

Habitat Survey at the Trinidad Road, Lupin Road, Antelope Road, and Mojave Drive Site in Adelanto, California

APN: 3129-491-08

2.5-Acre Property, Total Area Surveyed: 2.5-Acres

**Project Site Location: Between Trinidad Road, Lupin Road, Antelope Road, and
Mojave Drive, Adelanto, San Bernardino County
USGS Adelanto 7.5' quadrangle map in
Township 21 south, Range 56 west**

Prepared for:

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Principal Investigator, Surveys Conducted and Report Prepared by:

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Survey Conducted On:

April 8, 2023

Report Date:

April 27, 2023

INFORMATION SUMMARY

- A. Report Date:** Prepared: April 27, 2023
- B. Report Title:** General Habitat Survey at the
Trinidad Road, Lupin Road, Antelope Road, and Mojave Drive, Adelanto,
San Bernardino County
- C. Project Location:** Project Site Location: Between Trinidad Road, Lupin Road, Antelope Road,
and Mojave Drive
Adelanto, San Bernardino County
USGS Adelanto 7.5' quadrangle map (2018) in
Township 21 south, Range 56 west.
- D. PP & APN #:** APN: 3129-491-08
- E. Applicant:** Jim Harley
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Mobile: (909) 238-1668
E-Mail: afs@lms-transport.com
- F. Principal Invest. & Surveyor:** Dale A. Powell
Powell Environmental Consultants
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Mobile: (951) 440-4235
E-Mail: dajrpowell@msn.com
- G. Summary:** A general biological survey was conducted on an approximately 2.5-acre site in Adelanto, on April 8, 2023. There were no rare or sensitive plants or animals observed upon the site. No bird nests were observed. There were no Burrowing Owl (*Athene cunicularia*) nesting resources available upon the site or any evidence of burrowing owls ever having been present upon the site. Burrowing Owl surveys in the appropriate season are not recommended. There were no California Desert Tortoises (*Gopherus agassizii*) observed upon the site, nor were there any tortoise burrows or sign observed upon the site. There were no Joshua Trees (*Yucca brevifolia*) observed growing upon the site, even though there were some observed in the vicinity.
- H. Preparer:** Dale A. Powell
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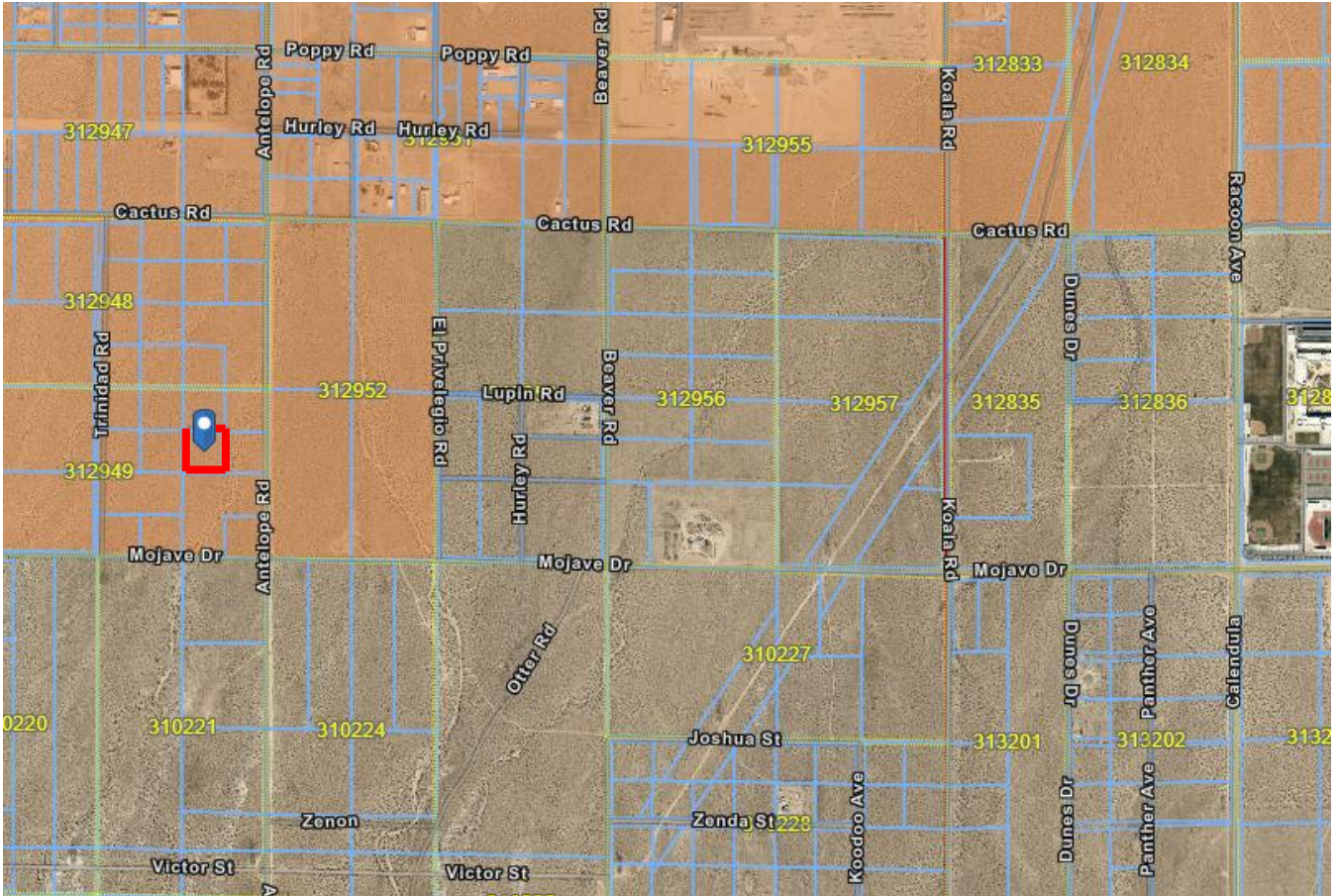
GENERAL SURVEY REPORT REQUIREMENTS:

- A. Site Photographs: See Photographs 1-12. Taken: April 8, 2023
- B. APNs: APN: 3129-491-08
- C. Case Number: -
- D. Surveyor Name: Dale A. Powell.
- E. Survey Date: April 8, 2023.
- F. Topography/Hydrology: The site was relatively level. It was approximately 3,093 feet above sea level. No riparian/river areas, drainages or vernal pools existed on the site.
- G. Soil analysis: 100.0 percent of the site consisted of Helendale-Bryman Loamy Sands, 2 to 5 percent slopes (133). (According to the Web Soil Survey (USDA, NRCS)). **USE AND VEGETATION:** Use for irrigated crops such as alfalfa, small grains and pasture. They are also used for home sites and recreation. Vegetation is mostly creosote bush, bursage, Morman-tea, Joshua tree, and annual forbs and grasses.
- H. Species Observed list: Common Raven (See Plant Table)
- I. Current Vegetation Description: Most of the area of the site was covered with native vegetation, typical of the area (See Plant Table). (See: Photographs and Biological Resources Map).
- J. Oak Trees: None
- K. Site Plan: -.
- L. Jurisdictional assessment: Not applicable.
- M. Assessment for any riparian/river areas and vernal pools: There were no vernal pools, drainages or riparian/river areas present upon the site.
- N. Discussion of habitat: The principal vegetative type upon the site was native vegetation with a number of invasives present which are typically found on loamy and sandy soils of the area. Much of the site consisted of open soil. The land surrounding the site was similar in soil and plant composition. There were no Burrowing Owl (*Athene cunicularia*) nesting resources available upon the site or any evidence of burrowing owls ever having been present upon the site. *Burrowing Owl surveys in the appropriate season are not recommended.* There were no California Desert Tortoises (*Gopherus agassizii*) observed upon the site, nor were there any tortoise burrows or sign observed upon the site. There were no Joshua Trees (*Yucca brevifolia*) observed growing upon the site. There were Joshua trees on adjacent land plots. There were no rare or sensitive plants or animals observed upon the site. No bird nests were observed.

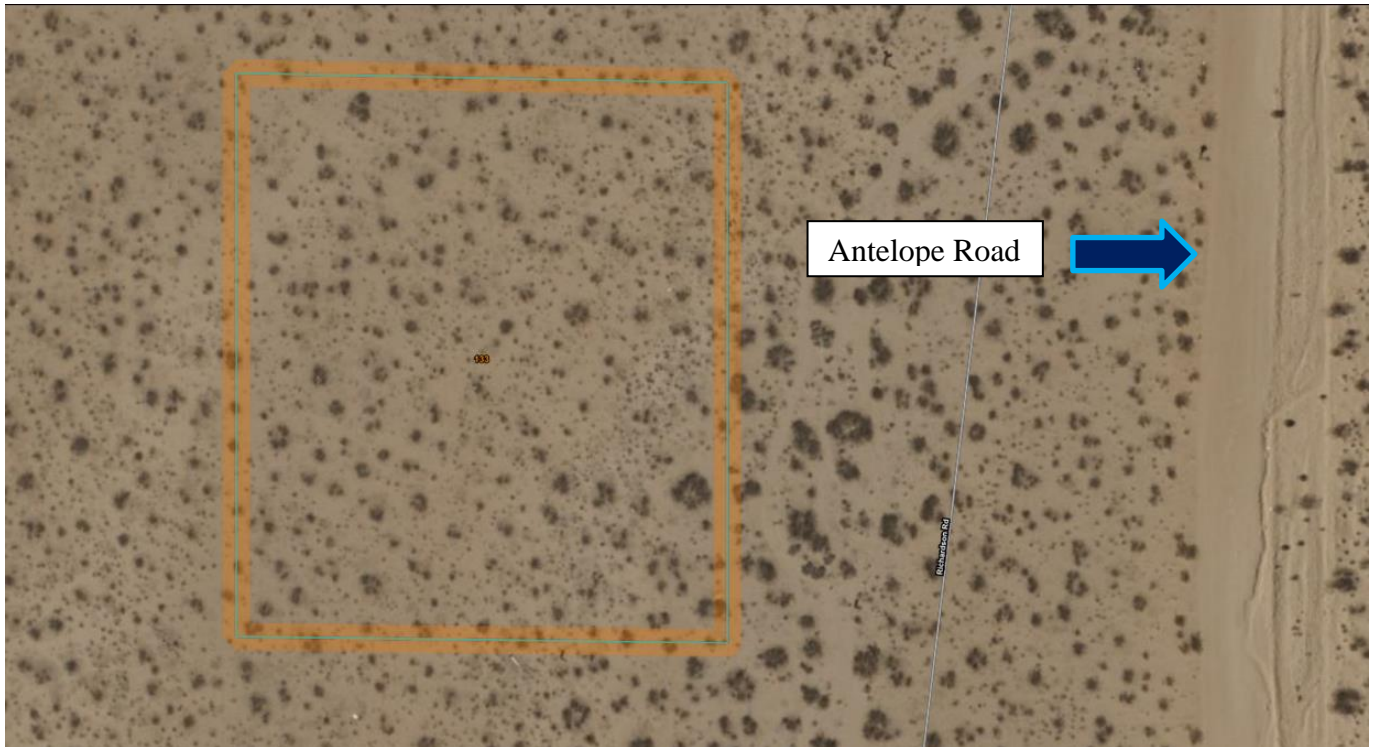
MAP 1. General Location of the Site.



MAP 2. Location of the Site.



MAP OF SOILS



San Bernardino County, California, Mojave River Area (CA671)			
San Bernardino County, California, Mojave River Area (CA671)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
133	HELENDALE-BRYMAN LOAMY SANDS, 2 TO 5 PERCENT SLOPES*	2.2	100.0%
Totals for Area of Interest		2.2	100.0%

BIOLOGICAL RESOURCES MAP

an



LEGEND



Native Vegetation

Firm Name: Powell Environmental Consultants
Report Author: Dale A. Powell
Date that the survey was Performed: April 8, 2023
APN: 3129-491-08

Picture 1. Overview of the site facing south, from the northeastern corner.



Picture 2. Overview of the site facing southwest, from the northeastern corner.



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Photographs Taken: April 8, 2023

Picture 3. Overview of the site facing west, from the northeastern corner.



Picture 4. Overview of the site facing east, from the northwestern corner.



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Picture 5. Overview of the site facing southeast, from the northwestern corner.



Picture 6. Overview of the site facing south, from the northwestern corner.



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Picture 7. Overview of the site facing north, from the southwestern corner.



Picture 8. Overview of the site facing northeast, from the southwestern corner.



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Picture 9. Overview of the site facing east, from the southwestern corner.



Picture 10. Overview of the site facing west, from the southeastern corner.



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Picture 11. Overview of the site facing northwest, from the southeastern corner.



Picture 12. Overview of the site facing north, from the southeastern corner.



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PLANT SPECIES LIST

FAMILY	SPECIES	COMMON NAME
Asteraceae	<i>Ambrosia dumosa</i>	White Bursage
	<i>Lasthenia californica</i>	California Goldfields
Boraginaceae	<i>Amsinckia tessellata</i>	Fiddleneck
Brassicaceae	<i>Descurainia pinnatas</i>	Tansy Mustard
	<i>Sisymbrium irio</i>	London Rocket
Ephedraceae	<i>Ephedra viridis</i>	Green Ephedra
Geraniaceae	<i>Erodium cicutarium</i>	Stork's bill
Onagraceae	<i>Camissoniopsis bistorta</i>	California Suncup
Poaceae	<i>Schismus sp.</i>	Mediterranean grass
	Various grasses	grass
Polemoniaceae	<i>Gilia sinuata</i>	-
Themidaceae	<i>Dichelostemma capitatum</i>	Blue Dicks
Zygophyllaceae	<i>Larrea tridentata</i>	Creosote Bush

GENERAL DISCUSSION

A general biological survey was conducted upon a site in Adelanto. It is approximately 2.5-acres in size and is relatively level. The site is approximately 3,093 feet above sea level.

A site evaluation was made on April 8, 2023 from 16:45 to 17:23 PM by Dale Powell. The temperature varied from 72°F to 73°F. The sky was clear and the wind speed varied from 3-5 mph.

The principal vegetative type upon the site was native vegetation with a number of invasives present which are typically found on loamy and sandy soils of the area. Much of the site consisted of open soil. The land surrounding the site was similar in soil and plant composition.

100.0 percent of the site consisted of Helendale-Bryman Loamy Sands, 2 to 5 percent slopes (133).

No riparian/river areas, drainages or vernal pools were observed on the site.

There were no Burrowing Owl (*Athene cunicularia*) nesting sites available upon the site. This was due because the resources that the owls require to build such nests was lacking (debris piles, fallen trees or piles of branches, drainage pipes, or California ground squirrel holes, etc.). However, Burrowing Owls could utilize the site to forage upon if they were nesting in adjacent areas. *Burrowing Owl surveys in the appropriate season are not recommended.* There were no California Desert Tortoises (*Gopherus agassizii*) observed upon the site, nor were there any tortoise burrows or sign observed upon the site. There were no Joshua Trees (*Yucca brevifolia*) observed growing upon the site. There were Joshua trees on adjacent land plots. There were no rare or sensitive plants or animals observed upon the site. No bird nests were observed.

BIBLIOGRAPHY

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CERTIFICATION: I hereby certify that the statements furnished above and in the attached exhibits present data and information required for this biological evaluation, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Dale A. Powell

April 8, 2023

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