

## **Consolidation of Special-status Plant Studies**

High Desert Corridor/Los Angeles and San Bernardino Counties

63-mile (101-kilometer) Connection Between SR-14 and SR-18

District 7 & 8 LA & SB-New Highway

Project ID 0712000035

**October 2015**



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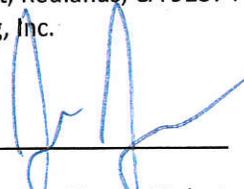
**November 2015**

US Department of Transportation  
Federal Highway Administration and  
California Department of Transportation  
Los Angeles County Metropolitan Transportation Authority

Prepared By: 

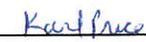
Date: 11/5/15

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Date: 11/5/15

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## High Desert Corridor: Consolidation of Special-status Plant Studies

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The proposed project known as the High Desert Corridor has been in the development and design phase for many years. During this time, design changes have occurred. As a result, numerous biological surveys were conducted to ensure all areas within the proposed project limits were investigated. In response to comments on the 2015 DEIR/EIS regarding difficulty in referring to the numerous technical studies, Caltrans' consultant ECORP Consulting consolidated the special-status plant surveys into this one brief report and map set for easier referencing in the CEQA/NEPA document. To minimize redundancy and reduce the size of this document, this document is prepared with the intent that only this one consolidated report will be included in the appendices of the Natural Environment Study Report and the Final EIR/EIS documents.

### Methods

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Focused special-status plant surveys were conducted by AMEC, ECORP, and ICF between 2008 and 2015. All surveys special-status plant surveys were performed in accordance to California Department of Fish and Game (CDFG) Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities (CDFG 2009), California Native Plant Society (CNPS) Botanical Survey Guidelines published by CNPS (2001), and by meandering transects focusing on areas that has potential to support special-status plant species. The following list of studies conducted for special-status plants is consolidated in this report:

- Spring 2011 Rare Plant Species Report and Plant Community Mapping Report High Desert Corridor Project (AMEC 2011), San Bernardino County, California
- 2011 Special Status Plant Survey Report for the High Desert Corridor District 7 (ICF 2012), east Los Angeles County, California
- Biological Survey Results Report for the State Route 138 New Freeway Construction Project (ECORP 2012), west Los Angeles County, California – surveys conducted in 2008 and 2009
- 2012 Southwestern Willow Flycatcher and Least Bell's Vireo Surveys for the High Desert Corridor Project (ECORP 2012b), San Bernardino County
- 2014 Southwestern Willow Flycatcher and Least Bell's Vireo Surveys for the High Desert Corridor Project (ECORP 2014), San Bernardino County
- Two rounds of rare plant surveys conducted throughout the entire Project area in Spring 2015 (ECORP 2015), San Bernardino and Los Angeles Counties, California

### Results

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A total of five special-status plant species were observed and recorded during the focused rare plant surveys. Findings of the five species include six locations of Akali mariposa lily (*Calochortus striatus*) (CNPS list 1B.2), four populations of Booth's evening primrose (*Eremothera boothii ssp. boothii*) (CNPS list 2B.3), five populations and one individual of pygmy poppy (*Canbya candida*) (CNPS list 4.2), five populations of crowned muilla (*Muilla coronata*) (CNPS list 4.2), and eight locations of Mojave fish-hook cactus (*Sclerocactus polyancistrus*) (CNPS list 4.2). In addition, several populations of potential Booth's

hairy evening primrose (*Eremothera boothii* ssp. (cf.) *intermedia*) and an unknown species of milkvetch (*Astragalus* sp.) were observed, but were not able to be definitively identified by a dichotomous key. None of these species are state- or federally-listed. If the reader wishes to review any of the individual technical studies, those reports can be made available upon request. Attachment 1 contains one map set presenting all of the study areas and survey results recorded during each survey summarized in this report. The individual data set from each report are identified on the map. In addition, incidental special-status plant observations made during other surveys are also presented. If the reader wishes to review any of the individual technical studies, those reports are available at the following website: [http://www.dot.ca.gov/dist07/HDC/HDC\\_Final\\_EIR-EIS/](http://www.dot.ca.gov/dist07/HDC/HDC_Final_EIR-EIS/) (case sensitive).

- Spring 2011 Rare Plant Species Report and Plant Community Mapping Report High Desert Corridor Project (AMEC 2011), San Bernardino County, California
  - Four locations of Mojave fish-hook cactus were mapped in San Bernardino County
  - Six locations of alkali mariposa lily were mapped in San Bernardino County
- 2011 Special Status Plant Survey Report for the High Desert Corridor District 7 (ICF 2012), east Los Angeles County, California
  - Results were negative
- Biological Survey Results Report for the State Route 138 New Freeway Construction Project (ECORP 2012a), west Los Angeles County, California – surveys conducted in 2008 and 2009
  - Six population of white pygmy poppy, totaling approximately 285 individuals, were found in Spring 2008 surveys in west Los Angeles County
  - Five populations of crowned muilla, totaling approximately eight individuals, were found in Spring 2008 surveys in west Los Angeles County
- 2012 Southwestern Willow Flycatcher and Least Bell’s Vireo Surveys for the High Desert Corridor Project (ECORP 2012b), San Bernardino County
  - One population of Booth’s evening primrose with one plant observed
- 2014 Southwestern Willow Flycatcher and Least Bell’s Vireo Surveys for the High Desert Corridor Project (ECORP 2014), San Bernardino County
  - Two populations of Booth’s evening primrose with six to 10 individuals observed
- Two rounds of rare plant surveys conducted throughout the entire Project area in Spring 2015, San Bernardino and Los Angeles Counties, California
  - Two locations of Booth’s evening primrose, totaling 10 individuals, were found in Los Angeles County
  - Four locations of Mojave fish-hook cactus, totaling five individuals, were found in Los Angeles County
  - In addition, 14 potential populations of Booth’s hairy evening primrose were mapped during the Spring 2015 surveys; however, these have not yet been confirmed to be the sensitive variety

## Literature Cited

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[ECORP 2012a] ECORP Consulting, Inc. 2012. Biological Survey Results Report for the State Route 138 New Freeway Construction Project. April 2012.

[ECORP 2012b]. ECORP Consulting, Inc. 2012 Southwestern Willow Flycatcher and Least Bell's Vireo Surveys for the High Desert Corridor Project. State of California Department of Transportation Environmental Planning.

[ECORP 2014]. ECORP Consulting, Inc. 2014 Southwestern Willow Flycatcher and Least Bell's Vireo Surveys for the High Desert Corridor Project. State of California Department of Transportation Environmental Planning.

[ECORP 2015] ECORP Consulting, Inc. 2015. Two rounds of rare plant surveys conducted throughout the entire Project area in Spring 2015.

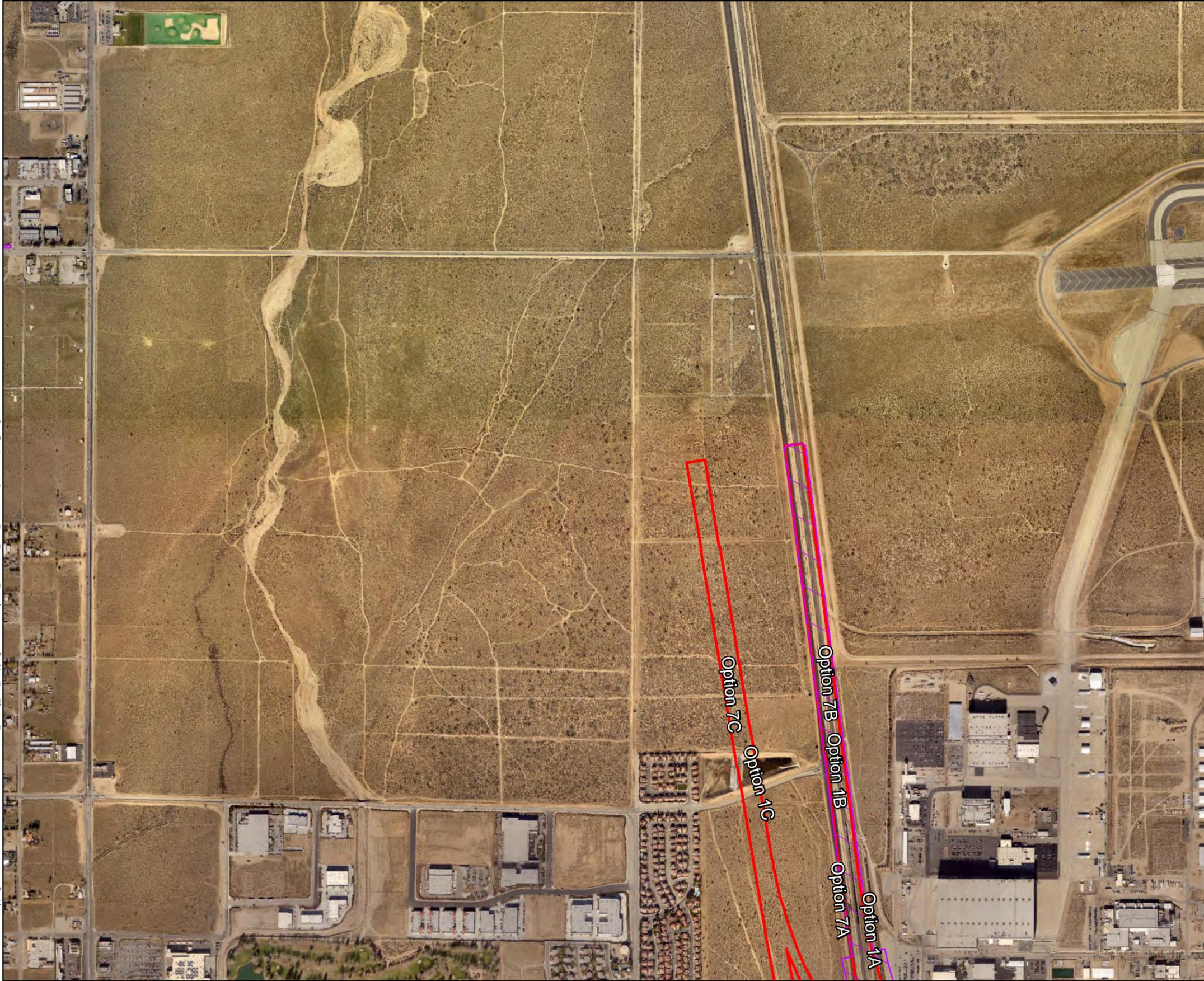
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[ICF 2012] ICF International. 2012. 2011 Special Status Plant Survey Report for the High Desert Corridor District 7. Los Angeles County, California. August. San Diego, California.

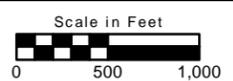
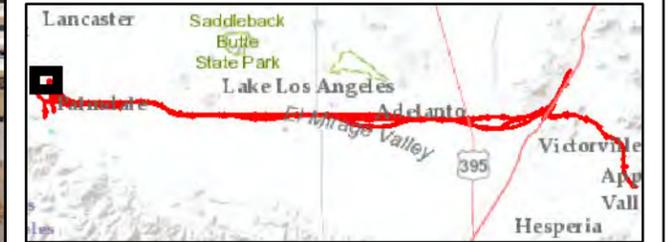
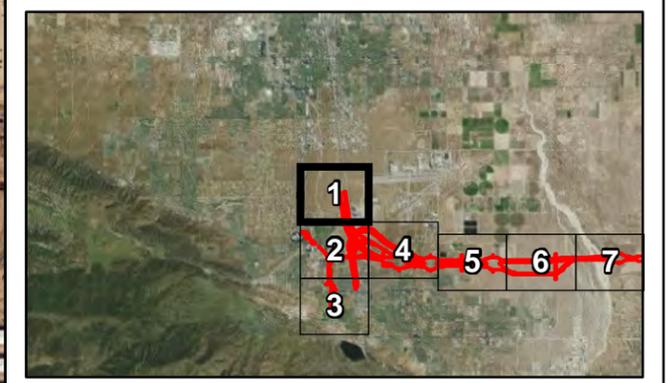
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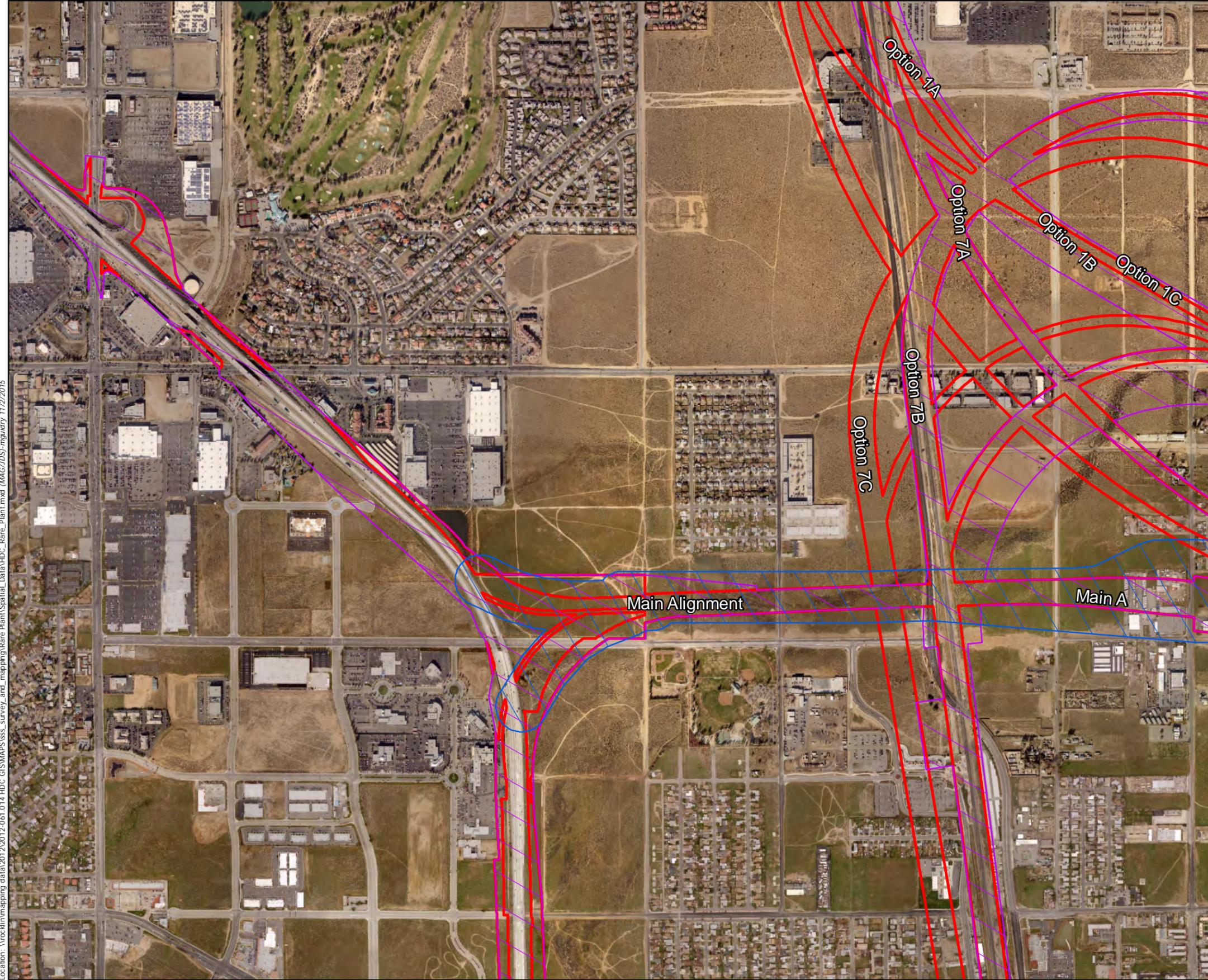


### Summary Special Status Plants Map Within the Biological Study Area Sheet: 1 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



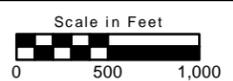
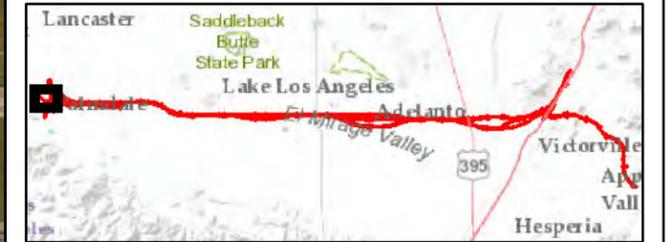
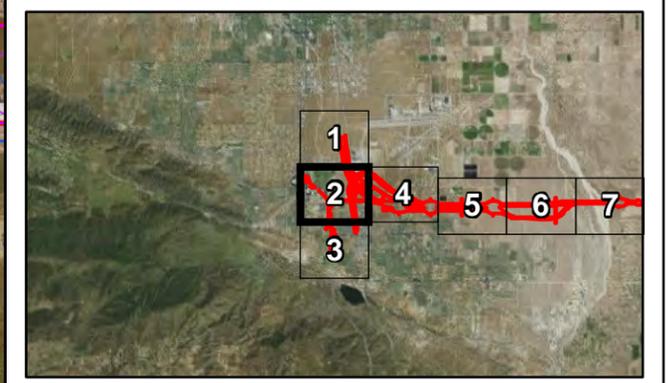


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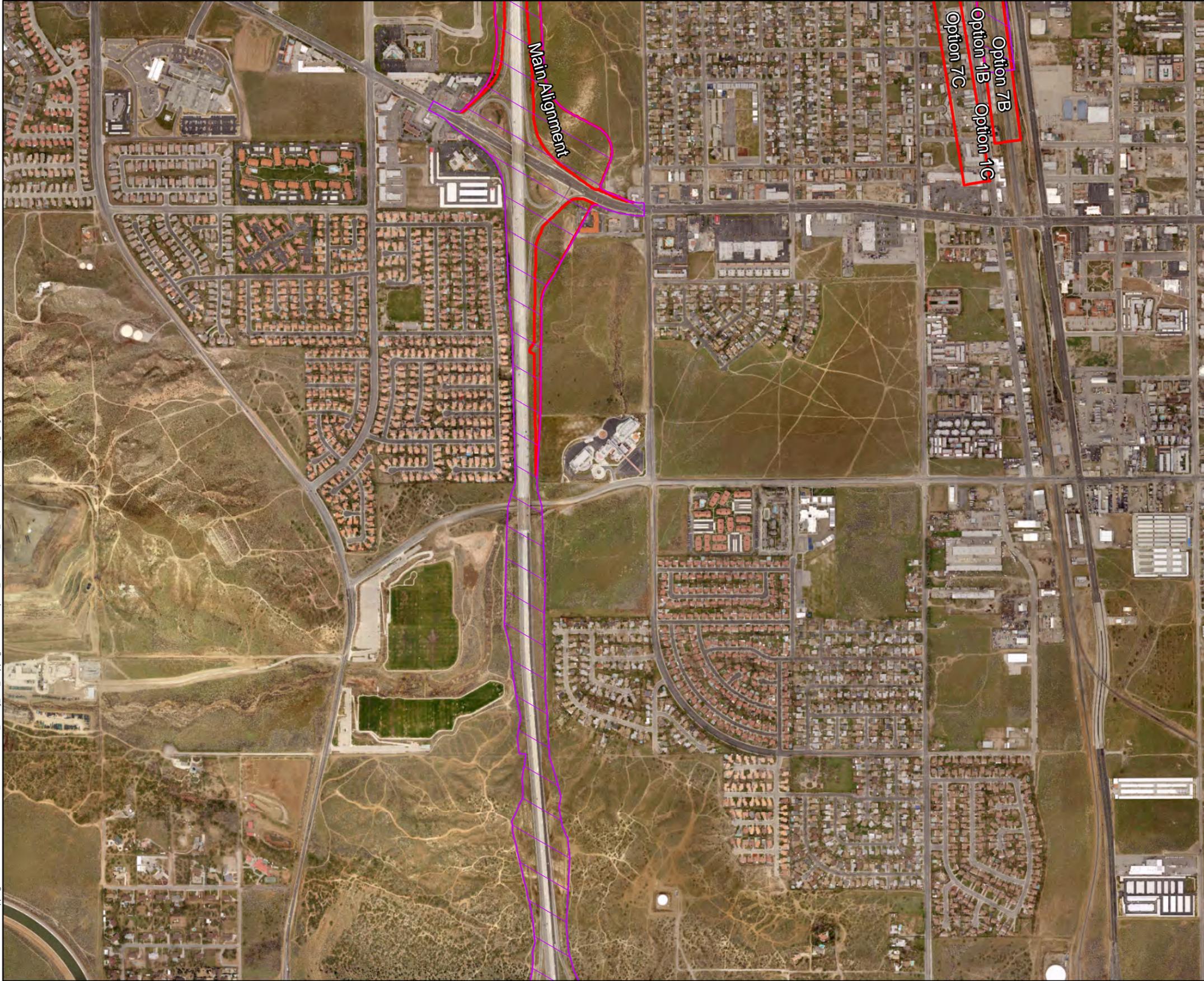
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- Survey Area: Company - Survey Year <sup>2</sup>
- ICF - 2012
- ECORP - 2015

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<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



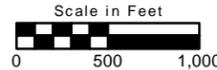
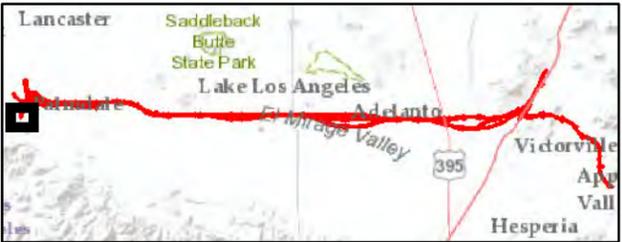
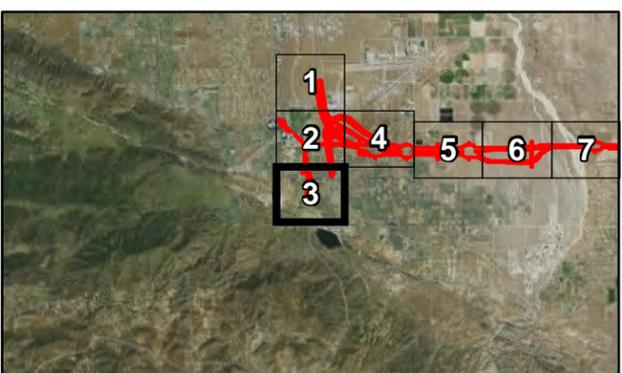
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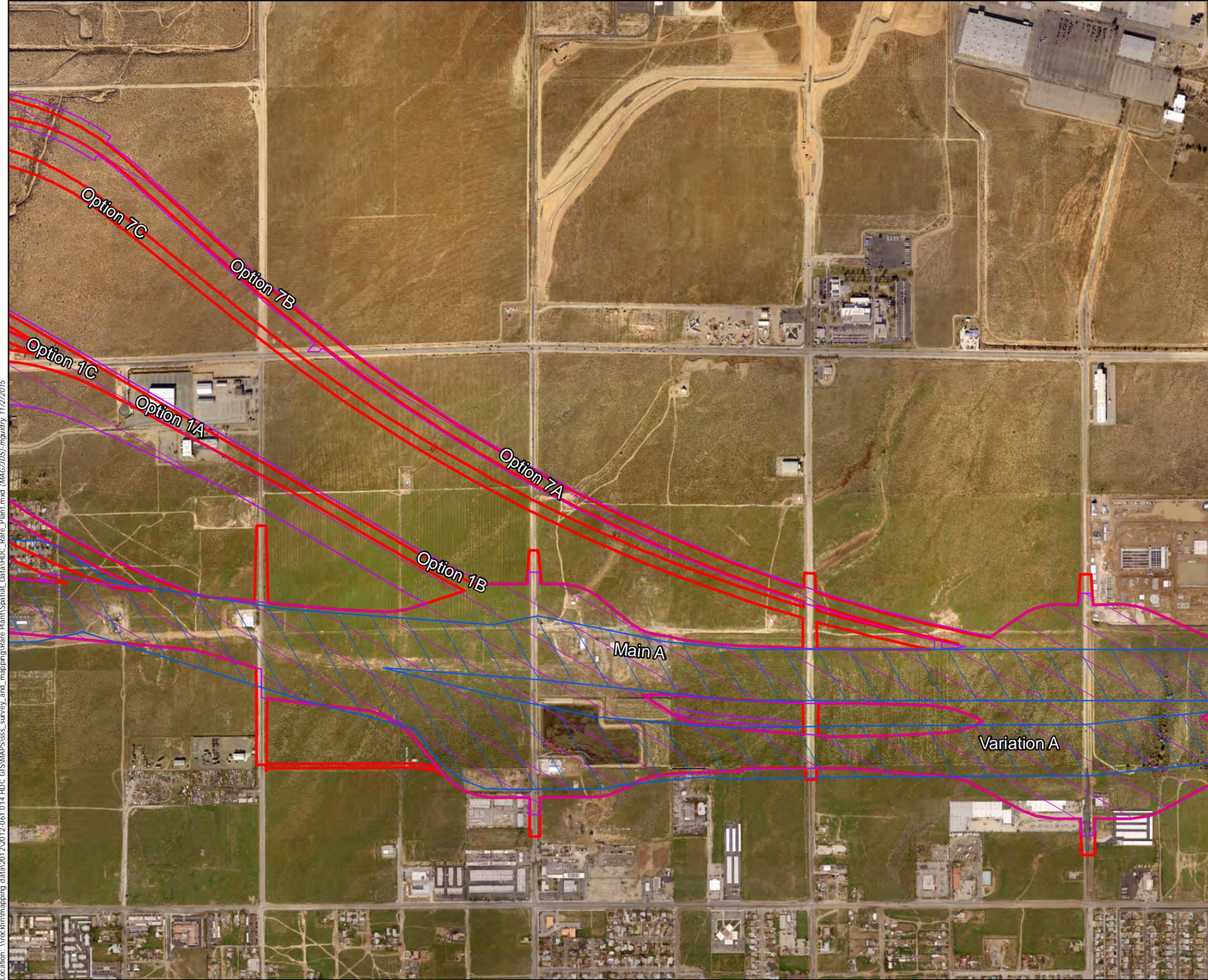


# Summary Special Status Plants Map Within the Biological Study Area Sheet: 3 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



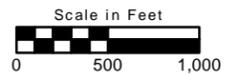
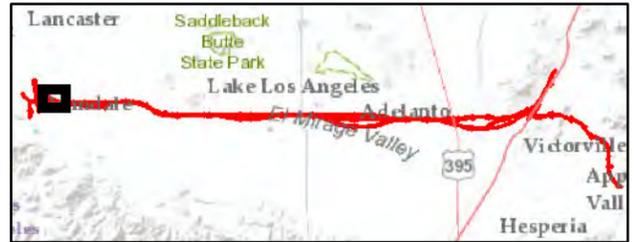
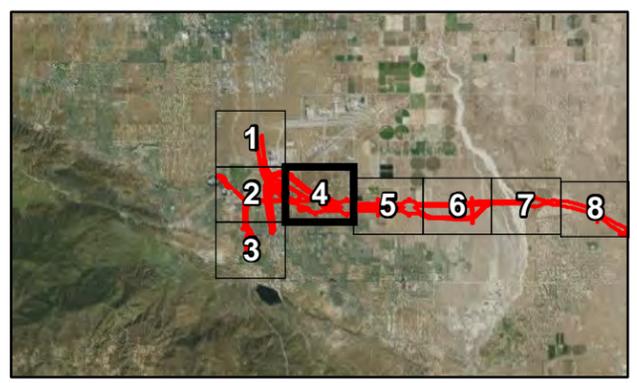


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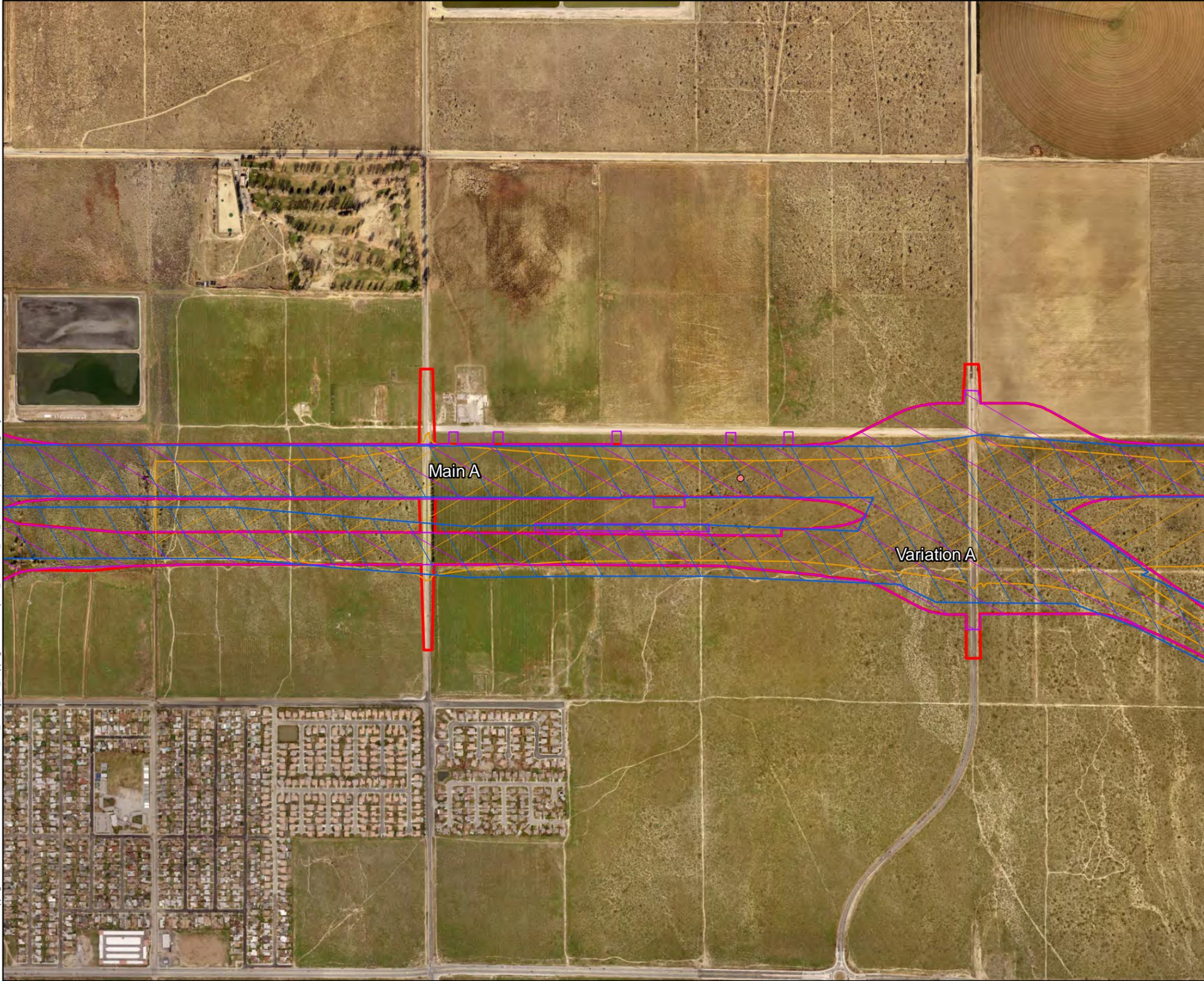
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- Survey Area: Company - Survey Year <sup>2</sup>
- ICF - 2012
- ECORP - 2015

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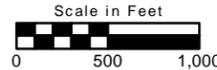
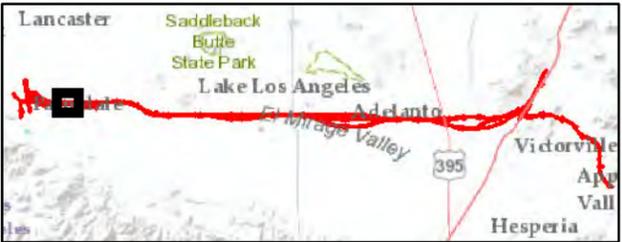
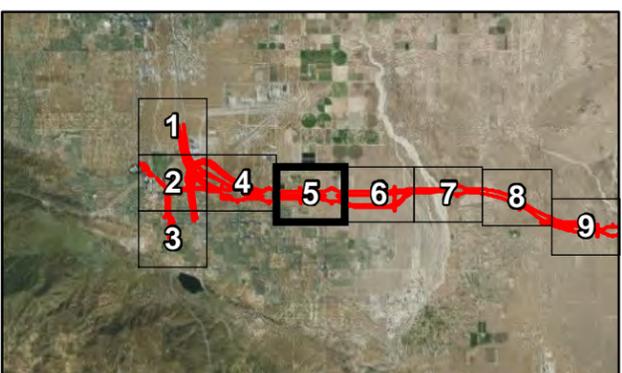
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# Summary Special Status Plants Map Within the Biological Study Area Sheet: 5 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- ECORP - 2008
- ICF - 2012
- ECORP - 2015
- Special Status Plant (Area) <sup>2</sup>
- Crowned Muilla

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



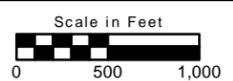
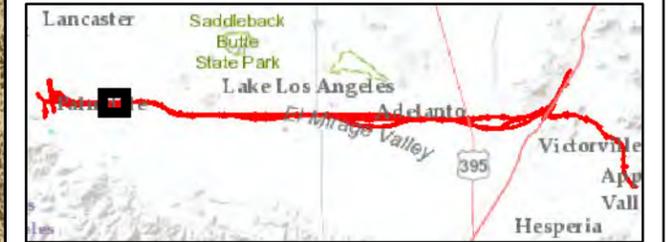
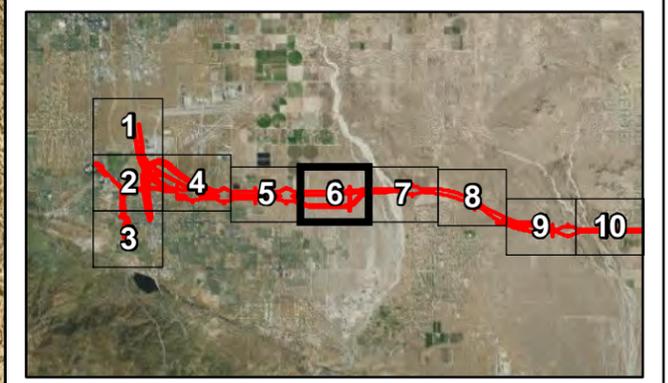
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# Summary Special Status Plants Map Within the Biological Study Area Sheet: 6 of 36

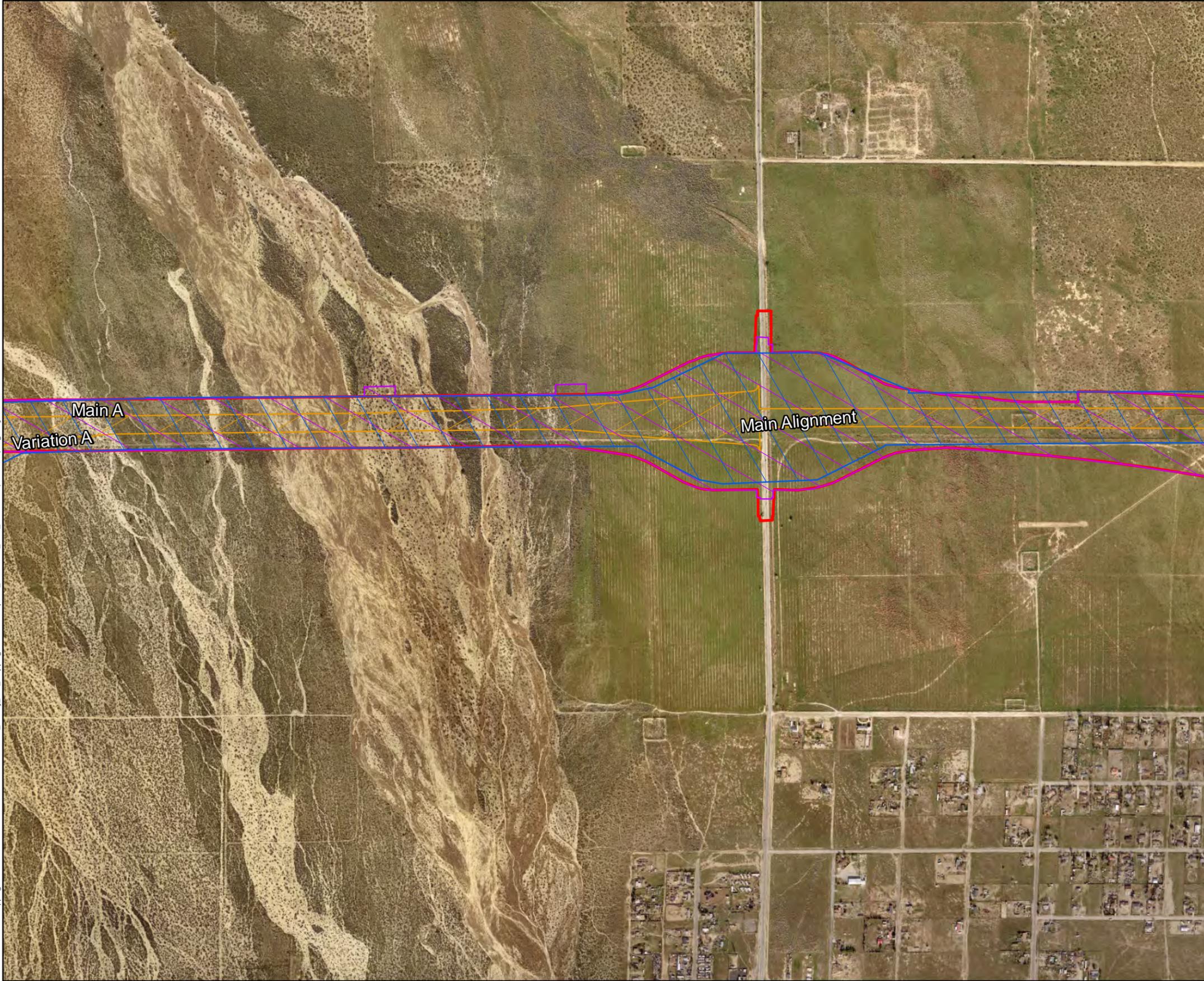
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- Survey Area: Company - Survey Year <sup>2</sup>
-  ECORP - 2008
-  ICF - 2012
-  ECORP - 2015
- Special Status Plant (Area) <sup>2</sup>
-  Crowned Muilla
-  White Pygmy Poppy



<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



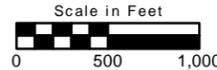
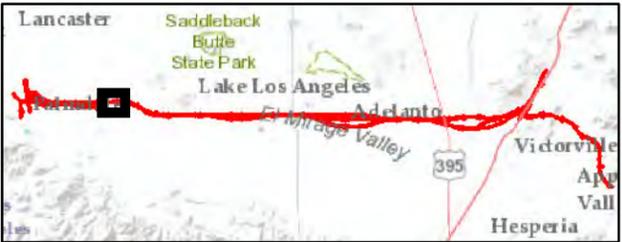
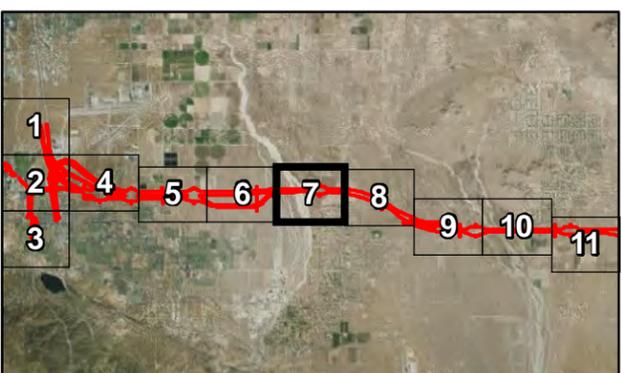
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### Summary Special Status Plants Map Within the Biological Study Area Sheet: 7 of 36

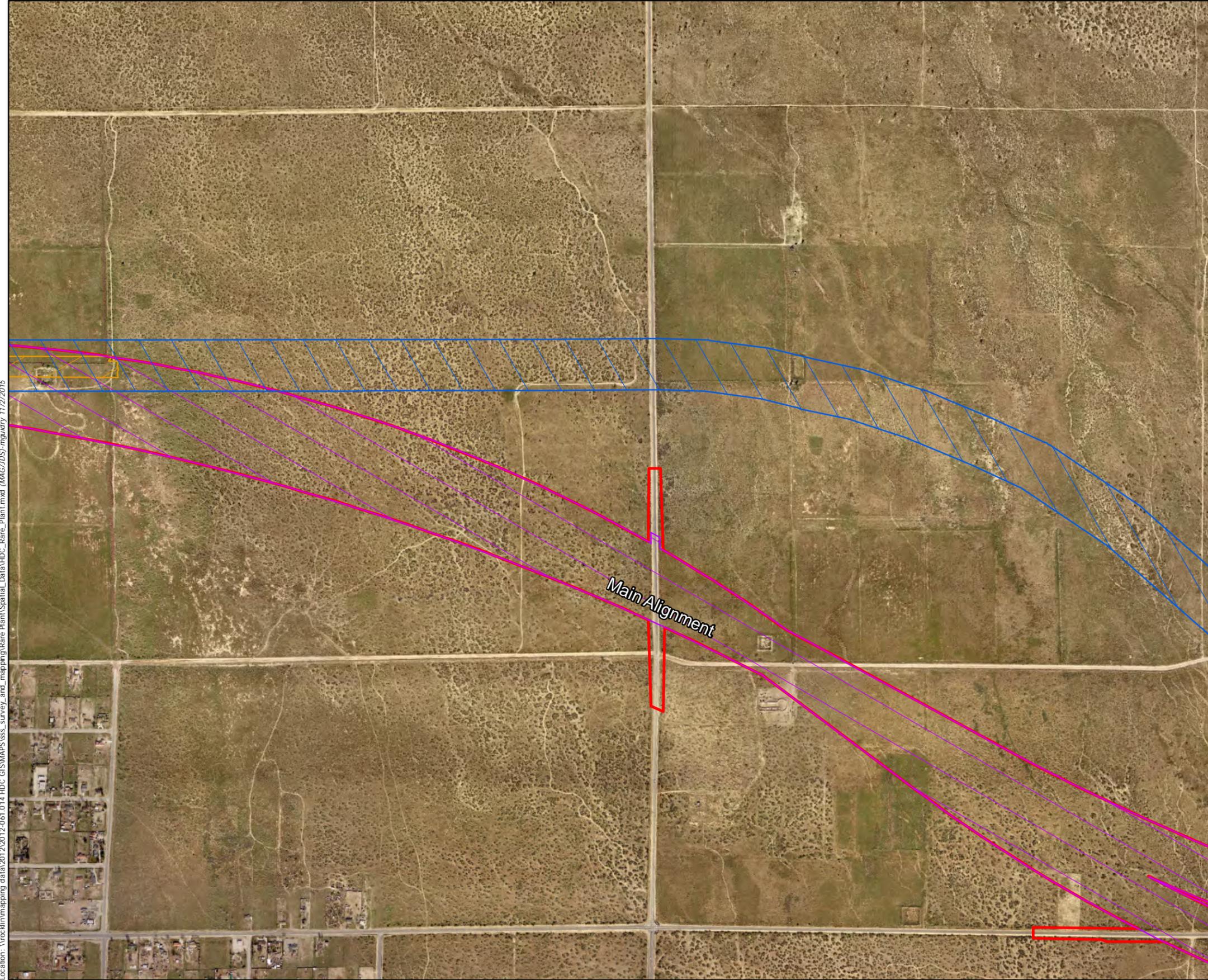
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<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



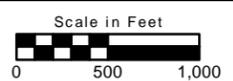
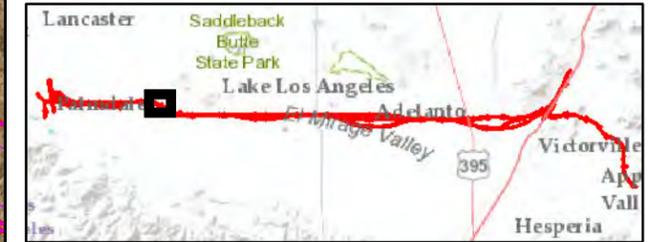
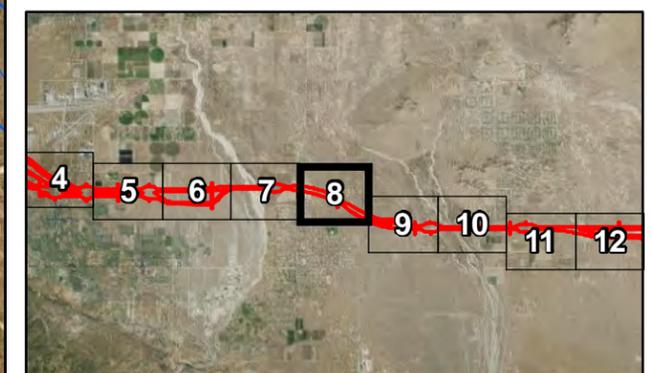
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-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  ECORP - 2008
-  ICF - 2012
-  ECORP - 2015



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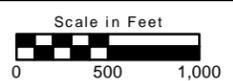
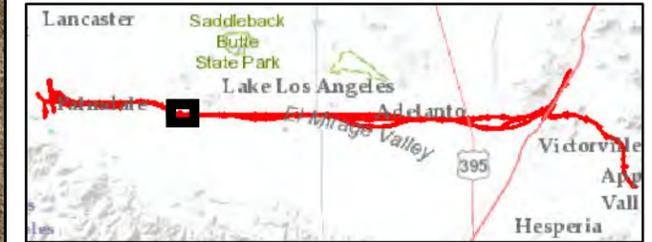
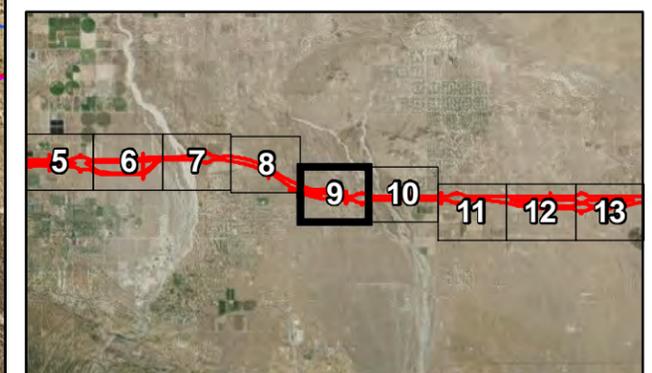
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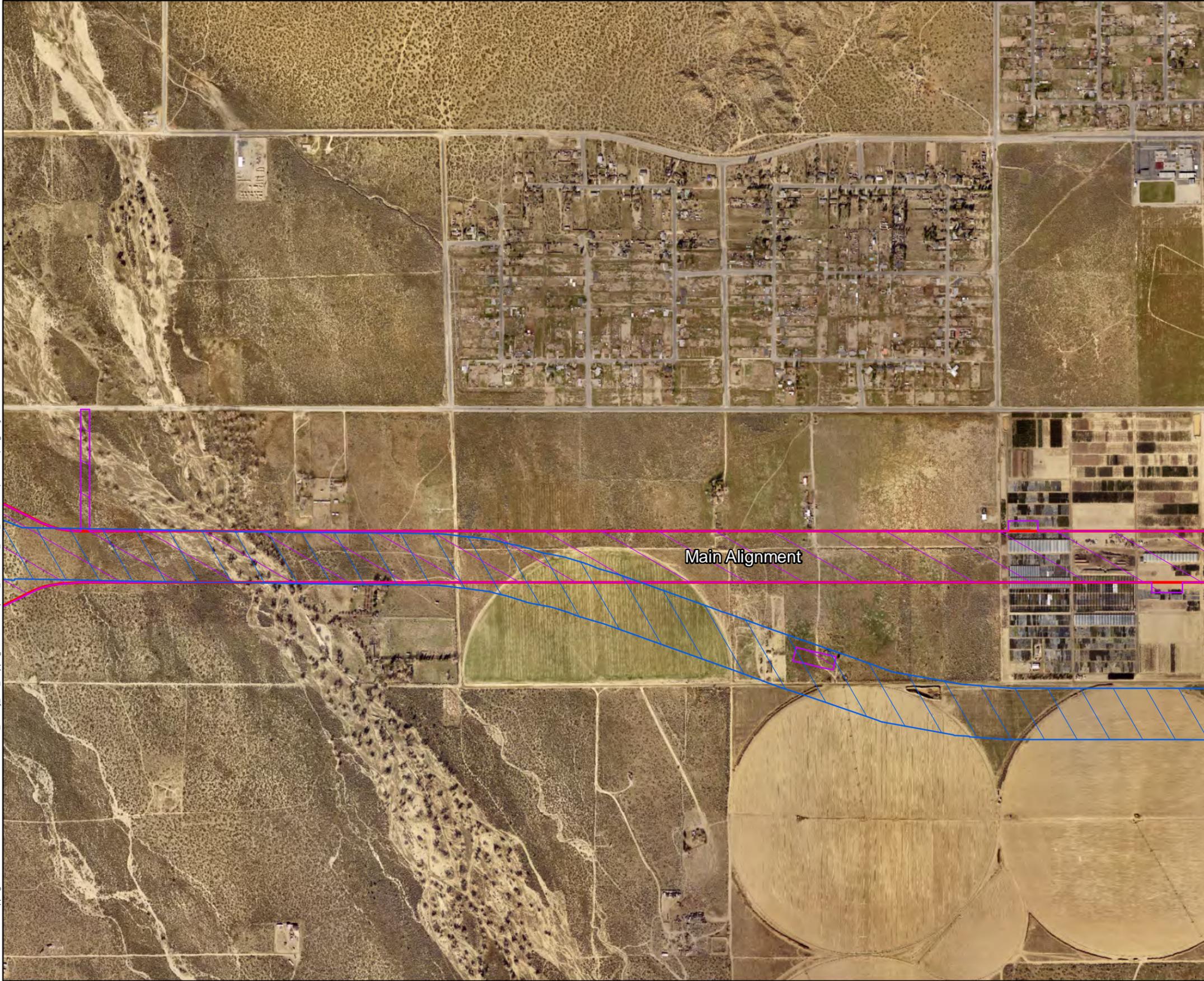
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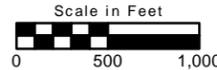
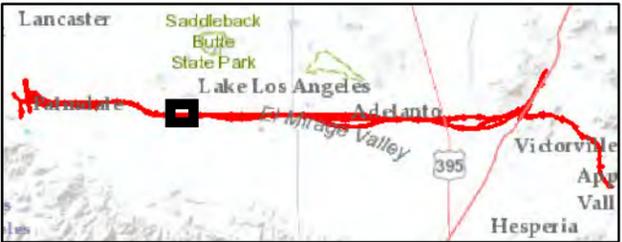
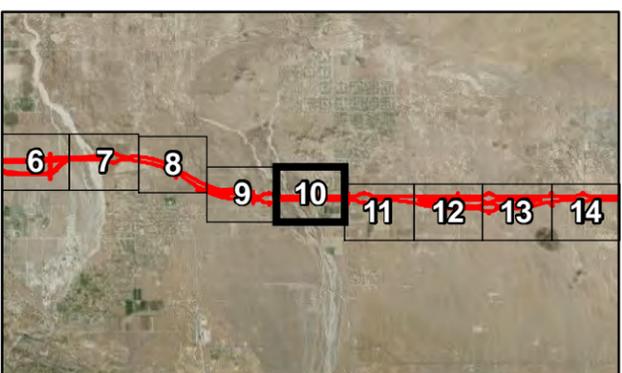
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### Summary Special Status Plants Map Within the Biological Study Area Sheet: 10 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
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-  ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



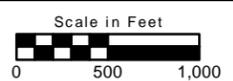
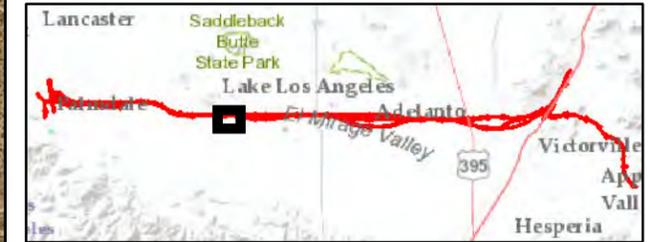
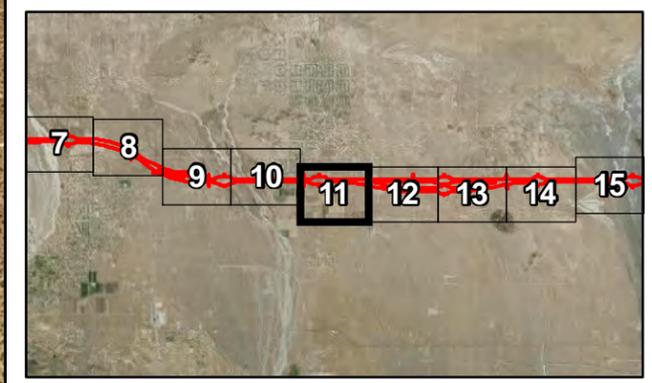
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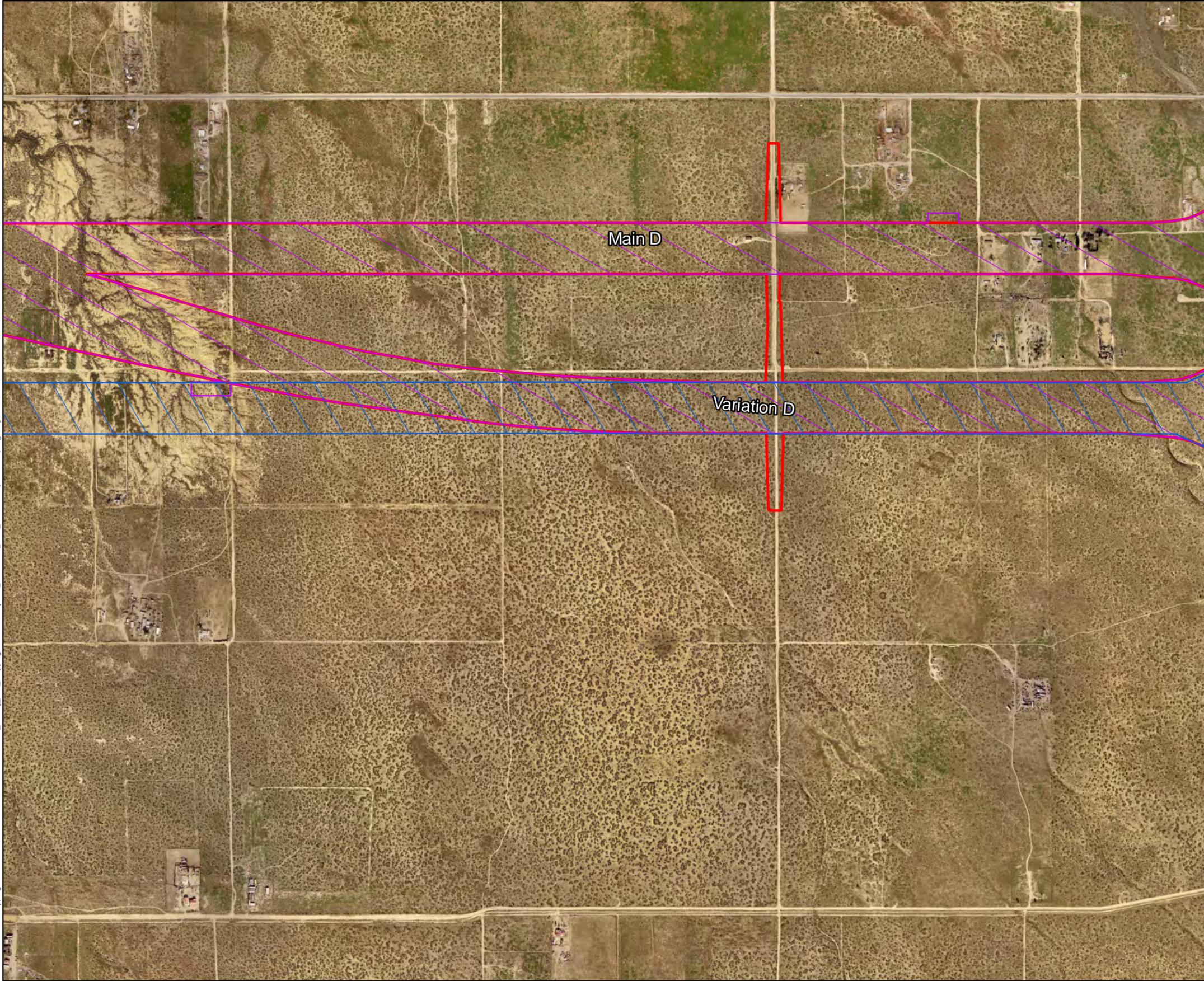
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<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



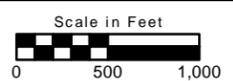
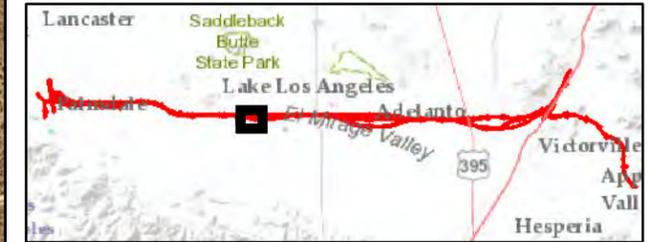
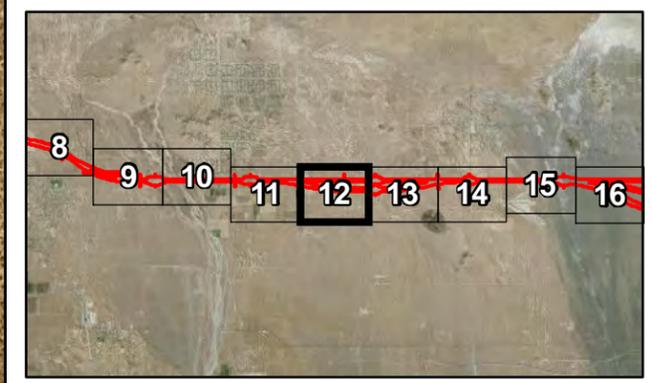
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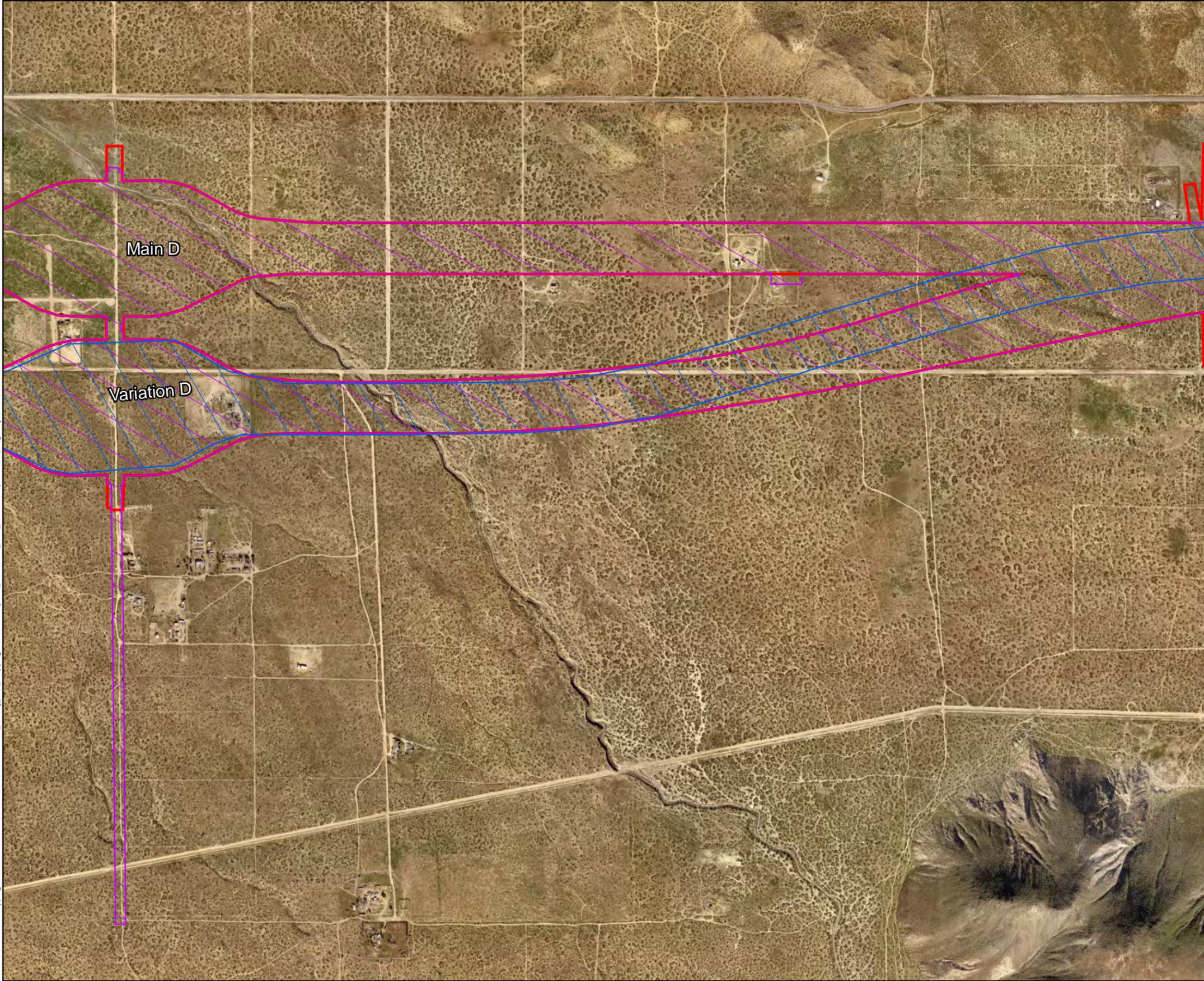
### Summary Special Status Plants Map Within the Biological Study Area Sheet: 12 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  ICF - 2012
-  ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



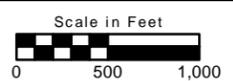
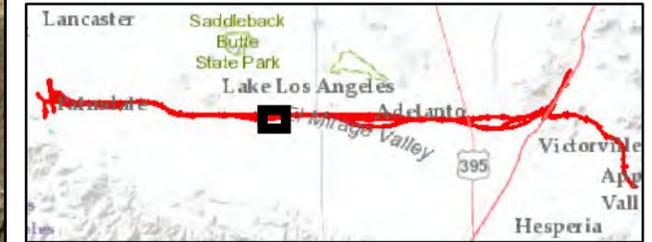
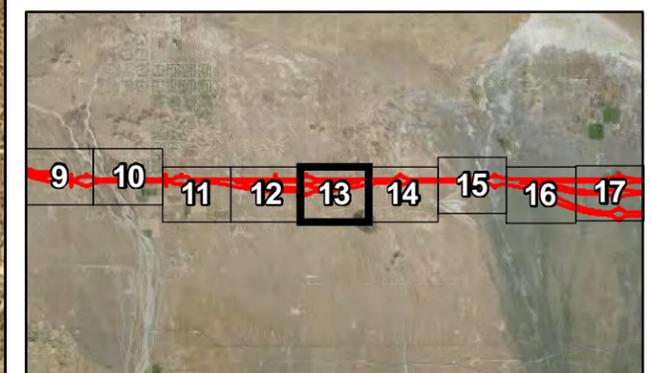
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### Summary Special Status Plants Map Within the Biological Study Area Sheet: 13 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  ICF - 2012
-  ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



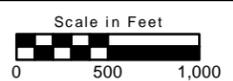
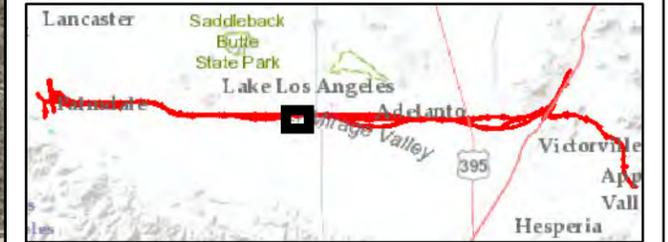
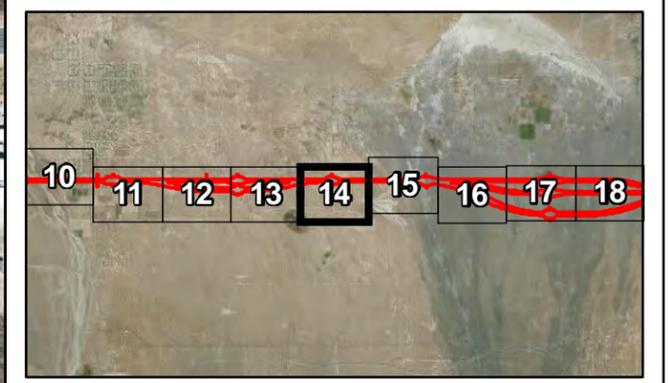
Location: \\vocal\m\mapping\data\2012-061-014 HDC GIS\MAPS\ssss\_survey\_and\_mapping\Rare Plant\Spatial\Data\HDC\_Rare\_Plant.mxd (MAG/IDS) mg/ldry 11/2/2015



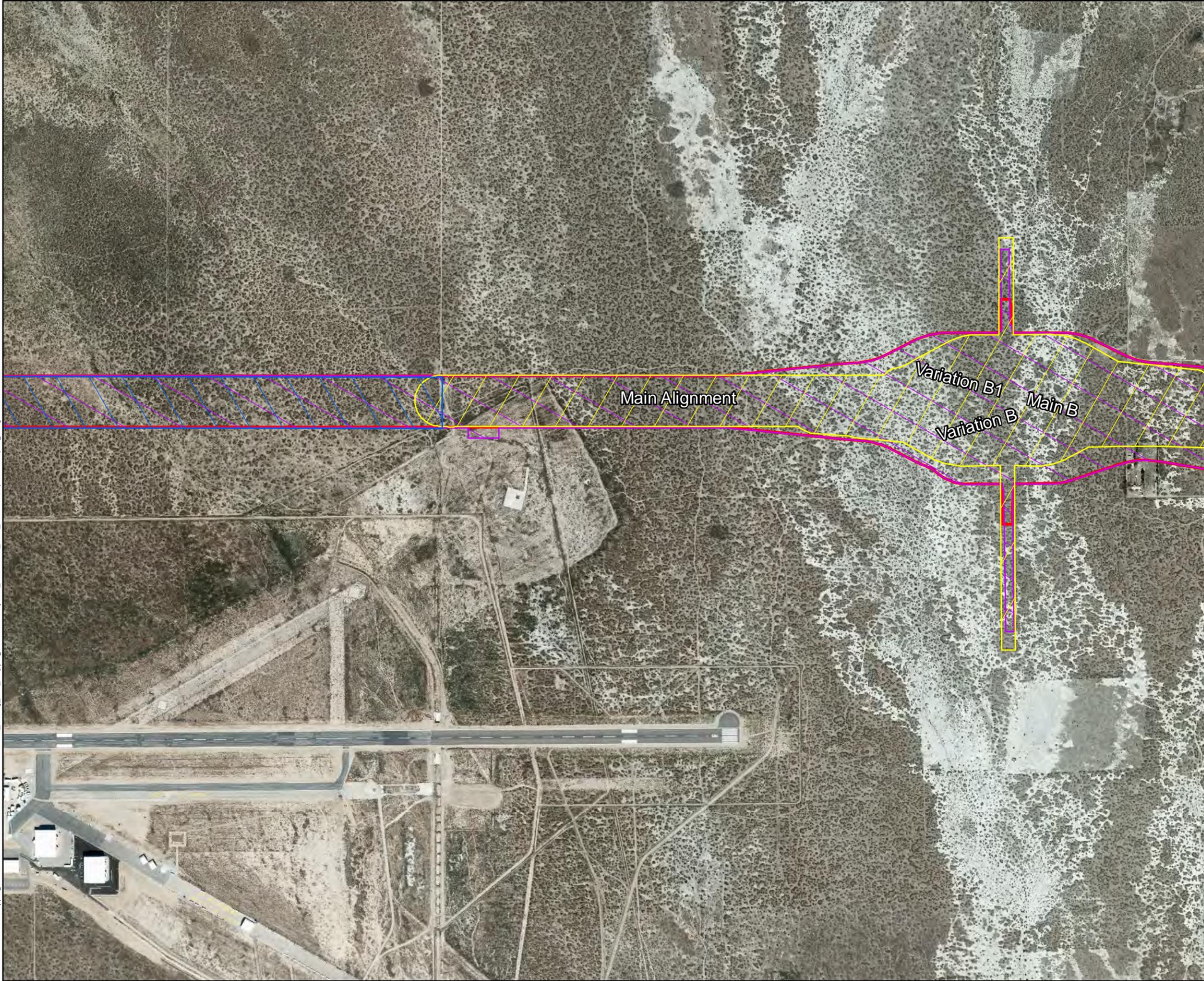
### Summary Special Status Plants Map Within the Biological Study Area Sheet: 14 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  ICF - 2012
-  ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



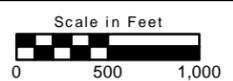
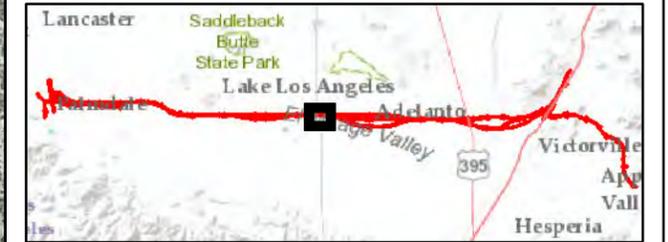
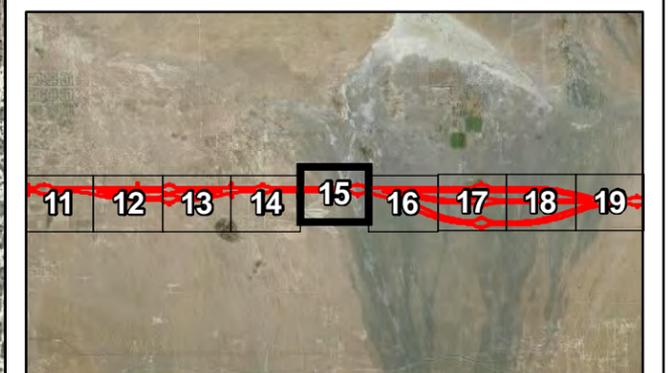
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### Summary Special Status Plants Map Within the Biological Study Area Sheet: 15 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  AMEC - 2011
-  ICF - 2012
-  ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



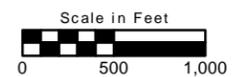
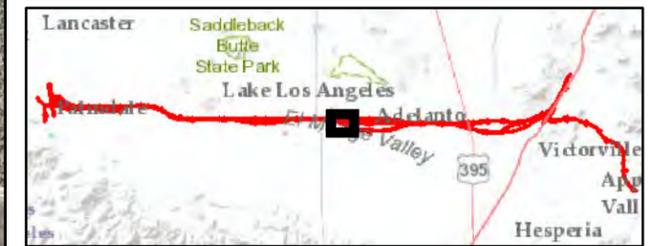
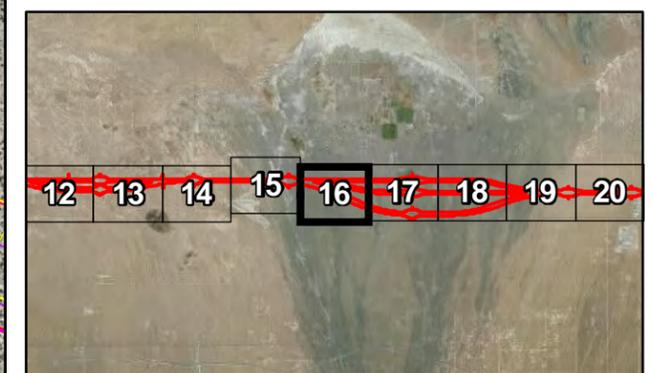
# Summary Special Status Plants Map Within the Biological Study Area Sheet: 16 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  AMEC - 2011
-  ECORP - 2015



Location: \\rocklin\mapping\data\2012\061-014 HDC GIS\MAPS\ssss\_survey\_and\_mapping\Rare\_Plant\Spatial\_Data\HDC\_Rare\_Plant.mxd (MAG/IDS)mg/ldry 11/2/2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



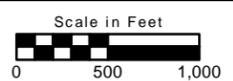
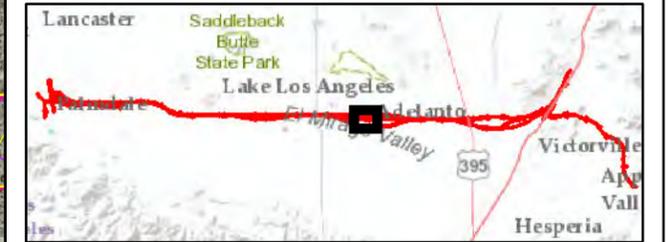
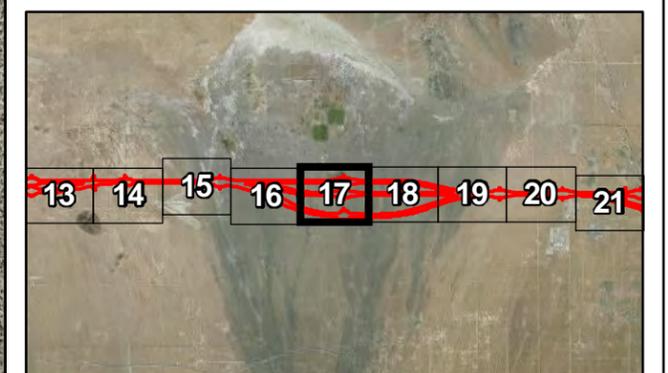


# Summary Special Status Plants Map Within the Biological Study Area Sheet: 17 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011
- ECORP - 2015

Location: \\rock\dm\mapping\data\2012\061-014 HDC GIS\MAPS\ssss\_survey\_and\_mapping\Rare Plant\Spatial\_Data\HDC\_Rare\_Plant.mxd (MAG/DSS) mca/dry, 11/2/2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



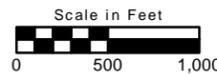
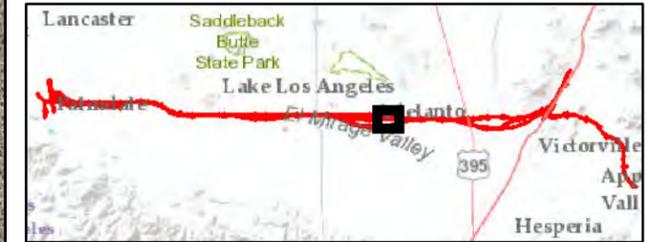
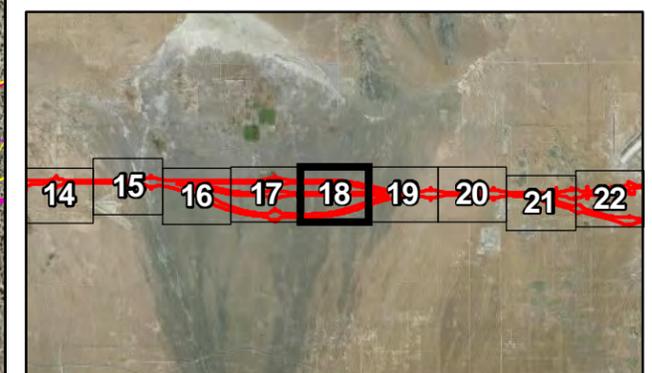
# Summary Special Status Plants Map Within the Biological Study Area Sheet: 18 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  AMEC - 2011
-  ECORP - 2015



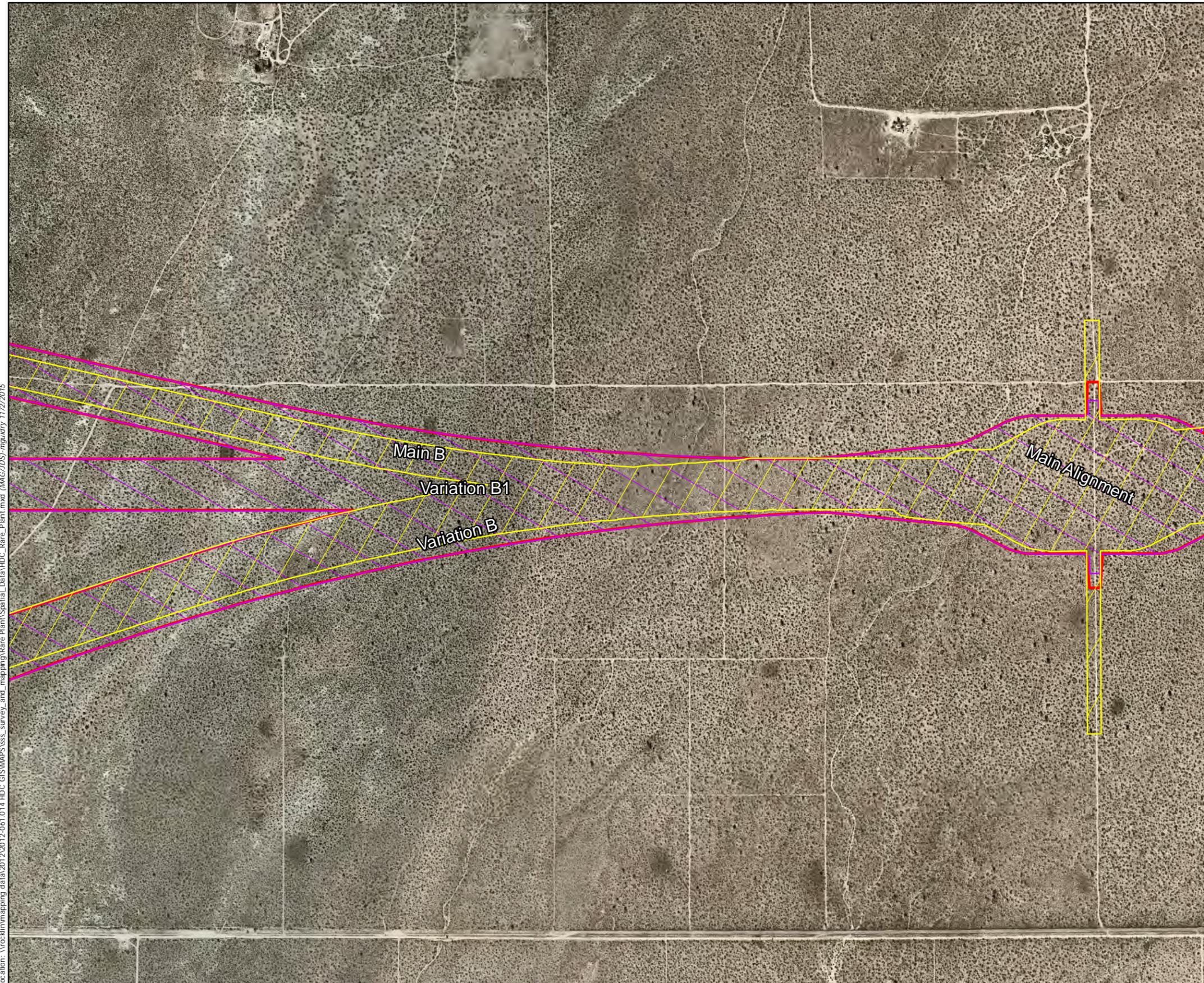
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<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



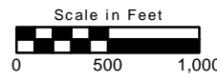
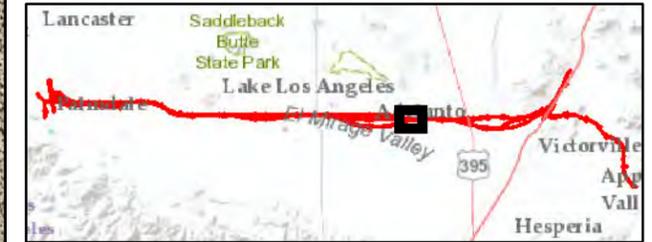
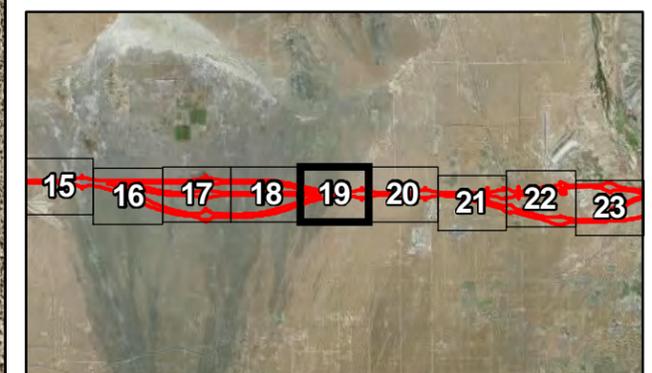
# Summary Special Status Plants Map Within the Biological Study Area Sheet: 19 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  AMEC - 2011
-  ECORP - 2015



Location: \\vrock\m\mapping\data\2012-061-014 HDC GIS\MAPS\ssss\_survey\_and\_mapping\Rare Plant\Spatial\_Data\HDC\_Rare\_Plant.mxd (MAG/DSS) mxd, 11/2/2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



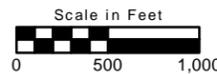
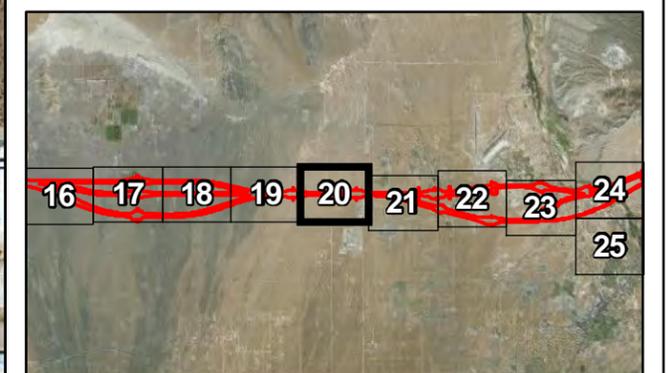
# Summary Special Status Plants Map Within the Biological Study Area Sheet: 20 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011
- ECORP - 2015



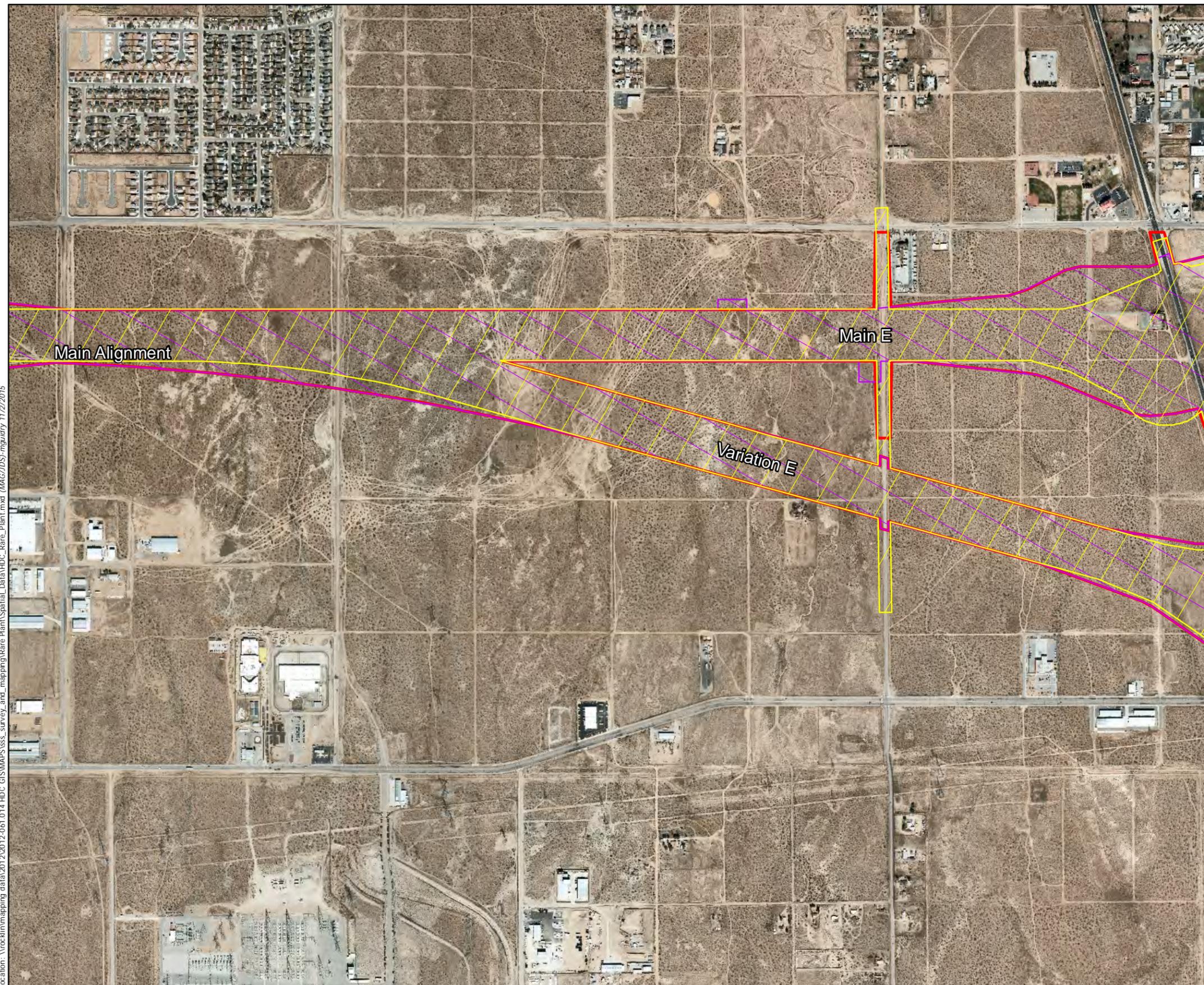
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<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



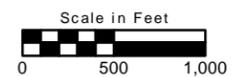
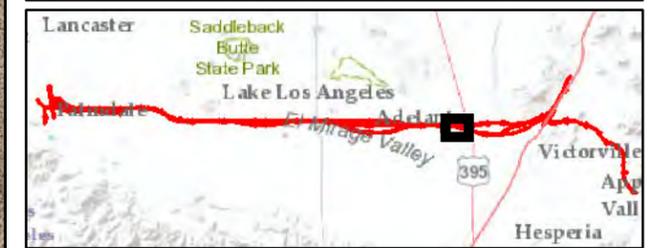
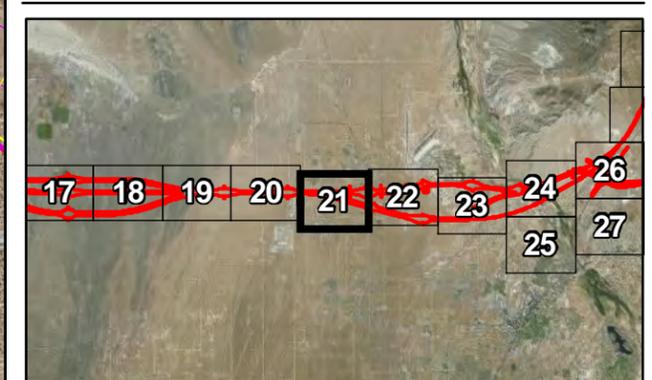
# Summary Special Status Plants Map Within the Biological Study Area Sheet: 21 of 36

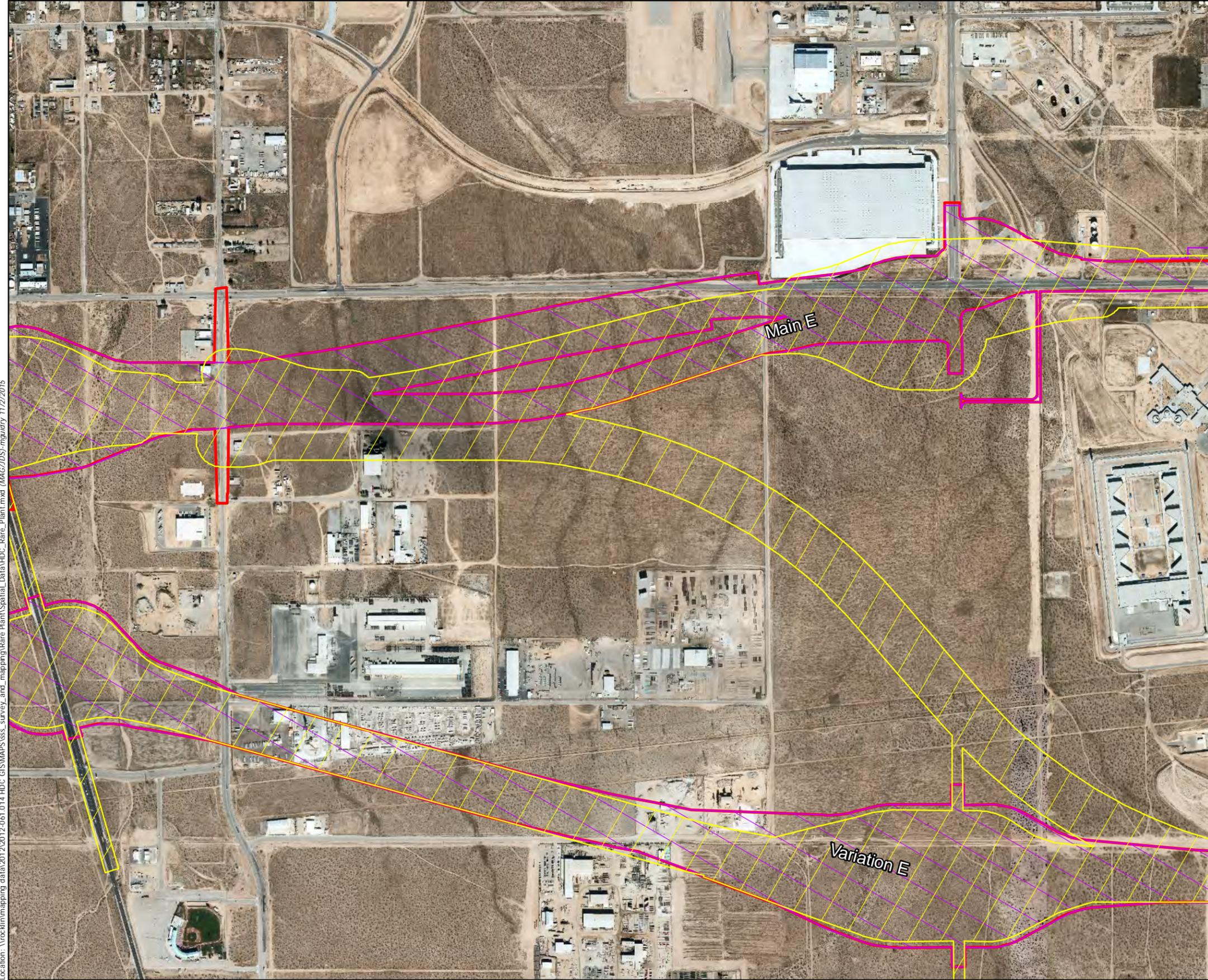
- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011
- ECORP - 2015



Location: \\vrod\m\mapping\data\2012-061-014 HDC GISMAPS\ss\_survey\_and\_mapping\Rare\_Plant\Spatial\_Data\HDC\_Rare\_Plant.mxd (MAG/IDS) mg/ldry 11/2/2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



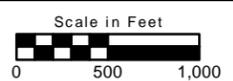
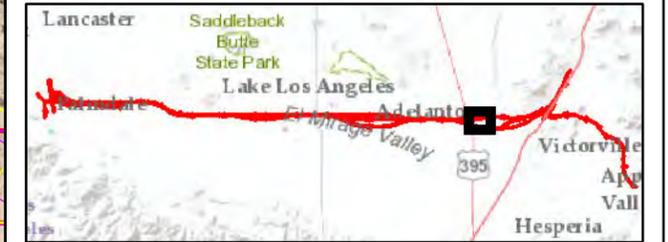
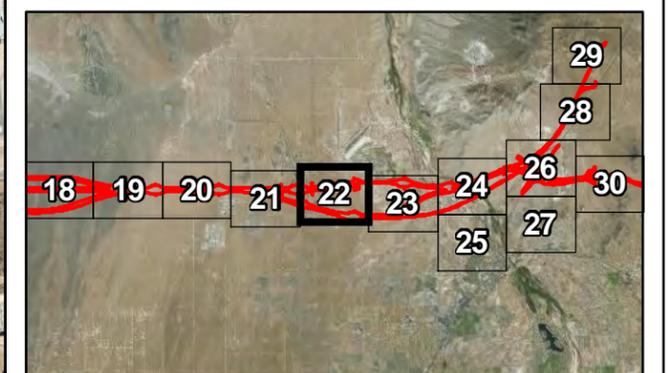


Location: \\vrod\dm\mapping\data\2012-061-014 HDC GIS\MAPS\ssss\_survey\_and\_mapping\Rare Plant\SpatialL\_Data\HDC\_Rare\_Plant.mxd (MAG/IDS)mg/tdry, 11/2/2015

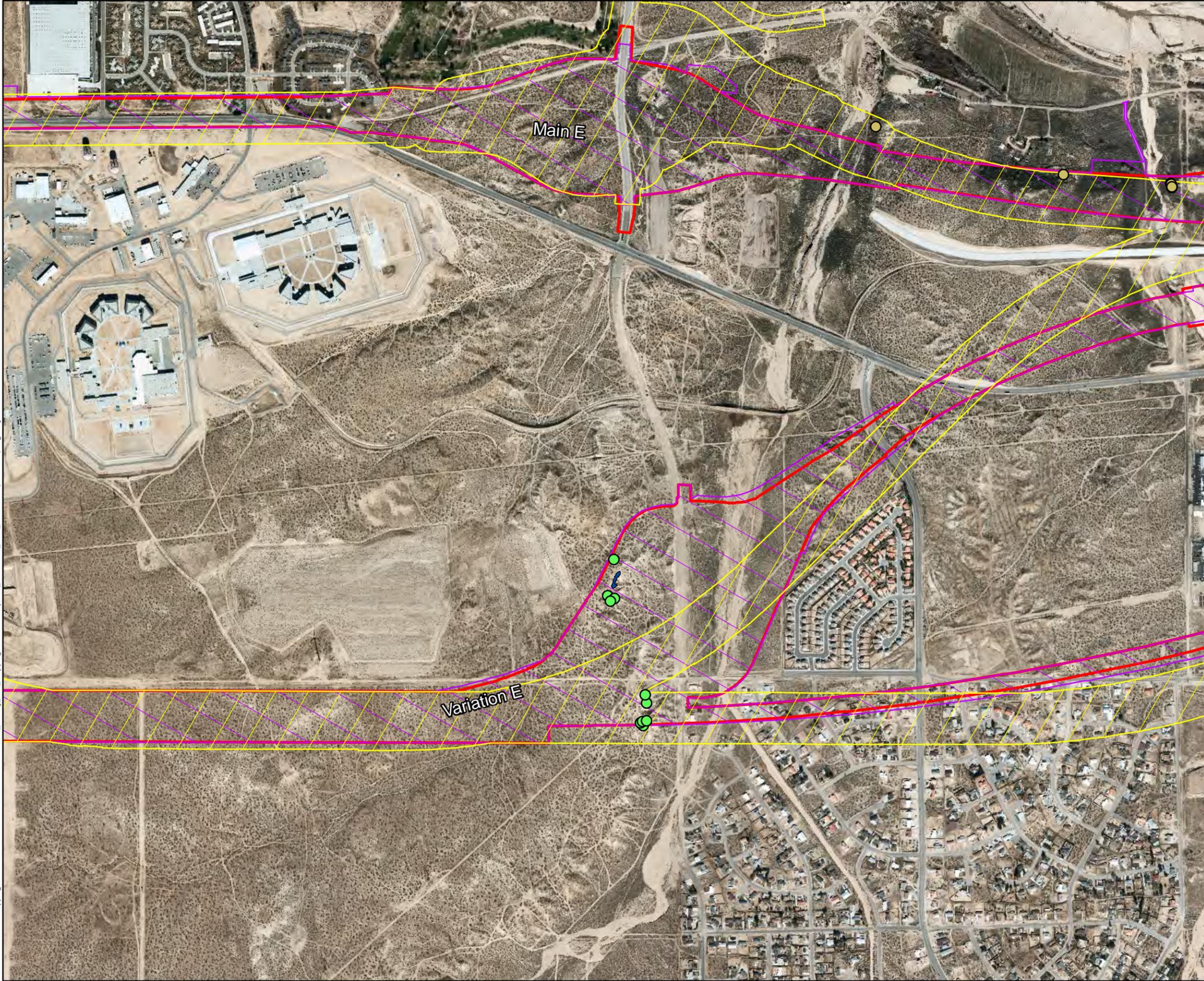
## Summary Special Status Plants Map Within the Biological Study Area Sheet: 22 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011
- ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



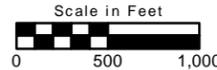
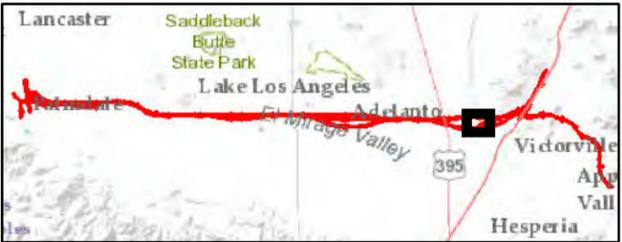
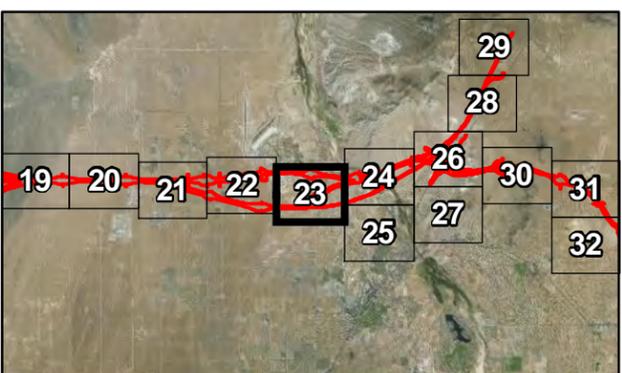
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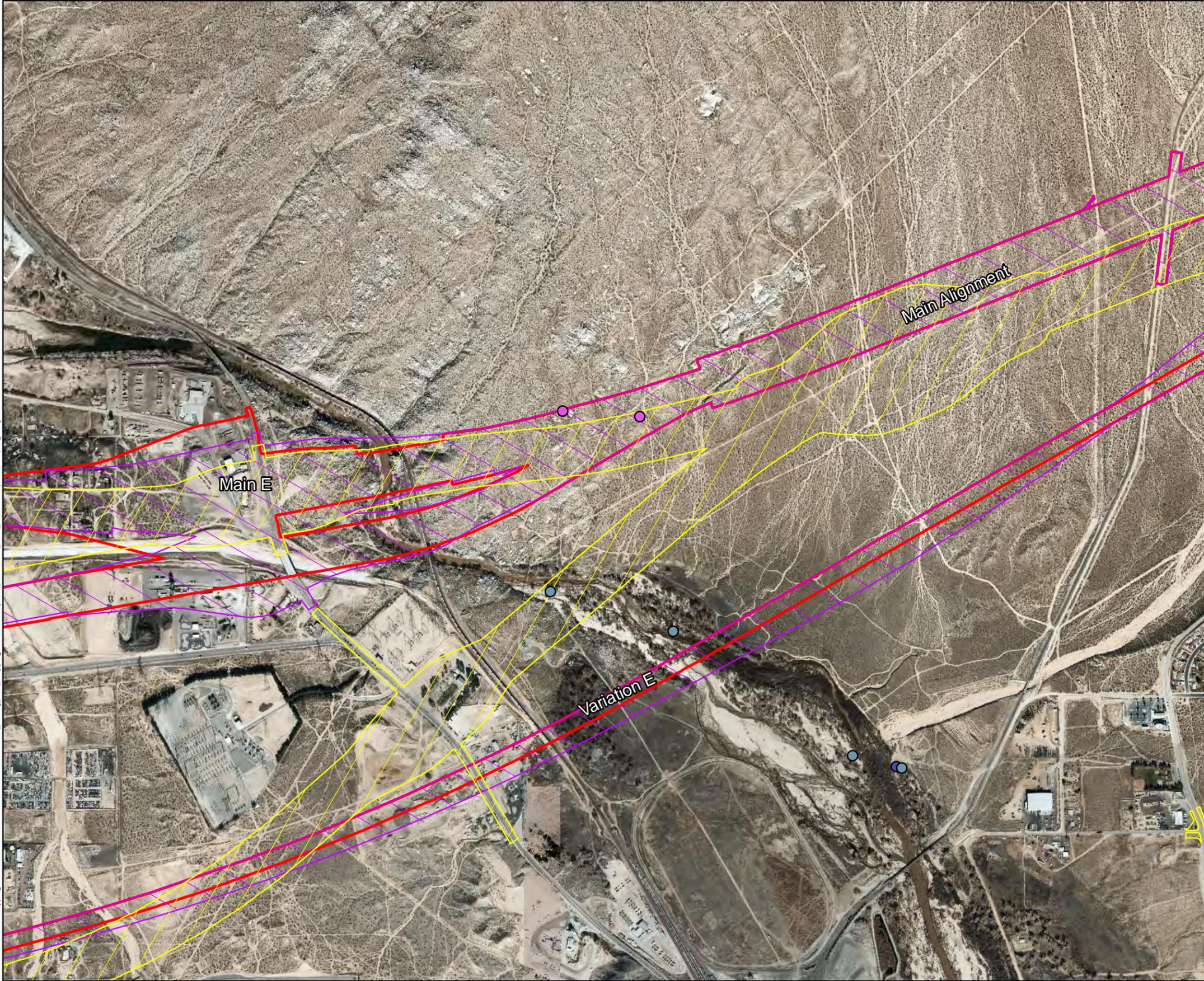
# Summary Special Status Plants Map Within the Biological Study Area Sheet: 23 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011
- ECORP - 2015
- Special Status Plant Observation <sup>2</sup>
- Alkali Mariposa Lily
- Booth's hairy evening-primrose (??)
- Special Status Plant (Area) <sup>2</sup>
- Booth's Evening Primrose (??)

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



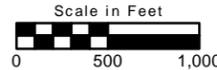
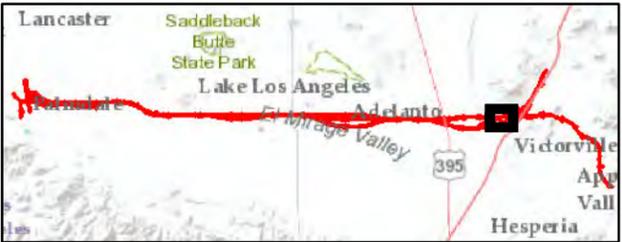
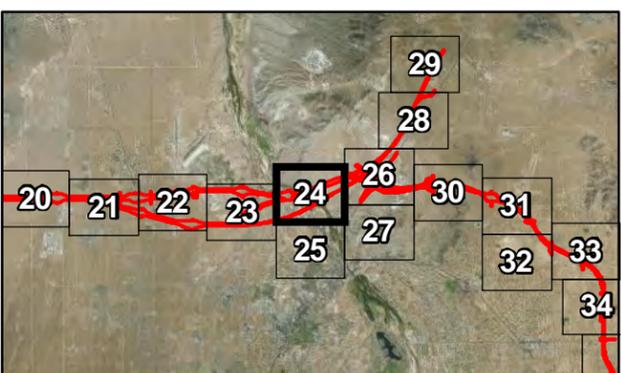
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### Summary Special Status Plants Map Within the Biological Study Area Sheet: 24 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011
- ECORP - 2015
- Special Status Plant Observation <sup>2</sup>
- Booth's evening-primrose
- Booth's evening-primrose (??)
- Mojave Fish-hook Cactus
- Special Status Plant (Area) <sup>2</sup>
- Booth's Evening Primrose

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



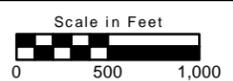
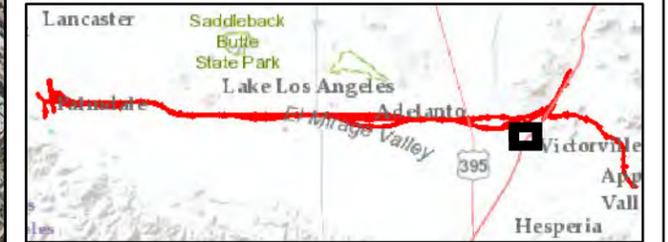
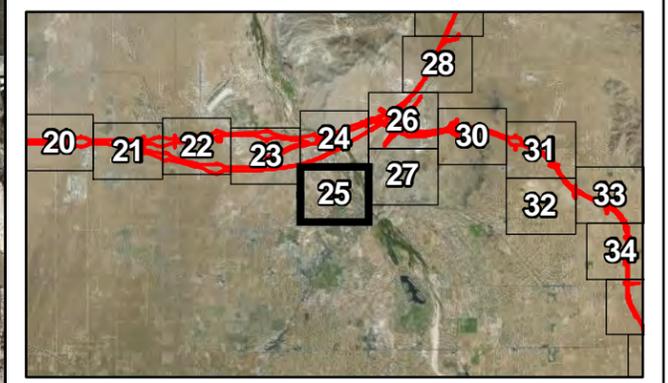


Location: \\rocd\m\mapping\data\2012\2012-061-014-HDC-GIS\MAPS\ssss\_survey\_and\_mapping\Rare\_Plant\_Spatial\_Data\HDC\_Rare\_Plant.mxd (MAG/DSS) mg/tdry 11/2/2015

## Summary Special Status Plants Map Within the Biological Study Area Sheet: 25 of 36

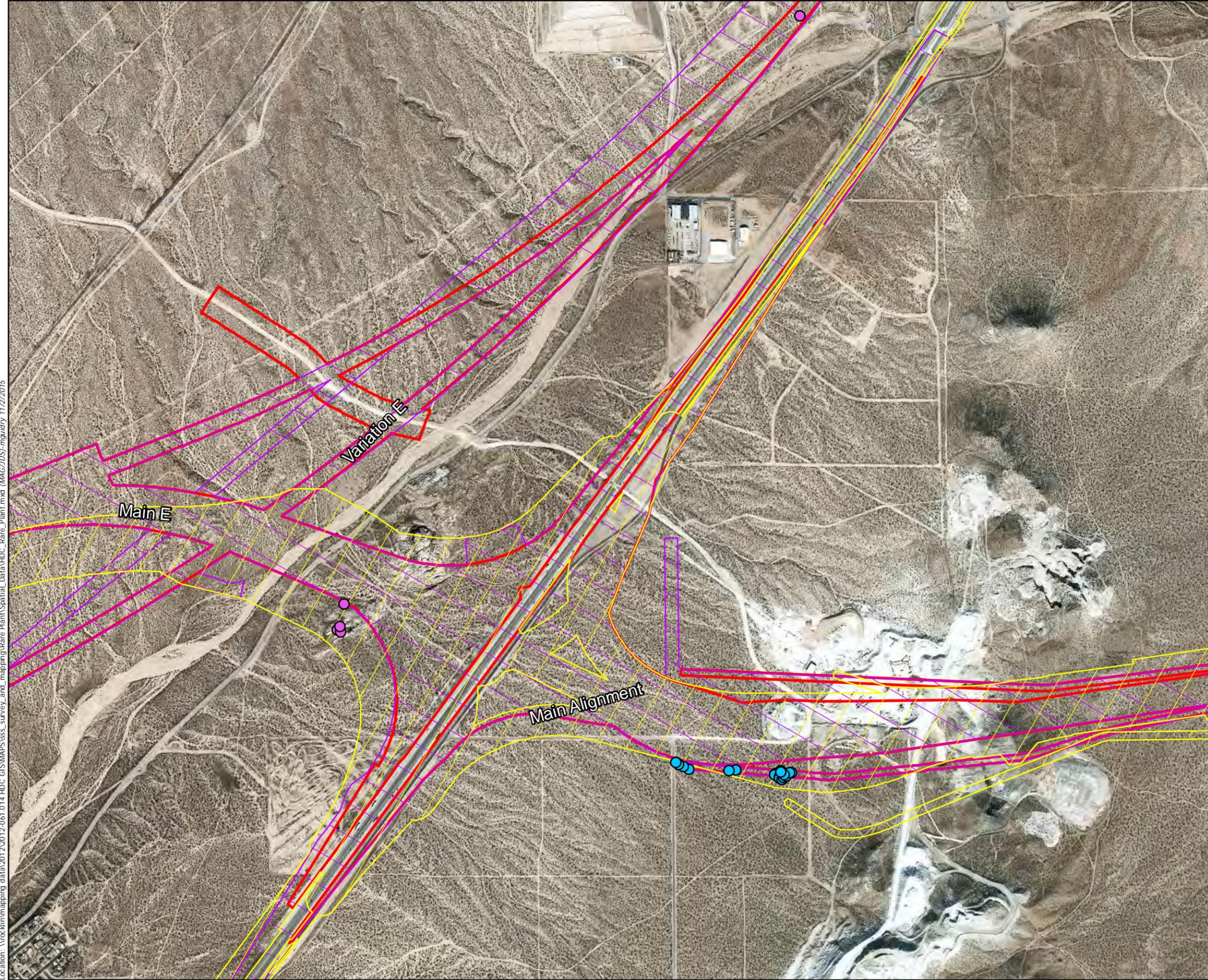
- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



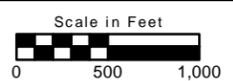
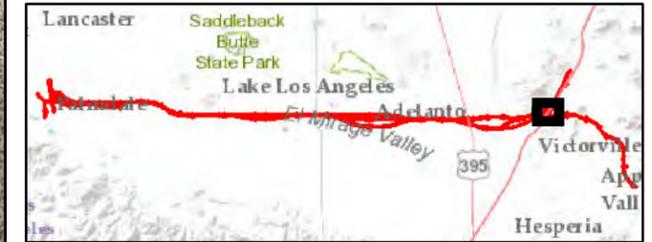
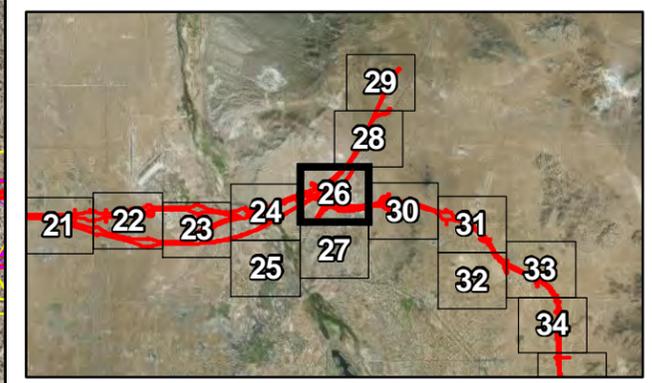
# Summary Special Status Plants Map Within the Biological Study Area Sheet: 26 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011
- ECORP - 2015
- Special Status Plant Observation <sup>2</sup>
- Mojave Fish-hook Cactus
- Unknown Astagalus sp.
- Special Status Plant (Area) <sup>2</sup>
- Unknown Astagalus sp.



Location: \\rock\m\mapping\data\2012\061-014 HDC GIS\MAPS\ssss\_survey\_and\_mapping\Rare\_Plant\_Spatial\_Data\HDC\_Rare\_Plant.mxd (MAG/DSS/mgaurdy 11/2/2015)

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



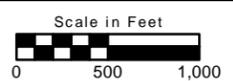
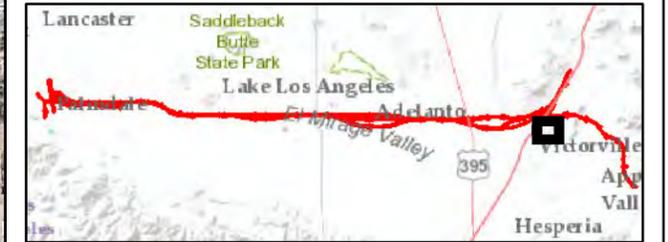
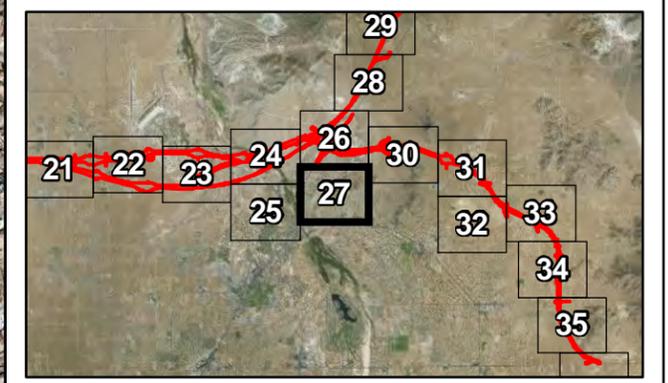


Location: \\vocal\mapping\data\2012-061-014 HDC GIS\MAPS\ssss\_survey\_and\_mapping\Rare\_Plant\_Spatial\_Data\HDC\_Rare\_Plant.mxd (MAG/IDS) mxd/try\_11/2/2015

## Summary Special Status Plants Map Within the Biological Study Area Sheet: 27 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011
- ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



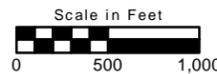
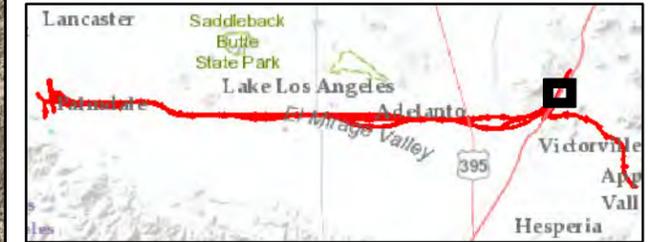
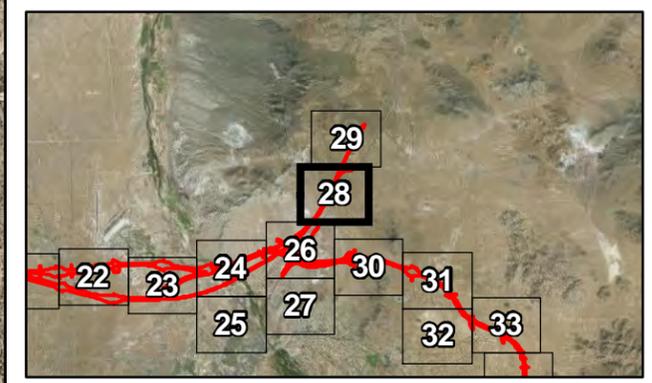
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### Summary Special Status Plants Map Within the Biological Study Area Sheet: 28 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  AMEC - 2011
-  ECORP - 2015
- Special Status Plant Observation <sup>2</sup>
-  Mojave Fish-hook Cactus

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



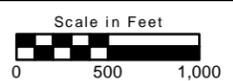
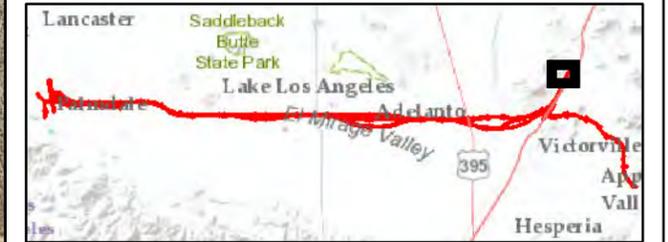
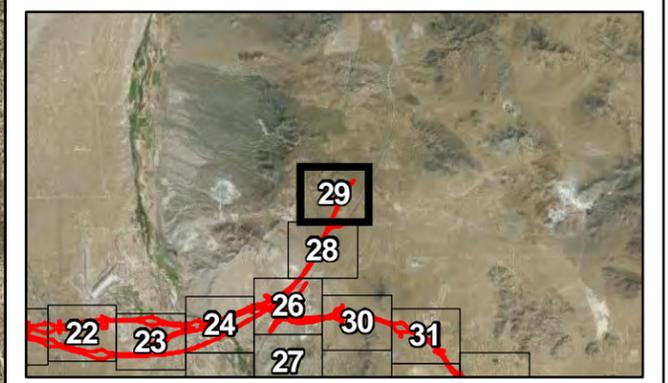
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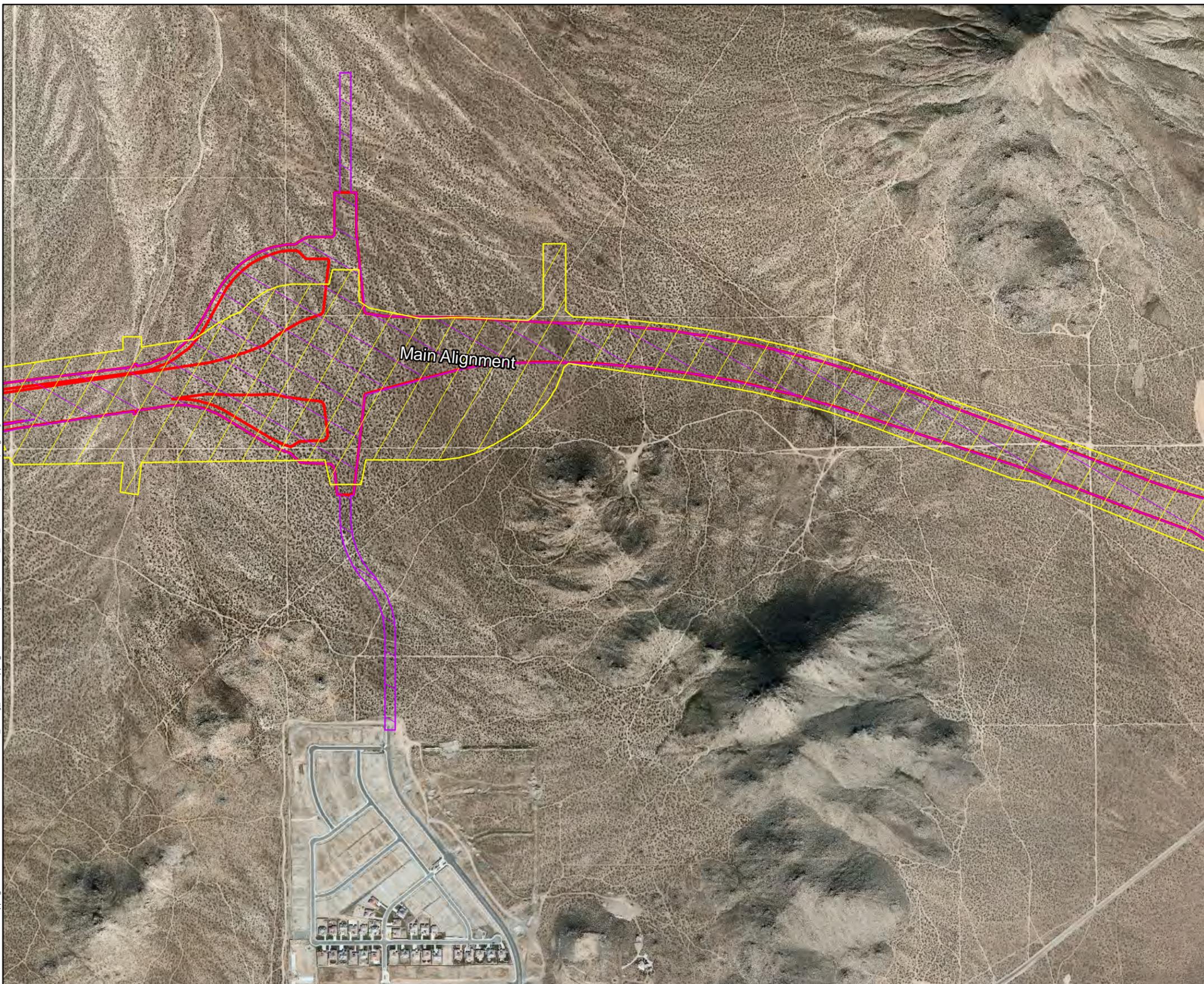
### Summary Special Status Plants Map Within the Biological Study Area Sheet: 29 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



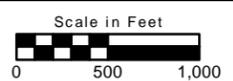
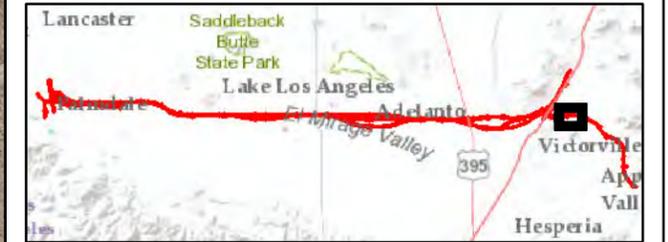
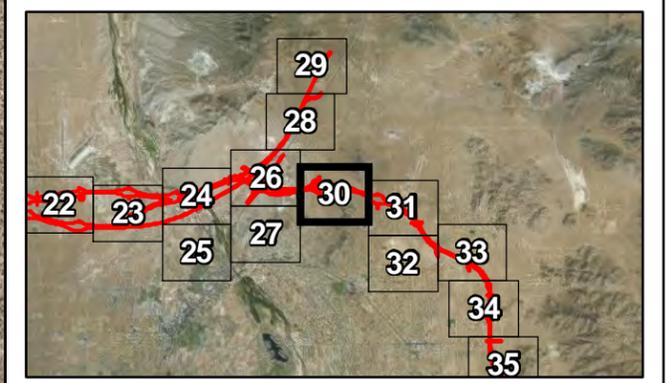
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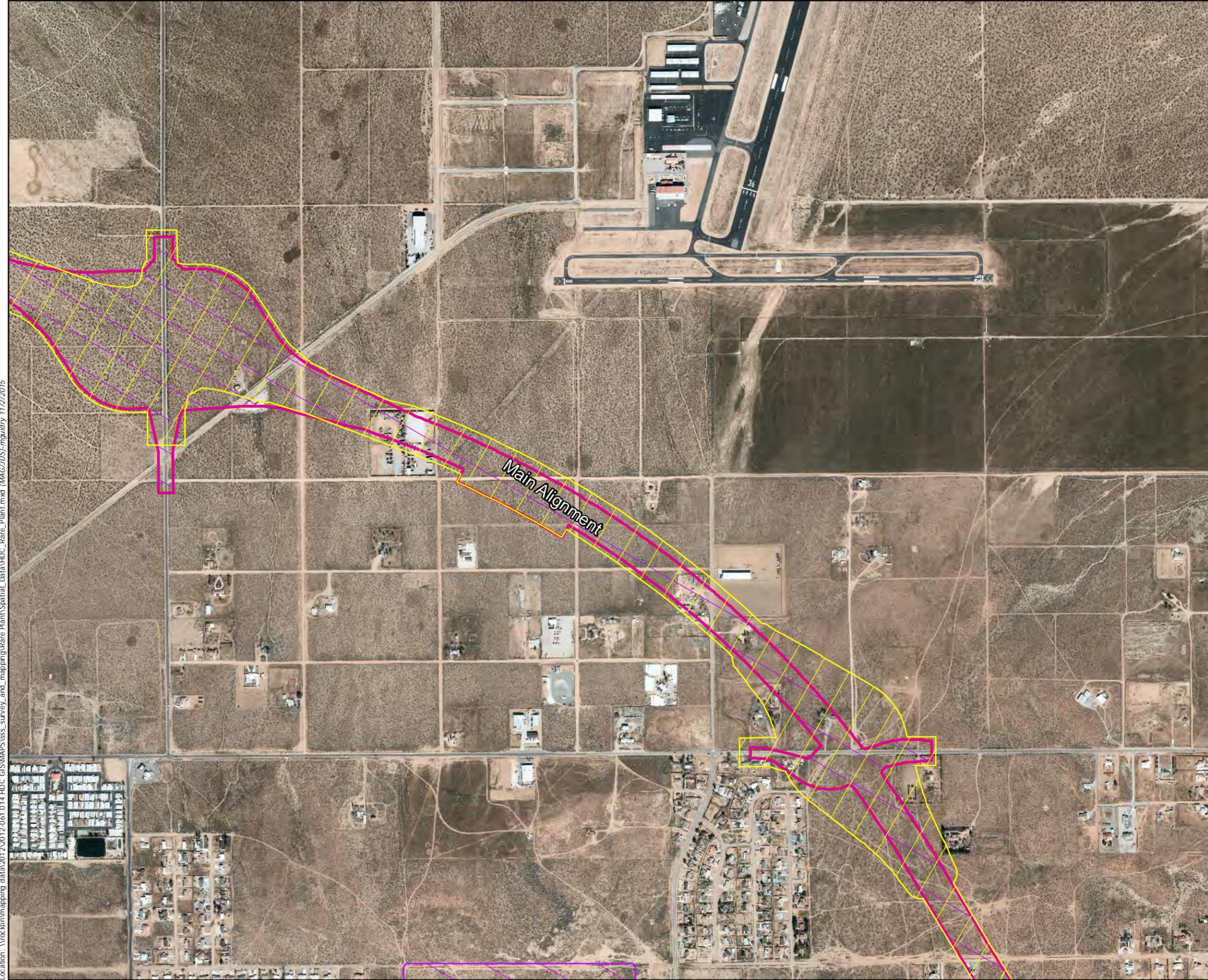


### Summary Special Status Plants Map Within the Biological Study Area Sheet: 30 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  AMEC - 2011
-  ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



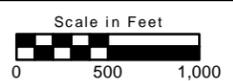
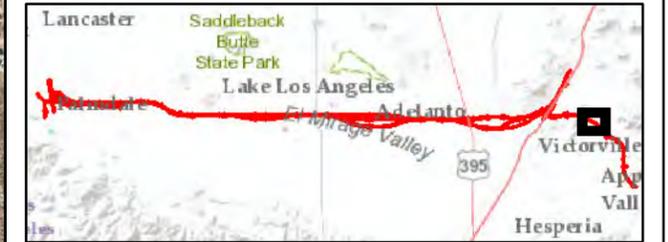
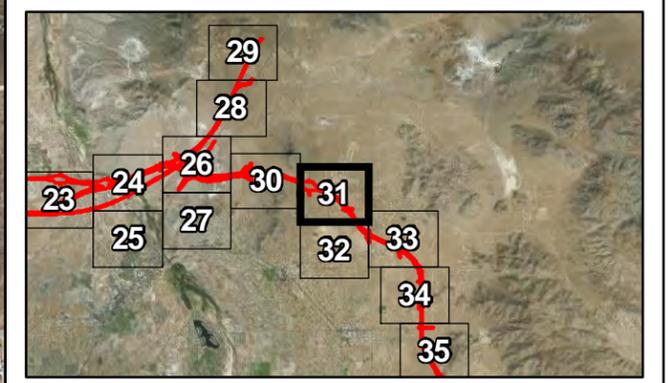


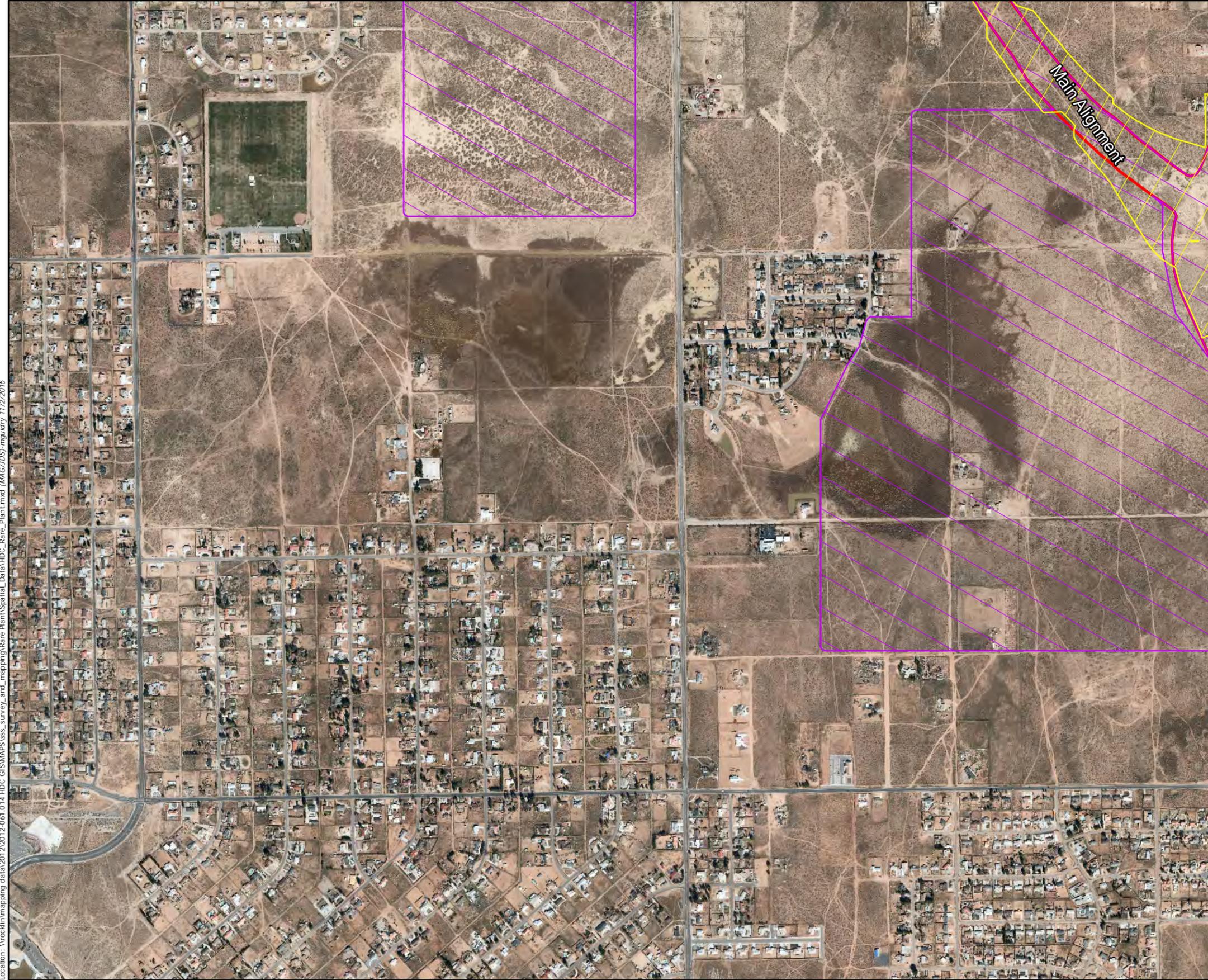
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## Summary Special Status Plants Map Within the Biological Study Area Sheet: 31 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011
- ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



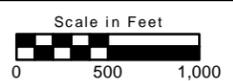
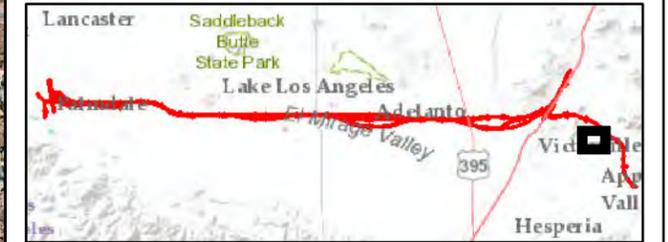
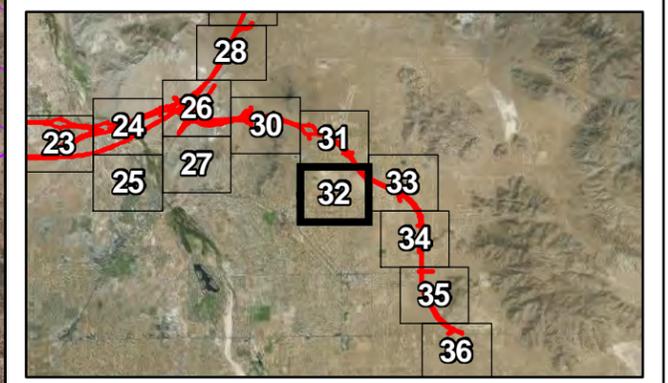


### Summary Special Status Plants Map Within the Biological Study Area Sheet: 32 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011
- ECORP - 2015

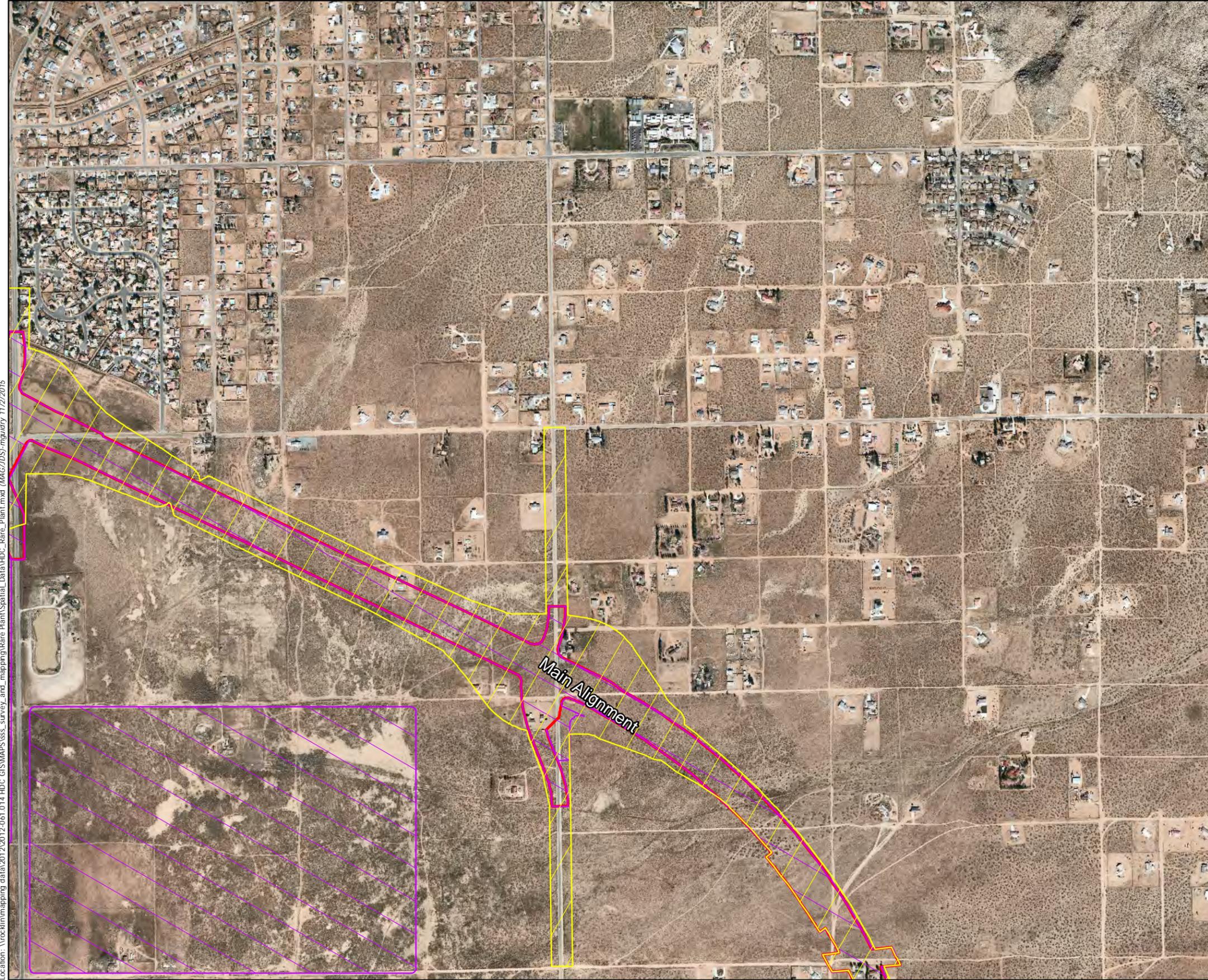
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<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



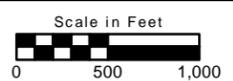
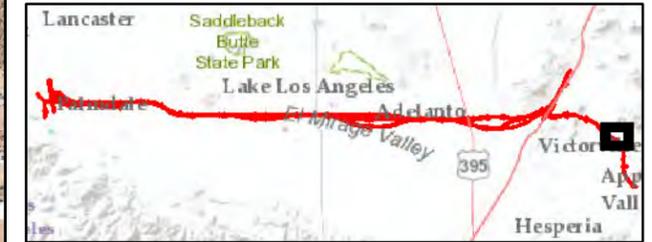
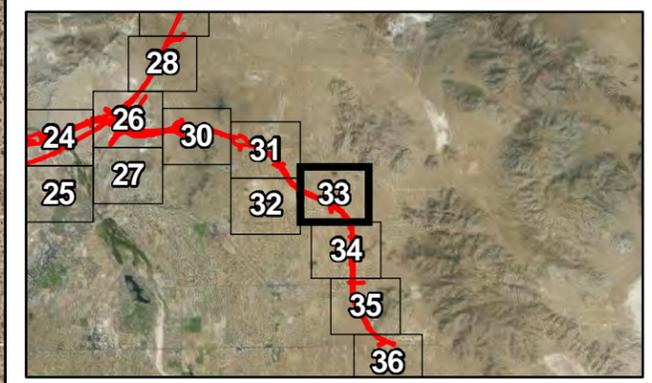
# Summary Special Status Plants Map Within the Biological Study Area Sheet: 33 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  AMEC - 2011
-  ECORP - 2015

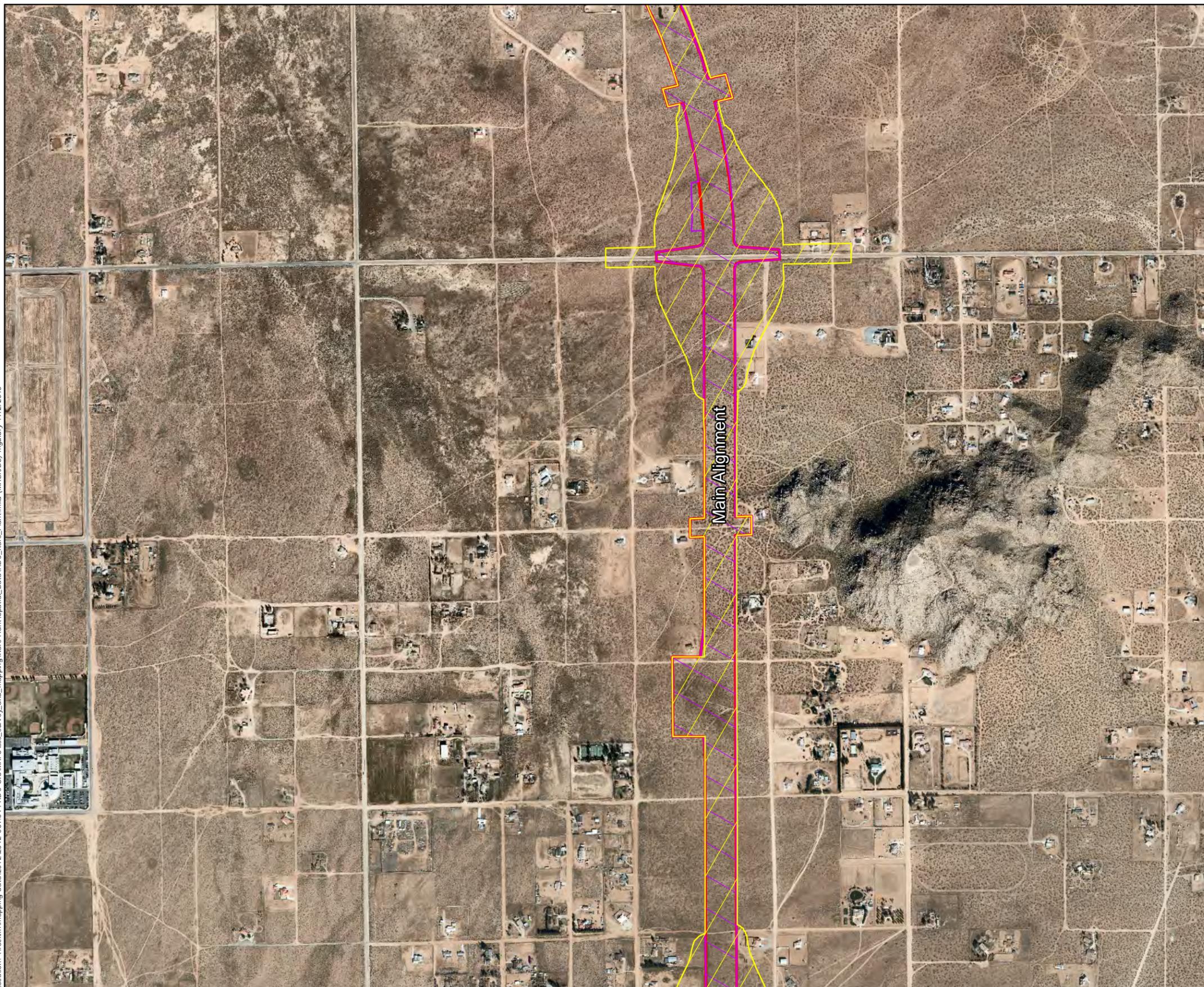


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<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



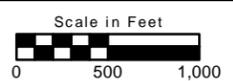
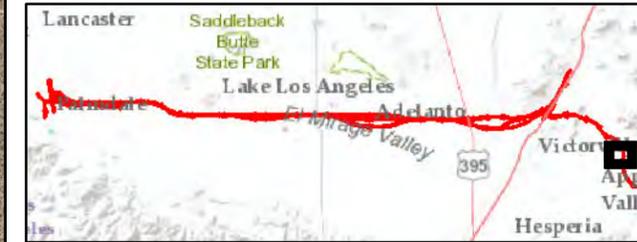
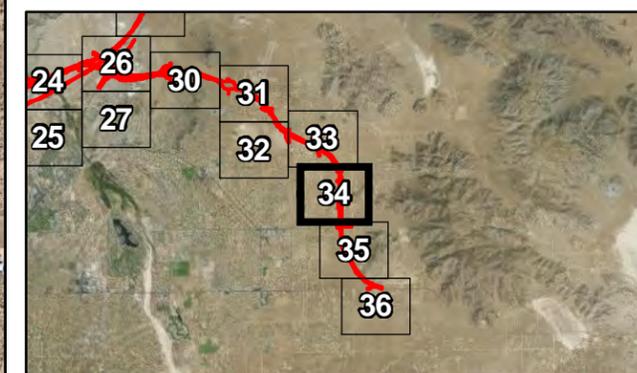
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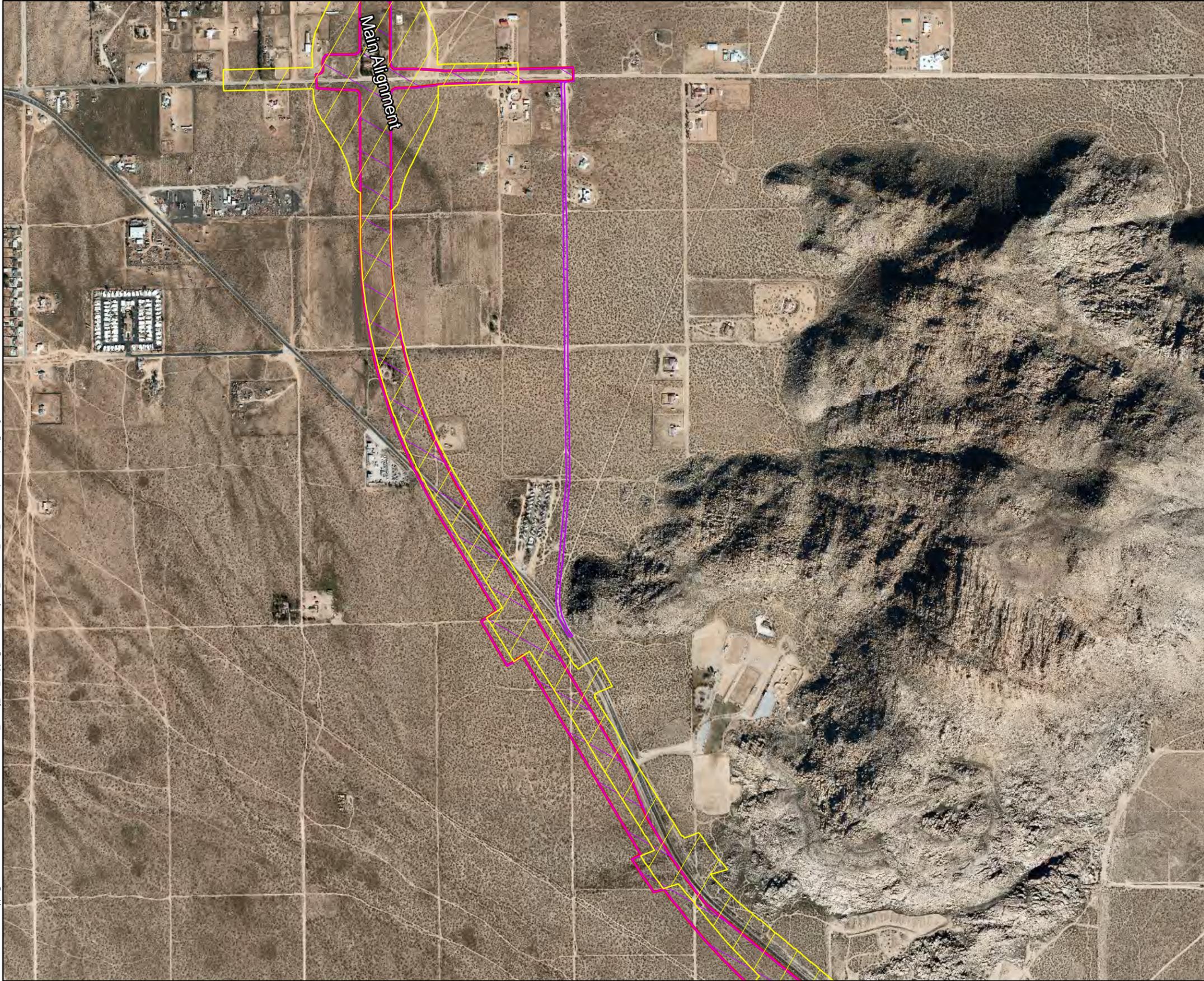
### Summary Special Status Plants Map Within the Biological Study Area Sheet: 34 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  AMEC - 2011
-  ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC



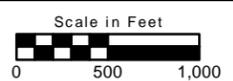
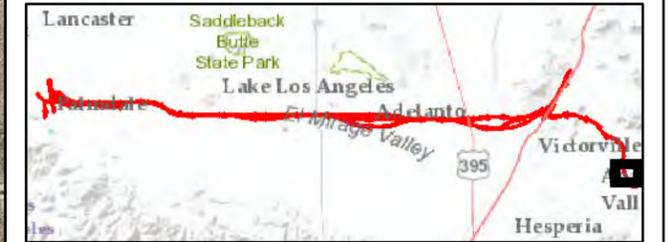
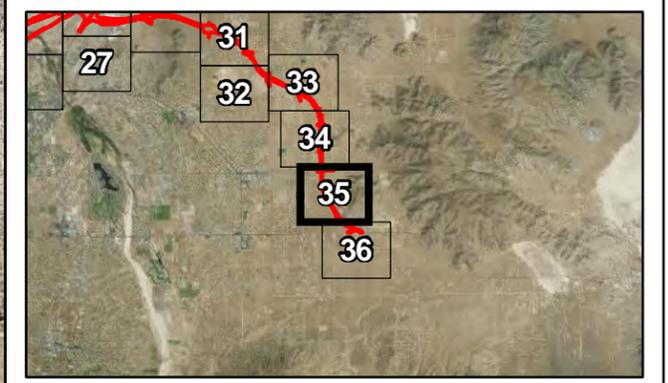
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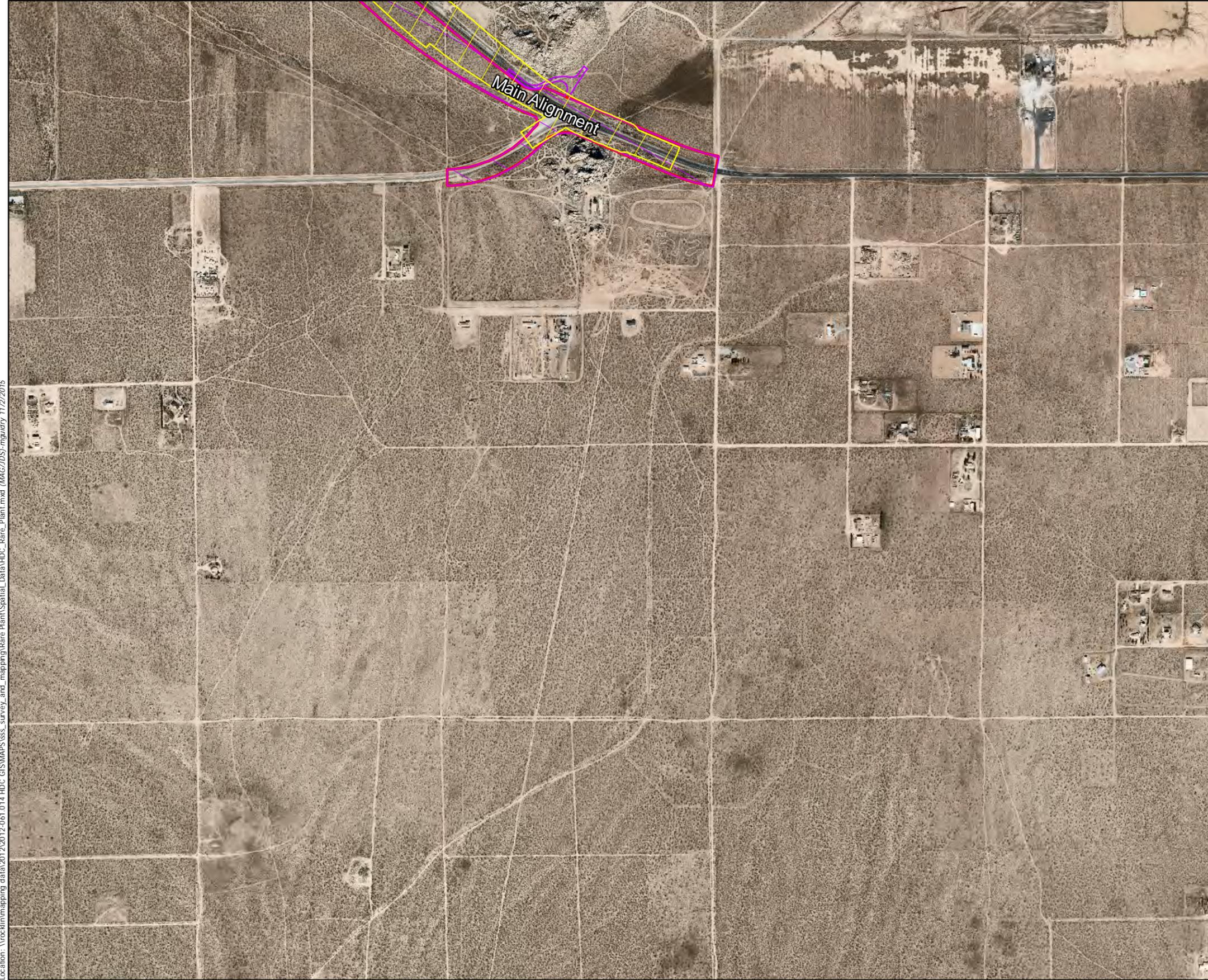


### Summary Special Status Plants Map Within the Biological Study Area Sheet: 35 of 36

-  Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
-  AMEC - 2011
-  ECORP - 2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC





# Summary Special Status Plants Map Within the Biological Study Area Sheet: 36 of 36

- Impact Area of All Project Alternatives <sup>1</sup>
- Survey Area: Company - Survey Year <sup>2</sup>
- AMEC - 2011
- ECORP - 2015

Location: \\rock\p\mapping\data\2012\061-014 HDC GIS\MAPS\ssss\_survey\_and\_mapping\Rare Plant\Spatial\_Data\HDC\_Rare\_Plant.mxd (MAG/IDS) mg/ldry 11/2/2015

<sup>1</sup> Caltrans; <sup>2</sup> ECORP, ICF, AMEC

