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**GENERAL BIOLOGICAL RESOURCES ASSESSMENT,  
HABITAT ASSESSMENT, & FOCUSED SURVEYS FOR  
CA BURROWING OWL (*ATHENE CUNICULARIA*) &  
DESERT TORTOISE (*GOPHERUS AGASSIZII*)  
FOR THE HESPERIA SOLAR PROJECT  
(R5W, T4N, SECTION 35 HESPERIA 7.5' QUAD;  
APN #0405-372-40)**

**PREPARED FOR:**

**SYCAMORE PHYSICIANS PARTNERS  
6116 CASE ROAD, NORTH RIDGEVILLE, OH 44039  
440-381-6733**

**PREPARED BY:**

**BARNETT ENVIRONMENTAL  
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530-758-9235**

**MAY 24, 2012**

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## EXECUTIVE SUMMARY

On 18 May 2012, Dr. Michael McGovern (under contract to Barnett Environmental) conducted a survey of a ±20-acre parcel southeast of the intersection of Fir and Fuente Streets in Hesperia, California in order to characterize the site's vegetation and wildlife habitat and to conduct a U.S. Fish & Wildlife Service (2010) protocol survey for desert tortoise (*Gopherus agassizi*) and CA Department of Fish & Game (1993) protocol survey for burrowing owl (*Athene cunicularia*).

The site is densely vegetated with rabbit brush in most areas, though there are some monocultures of Ephedra and desert goldenbush interspersed throughout. The few open areas on the property are covered with foxtail chess, cheat grass, and filaree, as are some of the property's margins, which also support field and tansey mustards. There were several large juniper bushes onsite, as well as the occasional *Opuntia* (i.e. beavertail) cactus.

A linear transect survey of the property (as per 1993 CDFG burrowing owl protocol) was conducted at approximately 10-meter intervals on a N-S axis (and to a distance of 40 meters on adjacent properties east and west of the site) to determine use by burrowing owls. A similar transect survey (as per 2010 FWS desert tortoise protocol) was conducted on an E-W axis across the site to determine use by desert tortoise, photo-documenting all the while, and noting vegetation composition, any wildlife species (or their sign) encountered, and meteorological conditions.

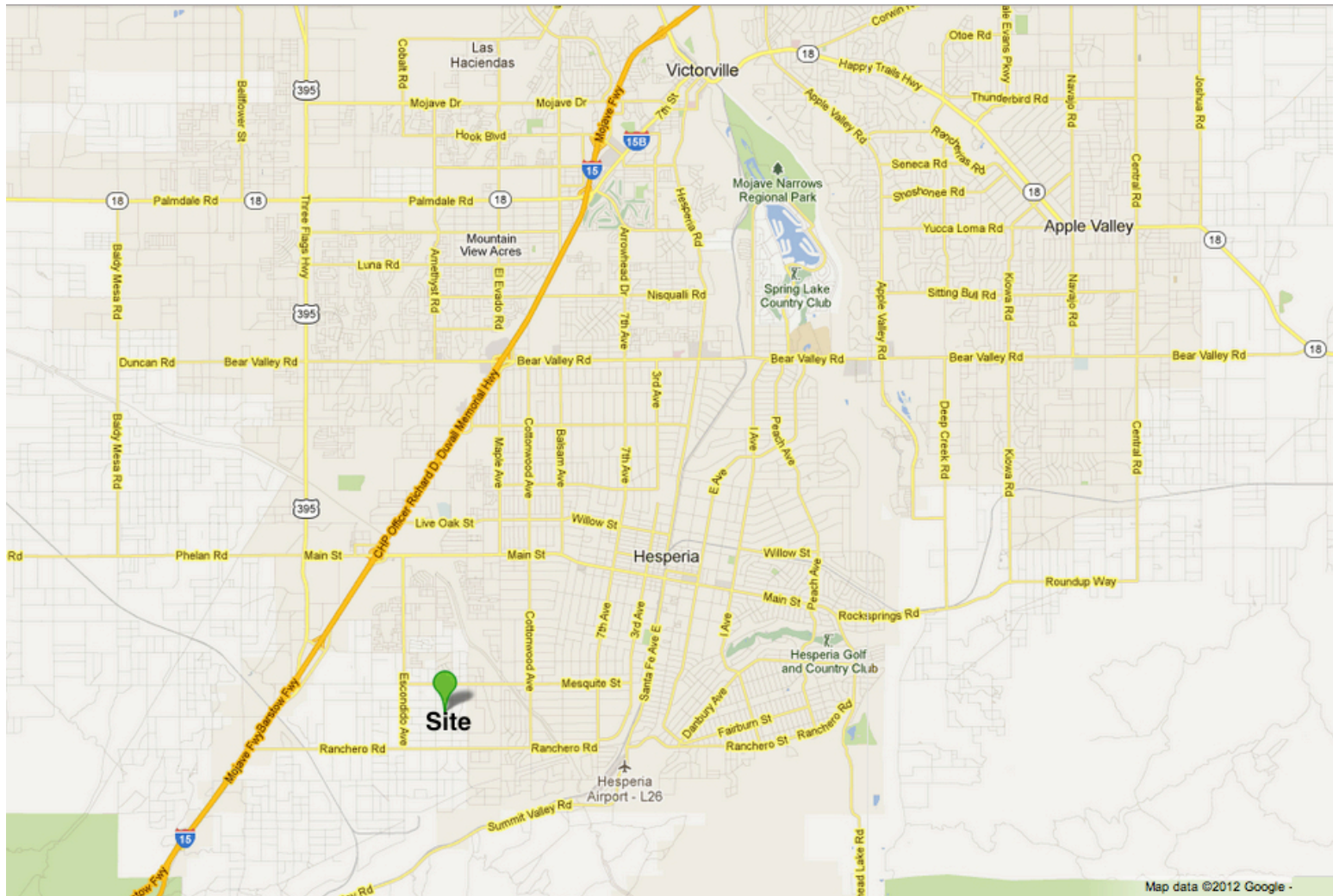
The protocol surveys revealed no burrowing owl burrows, whitewash, or individuals and no desert tortoise, burrows, scat, carcasses (partial or whole), or tracks. It is unlikely that burrowing owls occupy the site, as the brushy vegetation is fairly dense throughout, with few of the open, grassy areas preferred by the species. The habitat is likewise not optimal for the desert tortoise, which prefers the creosote bush-bursage series of Mojave desert scrub or habitat containing various species of cacti (e.g. *Opuntia* spp.), saltbush (*Atriplex* spp.) scrub, or Joshua tree (*Yucca brevifolia*) woodlands.

Several *Opuntia* (beavertail) cacti occur on the site and would be transplanted to the margins for preservation during project construction.

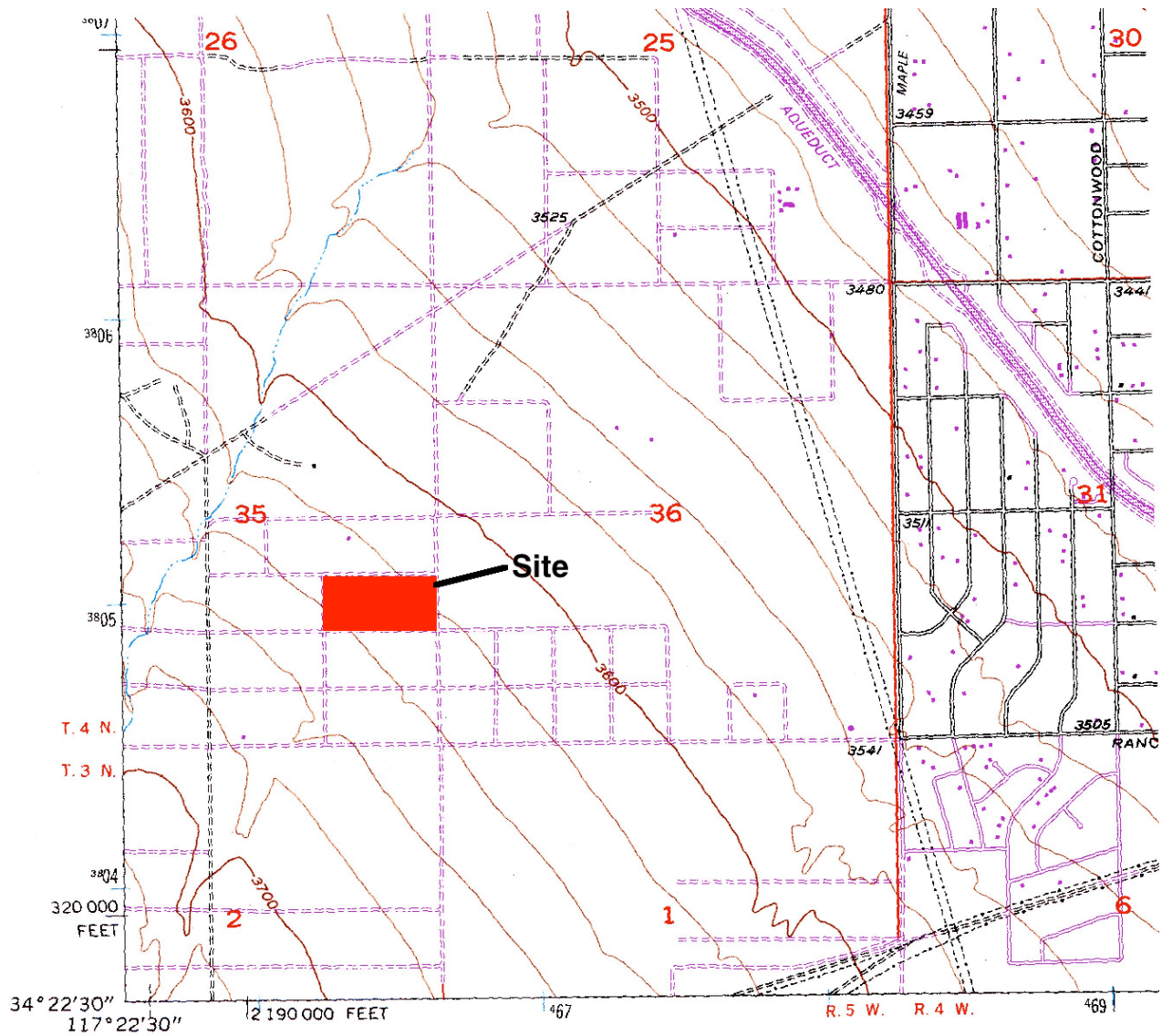
## PROJECT & PROPERTY DESCRIPTION

The Hesperia Solar Project property is an undeveloped, 20-acre parcel southeast of the corner of Fir Street and Fuente Avenue in Hesperia, CA (Figure 1; APN #0405-372-40). It lies in Section 35 (R5W, T4N) of the Hesperia U.S.G.S. 7.5' quadrangle (Figure 2). It is bounded by Bandicoot trail on the east, El Centro Street on the south, Fuente Street to the west, and Fir Street along the northern boundary. Single-family residences occur to the north and south of the site, with undeveloped desert parcels to the east and west.

The 20-acre site is relatively flat with a slight southwest aspect of one degree or less at an elevation of approximately 3,600 feet. Two shallow desert washes (containing no hydrophytic vegetation) flow across the property to the northeast – one near the southeast corner and another through the center of the site. The sandy soil supports significant brushy vegetation dominated by rabbit brush and monotonic patches of desert goldenbush and Mormon tea within these larger rabbit brush stands (see Appendix A – Site Photographs). There are occasional small, open, grassland areas along the site's margins that support foxtail chess, filaree, and cheat grass, along with field mustard (*Brassica rapa*), and tansey mustard (*Descurania Sophia*) – all typical of human disturbance. Old tires, bottles, building materials, green waste, and other trash and debris have been dumped on the property and,



**FIGURE 1 – PROJECT LOCATION (APN 0405-372-40)**



**FIGURE 2 – PROJECT LOCATION ON USGS 7.5' QUAD**



although it is not ubiquitous, it is noticeable. The surrounding dirt roads are used primarily by local residents and recreational vehicles (e.g. dirt bikes and ATVs.)

The project intent is to initially construct a 1.2 Megawatt solar photovoltaic plant onsite, with addition of another 1.5 MW over time (Figure 3). This will involve installation of fixed and ground mounted, crystalline photovoltaic modules and SMA Sunny Central 630 CP- US inverters. No single- or dual-axis trackers are proposed. The project will receive interconnection service from SCE's Floodgate 12kV circuit out of Aqueduct L5/12kV Substation via an overhead line extension to SPP 12kV, 3-phase, 3-wire switchgear. The generated power will be delivered to the SCE system at the 12kV point of interconnection. An 8-10 week construction period is anticipated, with 10 personnel passenger cars and an average of 1 delivery truck with material per week for 6 weeks.

## FOCUS OF STUDY / SPECIES OF CONCERN

A query of the CDFG California Natural Diversity Database (Appendix B), CNPS Inventory of Rare & Endangered Plants (Figure 4), and San Bernardino County Biotic Resources Map (Figure 5) revealed the potential for several species of concern at this location, including the California burrowing owl (*Athene cunicularia*), desert tortoise (*Gopherus agassizi*), and plant species such as short-joint beavertail (*Opuntia basilaris* var. *brachyclada*), Mojave paintbrush (*Castilleja plagiotoma*), and sagebrush loeflingia (*Loeflingia squarrosa* var. *artemisiarum*).

## METHODS

Dr. Michael McGovern surveyed the +20-acre Hesperia Solar site on 18 May 2012 between 6:30 AM and 5:00 PM. Temperatures during the survey period ranged from 62-79 degrees Fahrenheit with wind speeds averaging between eight and 12 miles per hour. Dr. McGovern walked the property in linear transects (as per USFWS 2010 desert tortoise and CDFG 1993 burrowing owl survey protocol) at approximately 10-meter intervals – first walking prescribed transects along a north-south axis, beginning at the southeast corner, to focus on the potential use by burrowing owls – and then walking similar 10-m transects along an east-west axis to look for use by desert tortoise. He also walked transects on the adjacent properties to the east and west of the subject property to distance of about 40 meters (single family homes occupied parcels to the north and south). During the 8.5-hour survey period, Dr. McGovern also recorded all plant and wildlife species observed and took photographs (Appendix A).

## GENERAL BIOLOGICAL SURVEY RESULTS

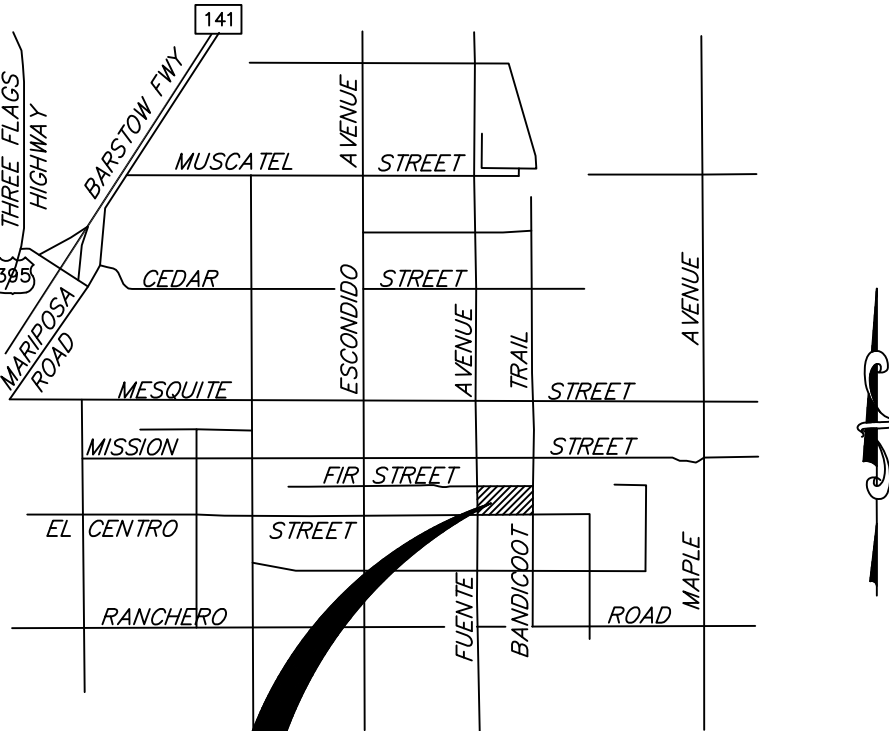
The ±20-acre site is relatively flat with a slight northeast aspect of one degree or less. Two small drainages (containing no hydrophytic vegetation) flow across the property towards the northeast – one near the southeast corner and another through the center of the site. The sandy soil supports a significant component of brushy vegetation, dominated by rabbit brush (*Chrysothamnus nauseosus*) with desert goldenbush (*Ericamaria cooperi*) and Mormon tea (*Ephedra nevadensis*) sub-dominants that occur in monotonic patches within the rabbit brush stands. Also within the site are small open grassland areas of foxtail chess (*Bromus madritensis*), filaree (*Erodium cicutarium*), cheat grass (*Bromus tectorum*), field mustard (*Brassica rapa*), and tansey mustard (*Descurania Sophia*). We observed few native flowering annuals – fiddleneck (*Amsinkia tessalata*) was poorly represented, and we saw only a single cryptantha (*Cryptantha* sp.) and Fremont phycelia (*Phycelia Fremontii*), though rattlesnake weed (*Chamaesyce albomarginata*) was moderately abundant. The reason for a



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FIGURE 3 - SITE PLAN

ROADWAY NOTES  
1.) ALL THE ROADS SURROUNDING THIS SITE ARE DIRT AND CURB, GUTTER AND SIDEWALK DOES NOT EXIST.  
2.) THE CLOSEST PAVED STREET IS ±2000' NORTH OF THE SITE, WHICH IS MESQUITE STREET.



PROJECT SITE

BENCHMARK

NATIONAL GEODETIC SURVEY BENCH MARK, DESIGNATION J 1047, PD EV434, BEING A BRASS DISC SET IN TOP OF CONCRETE MONUMENT AT N.E. CORNER OF MUSCATEL STREET AND MAPLE STREET.  
ELEV.: 3415.30 (NAVD88)

BASIS OF BEARINGS  
PARCEL MAP NO. 10577 IN THE COUNTY OF SAN BERNARDINO, CALIFORNIA, FILED SEPTEMBER 29, 1988 IN BOOK 131, PAGES 66 AND 67 OF PARCEL MAPS IN THE OFFICE OF THE RECORDER FOR SAID COUNTY WAS USED AS THE BASIS OF THE BEARINGS SHOWN HEREON.

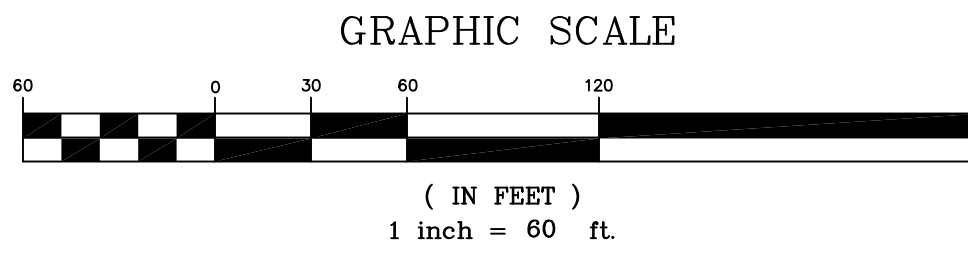
LEGAL DESCRIPTION  
THE SOUTH HALF OF THE SOUTHWEST QUARTER AND THE NORTHWEST QUARTER OF SECTION 36, TOWNSHIP 4 NORTH, RANGE 5 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA.  
APN: 0405-372-40 (±20 ACRES)

BOUNDARY NOTE  
A BOUNDARY SURVEY WAS PERFORMED BY AESI FOR THE PREPARATION OF THIS PLAN. THE BOUNDARY DIMENSIONS SHOWN HEREON WERE CALCULATED FROM THE SURVEY, AND PARCEL MAP NO. 10577, RECORDED IN PARCEL MAP BOOK 131, PAGES 66 AND 67.  
THE QUANTITY AND PLACEMENT OF PV EQUIPMENT IS APPROXIMATE.

UTILITIES  
WATER:  
SAN BERNARDINO COUNTY  
COMMUNITY SERVICE AREA (CSA) TO ZONE J  
12402 INDUSTRIAL BLVD., BUILDING D, SUITE 6  
VICTORVILLE, CA 92395  
PH: 760-955-9865  
PHONE:  
VERIZON  
TELEPHONE & CABLE  
16071 MOJAVE DRIVE, BLDG A  
VICTORVILLE, CA 92395  
PH: 760-245-0665  
CABLE:  
NO CABLE AVAILABLE IN THIS AREA  
ELECTRIC:  
SOUTHERN CALIFORNIA EDISON  
PH: 800-611-1911

ASSESSOR PARCEL NUMBER: 0405-372-40  
APPLICATION TYPE AND PROPOSED LANDUSE  
CUP FOR 2.7MW SOLAR FACILITY  
APPLICANT:  
SYCAMORE PHYSICIANS PARTNERS LLC  
6116 CASE ROAD  
NORTH RIDGEVILLE, OH 44039  
PHONE: 440-381-6733  
APPLICANT REPRESENTATIVE:  
SYCAMORE PHYSICIANS PARTNERS LLC  
CHRISTINE DUTTA  
PHONE: 330-881-1004  
Z o p  
RECORDED PROPERTY OWNER(S):  
SALVATORE BICA AND MARRETTA BICA, CO-TRUSTEES OF THE  
BICA FAMILY REVOCABLE LIVING TRUST DATED JULY 14, 2008  
PLAN PREPARER:  
ARROW ENGINEERING SERVICES INC.  
42140 TENTH STREET WEST  
LANCASTER, CA 93534  
PREPARATION DATE: 05/02/2012

S. 1/2, SW 1/4, NW 1/4, SEC. 36, T4N, R5W, S.B.M.



LEGEND  
— x — CHAIN-LINK FENCE  
— GAS — EXISTING GAS LINE  
— W — EXISTING WATER LINE  
— OH — EXISTING OVERHEAD UTILITY LINE  
— ACCESS ROADWAY (BLADED AND RECOMPACTED NATIVE MATERIAL TO 90%)



ARROW ENGINEERING SERVICES  
LANCASTER OFFICE:  
42140 TENTH STREET WEST  
LANCASTER, CA 93534  
PHONE: (661) 940-0043  
SIGNATURE: DATE: PLOT DATE: 05/02/2012  
LAS VEGAS OFFICE:  
2713 S. HIGHLAND DR. #1031  
LAS VEGAS, NV 89109  
PHONE: (702) 221-0625

REVISION BLOCK				PLAN	CITY
REV#	APPR	DATE	REVISION DESCRIPTION	APPR	ENGR

PLOT PLAN WITH PV  
CUP FOR  
2.7 MW SOLAR PV ELECTRIC FACILITY  
HESPERIA WEST 1 & 2  
APN 0405-372-40  
SAN BERNARDINO COUNTY, CA  
SHEET 1 OF 1



## Plant List

4 matches found. [Click on scientific name for details](#)

Search Criteria

Found in San Bernardino County, Found in Quad 34117D3

[Modify Search Criteria](#)
[Export to Excel](#)
[Modify Columns](#)
[Modify Sort](#)
[Display Photos](#)

Scientific Name	Common Name	Family	Lifeform	Rare Plant Rank	State Rank	Global Rank
<a href="#">Camissonia boothii ssp. boothii</a>	Booth's evening-primrose	Onagraceae	annual herb	2.3	S2	G5T4
<a href="#">Canbya candida</a>	white pygmy-poppy	Papaveraceae	annual herb	4.2	S3.2	G3
<a href="#">Castilleja plagiotoma</a>	Mojave paintbrush	Orobanchaceae	perennial herb (hemiparasitic)	4.3	S3.3	G3
<a href="#">Opuntia basilaris var. brachyclada</a>	short-joint beavertail	Cactaceae	perennial stem succulent	1B.2	S3	G5T3

### Suggested Citation

California Native Plant Society (CNPS). 2012. Inventory of Rare and Endangered Plants (online edition, v8-01a). California Native Plant Society. Sacramento, CA. Accessed on Tuesday, May 22, 2012.

4 matches found. [Click on scientific name for details](#)

Search Criteria

Found in San Bernardino County, Found in Quad 34117D4

[Modify Search Criteria](#)
[Export to Excel](#)
[Modify Columns](#)
[Modify Sort](#)
[Display Photos](#)

Scientific Name	Common Name	Family	Lifeform	Rare Plant Rank	State Rank	Global Rank
<a href="#">Castilleja plagiotoma</a>	Mojave paintbrush	Orobanchaceae	perennial herb (hemiparasitic)	4.3	S3.3	G3
<a href="#">Loeflingia squarrosa var. artemisiarum</a>	sagebrush loeflingia	Caryophyllaceae	annual herb	2.2	S2.2	G5T2T3
<a href="#">Muilla coronata</a>	crowned muilla	Themidaceae	perennial bulbiferous herb	4.2	S3.2?	G3
<a href="#">Opuntia basilaris var. brachyclada</a>	short-joint beavertail	Cactaceae	perennial stem succulent	1B.2	S3	G5T3

### Suggested Citation

California Native Plant Society (CNPS). 2012. Inventory of Rare and Endangered Plants (online edition, v8-01a). California Native Plant Society. Sacramento, CA. Accessed on Tuesday, May 22, 2012.

**FIGURE 4 – CNPS RARE PLANT INVENTORY QUERY FOR HESPERIA & BALDY MESA USGS 7.5’ QUADS**



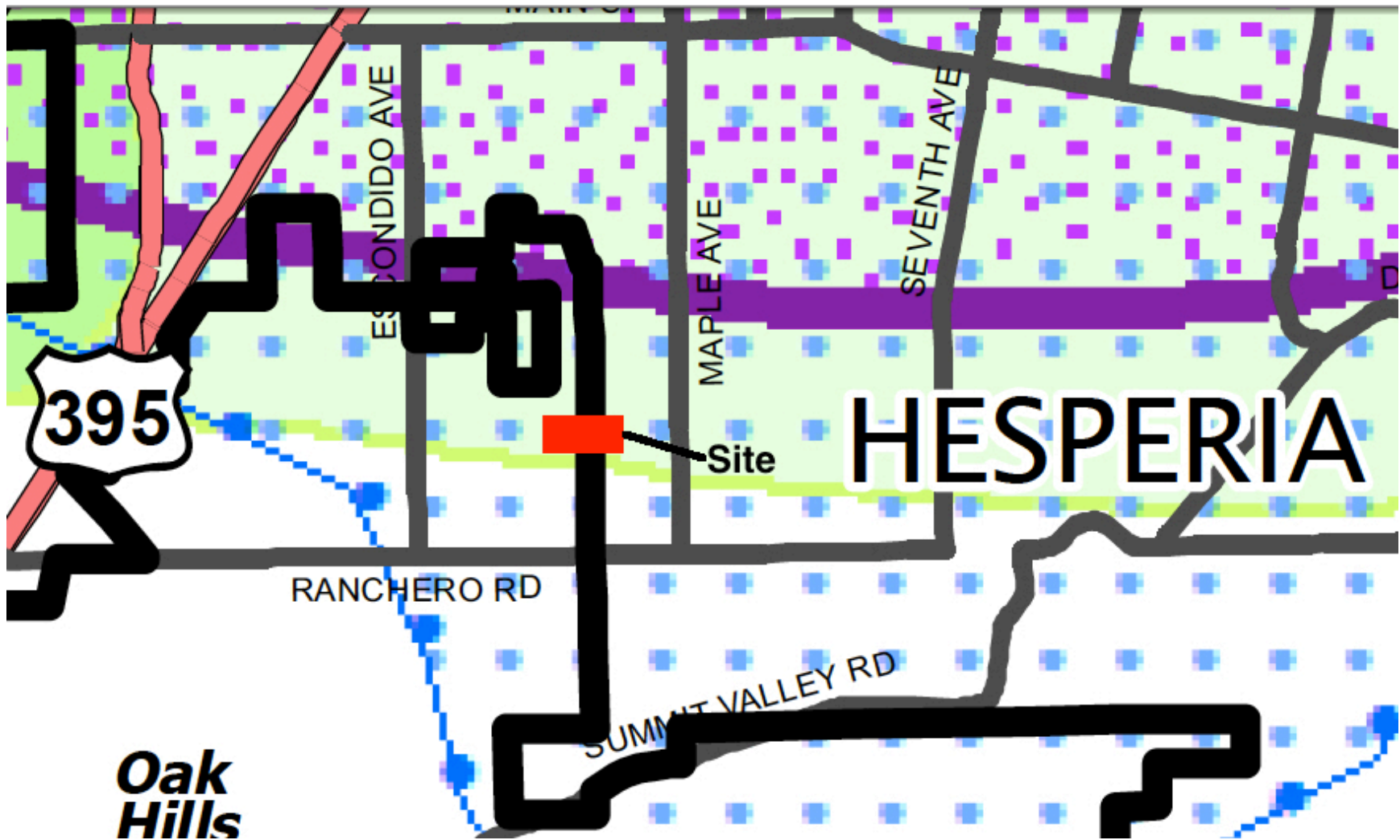


FIGURE 5 – SAN BERNADINO COUNTY BIOTIC RESOURCES MAP

paucity of annuals may be the lack of precipitation over the previous winter, with rain coming only late in the season.

The tables below list the plant and animal species observed onsite during the survey period.

**TABLE 1: PLANT SPECIES OBSERVED**

SCIENTIFIC NAME	COMMON NAME
<i>Acnatherum speciosum</i>	Desert needle grass
<i>Ambrosia acanthicarpa</i>	Annual bur sage (dead- last year)
<i>Amsinkia tessellate</i>	Fiddleneck (devil's lettuce)
<i>Brassica rapa</i>	Field mustard
<i>Bromus madritensis</i>	Foxtail chess
<i>Bromus tectorum</i>	Cheat grass
<i>Chamaesyce albomarginata</i>	Rattle snake weed
<i>Chrysothamnus nauseosus</i>	Rabbit brush
<i>Cryptantha sp.</i>	Cryptantha
<i>Descurainia sohia</i>	Tansey mustard
<i>Elymus elymoides</i>	Squirrel tail grass
<i>Ephedra nevadensis</i>	Mormon tea (Ephedra)
<i>Ericameria cooperi</i>	Desert golden bush
<i>Eriogonim fasciculatum ssp</i>	Mojave buckwheat
<i>Eriogonum sp.</i>	Species unknown (dead plant)
<i>Erodium cicutarium</i>	Filaree
<i>Juniperus californica</i>	California juniper
<i>Opuntia basilaris</i>	Beavertail cactus
<i>Phacelia fremontii</i>	Fremont phacelia
<i>Populus fremontii</i>	Cottonwood tree
<i>Salazaria mexicana</i>	Bladder sage
<i>Salsola tragus</i>	Russian thistle
<i>Salvia dorii</i>	Dori sage
<i>Tetradymia axillaries</i>	Horsebush
<i>Yucca brevifolia</i>	Joshua tree

**TABLE 2: WILDLIFE SPECIES OBSERVED**

SCIENTIFIC NAME	COMMON NAME
<b>BIRDS</b>	
<i>Amphispize belli</i>	Sage sparrow
<i>Corvus corax</i>	Raven
<i>Euphagus cyanocephalus</i>	Brewer's blackbird
<i>Lophortyx californicus</i>	California quail
<b>MAMMALS</b>	
<i>Canis latrans (scat)</i>	Coyote
<i>Lepus californicus</i>	Jack rabbit
<i>Sylvilagus bachmani</i>	Desert cottontail
<b>REPTILES</b>	
<i>Uta stansburiana</i>	Side blotched lizard



Few wildlife species were observed on the property, although the weather was ideal. Though we expected to see some of the larger, locally abundant lizards – such as whiptails – we only saw a few side-blotched lizards during the survey period. We saw no rodents and very few rodent holes on the parcel, so while there was ample evidence of their activity, their densities onsite appear to be low. Ground squirrels were particularly absent, as were ants. Only a single individual, except for a marked abundance of California quail, represented the few species of birds observed. Only one cottontail and two jackrabbits were observed during the survey and shaded resting areas under bushes, often used by rabbits during hot days, also seemed to be relatively few. A single coyote scat and one owl pellet was noted – the owl pellet contained a kangaroo rat skull.

## **RARE, ENDANGERED OR SENSITIVE SPECIES & HABITATS**

The transect survey for the burrowing owl revealed no burrows, whitewash, or owls. A similar transect survey for desert tortoise also revealed no burrows, scat, carcasses (partial or whole), or tracks of this species.

The small pockets of grassland habitat on the property do not provide burrowing owls the large areas of low vegetation or grassland to view their surroundings that the species prefers. Desert tortoises also prefer sites with more open area. Because of a lack of these – combined with adjacent residential development and traffic and frequent visitation of the site by domestic dogs – it is unlikely that either the owl or tortoise uses the area and appears to not have for some time.

While a few *Opuntia* cactus (aka short-joint beavertail; a CNPS List 1B species) were found on the site, no other special status plant species (e.g. Booth's evening primrose, sagebrush loeflingia; both CNPS List 2 species) were identified. A general infrequency of annuals detected during the field survey could be a result of low precipitation over the past winter, with most rain coming late in the season.

The primrose is normally found in Joshua tree or Pinyon and juniper woodland and therefore would not likely occur at this location. It was last recorded in 2010 from the vicinity of the Mojave River, east of Apple Valley and south of Victorville. Though the loeflingia prefers sandy habitats such as desert dunes, Great Basin or Sonoran desert scrub and has been found nearby (near the CA aqueduct, SW of the site; see Appendix B), habitat at the proposed project site is not optimal for the species.

## **IMPACTS & RECOMMENDATIONS**

The site supports a common rabbit brush scrub habitat of limited ecological value. No federally- or state-listed plant or wildlife species – or signs of their use – were found during field surveys of the site. Several short-joint beavertail (aka *Opuntia* cactus), however, were identified onsite and, as a CNPS List 2 species, impacts to these individuals should be considered during project construction. Where possible, the cacti should either be avoided or otherwise transplanted to be used as part of the landscaping along the perimeter of the project site.

## APPENDIX A – SITE PHOTOGRAPHS



APN 0405-372-40 – NW corner looking E



APN 0405-372-40 – Center of site with Mormon tea





**APN 0405-372-40 – Center of site with juniper and goldenbush**



**APN 0405-372-40 – Center of site with rabbit brush and goldenbush**





**APN 0405-372-40 – SW corner looking N**



**APN 0405-372-40 – SE corner looking W**





**APN 0405-372-40 – Desert wash in SW corner**



**APN 0405-372-40 – Short-joint beavertail cactus**



Multiple Occurrences per Page  
California Department of Fish and Game  
California Natural Diversity Database



***Accipiter cooperii***

Element Code: ABNKC12040

Cooper's hawk

<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5
	<b>State:</b> None		<b>State:</b> S3
	<b>Other:</b> DFG_WL-Watch List, IUCN_LC-Least Concern		
<b>Habitat:</b>	<b>General:</b> WOODLAND, CHIEFLY OF OPEN, INTERRUPTED OR MARGINAL TYPE.		
	<b>Micro:</b> NEST SITES MAINLY IN RIPARIAN GROWTHS OF DECIDUOUS TREES, AS IN CANYON BOTTOMS ON RIVER FLOOD-PLAINS; ALSO, LIVE OAKS.		

<b>Occurrence No.</b>	4	<b>Map Index:</b> 03390	<b>EO Index:</b> 27356	<b>Element Last Seen:</b>	1952-05-03
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1952-05-03
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1989-08-10

**Quad Summary:** Hesperia (3411743)

**County Summary:** San Bernardino

<b>Lat/Long:</b>	34.40819 / -117.32707	<b>Accuracy:</b>	1/5 mile
<b>UTM:</b>	Zone-11 N3807465 E469940	<b>Elevation (ft):</b>	3361
<b>PLSS:</b>	T04N, R04W, Sec. 29 (S)	<b>Acres:</b>	0.0

**Location:** 5 MI SW OF HESPERIA.

**Detailed Location:**

**Ecological:**

**General:** SBCM #E1528.

**Owner/Manager:** UNKNOWN

***Athene cunicularia***

Element Code: ABNSB10010

burrowing owl

<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G4
	<b>State:</b> None		<b>State:</b> S2
	<b>Other:</b> BLM_S-Sensitive, DFG_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern		
<b>Habitat:</b>	<b>General:</b> OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.		
	<b>Micro:</b> SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.		





Multiple Occurrences per Page  
California Department of Fish and Game  
California Natural Diversity Database



Occurrence No.	255	Map Index:	36996	EO Index:	31993	Element Last Seen:	1989-06-10
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-06-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-10-01
Quad Summary:	Baldy Mesa (3411744)						
County Summary:	San Bernardino						
Lat/Long:	34.40875 / -117.40379				Accuracy:	nonspecific area	
UTM:	Zone-11 N3807552 E462890				Elevation (ft):	3700	
PLSS:	T04N, R05W, Sec. 28 (S)				Acres:	166.3	
Location:	JUST WEST OF THE INTERSECTION OF HWY 395 AND JOSHUA STREET, NE OF BALDY MESA						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DISTURBED MOHAVEAN DESERT SCRUB, DOMINATED BY ERIOGONUM FASCICULATUM, CHRYSOTHAMNUS NAUSEOSUS, OPUNTIA ECHINOCARPA, AND JUNIPERUS CALIFORNICA.						
General:	1 ADULT OBSERVED/MONITORED FROM 23 MARCH-10 JUNE 1989 TO DETERMINE IF A BREEDING PAIR WAS PRESENT. BIRD WILL BE TRAPPED IN LATE JUNE BY KAREN MOSCHER (CLAREMONT COLLEGE).						
Owner/Manager:	CALTRANS						

Occurrence No.	645	Map Index:	53481	EO Index:	53481	Element Last Seen:	2004-03-22
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2004-03-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-04-21
Quad Summary:	Baldy Mesa (3411744)						
County Summary:	San Bernardino						
Lat/Long:	34.49456 / -117.39035				Accuracy:	specific area	
UTM:	Zone-11 N3817064 E464161				Elevation (ft):	3180	
PLSS:	T05N, R05W, Sec. 27 (S)				Acres:	8.1	
Location:	JUST EAST OF MESA LINDA AVENUE AND 0.2 MILE NORTH OF LUNA ROAD, VICTORVILLE						
Detailed Location:	NATAL BURROW IS IMMEDIATELY SURROUNDED BY OPEN DESERT.						
Ecological:	MOJAVE CREOSOTE BUSH SCRUB, DOMINATED BY LARREA TRIDENTATA & AMBROSIA DUMOSA, ASSOCIATES INCLUDE YUCCA BREVIFOLIA, EPHEDEA NEVADENSIS, LYCIUM ANDERSONII, & ACAMPTOPAPPUS SPHAEROCEPHALUS VAR. HIRTELLUS. SCHOOL & HOUSES TO THE SOUTH.						
General:	NATAL BURROW WITH ONE ADULT NEAR ENTRANCE OBSERVED ON 11 APR 2003. 1 ADULT OBSERVED AT THE BURROW SITE ON 22 MAR 2004.						
Owner/Manager:	PVT						



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Occurrence No.	763	Map Index:	63128	EO Index:	63220	Element Last Seen:	2007-05-06
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-05-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-12-08
Quad Summary:	Baldy Mesa (3411744)						
County Summary:	San Bernardino						
Lat/Long:	34.49799 / -117.40895				Accuracy:	specific area	
UTM:	Zone-11 N3817451 E462455				Elevation (ft):	3190	
PLSS:	T05N, R05W, Sec. 28 (S)				Acres:	11.0	
Location:	SW DOS PALMAS RD AT MESA VIEW DR, VICTORVILLE.						
Detailed Location:	ALTHOUGH THIS SITE IS CURRENTLY UNDEVELOPED, NEW HOUSING TRACTS ARE FOUND TO THE NORTH AND EAST. DISTURBANCES INCLUDE NON-NATIVE WEEDS, OHV'S, AND ILLEGAL DUMPING. BLOCK CODE 3815-460 - LOCATION CODE 07_23. MAPPED TO PROVIDED COORDINATES.						
Ecological:	HABITAT CONSISTS OF MOJAVEAN DESERT SCRUB, DOMINATED BY LARREA TRIDENTATA, AMBROSIA DUMOSA, AND OPUNTIA ECHINOCARPA, WITH SOME YUCCA BREVIFOLIA. SITE IS LEVEL, WITH SANDY-LOAM SOIL. NO GROUND SQUIRRELS DETECTED WITHIN 100 M OF 07_23.						
General:	2 ADULTS OBSERVED AT AN OLD GROUND SQUIRREL BURROW 27 OCT 2005; A THIRD OWL WAS AT A BURROW ~100M TO THE SOUTH. 2-3 OWLS SEEN IN AREA IN 2006.1 AD OBS AT A CANID BURROW (07_23); APPEARED UNMATED & WITH STRONG BURROW FIDELITY ON 6 MAY 2007.						
Owner/Manager:	PVT						

Occurrence No.	916	Map Index:	69192	EO Index:	69971	Element Last Seen:	2007-05-16
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-05-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-12-08
Quad Summary:	Hesperia (3411743)						
County Summary:	San Bernardino						
Lat/Long:	34.47873 / -117.30697				Accuracy:	specific area	
UTM:	Zone-11 N3815281 E471811				Elevation (ft):	3004	
PLSS:	T05N, R04W, Sec. 33 (S)				Acres:	9.0	
Location:	NE OF THE CORNER OF SILICA DRIVE AND 5TH AVE, VICTORVILLE.						
Detailed Location:	BLOCK CODE 3815-470 - LOCATION CODES 07_04 AND 07_06. MAPPED TO PROVIDED COORDINATES.						
Ecological:	HABITAT SURROUNDING BURROW SITES CONSISTE OF CREOSOTE SCRUB DOMINATED BY LARREA TRIDENTATA, EPHEDRA NEVADENSIS, SALAZARIA MEXICANA, & CHRYSOTHAMNUS NAUSEOSUS. SANDY-LOAM SOIL. ASPECT: NE, ON ROLLING HILLS. GROUND SQUIRRELS DETECTED IN AREA.						
General:	MALE AND FEMALE BUOW OBSERVED 3 MAY 2007. DURING A 2-HOUR SITE REVISIT ON 6 MAY 2007, 2 BREEDING PAIRS WERE CONFIRMED, WITH BURROWS ~100 METERS APART (07_04). 2 AD & 2 JUV OBS; 1 PAIR ESTIMATED AT 07_06 ON 16 MAY 2007.						
Owner/Manager:	PVT						



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<b>Occurrence No.</b>	917	<b>Map Index:</b>	69194	<b>EO Index:</b>	69973	<b>Element Last Seen:</b>	2007-04-04
<b>Occ. Rank:</b>	Good	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2007-04-04	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-07-13	

**Quad Summary:** Baldy Mesa (3411744), Adelanto (3411754)

**County Summary:** San Bernardino

<b>Lat/Long:</b>	34.50046 / -117.43041	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-11 N3817732 E460486	<b>Elevation (ft):</b>	3200
<b>PLSS:</b>	T05N, R05W, Sec. 20 (S)	<b>Acres:</b>	0.0

**Location:** 0.25 MILE EAST OF MONTA VISTA ROAD AND 0.4 MILE SOUTH OF PALMDALE ROAD (HIGHWAY 18), 7.5 MILES SW OF VICTORVILLE.

**Detailed Location:**

**Ecological:** HABITAT SURROUNDING BURROW SITES CONSISTS OF CREOSOTE/ATRIPLEX SCRUB.

**General:** 1 OWL OBSERVED ON 4 APR 2007, DURING MOHAVE GROUND SQUIRREL TRAPPING, NESTING PRESUMED.

**Owner/Manager:** PVT

<b>Occurrence No.</b>	928	<b>Map Index:</b>	69266	<b>EO Index:</b>	70048	<b>Element Last Seen:</b>	2006-11-07
<b>Occ. Rank:</b>	Fair	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2006-11-07	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2007-07-13	

**Quad Summary:** Hesperia (3411743)

**County Summary:** San Bernardino

<b>Lat/Long:</b>	34.47925 / -117.29674	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-11 N3815336 E472750	<b>Elevation (ft):</b>	3000
<b>PLSS:</b>	T05N, R04W, Sec. 33 (S)	<b>Acres:</b>	8.0

**Location:** ABOUT 3.6 MILES NORTH OF HESPERIA, 0.6 MILES NNW OF INTERSECTION OF HESPERIA RD AND BEAR VALLEY RD.

**Detailed Location:** MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE.

**Ecological:** DISTURBED CREOSOTE BUSH SCRUB. SOILS SANDY. SMALL SANDY WASH RUNNING SOUTHWEST THROUGH SITE.

**General:** BURROW SITE. 3 OWLS OBSERVED AT 3 DISTINCT ACTIVE BURROW COMPLEXES WITHIN APPROXIMATELY 100-150' OF ONE ANOTHER ON 7 NOV 2006. TWO POTENTIALLY ACTIVE BURROW COMPLEXES ALSO ON SITE.

**Owner/Manager:** PVT





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Occurrence No.	948	Map Index:	69405	EO Index:	70181	Element Last Seen:	2006-02-27
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-02-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-05-14
Quad Summary:	Baldy Mesa (3411744)						
County Summary:	San Bernardino						
Lat/Long:	34.48023 / -117.43131				Accuracy:	specific area	
UTM:	Zone-11 N3815489 E460394				Elevation (ft):	3300	
PLSS:	T05N, R05W, Sec. 32 (S)				Acres:	35.0	
Location:	0.35 MILE NW OF THE INTERSECTION OF OLIVINE ROAD AND VERBENA ROAD, 8 MILES SW OF VICTORVILLE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF CREOSOTE BUSH SCRUB DOMINATED BY LARREA TRIDENTATA & AMBROSIA DUMOSA; OTHER SPECIES INCLUDE EPHEDEA MOHAVENSIS, ERIOGONUM FASCICULATUM, YUCCA BREVIFOLIA, AND OPUNTIA SPP. SITE IS GENTLY NORTH-SLOPING; SOILS ARE ALLUVIAL.						
General:	FRESH WHITEWASH WAS OBSERVED AT THE ENTRANCE OF AN INACTIVE COYOTE BURROW ON APR 27 2005. 3 OWLS OBSERVED HUNTING ON SITE BY S. BOLAND ON 4 JUL 2005. 3 ACTIVE BURROW SITES OBSERVED, EACH WITH A SINGLE ADULT PRESENT, ON 27 FEB 2006.						
Owner/Manager:	PVT						

Occurrence No.	949	Map Index:	69406	EO Index:	70182	Element Last Seen:	2006-02-27
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-02-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-05-14
Quad Summary:	Baldy Mesa (3411744)						
County Summary:	San Bernardino						
Lat/Long:	34.47564 / -117.40257				Accuracy:	specific area	
UTM:	Zone-11 N3814970 E463031				Elevation (ft):	3300	
PLSS:	T05N, R05W, Sec. 33 (S)				Acres:	18.0	
Location:	0.4 MILE NW OF THE INTERSECTION OF BEAR VALLEY ROAD AND HIGHWAY 395, 7 MILES SW OF VICTORVILLE.						
Detailed Location:	ONE BURROW WAS RATHER ATYPICAL; RATHER THAN BEING BELOW GROUND, IT WAS MERELY AN INDENTATION BELOW A CREOSOTE BUSH.						
Ecological:	HABITAT CONSISTS OF CREOSOTE BUSH SCRUB DOMINATED BY LARREA TRIDENTATA & AMBROSIA DUMOSA; OTHER SPECIES INCLUDE EPHEDEA MOHAVENSIS, ERIOGONUM FASCICULATUM, YUCCA BREVIFOLIA, AND OPUNTIA SPP. SITE IS GENTLY NORTH-SLOPING; SOILS ARE ALLUVIAL.						
General:	BUOW WHITEWASH (NOT FRESH) OBSERVED AT THE ENTRANCE OF AN INACTIVE COYOTE BURROW ON 26 APR 2005. 3 ACTIVE BURROWS OBSERVED, EACH WITH A SINGLE ADULT PRESENT, ON 27 FEB 2006.						
Owner/Manager:	PVT						



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Occurrence No.	960	Map Index:	69439	EO Index:	70218	Element Last Seen:	2006-01-14
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2006-01-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-07-13
Quad Summary:	Hesperia (3411743)						
County Summary:	San Bernardino						
Lat/Long:	34.47185 / -117.30013				Accuracy:	80 meters	
UTM:	Zone-11 N3814516 E472437				Elevation (ft):	3023	
PLSS:	T05N, R04W, Sec. 33 (S)				Acres:	0.0	
Location:	NORTH SIDE OF BIG BEAR CUTOFF, 0.5 MILE WEST OF HESPERIA ROAD, ON THE NORTH EDGE OF HESPERIA.						
Detailed Location:							
Ecological:	HABITAT SURROUNDING BURROW CONSISTS OF CREOSOTE BUSH SCRUB DOMINATED BY LARREA TRIDENTATA, YUCCA BREVIFOLIA, EPHEDEIRA NEVADENSIS, ERIOGONUM FASCICULATUM, AND AMBROSIA DUMOSA. SOILS: BRYMAN LOAMY FINE SAND; 5-9% SLOPES.						
General:	1 OWL AND OBSERVED AT AN ACTIVE WINTER BURROW ON 14 JAN 2006, AND OWL FLEW TO OTHER BURROWS ON-SITE; MANY CALIFORNIA GROUND SQUIRREL BURROWS PRESENT.						
Owner/Manager:	PVT						

Occurrence No.	961	Map Index:	69440	EO Index:	70219	Element Last Seen:	2007-06-03
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2007-06-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-12-30
Quad Summary:	Hesperia (3411743)						
County Summary:	San Bernardino						
Lat/Long:	34.48820 / -117.32020				Accuracy:	specific area	
UTM:	Zone-11 N3816335 E470600				Elevation (ft):	3000	
PLSS:	T05N, R04W, Sec. 29 (S)				Acres:	22.0	
Location:	NE OF THE INTERSECTION OF NISQUALLI ROAD AND 9TH AVENUE, EAST OF I-15, VICTORVILLE.						
Detailed Location:	LOCATED ON A 20-ACRE PARCEL. SITE CONTAINED SEVERAL SMALL MAMMAL BURROWS WITH BUOW SIGN AT EACH BURROW. BLOCK 3815-470 - LOCATIONS 07_02, 07_03 AND 07_30. GROUND SQUIRRELS DETECTED IN AREA. MAPPED TO PROVIDED MAP AND COORDINATES.						
Ecological:	HABITAT CONSISTS OF A HIGHLY-DISTURBED DIRT LOT THAT WAS PREVIOUSLY GRADED. VEGETATION DOMINATED BY BROMUS MADRITENSIS, B. TECTORUM, AND SCHISMUS BARBATUS, WITH TRACE AMOUNTS OF LARREA TRIDENTATA, SALAZARIA MEXICANA, AND EPHEDEIRA NEVADENSIS.						
General:	1 WINTERING ADULT ON 13 DEC 2005 IN VICINITY OF WHAT APPEARED TO BE 8 USED BURROWS; LIKEY 2 TERRITORIES DURING BREEDING SEASON. 2 AD & 2 JUV OBS AT 07_02; 2 AD OBS AT 07_03; 2 AD & 1 JUV OBS AT 07_30; 1 PAIR EST AT EACH SITE 3 JUN 2007.						
Owner/Manager:	PVT						





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Occurrence No.	979	Map Index:	69652	EO Index:	70432	Element Last Seen:	2007-07-13
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2007-07-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-01-06
Quad Summary:	Baldy Mesa (3411744)						
County Summary:	San Bernardino						
Lat/Long:	34.49212 / -117.41624				Accuracy:	80 meters	
UTM:	Zone-11 N3816802 E461783				Elevation (ft):	3225	
PLSS:	T05N, R05W, Sec. 28 (S)				Acres:	0.0	
Location:	1.4 MILES SW OF ADOBE CORNERS (JUNCTION OF HIGHWAY 18 AND I-395), 7 MILES SW OF VICTORVILLE.						
Detailed Location:	BLOCK CODE 3815-460 - LOCATION CODE 07_19. MAPPED TO PROVIDED COORDINATES.						
Ecological:	HABITAT CONSISTED OF CREOSOTE BUSH SCRUB; NO GROUND SQUIRRELS DETECTED IN AREA (2007). AREA DEVELOPED TO THE EAST & SOUTH IN 2006-2008 (AERIAL IMAGES), BUT NOT DEVELOPED AT SITE IN 2009 AIR PHOTOS. MUCH VEHICULAR TRAFFIC IN AREA.						
General:	2 ADULTS & 2 JUVENILES OBSERVED ON 4 JUL 2007, DURING MOHAVE GROUND SQUIRREL TRAPPING FOR HOUSING DEVELOPMENT. ACTIVE RELOCATION OF OWLS WAS DONE ON 13 JUL 2007. UNKNOWN IF OWLS PERSIST IN AVAILABLE HABITAT. MAY BE EXTIRPATED IN FUTURE.						
Owner/Manager:	PVT						

Occurrence No.	1041	Map Index:	71314	EO Index:	72219	Element Last Seen:	2007-03-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-06-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-06-26
Quad Summary:	Baldy Mesa (3411744)						
County Summary:	San Bernardino						
Lat/Long:	34.48049 / -117.41305				Accuracy:	80 meters	
UTM:	Zone-11 N3815512 E462071				Elevation (ft):	2300	
PLSS:	T05N, R05W, Sec. 33 (S)				Acres:	0.0	
Location:	BETWEEN BELLFLOWER ST. & FREMONTIA RD, SOUTH OF NYACK RD, VICTORVILLE.						
Detailed Location:							
Ecological:	HABITAT CONSITS MOJAVE CREOSOTE BUSH SCRUB WITH LARREA TRIDENTATA & AMBROSIA DOMINATING. ASSOCIATES INCLUDE E. NEVADENSIS, A. SPHAEROCEPHALUS VAR. HIRTELLUS. SOILS: SAND, LOAMY SAND & GRAVEL. ASPECT: NORTH-NORTHEAST. SLOPE OF 0-1%.						
General:	1 ADULT OBSERVED AT BURROW SITE. OWL WAS NOT SEEN AT BURROW ON 10-14 MAY AND 25-29 JUNE 2007, OWL POSSIBLY WINTERED AT THE BURROW BUT DID NOT BREED THERE.						
Owner/Manager:	PVT						



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Occurrence No.	1042	Map Index:	71316	EO Index:	72220	Element Last Seen:	2006-02-28
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2006-02-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-05-14
Quad Summary:	Hesperia (3411743)						
County Summary:	San Bernardino						
Lat/Long:	34.44444 / -117.35103				Accuracy:	specific area	
UTM:	Zone-11 N3811493 E467752				Elevation (ft):	3320	
PLSS:	T04N, R05W, Sec. 12 (S)				Acres:	11.0	
Location:	0.29 MI WNW OF THE JUNCTION OF MAUNA LOA ST & MAPLE AVE, HESPERIA.						
Detailed Location:	BOTH BURROWS ARE MAPPED.						
Ecological:	HABITAT CONSISTS OF CREOSOTE SCRUB. SITE IS BORDERED BY EXISTING RESIDENTIAL DEVELOPMENT TO THE EAST.						
General:	TOTAL OF ONE TERRITORY OBSERVED. OWL FLUSHED OVER EXISTING HOMES TO A SECOND BURROW.						
Owner/Manager:	PVT-KB HOME						
Occurrence No.	1043	Map Index:	71318	EO Index:	72221	Element Last Seen:	2005-10-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2005-10-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-05-15
Quad Summary:	Hesperia (3411743)						
County Summary:	San Bernardino						
Lat/Long:	34.47835 / -117.30075				Accuracy:	80 meters	
UTM:	Zone-11 N3815238 E472382				Elevation (ft):	3000	
PLSS:	T05N, R04W, Sec. 33 (S)				Acres:	0.0	
Location:	0.7 MILES NW OF INTERSECTION OF HESPERIA RD AND BIG BEAR VALLEY RD, HESPERIA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF CREOSOTE SCRUB.						
General:	BURROW SITE. 1 ADULT OWL OBSERVED AT 1 TERRITORY.						
Owner/Manager:	PVT-KB HOME						



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**Asio otus**

Element Code: ABNSB13010

long-eared owl

**Listing Status:** **Federal:** None

**CNDDB Element Ranks:** **Global:** G5

**State:** None

**State:** S3

**Other:** DFG\_SSC-Species of Special Concern, IUCN\_LC-Least Concern

**Habitat:** **General:** RIPARIAN BOTTOMLANDS GROWN TO TALL WILLOWS & COTTONWOODS; ALSO, BELTS OF LIVE OAK PARALLELING STREAM COURSES.

**Micro:** REQUIRE ADJACENT OPEN LAND PRODUCTIVE OF MICE AND THE PRESENCE OF OLD NESTS OF CROWS, HAWKS, OR MAGPIES FOR BREEDING.

<b>Occurrence No.</b>	17	<b>Map Index:</b>	03424	<b>EO Index:</b>	25558	<b>Element Last Seen:</b>	1948-04-04
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1948-04-04	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		1989-08-10	

**Quad Summary:** Hesperia (3411743)

**County Summary:** San Bernardino

<b>Lat/Long:</b>	34.38276 / -117.30171	<b>Accuracy:</b>	1/5 mile
<b>UTM:</b>	Zone-11 N3804638 E472263	<b>Elevation (ft):</b>	3220
<b>PLSS:</b>	T03N, R04W, Sec. 04 (S)	<b>Acres:</b>	0.0

**Location:** 3 MI S OF HESPERIA.

**Detailed Location:**

**Ecological:**

**General:** SBCM EGG SET #8831.

**Owner/Manager:** UNKNOWN





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***Toxostoma lecontei***

Element Code: ABPBK06100

Le Conte's thrasher

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G3  
**State:** None **State:** S3  
**Other:** ABC\_WLBCC-Watch List of Birds of Conservation Concern, DFG\_SSC-Species of Special Concern, IUCN\_LC-Least Concern, USFWS\_BCC-Birds of Conservation Concern  
**Habitat:** **General:** DESERT RESIDENT; PRIMARILY OF OPEN DESERT WASH, DESERT SCRUB, ALKALI DESERT SCRUB, AND DESERT SUCCULENT SCRUB HABITATS.  
**Micro:** COMMONLY NESTS IN A DENSE, SPINY SHRUB OR DENSELY BRANCHED CACTUS IN DESERT WASH HABITAT, USUALLY 2-8 FEET ABOVE GROUND.

**Occurrence No.** 17 **Map Index:** 03433 **EO Index:** 24539 **Element Last Seen:** 1917-12-12  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1917-12-12  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Hesperia (3411743)

**County Summary:** San Bernardino

**Lat/Long:** 34.42472 / -117.29782 **Accuracy:** 1/5 mile  
**UTM:** Zone-11 N3809290 E472634 **Elevation (ft):** 3200  
**PLSS:** T04N, R04W, Sec. 21 (S) **Acres:** 0.0

**Location:** HESPERIA.

**Detailed Location:**

**Ecological:**

**General:** UCLA MUSEUM SPECIMEN #11941.

**Owner/Manager:** UNKNOWN



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***Lanius ludovicianus***

Element Code: ABPBR01030

loggerhead shrike

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G4

**State:** None

**State:** S4

**Other:** DFG\_SSC-Species of Special Concern, IUCN\_LC-Least Concern, USFWS\_BCC-Birds of Conservation Concern

**Habitat:** **General:** BROKEN WOODLANDS, SAVANNAH, PINYON-JUNIPER, JOSHUA TREE, & RIPARIAN WOODLANDS, DESERT OASES, SCRUB & WASHES.

**Micro:** PREFERS OPEN COUNTRY FOR HUNTING, WITH PERCHES FOR SCANNING, AND FAIRLY DENSE SHRUBS AND BRUSH FOR NESTING.

<b>Occurrence No.</b>	53	<b>Map Index:</b>	80994	<b>EO Index:</b>	81984	<b>Element Last Seen:</b>	2007-04-10
<b>Occ. Rank:</b>	Fair	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2007-04-10	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2010-12-31	

**Quad Summary:** Baldy Mesa (3411744)

**County Summary:** San Bernardino

<b>Lat/Long:</b>	34.45521 / -117.40419	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-11 N3812705 E462873	<b>Elevation (ft):</b>	3424
<b>PLSS:</b>	T04N, R05W, Sec. 09 (S)	<b>Acres:</b>	0.0

**Location:** 0.9 MI NNW JCT OF CA AQUEDUCT & HWY 395, WEST OF HESPERIA.

**Detailed Location:** ALONG CALIENTE ROAD, JUST SOUTH OF EUCALYPTUS STREET (GOODWIN ROAD). MAPPED ACCORDING TO PROVIDED UTM COORDINATES.

**Ecological:** SITE IS MAINLY COMPRISED OF JOSHUA TREE/CREOSOTE BUSH-NEVADA EPHEDEIRA SCRUB. VISIBLE DISTURBANCES INCLUDE INVASIVE PLANT SPECIES AND OHV USE. SURROUNDING LAND USE: OPEN AREAS AND RURAL RESIDENTIAL.

**General:** ONE PAIR WAS DETECTED FLYING FROM JOSHUA TREE ON 10 APRIL 2007. UPON FURTHER INVESTIGATION, A NEST WAS DETECTED IN THE JOSHUA TREE.

**Owner/Manager:** PVT



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***Vireo vicinior***

Element Code: ABPBW01140

gray vireo

**Listing Status:** **Federal:** None **CNDDDB Element Ranks:** **Global:** G4  
**State:** None **State:** S2  
**Other:** ABC\_WLBCC-Watch List of Birds of Conservation Concern, BLM\_S-Sensitive, DFG\_SSC-Species of Special Concern, IUCN\_LC-Least Concern, USFWS\_BCC-Birds of Conservation Concern  
**Habitat:** **General:** DRY CHAPARRAL; WEST OF DESERT, IN CHAMISE-DOMINATED HABITAT; MOUNTAINS OF MOJAVE DESERT, ASSOCIATED WITH JUNIPER & ARTEMISIA.  
**Micro:** FORAGE, NEST, AND SING IN AREAS FORMED BY A CONTINUOUS GROWTH OF TWIGGS, 1-5 FT ABOVE GROUND.

**Occurrence No.** 27 **Map Index:** 03424 **EO Index:** 24938 **Element Last Seen:** 1949-05-08  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1949-05-08  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Hesperia (3411743)

**County Summary:** San Bernardino

**Lat/Long:** 34.38276 / -117.30171 **Accuracy:** 1/5 mile  
**UTM:** Zone-11 N3804638 E472263 **Elevation (ft):** 3260  
**PLSS:** T03N, R04W, Sec. 04 (S) **Acres:** 0.0

**Location:** 3 MI S OF HESPERIA.

**Detailed Location:**

**Ecological:**

**General:** SBCM #E1020.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 34 **Map Index:** 03421 **EO Index:** 24943 **Element Last Seen:** 1937-XX-XX  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1937-XX-XX  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Hesperia (3411743)

**County Summary:** San Bernardino

**Lat/Long:** 34.42160 / -117.30158 **Accuracy:** 1/5 mile  
**UTM:** Zone-11 N3808945 E472287 **Elevation (ft):** 3200  
**PLSS:** T04N, R04W, Sec. 21 (S) **Acres:** 0.0

**Location:** HESPERIA.

**Detailed Location:**

**Ecological:**

**General:** EGGS; SBCM #5871.

**Owner/Manager:** UNKNOWN





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***Dendroica petechia brewsteri***

Element Code: ABPBX03018

yellow warbler

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G5T3?  
**State:** None **State:** S2  
**Other:** DFG\_SSC-Species of Special Concern, USFWS\_BCC-Birds of Conservation Concern  
**Habitat:** **General:** RIPARIAN PLANT ASSOCIATIONS. PREFERS WILLOWS, COTTONWOODS, ASPENS, SYCAMORES, & ALDERS FOR NESTING & FORAGING.  
**Micro:** ALSO NESTS IN MONTANE SHRUBBERY IN OPEN CONIFER FORESTS.

**Occurrence No.** 29 **Map Index:** 03321 **EO Index:** 24913 **Element Last Seen:** 1953-05-10  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1953-05-10  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1989-08-10

**Quad Summary:** Silverwood Lake (3411733), Cajon (3411734), Hesperia (3411743), Baldy Mesa (3411744)

**County Summary:** San Bernardino

**Lat/Long:** 34.37527 / -117.35977 **Accuracy:** 1 mile  
**UTM:** Zone-11 N3803825 E466922 **Elevation (ft):** 3660  
**PLSS:** T03N, R05W, Sec. 01 (S) **Acres:** 0.0

**Location:** 5 MI SW OF HESPERIA.

**Detailed Location:**

**Ecological:**

**General:** SBCM #S-2245.

**Owner/Manager:** UNKNOWN

***Xerospermophilus mohavensis***

Element Code: AMAFB05150

Mohave ground squirrel

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G2G3  
**State:** Threatened **State:** S2S3  
**Other:** BLM\_S-Sensitive, IUCN\_VU-Vulnerable  
**Habitat:** **General:** OPEN DESERT SCRUB, ALKALI SCRUB & JOSHUA TREE WOODLAND. ALSO FEEDS IN ANNUAL GRASSLANDS. RESTRICTED TO MOJAVE DESERT.  
**Micro:** PREFERS SANDY TO GRAVELLY SOILS, AVOIDS ROCKY AREAS. USES BURROWS AT BASE OF SHRUBS FOR COVER. NESTS ARE IN BURROWS.



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<b>Occurrence No.</b>	11	<b>Map Index:</b>	03300	<b>EO Index:</b>	24275	<b>Element Last Seen:</b>	1977-07-01
<b>Occ. Rank:</b>	None			<b>Presence:</b>	Extirpated	<b>Site Last Seen:</b>	1977-07-01
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2011-09-22
<b>Quad Summary:</b>	Hesperia (3411743)						
<b>County Summary:</b>	San Bernardino						
<b>Lat/Long:</b>	34.48138 / -117.36917			<b>Accuracy:</b>	2/5 mile		
<b>UTM:</b>	Zone-11 N3815595 E466100			<b>Elevation (ft):</b>	3180		
<b>PLSS:</b>	T05N, R05W, Sec. 35 (S)			<b>Acres:</b>	0.0		
<b>Location:</b>	1.9 MI ENE DUNCAN CORNERS, 5 MI SW VICTORVILLE PO.						
<b>Detailed Location:</b>	MAPPED TO WESSMAN STUDY SITE #33, T5N R5W NE1/4 SEC.35. LOCALITY STATED AS "HESPERIA, 4.2 MI N, 4 MI W; NEAR MT VIEW."						
<b>Ecological:</b>	1977: DESERT SCRUB HABITAT. DOMINANTS: EEPHEDRA NEVADENSIS, AMBROSIA DUMOSA, AND LARREA TRIDENTATA. 7% VEGETATION COVER. MUCH SMALL ROCK AND LITTER. SOILS GRAVELLY. 2008 AERIAL PHOTO SHOWS THAT THIS AREA HAS BEEN COMPLETELY DEVELOPED.						
<b>General:</b>	ONE MALE TRAPPED BY WESSMAN ON 1 JUL 1977 (LACM #75256).						
<b>Owner/Manager:</b>	PVT						
<b>Occurrence No.</b>	269	<b>Map Index:</b>	57419	<b>EO Index:</b>	21421	<b>Element Last Seen:</b>	1921-03-09
<b>Occ. Rank:</b>	None			<b>Presence:</b>	Possibly Extirpated	<b>Site Last Seen:</b>	1921-03-09
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2011-12-13
<b>Quad Summary:</b>	Hesperia (3411743)						
<b>County Summary:</b>	San Bernardino						
<b>Lat/Long:</b>	34.42696 / -117.30001			<b>Accuracy:</b>	1 mile		
<b>UTM:</b>	Zone-11 N3809538 E472433			<b>Elevation (ft):</b>	3200		
<b>PLSS:</b>	T04N, R04W, Sec. 21 (S)			<b>Acres:</b>	0.0		
<b>Location:</b>	HESPERIA.						
<b>Detailed Location:</b>	MAPPED TO STATED LOCALITY OF "HESPERIA" (HEPERIA BENCH MARK). EXACT LOCATION UNKNOWN. CLARK (1992) SUMMARIZES OTHER'S DATA, INCLUDING LACM IN DC198.						
<b>Ecological:</b>	2010 NAIP IMAGERY INDICATES THAT MUCH OF AREA HAS BEEN DEVELOPED.						
<b>General:</b>	1 MALE COLLECTED BY L.E. WYMAN ON 9 MAR 1921 (LACM #592).						
<b>Owner/Manager:</b>	UNKNOWN						



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<b>Occurrence No.</b>	318	<b>Map Index:</b>	62236	<b>EO Index:</b>	62272	<b>Element Last Seen:</b>	2005-07-13
<b>Occ. Rank:</b>	Good	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2005-07-13	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2011-11-03	

**Quad Summary:** Baldy Mesa (3411744)

**County Summary:** San Bernardino

**Lat/Long:** 34.44958 / -117.40642 **Accuracy:** 80 meters

**UTM:** Zone-11 N3812082 E462666 **Elevation (ft):** 3460

**PLSS:** T04N, R05W, Sec. 09 (S) **Acres:** 0.0

**Location:** JUST WNW OF MESA ST AT CALIENTE RD, 1.5 SSW DUNCAN CORNERS, SUNSET RIDGE (TOWN).

**Detailed Location:** CENTER OF TRAPPING GRID: 462772 E/3812060 N (NAD27/ZONE 11).

**Ecological:** HABITAT CONSISTS OF MOJAVE CREOSOTE BUSH SCRUB WITH A JOSHUA TREE OVERSTORY; DOMINATED BY LARREA TRIDENTATA AND YUCCA BREVIFOLIA. NE ASPECT; 1.7% SLOPE. SOILS OF LOAMY SAND/GRAVEL.

**General:** NONE DETECTED DURING TRAPPING IN 2004. 1 JUVENILE TRAPPED ON 13 JUL 2005 (77-ACRE SITE WAS TRAPPED FOR MGS ON 18-22 APR, 9-13 MAY, AND 11-13 JUL 2005).

**Owner/Manager:** PVT

***Gopherus agassizii***

**Element Code:** ARAAF01010

desert tortoise

**Listing Status: Federal:** Threatened

**CNDDDB Element Ranks: Global:** G4

**State:** Threatened

**State:** S2

**Other:** IUCN\_VU-Vulnerable

**Habitat: General:** MOST COMMON IN DESERT SCRUB, DESERT WASH, AND JOSHUA TREE HABITATS; OCCURS IN ALMOST EVERY DESERT HABITAT.

**Micro:** REQUIRE FRIABLE SOIL FOR BURROW AND NEST CONSTRUCTION. CREOSOTE BUSH HABITAT WITH LG ANNUAL WILDFLOWER BLOOMS PREFERRED.

<b>Occurrence No.</b>	66	<b>Map Index:</b>	72320	<b>EO Index:</b>	73283	<b>Element Last Seen:</b>	2000-06-21
<b>Occ. Rank:</b>	Good	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2000-06-21	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2008-11-25	

**Quad Summary:** Baldy Mesa (3411744)

**County Summary:** San Bernardino

**Lat/Long:** 34.39787 / -117.41674 **Accuracy:** 1/10 mile

**UTM:** Zone-11 N3806351 E461694 **Elevation (ft):** 3700

**PLSS:** T04N, R05W, Sec. 29 (S) **Acres:** 0.0

**Location:** SW OF THE JUNCTION OF BELLFLOWER ST & MESQUITE ST, HESPERIA.

**Detailed Location:**

**Ecological:** HABITAT CONSISTS OF JUNIPERUS CALIFORNICA AND YUCCA BREVIFOLIA. LOOSE SANDY SOILS WITH SIGNIFICANT SLOPES IN THE AREA. SCATTERED RESIDENTIAL AND ORV USE SURROUND LOCATION.

**General:** 1 ADULT SEEN FORAGING AT A BURROW SITE.

**Owner/Manager:** UNKNOWN

***Phrynosoma blainvillii***

**Element Code:** ARACF12100

coast horned lizard

**Listing Status: Federal:** None

**CNDDDB Element Ranks: Global:** G4G5

**State:** None

**State:** S3S4

**Other:** BLM\_S-Sensitive, DFG\_SSC-Species of Special Concern, IUCN\_LC-Least Concern, USFS\_S-Sensitive

**Habitat: General:** FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.





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**Micro:** OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, & ABUNDANT SUPPLY OF ANTS & OTHER INSECTS.

<b>Occurrence No.</b>	217	<b>Map Index:</b>	03436	<b>EO Index:</b>	28011	<b>Element Last Seen:</b>	XXXX-XX-XX
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		XXXX-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		1994-08-11	

**Quad Summary:** Hesperia (3411743)

**County Summary:** San Bernardino

<b>Lat/Long:</b>	34.48469 / -117.29572	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-11 N3815939 E472846	<b>Elevation (ft):</b>	3020
<b>PLSS:</b>	T04N, R04W, Sec. 33 (S)	<b>Acres:</b>	0.0

**Location:** 3 MI S VICTORVILLE.

**Detailed Location:**

**Ecological:**

**General:** LACM SPECIMEN. DATE OF COLLECTION UNKNOWN.

**Owner/Manager:** PVT

<b>Occurrence No.</b>	224	<b>Map Index:</b>	03148	<b>EO Index:</b>	28000	<b>Element Last Seen:</b>	XXXX-XX-XX
<b>Occ. Rank:</b>	None	<b>Presence:</b>	Extirpated	<b>Site Last Seen:</b>		1992-05-16	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Decreasing	<b>Record Last Updated:</b>		1993-01-28	

**Quad Summary:** Baldy Mesa (3411744), Phelan (3411745)

**County Summary:** San Bernardino

<b>Lat/Long:</b>	34.42675 / -117.48687	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-11 N3809582 E455264	<b>Elevation (ft):</b>	3770
<b>PLSS:</b>	T04N, R06W, Sec. 15 (S)	<b>Acres:</b>	0.0

**Location:** 5 MILES EAST OF PHELAN, APPROXIMATELY 10 MILES SW OF VICTORVILLE.

**Detailed Location:**

**Ecological:** HABITAT CONSISTS OF JUNIPER WOODLAND/SCRUB IN TRANSITION TO SINGLE FAMILY DWELLINGS.

**General:** LACM SPECIMEN; DATE OF COLLECTION UNKNOWN. IN 1992, SITE WAS IN THE ROAD GRADING/UTILITY INSTALLATION PROCESS OF DEVELOPMENT.

**Owner/Manager:** PVT



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<b>Occurrence No.</b>	782	<b>Map Index:</b>	57419	<b>EO Index:</b>	83284	<b>Element Last Seen:</b>	1919-06-27
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1919-06-27		
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2011-04-14		
<b>Quad Summary:</b>	Hesperia (3411743)						
<b>County Summary:</b>	San Bernardino						
<b>Lat/Long:</b>	34.42696 / -117.30001				<b>Accuracy:</b>	1 mile	
<b>UTM:</b>	Zone-11 N3809538 E472433				<b>Elevation (ft):</b>	3180	
<b>PLSS:</b>	T04N, R04W, Sec. 21 (S)				<b>Acres:</b>	0.0	
<b>Location:</b>	HESPERIA, SAN BERNARDINO COUNTY.						
<b>Detailed Location:</b>	SDNHM #11219-20 LOCALITY STATED AS "HESPERIA, SAN BERNARDINO COUNTY." MAPPED TO VICINITY OF HESPERIA. EXACT LOCATION IS UNKNOWN.						
<b>Ecological:</b>							
<b>General:</b>	TWO SDNHM SPECIMENS: #11219 (6/25/1919) AND #11220 (6/27/1919) COLLECTED BY F STEPHENS.						
<b>Owner/Manager:</b>	UNKNOWN						

<b>Opuntia basilaris var. brachyclada</b>				<b>Element Code:</b> PDCAC0D053	
short-joint beavertail					
<b>Listing Status:</b>	<b>Federal:</b>	None	<b>CNDDB Element Ranks:</b>	<b>Global:</b>	G5T3
	<b>State:</b>	None		<b>State:</b>	S3
	<b>Other:</b>	Rare Plant Rank - 1B.2, BLM_S-Sensitive, USFS_S-Sensitive			
<b>Habitat:</b>	<b>General:</b>	CHAPARRAL, JOSHUA TREE WOODLAND, MOJAVEAN DESERT SCRUB, PINYON-JUNIPER WOODLAND, RIPARIAN WOODLAND.			
	<b>Micro:</b>	SANDY SOIL OR COARSE, GRANITIC LOAM. 425-1800M.			

<b>Occurrence No.</b>	12	<b>Map Index:</b>	03175	<b>EO Index:</b>	21479	<b>Element Last Seen:</b>	1986-11-24
<b>Occ. Rank:</b>	Fair	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1986-11-24		
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	1998-06-12		
<b>Quad Summary:</b>	Baldy Mesa (3411744)						
<b>County Summary:</b>	San Bernardino						
<b>Lat/Long:</b>	34.39385 / -117.44768				<b>Accuracy:</b>	nonspecific area	
<b>UTM:</b>	Zone-11 N3805917 E458849				<b>Elevation (ft):</b>	3900	
<b>PLSS:</b>	T04N, R05W, Sec. 31 (S)				<b>Acres:</b>	157.6	
<b>Location:</b>	BALDY MESA, ABOUT 3 MILES NORTH OF CAJON, NORTHEAST END OF THE SAN GABRIEL MOUNTAINS.						
<b>Detailed Location:</b>	GENERAL AREA OF THIS OBSERVATION MAPPED BY HAWKES AND PITZER WITHIN THE NW 1/4 SECTION 31.						
<b>Ecological:</b>	PLANT FOUND ASSOCIATED WITH YUCCA BREVIFOLIA, JUNIPERUS CALIFORNICA, QUERCUS TURBINELLA, CEANOTHUS GREGGII AND ERIOGONUM FASCICULATUM.						
<b>General:</b>	SINGLE PLANT OBSERVED IN 1986.						
<b>Owner/Manager:</b>	UNKNOWN						



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<b>Occurrence No.</b>	13	<b>Map Index:</b>	38928	<b>EO Index:</b>	33935	<b>Element Last Seen:</b>	1991-10-27
<b>Occ. Rank:</b>	Fair			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1991-10-27
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2009-12-09
<b>Quad Summary:</b>	Silverwood Lake (3411733), Hesperia (3411743)						
<b>County Summary:</b>	San Bernardino						
<b>Lat/Long:</b>	34.37488 / -117.31117			<b>Accuracy:</b>	80 meters		
<b>UTM:</b>	Zone-11 N3803767 E471390			<b>Elevation (ft):</b>	3350		
<b>PLSS:</b>	T03N, R04W, Sec. 04 (S)			<b>Acres:</b>	0.0		
<b>Location:</b>	ANTELOPE VALLEY ABOUT 0.3 MILE SOUTHEAST OF HESPERIA AIRPORT, SOUTH OF HESPERIA.						
<b>Detailed Location:</b>	MAPPED ALONG DIRT ROAD WITHIN THE NW 1/4 SW 1/4 SECTION 4.						
<b>Ecological:</b>	CALIFORNIA JUNIPER WOODLAND WITH JUNIPERUS CALIFORNICA, CHRYSOTHAMNUS NAUSEOSUS, YUCCA BREVIFOLIA, AND HAPLOPAPPUS LINEARIFOLIUS.						
<b>General:</b>	1 PLANT OBSERVED IN 1991. MANY POPULATIONS EAST OF CAJON PASS IN VICINITY OF HORSETHIEF CYN, SUMMIT VALLEY, & MOJAVE RIVER FORKS S OF HESPERIA SHOW INTERGRADATION WITH OPUNTIA BASILARIS VAR. BASILARIS (MACKAY 1998).						
<b>Owner/Manager:</b>	UNKNOWN						
<b>Occurrence No.</b>	20	<b>Map Index:</b>	38936	<b>EO Index:</b>	33943	<b>Element Last Seen:</b>	1989-03-23
<b>Occ. Rank:</b>	Poor			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1989-03-23
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	1998-06-12
<b>Quad Summary:</b>	Baldy Mesa (3411744)						
<b>County Summary:</b>	San Bernardino						
<b>Lat/Long:</b>	34.40694 / -117.40077			<b>Accuracy:</b>	80 meters		
<b>UTM:</b>	Zone-11 N3807351 E463166			<b>Elevation (ft):</b>	3700		
<b>PLSS:</b>	T04N, R05W, Sec. 28 (S)			<b>Acres:</b>	0.0		
<b>Location:</b>	NEAR ORO GRANDE WASH, ALONG HIGHWAY 395 ABOUT 0.5 MILE NORTH OF JUNCTION WITH INTERSTATE-15, WEST OF HESPERIA.						
<b>Detailed Location:</b>	MAPPED ON WEST SIDE OF HWY 395 JUST SOUTH OF JOSHUA STREET; WITHIN THE SE 1/4 NE 1/4 SECTION 28.						
<b>Ecological:</b>	MOJAVEAN DESERT SCRUB WITH YUCCA BREVIFOLIA AND JUNIPERUS CALIFORNICA. ASSOCIATED WITH CHRYSOTHAMNUS NAUSEOSUS, ERIOGONUM FASCICULATUM, AND HAPLOPAPPUS LINEARIFOLIUS.						
<b>General:</b>	1 PLANT OBSERVED IN 1989. PLANT TO BE TRANSPLANTED AS MITIGATION FOR DEVELOPMENT OF THE REST STOP.						
<b>Owner/Manager:</b>	CALTRANS						





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Occurrence No.	93	Map Index:	77554	EO Index:	78416	Element Last Seen:	2006-10-11
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-10-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-12-23
Quad Summary:	Baldy Mesa (3411744)						
County Summary:	San Bernardino						
Lat/Long:	34.41112 / -117.43720				Accuracy:	80 meters	
UTM:	Zone-11 N3807828 E459820				Elevation (ft):	3700	
PLSS:	T04N, R05W, Sec. 30 (S)				Acres:	0.0	
Location:	JUST E OF FISH RANCH; WSW OF THE INTERSECTION OF MUSCATEL ST AND ASTER RD, BETWEEN ORO GRANDE WASH AND MANZANITA WASH.						
Detailed Location:							
Ecological:	GENTLY ROLLING HILLS WITH W-E ASPECTS. SANDY-LOAMY SOILS IN DRAINAGES TO ROCKY, DECOMPOSED GRANITE ON SLOPES. DOMINANTS INCLUDE CA JUNIPER, JOSHUA TREES, RUBBER RABBITBUSH, CA BUCKWHEAT, GREAT BASIN SAGEBRUSH.						
General:	10 PLANTS SEEN IN 2006.						
Owner/Manager:	PVT						
Occurrence No.	94	Map Index:	77555	EO Index:	78419	Element Last Seen:	2006-07-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-07-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-12-08
Quad Summary:	Cajon (3411734), Baldy Mesa (3411744)						
County Summary:	San Bernardino						
Lat/Long:	34.37658 / -117.49031				Accuracy:	specific area	
UTM:	Zone-11 N3804020 E454920				Elevation (ft):	4300	
PLSS:	T03N, R06W, Sec. 03 (S)				Acres:	4.0	
Location:	MANZANITA WASH; BETWEEN SHASTA RD AND CAUGHLIN RD, W END OF BALDY MESA.						
Detailed Location:	MAPPED BY CNDDDB AS 6 POLYGONS ACCORDING TO 2008 USFS DIGITAL DATA.						
Ecological:							
General:	SEEN IN 2006 DURING THE BALDY MESA RESTORATION AND ROUTE DESIGNATION PROJECT (AS CITED IN 2008 USFS DIGITAL DATA).						
Owner/Manager:	USFS-SAN BERNARDINO NF						



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***Loeflingia squarrosa* var. *artemisiarum***

Element Code: PDCAR0E011

sagebrush loeflingia

<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G5T2T3
	<b>State:</b> None		<b>State:</b> S2.2
	<b>Other:</b> Rare Plant Rank - 2.2, BLM_S-Sensitive		
<b>Habitat:</b>	<b>General:</b> GREAT BASIN SCRUB, SONORAN DESERT SCRUB, DESERT DUNES.		
	<b>Micro:</b> SANDY FLATS AND DUNES. SANDY AREAS AROUND CLAY SLICKS W/SARCOBATUS, ATRIPLEX, TETRADYMIA, ETC. 700-1200M.		

<b>Occurrence No.</b>	20	<b>Map Index:</b>	64626	<b>EO Index:</b>	64705	<b>Element Last Seen:</b>	2005-04-26
<b>Occ. Rank:</b>	Fair	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>			2005-04-26
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>			2006-05-04

**Quad Summary:** Baldy Mesa (3411744)

**County Summary:** San Bernardino

<b>Lat/Long:</b>	34.47415 / -117.40807	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-11 N3814806 E462526	<b>Elevation (ft):</b>	3300
<b>PLSS:</b>	T05N, R05W, Sec. 33 (S)	<b>Acres:</b>	0.0

**Location:** NORTH OF THE CALIFORNIA AQUEDUCT, ABOUT 2.6 AIRMI ENE OF WHERE BALDY MESA ROAD CROSSES AQUEDUCT, SOUTH OF ADOBE CORNERS.

**Detailed Location:** MAPPED USING UTM COORDINATES PROVIDED BY LEBERTEAUX: UTM ZONE 11 NAD27 362607E 3814610N. WITHIN THE NW 1/4 OF THE SE 1/4 OF SECTION 33.

**Ecological:** MOHAVE CREOSOTE BUSH SCRUB WITH LARREA TRIDENTATA, AMBROSIA DUMOSA, ERIOGONUM FASCICULATUM VAR. POLIOFOLIUM, EPHEDRA NEVADENSIS DOMINATING. ASSOCIATES: ACAMPTOPAPPUS SPAEROCEPHALUS VAR. HIRTELLUS, ERICAMERIA COOPERI, E. LINEARIFOLIA, ETC.

**General:** 7 PLANTS IN A 20 SQ METER AREA OBSERVED BY LEBERTEAUX IN 2005.

**Owner/Manager:** PVT



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***Camissonia boothii* ssp. *boothii***

Element Code: PDONA03052

Booth's evening-primrose

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G5T4

**State:** None

**State:** S2

**Other:** Rare Plant Rank - 2.3

**Habitat:** **General:** JOSHUA TREE WOODLAND, PINYON-JUNIPER WOODLAND.

**Micro:** 900-2400M.

<b>Occurrence No.</b>	2	<b>Map Index:</b>	57419	<b>EO Index:</b>	57435	<b>Element Last Seen:</b>	1901-XX-XX
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1901-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2004-10-15	

**Quad Summary:** Hesperia (3411743)

**County Summary:** San Bernardino

<b>Lat/Long:</b>	34.42696 / -117.30001	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-11 N3809538 E472433	<b>Elevation (ft):</b>	3100
<b>PLSS:</b>	T04N, R04W, Sec. 21 (S)	<b>Acres:</b>	0.0

**Location:** HESPERIA.

**Detailed Location:** EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB, IN THE VICINITY OF HESPERIA.

**Ecological:**

**General:** ONLY INFORMATION FOR THIS SITE IS REFERENCE TO 1901 ABRAMS COLLECTION IN RAVEN'S 1969 ARTICLE. PER WHITE & SANDERS, MORPHOLOGY SUGGESTS INTROGRESSION WITH C. BOOTHII SSP. INTERMEDIA. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	3	<b>Map Index:</b>	57423	<b>EO Index:</b>	57439	<b>Element Last Seen:</b>	1989-09-26
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1989-09-26	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2010-11-11	

**Quad Summary:** Hesperia (3411743), Victorville (3411753)

**County Summary:** San Bernardino

<b>Lat/Long:</b>	34.50033 / -117.25779	<b>Accuracy:</b>	2/5 mile
<b>UTM:</b>	Zone-11 N3817664 E476333	<b>Elevation (ft):</b>	2800
<b>PLSS:</b>	T05N, R04W, Sec. 25 (S)	<b>Acres:</b>	0.0

**Location:** YUCCA LOMA ROAD AT THE MOJAVE RIVER, APPLE VALLEY.

**Detailed Location:** EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB, IN THE VICINITY OF THE MOJAVE RIVER AND YUCCA LOMA ROAD, EAST OF APPLE VALLEY, SOUTH OF VICTORVILLE.

**Ecological:**

**General:** PRIMARY SOURCE OF INFORMATION FOR THIS SITE IS A 1989 MYERS COLLECTION. PER WHITE & SANDERS, MORPHOLOGY SUGGESTS INTROGRESSION WITH C. BOOTHII SSP. INTERMEDIA. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN





Multiple Occurrences per Page  
California Department of Fish and Game  
California Natural Diversity Database



***Canbya candida***

Element Code: PDPAP05020

white pygmy-poppy

**Listing Status:** **Federal:** None

**CNDDB Element Ranks:** **Global:** G3

**State:** None

**State:** S3.2

**Other:** Rare Plant Rank - 4.2, USFS\_S-Sensitive

**Habitat:** **General:** JOSHUA TREE WOODLAND, MOJAVEAN DESERT SCRUB.

**Micro:** SANDY PLACES. 725-1250M.

**Occurrence No.** 5 **Map Index:** 57419 **EO Index:** 868 **Element Last Seen:** 1958-04-19

**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1958-04-19

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2007-11-20

**Quad Summary:** Hesperia (3411743)

**County Summary:** San Bernardino

**Lat/Long:** 34.42696 / -117.30001 **Accuracy:** 1 mile

**UTM:** Zone-11 N3809538 E472433 **Elevation (ft):** 3200

**PLSS:** T04N, R04W, Sec. 21 (S) **Acres:** 0.0

**Location:** HESPERIA, WEST MOJAVE DESERT.

**Detailed Location:** UNABLE TO ACCURATELY MAP NEARBY COLLECTION FROM "ABOUT 2.5 MILES N OF DEEP CREEK PUBLIC CAMPGROUND, SE OF HESPERIA ON THE MOJAVE DESERT" BY PIDOT (SN, UCR).

**Ecological:**

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1958 COLLECTION BY ROOS.

**Owner/Manager:** UNKNOWN