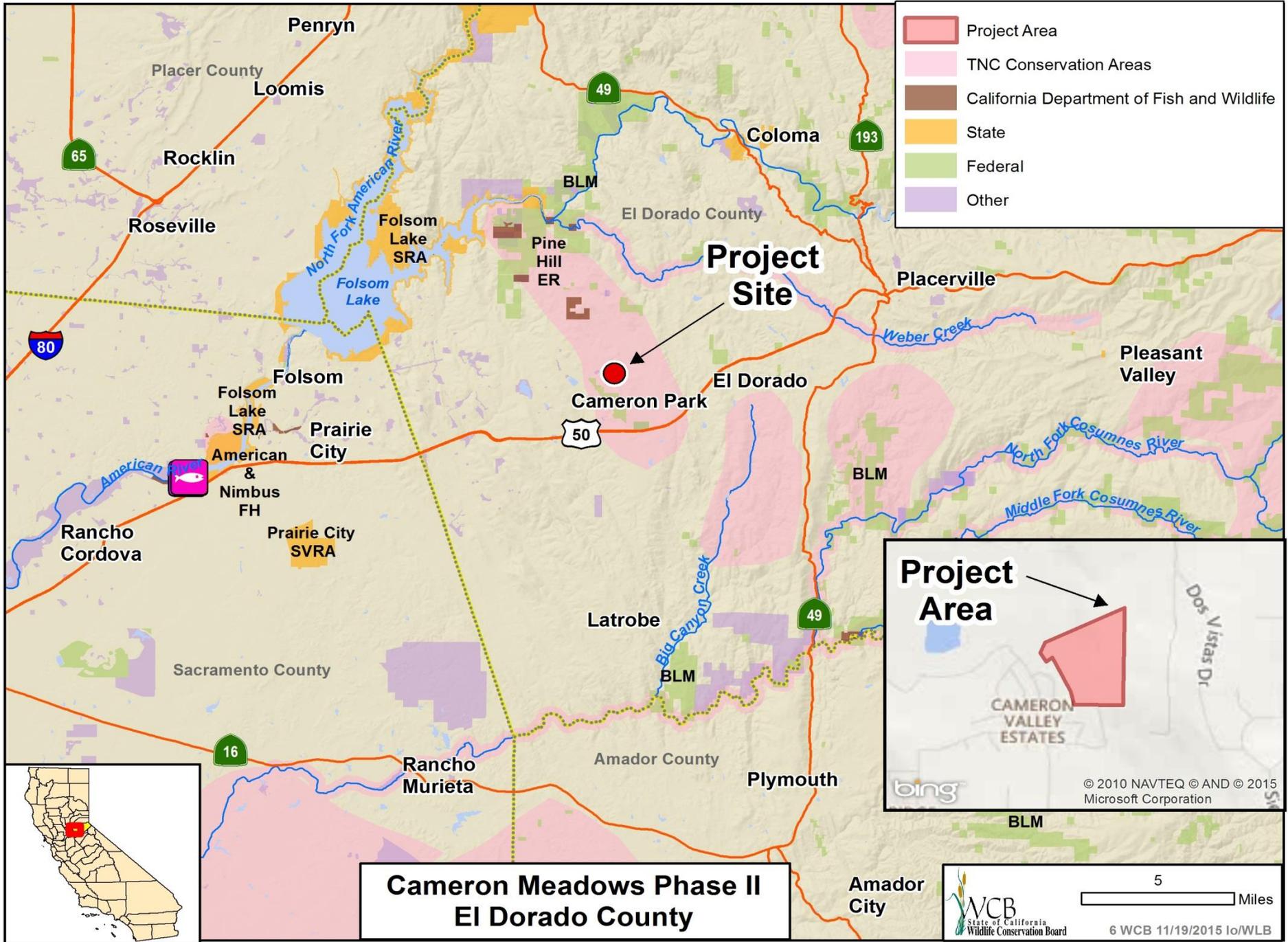




November 19, 2015, 10:00am
Wildlife Conservation Board Meeting
State Capitol, Room 3191
Sacramento, California 95814



	Project Area
	TNC Conservation Areas
	California Department of Fish and Wildlife
	State
	Federal
	Other

Project Area

© 2010 NAVTEQ © AND © 2015 Microsoft Corporation

**Cameron Meadows Phase II
El Dorado County**

5 Miles

6 WCB 11/19/2015 lo/WLB

#6. Cameron Meadows, Phase II



El Dorado Mule Ears

#6. Cameron Meadows, Phase II



El Dorado Bedstraw

#6. Cameron Meadows, Phase II



Layne's Butterweed

#6. Cameron Meadows, Phase II



Pine Hill Ceanothus

#6. Cameron Meadows, Phase II

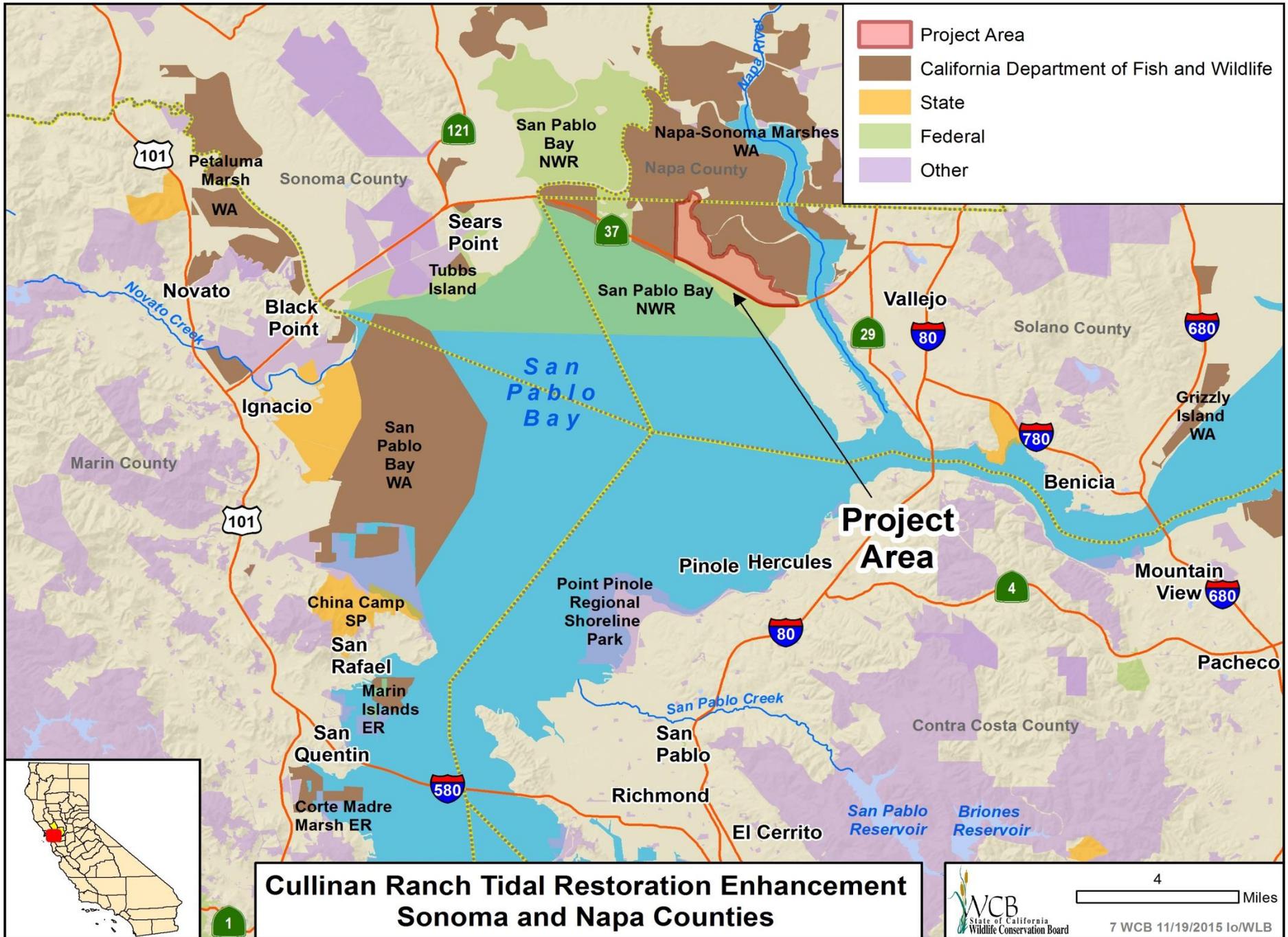


Red Hills Soaproot

#6. Cameron Meadows, Phase II



Stebbin's Morning Glory



- Project Area
- California Department of Fish and Wildlife
- State
- Federal
- Other

**Cullinan Ranch Tidal Restoration Enhancement
Sonoma and Napa Counties**

#7. Cullinan Ranch Tidal Restoration Enhancement



Looking northeast from entrance on Pond 1 Levee Road, Cullinan Ranch property to the right (prior to construction)

#7. Cullinan Ranch Tidal Restoration Enhancement



Looking northwest from southeast corner of Cullinan Ranch, next to gate opening off Highway 37 (prior to construction)

#7. Cullinan Ranch Tidal Restoration Enhancement



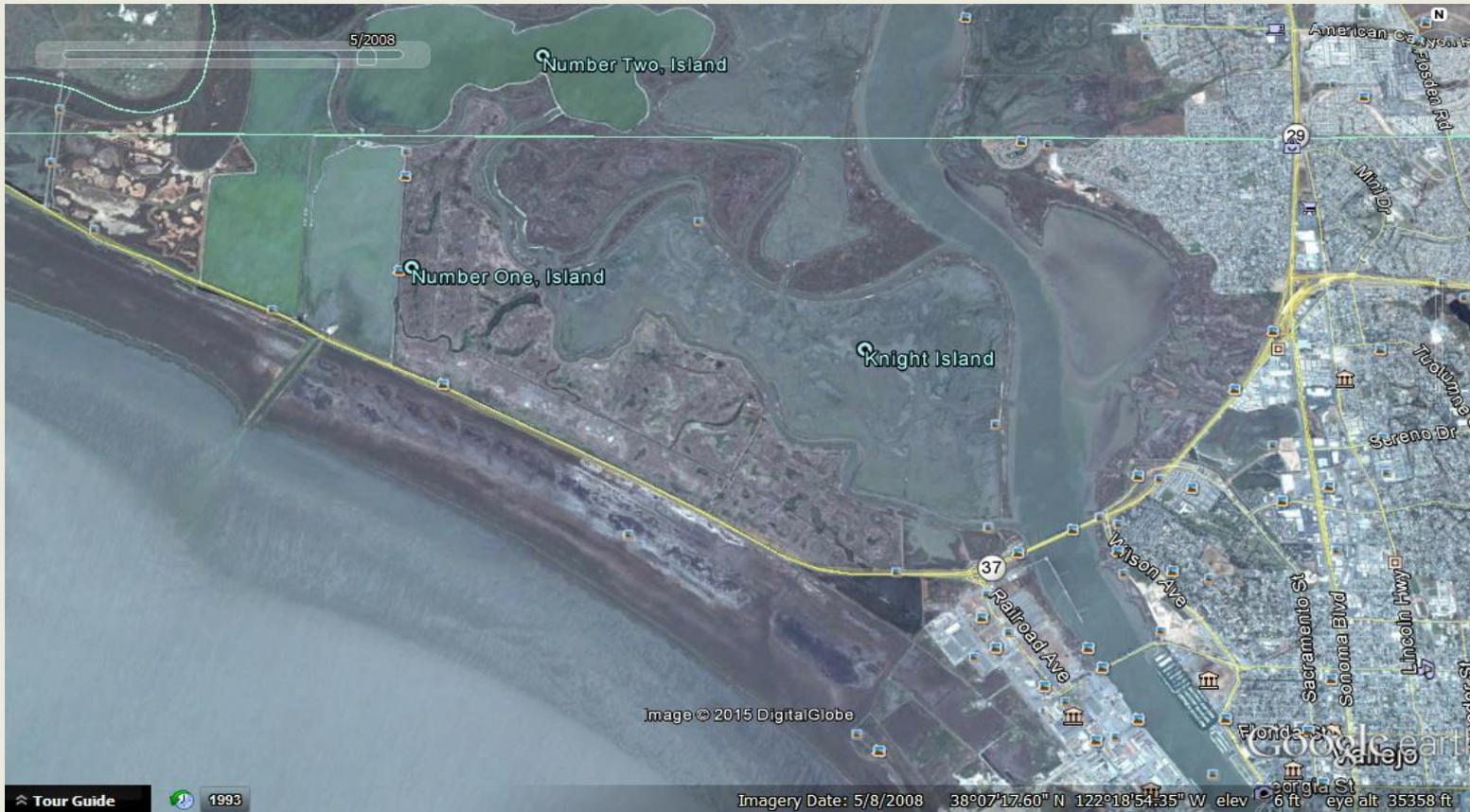
Breaching of levees, January 2015

#7. Cullinan Ranch Tidal Restoration Enhancement



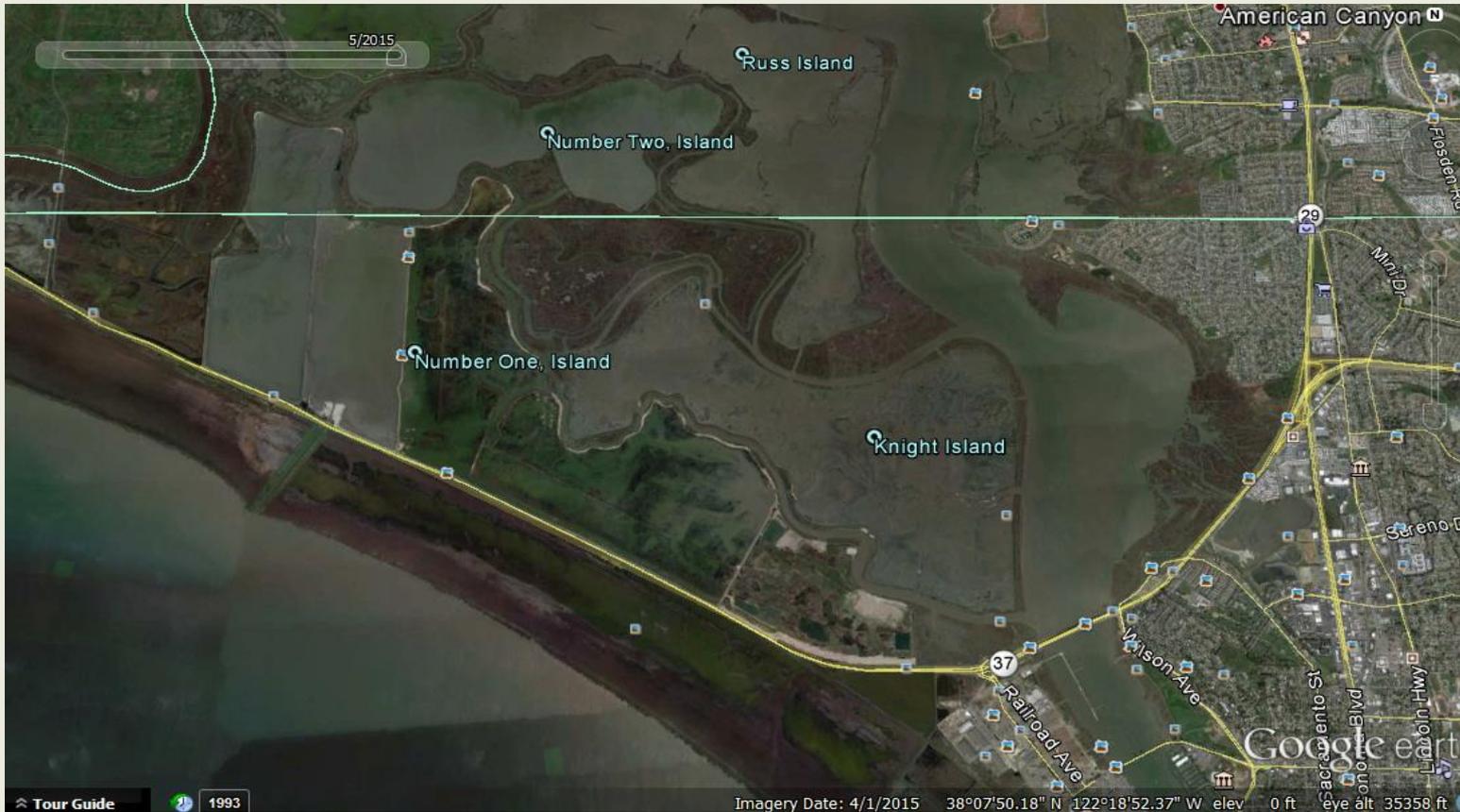
Tidal flow through the breach, April 2015

#7. Cullinan Ranch Tidal Restoration Enhancement

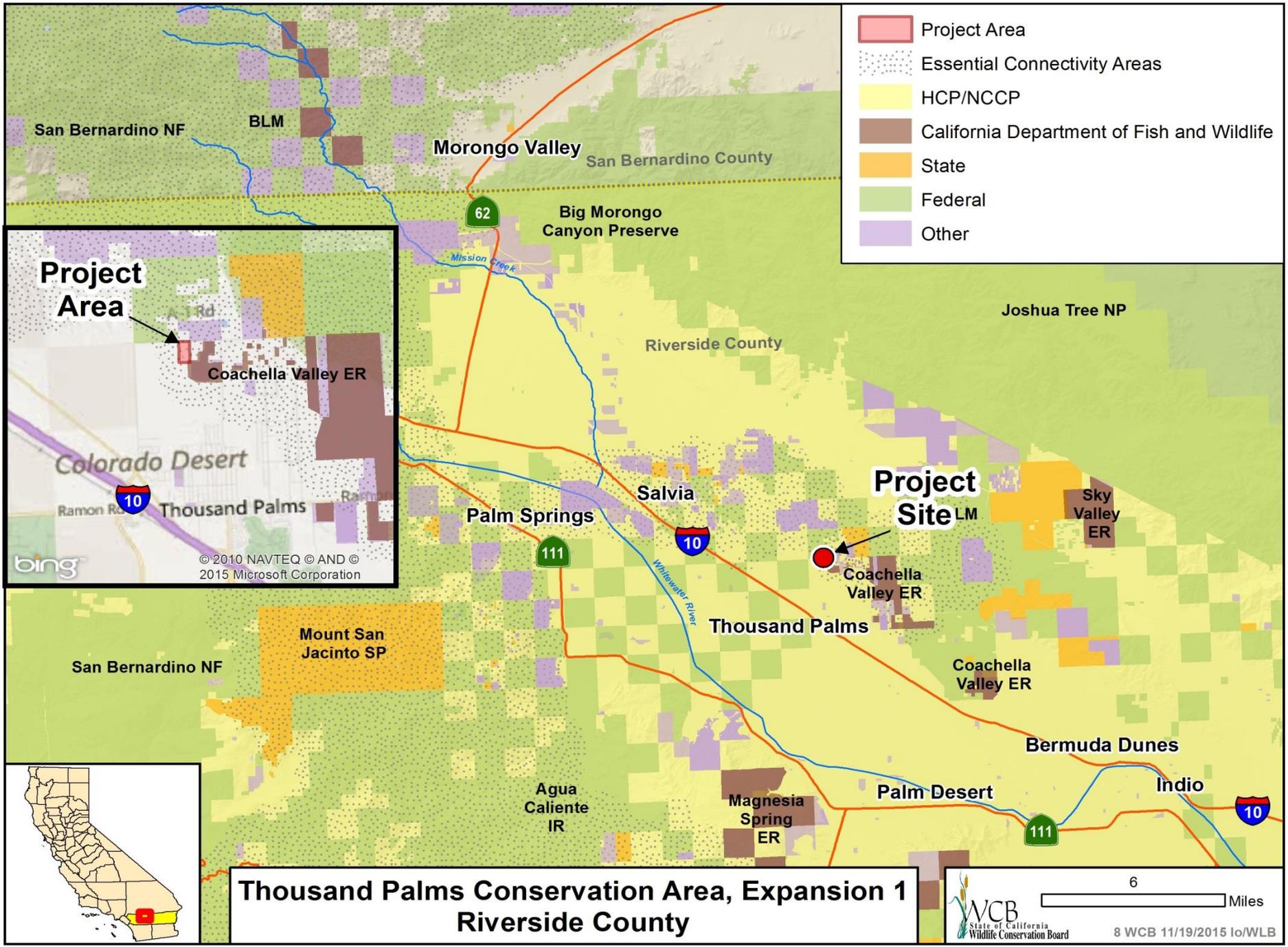


Aerial view prior to construction and breaching, May 2008

#7. Cullinan Ranch Tidal Restoration Enhancement



Post construction and breaching aerial view, April 2015



- Project Area
- Essential Connectivity Areas
- HCP/NCCP
- California Department of Fish and Wildlife
- State
- Federal
- Other

Project Area

Coachella Valley ER

Colorado Desert

Thousand Palms

© 2010 NAVTEQ © AND © 2015 Microsoft Corporation



**Thousand Palms Conservation Area, Expansion 1
Riverside County**

WCB
State of California
Wildlife Conservation Board

6 Miles

8 WCB 11/19/2015 Io/WLB

#8. Thousand Palms Conservation Area, Expansion 1



Southerly view of the Property with the San Jacinto Mountain Range in the background.

#8. Thousand Palms Conservation Area, Expansion 1

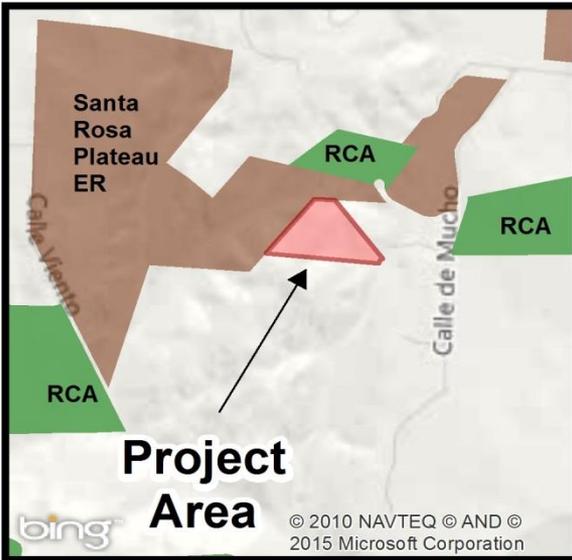


Northerly view of the Property

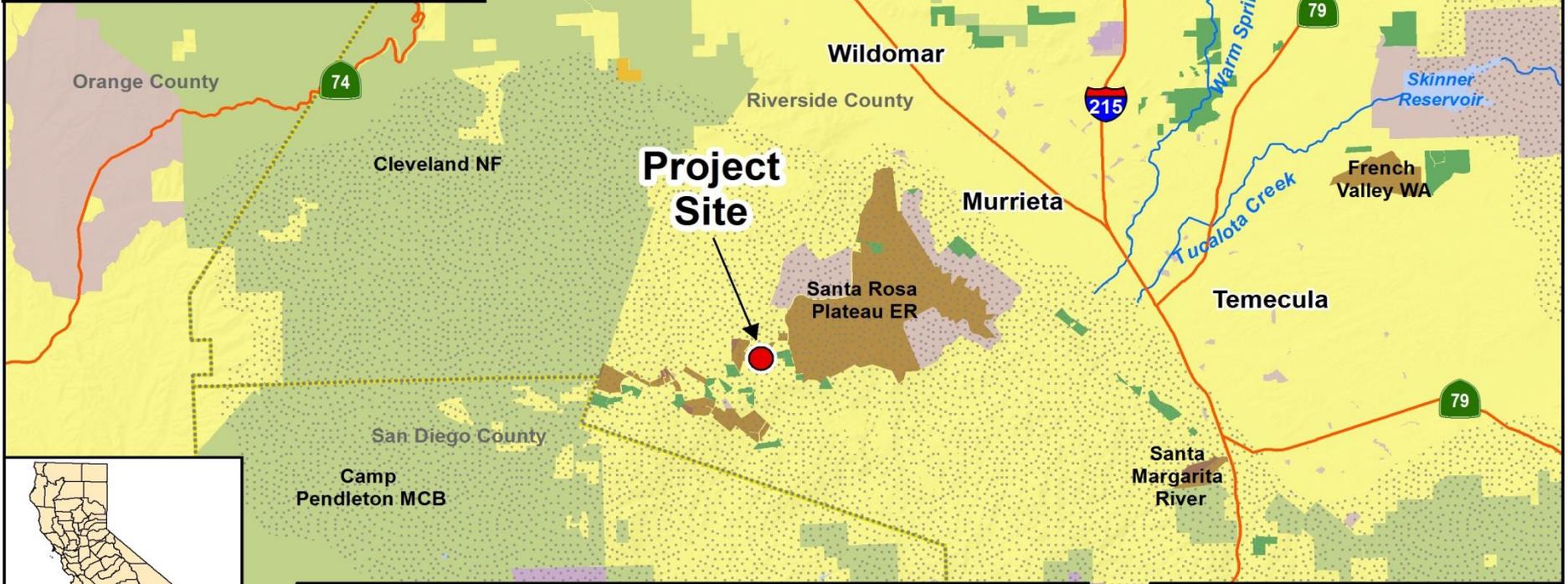
#8. Thousand Palms Conservation Area, Expansion 1



Blowsand which supports both state and federally listed species.



- Project Area
- Essential Connectivity Areas
- HCP/NCCP
- Regional Conservation Authority
- California Department of Fish and Wildlife
- State
- Federal
- Other



**Western Riverside MSHCP (2012) - Caramello
Riverside County**

5 Miles

WCB
State of California
Wildlife Conservation Board

9 WCB 11/19/2015 Io/WLB

#9. Western Riverside MSHCP (2012) - Caramello



The Property's neighborhood boundaries are Interstate 15 and the City of Murrieta to the east; the San Diego County line to the south; the Cleveland National Forest to the west; and the southerly city limits of Wildomar to the north.

#9. Western Riverside MSHCP (2012) - Caramello



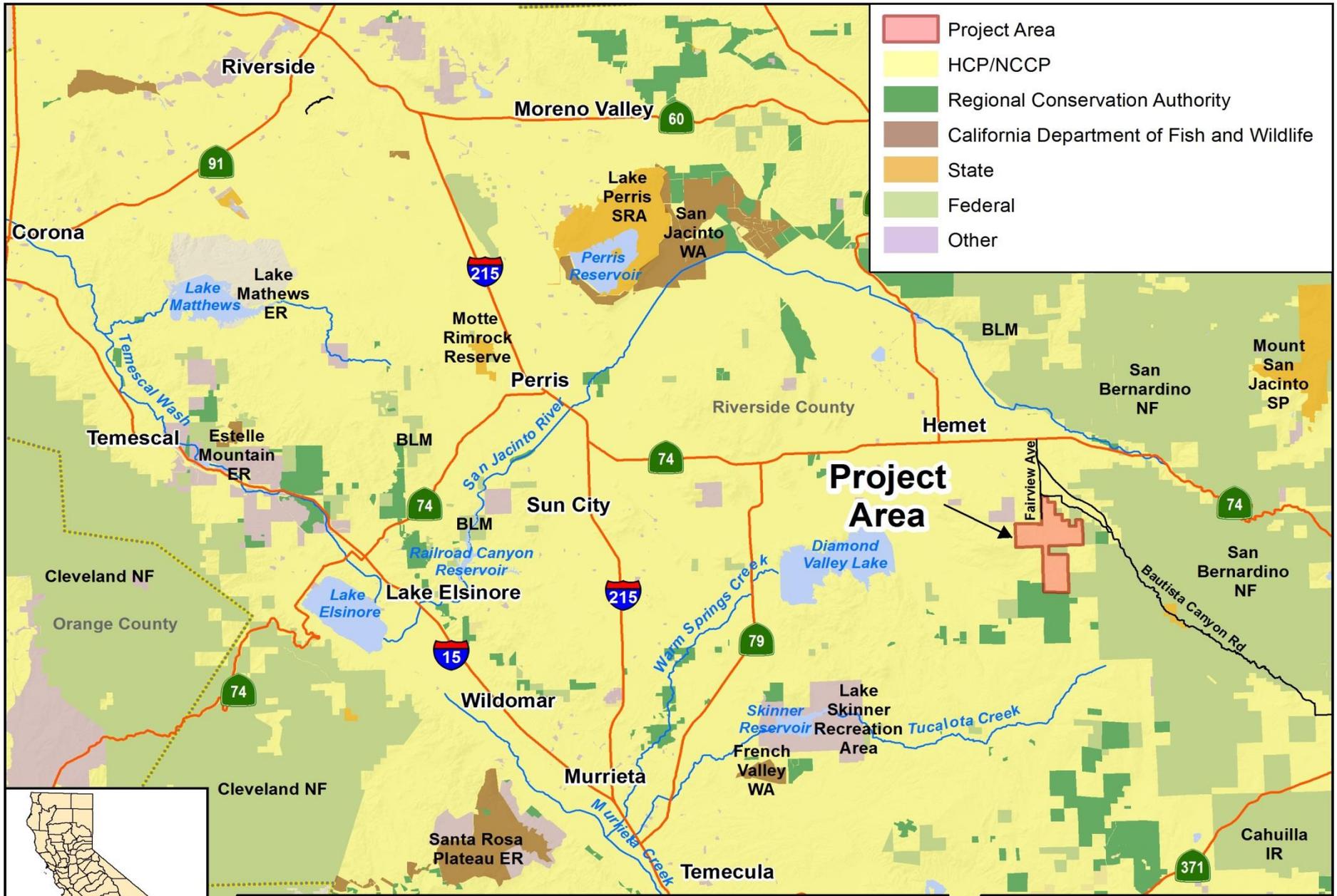
Photo courtesy of the Western Riverside County
Regional Conservation Authority

The site has a rolling to rough mountainous topography covered with various types of vegetation including chaparral and coastal sage scrub, a soft-leaved drought-deciduous subshrub, which serves an important and necessary component to the survival of several resident species. (Photo courtesy of Western Riverside County Regional Conservation Authority)

#9. Western Riverside MSHCP (2012) - Caramello



The Authority will manage the Property as part of the WRC MSHCP reserve system, which serves to provide permanent habitat protection for populations of federal and state-listed endangered and threatened species.



- Project Area
- HCP/NCCP
- Regional Conservation Authority
- California Department of Fish and Wildlife
- State
- Federal
- Other

**Western Riverside MSHCP (2014/2015) - Bautista
Riverside County**

WCB
State of California
Wildlife Conservation Board

7.5 Miles

10 WCB 11/19/2015 lo/WLB



#10. Western Riverside MSHCP (2014/2015) - Bautista



Photo courtesy of the Western Riverside County
Regional Conservation Authority

The Bautista Property is situated within a high priority conservation area in the WRC MSHCP. This high priority area focuses its conservation efforts on the western slope of the San Jacinto Mountains.

#10. Western Riverside MSHCP (2014/2015) - Bautista



The Property is situated in an area that supports a suite of covered species that contain key populations of eight federally listed species, five of which are also State listed, and at least eleven sensitive, unlisted species.

#10. Western Riverside MSHCP (2014/2015) - Bautista



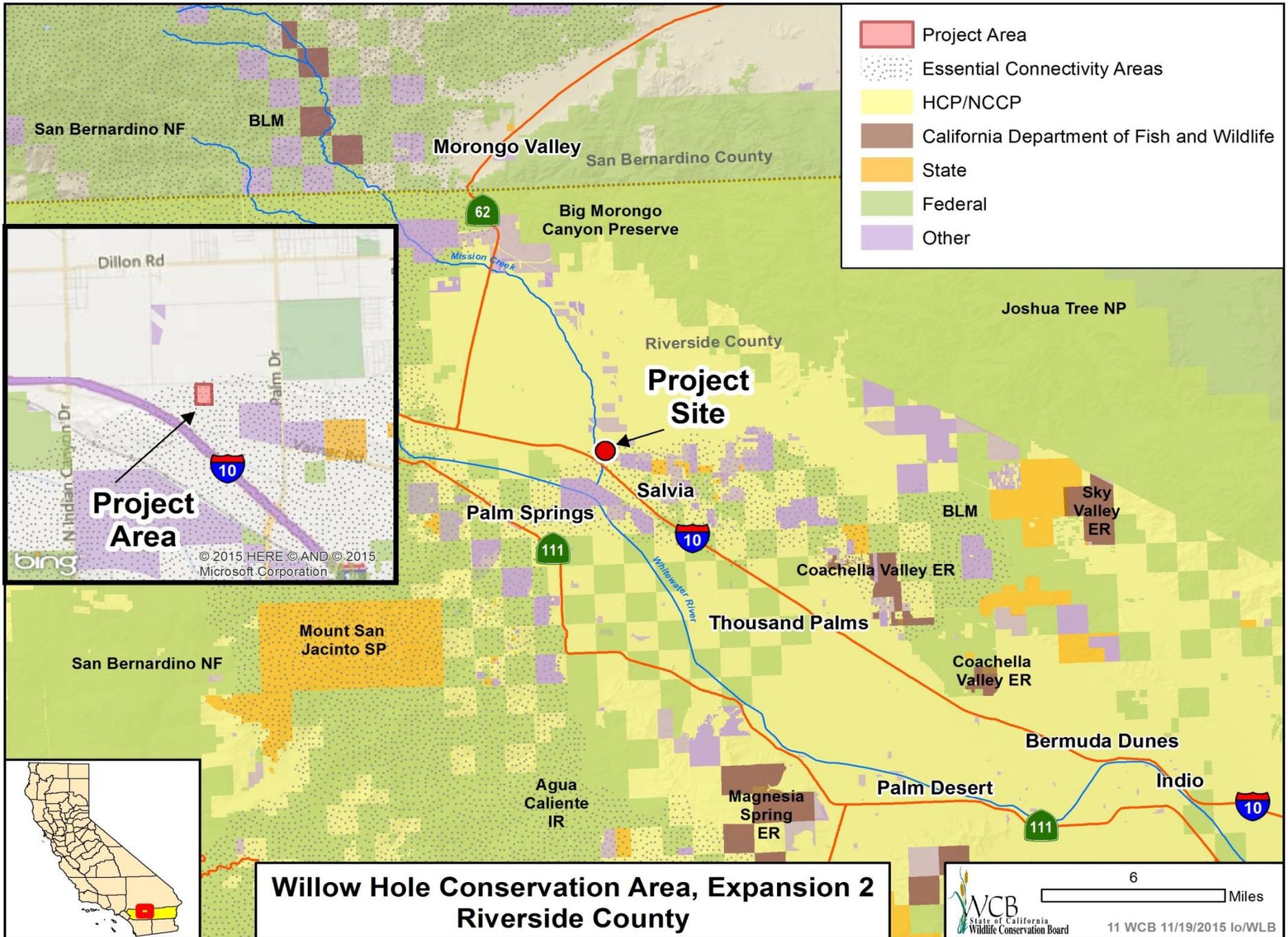
The Property is located in an area that will provide core living and breeding habitat for several covered species that include the coastal California gnatcatcher, quino checkerspot butterfly, least Bell's vireo, southwestern willow flycatcher and the Stephens' kangaroo rat.

#10. Western Riverside MSHCP (2014/2015) - Bautista

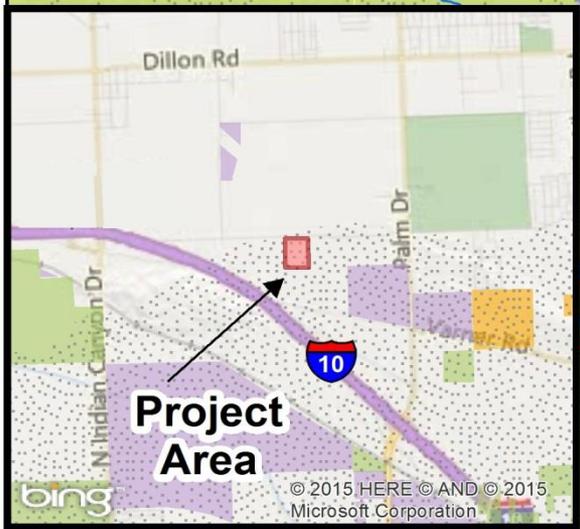


Photo courtesy of the Western Riverside County
Regional Conservation Authority

Scenic view of the property



- Project Area
- Essential Connectivity Areas
- HCP/NCCP
- California Department of Fish and Wildlife
- State
- Federal
- Other



**Willow Hole Conservation Area, Expansion 2
Riverside County**

#11. Willow Hole Conservation Area, Expansion 2



Westerly view of the Property

#11. Willow Hole Conservation Area, Expansion 2

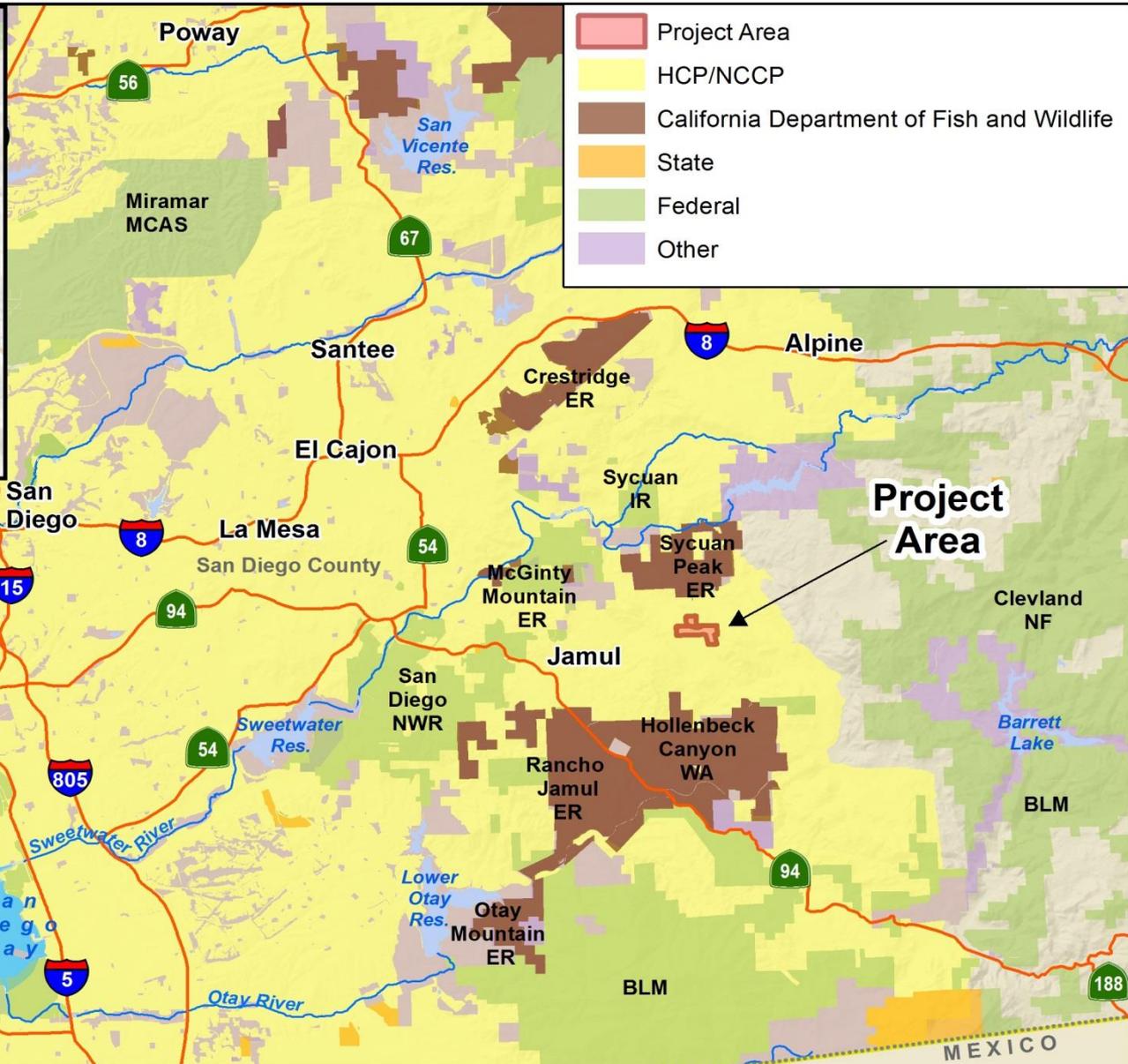
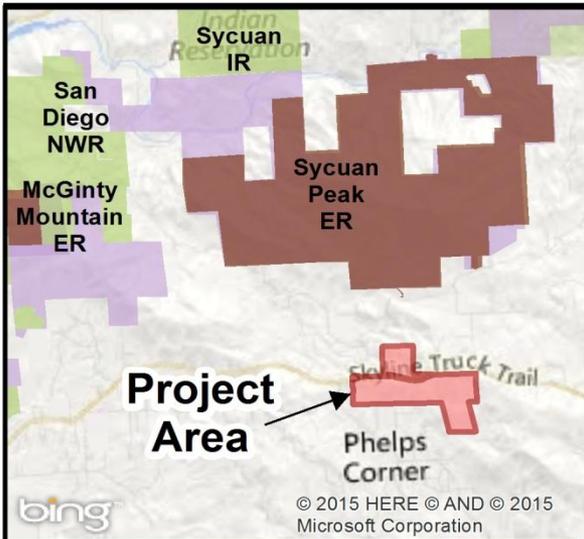


Easterly view of the Property

#11. Willow Hole Conservation Area, Expansion 2



Blowsand flat with creosote bushes that support the Coachella Valley fringe-toed lizard.



**San Diego County
Multiple Species Conservation Plan (Skyline 244)
San Diego County**

#12. San Diego County Multiple Species Conservation Plan (Skyline 244)



Vegetation and topography found on property

#12. San Diego County Multiple Species Conservation Plan (Skyline 244)

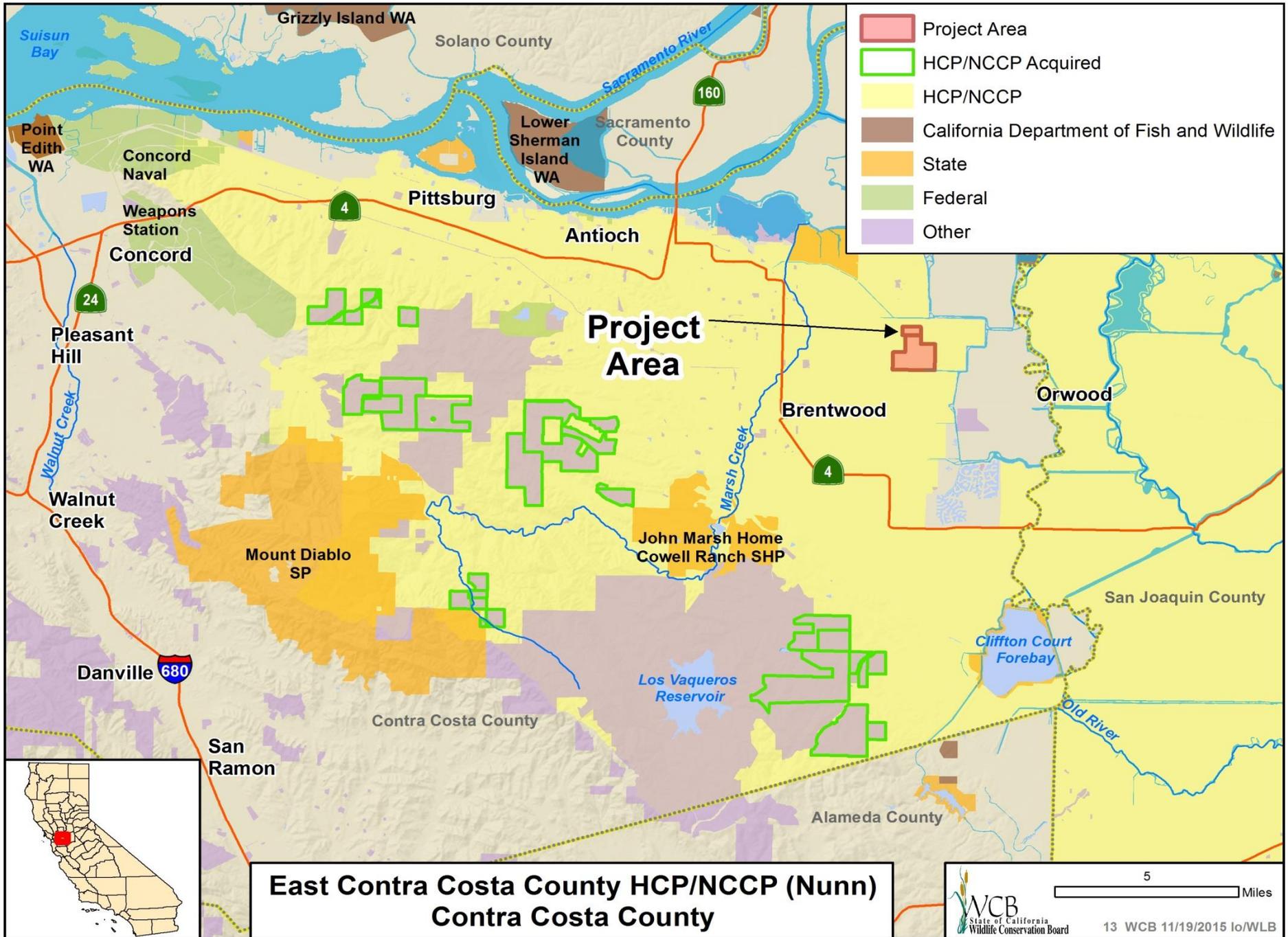


#12. San Diego County Multiple Species Conservation Plan (Skyline 244)



#12. San Diego County Multiple Species Conservation Plan (Skyline 244)





	Project Area
	HCP/NCCP Acquired
	HCP/NCCP
	California Department of Fish and Wildlife
	State
	Federal
	Other



East Contra Costa County HCP/NCCP (Nunn)
Contra Costa County

5 Miles
 13 WCB 11/19/2015 lo/WLB

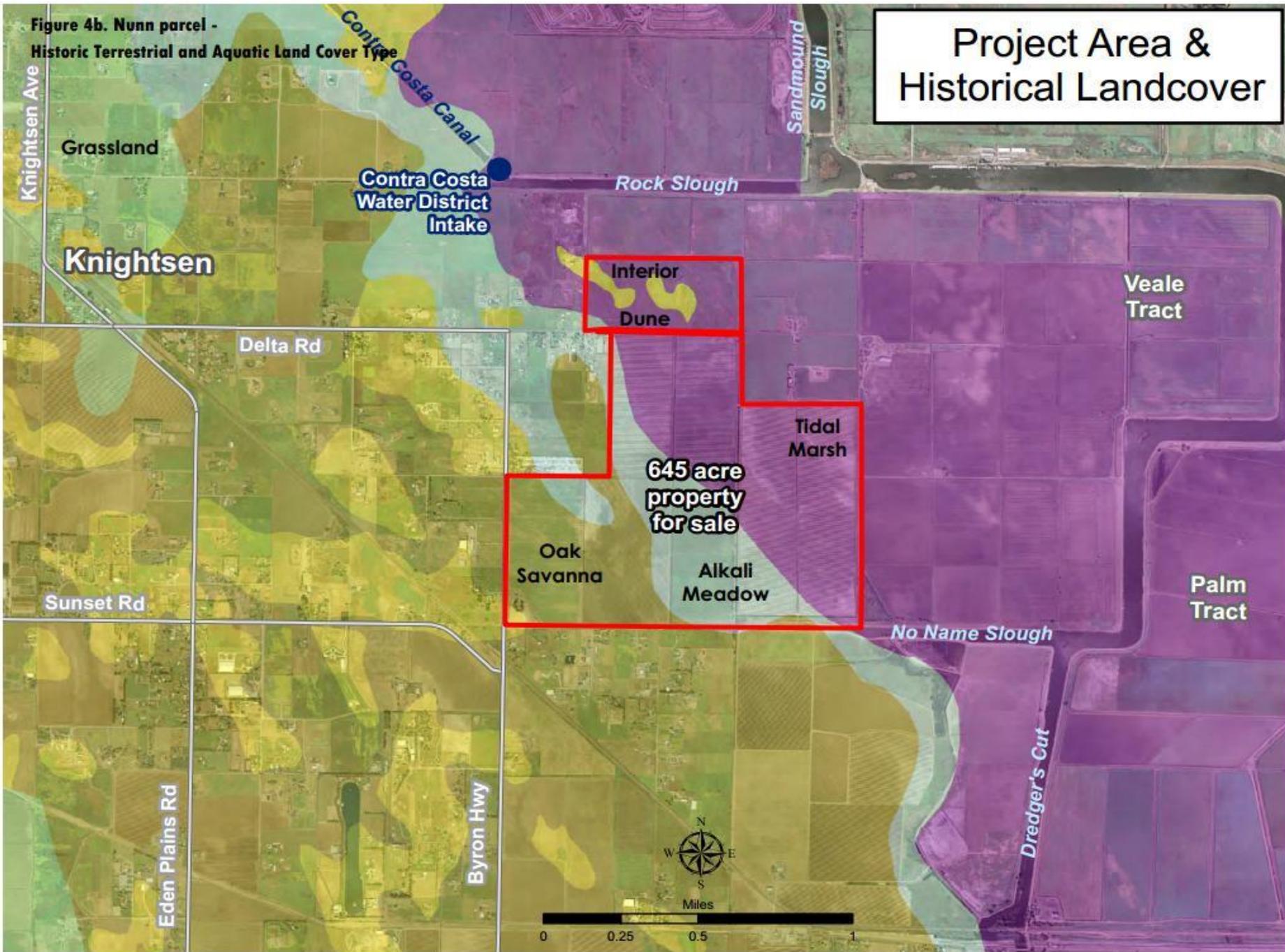
#13. East Contra Costa County HCP/NCCP (Nunn)



No Name Slough and pump along the southern boundary of the property. View is looking east along Eagle Lane.

Figure 4b. Nunn parcel -
Historic Terrestrial and Aquatic Land Cover Type

Project Area & Historical Landcover



#13. East Contra Costa County HCP/NCCP (Nunn)



Silvery legless lizard

#13. East Contra Costa County HCP/NCCP (Nunn)



One of the many drainages on the property and one of the lots used for row crops

#13. East Contra Costa County HCP/NCCP (Nunn)



Looking west, with Mount Diablo in the background. One of many drainage ditches on the Property.

#13. East Contra Costa County HCP/NCCP (Nunn)



View of cropland on the property looking east from Byron Highway

- Project Area
- San Joaquin River Conservancy
- California Department of Fish and Wildlife
- State
- Federal
- Other



**San Joaquin River Parkway, Ball Ranch (Quarry Site)
Fresno County**



WCB
State of California
Wildlife Conservation Board

2 Miles

14 WCB 11/19/2015 lo/WLB

#14. San Joaquin River Parkway, Ball Ranch (Quarry Site)



Aerial view of Ball Ranch

#14. San Joaquin River Parkway, Ball Ranch (Quarry Site)



Aerial view with parcel maps outlined

#14. San Joaquin River Parkway, Ball Ranch (Quarry Site)



Plant Site

#14. San Joaquin River Parkway, Ball Ranch (Quarry Site)

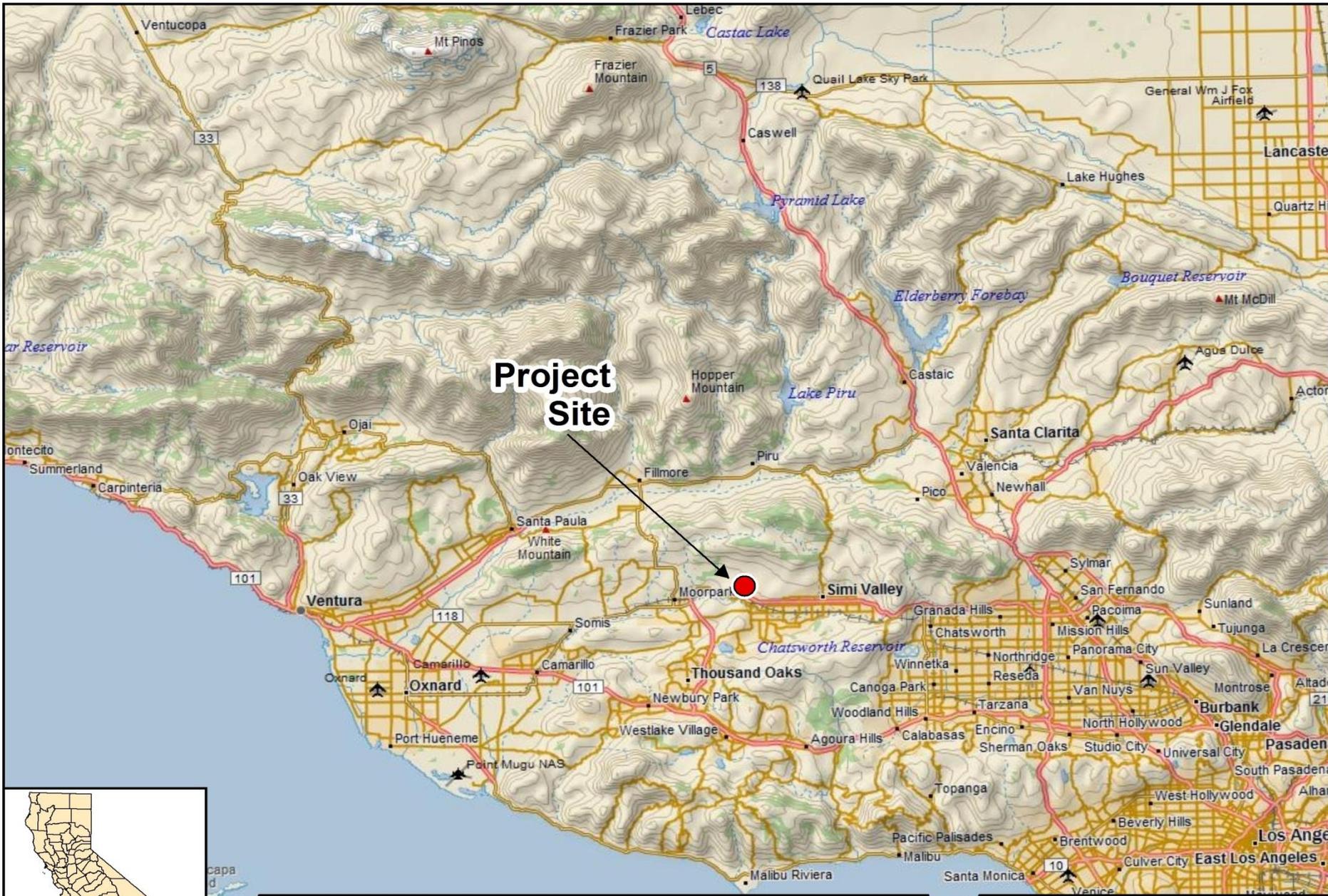


Road along the southern end of the Property

#15. Big Creek Reserve Facility Improvements, Phase II



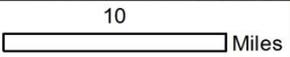
This Project was withdrawn from consideration at this time.

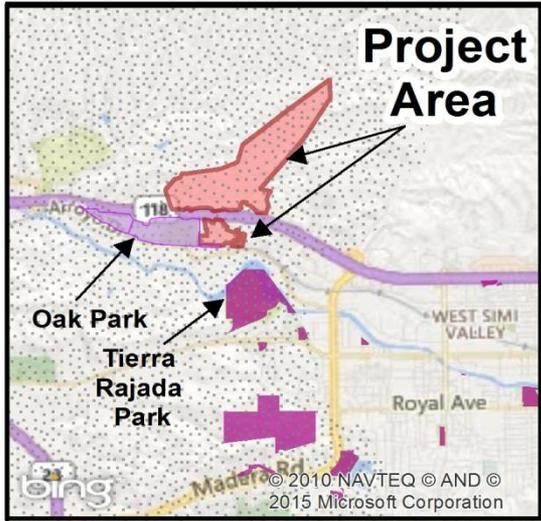
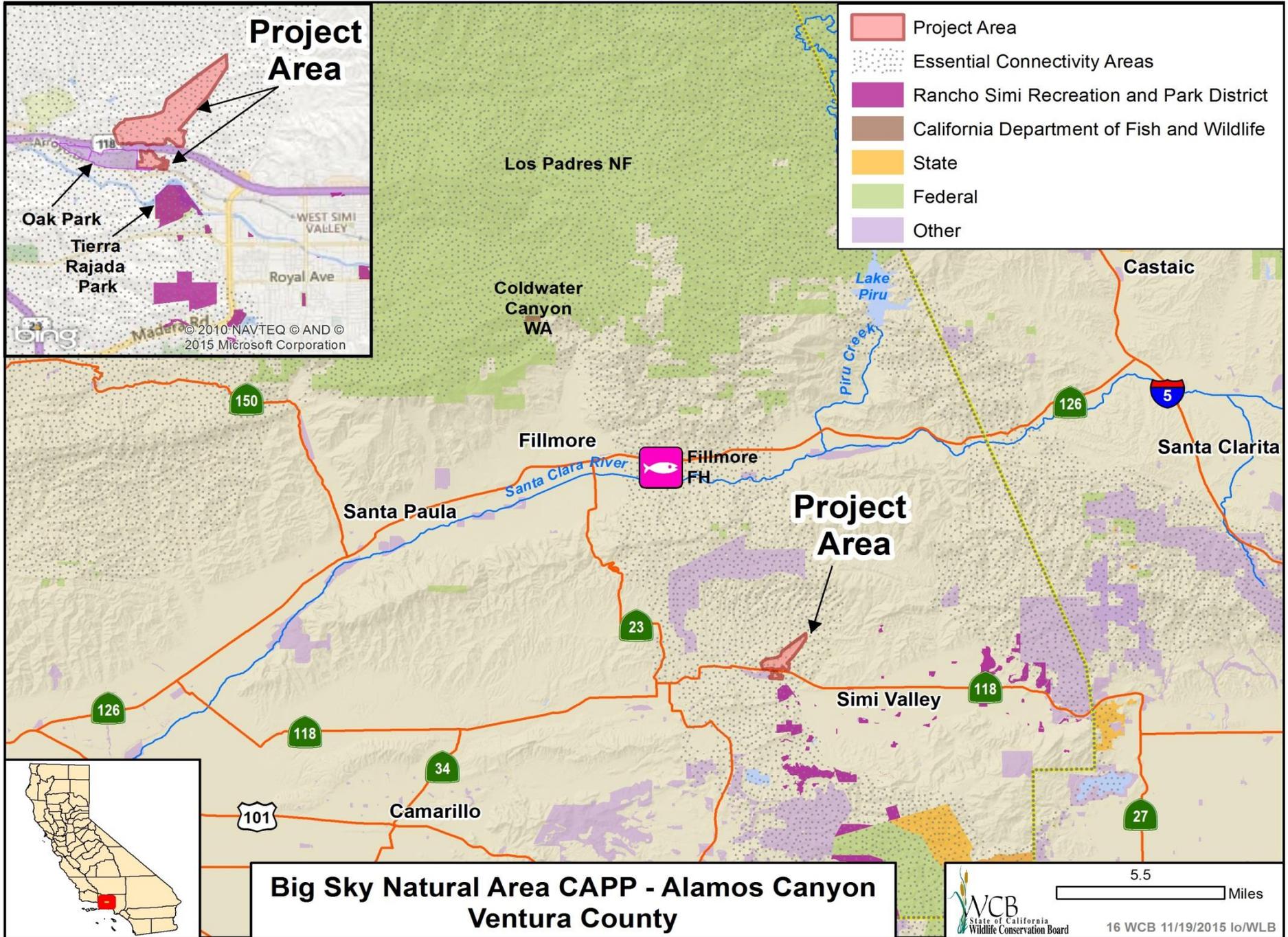


Project Site



**Big Sky Natural Area CAPP - Alamos Canyon
Ventura County**





- Project Area
- Essential Connectivity Areas
- Rancho Simi Recreation and Park District
- California Department of Fish and Wildlife
- State
- Federal
- Other

**Big Sky Natural Area CAPP - Alamos Canyon
Ventura County**

#16. Big Sky Natural Area CAPP – Alamos Canyon



Underpass to be used as a wildlife passage under the 118 freeway looking west

#16. Big Sky Natural Area CAPP – Alamos Canyon



Underpass to be used as a wildlife passage under the 118 freeway looking east

#16. Big Sky Natural Area CAPP – Alamos Canyon



Western side of property

#16. Big Sky Natural Area CAPP – Alamos Canyon

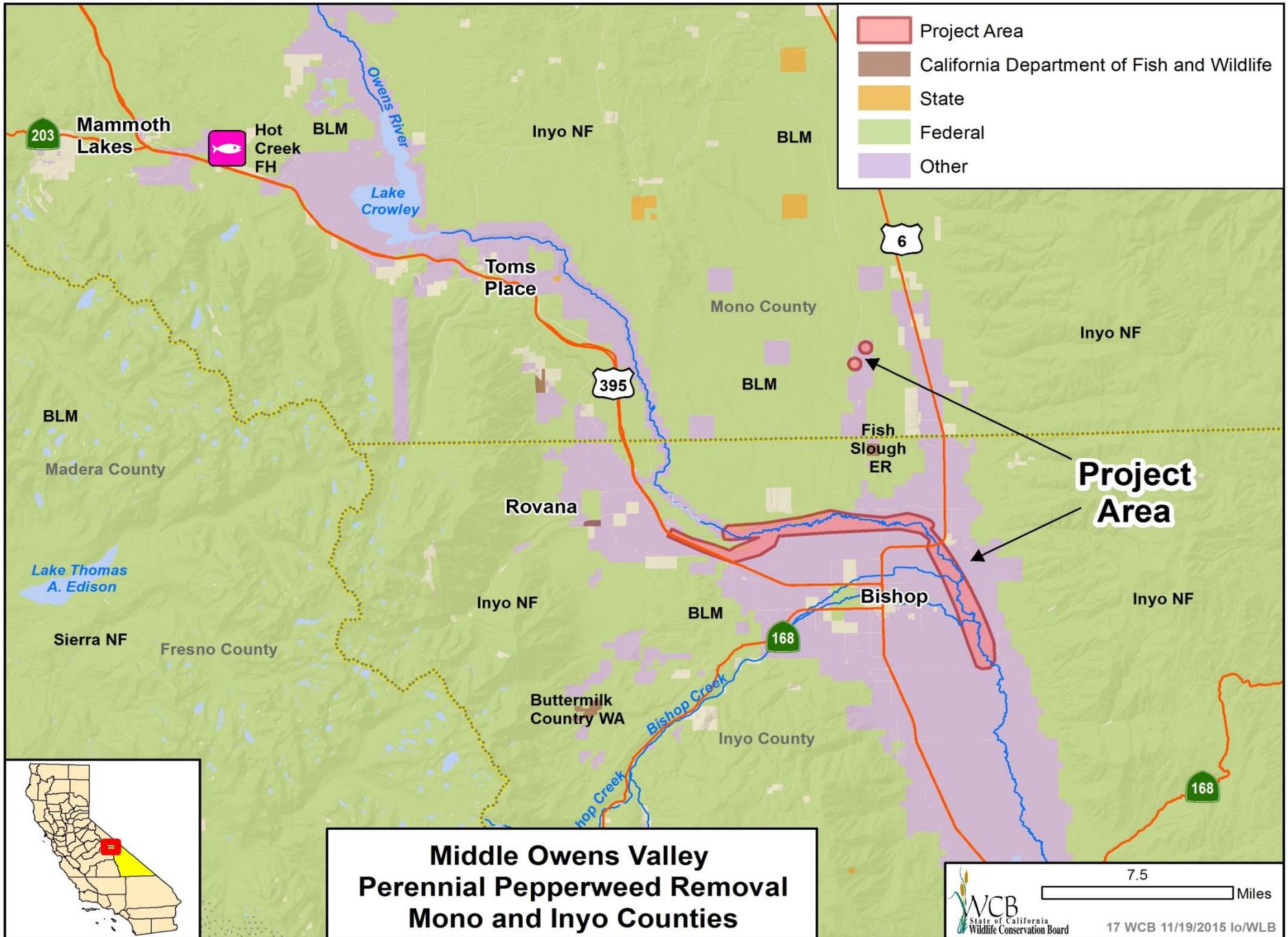


Riparian corridor looking northwest on Alamos Canyon

#16. Big Sky Natural Area CAPP – Alamos Canyon



Overview of main parcel on east side of 118 freeway



- Project Area
- California Department of Fish and Wildlife
- State
- Federal
- Other

Project Area

**Middle Owens Valley
Perennial Pepperweed Removal
Mono and Inyo Counties**



#17. Middle Owens Valley Perennial Pepperweed Removal



Treatment area, middle Owens River and Fish Slough

#17. Middle Owens Valley Perennial Pepperweed Removal



Photo courtesy of County Agricultural Commissioner

This project would enhance habitat in the middle Owens River project area, as well as protecting sensitive areas of the recovering Lower Owens River downstream

#17. Middle Owens Valley Perennial Pepperweed Removal



Photo courtesy of County Agricultural Commissioner

Middle Owens Riparian project area

#17. Middle Owens Valley Perennial Pepperweed Removal



Photo courtesy of County Agricultural Commissioner

Pepperweed infestation near proposed project area

#17. Middle Owens Valley Perennial Pepperweed Removal



Photo courtesy of County Agricultural Commissioner

Potential for severe impacts: A section of the Truckee River infested with pepperweed near Reno, NV

#17. Middle Owens Valley Perennial Pepperweed Removal



Treated area at Fish Slough

#17. Middle Owens Valley Perennial Pepperweed Removal



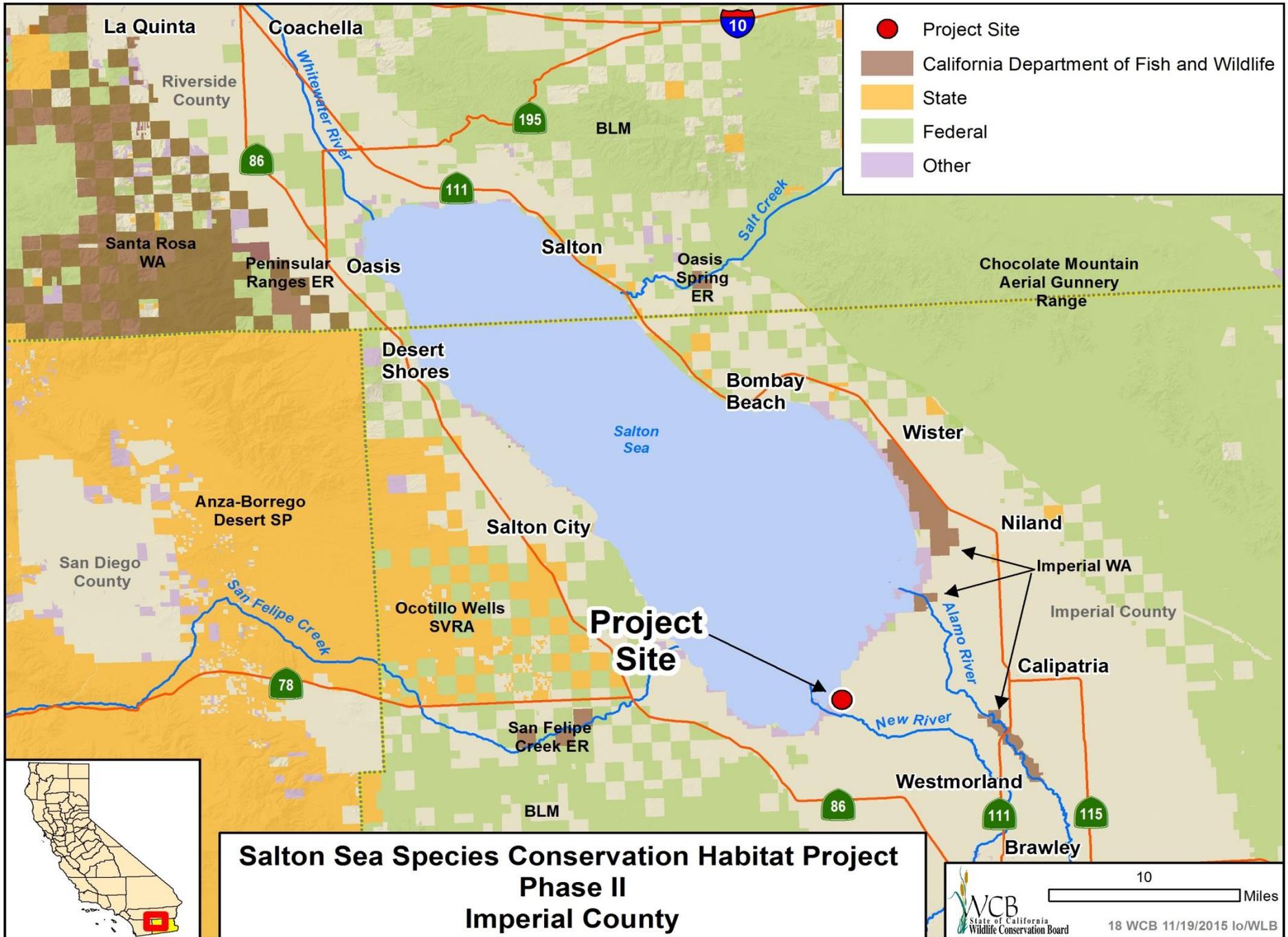
Photo courtesy of County Agricultural Commissioner

Recovered habitat after pepperweed removal

#17. Middle Owens Valley Perennial Pepperweed Removal



Middle Owens River

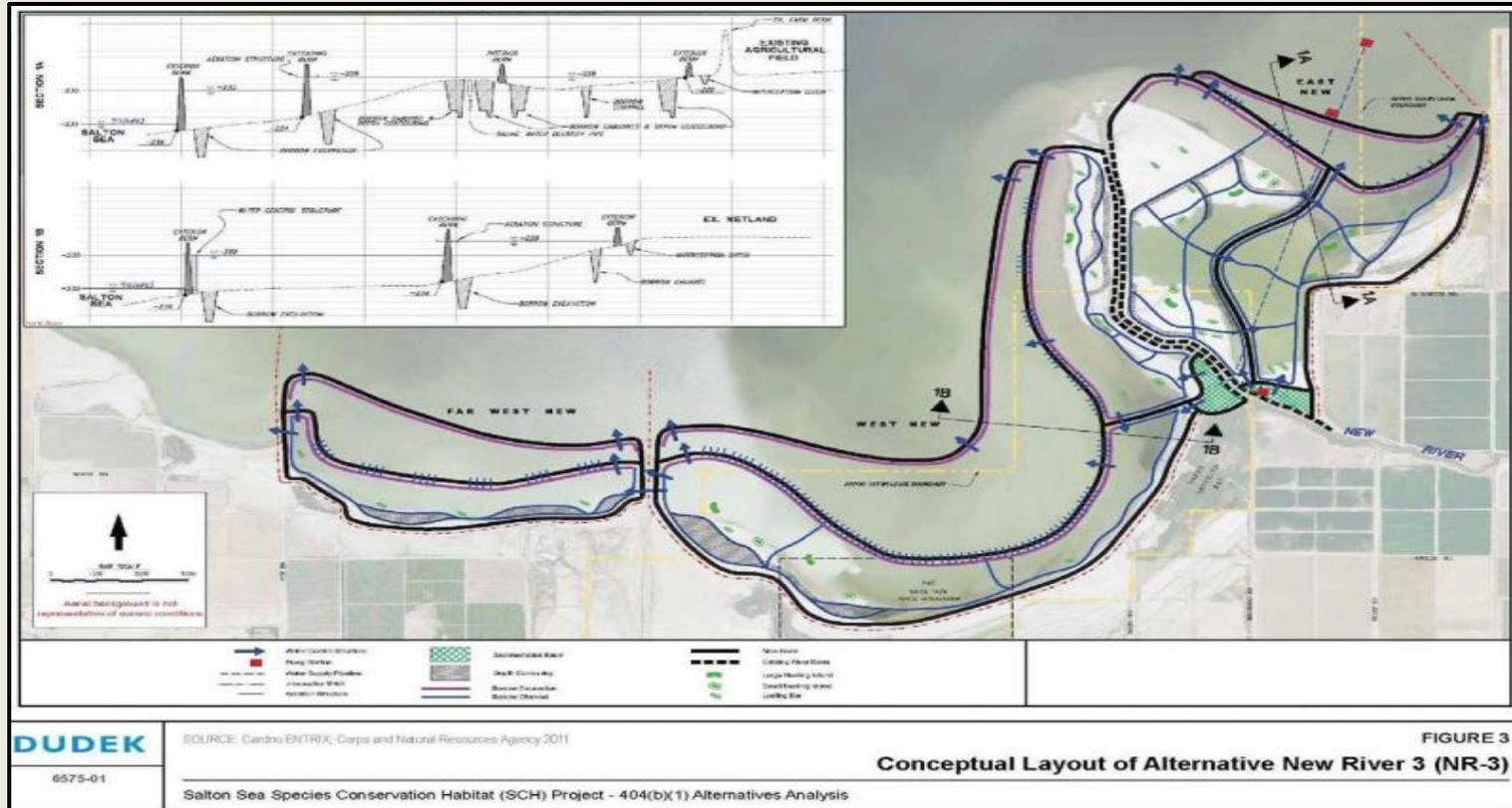


#18. Salton Sea Species Conservation Habitat Project, Phase II



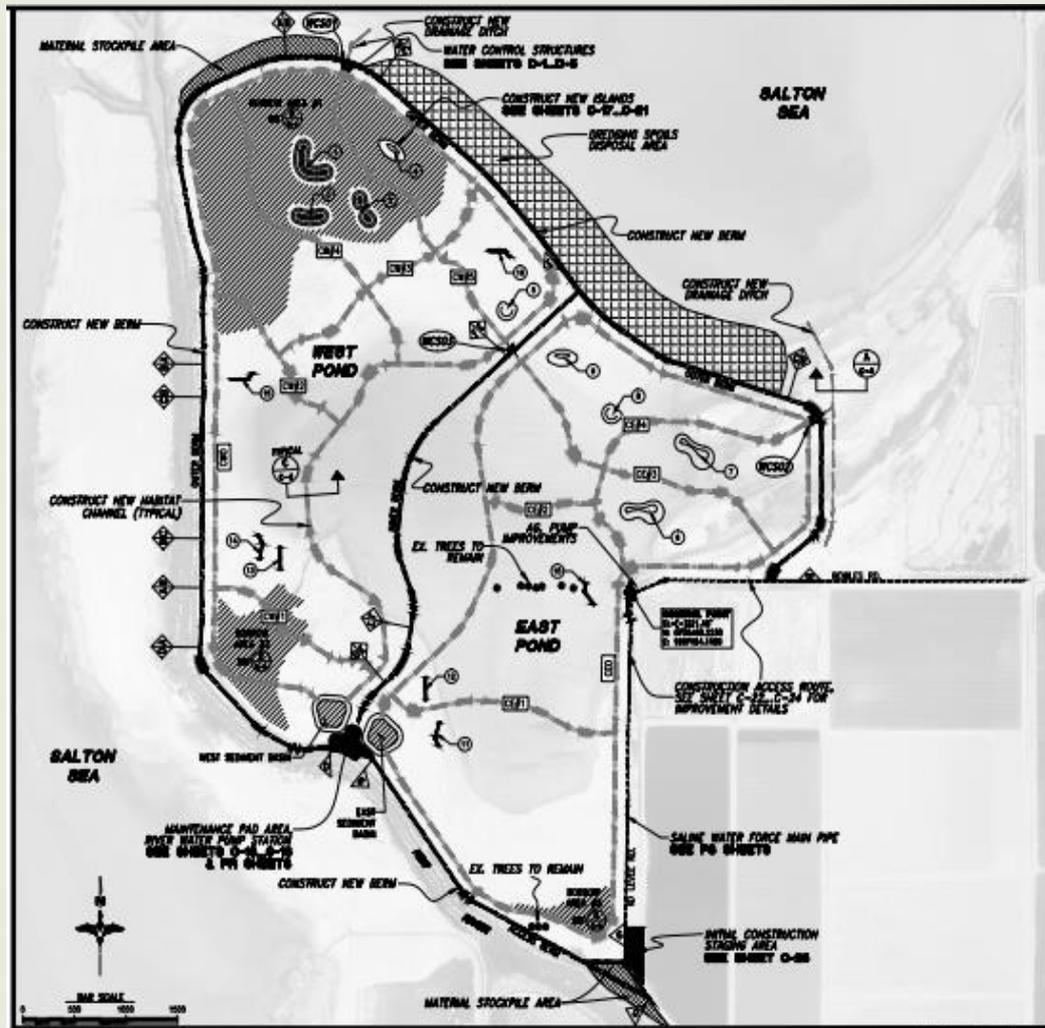
Looking north at the Salton Sea. Imperial Valley agriculture runoff flows into the New and Alamo Rivers and empties into the Sea.

#18. Salton Sea Species Conservation Habitat Project, Phase II



Conceptual layout of the 3,770 acres of Species Conservation Habitat (SCH) ponds. This project will construct 640 acres just east of the New River

#18. Salton Sea Species Conservation Habitat Project, Phase II



Current project will construct 640 acres of the SCH ponds. Project will consist of two ponds with multiple islands and channels.

#18. Salton Sea Species Conservation Habitat Project, Phase II



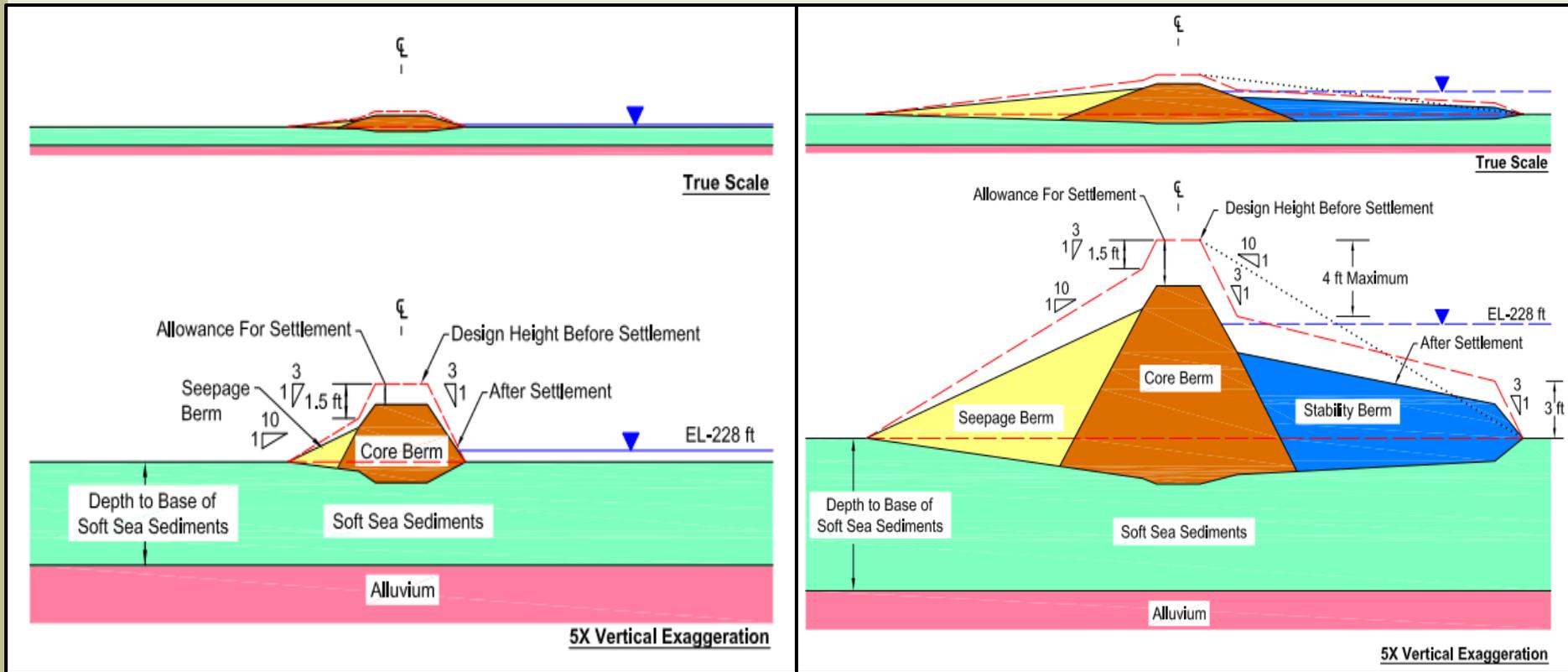
Looking north towards the Salton Sea at the New River. The Species Conservation Habitat (SCH) ponds will be constructed just east (to the right in photo above) of the New River on the exposed playa.

#18. Salton Sea Species Conservation Habitat Project, Phase II



Looking west across playa where SCH ponds will be constructed with the New River and Salton Sea in the background.

#18. Salton Sea Species Conservation Habitat Project, Phase II



Engineered Berm Construction for SCH Ponds. From simple to highly complex

#18. Salton Sea Species Conservation Habitat Project, Phase II



Mullet Island located near the project site in the Salton Sea was one of the most productive nesting sites for double-crested cormorants and at times hosted the largest inland colony in the western U.S. In 2014, the water level of the Sea dropped and a land bridge formed, resulting in predator access and zero nesting cormorants. The proposed project will mimic this habitat on 1-2 acre islands in the SCH ponds.



- Project Site
- California Department of Fish and Wildlife
- State
- Federal
- Other

Project Site

**Imperial Wildlife Area Wetland Restoration
Phase II
Imperial County**

19 WCB 11/19/2015 Io/WLB

10 Miles



#19. Imperial Wildlife Area Wetland Restoration, Phase II



413 Phase I
Completed 2014
185 acres of Seasonal Wetlands Restored
5 acre Fishing Pond

413 Phase II
Proposed 2015 Restoration
150 acres of Seasonal Wetlands



Imperial Wildlife Area, Wister Unit Field 413 Phase II, WCB



- New Valve
- ☆ Phase I Valve
- ↑ New WCS
- ★ Phase I WCS
- Islands
- Completed Phase I Swale
- Phase II Swale
- Completed Phase I WCB/Duck Stamp Levee
- Phase II Levee
- Completed Phase I WCB Levee Removal
- Phase II Levee Removal
- Completed Phase I Pipeline

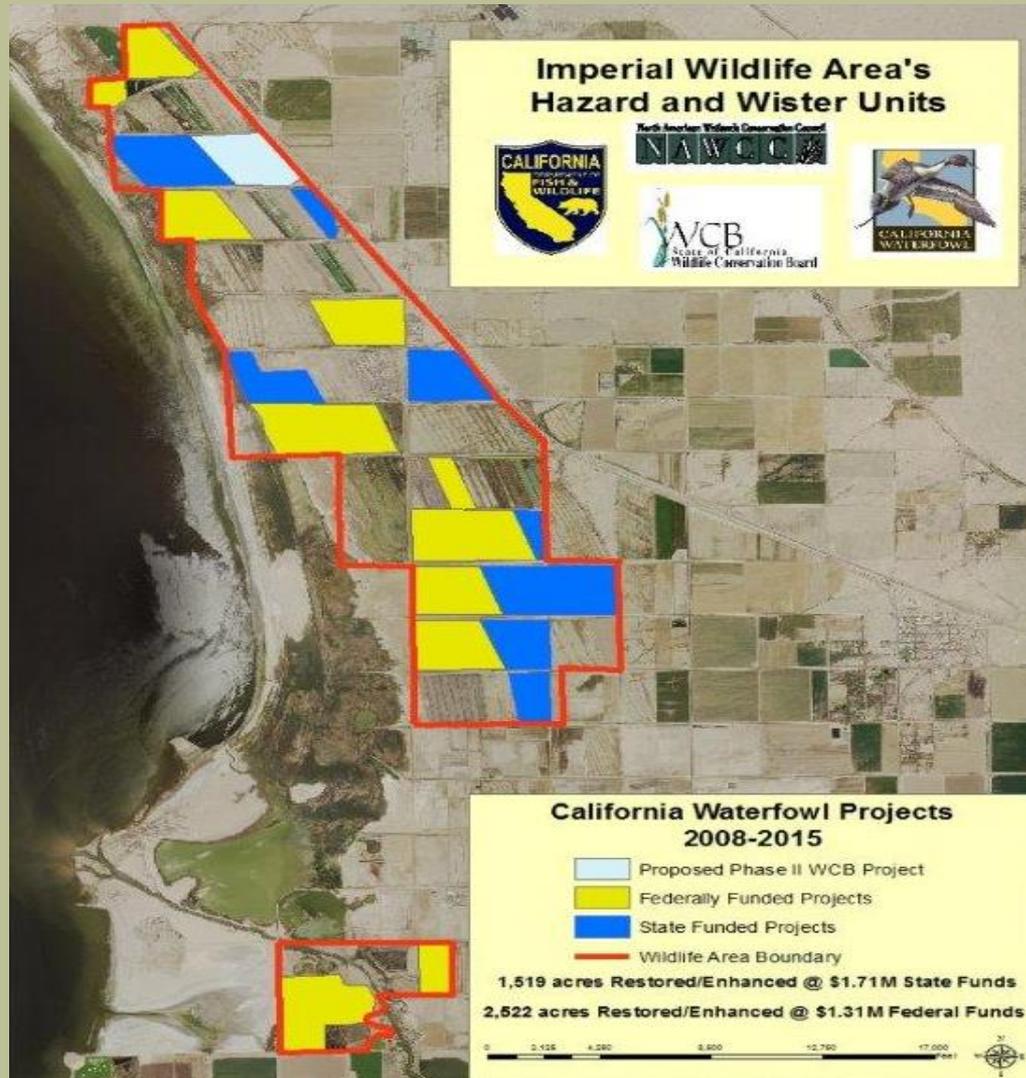
California Waterfowl Association
Jon Pickett
Regional Biologist
jpickett@calwaterfowl.org
(916) 662-5776



Map Provided By California Waterfowl Association 2015 California Waterfowl 1001



#19. Imperial Wildlife Area Wetland Restoration, Phase II



Federal and State funded projects since 2008

#19. Imperial Wildlife Area Wetland Restoration, Phase II



Clean site ready for restoration

#19. Imperial Wildlife Area Wetland Restoration, Phase II



Improved waterfowl feed production 2015

AUGMENTATION PROJECTS APPROVED SINCE 2005

Project Name	Approval Date
CDFW Land Management Plan Knoxville Wildlife Area, Augmentation	5/22/2014
DFG Land Management Plans, Central Coast Region, Phase II, Augmentation	2/24/2011
DFG Land Management Plans, Central Coast Region, Phase II, EIR Augmentation	2/23/2012
DFG Land Management Plans, Inland Deserts Region, Phase II, Augmentation	8/26/2010
DFG Land Management Plans, Northern Region, Phase II Augmentation	11/20/2008
San Joaquin River Parkway, Friant Cove Public Access Augmentation	2/24/2005
San Joaquin River Parkway, Friant Cove Public Access, Augmentation #2	11/16/2006
San Joaquin River Parkway, Habitat Restoration and Public Access Plan, Jensen River Ranch Augmentation	8/25/2005
San Joaquin River Parkway, Habitat Restoration and Public Access, Jensen River Ranch, Phase I Augmentation	11/16/2006
San Joaquin River Parkway, Lewis S. Eaton Trail River West CEQA Augmentation	6/2/2011
San Joaquin River Parkway, Lewis S. Eaton Trail River West CEQA, Augmentation III	11/20/2014
San Joaquin River Parkway, Lewis S. Eaton Trail River West CEQA, EIR Augmentation	2/23/2012
San Joaquin River Parkway, Lewis S. Eaton Trail, Friant Road Segment Augmentation	8/25/2005
San Joaquin River Parkway, San Joaquin Hatchery Public Access and Trail, Augmentation	8/28/2014
San Joaquin River Parkway, Sycamore Island Pond Isolation, Planning and Design, Augmentation	8/28/2014
San Joaquin River Parkway, Sycamore Island, North Channel Crossing Construction, Augmentation	8/30/2012
San Joaquin River Parkway, Sycamore Island, North Channel Crossing Construction, Augmentation II	6/4/2013
Bolsa Chica Ecological Reserve, Public Access Bridge, Augmentation and Fund Shift	5/28/2009
Carmel River, San Clemente Dam Removal, Augmentation	9/3/2015
Feather River Wildlife Area, Riparian Habitat Restoration, Abbott Lake Unit, Augmentation	9/3/2015
Goleta Slough Ecological Reserve Restoration, Augmentation and Change of Scope	11/18/2010
Humboldt Coastal Nature Center, Public Access Facilities, Augmentation	11/17/2009
Laguna de Santa Rosa Ludwigia Eradication Project Augmentation	5/25/2006
New and Alamo Rivers Wetland Master Plan, Phase I Augmentation	2/23/2006
Shaver Lake Boat Ramp Augmentation	11/17/2005
Wetland Habitat Restoration, Eden Landing Ecological Reserve, Augmentation	11/17/2005

November 19, 2015, 10:00am
Wildlife Conservation Board Meeting
State Capitol, Room 3191
Sacramento, California 95814

