

Habitat Survey at the 2410 Foothill Blvd., 2470 Foothill Blvd., 2506 Foothill Blvd., and 2512 Foothill Blvd. sites in San Bernardino, California

**APNs: 0142-041-09, 0142-041-10, 0142-041-11, 0142-041-17, 0142-041-18,
0142-041-20, 0142-041-21, 0142-041-32, 0142-041-34, 0142-041-34, 0142-041-44**

14.0-Acre Property, Total Area Surveyed: 14.0-Acres

**Project Site Location: 2410 Foothill Blvd, 2470 Foothill Blvd, 2506 Foothill Blvd.,
and 2512 Foothill Blvd., San Bernardino, San Bernardino County
USGS San Bernardino South 7.5' quadrangle map in
Township 6 south, Range 4 west**

Prepared for:

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Principal Investigator, Surveys Conducted and Report Prepared by:

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Survey Conducted On:

May 17, 2022

Report Date:

June 9, 2022

INFORMATION SUMMARY

- A. Report Date:** Prepared: June 9, 2022
- B. Report Title:** General Habitat Survey at the
2410 Foothill Blvd, 2470 Foothill Blvd., 2506 Foothill Blvd., and 2512
Foothill Blvd., San Bernardino, San Bernardino County
- C. Project Location:** Project Site Location: 2410 Foothill Blvd, 2470 Foothill Blvd., 2506
Foothill Blvd., and 2512 Foothill Blvd.
San Bernardino, San Bernardino County
USGS San Bernardino South 7.5' quadrangle map (1967) in
Township 1 south, Range 4 west.
- D. PP & APN #:** APNs: 0142-041-09, 0142-041-10, 0142-041-11, 0142-041-17,
0142-041-18, 0142-041-20, 0142-041-21, 0142-041-32, 0142-041-34,
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- E. Applicant:** Bobby Nassir
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- F. Principal Invest. & Surveyor:** Dale A. Powell
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- G. Summary:** A general biological survey was conducted on an approximately 14.0-acre site in San Bernardino, on May 17, 2022. There were no rare or sensitive plants or animals observed upon the site. No bird nests were observed. There were no Burrowing Owl nesting resources available upon the site. Burrowing Owl surveys in the appropriate season are not recommended (See discussion). There is approximately 4.0 acres of Delhi Sands Soil located upon the site. The presence Delhi Sands soil may indicate that the endangered Delhi Sands Flower-loving Fly may utilize the site. If grading has not begun by July 1 focused surveys for the Delhi Sands Flower-loving Fly will be conducted. The site was surveyed for the endangered (USFWS) Santa Ana River woolly star (*Eriastrum densifolium* ssp. *sanctorum*) and the endangered (USFWS) Slender-horned Spineflower (*Dodecahema leptoceras*). Neither of the plants were observed

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GENERAL SURVEY REPORT REQUIREMENTS:

- A.** Site Photographs: See Photographs 1-14. Taken: May 17, 2022
- B.** APNs: APNs: 0142-041-09, 0142-041-10, 0142-041-11, 0142-041-17, 0142-041-18, 0142-041-20, 0142-041-21, 0142-041-32, 0142-041-34, 0142-041-34, 0142-041-44
- C.** Case Number: -
- D.** Surveyor Name: Dale A. Powell.
- E.** Survey Date: May 17, 2022.
- F.** Topography/Hydrology: The site was relatively level. It was approximately 1,200 feet above sea level. No riparian/river areas, drainages or vernal pools existed on the site.
- G.** Soil analysis: Approximately 28.6 percent of the site consisted of Delhi fine sand (Db), 14.2 percent of the site consists of Hanford sandy loam, 0 to 2 percent slopes (Hba), and 57.2 percent Tujunga loamy sand, 0 to 5 percent slopes (TuB), (According to the Web Soil Survey (USDA, NRCS)). The Delhi series consists of very deep, somewhat excessively drained soils. They formed in wind modified material weathered from granitic rock sources. Delhi soils are on floodplains, alluvial fans and terraces. Slopes are 0 to 15 percent. Used for growing grapes, peaches, truck crops, alfalfa and for home sites. Principal native plants are buckwheat and a few shrubs and trees. Typical vegetation is annual grasses and forbs. The Hanford series consists of very deep, well drained soils that formed in moderately coarse textured alluvium dominantly from granite. Hanford soils are on stream bottoms, floodplains and alluvial fans and have slopes of 0 to 15 percent. Hanford soils are used for growing a wide range of fruits, vegetables, and general farm crops. They are also used for urban development and dairies. Vegetation in uncultivated areas is mainly annual grasses and associated herbaceous plants. The Tujunga series consists of very deep, somewhat excessively drained soils that formed in alluvium from granitic sources. Tujunga soils are on alluvial fans and floodplains, including urban areas. Slopes range from 0 to 12 percent. This soil is used for grazing, citrus, grapes, other fruits, and urban residential or commercial development. Uncultivated areas have a cover of shrubs, annual grasses and forbs. In urban areas ornamentals and turf-grass are common.
- H.** Species Observed list: Eurasian collared dove, rock dove, black mourning dove, house sparrow, house finch, northern mockingbird, red-tailed hawk. (See Plant Table)
- I.** Current Vegetation Description: Most of the area of the site was covered with a combination of ruderal vegetation and 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 ruderal mixed with native vegetation, typically found on loamy and sandy soils of the area. Almost all of the north, central, and south-central area of the site consisted of open soil. Southwest of the site were houses and a commercial development, with primarily ruderal and ornamental vegetation growing upon it. Directly east of the development, in the central-southwest area of the site, were old concrete foundations. Further east (across a concrete block wall – See MAP 2), across the open southern area of the site, were several houses and beyond that a continuation of the open area of the site. The site was bordered by residential development directly to the north and to the south (across Foothill Blvd.). To the west (northern portion), across North Dallas Avenue, and east, across North Macy Street, were fields with vegetation similar to the vegetation found upon the site. Approximately 2,300 feet east of the site was the south end of Lytle Creek wash and a flood control basin. (See Maps, Photographs & Discussion).

There were no rare or sensitive plants or animals observed upon the site. No bird nests were observed.

There were no Burrowing Owl nesting resources available upon the site. Burrowing Owl surveys in the appropriate season are not recommended.

The site was surveyed for the Santa Ana River woolly star (*Eriastrum densifolium*) and Slender-horned Spineflower (*Dodecahema leptoceras*) on May 17, 2022. Neither plant was observed.

There is approximately 4.0 acres of Delhi Sands Soil upon the site that can be utilized by the Delhi Sands Flower-loving Fly. The presence Delhi Sands soil may indicate that the endangered fly may utilize the site to reproduce. The remaining, approximately 0.7 acres, covered by open Delhi Sands Soil is unsuitable for use by the fly. I recommended to Amanda Swaller, of the United States Fish and Wildlife Office (Palm Springs office), that no focused fly surveys would be needed to be conducted to determine the presence or absence of the Delhi Sands Flower-loving Fly in that area the site. She concurred.

MAP 1. General Location of the Site.



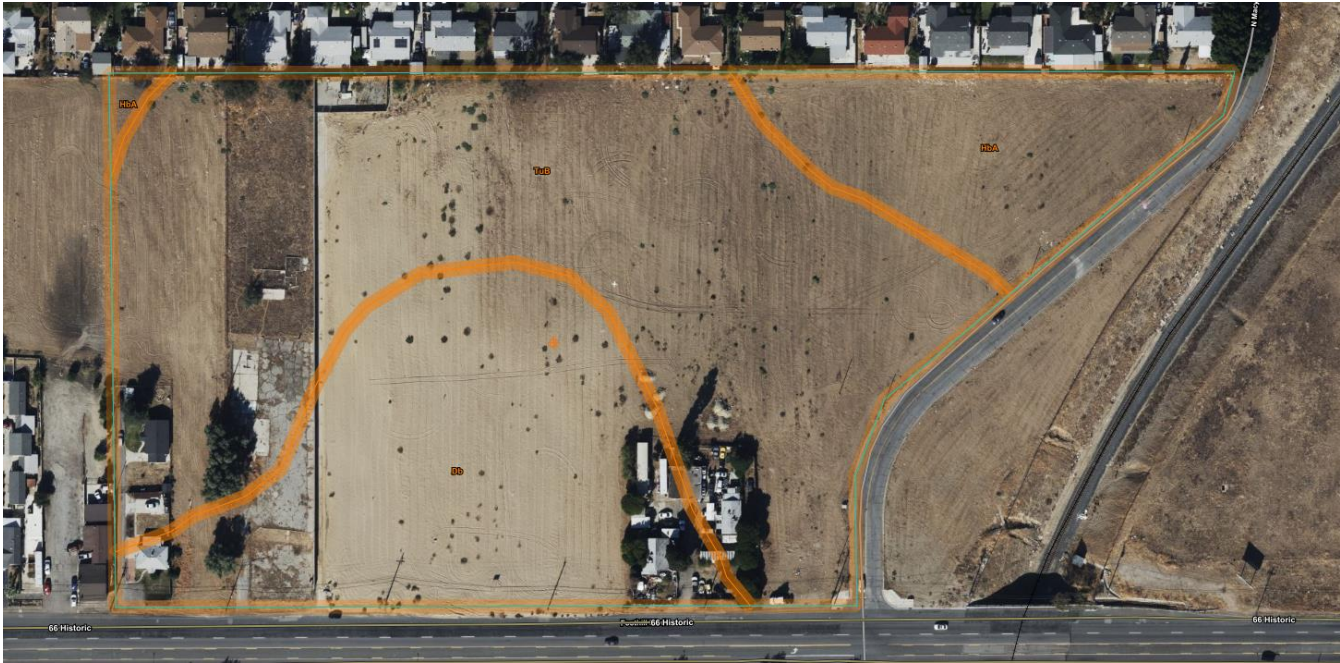
MAP 2. Location of the Site.



— Concrete Block Wall

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MAP OF SOILS

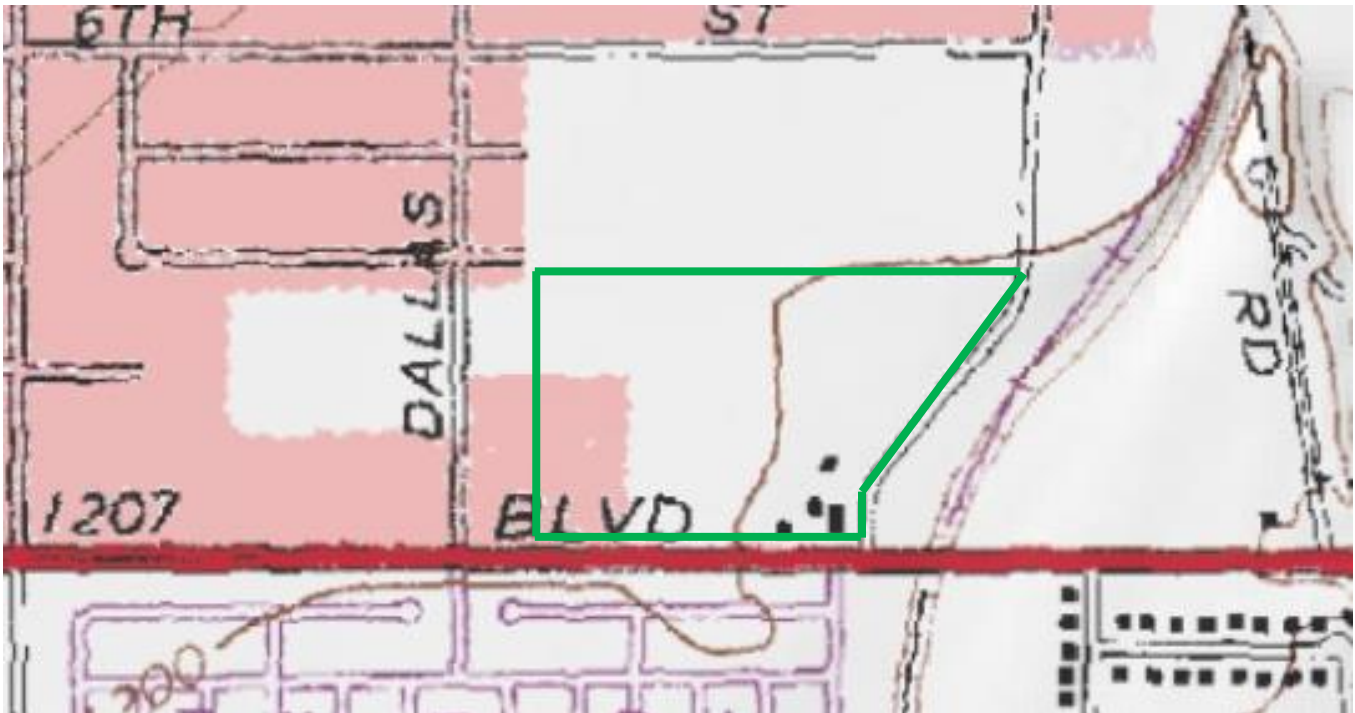


San Bernardino County Southwestern Part, California (CA677)			
San Bernardino County Southwestern Part, California (CA677)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Db	Delhi fine sand	4.1	28.6%
HbA	Hanford sandy loam, 0 to 2 percent slopes	2.0	14.2%
TuB	Tujunga loamy sand, 0 to 5 percent slopes	8.2	57.2%
Totals for Area of Interest		14.4	100.0%

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BIOLOGICAL RESOURCES MAP

an



LEGEND

-  Mixed Ruderal and Native Vegetation

Firm Name: Powell Environmental Consultants

Report Author: Dale A. Powell

Date that the survey was Performed: May 17, 2022

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Picture 1. Overview of the site facing west, from the southeastern corner.



Picture 2. Overview of the site facing northwest, from the southeastern corner.



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Picture 3. Overview of the site facing north, from the southeastern corner.



Picture 4. Overview of the site facing west, from the central area of the site.



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Picture 5. Overview of the site facing northwest, from the central area of the site.



Picture 6. Overview of the site facing north, from the central area of the site.



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Picture 7. Overview of the site facing east, from the northcentral (eastern) area of the site.



Picture 8. Overview of the site facing southeast, from the northcentral (eastern) area of the site.



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Picture 9. Overview of the site facing south, from the northcentral (eastern) area of the site.



Picture 10. Overview of the site facing south, from the northcentral (western) area of the site.



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Picture 11. Overview of the site facing southwest, from the northcentral (western) area of the site.



Picture 12. Overview of the site facing southeast, from the northwestern corner.



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Picture 13. Overview of the site facing south, from the northwestern corner.



Picture 14. Overview of the site facing north, from the southwestern corner.



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Picture 15. Overview of the site facing northeast, from the southwestern corner.



Picture 16. Overview of the site facing east, from the southwestern corner.



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PLANT SPECIES LIST

FAMILY	SPECIES	COMMON NAME
Amaranthaceae	<i>Chenopodium mualbum</i>	Lambsquarter
Asteraceae	<i>Ambrosia acanthicarpa</i>	Annual bur-sage
	<i>Cotula sp.</i>	Brass Buttons
	<i>Avena barbata</i>	Slender wild oat
	<i>Helianthus annuus</i>	Common bunflower
	<i>Heterotheca grandiflora</i>	Telegraph weed
	<i>Lactuca serriola</i>	Prickly lettuce
	<i>Sonchus oleraceus</i>	Common sow-thistle
Brassicaceae	<i>Hirschfeldia incana</i>	Shortpod mustard
Chenopodiaceae	<i>Salsola tragus</i>	Russian thistle
Euphorbiaceae	<i>Croton californicus</i>	California croton
	<i>Croton sp.</i>	Croton
	<i>Ricinus communis</i>	Castor bean
Geraniaceae	<i>Erodium cicutarium</i>	Stork's bill
Liliaceae	<i>Agave sp.</i>	Agave
Malvaceae	<i>Malva parviflora</i>	Cheeseweed
Moringaceae	<i>Moringa oleifera</i>	Moringa
Myrtaceae	<i>Eucalyptus sp.</i>	Eucalyptus
	<i>Melaleuca viminalis</i>	Weeping bottlebrush
Poaceae	<i>Avena fatua</i>	Wild oat
	<i>Bromus diandrus</i>	Ripgut brome
	<i>Conyza sp.</i>	Horseweed
	<i>Cynodon dactylon</i>	Bermuda grass
	<i>Schismus sp.</i>	Mediterranean grass
	<i>Triticum aestivum</i>	Wheat
	Various grasses (primarily dried <i>Bromus spp.</i>)	grass
Polemoniaceae	<i>Gilia capitata</i>	Blue field gilia
Solanaceae	<i>Datura wrightii</i>	Sacred datura
	<i>Nicotiana glauca</i>	Tree tobacco
Tamaricaceae	<i>Tamarix sp.</i>	Tamarisk
Zygophyllaceae	<i>Tribulus terrestris</i>	Puncture-vine
Ornamentals		

GENERAL DISCUSSION

The site is located within the city of San Bernardino. It is approximately 14.0-acres in size and is relatively level. The site is approximately 1,200 feet above sea level.

A site evaluation was made on May 17, 2020 from 12:00 to 2:00 PM by Dale Powell. The temperature varied from 68°F to 81°F. The sky was clear and the wind speed varied from 4-8 mph.

The principal vegetative type upon the site was ruderal mixed with native vegetation, typically found on loamy and sandy soils of the area. Almost all of the north, central, and south-central area of the site consisted of open soil. Southwest of the site were houses and a commercial development, with primarily ruderal and ornamental vegetation growing upon it. Directly east, in the central-southwest area of the site, were old concrete foundations. Further east, across the open southern area of the site, were several houses and beyond that a continuation of the site. The site was bordered by residential development directly to the north and south (across Foothill Blvd.). To the west (northern portion), across North Dallas Avenue, and east, across North Macy Street, were fields with vegetation similar to the vegetation found upon the site. According to old topographic maps at least a portion of the site was used for agriculture at one time. Approximately 2,300 feet east of the site was the south end of Lytle Creek wash and a flood control basin.

Approximately 28.6 percent of the site consisted of Delhi fine sand (Db), 14.2 percent of the site consists of Hanford sandy loam, 0 to 2 percent slopes (Hba), and 57.2 percent Tujunga loamy sand, 0 to 5 percent slopes (TuB).

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

There were no rare or sensitive plants or animals observed upon the property during the habitat survey.

There were no Burrowing Owl 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. The holes that were observed on the site apparently were mainly gopher holes.

There is approximately 4.0 acres of Delhi Sands Soil upon the site. There is approximately 3.3 acres of Delhi Sands Soil upon the site that can be utilized by the Delhi Sands Flower-loving Fly. The presence Delhi Sands soil may indicate that the endangered fly may utilize the site to reproduce. If grading has not begun by July 1 focused surveys for the Delhi Sands Flower-loving Fly will be conducted. The remaining, approximately 0.7 acres, covered by open Delhi Sands Soil is unsuitable for use by the fly. I recommended to Amanda Swaller, of the United States Fish and Wildlife Office (Palm Springs office), that no focused fly surveys would be needed to be conducted to determine the presence or absence of the Delhi Sands Flower-loving Fly in that area the site. She concurred.

The site was surveyed for the endangered (USFWS) Santa Ana River woolly star (*Eriastrum densifolium* ssp. *sanctorum*) and the endangered (USFWS) Slender-horned Spineflower (*Dodecahema leptoceras*). Neither of the plants were observed.

Two other sensitive animals are found in the area - San Bernardino Kangaroo Rat (*Dipodomys merriami parvus*) and LA Pocket Mouse (*Perognathus longimembris brevinasus*). There was no evidence of kangaroo rat burrows. It is unlikely that the San Bernardino Kangaroo Rat or the LA Pocket Mouse are present upon the site. San Bernardino kangaroo rats inhabit places with sandy loam substrates, characteristic of alluvial fans and flood plains, where they are able to dig small, simple burrows. Plant life in such areas is typically dominated by chaparral and coastal sage scrub (soft chaparral). Of these subsections of this particular habitat, the San Bernardino Kangaroo Rat is most populous in intermediate alluvial scrub. The habitat of Los Angeles pocket mice includes lower elevation grassland, alluvial sage scrub, and coastal sage scrub. There was no scrub present upon the site.

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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

June 9, 2022

Dale A. Powell
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