

## DOCKETED

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<b>Project Title:</b>	Stanton Energy Reliability Center
<b>TN #:</b>	220942
<b>Document Title:</b>	Stanton Energy Reliability Center Supplemental Response to Data Request A17
<b>Description:</b>	N/A
<b>Filer:</b>	M. Finn
<b>Organization:</b>	CH2M
<b>Submitter Role:</b>	Applicant Consultant
<b>Submission Date:</b>	8/29/2017 4:42:52 PM
<b>Docketed Date:</b>	8/29/2017



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August 30, 2017

Mr. John Heiser  
Project Manager  
Siting, Transmission and Environmental Protection Division  
California Energy Commission  
1516 Ninth Street, MS-15  
Sacramento, CA 95814-5512

**Subject: Stanton Energy Reliability Center (16-AFC-1) Supplemental Response to Data Request A17**

Dear John:

Attached is a Technical Memorandum provided by Southern California Edison (SCE) and that was prepared in response to California Energy Commission Staff Data Request A17 (Set 1) for the Stanton Energy Reliability Center (16-AFC-1) Application for Certification. The memorandum has to do with biological resources of the SCE property at Barre Substation.

Please contact me at 916-798-8232 if you have questions about this matter.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Douglas M. Davy'.

Douglas M. Davy, Ph.D.  
Project Manager

Attachment

cc: Kara Miles, W Power, LLC  
Paul Cummins, Wellhead Electric Company, Inc.  
Scott Galati, Dayzen, LLC

# Biological Constraints Analysis for the Stanton Energy Reliability Center Interconnect to Southern California Edison's Barre Substation

PREPARED FOR: South California Edison (SCE)  
PREPARED BY: Hannah Buckley/CH2M HILL Engineers, Inc. (CH2M)  
Matt Kelahan/CH2M  
DATE: August 15, 2017

## Introduction

Stanton Energy Reliability Center, LLC (SERC) proposes to construct, own, and operate a hybrid electrical generating and storage facility, the Stanton Energy Reliability Center (SERC facility), in Stanton, California. SERC prepared an Application for Certification (AFC) under the California Energy Commission's 12-month licensing service. Southern California Edison (SCE) proposes to construct an interconnection between SCE's existing Barre Substation and the SERC facility (project). CH2M conducted a biological constraints analysis—including desktop analysis, habitat assessment, and reconnaissance survey—addressing the proposed interconnection. This memorandum summarizes the results of that analysis and is intended to supplement the AFC.

## Project Location

The SERC facility is located at 10711 Dale Avenue, and SCE's Barre Substation is located on an adjacent property at the intersection of Dale Avenue and West Cerritos Avenue in Stanton, California. The interconnection between the substation and the SERC will be an approximately 0.35-mile underground service. From the SERC facility, the alignment will cross Dale Avenue, run east along the north side of a railroad and within SCE property, turn north towards the eastern boundary of the substation, and then connect to existing equipment within the substation (Figure 1).

## Methods

The following subsections describe the methods used for the desktop analysis, habitat assessment, and reconnaissance survey.

### Desktop Analysis

CH2M conducted queries of the California Natural Diversity Database (CNDDDB) (California Department of Fish and Wildlife [CDFW], 2017), California Native Plant Society (CNPS) (2017) database, and U.S. Fish and Wildlife Service (USFWS) databases (USFWS, 2017a, 2017b, 2017c, and 2017d) to identify special-status plant and wildlife species and sensitive habitats potentially occurring in the Survey Area. A list of special-status species was generated using geographical information system queries of the CNDDDB and USFWS databases were conducted for the project alignment, plus a 5-mile buffer. A query of the CNPS database was conducted for the nine U.S. Geological Survey 7.5-minute quadrangles centered on the alignment. CH2M reviewed the results of these queries, biological studies included in SERC's AFC, aerial imagery, and other publicly available data. Prior to conducting the field survey, a list was prepared of special-status species and sensitive habitats potentially occurring in the Survey Area (see Attachment 1).

## Habitat Assessment and Reconnaissance Survey

On August 10, 2017, CH2M biologist Hannah Buckley conducted a habitat assessment and reconnaissance survey for the alignment, plus a 150-foot buffer (Survey Area). Conventional survey protocols, including guidelines provided by USFWS (1996), CDFW (2009) and CNPS (2001), were reviewed and implemented as appropriate. In general, a pedestrian survey was conducted by walking meandering transects spaced approximately 30 feet apart throughout the Survey Area. Inaccessible areas (e.g., railroad, peaker plant, and active substation) were surveyed using binoculars.

**Special-Status Plants and Wildlife.** The potential for special-status plant and wildlife species to occur in the Survey Area was assessed based on historical data and existing habitat. Areas with native soil and/or suitable habitat were surveyed for the presence of special-status species or sign (e.g., scat, tracks, and burrows).

**Nesting Birds.** The Survey Area was surveyed for special-status bird species and species protected by the Migratory Bird Treaty Act and California Fish and Game Code. Trees, shrubs, man-made structures, and ground surfaces were surveyed for bird nests. The survey also focused on observations of courtship and behavioral cues.

**Other Potential Environmental Issues.** Other potential environmental issues, including potential threats to air quality, water quality, cultural resources, and potentially hazardous debris, were observed incidentally and noted as appropriate.

## Results

The weather conditions at the time of the field survey are presented in Table 1.

Table 1. Weather Conditions

Date	Time (24-hour)	Project Location	Temperature (°F)	Wind (mph)	Cloud Cover (%)	Precipitation (None, Light, Moderate, Heavy)	Comments
8/10/2017	1000-1315	City of Stanton, California	78	8	10	None	Good visibility (10.0 miles); 63% humidity

Notes:

°F = degrees Fahrenheit

% = percent

mph = miles per hour

The survey results are summarized in the following subsections. Photographs can be found in Attachment 1.

### Site Description

Land uses in the immediate vicinity of the project include commercial, industrial, residential, and developed/disturbed areas. The Survey Area consists primarily of disturbed land, with relatively compacted soils and ruderal (predominantly non-native) and ornamental vegetation. The portions of the Survey Area south of Barre Substation had recently been mowed. The dominant species in these areas is yellow star thistle (*Centaurea solstitialis*).

### Special-status Plants

The Survey Area does not include habitats for special-status plants, and no special-status plants were observed. A list of plant species observed during the survey is provided as Attachment 3.



## Special-status Wildlife

The Survey Area is highly degraded and unlikely to support special-status wildlife species. No special-status wildlife or signs of special-status wildlife were observed in the Survey Area. The Survey Area lacked burrows, burrow surrogates, and fossorial mammal dens that could be used by burrowing owls or canid species. Scat from canid species, likely coyote (*Canis latrans*), was found east of the Peaker Unit and south of Barre Substation.

Common wildlife species observed within or adjacent to the Survey Area included Common Raven (*Corvus corax*), Barn Swallow (*Hirundo rustica*), House Finch (*Haemorhous mexicanus*), Mourning Dove (*Zenaida macroura*), Northern Mockingbird (*Mimus polyglottos*), White-crowned Sparrow (*Zonotrichia leucophrys*), Rock Pigeon (*Columba livia*), Brewer's Blackbird (*Euphagus cyanocephalus*), Song Sparrow (*Melospiza melodia*), Black Phoebe (*Sayornis nigricans*), California Towhee (*Melospiza crissalis*), House Sparrow (*Passer domesticus*), and Red-tailed Hawk (*Buteo jamaicensis*).

## Nesting Birds

No active bird nests (i.e., nests with birds or young) were observed in the Survey Area. Eight inactive nests were observed, seven of which are located in ornamental trees that have been planted on the west and south barriers of the Peaker Unit and one located on the southern fence line within bougainvillea (*Bougainvillea spectabilis*). One red-tailed hawk was observed repeatedly perching at the Barre substation and on adjacent towers. No raptor nests were observed in any of the towers that were in, or adjacent to, the Survey Area.

## Other Potential Environmental Issues

No other potential environmental constraints were identified.

## Summary and Recommendations

No special-status plants, special-status wildlife, or sensitive habitats were observed within the Survey Area. No impacts to special-status species are anticipated as a result of the project. If construction activities are to occur during the avian nesting season (typically February 1 to August 31), it is recommended that a preconstruction nesting bird survey take place prior to the start of construction to avoid impacting nesting birds. Since the field survey reported in this memorandum was conducted within 21 days of the end of the typical breeding season, and no active bird nests were observed, this survey may serve as clearance for nesting birds until the beginning of the 2018 breeding season.

## References

- California Department of Fish and Wildlife (CDFW). 2009. *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities*. Sacramento, California. <http://www.dfg.ca.gov/bdb/pdfs/guideplt.pdf>.
- California Department of Fish and Wildlife (CDFW). 2017. California Natural Diversity Database (CNDDB). *RareFind5*. Electronic database. <http://www.dfg.ca.gov/biogeodata/cnddb/mapsanddata.asp>. Sacramento, California.
- California Native Plant Society (CNPS). 2001. *Botanical Survey Guidelines of the California Native Plant Society*. December 9, 1983; revised June 2, 2001.
- California Native Plant Society (CNPS). 2017. *Inventory of Rare, Threatened, and Endangered Plants of California*. <http://www.rareplants.cnps.org/>.
- United States Fish and Wildlife Service (USFWS). 1996. *Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed, and Candidate Plants*. April 22.

United States Fish and Wildlife Service (USFWS). 2017a. USFWS Critical Habitat for Threatened and Endangered Species GIS Database.

United States Fish and Wildlife Service (USFWS). 2017b. Candidate Species in California based on published population data.

[http://ecos.fws.gov/tess\\_public/pub/stateListingIndividual.jsp?state=CA&status=candidate](http://ecos.fws.gov/tess_public/pub/stateListingIndividual.jsp?state=CA&status=candidate).

United States Fish and Wildlife Service (USFWS). 2017c. Species proposed for listing in California based on published population data.

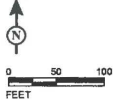
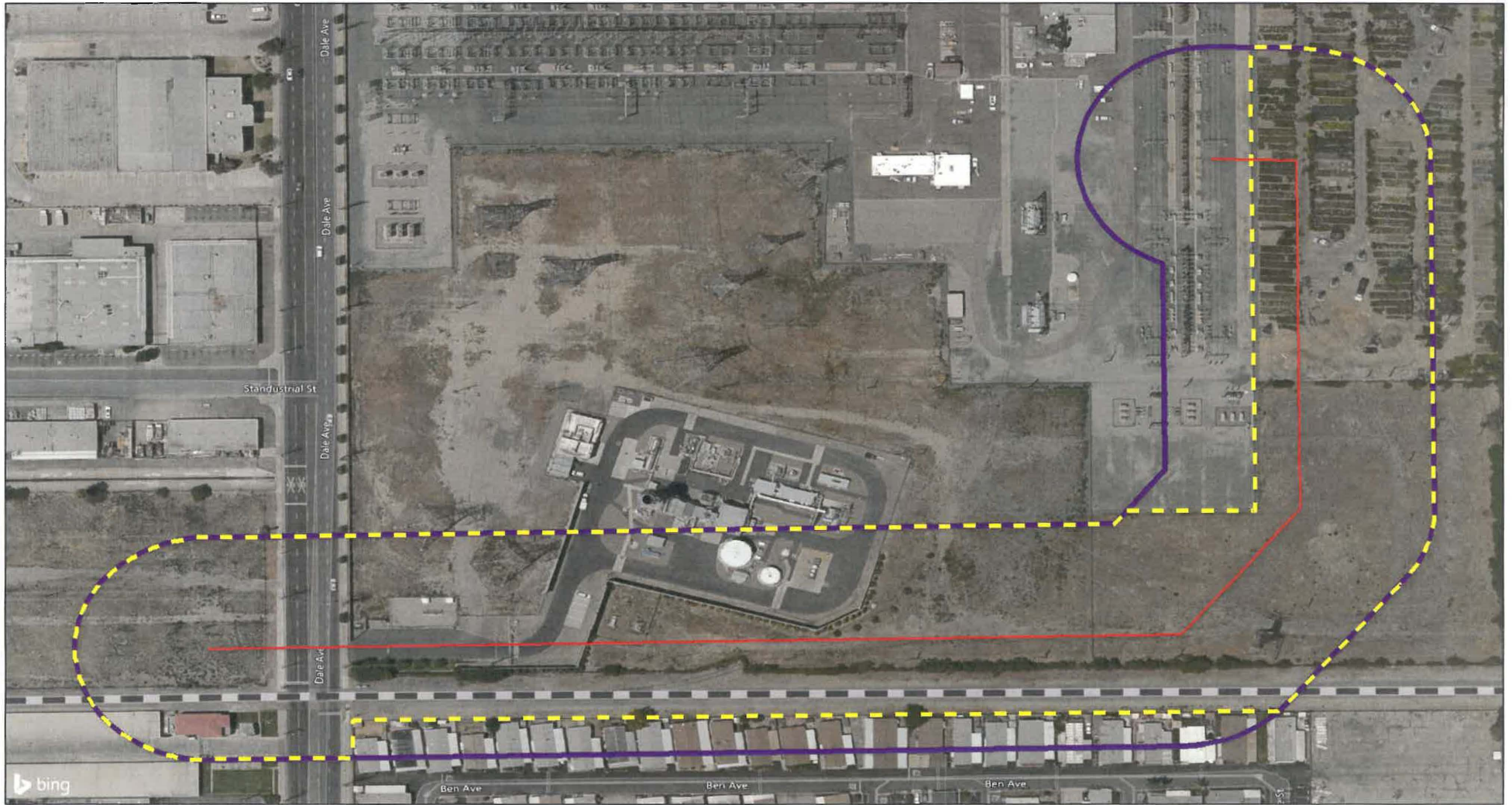
[http://ecos.fws.gov/tess\\_public/pub/stateListingIndividual.jsp?state=CA&status=proposed](http://ecos.fws.gov/tess_public/pub/stateListingIndividual.jsp?state=CA&status=proposed).

United States Fish and Wildlife Service (USFWS). 2017d. Threatened and endangered species listings and occurrences for California.

[http://ecos.fws.gov/tess\\_public/pub/stateListingAndOccurrenceIndividual.jsp?state=CA&s8fid=112761032792&s8fid=112762573902](http://ecos.fws.gov/tess_public/pub/stateListingAndOccurrenceIndividual.jsp?state=CA&s8fid=112761032792&s8fid=112762573902).

Figure 1  
Survey Area





SCE, Bing Imagery

C:\Users\lce055422\Desktop\GIS\Stanton\Stanton\_Bio\_Survey\_Map\_2017-08-14.mxd (8/14/2017)

#### LEGEND

- Project Alignment
- - - Survey Area
- 150-ft Buffer



FIGURE 1

Southern California Edison  
Stanton Reliability Center Interconnect  
**Biological Survey**  
Biological Constraints Analysis

ch2m

Attachment 1  
Special-Status Species  
with Potential to  
Occur

## ATTACHMENT 1

## Special-Status Species with Potential to Occur within the Regional Vicinity of the Stanton Energy Reliability Center

Species	Status <sup>a</sup> (Federal/ State/Other)	Habitat Requirements	Potential for Occurrence/ Nearest Identified Occurrence
<b>Plants</b>			
<b>Chaparral sand-verbena</b> <i>Abronia villosa</i> var. <i>aurita</i>	---/---/ CNPS 1B.1	Annual herb; blooms January through September. Occurs in coastal scrub and chaparral.	<b>Extirpated.</b> A historic record (1929) for this species was documented within the Santa Ana River. The population has been extirpated as a result of channelization. Suitable habitat for this species was not observed within the Survey Area.
<b>Parish's brittlescale</b> <i>Atriplex parishii</i>	---/---/ CNPS 1B.1	Annual herb; blooms July through October. Occurs in shadscale scrub, alkali sink freshwater wetlands, vernal pools and wetland-riparian habitats.	<b>Extirpated.</b> A historic record (1881) for this species was documented within the vicinity of Buena Park. Suitable habitat for this species was not observed within the Survey Area.
<b>Davidson's saltscale</b> <i>Atriplex serenana</i> var. <i>davidsonii</i>	---/---/ CNPS 1B.2	Annual herb; blooms April through October. Occurs in alkaline soil within coastal bluff scrub and coastal scrub communities.	<b>Extirpated.</b> This species was documented within the Seal Beach Naval Weapons Station in 1986. Suitable habitat for this species was not observed within the Survey Area.
<b>Southern tarplant</b> <i>Centromadia parryi</i> ssp. <i>australis</i>	---/---/ CNPS 1B.1	Annual herb; blooms May through November. Occurs in grassland and upper edges of coastal marshes, often in disturbed areas.	<b>Extirpated.</b> The only occurrence of this species within 5 miles of the Project was last documented in Bolsa Chica in 2003. There is no suitable habitat for this species within the Survey Area.
<b>Salt marsh bird's-beak</b> <i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	FE/SE/ CNPS 1B.2	Annual herb; blooms May through October. Limited distribution at the higher zones of coastal salt marsh and coastal dune habitat.	<b>Extirpated.</b> Historic occurrence records for this species have been documented within the regional vicinity; however, the populations are expected to be extirpated. Suitable habitat for this species was not observed within the Survey Area.
<b>Los Angeles sunflower</b> <i>Helianthus nuttallii</i> ssp. <i>parishii</i>	---/---/ CNPS 1A	Perennial herb; blooms August through October. Occurs in coastal marshes.	<b>Extirpated.</b> A historic occurrence record for this species was documented in Wintersburg (1924). Suitable habitat for this species was not observed within the Survey Area.
<b>Coulter's goldfields</b> <i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	---/---/ CNPS 1B.1	Annual herb; blooms July through February. Occurs in coastal marshes, playas, vernal pools and mesic grasslands.	<b>Extirpated.</b> A historic occurrence record for this species was documented in the vicinity of Cypress and is presumed to be extirpated (1932). Suitable habitat for this species was not observed within the Survey Area.

## ATTACHMENT 1

## Special-Status Species with Potential to Occur within the Regional Vicinity of the Stanton Energy Reliability Center

Species	Status <sup>a</sup> (Federal/ State/Other)	Habitat Requirements	Potential for Occurrence/ Nearest Identified Occurrence
<b>Mud nama</b> <i>Nama stenocarpa</i>	---/---/ CNPS 2B.2	Annual herb; unknown blooming period. Occurs in marshes and vernal pools.	<b>Extirpated.</b> This species has been documented within Anaheim Marsh and Fairview Park. Suitable habitat for this species was not observed within the Survey Area.
<b>Gambel's water cress</b> <i>Nasturtium gambelii</i>	FE/ST/ CNPS 1B.1	Perennial herb; blooms April through October. Occurs in freshwater and brackish marshes.	<b>Extirpated.</b> A historic record (1908) for this species has been documented within the vicinity of Huntington Beach and is presumed to be extirpated because of development. Suitable habitat for this species was not observed within the Survey Area.
<b>Coast woolly-heads</b> <i>Nemacaulis denudata</i> var. <i>denudata</i>	---/---/ CNPS 1B.2	Annual herb; blooms April through September. Occurs in coastal dunes.	<b>Extirpated.</b> This species was documented within Bolsa Chica in 2009. Suitable habitat for this species was not observed within the Survey Area.
<b>California Orcutt grass</b> <i>Orcuttia californica</i>	FE/FE/ CNPS 1B.1	Annual grass; blooms April through August. Occurs in valley grasslands, vernal pools and wetland-riparian communities.	<b>Extirpated.</b> This species was documented near Lakewood, but is presumed to be extirpated. Suitable habitat for this species was not observed within the Survey Area.
<b>Brand's star phacelia</b> <i>stellaris</i>	---/---/ CNPS 1B.1	Annual herb; blooms March through June. Occurs in coastal dunes.	<b>Extirpated.</b> This species was documented within Bryant Ranch, near Long Beach, but is presumed to be extirpated. Suitable habitat for this species was not observed within the Survey Area.
<b>Salt Spring checkerbloom</b> <i>Sidalcea neomexicana</i>	---/---/ CNPS 2B.2	Perennial herb; blooms March through June. Occurs in Creosote bush scrub, chaparral, yellow pine forest, coastal sage scrub, alkali sink and wetland-riparian.	<b>Extirpated.</b> This species was documented within Bryant Ranch, near Long Beach, but is presumed to be extirpated. Suitable habitat for this species was not observed within the Survey Area.
<b>Estuary seablite</b> <i>Suaeda esteroa</i>	---/---/ CNPS 1B.2	Perennial herb; blooms May through October. Occurs in coastal salt marshes.	<b>Extirpated.</b> This species was documented within Bolsa Chica State Beach Park in 1973. Suitable habitat for this species was not observed within the Survey Area.
<b>San Bernardino aster</b> <i>Symphyotrichum defoliatum</i>	---/---/ CNPS 1B.2	Perennial herb; blooms July through November. Occurs in seeps, marshes and mesic grasslands.	<b>Extirpated.</b> This species was near Tustin, but is presumed to be extirpated. Suitable habitat for this species was not observed within the Survey Area.



## ATTACHMENT 1

## Special-Status Species with Potential to Occur within the Regional Vicinity of the Stanton Energy Reliability Center

Species	Status <sup>a</sup> (Federal/ State/Other)	Habitat Requirements	Potential for Occurrence/ Nearest Identified Occurrence
<b>Birds</b>			
<b>Burrowing owl</b> <i>Athene cunicularia</i>	---/---/S3	Found in open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation.	<b>Extirpated.</b> This species was last observed in Orange County at Seal Beach Naval Weapons Station. Suitable habitat for this species was not observed within the Survey Area.
<b>Ferruginous hawk</b> <i>Buteo regalis</i>	---/---/S3, S4	Found in open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats.	<b>Extirpated.</b> This species was south of Los Alamitos Armed Forces Reserve Center. Suitable nesting habitat for this species was not observed within the Survey Area.
<b>Swainson's hawk</b> <i>Buteo swainsoni</i>	---/ST/ S3	Breeds in grasslands with scattered trees; requires adjacent suitable foraging areas such as grasslands supporting rodent populations.	<b>Extirpated.</b> This species was near Anaheim, but possibly extirpated. Suitable nesting habitat for this species was not observed within the Survey Area.
<b>Western yellow-billed cuckoo</b> <i>Coccyzus americanus occidentalis</i>	FT/ SE / S1	Found nesting in riparian forest, along the broad, lower flood-bottoms of larger river systems.	<b>Extirpated.</b> This species was near Anaheim, but extensive development since the date of observation has eliminated nesting and foraging habitat. Suitable habitat for this species was not observed within the Survey Area.
<b>Least Bell's vireo</b> <i>Vireo bellii pusillus</i>	FE/ SE / S1	Found in low riparian in vicinity of water or in dry river bottoms, below 2,000 ft.	<b>Extirpated.</b> The species was near Cerritos, occurrence is likely extirpated. Suitable nesting habitat for this species was not observed within the Survey Area.
<b>Mammals</b>			
<b>Western mastiff bat</b> <i>Eumops perotis californicus</i>	---/---/S3, S4	Found in conifer deciduous woodlands, coastal scrub, grasslands, chaparral, etc.	<b>Extirpated.</b> This species was documented in the vicinity of Buena Park in 1990. Suitable cliff, tunnel, high building or tree roosting habitat for this species was not observed within the Survey Area.



ATTACHMENT 1

Special-Status Species with Potential to Occur within the Regional Vicinity of the Stanton Energy Reliability Center

Species	Status <sup>a</sup> (Federal/ State/Other)	Habitat Requirements	Potential for Occurrence/ Nearest Identified Occurrence
<b>Reptiles</b>			
<b>Western pond turtle</b> <i>Emys marmorata</i>	---/---/S3	An aquatic turtle of ponds, streams, irrigation ditches, below 6,000-foot elevation.	<b>Extirpated.</b> This species was documented east of the city limits of Long Beach, in 1987. The species requires sandy banks or grassy open fields at least 0.5 km from water. Suitable habitat for this species was not observed within the Survey Area.
<b>Invertebrates</b>			
<b>Crotch bumble bee</b> <i>Bombus crotchii</i>	---/---/S1, S2	Found in coastal California, east to the Sierra-Cascade Crest and south into Mexico.	<b>Extirpated.</b> This species was documented in the general vicinity of Fullerton. Suitable habitat for this species was not observed within the Survey Area.
<b>Western tidal-flat tiger beetle</b> <i>Cicindela gabbii</i>	---/---/ S1	Generally, found on dark-colored mud in the lower zone; occasionally found on dry saline flats of estuaries.	<b>Extirpated.</b> This species is presumed to be extant. Suitable habitat for this species was not observed within the Survey Area.

Sources:

California Department of Fish and Wildlife (CDFW). 2017. California Natural Diversity Database (CNDDB). Search within 5 miles. July.

<sup>a</sup> Key to Status Designations:

**Federal Designations:**

(FE) Federally Endangered, (FT) Federally Threatened, (FPE) Federally Proposed Endangered, (FPT) Federally Proposed Threatened, (FSC) Species of Concern, (FC) Candidate

**State Designations:**

(SE) State Endangered, (ST) State Threatened, (SR) State Rare, (SSC) Species of Special Concern, (CFP) Fully Protected Species

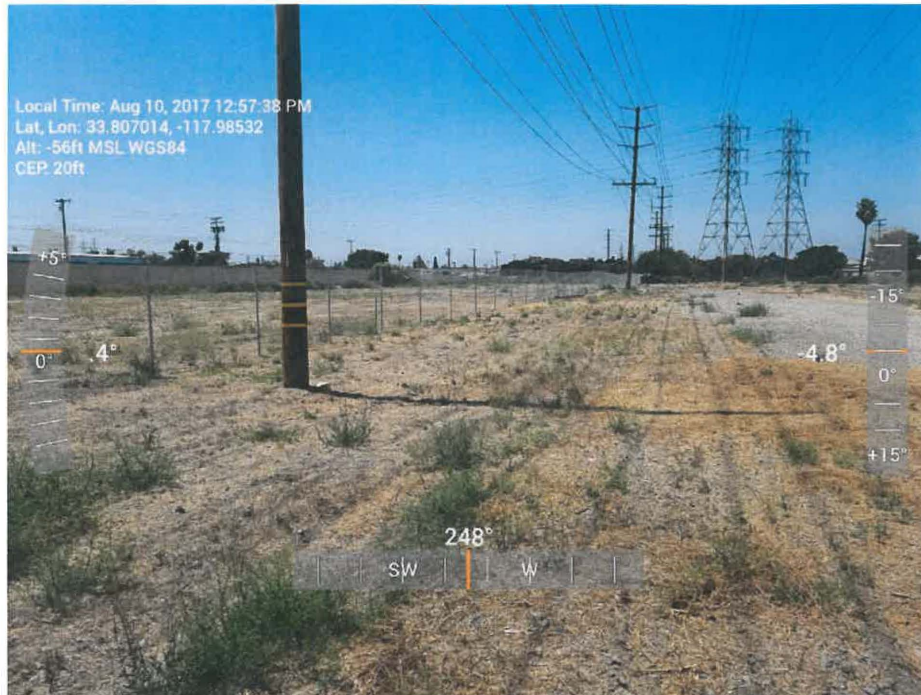
**State rank (S-rank):**

(S1) Less than 6 EOs OR less than 1,000 individuals OR less than 2,000 acres, (S2) 6-20 EOs OR 1,000-3,000 individuals OR 2,000-10,000 acres, (S3) 21-80 EOs or 3,000-10,000 individuals OR 10,000-50,000 acres, (S4) Apparently secure within California; this rank is clearly lower than S3 but factors exist to cause some concern; i.e. there is some threat, or somewhat narrow habitat. NO THREAT RANK, (S5) Demonstrably secure to ineradicable in California. NO THREAT RANK.

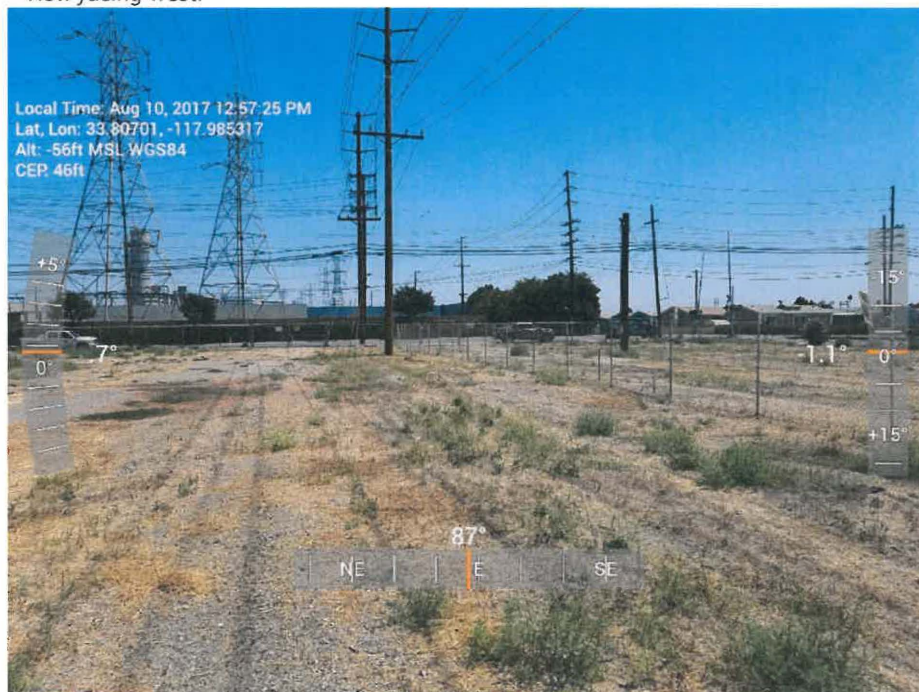
**California Native Plant Society (CNPS) Designations:**

(1A) Presumed extinct in California; (1B) Rare, threatened, or endangered in California and elsewhere; (2) Rare, threatened, or endangered in California, but more common elsewhere; (3) More information is needed; (4) Limited distribution; (.1) Seriously endangered in California; (.2) Fairly endangered in California; (.3) Not very endangered in California.

## Attachment 2 Site Photographs



**Photograph 1. Representative Photograph of Survey Area located west of Dale Avenue**  
*View facing west.*



**Photograph 2. Representative Photograph of Survey Area located west of Dale Avenue**  
*View facing Dale Avenue.*

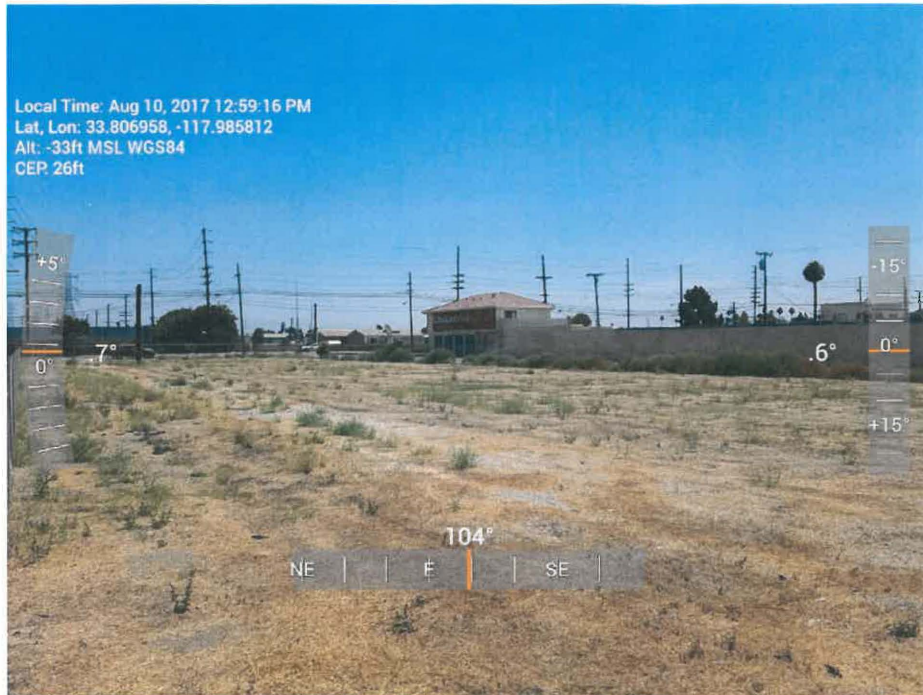




**Photograph 3. Representative Photograph of Survey Area located west of Dale Avenue**  
*View facing west.*



**Photograph 4. Photograph of Cape Leadwort (*Plumbago auriculata*) in Survey Area located west of Dale Avenue.**  
*View facing east.*

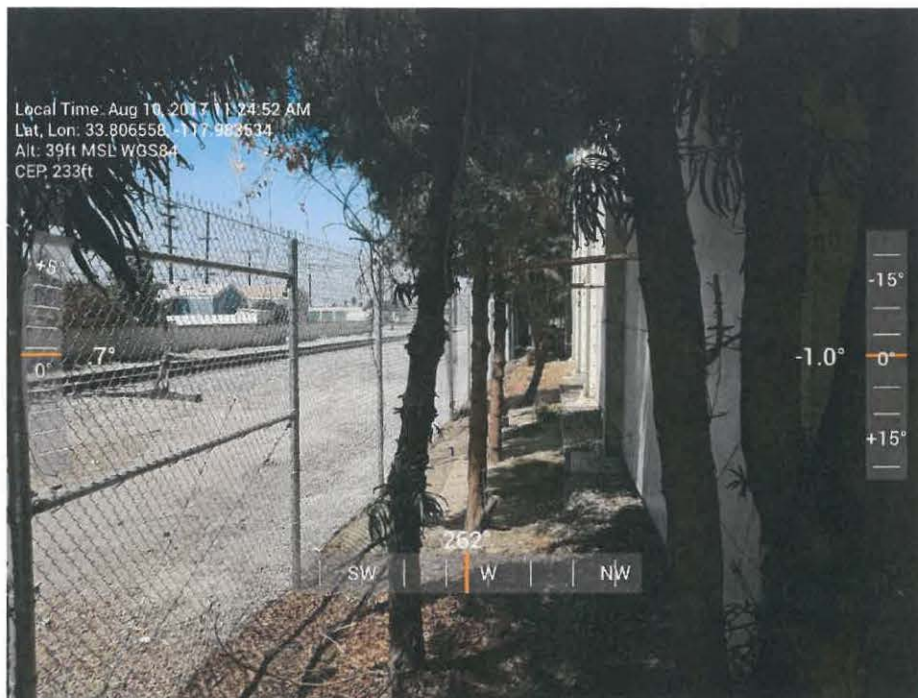


Photograph 5. Southwest Corner of Survey Area located west of Dale Avenue  
 View facing east.

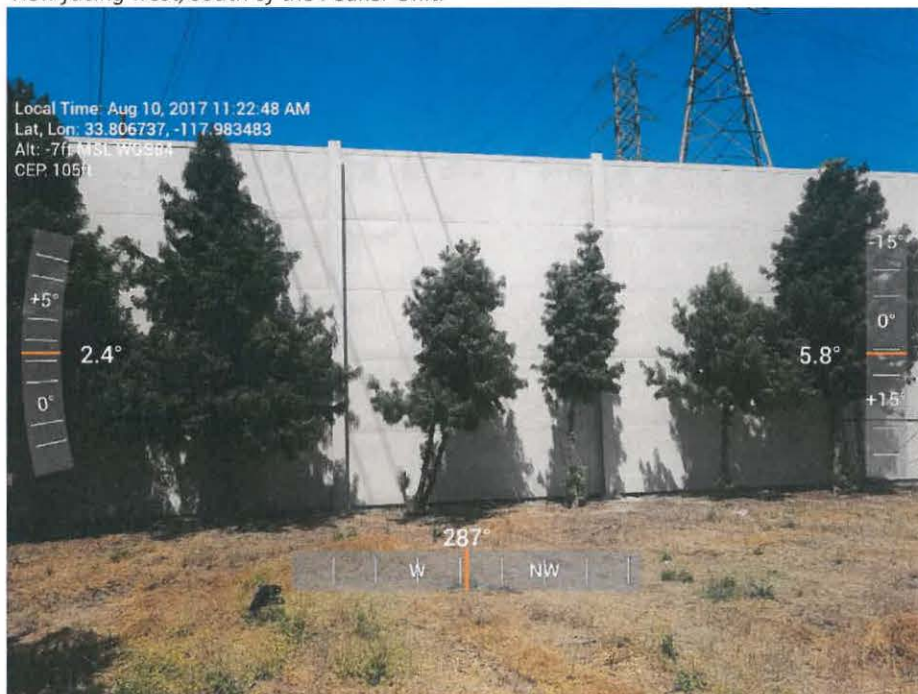


Photograph 7. Great Bougainvillea (*Bougainvillea spectabilis*) growing on the Southern  
 Fence Line of Survey Area East of Dale Avenue  
 View facing east, south of the Peaker Unit.





**Photograph 8. View of Southern Fence Line of Survey Area East of Dale Avenue**  
*View facing west, south of the Peaker Unit.*



**Photograph 9. Unknown Ornamental Trees along Western Barrier of Peaker Unit**  
*View facing west, east of the Peaker Unit.*



**Photograph 10. Unknown Ornamental Trees along Southern Barrier of Peaker Unit**  
*View facing west, south of the Peaker Unit.*

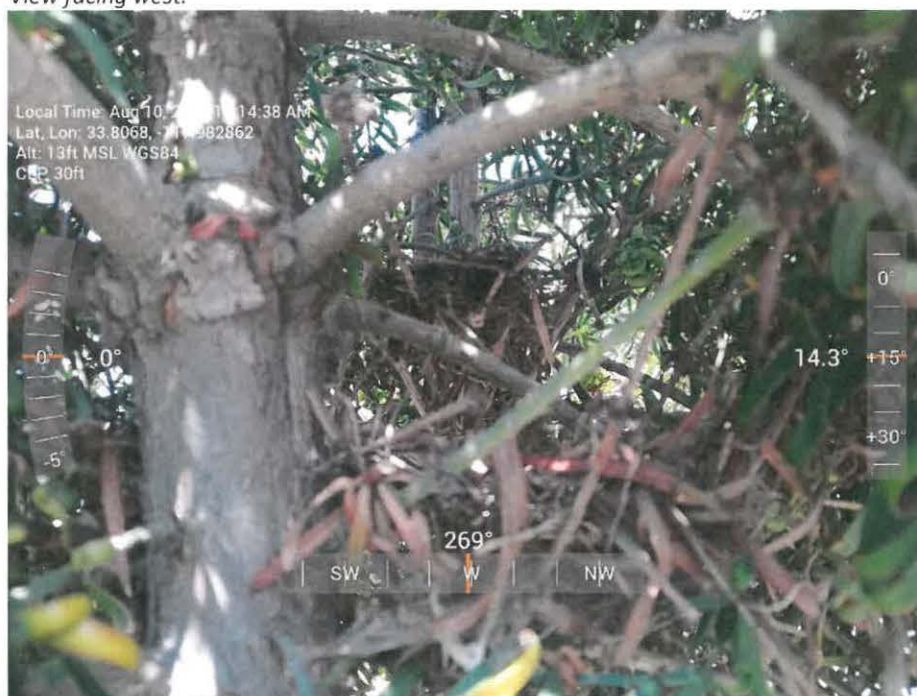


**Photograph 11. Inactive Nest along Southern Barrier of Peaker Unit**  
*View facing south.*



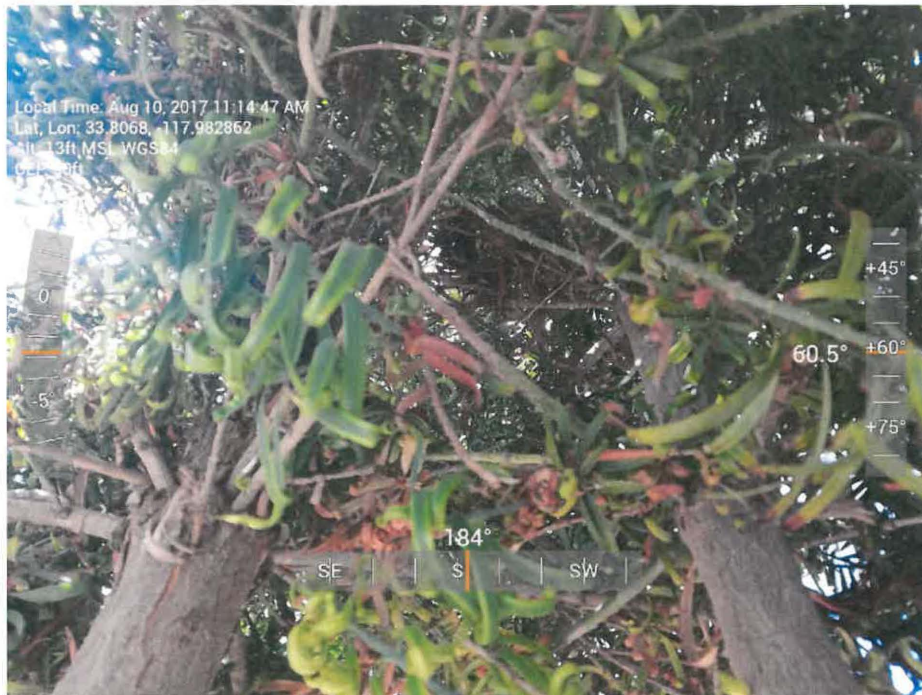


**Photograph 12. Inactive Nest along Southern Barrier of Peaker Unit**  
*View facing west.*



**Photograph 13. Inactive Nest along Southern Barrier of Peaker Unit**  
*View facing west.*

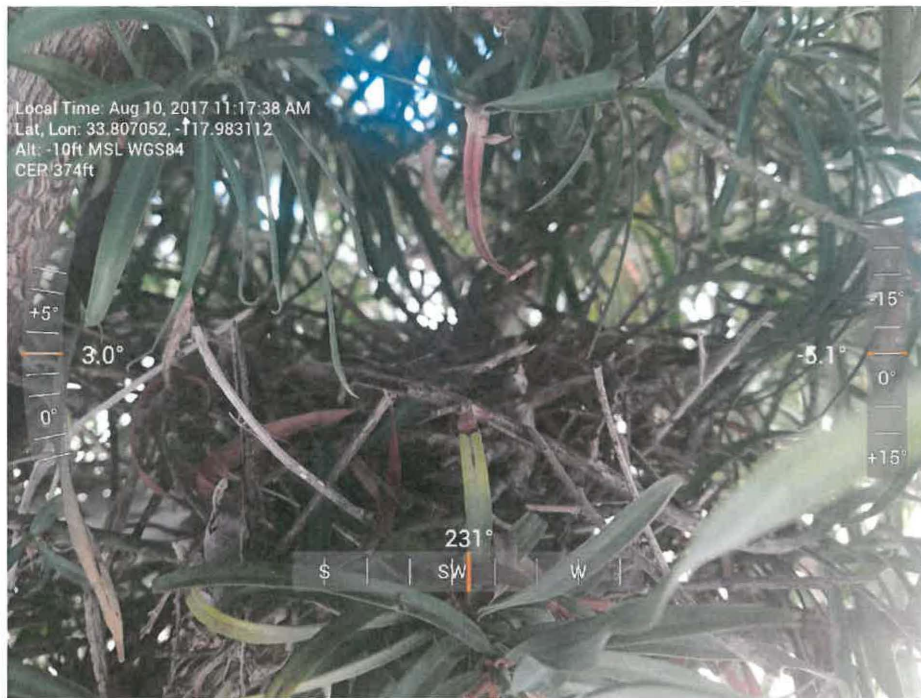




**Photograph 14. Inactive Nest along Southern Barrier of Peaker Unit**  
*View facing south.*



**Photograph 15. Inactive Nest along Southern Barrier of Peaker Unit**  
*View facing west.*



**Photograph 16. Inactive Nest along Southern Barrier of Peaker Unit**  
*View facing southwest.*

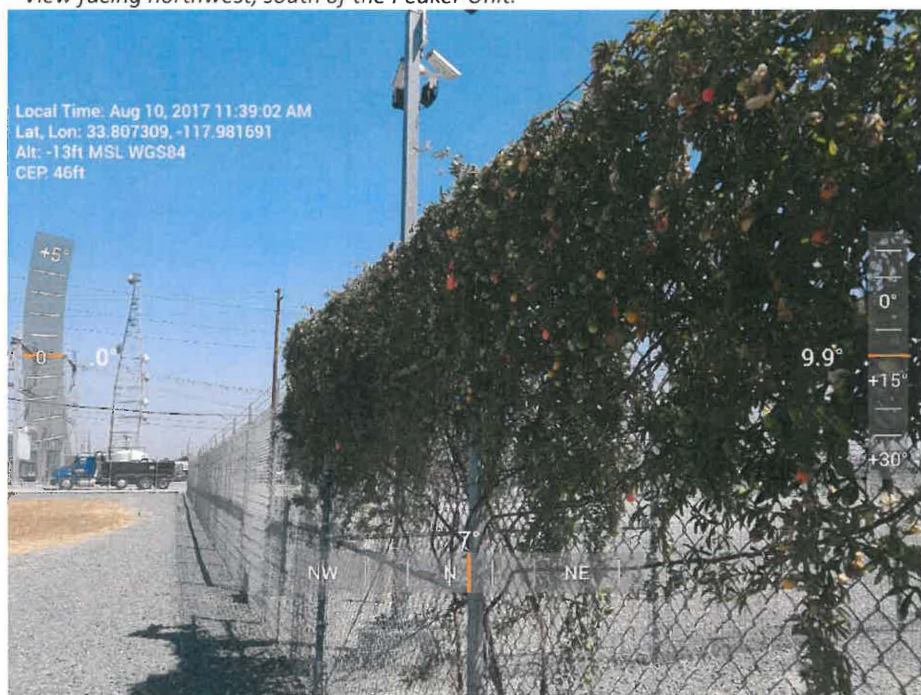


**Photograph 17. Inactive Nest along Southern Barrier of Peaker Unit**  
*View facing southeast.*





**Photograph 18. Summer Mustard (*Hirschfeldia incana*)**  
View facing northwest, south of the Peaker Unit.

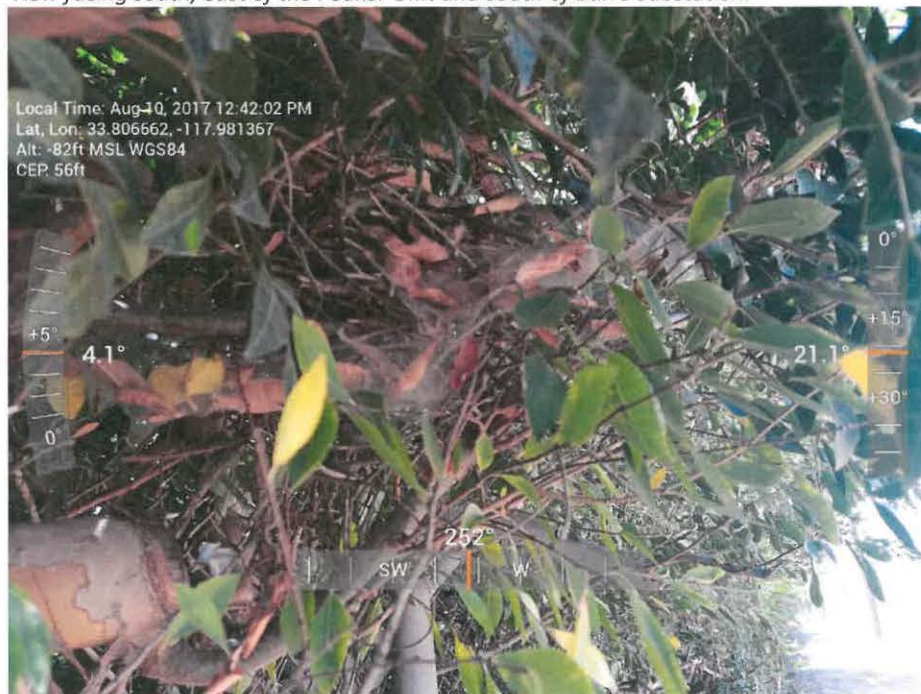


**Photograph 19. Passionfruit Vine (*Passiflora caerulea*) Growing on the Fence East of the Peaker Unit**  
View facing north, south of the Barre Substation.



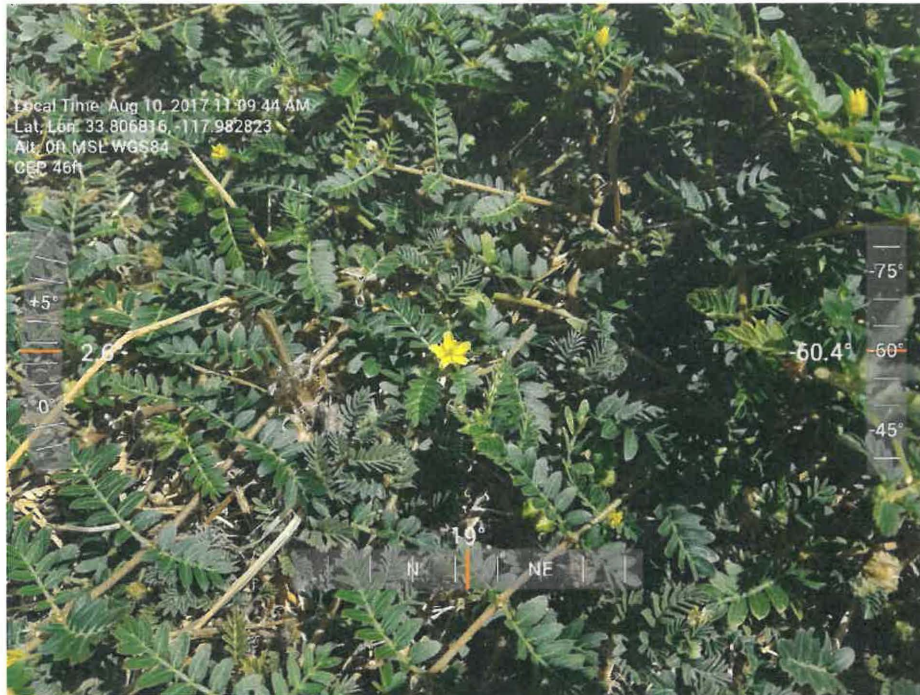


**Photograph 20. Predated Mourning Dove (*Zenaida macroura*)**  
 View facing south, east of the Peaker Unit and south of Barre Substation.



**Photograph 21. Inactive Nest along Southern Fence Line**  
 View facing west, southeast of the Peaker Unit.





**Photograph 22. Devil's Weed (*Tribulus terrestris*)**  
View facing north, southeast of the Peaker Unit.



**Photograph 23. Boston Ivy (*Parthenocissus tricuspidata*)**  
View facing west, west of the Peaker Unit.





**Photograph 24. California Bush Sunflower (*Encelia californica*) Growing on the Southern Fence**  
View facing west, north of the Peaker Unit.

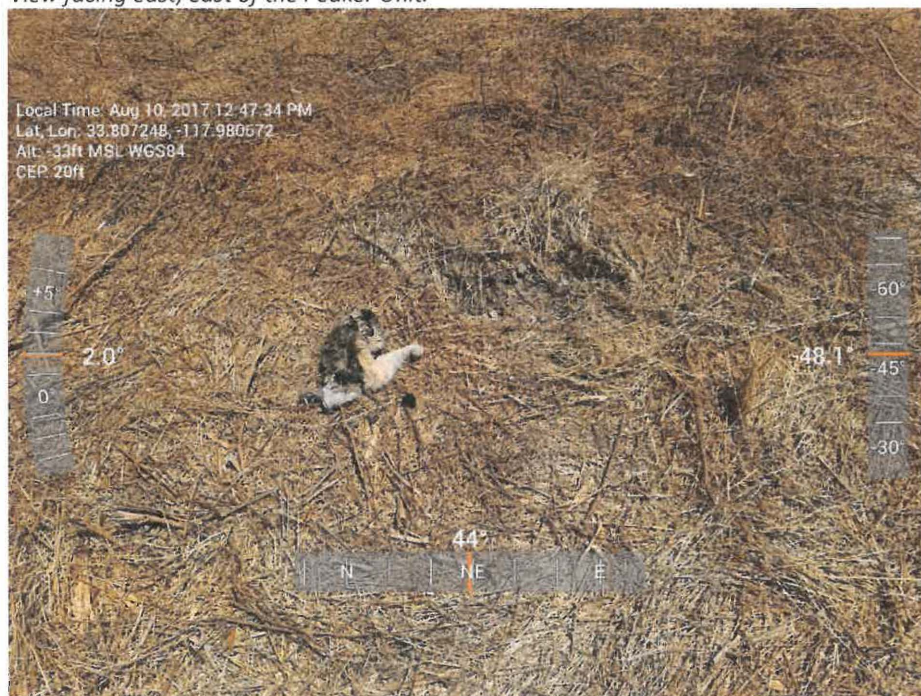


**Photograph 25. Canid Scat**  
View facing southeast, east of the Peaker Unit.





**Photograph 27. Canid Scat**  
View facing east, east of the Peaker Unit.



**Photograph 28. Predated Brush Rabbit (*Sylvilagus bachmani*) Carcass**  
View facing northeast, east of the Peaker Unit.



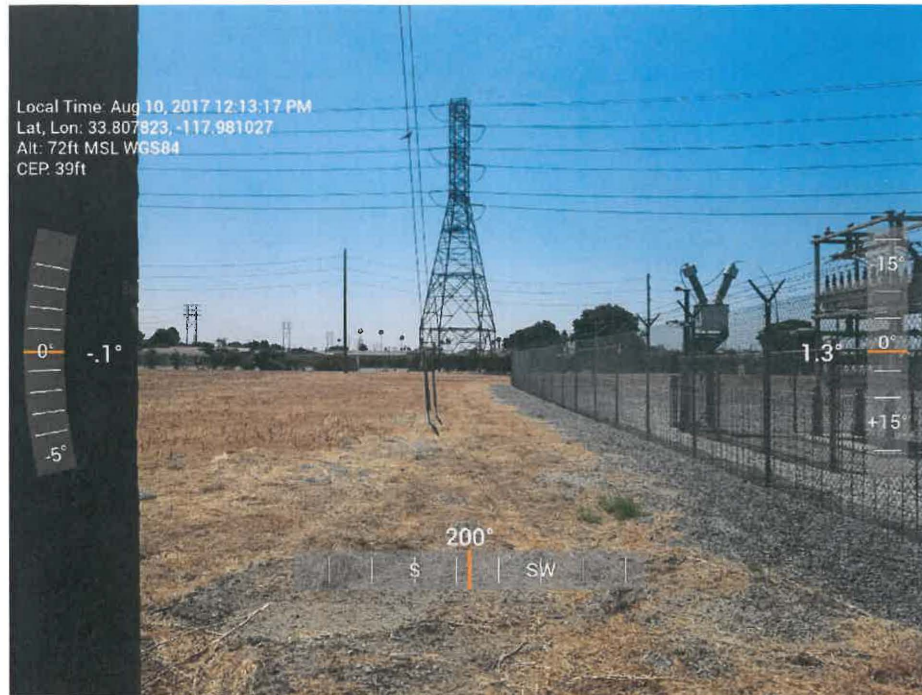


**Photograph 29. Compromised Fence and Possible Canid Entrance**  
*View facing east, southeast corner of survey area.*



**Photograph 28. Easternmost Fence of Survey Area**  
*View facing south, northeast corner of survey area.*





**Photograph 29. Eastern Fence of Barre Substation**  
*View facing south, east of Barre substation.*

## Attachment 3

### Observed Plant Species

<b>Observed Pant Species List</b> <b>Stanton Electric Reliability Center Interconnect with SCE's Barre Substation</b>			
<b>Common Name</b>	<b>Scientific Name</b>	<b>Status Federal/State</b>	<b>Native or Non-native Species</b>
saltbush	<i>Atriplex</i> sp.	--/--	Non-native
wild oat	<i>Avena fatua</i>	--/--	Non-native
scarlet pimpernel	<i>Anagallis arvensis</i>	--/--	Non-native
great bougainvillea	<i>Bougainvillea spectabilis</i>	--/--	Non-native
black mustard	<i>Brassica nigra</i>	--/--	Non-native
ripgut brome	<i>Bromus diandrus</i>	--/--	Non-native
foxtail brome	<i>Bromus madritensis</i>	--/--	Non-native
bindweed	<i>Calystegia</i> sp.	--/--	Native
trumpet creeper	<i>Campsis radicans</i>	--/--	Non-native
yellow star thistle	<i>Centaurea solstitialis</i>	--/--	Non-native
lamb's quarters	<i>Chenopodium album</i>	--/--	Native
yellow tansy mustard	<i>Descurainia pinnata</i>	--/--	Non-native
southern crabgrass	<i>Digitaria ciliaris</i>	--/--	Non-native
California bush sunflower	<i>Encelia californica</i>	--/--	Native
Canada horseweed	<i>Erigeron canadensis</i>	--/--	Non-native
summer mustard	<i>Hirschfeldia incana</i>	--/--	Non-native
foxtail barley	<i>Hordeum murinum</i>	--/--	Non-native
cheeseweed mallow	<i>Malva parviflora</i>	--/--	Non-native
annual yellow sweetclover	<i>Melilotus indicus</i>	--/--	Native
prickly pear	<i>Opuntia littoralis</i>	--/--	Native
Boston ivy	<i>Parthenocissus tricuspidatus</i>	--/--	Non-native
passionfruit vine	<i>Passiflora caerulea</i>	--/--	Non-native
Russian thistle	<i>Salsola tragus</i>	--/--	Non-native
sow thistle	<i>Sonchus</i> sp.	--/--	Non-native
devil's weed	<i>Tribulus terrestris</i>	--/--	Non-native

**Federal Designations:**

(FE) Federally Endangered, (FT) Federally Threatened, (FPE) Federally Proposed Endangered, (FPT) Federally Proposed Threatened, (FSC) Species of Concern, (FC) Candidate

**State Designations:**

(SE) State Endangered, (ST) State Threatened, (SR) State Rare, (CSC) Species of Special Concern, (CFP) Fully Protected Species

**California Native Plant Society (CNPS) Rare Plant Rank:**

(1A) Presumed extinct in California; (1B) Rare, threatened, or endangered in California and elsewhere; (2) Rare, threatened, or endangered in California, but more common elsewhere; (3) More information is needed; (4) Limited distribution; (.1) Seriously endangered in California; (.2) Fairly endangered in California; (.3) Not very endangered in California.