

GENERAL BIOLOGICAL RESOURCES ASSESSMENT

SUMMERLAND SENIOR LIVING AT CHINO

APN 1023-011-51-0-000

SAN BERNARDINO COUNTY, CALIFORNIA

(Township 2 South, Range 8 West, Section 8)

Prepared for:

RDS Partners, Inc.

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Project No: RCA#2015-56B**

Report Prepared by Randall C. Arnold, Jr.

September 10, 2019

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EXECUTIVE SUMMARY

The project proponent proposing to develop a Residential Care Facility for the Elderly (RCFE) on a 3.16-acre parcel in San Bernardino County, California (Township 2 South, Range 8 West, Section 8) (Figures 1, 2, and 3). The site has been heavily disturbed by past human activities; consequently, there is limited native vegetation. The dominant vegetation consisted of erodium (*Erodium texanum*), schismus (*schismus barbatus*) and brome grass (*Brome* sp.) with Russian thistle (*Salsola dorii*) and bunchgrass (*Phleum* sp.) also present. The site is bordered by single family dwellings to the north, east, and south beyond which are more residential developments. The site is also bordered on the southwest by Serenity Trail. No sensitive species or sensitive habitats (e.g., wetlands, riparian areas, etc.) were observed during the biological surveys conducted on August 28, 2019. No mitigation measures are required; furthermore, the site does not support any biological resources which would prevent commercial development of the property.

Various sensitive wildlife species have been documented in the surrounding region within a radius of approximately 10-miles of the site according to the California Natural Diversity Data Base (2019). There are twelve State or federal listed (i.e., threatened or endangered) wildlife species that have been documented in the region including Swainson's hawk (*Buteo swainsoni*), San Bernardino kangaroo rat (*Dipodomys merriami parvus*), coastal California gnatcatcher (*Polioptila californica californica*), tri-colored blackbird (*Agelaius tricolor*), California black rail (*Laterallus jamaicensis coturniculus*), least Bell's vireo (*Vireo bellii pusillus*), Santa Ana sucker (*Catostomus santaanae*), western yellow-billed cuckoo (*Coccyzus americanus occidentalis*), southwestern willow flycatcher (*Empidonax traillii extimus*), Stephen's kangaroo rat (*Dipodomys stephensi*), steelhead (*Oncorhynchus mykiss irideus* [population 10]), and Delhi Sands flower-loving fly (*Rhaphiomidas terminatus abdominalis*). One listed insect, the crotch bumble bee (*Bombus crotchii*), has also been documented in the area.

There are four State or federal listed plant species in the region including Santa Ana woollystar (*Eriastrum densifolium ssp. sanctorum*), Brauton's milk-vetch (*Astragalus brauntonii*), Nevin's barberry (*Berberis nevinii*), and slender-horned spineflower (*Dodecahema leptoceras*). Several other special status plant and animal species (i.e., "Species of Special Concern," etc.) occur in the region and these are provided in Table 1 (Appendix A).

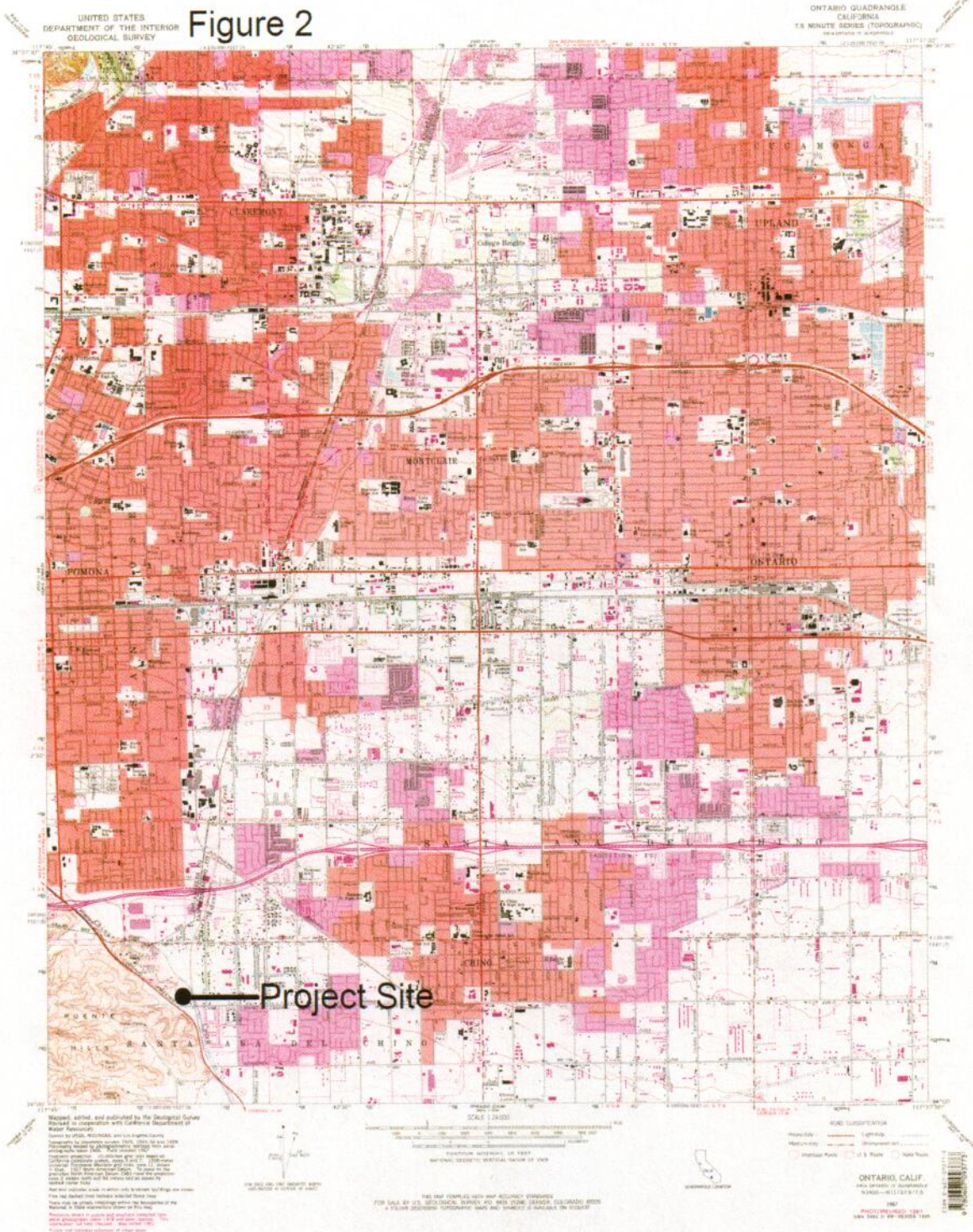
All of the State and federal listed species, as well as the other special status species, have relatively specific habitat requirements (e.g., riparian habitat, coastal sage scrub, aquatic areas, wetlands, vernal pools, native vegetation, etc.). As mentioned above, the site has been significantly disturbed by past activities and as such, does not support suitable habitat for any of the listed or special status species. However, the burrowing owl (*Athene cunicularia*), which is a California Species of Special Concern, does occasionally occur in highly disturbed areas; although, no owls were seen during the August 2019 surveys nor were any suitable burrows detected.

1.0 PROJECT AND PROPERTY DESCRIPTION

The property is located northeast of Serenity Trail just northeast of the intersection of Chino Avenue and Serenity Trail in an unincorporated part of San Bernardino County (Township 2 south, Range 8 West, Section 8) (Figures 1 and Figure 2). The site is approximately 3.16-acres in size and has been disturbed by past human activities (Figure 4). The site is surrounded by existing residential dwellings. Biological surveys were conducted on the property, as well as the Caltrans right-of-way southwest and west of the site. Surveys were conducted on August 28, 2019, during which data on the existing biological conditions were recorded, and the results of the survey are presented in this report. The site and surrounding areas were also evaluated for the potential presence of sensitive species that are known to occur in the general region. Currently, the site supports limited native vegetation consisting of low lying erodium, schismus, and brome grass (Figure 3). See Section 4.0 for a more detailed discussion of the biological resources.

The proponent is proposing to develop a Residential Care Facility for the Elderly (RCFE) on the 3.16-acre parcel. The property is located at an elevation of approximately 800 feet (MSL) (approximate) and is bordered on the north and east by single-family dwellings. Roadways border the site to the southwest. The USGS Ontario, CA Quadrangle does not show any blue-line channels on the site, and no streams, desert washes or other water features were observed during the August 28, 2019 field investigations. No wildlife corridors bisect the property and no sensitive wildlife species were observed during the biological surveys. The site does not support native plant communities which are associated with any special status species. Weather conditions during the August 2019 field investigations consisted of winds of 0 to 5 mph from the south, temperatures in the mid 80's (°F) with clear skies.

Figure 2
USGS Quadrangle Map





CENTER OF SITE LOOKING EAST



CENTER OF SITE LOOKING WEST

FIGURE 3
PHOTOS OF SITE

2.0 LITERATURE & RECORD REVIEW – SPECIAL STATUS SPECIES

As part of the environmental process, California Department of Fish and Wildlife (CDFW) and U.S. Fish and Wildlife Service (USFWS) data sources were reviewed to determine if any listed and/or sensitive species have been documented in the area surrounding the site. The Federal Endangered Species Act provides protection for species of fish, wildlife, and plants that are listed by the US Government as threatened or endangered in the U.S., and the Act outlines procedures for Federal agencies to follow when evaluating projects which may jeopardize any listed species. In addition, the California Endangered Species Act (CESA) provides protection to those species which are deemed to be threatened with a significant decline or extinction within California and the CESA provides CDFW with the responsibility of evaluating projects which may affect sensitive species.

Based on a general literature review, a search of USFWS and CDFW data bases, and a search of the California Natural Diversity Database (CNDDDB), it was determined that there are twelve State or federal listed wildlife species and four listed plants that have been documented in the immediate surrounding region within approximately ten miles of the site (CNDDDB, 2019). These listed species include Swainson's hawk, San Bernardino kangaroo rat, coastal California gnatcatcher, tri-colored blackbird, California black rail, least Bell's vireo, Santa Ana sucker, western yellow-billed, cuckoo, southwestern flycatcher, Stephen's kangaroo rat, steelhead, Delhi Sands flower loving fly, Santa Ana woollystar, Brauton's milk-vetch, Nevin's barberry, and slender-horned spineflower (CNDDDB, 2019, Table 1, Appendix A).

Following the data review, general biological surveys were performed on the site and in the Caltrans right-of-way on August 28, 2019. The biological resources on the site and in the surrounding areas were investigated by Randall C. Arnold, Jr. from about 0900 to 1130 hours. As part of the surveys, the project site and the right-of-way to the southwest of the site were evaluated for the presence of habitats which could potentially support populations of sensitive species.

3.0 METHODOLOGIES

General Vegetation and Wildlife

General biological surveys were conducted on August 28, 2019 during which Randall C. Arnold, Jr. (Principal biologist) from RCA Associates, Inc. walked meandering transects (transects of opportunity) throughout the site from about 0900 to 1130 hours). During the surveys, data was collected on the plant species present on the site and in the immediate surrounding area and the wildlife species observed were also documented. Those plants which could not be identified in the field were collected and taken back to the lab for identification.

Birds which use the site and adjacent areas, were identified by visual observations and sound; whereas, mammals were identified by scats, tracks, burrows, or direct observations. All plants and animals detected during the field investigations were recorded and are provided in compendium Tables 2 & 3 (Appendix A). The site was also evaluated for the presence of any sensitive habitats (e.g., wetlands, streams, etc.) and any native habitats which could potentially support sensitive species.

Special Status Species

The site is relatively small (3.16-acres) and supports minimal vegetation due to past human activities. It was determined that protocol surveys were unnecessary for any of the special status species known to occur in the region (See Table 1, Appendix A) given the existing level of past disturbance and the absence of any native plant communities. However, the site was surveyed for the presence of burrowing owls and suitable owl burrows given the fact that this species does occasionally occur in disturbed habitats.

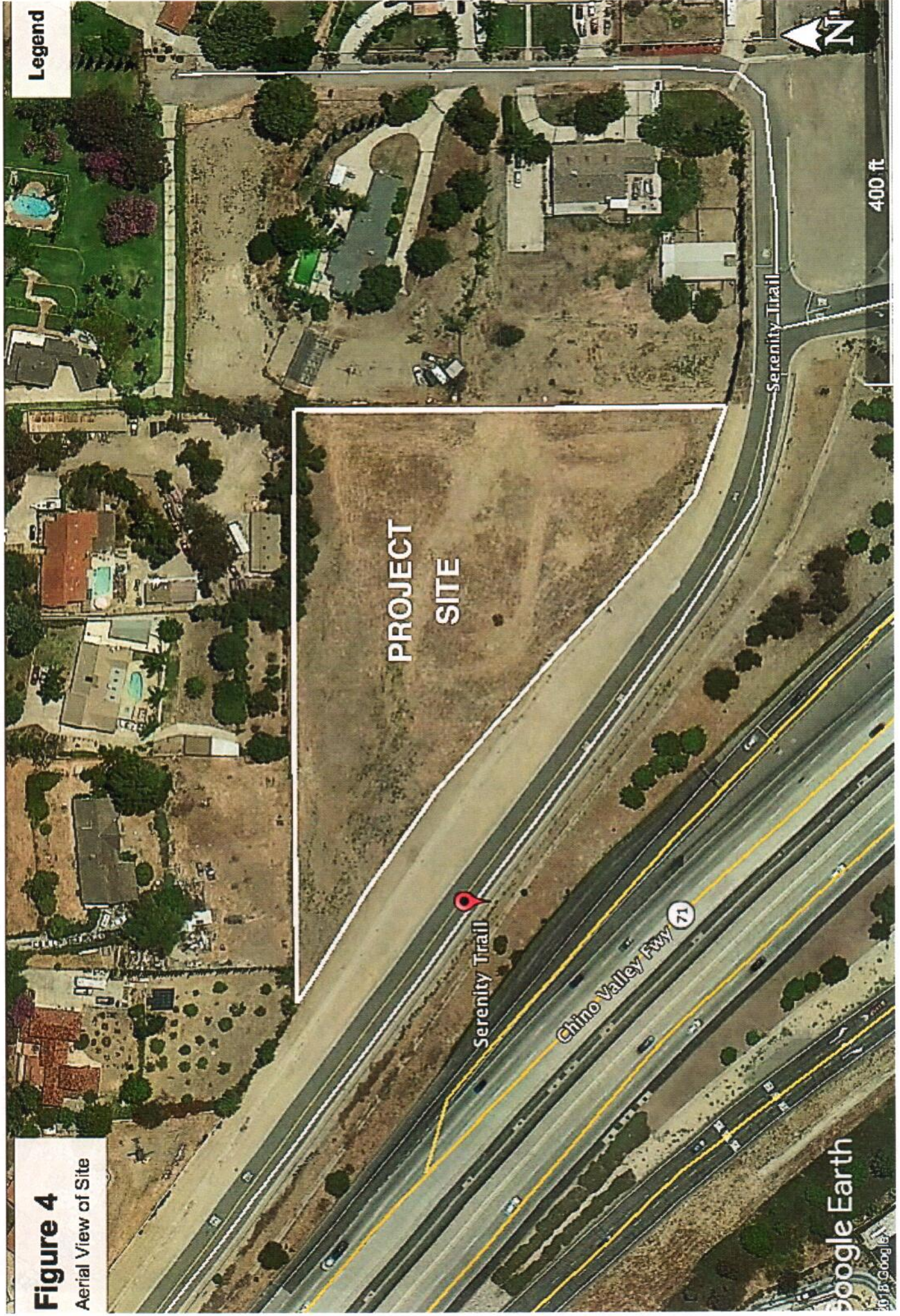
4.0 GENERAL BIOLOGICAL SURVEY RESULTS

The site supports a ruderal plant community due to past human disturbances. The dominant plants included erodium (*Erodium texanum*), schismus (*Shismus barbatus*), brome grasses (*Bromus* sp.), Russian thistle (*Salsola tragus*), and buckwheat (*Eriogonum* sp.). A few ornamental shrubs and trees also occur along portions of the northern property line. Vegetation in the areas adjacent to the site also consisted of mesquite trees (*Prosopis* sp.), erodium, schismus, and brome grass (*Brome* sp.) (Figure 4) (Appendix A, Tables 2). Figure 4 is an aerial view of the site which depicts the existing conditions on the site and in the surrounding area.

Ravens (*Corvus corax*), California ground squirrel (*Spermophilus beecheyi*), mourning dove (*Zenaida macroura*), and song sparrows (*Melospiza melodia*) were the only wildlife species observed on the site during the August 2019 surveys. Raptors such as red-tailed hawks have been previously observed in the area; however, no raptor nests were observed in any of the trees along the eastern boundary of the site. Other common species which have been observed in the general area during other recent surveys performed by RCA Associates, Inc. include side-blotched lizards (*Uta stansburiana*), western kingbird (*Tryannus verticalis*), and black phoebe (*Sayornis nigricans*) (Appendix A, Table 3). No distinct wildlife corridors were identified on the site or in the immediate surrounding area, and no breeding activities were observed among any of the wildlife observed.

Figure 4

Aerial View of Site



Legend



400 ft

PROJECT SITE

Serenity Trail

Chino Valley Fwy (71)

Google Earth

5.0 IMPACTS AND RECOMMENDATIONS

5.1 General Biological Resources

The site does not support any native plant communities due to past human activities on the property. As noted above, the site is surrounded by existing single-family dwellings to the north and east with Serenity Trail to the southwest. The site also shows signs of past ground clearing activities which has resulted in ruderal vegetation throughout the site. There are also signs that the property may have been used for hay production. No sensitive habitats or wildlife corridors exist on the site. Based on the findings of the August 2019 surveys the proposed project and its associated cumulative impacts to the general biological resources are not expected to be significant. Development of the site will result in removal of 3.16-acres of ruderal vegetation which will have a minimal impact on wildlife which currently utilize the site. The wildlife species which inhabit the site are limited in number and the mobile species will disperse through the area; although less mobile species will experience some mortality.

5.2 Special Status Species

No special status species were observed during the general biological surveys conducted on August 28, 2019, nor is the site expected to support any listed or other special status species now or in the future. As noted above, the site has been significantly disturbed by past human activities and does not support any habitats which are associated with any of the species listed in Table 1 (Appendix A). However, one species (i.e., burrowing owl) sometimes inhabits disturbed areas if suitable burrows are present. No owls, owl sign (castings, whitewash, etc.) or suitable burrows were observed during the field investigations.

6.0 MITIGATION MEASURES

Approval of the proposed project is not expected to have an adverse effect on any special status species based on the results of the August 2019 field investigations. The site is bordered on the north and east by houses, and on the southwest by Serenity Trail and supports ruderal vegetation. The site shows signs of significant past disturbance and does not support any habitat suitable for any special status species; therefore, the site is not expected to support any populations of those special status species known to occur in the surrounding region (Table 1, Appendix A). No mitigation measures are recommended at this time; however, if any special status species are identified in the future during development activities, CDFW and USFWS should be notified. CDFW and USFWS are the only agencies which can grant authorization for the “take” of any sensitive species.

7.0 BIBLIOGRAPHY

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Appendix A

**CNDDDB Sensitive Species List (Table 1)
&
Flora and Fauna Tables 1 & 2**



Figure 1
Summary Table Report
 California Department of Fish and Wildlife
 California Natural Diversity Database

Query Criteria: Quad<span style=

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Anniella stebbinsi</i> southern California legless lizard	G3 S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	924 1,443	417 S:5	0	1	0	2	1	1	3	2	4	1	0
<i>Antrozous pallidus</i> pallid bat	G5 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	1,000 1,000	420 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Arizona elegans occidentalis</i> California glossy snake	G5T2 S2	None None	CDFW_SSC-Species of Special Concern	1,000 2,400	260 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Athene cunicularia</i> burrowing owl	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	695 780	1987 S:5	1	0	0	1	1	2	0	5	4	0	1
<i>Berberis nevii</i> Nevin's barberry	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden	1,310 1,310	32 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Bombus crotchii</i> Crotch bumble bee	G3G4 S1S2	None Candidate Endangered		850 1,200	234 S:3	0	0	0	0	0	3	3	0	3	0	0
<i>Buteo swainsoni</i> Swainson's hawk	G5 S3	None Threatened	BLM_S-Sensitive IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	750 750	2510 S:1	0	0	0	0	1	0	1	0	0	1	0
<i>Calochortus plummerae</i> Plummer's mariposa-lily	G4 S4	None None	Rare Plant Rank - 4.2 SB_RSABG-Rancho Santa Ana Botanic Garden	1,200 1,600	230 S:2	0	0	0	0	1	1	2	0	1	1	0



Summary Table Report
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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.		
<i>Calystegia felix</i> lucky morning-glory	G1Q S1	None None	Rare Plant Rank - 1B.1	675 675	10 S:1	0	0	0	0	0	0	0	0	1	0	1	0	0
<i>Chaetodipus fallax fallax</i> northwestern San Diego pocket mouse	G5T3T4 S3S4	None None	CDFW_SSC-Species of Special Concern	1,550 1,800	101 S:2	0	0	0	1	0	0	0	0	2	1	1	0	0
<i>Cladium californicum</i> California saw-grass	G4 S2	None None	Rare Plant Rank - 2B.2 USFS_S-Sensitive	1,400 1,400	13 S:1	0	0	0	0	1	0	0	0	0	0	0	0	1
<i>Diplectrona californica</i> California diplectronan caddisfly	G1G2 S1S2	None None		1,250 1,250	1 S:1	0	0	0	0	0	1	0	0	0	1	0	0	0
<i>Dipodomys merriami parvus</i> San Bernardino kangaroo rat	G5T1 S1	Endangered Candidate Endangered	CDFW_SSC-Species of Special Concern	1,524 1,524	81 S:1	0	0	0	0	1	0	0	0	0	0	0	1	0
<i>Dodecahema leptoceras</i> slender-horned spineflower	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden		41 S:1	0	0	0	0	1	0	0	0	0	0	0	0	1
<i>Eumops perotis californicus</i> western mastiff bat	G5T4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern WBWG_H-High Priority		296 S:2	0	0	0	0	0	2	0	0	0	2	0	0	0
<i>Horkelia cuneata var. puberula</i> mesa horkelia	G4T1 S1	None None	Rare Plant Rank - 1B.1 USFS_S-Sensitive	1,200 1,308	103 S:4	0	1	0	0	2	0	0	0	2	2	0	0	2
<i>Lasius xanthinus</i> western yellow bat	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_H-High Priority	860 860	58 S:1	0	0	0	0	0	1	0	0	0	1	0	0	0
<i>Lateralus jamaicensis coturniculus</i> California black rail	G3G4T1 S1	None Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_NT-Near Threatened NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	736 736	303 S:1	0	0	0	0	0	1	0	0	0	1	0	0	0
<i>Lepidium virginicum var. robinsonii</i> Robinson's pepper-grass	G5T3 S3	None None	Rare Plant Rank - 4.3	750 1,250	142 S:4	0	0	0	0	0	4	0	0	4	0	0	0	0



Summary Table Report

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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.	
<i>Muhlenbergia californica</i> California muhly	G4 S4	None None	Rare Plant Rank - 4.3	1,400 1,400	5 S:1	0	0	0	0	0	0	1	0	0	1	0	0
<i>Navarretia prostrata</i> prostrate vernal pool navarretia	G2 S2	None None	Rare Plant Rank - 1B.1		60 S:1	0	0	0	0	1	0	0	0	0	0	0	1
<i>Neotoma lepida intermedia</i> San Diego desert woodrat	G5T3T4 S3S4	None None	CDFW_SSC-Species of Special Concern	1,550 1,800	132 S:2	0	0	0	0	2	0	0	0	2	0	2	0
<i>Nyctinomops macrotis</i> big free-tailed bat	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_MH-Medium-High Priority	860 860	32 S:1	0	0	0	0	0	1	0	0	0	1	0	0
<i>Phrynosoma blainvillii</i> coast horned lizard	G3G4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	2,400 2,400	780 S:1	0	0	0	0	0	1	0	0	0	1	0	0
<i>Poliophtila californica californica</i> coastal California gnatcatcher	G4G5T2Q S2	Threatened None	CDFW_SSC-Species of Special Concern NABCI_YWL-Yellow Watch List	1,320 1,380	845 S:2	0	0	0	0	1	1	2	0	0	1	0	1
<i>Pseudognaphalium leucocephalum</i> white rabbit-tobacco	G4 S2	None None	Rare Plant Rank - 2B.2	1,225 1,225	62 S:1	0	0	0	0	0	1	0	0	0	1	0	0
<i>Riversidian Alluvial Fan Sage Scrub</i> Riversidian Alluvial Fan Sage Scrub	G1 S1.1	None None		1,800 1,800	30 S:1	0	0	1	0	0	0	1	0	0	1	0	0
<i>Sidalcea neomexicana</i> salt spring checkerbloom	G4 S2	None None	Rare Plant Rank - 2B.2 USFS_S-Sensitive	700 1,200	30 S:2	0	0	0	0	2	0	2	0	0	0	2	0
<i>Symphotrichum defoliatum</i> San Bernardino aster	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive USFS_S-Sensitive	700 700	102 S:4	0	0	0	0	4	0	4	0	0	0	2	2
<i>Thamnophis hammondi</i> two-striped gartersnake	G4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive	1,360 1,360	180 S:1	0	0	1	0	0	0	0	0	1	1	0	0



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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	
<i>Thysanocarpus rigidus</i> rigid fringepond	G1G2 S1	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive USFS_S-Sensitive	1,400 1,400	5 S:1	0	0	0	0	1	0	1	0	0	1	0



Summary Table Report

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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.	
<i>Abronia villosa</i> var. <i>aurita</i> chaparral sand-verbena	G5T2? S2	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive USFS_S-Sensitive	350 350	98 S:1	0	0	0	0	1	0	1	0	0	0	0	1
<i>Accipiter cooperii</i> Cooper's hawk	G5 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	1,010 1,010	118 S:1	0	0	0	0	1	0	1	1	0	0	0	0
<i>Agelaius tricolor</i> tricolored blackbird	G2G3 S1S2	None Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	599 667	955 S:3	0	0	0	0	0	3	1	2	3	0	0	0
<i>Aimophila ruficeps canescens</i> southern California rufous-crowned sparrow	G5T3 S3	None None	CDFW_WL-Watch List	700 700	230 S:1	0	0	0	0	0	1	0	1	1	0	0	0
<i>Ammodramus savannarum</i> grasshopper sparrow	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	1,500 1,500	27 S:1	0	1	0	0	0	0	0	1	1	0	0	0
<i>Aquila chrysaetos</i> golden eagle	G5 S3	None None	BLM_S-Sensitive CDF_S-Sensitive CDFW_FP-Fully Protected CDFW_WL-Watch List IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	750 1,150	321 S:3	1	2	0	0	0	0	2	1	3	0	0	0
<i>Asio otus</i> long-eared owl	G5 S3?	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	1,050 1,050	48 S:1	0	0	0	0	0	1	1	0	1	0	0	0
<i>Aspidoscelis hyperythra</i> orange-throated whiptail	G5 S2S3	None None	CDFW_WL-Watch List IUCN_LC-Least Concern USFS_S-Sensitive	734 1,000	365 S:2	0	1	1	0	0	0	1	1	2	0	0	0



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Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status		Presence	
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Astragalus brauntonii</i> Braunton's milk-vetch	G2 S2	Endangered None	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden	400 400	44 S:1	0	0	0	0	0	0	1	0	1	0	0
<i>Athene cunicularia</i> burrowing owl	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	560 670	1987 S:10	0	2	1	1	0	6	1	9	10	0	0
<i>Atriplex coulteri</i> Coulter's saltbush	G3 S1S2	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden	500 500	121 S:1	0	0	0	0	1	0	0	0	0	1	0
<i>Buteo swainsoni</i> Swainson's hawk	G5 S3	None Threatened	BLM_S-Sensitive IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	510 510	2510 S:1	0	0	0	0	1	0	0	0	0	1	0
<i>California Walnut Woodland</i> California Walnut Woodland	G2 S2.1	None None		1,100 1,400	76 S:9	0	0	0	0	9	0	9	0	9	0	0
<i>Calochortus weedii</i> var. <i>intermedius</i> intermediate mariposa-lily	G3G4T2 S2	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	600 1,639	140 S:4	0	0	2	0	2	0	2	2	4	0	0
<i>Calystegia felix</i> lucky morning-glory	G1Q S1	None None	Rare Plant Rank - 1B.1	500 675	10 S:6	0	0	0	0	1	5	1	5	5	1	0
<i>Campylorhynchus brunneicapillus sandiegensis</i> coastal cactus wren	G5T3Q S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	1,480 1,480	155 S:1	0	0	0	0	1	1	1	0	1	0	0
<i>Catostomus santaanae</i> Santa Ana sucker	G1 S1	Threatened None	AFS_TH-Threatened IUCN_VU-Vulnerable	449 449	28 S:1	0	1	0	0	0	0	0	1	1	0	0



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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.	
<i>Centromadia pungens ssp. laevis</i> smooth tarplant	G3G4T2 S2	None None	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden	600 600	126 S:1	0	0	0	0	0	0	0	1	0	1	0	0
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	G5T2T3 S1	Threatened Endangered	BLM_S-Sensitive NABCI_RWL-Red Watch List USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	500 750	156 S:3	0	0	0	0	3	0	2	1	0	0	3	0
<i>Coturnicops noveboracensis</i> yellow rail	G4 S1S2	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern NABCI_RWL-Red Watch List USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	674 674	45 S:1	0	0	0	0	0	1	1	0	1	0	0	0
<i>Crotalus ruber</i> red-diamond rattlesnake	G4 S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	900 1,100	192 S:2	0	2	0	0	0	0	0	0	2	2	0	0
<i>Dudleya multicaulis</i> many-stemmed dudleya	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	600 800	154 S:3	0	0	0	0	1	2	3	0	2	2	0	1
<i>Elanus leucurus</i> white-tailed kite	G5 S3S4	None None	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern	515 775	180 S:3	0	0	0	0	0	3	0	3	3	0	0	0
<i>Empidonax traillii eximius</i> southwestern willow flycatcher	G5T2 S1	Endangered Endangered	NABCI_RWL-Red Watch List	487 500	70 S:2	1	0	0	0	0	1	1	1	2	0	0	0
<i>Emys marmorata</i> western pond turtle	G3G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	600 880	1376 S:2	0	0	0	0	0	2	2	0	2	0	0	0
<i>Eriastrum densifolium ssp. sanctorum</i> Santa Ana River woollystar	G4T1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden		31 S:1	0	0	0	0	1	0	1	0	0	1	0	0



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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Eumops perotis californicus</i> western mastiff bat	G5T4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern WBWG_H-High Priority	296 S:1	0	0	0	0	0	0	0	1	1	0	0	0
<i>Icteria virens</i> yellow-breasted chat	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	580 580	1	0	0	0	0	0	0	0	1	0	0	0
<i>Laterallus jamaicensis coturniculus</i> California black rail	G3G4T1 S1	None Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_NT-Near Threatened NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	736 736	0	0	0	0	0	0	1	1	0	0	0	0
<i>Lepidium virginicum</i> var. <i>robinsonii</i> Robinson's pepper-grass	G5T3 S3	None None	Rare Plant Rank - 4.3	142 S:1	0	0	0	0	0	0	1	1	0	0	0	0
<i>Lithobates pipiens</i> northern leopard frog	G5 S2	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	555 555	22 S:1	0	0	0	0	0	1	1	0	0	0	0
<i>Monardella australis</i> ssp. <i>jokerstii</i> Jokerst's monardella	G4T1? S1?	None None	Rare Plant Rank - 1B.1 USFS_S-Sensitive	700 700	3 S:1	0	0	0	0	0	1	1	0	0	0	0
<i>Oncorhynchus mykiss irideus</i> pop. 10 steelhead - southern California DPS	G5T1Q S1	Endangered None	AFS_EN-Endangered	108 108	20 S:1	0	0	0	0	1	1	0	0	0	1	0
<i>Phrynosoma blainvillii</i> coast horned lizard	G3G4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	1,400 1,400	780 S:1	1	0	0	0	0	0	0	1	0	0	0
<i>Poliophtila californica californica</i> coastal California gnatcatcher	G4G5T2Q S2	Threatened None	CDFW_SSC-Species of Special Concern NABCI_YWL-Yellow Watch List	340 1,480	845 S:10	0	2	2	3	0	3	0	9	0	0	0
<i>Pseudognaphalium leucocephalum</i> white rabbit-tobacco	G4 S2	None None	Rare Plant Rank - 2B.2	500 500	62 S:1	0	0	0	0	0	1	1	0	0	0	0



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Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Sidalcea neomexicana</i> salt spring checkerbloom	G4 S2	None None	Rare Plant Rank - 2B.2 USFS_S-Sensitive	500 500	30 S:1	0	0	0	0	0	0	1	0	1	0	0
<i>Southern California Arroyo Chub/Santa Ana Sucker Stream</i> Southern California Arroyo Chub/Santa Ana Sucker Stream	GNR SNR	None None		570 570	4 S:1	0	0	0	0	0	0	1	0	1	0	0
<i>Southern Cottonwood Willow Riparian Forest</i> Southern Cottonwood Willow Riparian Forest	G3 S3.2	None None		375 610	111 S:3	0	0	1	0	0	2	3	0	3	0	0
<i>Southern Sycamore Alder Riparian Woodland</i> Southern Sycamore Alder Riparian Woodland	G4 S4	None None		660 800	230 S:5	0	0	0	0	0	5	5	0	5	0	0
<i>Southern Willow Scrub</i> Southern Willow Scrub	G3 S2.1	None None		740 740	45 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Symphotrichum defoliatum</i> San Bernardino aster	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive USFS_S-Sensitive		102 S:1	0	0	0	0	1	0	1	0	0	1	0
<i>Vireo bellii pusillus</i> least Bell's vireo	G5T2 S2	Endangered Endangered	IUCN_NT-Near Threatened NABCI_YWL-Yellow Watch List	375 950	501 S:13	2	5	4	0	0	2	0	13	13	0	0



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Query Criteria: Quad-span style= color:Red> IS (Yorba Linda (3311787))

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence			
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.	
<i>Accipiter cooperii</i> Cooper's hawk	G5 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	1,010 1,010	118 S:1	0	0	0	0	0	0	0	0	1	0	0	0
<i>Agelaius tricolor</i> tricolored blackbird	G2G3 S1S2	None Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	1,000 1,000	955 S:1	0	0	0	0	0	1	0	0	1	0	0	0
<i>Aimophila ruficeps canescens</i> southern California rufous-crowned sparrow	G5T3 S3	None None	CDFW_WL-Watch List	600 856	230 S:2	0	0	1	0	0	0	0	2	2	0	0	0
<i>Ammodramus savannarum</i> grasshopper sparrow	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	1,111 1,111	27 S:1	0	0	0	0	0	1	0	1	1	0	0	0
<i>Asio otus</i> long-eared owl	G5 S3?	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	1,050 1,050	48 S:1	0	0	0	0	0	1	0	0	1	0	0	0
<i>Bombus crotchii</i> Crotch bumble bee	G3G4 S1S2	None Candidate Endangered		500 500	234 S:1	0	0	0	0	0	1	0	0	1	0	0	0
<i>California Walnut Woodland</i> California Walnut Woodland	G2 S2.1	None None		600 1,200	76 S:13	0	2	0	0	0	11	13	0	13	0	0	0
<i>Calochortus weedii</i> var. <i>intermedius</i> intermediate mariposa-lily	G3G4T2 S2	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	680 1,250	140 S:7	0	1	0	4	0	2	3	4	7	0	0	0
<i>Campylorhynchus brunneicapillus sandiegensis</i> coastal cactus wren	G5T3Q S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	563 827	155 S:4	0	1	2	0	0	1	1	3	4	0	0	0



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Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.	
<i>Crotalus ruber</i> red-diamond rattlesnake	G4 S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	720 1,032	192 S:3	0	2	0	0	0	0	0	1	2	3	0	0
<i>Emys marmorata</i> western pond turtle	G3G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	431 900	1376 S:8	0	1	0	0	1	6	4	4	7	1	0	0
<i>Eremophila alpestris actia</i> California horned lark	G5T4Q S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	1,100 1,100	94 S:1	0	0	1	0	0	0	0	1	0	1	0	0
<i>Eriastrum densifolium ssp. sanctorum</i> Santa Ana River woollystar	G4T1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden		31 S:1	0	0	0	0	1	0	1	0	0	0	1	0
<i>Eumops perotis californicus</i> western mastiff bat	G5T4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern WBWG_H-High Priority	300 300	296 S:2	0	0	0	0	0	2	2	0	2	0	0	0
<i>Icteria virens</i> yellow-breasted chat	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	300 1,102	99 S:5	1	1	0	0	0	3	0	5	5	0	0	0
<i>Laterallus jamaicensis coturniculus</i> California black rail	G3G4T1 S1	None Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_NT-Near Threatened NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	736 736	303 S:1	0	0	0	0	0	1	1	0	1	0	0	0
<i>Lepidium virginicum var. robinsonii</i> Robinson's pepper-grass	G5T3 S3	None None	Rare Plant Rank - 4.3	817 817	142 S:1	0	0	0	0	0	1	0	1	1	0	0	0
<i>Phrynosoma blainvillii</i> coast horned lizard	G3G4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	1,300 1,361	780 S:2	0	0	0	0	0	2	1	1	2	0	0	0



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Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status		Presence	
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Polioptila californica californica</i> coastal California gnatcatcher	G4G5T2Q S2	Threatened None	CDFW_SSC-Species of Special Concern NABCI_YWL-Yellow Watch List	500 1,200	845 S:8	0	2	2	0	1	3	1	7	7	1	0
<i>Salvadora hexalepis virgulata</i> coast patch-nosed snake	G5T4 S2S3	None None	CDFW_SSC-Species of Special Concern	950 950	34 S:1	0	1	0	0	0	0	1	0	1	0	0
<i>Setophaga petechia</i> yellow warbler	G5 S3S4	None None	CDFW_SSC-Species of Special Concern USFWS_BCC-Birds of Conservation Concern	300 1,232	73 S:7	0	0	0	1	0	6	0	7	7	0	0
Southern Coast Live Oak Riparian Forest Southern Coast Live Oak Riparian Forest	G4 S4	None None		660 720	246 S:3	0	0	0	0	0	3	3	0	3	0	0
Southern Willow Scrub Southern Willow Scrub	G3 S2.1	None None		740 740	45 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Vireo bellii pusillus</i> least Bell's vireo	G5T2 S2	Endangered Endangered	IUCN_NT-Near Threatened NABCI_YWL-Yellow Watch List	300 1,100	501 S:10	1	0	3	1	0	5	1	9	10	0	0



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Query Criteria: Quad IS (San Dimas (3411717))

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Almophila ruficeps canescens</i> southern California rufous-crowned sparrow	G5T3 S3	None None	CDFW_WL-Watch List	1,100 1,100	230 S:1	0	0	1	0	0	0	0	0	1	0	0
<i>Anniella stebbinsi</i> southern California legless lizard	G3 S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	1,033 1,033	417 S:1	0	0	1	0	0	0	0	0	1	0	0
<i>Antrozous pallidus</i> pallid bat	G5 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUJCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	960 960	420 S:1	0	0	0	0	0	1	0	0	1	0	0
<i>Arizona elegans occidentalis</i> California glossy snake	G5T2 S2	None None	CDFW_SSC-Species of Special Concern	830 2,400	260 S:2	0	0	0	0	0	2	0	0	2	0	0
<i>Aspidoscelis tigris stejnegeri</i> coastal whiptail	G5T5 S3	None None	CDFW_SSC-Species of Special Concern	1,100 1,100	144 S:1	0	0	1	0	0	0	0	1	1	0	0
<i>Bombus crotchii</i> Crotch bumble bee	G3G4 S1S2	None Candidate Endangered		500 850	234 S:2	0	0	0	0	0	2	0	0	2	0	0
<i>California Walnut Woodland</i> California Walnut Woodland	G2 S2.1	None None		800 950	76 S:4	0	0	0	0	0	4	0	0	4	0	0
<i>Calochortus plummerae</i> Plummer's mariposa-lily	G4 S4	None None	Rare Plant Rank - 4.2 SB_RSABG-Rancho Santa Ana Botanic Garden	1,100 1,200	230 S:2	0	1	0	0	0	1	1	1	2	0	0
<i>Calochortus weedii</i> var. <i>intermedius</i> intermediate mariposa-lily	G3G4T2 S2	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	970 1,000	140 S:2	0	0	1	0	0	1	1	1	2	0	0
<i>Crotalus ruber</i> red-diamond rattlesnake	G4 S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	1,032 1,032	192 S:1	0	1	0	0	0	0	0	1	1	0	0



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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.	
<i>Dudleya multicaulis</i> many-stemmed dudleya	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	950 1,160	154 S:9	0	2	3	2	0	0	2	8	1	9	0	0
<i>Eumops perotis californicus</i> western mastiff bat	G5T4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern WBWG_H-High Priority	555 555	296 S:3	0	0	0	0	0	3	3	0	0	3	0	0
<i>Falco columbarius</i> merlin	G5 S3S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	720 720	37 S:1	0	0	0	0	0	1	1	0	1	0	0	0
<i>Gila orcuttii</i> arroyo chub	G2 S2	None None	AFS_VU-Vulnerable CDFW_SSC-Species of Special Concern USFS_S-Sensitive	600 600	49 S:1	0	0	0	1	0	0	0	0	1	1	0	0
<i>Horkelia cuneata var. puberula</i> mesa horkelia	G4T1 S1	None None	Rare Plant Rank - 1B.1 USFS_S-Sensitive		103 S:2	0	0	0	0	1	1	2	0	0	1	0	1
<i>Lasiurus xanthinus</i> western yellow bat	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_H-High Priority	860 860	58 S:1	0	0	0	0	1	1	1	0	0	1	0	0
<i>Lateralus jamaicensis coturniculus</i> California black rail	G3G4T1 S1	None Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_NT-Near Threatened NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	736 736	303 S:1	0	0	0	0	0	1	1	0	0	1	0	0
<i>Lepidium virginicum var. robinsonii</i> Robinson's pepper-grass	G5T3 S3	None None	Rare Plant Rank - 4.3		142 S:1	0	0	0	0	1	1	1	0	1	0	0	0
<i>Nyctinomops femorosaccus</i> pocketed free-tailed bat	G4 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_M-Medium Priority		90 S:1	0	0	0	0	0	1	1	0	1	0	0	0



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Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status		Presence	
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Nyctinomops macrotis</i> big free-tailed bat	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_MH-Medium-High Priority	860 860	32 S:1	0	0	0	0	0	0	1	1	0	0	0
<i>Phrynosoma blainvillii</i> coast horned lizard	G3G4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	2,400 2,400	780 S:1	0	0	0	0	0	1	1	0	0	0	0
<i>Polioptila californica californica</i> coastal California gnatcatcher	G4G5T2Q S2	Threatened None	CDFW_SSC-Species of Special Concern NABCI_YWL-Yellow Watch List	840 1,335	845 S:9	0	3	1	0	1	4	1	8	1	0	0
<i>Pseudognaphalium leucocephalum</i> white rabbit-tobacco	G4 S2	None None	Rare Plant Rank - 2B.2	1,225 1,225	62 S:1	0	0	0	0	0	1	1	0	0	0	0
<i>Riversidian Alluvial Fan Sage Scrub</i> Riversidian Alluvial Fan Sage Scrub	G1 S1.1	None None		820 820	30 S:1	0	0	0	0	1	0	1	0	0	0	1
<i>Senecio aphanactis</i> chaparral ragwort	G3 S2	None None	Rare Plant Rank - 2B.2	1,000 1,000	98 S:1	0	0	0	0	0	1	1	0	0	0	0
<i>Setophaga petechia</i> yellow warbler	G5 S3S4	None None	CDFW_SSC-Species of Special Concern USFWS_BCC-Birds of Conservation Concern	639 639	73 S:1	0	0	1	0	0	0	0	1	0	0	0
<i>Symphoricarum defoliatum</i> San Bernardino aster	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive USFS_S-Sensitive		102 S:1	0	0	0	0	1	0	1	0	0	1	0
<i>Taxidea taxus</i> American badger	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	560 900	590 S:2	0	0	0	0	0	2	1	1	2	0	0
<i>Vireo bellii pusillus</i> least Bell's vireo	G5T2 S2	Endangered Endangered	IUCN_NT-Near Threatened NABCI_YWL-Yellow Watch List	600 700	501 S:2	0	1	0	0	0	1	0	2	0	0	0
<i>Walnut Forest</i> Walnut Forest	G1 S1.1	None None		900 1,000	6 S:3	0	1	0	0	0	2	3	0	0	0	0



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Query Criteria: Quad> IS (Corona North (3311785))

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.	
<i>Abronia villosa</i> var. <i>aurita</i> chaparral sand-verbena	G5T2? S2	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive USFS_S-Sensitive	700 700	98 S:1	0	0	0	0	0	0	0	0	1	0	0	0
<i>Agelaius tricolor</i> tricolored blackbird	G2G3 S1S2	None Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	542 652	955 S:3	0	0	0	0	1	2	3	0	2	1	0	0
<i>Alimophila ruficeps canescens</i> southern California rufous-crowned sparrow	G5T3 S3	None None	CDFW_WL-Watch List	1,000 1,300	230 S:2	0	0	1	0	0	1	1	1	2	0	0	0
<i>Anniella stebbinsi</i> southern California legless lizard	G3 S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	988 988	417 S:1	0	1	0	0	0	0	0	1	1	0	0	0
<i>Artemisospiza belli belli</i> Bell's sage sparrow	G5T2T3 S3	None None	CDFW_WL-Watch List USFWS_BCC-Birds of Conservation Concern	1,300 1,300	61 S:1	0	0	0	0	0	1	1	0	1	0	0	0
<i>Aspidoscelis hyperythra</i> orange-throated whiptail	G5 S2S3	None None	CDFW_WL-Watch List IUCN_IC-Least Concern USFS_S-Sensitive	600 850	365 S:3	0	1	0	0	2	0	2	1	1	1	2	0
<i>Athene cunicularia</i> burrowing owl	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	470 750	1987 S:16	1	5	2	1	1	6	1	15	15	0	1	0
<i>Bombus crotchii</i> Crotch bumble bee	G3G4 S1S2	None Candidate Endangered		700 700	234 S:1	0	0	0	0	0	1	1	0	1	0	0	0
<i>Buteo swainsoni</i> Swainson's hawk	G5 S3	None Threatened	BLM_S-Sensitive IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	510 510	2510 S:1	0	0	0	0	1	0	1	0	0	1	0	0



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Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks										Population Status			Presence	
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.				
<i>Catostomus santaanae</i> Santa Ana sucker	G1 S1	Threatened None	AFS_TH-Threatened IUCN_VU-Vulnerable	520 632	28 S:3	0	0	1	0	0	0	0	0	0	2	0	0	3	0	0
<i>Centromadia pungens ssp. laevis</i> smooth tarplant	G3G4T2 S2	None None	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden	663 663	126 S:1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	G5T2T3 S1	Threatened Endangered	BLM_S-Sensitive NABCI_RWL-Red Watch List USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	510 550	156 S:2	0	0	0	0	1	1	1	1	1	1	0	0	1	1	0
<i>Coleonyx variegatus abbotti</i> San Diego banded gecko	G5T3T4 S1S2	None None	CDFW_SSC-Species of Special Concern	920 920	8 S:1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
<i>Coturnicops noveboracensis</i> yellow rail	G4 S1S2	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern NABCI_RWL-Red Watch List USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	674 674	45 S:1	0	0	0	0	0	1	1	0	0	1	0	0	1	0	0
<i>Crotalus ruber</i> red-diamond rattlesnake	G4 S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	920 920	192 S:1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
<i>Dipodomys stephensi</i> Stephens' kangaroo rat	G2 S2	Endangered Threatened	IUCN_EN-Endangered	730 840	220 S:4	0	0	1	0	0	1	2	2	2	2	0	0	3	1	0
<i>Dudleya multicaulis</i> many-stemmed dudleya	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	1,420 1,420	154 S:1	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0
<i>Empidonax traillii extimus</i> southwestern willow flycatcher	G5T2 S1	Endangered Endangered	NABCI_RWL-Red Watch List	487 500	70 S:3	2	0	0	0	0	1	1	2	1	0	0	0	3	0	0
<i>Emys marmorata</i> western pond turtle	G3G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	555 555	1376 S:1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0



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Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks										Population Status			Presence				
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.							
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i> Santa Ana River woollystar	G4T1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden	600 600	31 S:1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0		
<i>Eumops perotis californicus</i> western mastiff bat	G5T4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern WBWG_H-High Priority	700 700	296 S:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
<i>Gila orcuttii</i> arroyo chub	G2 S2	None None	AFS_VU-Vulnerable CDFW_SSC-Species of Special Concern USFS_S-Sensitive	525 525	49 S:1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
<i>Icteria virens</i> yellow-breasted chat	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	580 580	99 S:1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
<i>Lasiurus xanthinus</i> western yellow bat	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_H-High Priority	630 700	58 S:2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
<i>Lateralus jamaicensis coturniculus</i> California black rail	G3G4T1 S1	None Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_NT-Near Threatened NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	736 736	303 S:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Lepidium virginicum</i> var. <i>robinsonii</i> Robinson's pepper-grass	G5T3 S3	None None	Rare Plant Rank - 4.3	525 525	142 S:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Nyctinomops femorosaccus</i> pocketed free-tailed bat	G4 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_M-Medium Priority		90 S:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Oncorhynchus mykiss irideus</i> pop. 10 steelhead - southern California DPS	G5T1Q S1	Endangered None	AFS_EN-Endangered	108 108	20 S:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0



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Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status			Presence	
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.	
<i>Phrynosoma blainvillii</i> coast horned lizard	G3G4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	800 800	780 S:1	0	0	0	0	0	0	1	0	0	0	0	0
<i>Poliophtila californica californica</i> coastal California gnatcatcher	G4G5T2Q S2	Threatened None	CDFW_SSC-Species of Special Concern NABCI_YWL-Yellow Watch List	920 1,150	845 S:2	0	0	0	0	0	2	1	1	2	0	0	0
<i>Setophaga petechia</i> yellow warbler	G5 S3S4	None None	CDFW_SSC-Species of Special Concern USFWS_BCC-Birds of Conservation Concern	523 523	73 S:1	1	0	0	0	0	0	0	0	1	0	0	0
Southern California Arroyo Chub/Santa Ana Sucker Stream Southern California Arroyo Chub/Santa Ana Sucker Stream	GNR SNR	None None		570 570	4 S:1	0	0	0	0	0	1	0	0	1	0	0	0
Southern Cottonwood Willow Riparian Forest Southern Cottonwood Willow Riparian Forest	G3 S3.2	None None		610 610	111 S:1	0	0	0	0	0	1	1	0	1	0	0	0
Southern Sycamore Alder Riparian Woodland Southern Sycamore Alder Riparian Woodland	G4 S4	None None		700 700	230 S:1	0	0	0	0	0	1	1	0	1	0	0	0
<i>Vireo bellii pusillus</i> least Bell's vireo	G5T2 S2	Endangered Endangered	IUCN_NT-Near Threatened NABCI_YWL-Yellow Watch List	500 840	501 S:6	0	3	1	0	0	2	0	6	6	0	0	0



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Query Criteria: Quad IS (Guasti (3411715))

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status			Presence	
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.	
<i>Agelaius tricolor</i> tricolored blackbird	G2G3	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	900	955 S:1	0	0	0	0	0	0	1	1	0	1	0	0
	S1S2	Threatened				0	0	0	0	0	0	0	0	0	0	0	0
<i>Anniella stebbinsi</i> southern California legless lizard	G3	None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	863	417 S:3	0	0	0	1	2	0	0	1	2	1	2	0
	S3	None				0	0	0	0	0	0	0	0	0	0	0	0
<i>Arizona elegans occidentalis</i> California glossy snake	G5T2	None	CDFW_SSC-Species of Special Concern	795	260 S:2	0	0	0	0	0	2	2	2	0	2	0	0
	S2	None				0	0	0	0	0	0	0	0	0	0	0	0
<i>Athene cucularia</i> burrowing owl	G4	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	720	1987 S:16	0	1	2	2	2	2	9	0	16	14	1	1
	S3	None				0	0	0	0	0	0	0	0	0	0	0	0
<i>Calochortus plummerae</i> Plummer's mariposa-lily	G4	None	Rare Plant Rank - 4.2 SB_RSABG-Rancho Santa Ana Botanic Garden	900	230 S:1	0	0	0	0	0	1	1	1	0	1	0	0
	S4	None				0	0	0	0	0	0	0	0	0	0	0	0
<i>Chaetodipus fallax fallax</i> northwestern San Diego pocket mouse	G5T3T4	None	CDFW_SSC-Species of Special Concern	1,800	101 S:1	0	0	0	0	1	0	0	0	1	0	1	0
	S3S4	None				0	0	0	0	0	0	0	0	0	0	0	0
<i>Chorizanthe parryi</i> var. <i>parryi</i> Parry's spineflower	G3T2	None	Rare Plant Rank - 1B.1 BLM_S-Sensitive SB_RSABG-Rancho Santa Ana Botanic Garden USFS_S-Sensitive	1,250	150 S:1	0	0	0	0	1	0	1	0	0	0	1	0
	S2	None				0	0	0	0	0	0	0	0	0	0	0	0
<i>Ciadium californicum</i> California saw-grass	G4	None	Rare Plant Rank - 2B.2 USFS_S-Sensitive	1,400	13 S:1	0	0	0	0	1	0	1	0	0	0	0	1
	S2	None				0	0	0	0	0	0	0	0	0	0	0	0
<i>Dipodomys merriami parvus</i> San Bernardino kangaroo rat	G5T1	Endangered Candidate	CDFW_SSC-Species of Special Concern	1,050	81 S:2	0	0	0	0	2	0	2	0	0	0	2	0
	S1	Endangered				0	0	0	0	0	0	0	0	0	0	0	0



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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extrap.	Extrap.		
<i>Dipodomys stephensi</i> Stephens' kangaroo rat	G2 S2	Endangered Threatened	IUCN_EN-Endangered	730 730	220 S:1	0	0	0	0	1	0	0	0	0	1	0	0	
<i>Eumops perotis californicus</i> western mastiff bat	G5T4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern WBWG_H-High Priority	1,320 1,320	296 S:1	0	0	0	0	0	1	1	0	0	0	0	0	
<i>Horkelia cuneata var. puberula</i> mesa horkelia	G4T1 S1	None None	Rare Plant Rank - 1B.1 USFS_S-Sensitive	1,350 1,350	103 S:1	0	0	0	0	1	0	1	0	0	0	1	0	
<i>Lasius xanthinus</i> western yellow bat	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_H-High Priority	1,400 1,400	58 S:1	0	0	0	0	0	1	1	0	0	1	0	0	
<i>Lateralus jamaicensis coturniculus</i> California black rail	G3G4T1 S1	None Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_NT-Near Threatened NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	736 736	303 S:1	0	0	0	0	0	1	1	0	0	1	0	0	
<i>Muhlenbergia californica</i> California muhly	G4 S4	None None	Rare Plant Rank - 4.3	1,400 1,400	5 S:1	0	0	0	0	0	1	1	0	0	1	0	0	
<i>Navarretia prostrata</i> prostrate vernal pool navarretia	G2 S2	None None	Rare Plant Rank - 1B.1		60 S:1	0	0	0	0	1	0	1	0	0	0	0	1	
<i>Neotoma lepida intermedia</i> San Diego desert woodrat	G5T3T4 S3S4	None None	CDFW_SSC-Species of Special Concern	1,200 1,800	132 S:2	0	0	0	1	1	0	0	2	1	1	0	0	
<i>Perognathus longimembris brevinasus</i> Los Angeles pocket mouse	G5T1T2 S1S2	None None	CDFW_SSC-Species of Special Concern	1,000 1,300	70 S:4	1	1	2	0	0	0	1	3	4	0	0	0	
<i>Phacelia stellaris</i> Brand's star phacelia	G1 S1	None None	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden	1,200 1,200	15 S:1	0	0	0	0	1	0	0	1	0	1	0	1	0



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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Phrynosoma blainvillii</i> coast horned lizard	G3G4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	890 1,330	780 S:3	0	0	1	1	1	0	3	0	2	1	0
<i>Poliophtila californica californica</i> coastal California gnatcatcher	G4G5T2Q S2	Threatened None	CDFW_SSC-Species of Special Concern NABCI_YWL-Yellow Watch List	1,250 1,250	845 S:1	0	0	0	1	0	0	0	1	0	0	1
<i>Pseudognaphalium leucocephalum</i> white rabbit-tobacco	G4 S2	None None	Rare Plant Rank - 2B.2		62 S:1	0	0	0	1	0	0	1	0	0	0	1
<i>Rhaphiomidas terminatus abdominalis</i> Delhi Sands flower-loving fly	G1T1 S1	Endangered None		700 875	36 S:6	0	0	0	4	2	3	3	3	2	0	4
<i>Symphotrichum defoliatum</i> San Bernardino aster	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive USFS_S-Sensitive	1,000 1,000	102 S:2	0	0	0	1	1	2	2	0	1	0	1

Table 2 - Plants observed on the site and in the immediate surrounding area.

Common Name	Scientific Name	Location
Erodium	<i>Erodium texanum</i>	On-site & off-site
Brome grasses	<i>Bromus sp.</i>	“
Schismus	<i>Schismus barbatus</i>	“
Russian thistle	<i>Salsola tragus</i>	“
Mesquite	<i>Prosopis sp.</i>	Adjacent to site
Sunflower	<i>Helianthus sp.</i>	On-site
Buckwheat	<i>Eriogonum sp.</i>	“
Russian thistle	<i>Salsola tragus</i>	“

Table 3 - Wildlife observed on the site and those species expected to occur in surrounding area.

Common Name	Scientific Name	Location
Common raven	<i>Corvus corax</i>	On-site and in the ZOI.
Song sparrow	<i>Melospiza melodia</i>	“
California ground squirrel	<i>Spermophilus beecheyi</i>	“
Red-tailed Hawk	<i>Buteo jamecensis</i>	“
Mourning dove	<i>Zenaida macroura</i>	“
Black phoebe	<i>Sayornis nigricans</i>	Observed in surrounding area.
Western Kingbird	<i>Tyrannus verticalis</i>	“
Side-blotched lizard	<i>Uta stansburiana</i>	“

ZOI = Zone of Influence (surrounding area)

Note: The above Tables are not comprehensive lists of every plant or animal species which may occur in the area, but are a list of those common species which were identified on the site during the one-day survey, or which are relatively common in the region.

Appendix B

Certification

CERTIFICATION

I hereby certify that the statements furnished above and in the attached exhibits, present the 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. Fieldwork conducted for this assessment was performed by me or under my direct supervision. I certify that I have not signed a non-disclosure or consultant confidentiality agreement with the project applicant or applicant's representative and that I have no financial interest in the project.

Date: 9-10-2019 Signed: 
Report Author

Field Work Performed By: Randall Arnold
Principal Biologist