Appendix C.2

Focused Burrowing Owl Report

ROCKS
BIOLOGICAL CONSULTING





ROCAS GRANDES II PROJECT – FOCUSED BURROWING OWL SURVEY REPORT

Moreno Valley, California

July 10, 2024

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1 SUMMARY

This report is a summary of the results of focused burrowing owl (*Athene cunicularia*; BUOW) surveys conducted by Rocks Biological Consulting (RBC) for the Rocas Grandes II Project (project) in the City of Moreno Valley, Riverside County, California. The project is within the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP) Burrowing Owl Survey Area (RCA 2022).

Based on the presence of suitable habitat, RBC conducted breeding season (March 1 – August 31) BUOW surveys between April 2 and June 18, 2024, in accordance with the *Western Riverside MSHCP Burrowing Owl Survey Instructions* (BUOW Survey Instructions; RCA 2006) and the California Department of Fish and Wildlife (CDFW) *Staff Report on Burrowing Owl Mitigation* (CDFW 2012). No BUOW, active burrows, or BUOW sign were documented within the project site or 500-foot buffer.

2 INTRODUCTION

2.1 PROJECT LOCATION & PROPOSED ACTIVITY

The approximately 18-acre project site is in the City of Moreno Valley, Riverside County, California (Figure 1). The project site is located north of the future extension of Brodiaea Avenue, south of Alessandro Boulevard, east of the future extension of Darwin Drive, and west of vacant land and the future Morrison Street. The project proposes the development of a 460-unit multi-family residential development.

2.2 BURROWING OWL NATURAL HISTORY

Within California, BUOW is listed by the CDFW as a Species of Special Concern (SSC). Suitable habitat for BUOW is generally typified by short, sparse vegetation with few shrubs, level to gentle topography, and well-drained soils, such as naturally occurring grassland, shrub steppe, and desert habitats (Haug et al. 1993). Additionally, BUOW may occur in agricultural areas, ruderal grassy fields, vacant lots, and pastures containing suitable vegetation structure and useable burrows and foraging habitat in proximity (Gervais et al. 2008). Typically, BUOW use burrows that have been dug by other species. In California, BUOW frequently use burrows dug by California ground squirrel (*Otospermophilus beecheyi*) and round-tailed ground squirrel (*Citellus tereticaudus*) and dens or holes dug by other fossorial species, including American badger (*Taxidea taxus*), coyote (*Canis latrans*), and fox (e.g., San Joaquin kit fox [*Vulpes macrotis mutica*]) (Ronan 2002). In addition, BUOW also frequently use natural rock cavities, debris piles, culverts, and pipes for nesting and roosting (Rosenberg et al. 1998) and have been documented using artificial burrows for nesting and cover (Belthoff and Smith 2003). Occupancy of BUOW habitat is confirmed at a site when at least one BUOW, or its sign at or near a burrow entrance, is observed within the last three years (Rich 1984).

3 METHODS

3.1 SURVEY METHODS

Based on the presence of suitable habitat within the survey area (project site and 500-foot buffer), RBC biologists Alec Goodman, Garrett Moss, Hannah Swarthout, and Kelsey Woldt conducted four focused breeding season BUOW surveys between April 12 and June 18, 2024, in accordance with Step II of the BUOW Survey Instructions (RCA 2006).

RBC biologists walked transects spaced 10-20 meters (20-60 feet) apart through suitable BUOW habitat within the survey area. RBC used binoculars (10x42 magnification) to scan the survey area at least every 100 meters for BUOW, active burrows, and/or sign of BUOW and to aid in the identification of avian species. Care was taken to minimize disturbance near suitable burrows to avoid flushing any potential BUOW. RBC examined all burrows for BUOW sign, including feathers, pellets, whitewash, and/or prey remains. Burrows were considered active if a BUOW was observed at or near the entrance or if recent sign was present. Any BUOW, active burrows, and BUOW sign were mapped in the geographic information system (GIS) program ArcGIS Collector.

3.2 SURVEYOR QUALIFICATIONS

Mr. Goodman is a wildlife biologist with over seven years of professional experience and a Bachelor of Science degree in Environmental Science. Mr. Moss is a wildlife biologist with nine years of professional experience and a Bachelor of Science degree in Biology, Ecology, and Biodiversity Emphasis. Ms. Swarthout is a wildlife biologist with over four years of professional experience and a Bachelor of Arts degree in Environmental Studies and a minor in Geography. Ms. Woldt is a wildlife biologist with five years of professional experience and holds a Master of Science degree in Biology and a Bachelor of Science degree in Ecology, Animal Behavior, and Evolutionary Biology. The biologists are experienced at conducting BUOW surveys and are familiar with the calls, scolds, and alarm calls of BUOW as well as the plumage characteristics of adult and juvenile BUOW and appearance of BUOW sign.

4 RESULTS

4.1 EXISTING CONDITIONS & HABITAT ASSESSMENT

The survey area is composed primarily of disturbed habitat and developed land. The disturbed habitat is dominated by common barley (*Hordeum vulgare*), common fiddleneck (*Amsinckia menziesii*), red brome (*Bromus rubens*), short-pod mustard (*Hirschfeldia incana*), and slender wild oat (*Avena barbata*). The developed land consists of Alessandro Boulevard, Darwin Drive, and a single-family residential development. At the time of the surveys, there was active construction north and south of Alessandro Boulevard in the western buffer of the survey area. Suitable BUOW habitat within the survey area includes disturbed habitat (Figure 1).

4.2 FOCUSED BURROWING OWL SURVEY RESULTS

RBC conducted four focused BUOW surveys during the breeding season between April 2 and June 18, 2024. No BUOW, active burrows, or BUOW sign were observed within the survey area.

However, several small mammal burrows suitable for BUOW were observed (Figure 1). Survey dates, times, personnel, and weather conditions are presented in Table 1, below. Climatic and temporal conditions did not affect survey results.

Table 1. Focused Breeding Season Burrowing Owl Survey Dates and Conditions

Survey	Date	Personnel	Time (Start-End)	Temperature (F)	Cloud Cover (%)	Wind Speed (mph)	Precipitation	Visibility (Low, Med, High)
1	4/2/24	AG, HS	0700-0830	45-51	0-0	0-3; 0-3	None	High
2	4/30/24	HS, KW	0630-0800	54-58	0-0	0-2; 0-2	None	High
3	5/22/24	AG, HS	0630-0800	53-64	100-100	0-2; 0-2	None	High
4	6/18/24	GM, HS	0630-0745	58-61	15-15	1-3; 3-5	None	High
Personnel: AG = Alec Goodman, GM = Garrett Moss, HS = Hannah Swarthout, KW = Kelsey Woldt								

Representative site photographs are presented in Appendix A, and compiled list of the 27 bird species observed during focused surveys is presented in Appendix B.

5 BURROWING OWL AVOIDANCE & MINIMIZATION

Pursuant to the MSHCP, all project sites containing burrows or suitable habitat require pre-construction surveys, regardless of BUOW presence/absence during previous surveys (RCA 2006). The pre-construction surveys will be conducted in accordance with MSHCP Objective 6 for BUOW and the BUOW Survey Instructions. As such, the following avoidance and minimization measure is required to avoid potential direct impacts on BUOW:

> A qualified biologist will conduct a pre-construction presence/absence survey for burrowing owls within 30 days prior to site disturbance. If burrowing owls are documented on site, the owls will be relocated/excluded from the site outside of the breeding season following accepted protocols, as specified in the MSHCP.

6 CONCLUSIONS

No BUOW, active burrows, or BUOW sign were documented within the survey area during the focused BUOW surveys conducted between April 12, 2024, and June 18, 2024. However, BUOW have the potential to colonize the project site due to the presence of suitable habitat and suitable burrows; therefore, in conformance with the MSHCP, pre-construction surveys are required to avoid potential direct impacts on BUOW.

7 REFERENCES

Belthoff, J.R. and B.W. Smith. 2003. Patterns of artificial burrow occupancy and reuse by burrowing owls in Idaho. Wildlife Society Bulletin, pp.138-144.

California Department of Fish and Wildlife (formerly California Department of Fish and Game). 2012. Staff Report on Burrowing Owl Mitigation. Retrieved from https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=83843.

Gervais, J.A., D.K. Rosenberg, and L.A. Comrack. 2008. Burrowing owl (*Athene cunicularia*) in W.D. Shuford and T. Gardali, editors. California Bird Species of Special Concern: A ranked assessment of species, subspecies and distinct populations of birds of immediate conservation concern in California. Studies of Western Birds 1. Western Field Ornithologists, Camarillo, California, and California Department of Fish and Game, Sacramento, California, USA.

Haug, E.A., B.A. Millsap, and M.S. Martell. 1993. Burrowing owl (*Speotyto cunicularia*), in A. Poole and F. Gill, editors, The Birds of North America, The Academy of Natural Sciences, Philadelphia, Pennsylvania, and The American Ornithologists' Union, Washington, D.C., USA.

Rich, T. 1984. Monitoring burrowing owl populations: implications of burrow re-use. Wildlife Society Bulletin 12: 178-189.

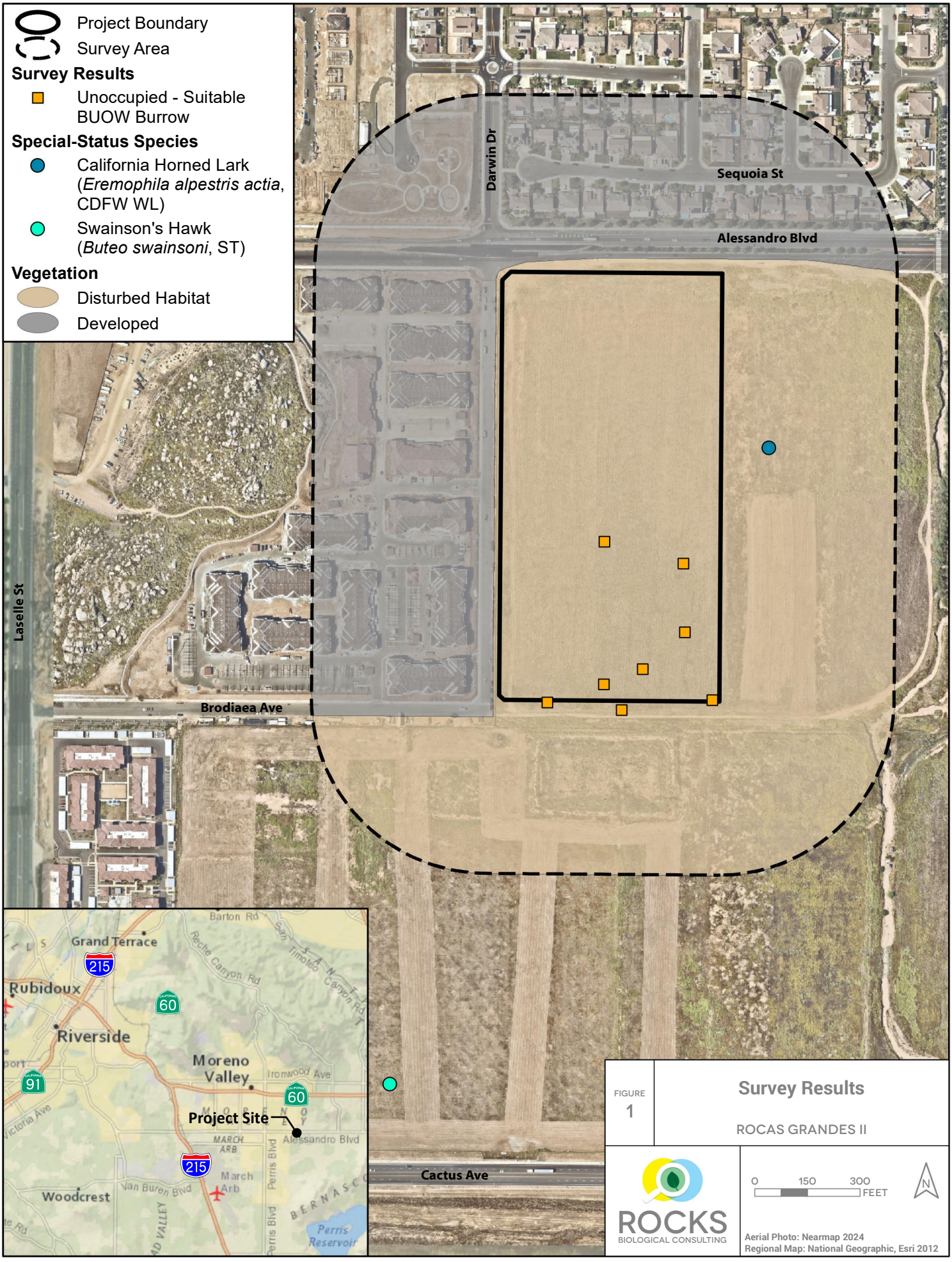
Ronan, N.A. 2002. Habitat selection, reproductive success, and site fidelity of burrowing owls in a grassland ecosystem. Thesis, Oregon State University, Corvallis, Oregon, USA.

Rosenberg, D.K., J.A. Gervais, H. Ober, and D.F. DeSante. 1998. An adaptive management plan for the burrowing owl population at Naval Air Station Lemoore, California, USA. Publication 95, Institute for Bird Populations, P.O. Box 1346, Pt. Reyes Station, CA 94956.

Western Riverside County Regional Conservation Authority (RCA).

2006. Burrowing Owl Survey Instructions for the Western Riverside Multiple Species Habitat Conservation Plan Area. Retrieved from http://www. ctlma.org/mshcp/volume1/index.html

2024. WRC Information Tool Map. Accessed April 2024. Retrieved from https://wrcrca.maps.arcgis.com/apps/webappviewer/index.html?id=a73e69d2a64d41c29ebd3acd67467abd


Project Boundary
Survey Area
Survey Results
Unoccupied - Suitable BUOW Burrow
Special-Status Species
California Horned Lark (*Eremophila alpestris actia*, CDFW WL)
Swainson's Hawk (*Buteo swainsoni*, ST)
Vegetation
Disturbed Habitat
Developed
Darwin Dr
Sequoia St
Alessandro Blvd
Laselle St
Brodiaea Ave
Cactus Ave
Barton Rd
Grand Terrace
Rubidoux
Riverside
Moreno Valley
Ironwood Ave
Project Site
Alessandro Blvd
March Arb
Woodcrest
Van Buren Blvd
Perris Blvd
Perris Reservoir
215
60
91
FIGURE 1
Survey Results
ROCAS GRANDES II
ROCKS BIOLOGICAL CONSULTING
0 150 300 FEET
N
Aerial Photo: Nearmap 2024
Regional Map: National Geographic, Esri 2012

APPENDIX A

SITE PHOTOGRAPHS

Appendix A

Site Photographs



Photo 1. Overview of the disturbed land throughout the project site, facing south. April 2, 2024.



Photo 2. View of the eastern buffer of the project site (left) and the project site (right). April 2, 2024.



Photo 3. View of the disturbed land throughout the project site, facing northeast. April 2, 2024.



Photo 4. View of development (foreground) and active construction (background) in the northern buffer of the project site, facing northwest. April 2, 2024.



Photo 5. View of the project site from the northern boundary, facing south. May 22, 2024.



Photo 6. View of the project site from the southern boundary, facing north. June 18, 2024.



Photo 7. View of the project site (foreground) and active construction (background) in the western buffer, facing southwest. June 18, 2024.



Photo 8. View of the southern buffer of the project site, facing northeast. June 18, 2024.

APPENDIX B

BIRD SPECIES OBSERVED

Appendix B

Bird Species Observed

Family	Common Name	Scientific Name
Accipitridae	Cooper's hawk	*Accipiter cooperii* (WL; WRMSHCP)
Accipitridae	red-tailed hawk	*Buteo jamaicensis*
Accipitridae	Swainson's hawk	*Buteo swainsoni* (ST; WRMSHCP)
Alaudidae	California horned lark	*Eremophila alpestris actia* (WL; WRMSHCP)
Ardeidae	great egret	*Ardea alba*
Cardinalidae	blue grosbeak	*Passerina caerulea*
Charadriidae	killdeer	*Charadrius vociferus*
Columbidae	mourning dove	*Zenaida macroura*
Columbidae	rock pigeon*	*Columba livia*
Corvidae	common raven	*Corvus corax*
Falconidae	American kestrel	*Falco sparverius*
Fringillidae	house finch	*Haemorhous mexicanus*
Fringillidae	Lawrence's goldfinch	*Spinus lawrencei* (BCC)
Fringillidae	lesser goldfinch	*Spinus psaltria*
Hirundinidae	cliff swallow	*Petrochelidon pyrrhonota*
Icteridae	red-winged blackbird	*Agelaius phoeniceus*
Icteridae	western meadowlark	*Sturnella neglecta*
Motacillidae	American pipit	*Anthus rubescens*
Parulidae	yellow-rumped warbler	*Setophaga coronata*
Passeridae	house sparrow*	*Passer domesticus*
Passerellidae	white-crowned sparrow	*Zonotrichia leucophrys*
Picidae	northern flicker	*Colaptes auratus*
Trochilidae	Anna's hummingbird	*Calypte anna*
Tyrannidae	black phoebe	*Sayornis nigricans*
Tyrannidae	Cassin's kingbird	*Tyrannus vociferans*
Tyrannidae	Say's phoebe	*Sayornis saya*
Tyrannidae	western kingbird	*Tyrannus verticalis*

*Introduced species
BCC = U.S. Fish and Wildlife Service (USFWS) Bird of Conservation Concern
ST = Listed as State Threatened under California Endangered Species Act (CESA)
WL = California Department of Fish and Wildlife (CDFW) Watch List
WRMSHCP = Western Riverside Multiple Species Habitat Conservation Plan (MSHCP) Covered Species

APPENDIX C

CALIFORNIA NATURAL DIVERSITY DATABASE ONLINE FIELD SURVEY FORM REPORTS

CNDDB Online Field Survey Form Report

California Natural Diversity Database
Department of Fish and Wildlife
1416 9th Street, Suite 1266
Sacramento, CA 95814
Fax: 916.324.0475
cnddb@wildlife.ca.gov
www.dfg.ca.gov/biogeodata/cnddb/

This data has been reported to the CNDDB, but may not have been evaluated by the CNDDB staff

Source code SWA24F0005
Quad code 3311782
Occ. no. _____
EO index no. _____
Map index no. _____

Scientific name: *Accipiter cooperii*

Common name: Cooper's hawk

Date of field work (mm-dd-yyyy): 04-30-2024

Comment about field work date(s):

OBSERVER INFORMATION

Observer: Hannah Swarthout

Affiliation:

Address: 4312 Rialto St. , San Diego, CA 92107

Email: hannah@rocksbio.com

Phone: (760) 712-6663

Other observers:

DETERMINATION

Keyed in:

Compared w/ specimen at:

Compared w/ image in: iBird Pro application

By another person: Alec Goodman

Other: Mentally compared with other known sightings

Identification explanation:

Identification confidence: Very confident

Species found: Yes **If not found, why not?**

Level of survey effort: Protocol burrowing owl survey

Total number of individuals: 1

Collection? No **Collection number:**

Museum/Herbarium:

ANIMAL INFORMATION

How was the detection made? Seen

Number detected in each age class:

adults	juveniles	larvae	egg mass	unknown
1				

Age class comment:

Bird site use:

☐ Nesting ☐ Rookery ☐ Nesting colony ☐ Burrow site ☐ Lek

☐ Non-breeding (over-wintering) ☐ Communal roost ☑ Other

Site use description: Individual was observed soaring

What was the observed behavior? Flying

Describe any evidence of reproduction:

SITE INFORMATION

Habitat description:

Slope: Land owner/manager:

Aspect:

Site condition + population viability:

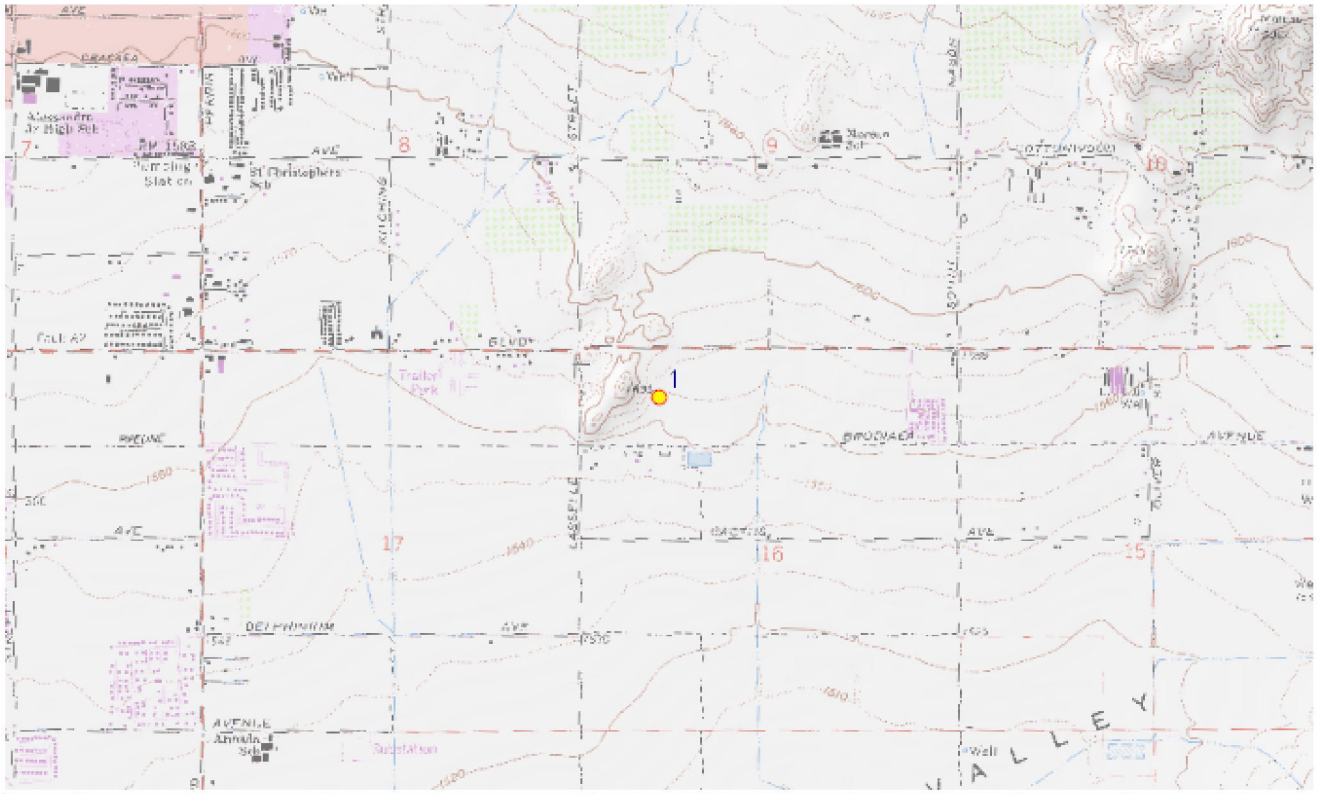
Immediate & surrounding land use:

Visible disturbances:

Threats:

General comments:

MAP INFORMATION



ID	County	24K Quadrangle	Elev. (ft)	Latitude NAD83	Longitude NAD83	UTM E NAD83	UTM N NAD83	UTM Zone
	Riverside	Sunnymead	1572	33.91548	-117.20535	481017	3752804	11
1	**Public Land Survey**	**Feature Comment**						
	S T03S R03W 16							

The mapped feature is accurate within: 10 m

Source of mapped feature: FieldMaps (ArcGIS Online application)

Mapping notes:

Location/directions comments:

Attachment(s):

CNDDB Online Field Survey Form Report

California Natural Diversity Database
Department of Fish and Wildlife
1416 9th Street, Suite 1266
Sacramento, CA 95814
Fax: 916.324.0475
cnddb@wildlife.ca.gov
www.dfg.ca.gov/biogeodata/cnddb/

This data has been reported to the CNDDB, but may not have been evaluated by the CNDDB staff

Source code SWA24F0003
Quad code 3311782
Occ. no. _____
EO index no. _____
Map index no. _____

Scientific name: *Buteo swainsoni*

Common name: Swainson's hawk

Date of field work (mm-dd-yyyy): 04-03-2024

Comment about field work date(s):

OBSERVER INFORMATION

Observer: Hannah Swarthout

Affiliation:

Address: 4312 Rialto St. , San Diego, CA 92107

Email: hannah@rocksbio.com

Phone: (760) 712-6663

Other observers:

DETERMINATION

Keyed in:

Compared w/ specimen at:

Compared w/ image in:

By another person: Alec Goodman

Other: iBird Pro, Merlin Bird ID

Identification explanation:

Identification confidence: Very confident

Species found: Yes **If not found, why not?**

Level of survey effort: Burrowing owl protocol survey

Total number of individuals: 2

Collection? **Collection number:**

Museum/Herbarium:

ANIMAL INFORMATION

How was the detection made? Seen

Number detected in each age class:

adults	juveniles	larvae	egg mass	unknown
2				

Age class comment: Due to time of year, likely adults

Bird site use:

☐ Nesting ☐ Rookery ☐ Nesting colony ☐ Burrow site ☐ Lek

☐ Non-breeding (over-wintering) ☐ Communal roost ☑ Other

Site use description: Observed soaring, then took off north

What was the observed behavior? Flying

Describe any evidence of reproduction:

SITE INFORMATION

Habitat description:

Slope: Land owner/manager:

Aspect:

Site condition + population viability:

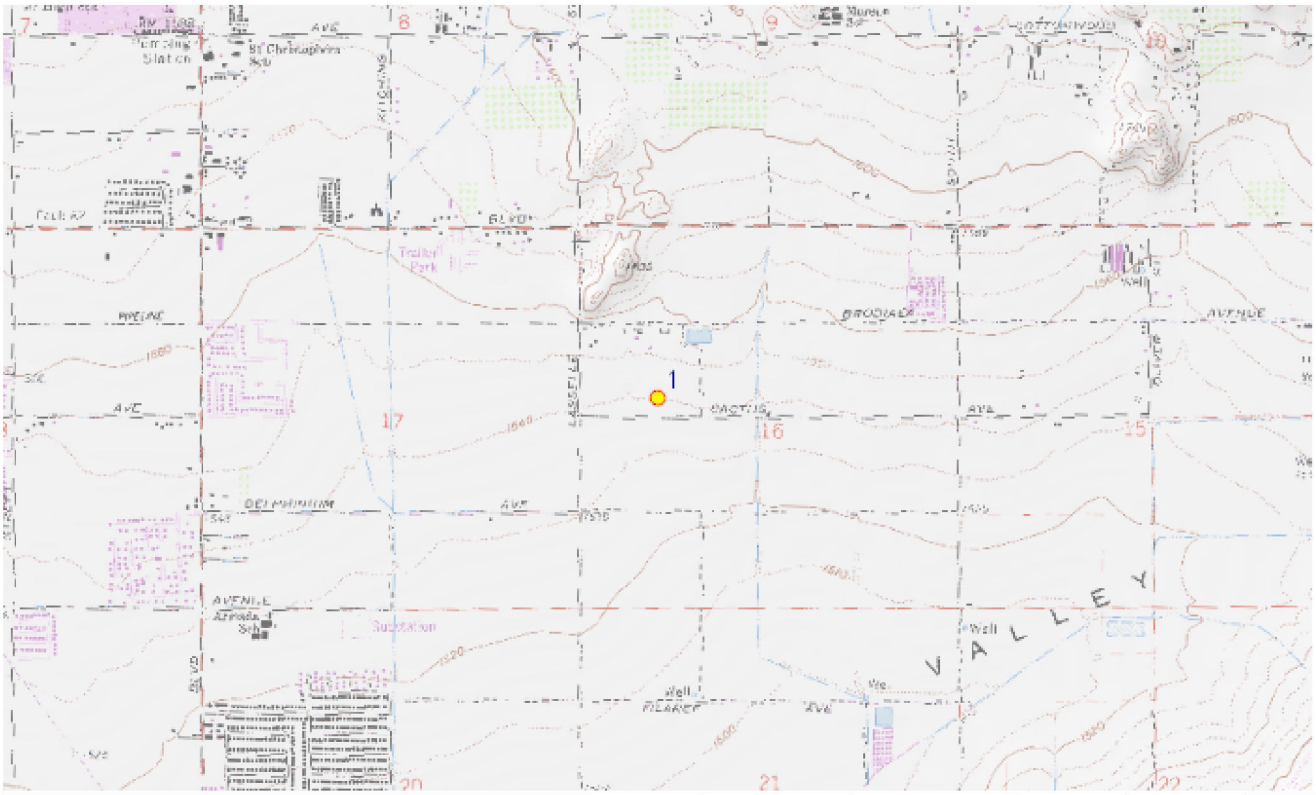
Immediate & surrounding land use:

Visible disturbances:

Threats:

General comments:

MAP INFORMATION



ID	County	24K Quadrangle	Elev. (ft)	Latitude NAD83	Longitude NAD83	UTM E NAD83	UTM N NAD83	UTM Zone
	Riverside	Sunnymead	1543	33.91078	-117.20541	481011	3752283	11
1	**Public Land Survey**	**Feature Comment**						
	S T03S R03W 16							

The mapped feature is accurate within: 10 m

Source of mapped feature: FieldMaps (ArcGIS application)

Mapping notes:

Location/directions comments:

Attachment(s):

CNDDB Online Field Survey Form Report

California Natural Diversity Database
Department of Fish and Wildlife
1416 9th Street, Suite 1266
Sacramento, CA 95814
Fax: 916.324.0475
cnddb@wildlife.ca.gov
www.dfg.ca.gov/biogeodata/cnddb/

This data has been reported to the CNDDB, but may not have been evaluated by the CNDDB staff

Source code SWA24F0006
Quad code 3311782
Occ. no. _____
EO index no. _____
Map index no. _____

Scientific name: *Eremophila alpestris actia*

Common name: California horned lark

Date of field work (mm-dd-yyyy): 06-18-2024

Comment about field work date(s):

OBSERVER INFORMATION

Observer: Hannah Swarthout

Affiliation:

Address: 4312 Rialto St. , San Diego, CA 92107

Email: hannah@rocksbio.com

Phone: (760) 712-6663

Other observers:

DETERMINATION

Keyed in:

Compared w/ specimen at:

Compared w/ image in: iBird Pro application

By another person: Garrett Moss

Other:

Identification explanation:

Identification confidence: Very confident

Species found: Yes **If not found, why not?**

Level of survey effort: Protocol level burrowing owl survey

Total number of individuals: 4

Collection? **Collection number:**

Museum/Herbarium:

ANIMAL INFORMATION

How was the detection made? Heard singing then seen

Number detected in each age class:

adults	juveniles	larvae	egg mass	unknown
				4

Age class comment: Unsure of age class. Flock was moving about foraging on site

Bird site use:

☐ Nesting ☐ Rookery ☐ Nesting colony ☐ Burrow site ☐ Lek

☐ Non-breeding (over-wintering) ☐ Communal roost ☑ Other

Site use description: Foraging

What was the observed behavior? Foraging

Describe any evidence of reproduction:

SITE INFORMATION

Habitat description:

Slope: Land owner/manager:

Aspect:

Site condition + population viability:

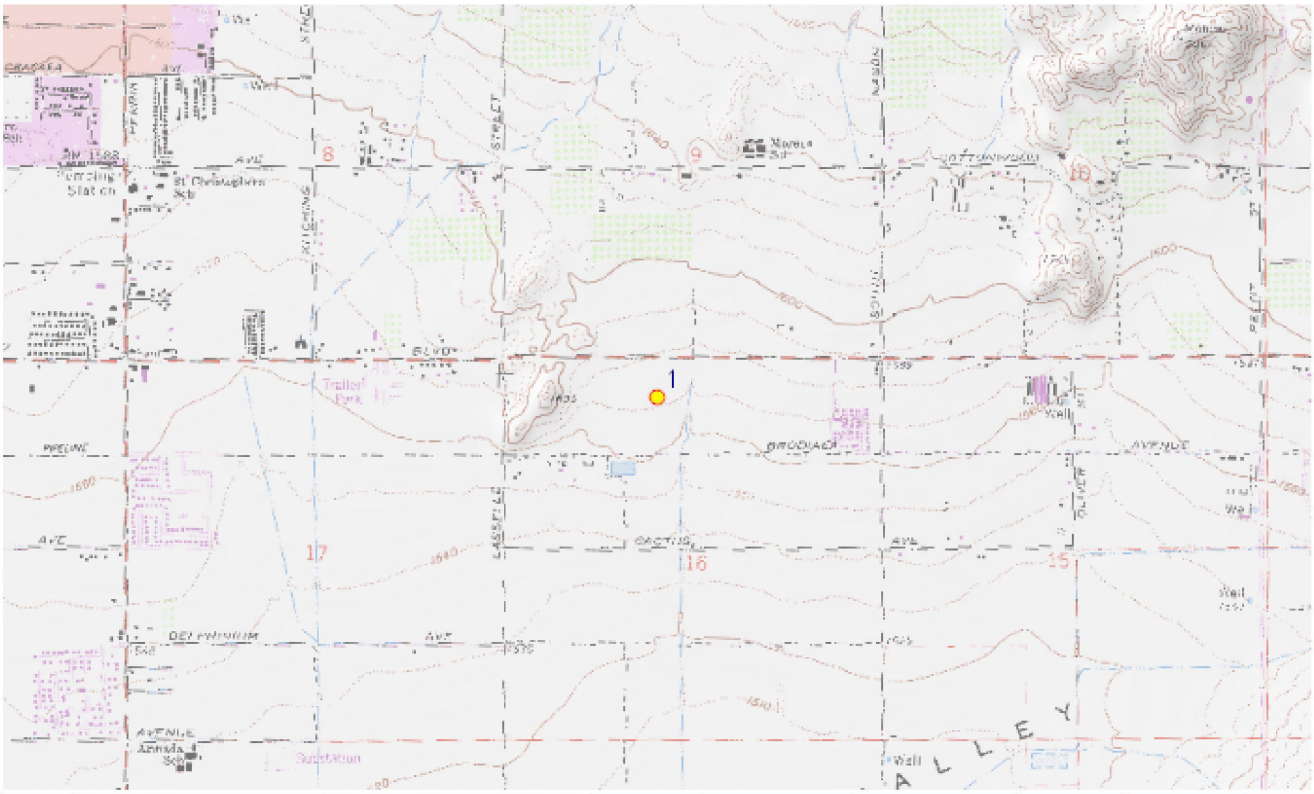
Immediate & surrounding land use:

Visible disturbances:

Threats:

General comments:

MAP INFORMATION



ID	County	24K Quadrangle	Elev. (ft)	Latitude NAD83	Longitude NAD83	UTM E NAD83	UTM N NAD83	UTM Zone
	Riverside	Sunnymead	1573	33.91584	-117.20194	481332	3752843	11
1	**Public Land Survey**	**Feature Comment**						
	S T03S R03W 16							

The mapped feature is accurate within: 10 m

Source of mapped feature: FieldMaps (AGOL application)

Mapping notes:

Location/directions comments:

Attachment(s):

APPENDIX D

SURVEYOR FIELD NOTES

4/2/24 ROCAS GRANDE BUOW
5:30AM-11:15AM

	TIME	TEMP	WIND	CC
START	7:00AM	45	0-3	0%
END	8:30AM	51	0-3	0%

WILDLIFE: ANHA, SWHA*
~~HOLA~~, GREG, ROPI, COKA, AMPI, WFME, RUBL, WCSP, CAGS, MOBO, HOFI, NRWA, CAKI, SAPH, KILL, ~~RTHA~~,
PLANTS: BROTEC, HORMUR? BRODIA, SISIRI, ~~HIRINC?~~, LAMAUR, BRORUB, MALPAR, EROCIC, RAFRUG, SALTRA, ONCPIL, AMSMEN. BRANIG, MELIND, ~~BAESAT~~, TAMPAM
NOTES:
WESTERN BUFFER ACTIVE CONSTRUCTION
PROJECT SITE RECENTLY TILLED
*TWO ADULTS SOARING, THEN TOOK OFF NORTHWEST
PREVIOUS CAGS BURROWS OVERGROWN
NO CAGS OR BURROWS ON SITE.
CAGS HEARD SE BUFFER
NO BUOW OR SIGN

Rocas Grandes II Buw #1 4/2

Ab	0760	45	0-3	OX
Ab	0830	51	0-3	OX

GREG WEME RUBZ CORA AMPI
RUBZ WCSP CATS^{02} MSDO HUFI
YEWT CATS SAPA KELL RTHA
AMPI SWTHA

* RUBZ on small building/nests in southern half

* western : NW buffer active construction project, recently dished
HORUUL, SISIRO, HER INC, BRODIE LAMINAR, EKO CIC, MARPAR, BROWN WILD RICE, SALSOUSA, ONC PIC Anishinabe SD, BRAMBLE, MELIND BALSAM, TAMARISK, BROTEC

* SWTHA-2, Soaring SW of project. Not in buffer

---

1 CATS obs in SE buffer.
No suitable homes on site!

4/30 ROCAS GRANDES BUOY #2

5:00AM - 11:00PM 30 knd BEAR

	TIME	TEMP	WIND	CC
START	6:30AM	54°	0-2	0%
END	8:00AM	58°	0-2	0%

WILDLIFE:

LEGO, HOSP, HOFI, SAPH, WEME, MOOD, RWBL, KILL, CAGS, COHA*, ...

4/30/24 ROCAS GRANDE BUOW
0630 54 0-2 0 0
0800 58 0-2 0 0

AOFI LEGO HOSP CORA
SAPH WEME RWBB MODO
KILL COHA* AMCR

*SURVEY NEGATIVE FOR
BUOW & SIGN

CAGS
Audubon cottontail
Side-blotched lizard

COHA: n=2, fly over

5/22 ROCAS GRANDES BLOW

5:00AM - 3:00PM

	TIME	TEMP	WIND	CC
START	6:30AM	53°	0-2	100%
END	8:00AM	64	0-2	100%

WILDLIFE:

CORA, HOFI, HOSP, SAPH, HOLA
MOCO, RWBL, CAGS, AMDI, LECO

AB	Rocks Ornules				5/22
LTS	BJ SW #3				
	0630	54	0-3	100%	cloudy
	0800	55	1-5	100%	clear
HOPE	COLA	HOSP	SHIPA	LEGO	MODO
RWBR					

Desert cottontail

⊠ East & South border surveyed by birds due to Encampment activity.

North & western border developed

New CAON Burrows

No Brow or Sign

6/18 ROCKS GRANDES BUOW#4

5:00AM - 11:00AM

	TIME	TEMP	WIND	CC
START	6:30AM	58	1-3	15%
END	7:45AM	61	3-5	15%

WILDLIFE:
HOFI, LEGO, HOSP, WEME, COTTONTAIL, BLGR, KILL, COHA, CLSW, LAGO, NOFL, WEKI, MOBO, HOLA* AMKI, BTJE, SAPH, CAGS, ANHU, RUBY, AMKE,

NOTES: - SOUTHERN BUFFER PLANTED TILLED BERM OVERGROWN
EASTERN BUFFER TILLED / DISKED AND IS LOOSE DIRT
- WESTERN & NW BUFFER ACTIVE CONSTRUCTION
- NORTHERN BUFFER BEVELLED
* ~ 4 HOLA FORAGING IN EASTERN BUFFER
- TRANSIENT MAN PICKING UP & THROWING STUFF IN DE BUFFER

Rocas Grandes BUOW #4

Date: 6/18/2024
Biologists: HS, GM

Start: 630, 58F, 1-3 mph wind, 15% CC
End: 745, 61F, 3-5 mph wind, 15% CC

Species Observed:
Birds: HOFI HOSP LEGO ANHU WEME KILL BLGR CORA CLSW NOFL LAGO WEKI MODO HOLA AMPI SAPH BLPH AMKE
Mammals: desert cottontail, CAGS, black-tailed jackrabbit

Survey Notes:

- No BUOW or their sign were observed.
- Site and survey buffer contained areas of tall and densely vegetated non-native vegetation dominated by HIRINC, which is unsuitable for BUOW occupation. Other vegetated areas consisted of dense and low-growing vegetation dominated by Russian thistle, stinknet, fiddlenecks, and non-native grasses; some CAGS burrows were present and were suitable for BUOW occupation. Barren areas were also present where recent tilling activities occurred.
- Flocks of LAGO and HOLA observed foraging within project site and survey buffer.