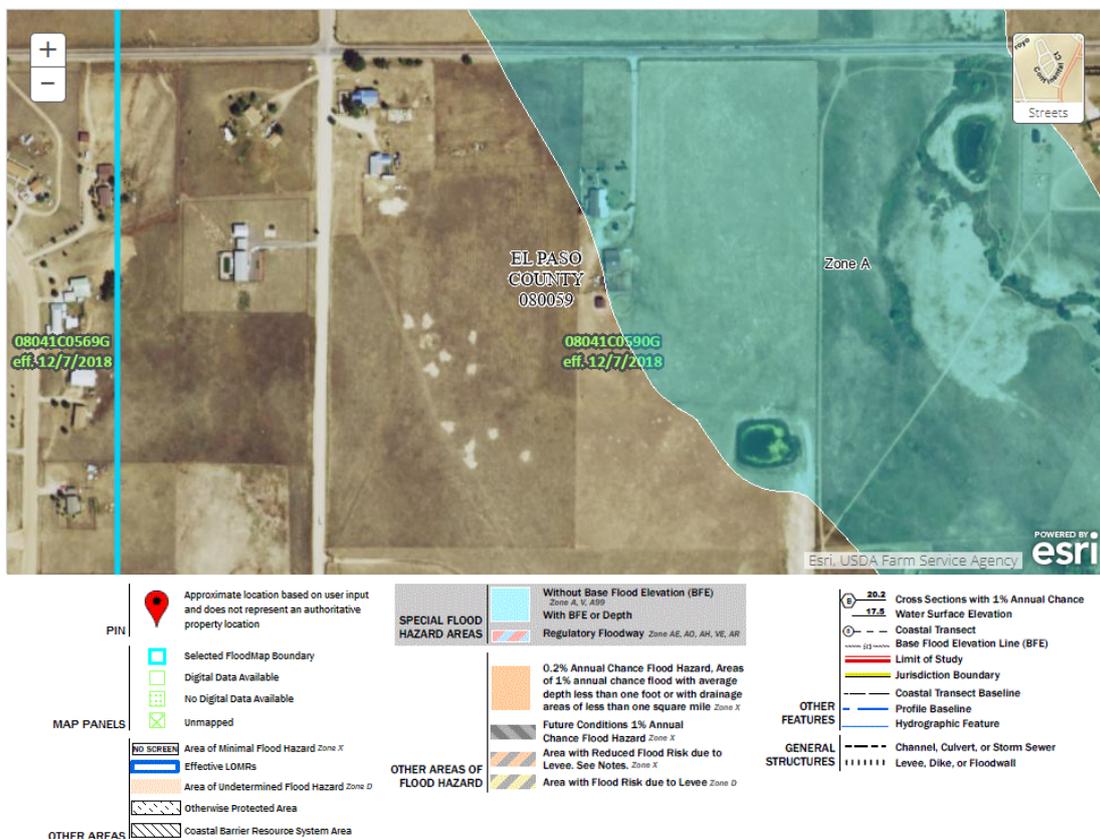


Figure 4: FEMA FIRM Map of Project Site.



Figure 5: Soil Survey Map Showing Two Soil Types.

Table 1: Federally Designated Threatened or Endangered Species in El Paso County, Colorado

Group	Common Name	Scientific Name	Population	Status
Birds	Mexican spotted owl	<i>Strix occidentalis lucida</i>	Wherever found	Threatened
Birds	Gunnison Sage-Grouse	<i>Centrocercus minimus</i>	Wherever found	Threatened
Birds	Piping Plover	<i>Charadrius melodus circumcinctus</i>	Wherever found	Endangered
Birds	Southwestern Willow Flycatcher	<i>Empidonax traillii extimus</i>	Wherever found	Endangered
Birds	Western Yellow-Billed Cuckoo	<i>Coccyzus americanus</i>	Wherever found	Threatened
Birds	Whooping Crane	<i>Grus americana</i>	Wherever found	Endangered
Fishes	Bonytail	<i>Gila elegans</i>	Wherever found	Endangered
Fishes	Colorado Pikeminnow	<i>Ptychocheilus lucius</i>	Wherever found	Endangered
Fishes	Humpback Chub	<i>Gila cypha</i>	Wherever found	Endangered
Fishes	Razorback Sucker	<i>Xyrauchen texanus</i>	Wherever found	Endangered
Fishes	Greenback Cutthroat trout	<i>Oncorhynchus clarkii stomias</i>	Wherever found	Threatened
Flowering Plants	Ute ladies' tresses	<i>Spiranthes diluvialis</i>	Wherever found	Threatened
Flowering Plants	Western prairie fringed Orchid	<i>Platanthera praeclara</i>	Wherever found	Threatened
Insects	Pawnee montane skipper	<i>Hesperia leonardus montana</i>	Wherever found	Threatened
Mammals	Preble's meadow jumping mouse	<i>Zapus hudsonius preblei</i>	Wherever found	Threatened
Mammals	Black-Footed Ferret	<i>Mustela nigripes</i>	Wherever found	Endangered
Mammals	Gray Wolf	<i>Canis lupus</i>	Wherever found	Endangered
Mammals	Grizzly Bear	<i>Ursus arctos</i>	Wherever found	Threatened
Mammals	Lynx	<i>Lynx canadensis</i>	Wherever found	Threatened

Table 2: State Designated Threatened or Endangered Species in El Paso County, Colorado

Group	Common Name	Scientific Name	Status
Birds	Burrowing Owl	<i>Athene cucularia</i>	State Threatened
Birds	Least Tern	<i>Sterna antillarum</i>	State Endangered
Birds	Lesser Prairie-Chicken	<i>Tympanuchus pallidicinctus</i>	State Threatened
Birds	Mexican Spotted Owl	<i>Strix occidentalis lucida</i>	State Threatened
Birds	Plains Sharp-Tailed Grouse	<i>Tympanuchus phasianellus jamesii</i>	State Endangered
Birds	Piping Plover	<i>Charadrius melodus circumcinctus</i>	State Threatened
Birds	Southwestern Willow Flycatcher	<i>Empidonax traillii eximius</i>	State Endangered
Birds	Whooping Crane	<i>Grus americana</i>	State Endangered
Fish	Arkansas Darter	<i>Etheostoma cragini</i>	State Threatened
Fish	Bonytail	<i>Gila elegans</i>	State Endangered
Fish	Brassy Minnow	<i>Hybognathus hankinsoni</i>	State Threatened
Fish	Colorado Pikeminnow	<i>Ptychocheilus lucius</i>	State Threatened
Fish	Common Shiner	<i>Luxilus cornutus</i>	State Threatened
Fish	Greenback Cutthroat Trout	<i>Oncorhynchus clarki stomias</i>	State Threatened
Fish	Humpback Chub	<i>Gila cypha</i>	State Threatened
Fish	Lake Chub	<i>Catostomus plumbicus</i>	State Endangered
Fish	Northern Redbelly	<i>Dace Phoxinus eos</i>	State Endangered
Fish	Plains Minnow	<i>Hybognathus placitus</i>	State Endangered
Fish	Rio Grande Sucker	<i>Catostomus plebeius</i>	State Endangered
Fish	Razorback Sucker	<i>Xyrauchen texanus</i>	State Endangered
Fish	Southern Redbelly	<i>Dace Phoxinus erythrogaster</i>	State Endangered
Fish	Suckermouth	<i>Minnor Phenacobius mirabilis</i>	State Endangered
Mammals	Black-Footed Ferret	<i>Mustela nigripes</i>	State Endangered
Mammals	Gray Wolf	<i>Canis lupus</i>	State Endangered
Mammals	Kit Fox	<i>Vulpes macrotis</i>	State Endangered
Mammals	Lynx	<i>Lynx canadensis</i>	State Endangered
Mammals	Preble's Meadow Jumping Mouse	<i>Zapus hudsonius preblei</i>	State Threatened
Mammals	River Otter	<i>Lontra canadensis</i>	State Threatened
Mammals	Wolverine	<i>Gulo gulo</i>	State Endangered

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PHOTOS  
Taken on March 20, 2022



Figure 6: Views from within study area looking north across the area of concern for possible endangered species.



Figure 7: Views from within study area looking south across the area of concern for possible endangered species.



Figure 8: Views from within study area looking east across the area of concern for possible endangered species.