
MEMORANDUM

TO: Robert Fletcher, San Diego Gas & Electric

FROM: Melissa Busby, Busby Biological Services, Inc.

DATE: May 27, 2015

RE: Updated Special-Status Plant Species Survey Results Following Late Spring 2015 Surveys (Follow Up to Data Request #11, Question 2)

The California Public Utilities Commission (CPUC) has identified data needs for the proposed San Diego Gas & Electric Company (SDG&E) Sycamore to Peñasquitos 230 Kilovolt Transmission Line Project (Proposed Project), Application No. 14-04-011. Data Request #11, Question 2 states the following:

***“Provide a list of all rare plant species and identify project locations for which rare plant surveys are ongoing and where the results of which will not be available to the CPUC by April 30, 2015.*”**

For any project area where the results of rare plant surveys are not provided by April 30th, the CPUC will need to presume presence of the individual plant species and require impact avoidance as mitigation in order to meet the schedule for release of the Draft EIR. Alternatively, if desired by SDG&E, the release date of the draft EIR can be delayed until project planning surveys are completed.”

Busby Biological Services (BBS) provided a memorandum (titled *Response to Data Request #11, Question 2: Provide rare plant survey data and identify areas where surveys will still be ongoing as of April 30, 2015* and dated April 24, 2015) summarizing the methods and results of the focused special-status plant species surveys that were completed in 2013/2014 within the original Biological Survey Area (BSA) and those that were completed during the early spring 2015 surveys within the portions of the current BSA that weren't surveyed in 2013/2014. In this memorandum, BBS stated that updated cumulative results of the special-status plant surveys would be provide to the CPUC by June 1, 2015, following the second round of spring 2015 surveys.

This memorandum provides a description of the methods and results of the focused special-status plant species surveys that were completed in 2013/2014 within the original BSA and those that are ongoing in 2015 within the portions of the current BSA that weren't

surveyed in 2013/2014. This information is intended to supplement the information provided in the Biological Technical Report (BTR; BBS 2014a) and special-status plant survey summary report (BBS 2014b) prepared for the Proposed Project. For additional information pertaining to the biological resources associated with the Proposed Project, please refer to the BTR and other technical reports/memoranda prepared for the Proposed Project.

BRIEF SURVEY AREA EXPLANATION

Focused special-status plant surveys have been or are being conducted for the Proposed Project within all suitable habitats within the current BSA. Initially, focused special-status plant surveys were conducted within the original BSA, which included a 500-foot-wide survey corridor along the approximately 16.7-mile Proposed Project alignment, the Sycamore Canyon and Peñasquitos Substations, and the Stowe Staging Yard (Figures 1 and 2). In spring 2015, two rounds of subsequent focused special-status plant surveys were conducted within the portions of the current BSA that were added after the original BSA had already been surveyed, including access roads, staging yards, the Encina Hub, the Mira Mesa Hub, and all other associated work areas (Figures 1 and 2). One more round of focused special-status plant species surveys will be conducted in the current BSA to capture the late blooming species.

Because the Encina Hub is located in a geographically distinct location and is not within the immediate vicinity of the main Proposed Project alignment (Figure 1), the site has the potential to support different special-status plant species than those with a potential for occurrence within the main Proposed Project alignment. As such, the Encina Hub has been analyzed separately for the species occurrence potentials, but it has been surveyed in conjunction with the rest of the Proposed Project.

METHODS

A list of special-status plant survey target species was developed for the Proposed Project by reviewing the results of various database searches for special-status plant species reported within 1, 3, and 5 miles of the main Proposed Project alignment and the Encina Hub. The target species included species that are federally and/or state-listed as well as species that have California Rare Plant Rank (CRPR) ratings of 1B, 2B, 3, or 4 (with the appropriate added CRPR threat ranks of 0.1, 0.2, or 0.3).

Focused special-status plant field surveys were conducted by walking meandering transects throughout the BSA during the appropriate survey windows to maximize detection of the special-status species with a potential for occurrence within the BSA. When a special-status plant species was observed, a waypoint was taken with a handheld Global Positioning System (GPS) that recorded the plant's location and the elevation above mean sea level (amsl). Where vegetation was very dense on steep slopes, such as in scrub oak

chaparral, documentation of some species was accomplished through the use of binoculars and marking of the species' location on a field map that was later digitized and incorporated into the Geographic Information System (GIS) database.

Plant names used herein follow the *Checklist of the Vascular Plants of San Diego County, 5th edition (Checklist; Rebman and Simpson 2014)*. Additional plant references used included *The Jepson manual: vascular plants of California, Second Edition (Jepson Manual; Baldwin et al. 2012)*, the Consortium of California Herbarium voucher data, and the San Diego Plant Atlas. If the *Jepson Manual* and the *Checklist* differ in plant taxonomic treatments, such as recognition or lumping of a variety, then the taxonomy of the *Checklist* and the taxonomic opinion of Dr. Jon Rebman (personal communication 2014), Curator of Botany at the SDNHM, took precedence.

RESULTS

The focused special-status plant surveys have been completed within the original BSA and are ongoing in the areas that have been added to the original BSA since the initial surveys. Within the original BSA, three rounds of special-status plant surveys were conducted: round 1 occurred between September 25 and October 2, 2013; round 2 occurred between April 2 and April 15, 2014; and round 3 occurred between May 12 and May 29, 2014. Within the portions of the current BSA that were not surveyed as part of the original BSA, three rounds of surveys will be conducted in 2015: round 1 occurred between March 30 and April 14, 2015, and the second round occurred between May 11 and May 21, 2015. The third round of surveys is planned for July 2015 but may be conducted earlier because, as a result of the hot and dry conditions experienced earlier in spring 2015, the observed plant phenology within the vicinity of the Proposed Project appears to be about a month ahead of a typical year with normal rainfall. Therefore, late blooming plants will be observable much earlier in 2015 than in a normal rainfall year.

Twenty-three special-status plant species, including three listed plant species – thread-leaved brodiaea (*Brodiaea filifolia*; FT, SE), Del Mar manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE), San Diego button-celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE) – have been observed to date within the current BSA during focused special-status plant surveys conducted for the Proposed Project (Figure 3). Table 1 summarizes the species observed to date, including the species name, sensitivity status, and the observation location.

Table 1. Summary of Special-Status Plant Survey Results through April 2015

Species Name		Status	Observation Location	
Scientific Name	Common Name		Main Alignment	Encina Hub
<i>Adolphia californica</i>	spineshrub	CRPR 2B.1	X	
<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	Del Mar manzanita	FE CRPR 1B.1	X	

Species Name		Status	Observation Location	
Scientific Name	Common Name		Main Alignment	Encina Hub
<i>Artemisia palmeri</i>	Palmer's sagewort	CRPR 4.2	X	
<i>Bahiopsis laciniata</i>	San Diego sunflower	CRPR 4.2	X	
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	FT SE CRPR 1B.1	X	
<i>Ceanothus verrucosus</i>	wart-stemmed ceanothus	CRPR 2B.2	X	
<i>Chorizanthe polygoioides</i> var. <i>longispina</i>	knotweed spineflower	CRPR 1B.2	X	
<i>Cistanthe maritima</i>	seaside cistanthe	CRPR 4.2	X	
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	summer-holly	CRPR 1B.2	X	
<i>Convolvulus simulans</i>	small-flowered morning-glory	CRPR 4.2	X	
<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i>	Del Mar Mesa sand aster	CRPR 1B.1	X	
<i>Dichondra occidentalis</i>	western dichondra	CRPR 4.2	X	X
<i>Eryngium aristulatum</i> ssp. <i>parishii</i>	San Diego button-celery	FE SE CRPR 1B.1	X	
<i>Ferocactus viridescens</i> var. <i>viridescens</i>	coast barrel cactus	CRPR 2B.1	X	
<i>Harpagonella palmeri</i>	Palmer's grapplinghook	CRPR 4.2	X	
<i>Holocarpha virgata</i> ssp. <i>elongata</i>	graceful tarplant	CRPR 4.2	X	
<i>Isocoma menziesii</i> var. <i>decumbens</i>	decumbent goldenbush	CRPR 1B.2	X	
<i>Iva hayesiana</i>	San Diego marsh-elder	CRPR 2B.2	X	
<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush	CRPR 4.2	X	
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	CRPR 4.3	X	
<i>Pinus torreyana</i>	Torrey pine	CRPR 1B.2	X as planted individuals	
<i>Quercus dumosa</i>	Nuttall's scrub oak	CRPR 1B.1	X	
<i>Selaginella cinerascens</i>	ashy spikemoss	CRPR 4.1	X	X

- FE = federally listed endangered
 FT = federally listed threatened
 SE = state-listed endangered
 CRPR 1B.1 = rare, threatened, and endangered in California and elsewhere AND seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 CRPR 1B.2 = rare, threatened, and endangered in California and elsewhere AND moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 CRPR 2B.1 = rare, threatened, or endangered in California but more common elsewhere AND seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
 CRPR 2B.2 = rare, threatened, or endangered in California but more common elsewhere AND moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 CRPR 4.2 = limited distribution AND moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
 CRPR 4.3 = limited distribution AND not very threatened in California (<20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

DISCUSSION

Focused special-status plant species surveys were conducted in fall 2013 and spring 2014 within the original BSA. After those surveys were completed, additional areas were added to the BSA. Focused special-status plant surveys within the portions of the current BSA that were not previously surveyed are being conducted in spring/summer 2015.

Three rounds of surveys will be conducted in 2015. The first round of 2015 surveys was completed between March 30 and April 14, 2015, and the second round was conducted between May 11 and May 21, 2015. This memorandum includes the special-status plant species observation data collected during those surveys.

The third round of surveys is planned for July 2015 but may begin earlier, based on the environmental conditions in the vicinity of the Proposed Project. A final special-status plant survey summary report will be prepared following completion of the third round of surveys. This report will provide additional detail in the methods and results of the entire special-status plant survey effort conducted for the Proposed Project. We anticipate that this final special-status plant survey summary report will be submitted to the CPUC by July 31, 2015.

REFERENCENCES

Baldwin, B. G., D. H. Goldman, D. J. Keil, R. Patterson, T. J. Rosatti, and D. H. Wilken, editors.

2012 *The Jepson manual: vascular plants of California, second edition.* University of California Press, Berkeley.

Busby Biological Services, Inc. (BBS)

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2014b Special-Status Plant Survey Summary Report for the Proposed San Diego Gas & Electric Company Sycamore to Peñasquitos 230 Kilovolt Transmission Line Project, San Diego County, California. June 2014.

Rebman, J.P. and M.G. Simpson

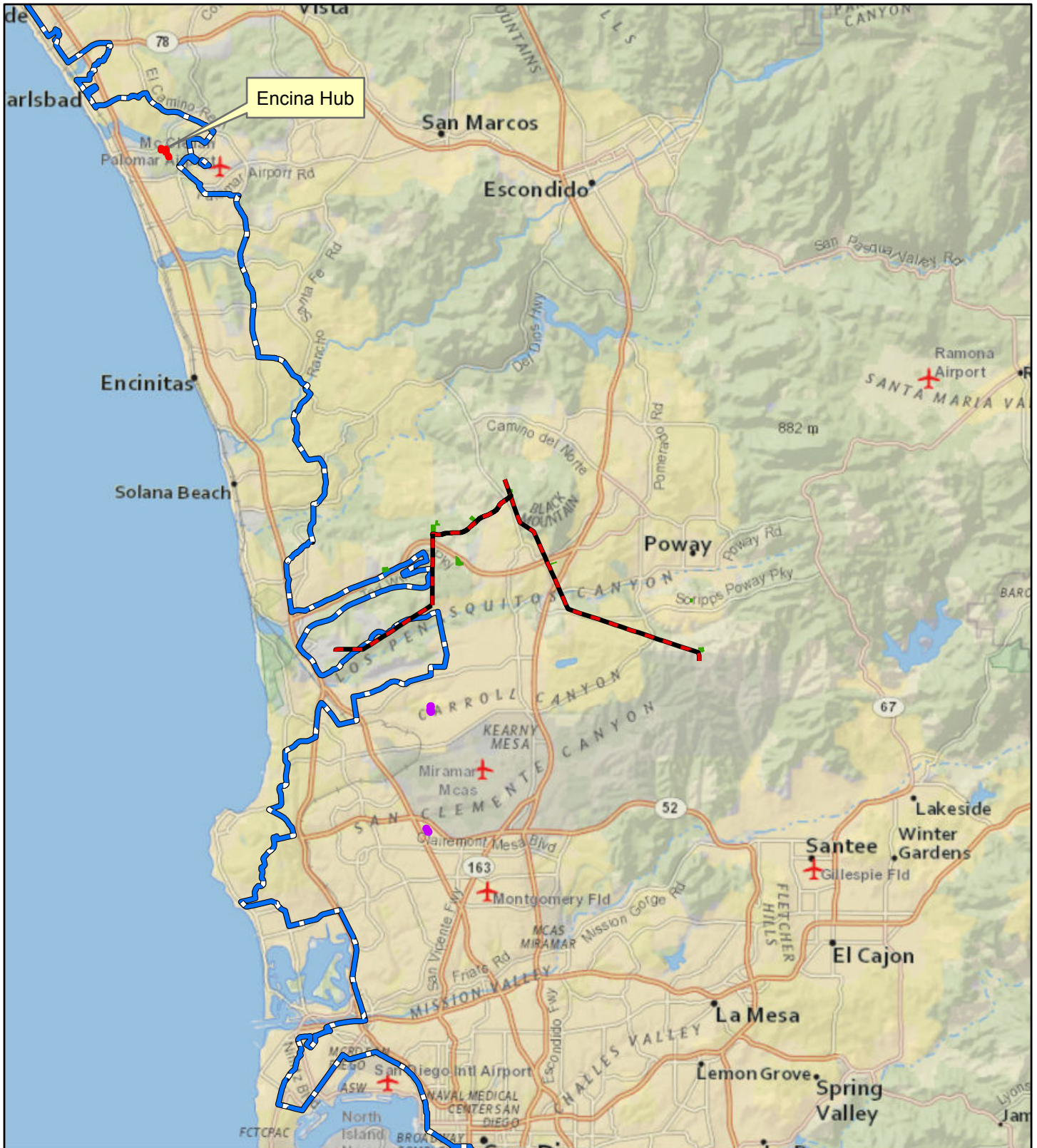
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San Diego Natural History Museum

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University of California, Berkeley Consortium of California Herbaria
2015 Consortium of California Herbaria online database located at
<http://ucjeps.berkeley.edu/consortium/about.html>. Accessed spring 2015.



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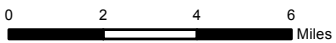
Sycamore to Peñasquitos 230 kV Transmission Line Project

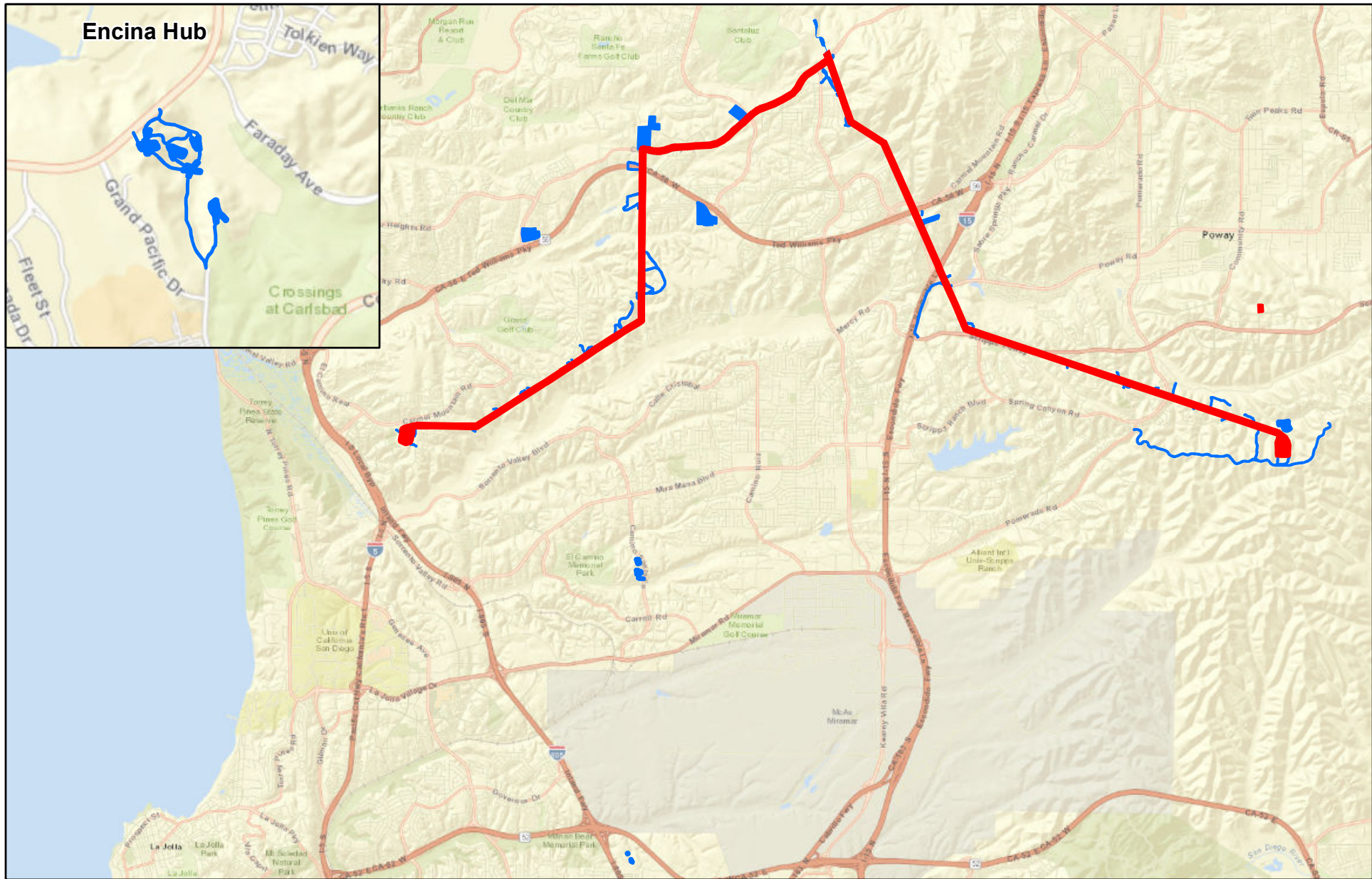
Project Location Map

Figure 1

- Staging Yards
- Encina Hub
- Mira Mesa Hub
- Proposed Project Route
- California Coastal Zone Boundary

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- Surveys Completed in Fall 2013/Spring 2014
- 2015 Surveys

Sources: TRC, 2015; SDG&E, 2015; ESRI, HERE, DeLorme, USGS, IPC, NRCAN, METI, NASA, ESA, NOAA, GEBCO, UNEP-WCMC; NatGeo

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Sycamore to Peñasquitos 230kV Transmission Line Project
 Special-Status Plant Survey Areas & Status
Figure 2

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



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Sources: 2013 Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community; NatGeo DeLorme, NAVTEQ, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, IPC

Key to Threat Categories

FE = Federally Listed Endangered Species
FT = Federally Listed Threatened Species
SE = State-Listed Endangered Species
CRPR = California Rare Plant Rank

Special-Status Plants Observed

- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
- ▲ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
- 2015 Survey Area

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



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Sources: 2013 Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community; NatGeo DeLorme, NAVTEQ, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, IPC

Key to Threat Categories

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Special-Status Plants Observed

- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
- ▲ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
- 2015 Survey Area

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- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
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- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
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- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
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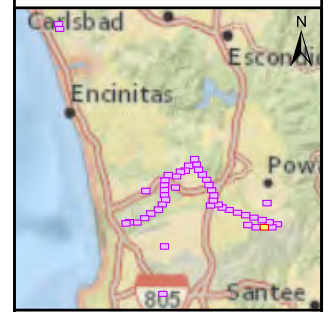
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- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
- 2015 Survey Area

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



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Special-Status Plants Observed

- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
- ▲ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
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- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
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- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
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**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3





 5/28/2015 
 0 150 300 450 Feet

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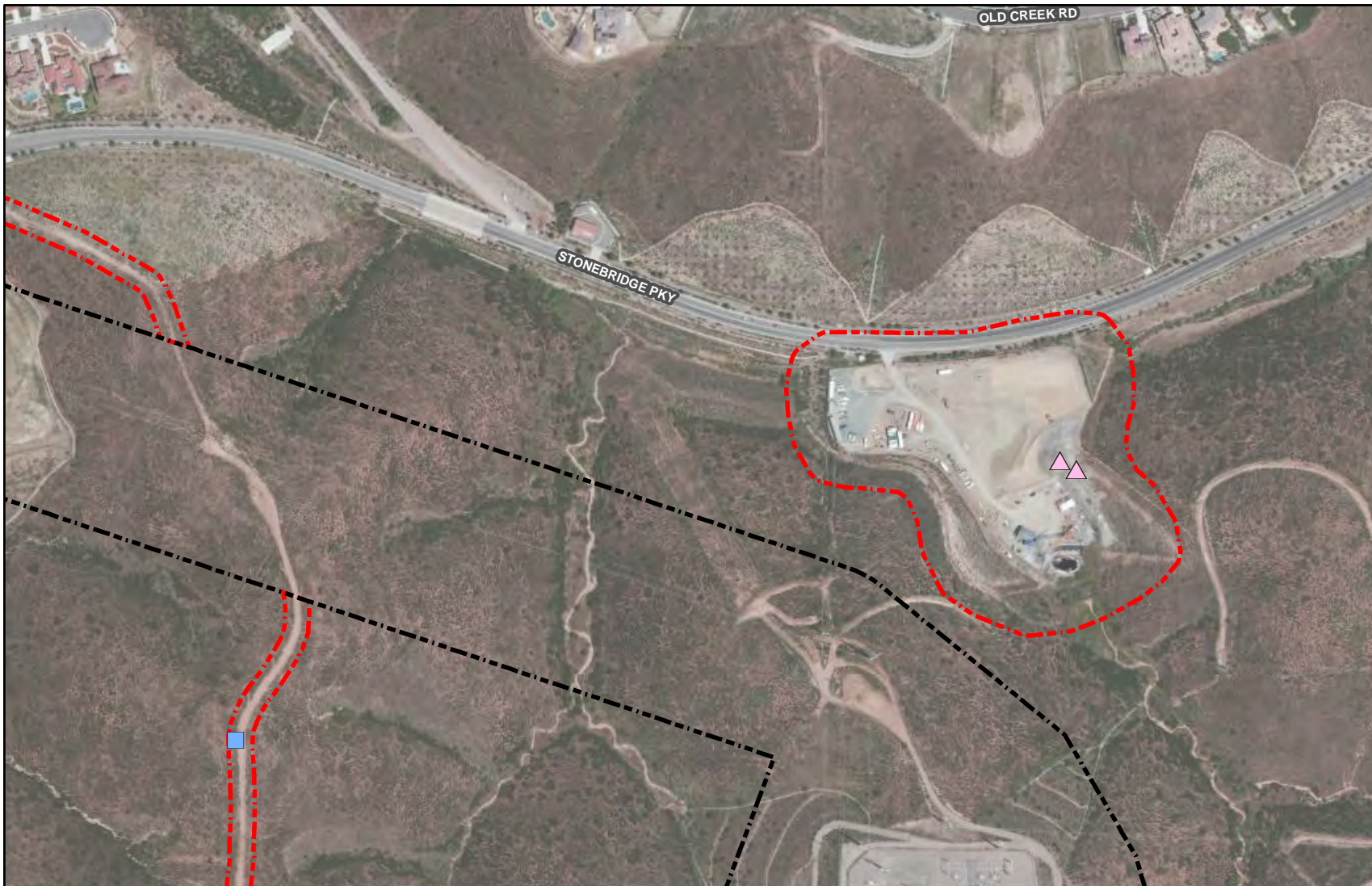
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- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
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- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
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**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
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Figure 3



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- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
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**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



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to Date

Figure 3





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230 kV Transmission Line
Project**

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to Date

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- ▲ Summer-Holly (*Comarostaphylos diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
- 2015 Survey Area

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3





 5/28/2015 
 0 150 300 450 Feet

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Key to Threat Categories

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Special-Status Plants Observed

- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
- ▲ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
- 2015 Survey Area

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



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Special-Status Plants Observed

- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
- ▲ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
- 2015 Survey Area

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3

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Special-Status Plants Observed

- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
- ▲ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
- 2015 Survey Area

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



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Special-Status Plants Observed

- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
- ▲ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ▲ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- ▲ Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
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- ▲ Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
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- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
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- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◆ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
- 2015 Survey Area

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



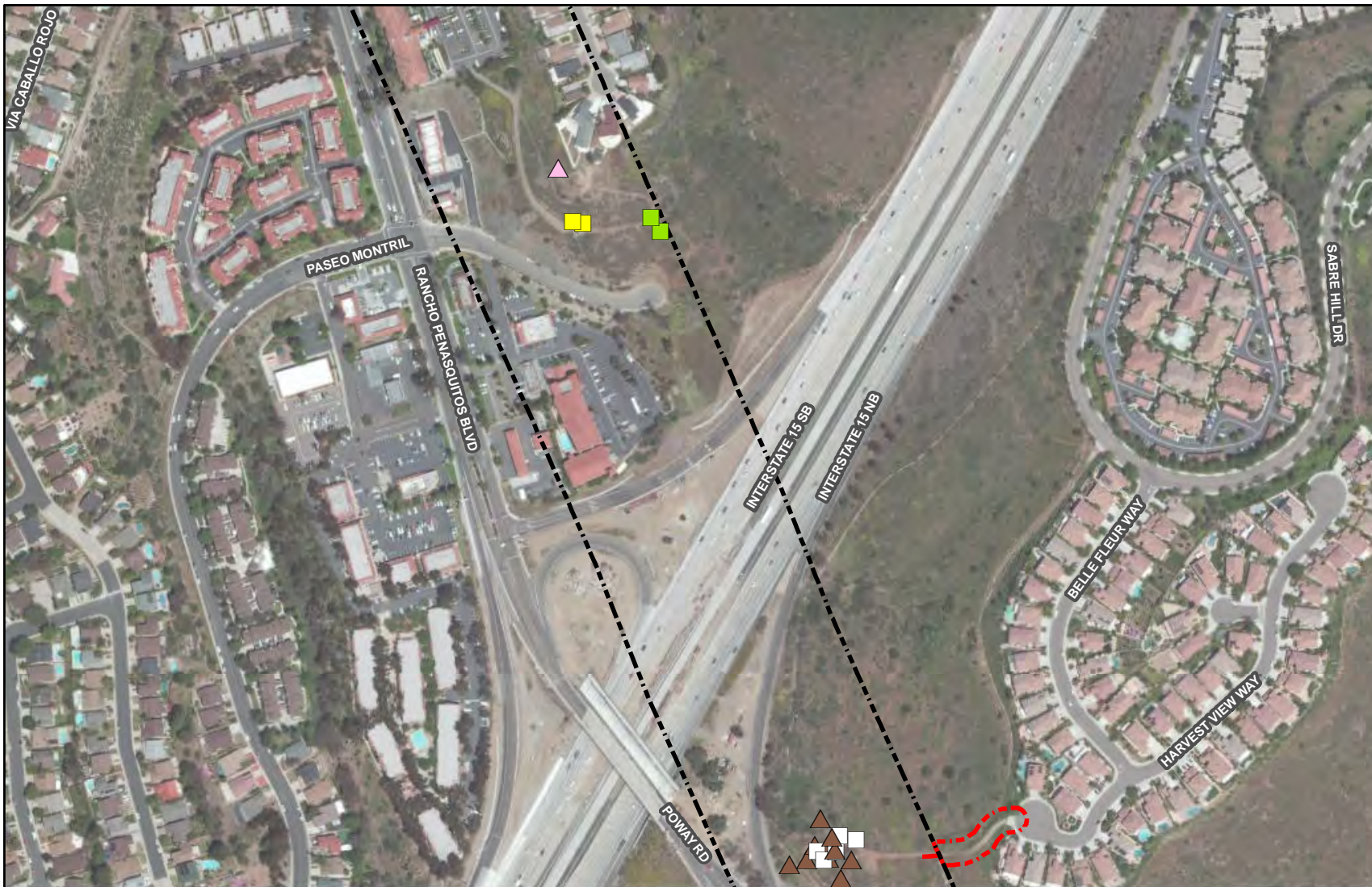
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Special-Status Plants Observed

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- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
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Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
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- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
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0 150 300 450 Feet

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- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
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- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
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- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
- 2015 Survey Area

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**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



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Special-Status Plants Observed

- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
- ▲ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

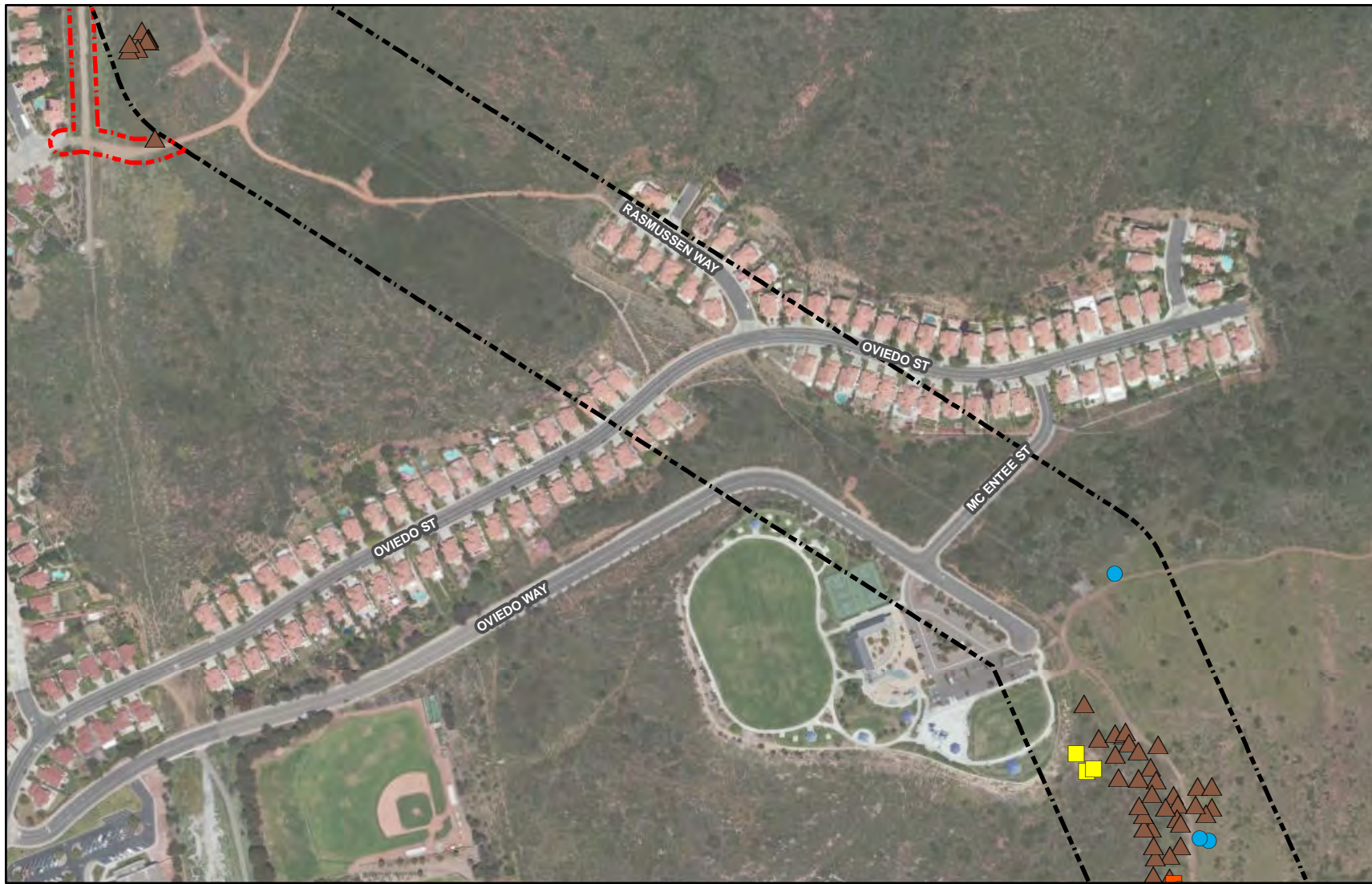
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 5/28/2015 
 0 150 300 450 Feet

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Special-Status Plants Observed		Special-Status Plants Observed in Revegetated Areas	
▲ Spineshrub (<i>Adolphia californica</i> ; CRPR 2B.1)	■ San Diego Button-Celery (<i>Eryngium aristulatum</i> ssp. <i>parishii</i> ; FE, SE, CRPR 1B.1)	◆ San Diego Marsh-Elder (<i>Iva hayesiana</i> ; CRPR 2B.2)	◆ San Diego Sunflower (<i>Bahiopsis laciniata</i> ; CRPR 4.2)
▲ Ashy Spikemoss (<i>Selaginella cinerascens</i> ; CRPR 4.1)	■ Coast Barrel Cactus (<i>Ferocactus viridescens</i> ; CRPR 2B.1)	◆ San Diego Sunflower (<i>Bahiopsis laciniata</i> ; CRPR 4.2)	◆ Wart-Stemmed Ceanothus (<i>Ceanothus verrucosus</i> ; CRPR 2B.2)
▲ Del Mar Manzanita (<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i> ; FE, CRPR 1B.1)	■ Palmer's Grapplinghook (<i>Harpagonella palmeri</i> ; CRPR 4.2)	◆ Spiny Rush (<i>Juncus acutus</i> ssp. <i>leopoldii</i> ; CRPR 4.2)	◆ Spiny Rush (<i>Juncus acutus</i> ssp. <i>leopoldii</i> ; CRPR 4.2)
▲ Palmer's Sagewort (<i>Artemisia palmeri</i> ; CRPR 4.2)	□ Graceful Tarplant (<i>Holocarpha virgata</i> ssp. <i>elongata</i> ; CRPR 4.2)	◆ Torrey Pine (<i>Pinus torreyana</i> ; CRPR 1B.2)	◆ Torrey Pine (<i>Pinus torreyana</i> ; CRPR 1B.2)
▲ San Diego Sunflower (<i>Bahiopsis laciniata</i> ; CRPR 4.2)	● Decumbent Goldenbush (<i>Isocoma menziesii</i> var. <i>decumbens</i> ; CRPR 1B.2)	◆ 2013/2014 Survey Area	◆ 2015 Survey Area
▲ Summer-Holly (<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i> ; CRPR 1B.2)	● San Diego Marsh-Elder (<i>Iva hayesiana</i> ; CRPR 2B.2)		
▲ Wart-Stemmed Ceanothus (<i>Ceanothus verrucosus</i> ; CRPR 2B.2)	● Spiny Rush (<i>Juncus acutus</i> ssp. <i>leopoldii</i> ; CRPR 4.2)		
▲ Seaside Cistanthe (<i>Cistanthe maritima</i> ; CRPR 4.2)	● Robinson's Pepper-Grass (<i>Lepidium virginicum</i> var. <i>robinsonii</i> ; CRPR 4.3)		
▲ Small-Flowered Morning-Glory (<i>Convolvulus simulans</i> ; CRPR 4.2)	● Nuttall's Scrub Oak (<i>Quercus dumosa</i> ; CRPR 1B.1)		
▲ Del Mar Mesa Sand Aster (<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i> ; 1B.1)	■ Thread-Leaved Brodiaea (<i>Brodiaea filifolia</i> ; FT, SE, CRPR 1B.1)		
▲ Western Dichondra (<i>Dichondra occidentalis</i> ; CRPR 4.2)			
▲ Long-Spined Spineflower (<i>Chorizanthe polygonoides</i> var. <i>longispina</i> ; 1B.2)			

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



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Special-Status Plants Observed

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- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
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- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
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Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

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230 kV Transmission Line
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Results of Special-Status
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- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

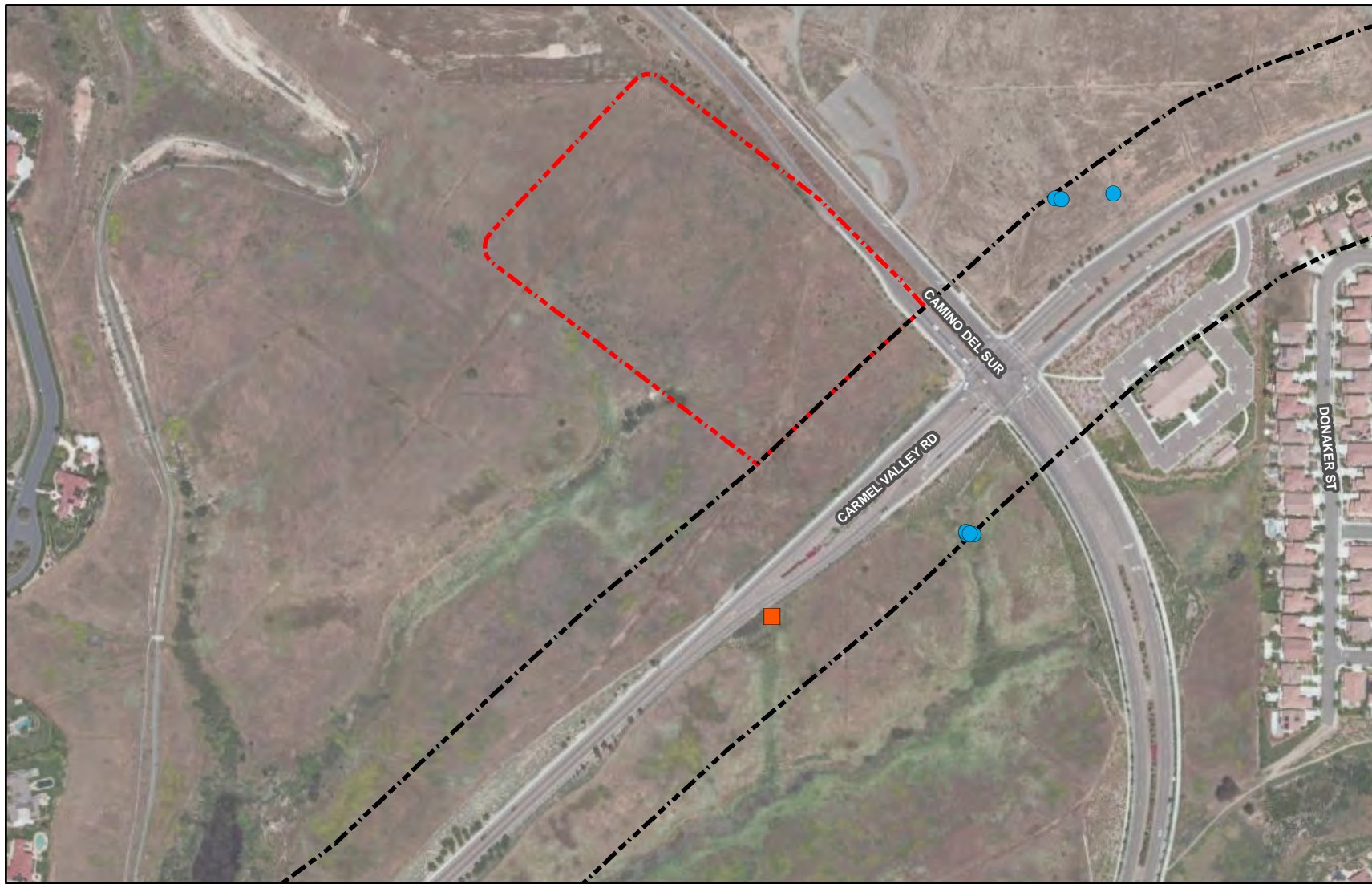
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Key to Threat Categories

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CRPR = California Rare Plant Rank

Special-Status Plants Observed

- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
- ▲ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
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- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
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- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
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**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



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230 kV Transmission Line
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Results of Special-Status
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Figure 3





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Special-Status Plants Observed in Revegetated Areas

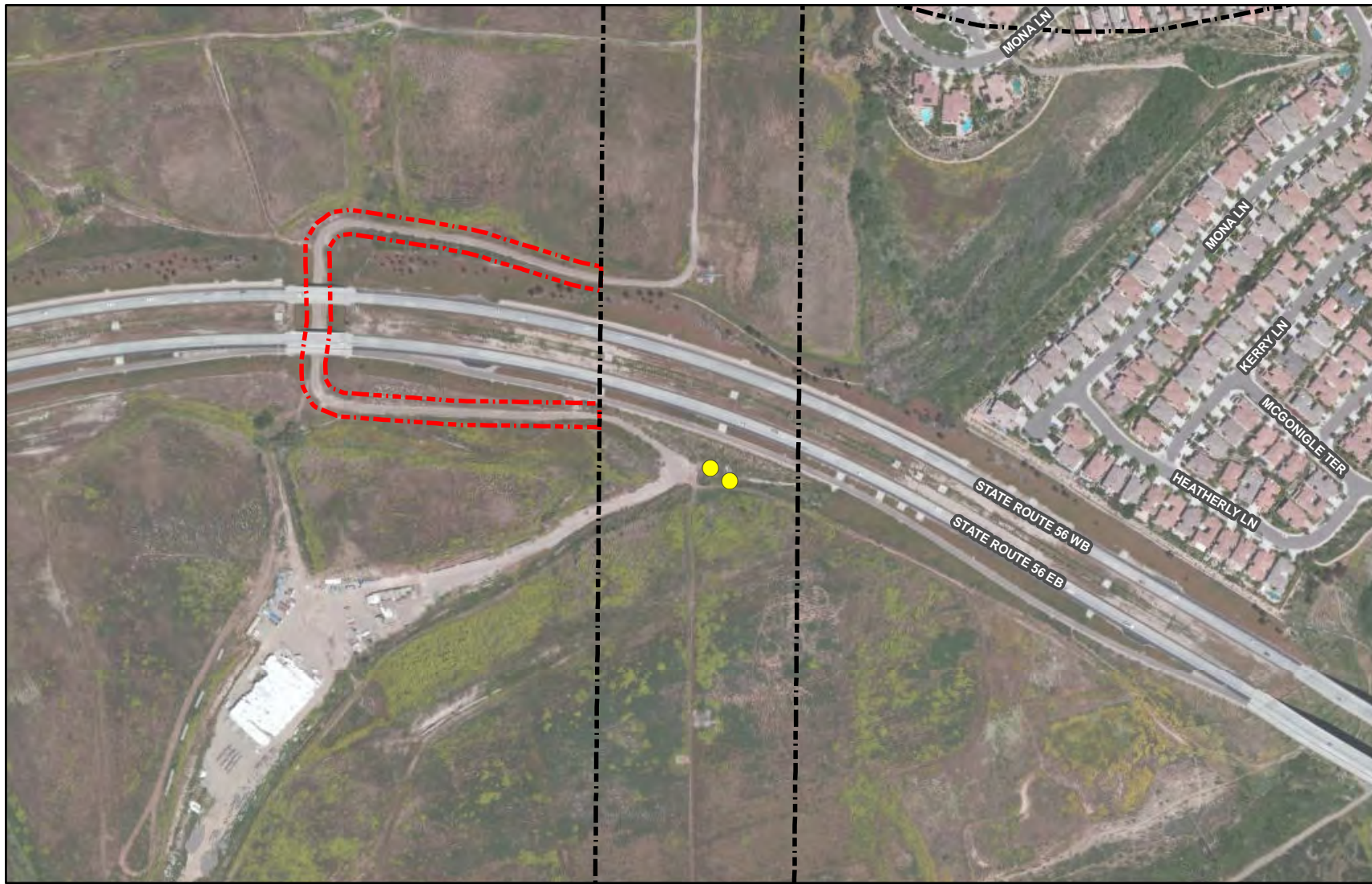
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Special-Status Plants Observed in Revegetated Areas

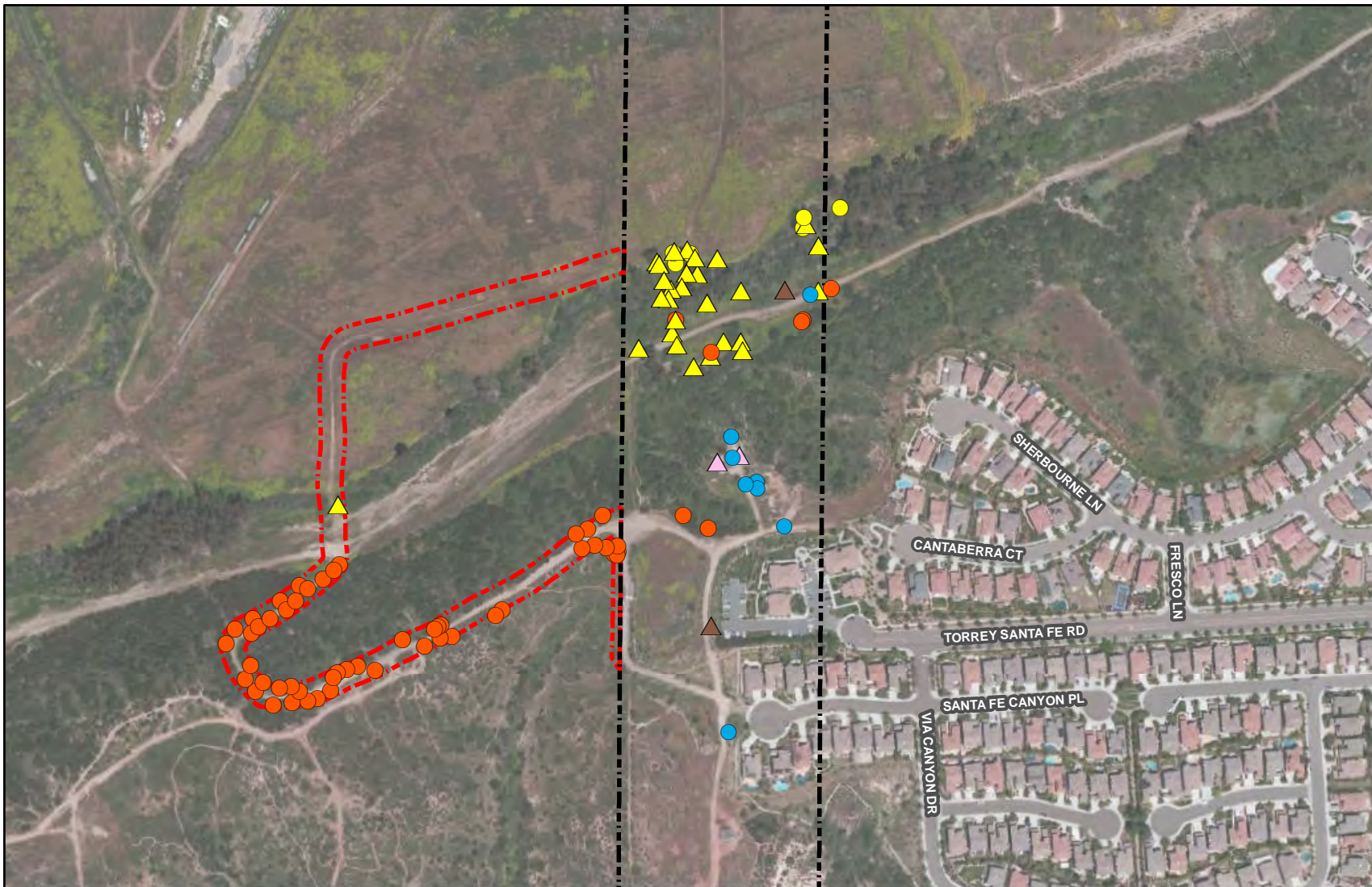
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Figure 3



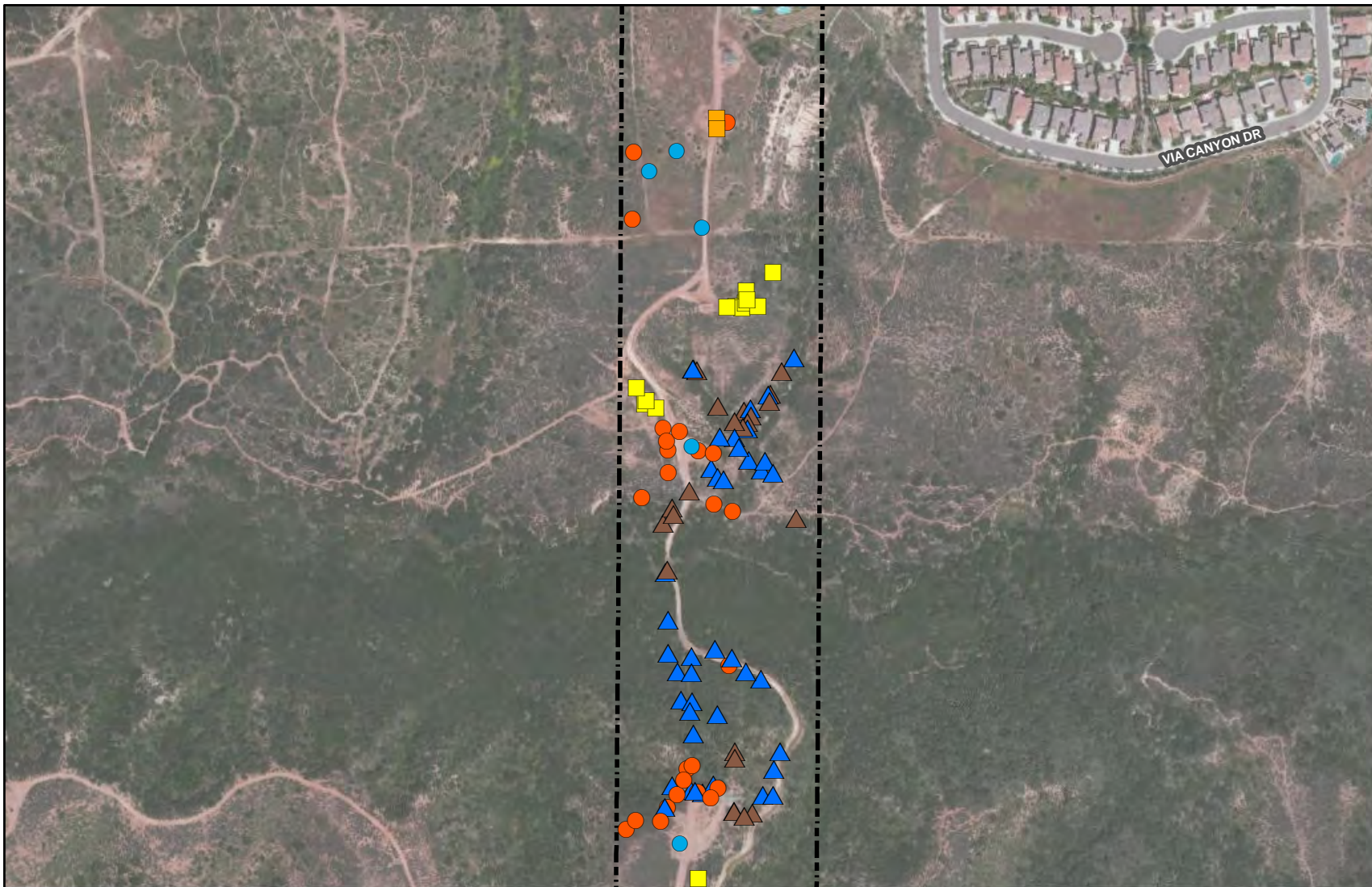
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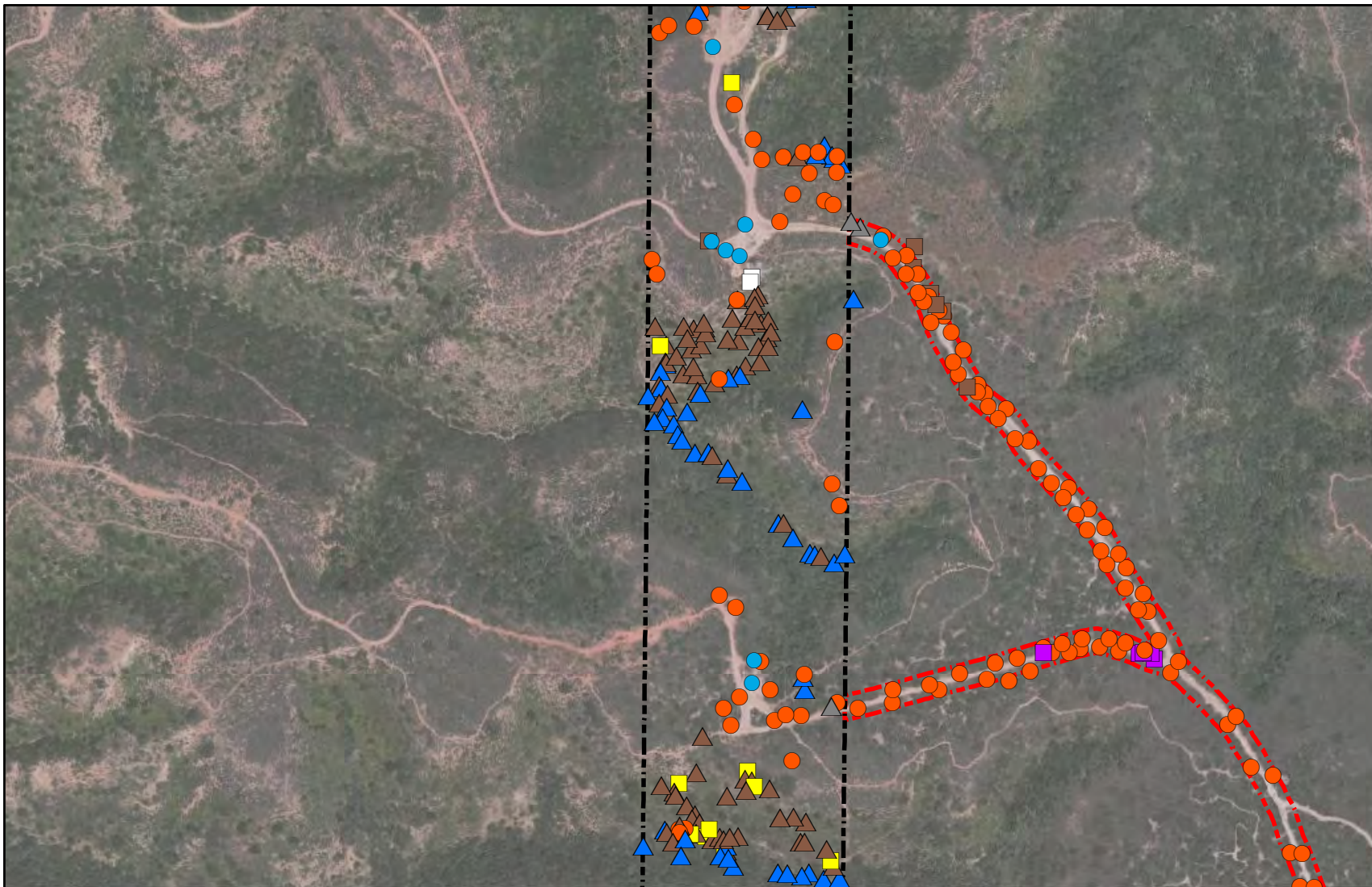
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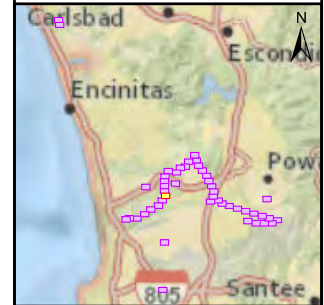
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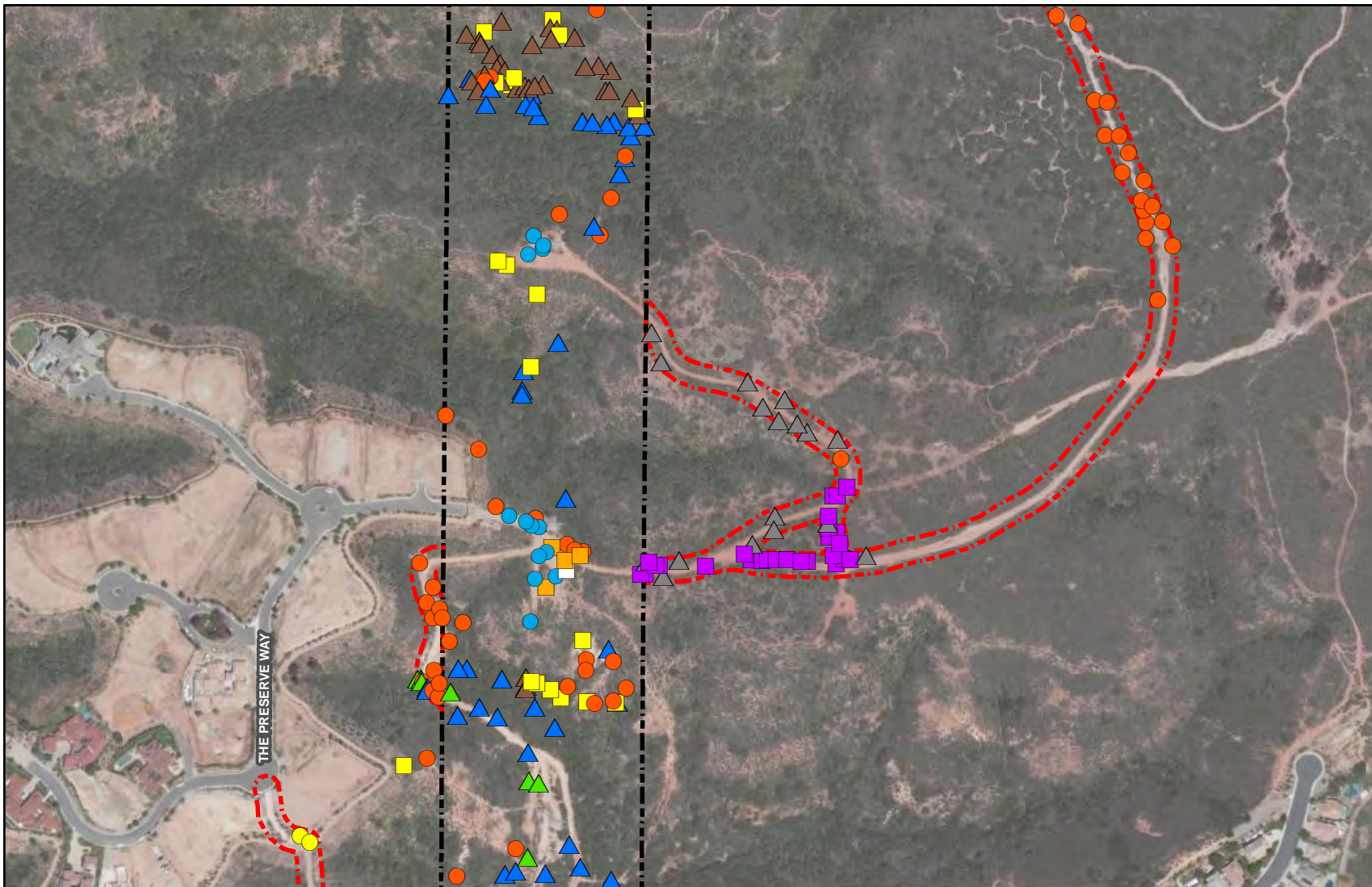
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- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
- ▲ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- ⋮ 2013/2014 Survey Area
- ⋮ 2015 Survey Area

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



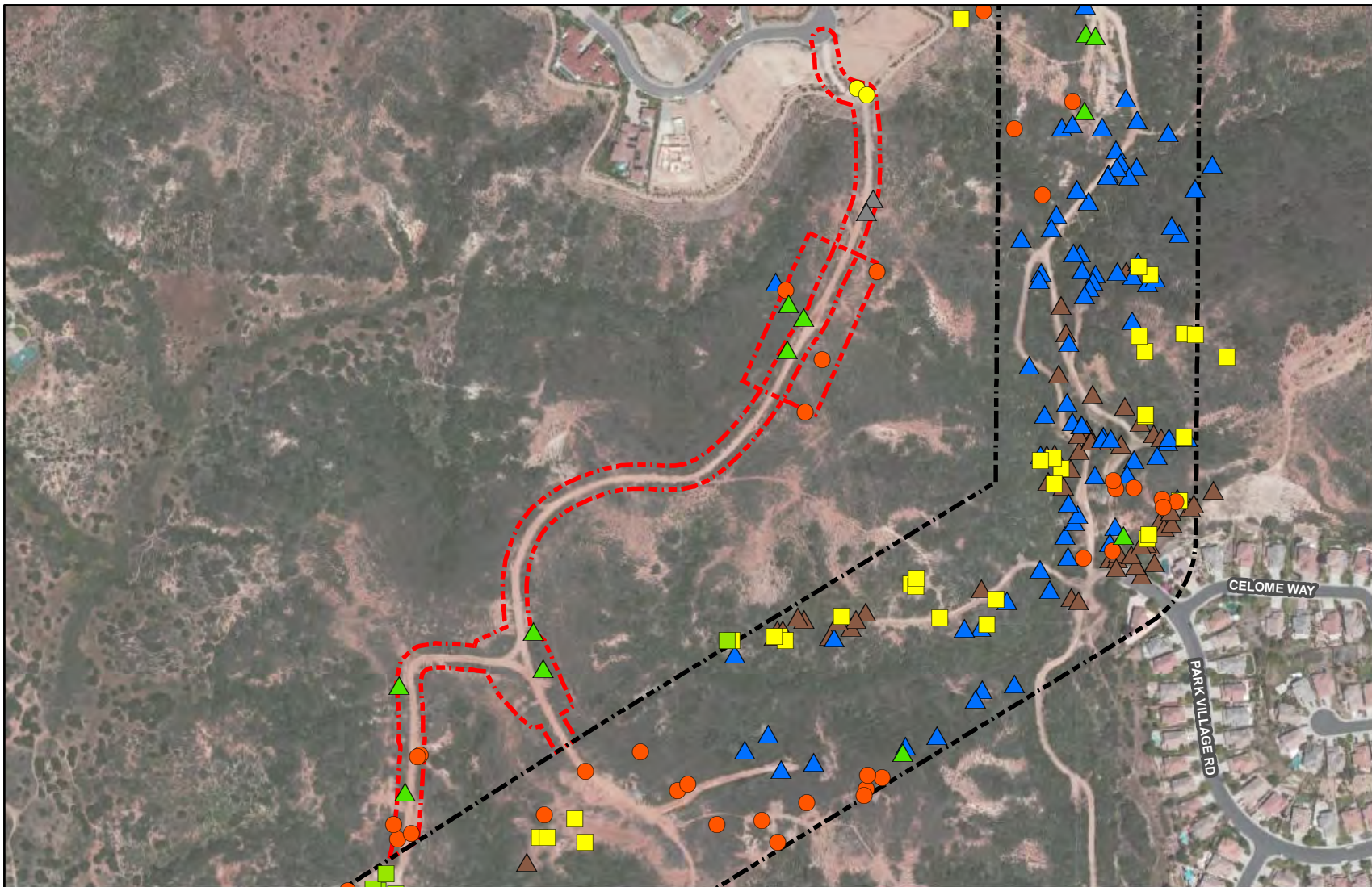
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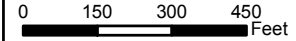
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230 kV Transmission Line
Project**

Results of Special-Status
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to Date

Figure 3

5/28/2015



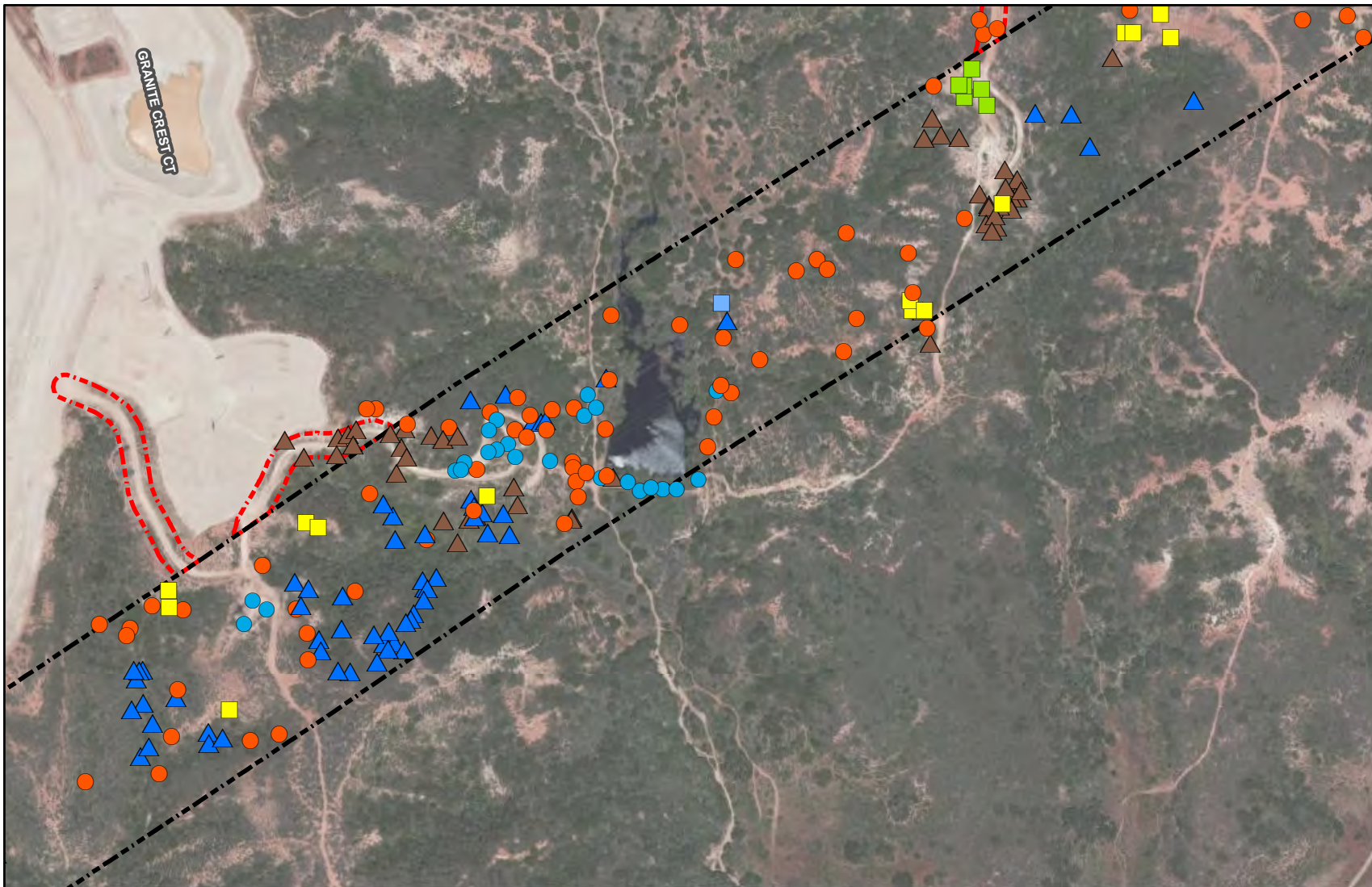
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Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
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- 2013/2014 Survey Area
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**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3

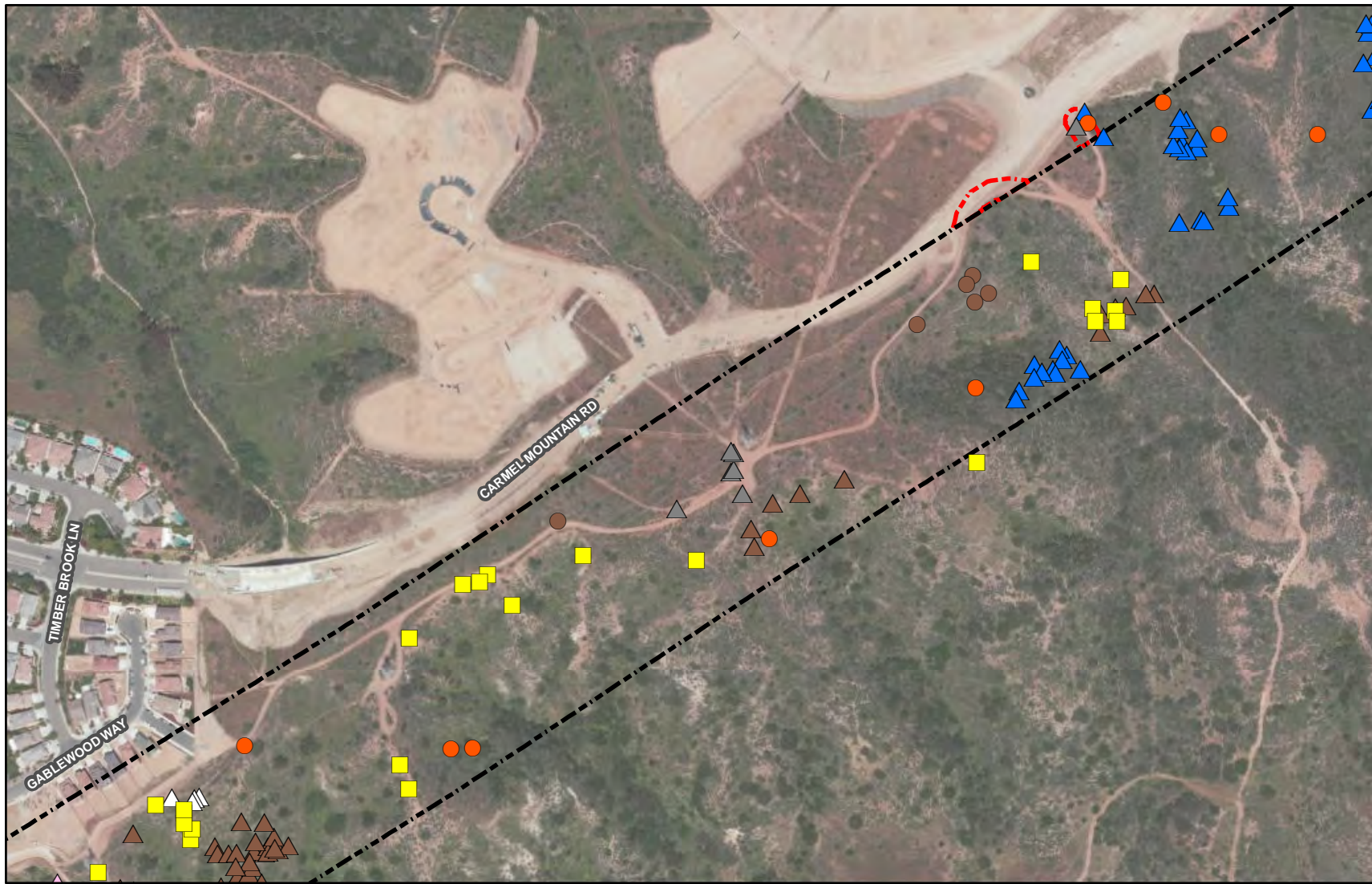
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- 2013/2014 Survey Area
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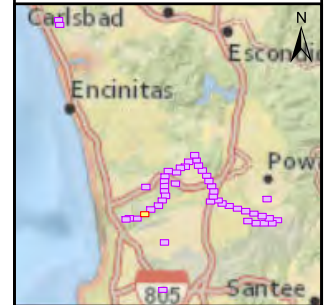
**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
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Figure 3



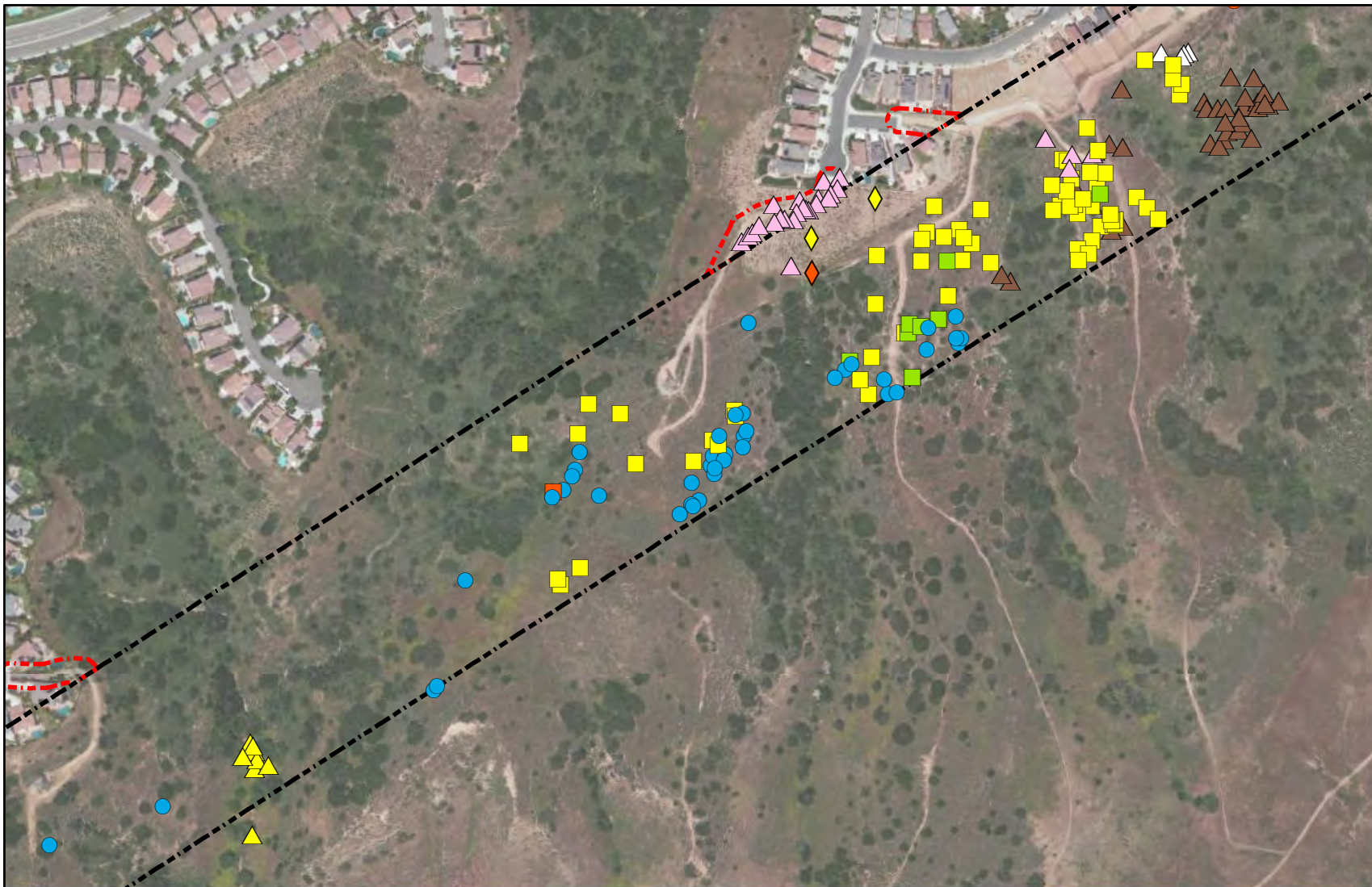
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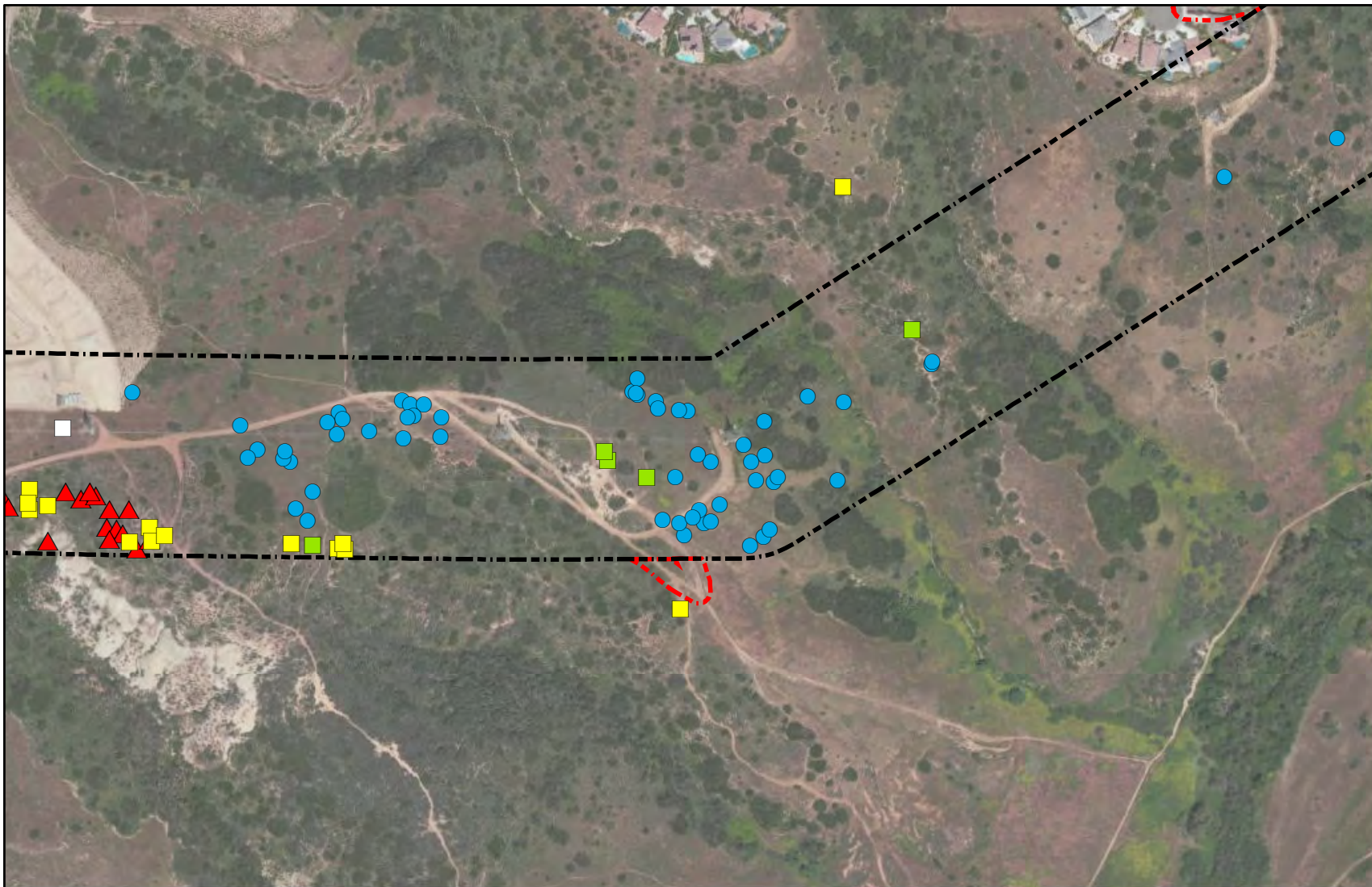
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 5/28/2015 
 0 150 300 450 Feet

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- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
- ▲ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
- Long-Spined Spineflower (*Chorizanthe polygonoides* var. *longispina*; 1B.2)

- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)
- 2013/2014 Survey Area
- 2015 Survey Area

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3





 5/28/2015 
 0 150 300 450 Feet

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Special-Status Plants Observed

- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
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- ▲ Summer-Holly (*Comarostaphylis diversifolia* ssp. *diversifolia*; CRPR 1B.2)
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- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
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- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
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- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
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- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
- 2015 Survey Area

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



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Special-Status Plants Observed

- ▲ Spineshrub (*Adolphia californica*; CRPR 2B.1)
- ▲ Ashy Spikemoss (*Selaginella cinerascens*; CRPR 4.1)
- ▲ Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*; FE, CRPR 1B.1)
- ▲ Palmer's Sagewort (*Artemisia palmeri*; CRPR 4.2)
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- ▲ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- △ Seaside Cistanthe (*Cistanthe maritima*; CRPR 4.2)
- Small-Flowered Morning-Glory (*Convolvulus simulans*; CRPR 4.2)
- Del Mar Mesa Sand Aster (*Corethrogyne filaginifolia* var. *linifolia*; 1B.1)
- Western Dichondra (*Dichondra occidentalis*; CRPR 4.2)
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- San Diego Button-Celery (*Eryngium aristulatum* ssp. *parishii*; FE, SE, CRPR 1B.1)
- Coast Barrel Cactus (*Ferocactus viridescens*; CRPR 2B.1)
- Palmer's Grapplinghook (*Harpagonella palmeri*; CRPR 4.2)
- Graceful Tarplant (*Holocarpha virgata* ssp. *elongata*; CRPR 4.2)
- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- Robinson's Pepper-Grass (*Lepidium virginicum* var. *robinsonii*; CRPR 4.3)
- Nuttall's Scrub Oak (*Quercus dumosa*; CRPR 1B.1)
- Thread-Leaved Brodiaea (*Brodiaea filifolia*; FT, SE, CRPR 1B.1)

Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
- ◇ Torrey Pine (*Pinus torreyana*; CRPR 1B.2)

- 2013/2014 Survey Area
- 2015 Survey Area

**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3





 5/28/2015 
 0 150 300 450
 Feet

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- Decumbent Goldenbush (*Isocoma menziesii* var. *decumbens*; CRPR 1B.2)
- San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
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Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
- ◆ San Diego Sunflower (*Bahiopsis laciniata*; CRPR 4.2)
- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
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- 2013/2014 Survey Area
- 2015 Survey Area

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**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



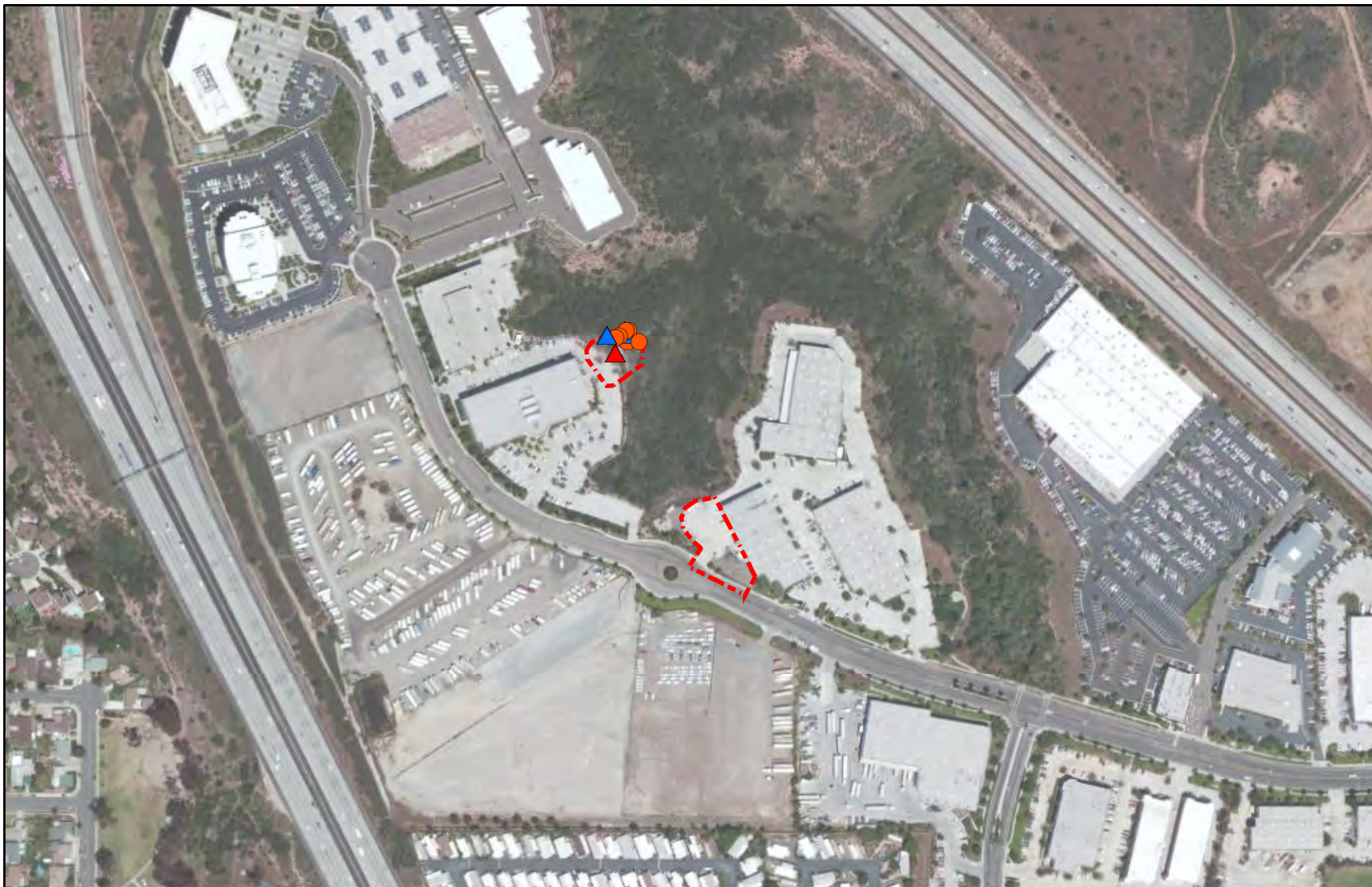
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Special-Status Plants Observed in Revegetated Areas

- ◆ San Diego Marsh-Elder (*Iva hayesiana*; CRPR 2B.2)
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- ◆ Wart-Stemmed Ceanothus (*Ceanothus verrucosus*; CRPR 2B.2)
- ◆ Spiny Rush (*Juncus acutus* ssp. *leopoldii*; CRPR 4.2)
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**Sycamore to Peñasquitos
230 kV Transmission Line
Project**

Results of Special-Status
Plant Surveys Completed
to Date

Figure 3



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