

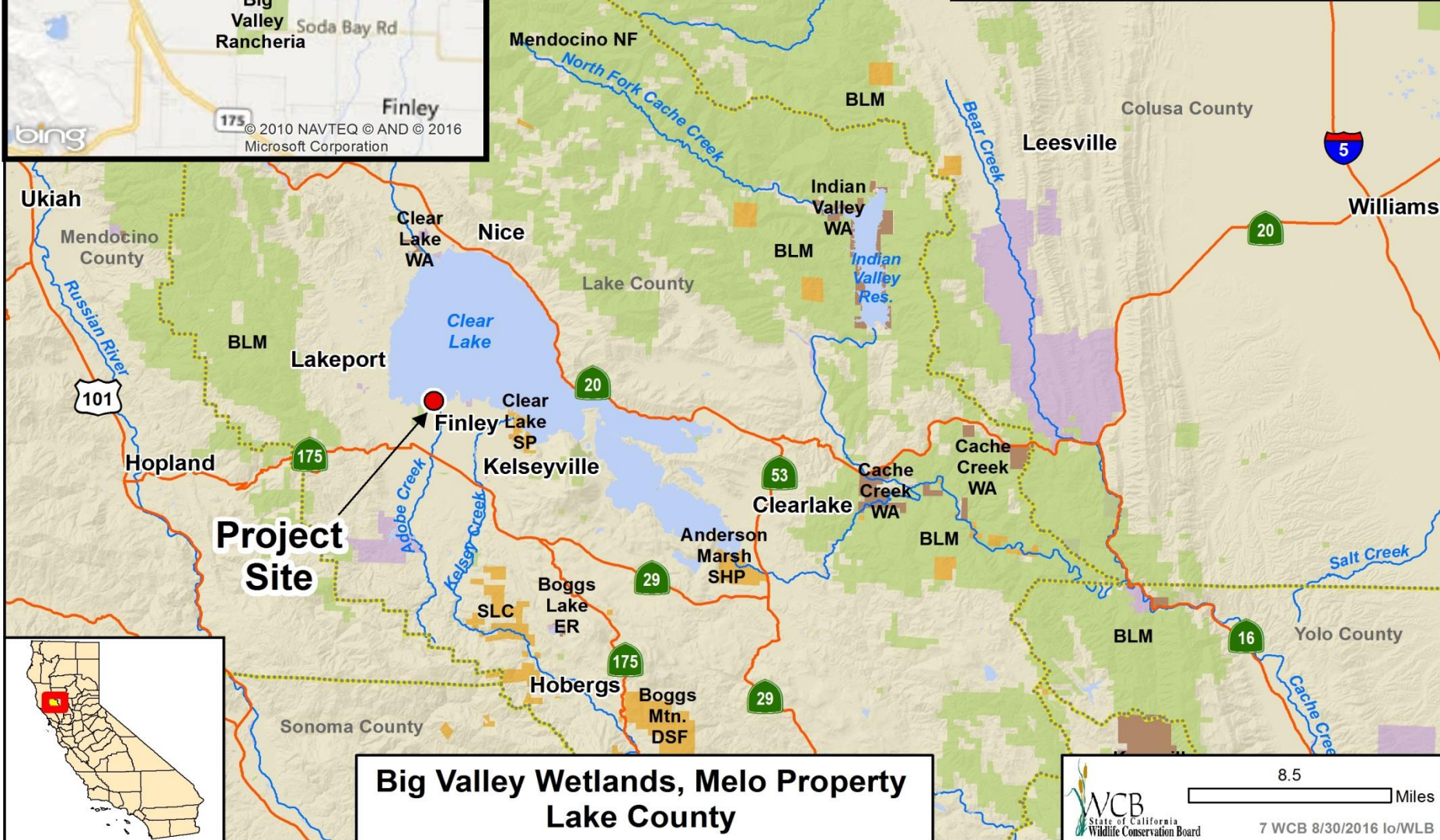
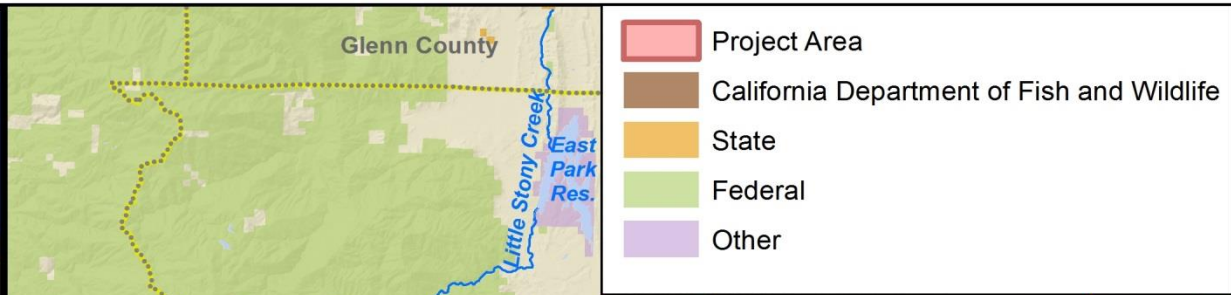
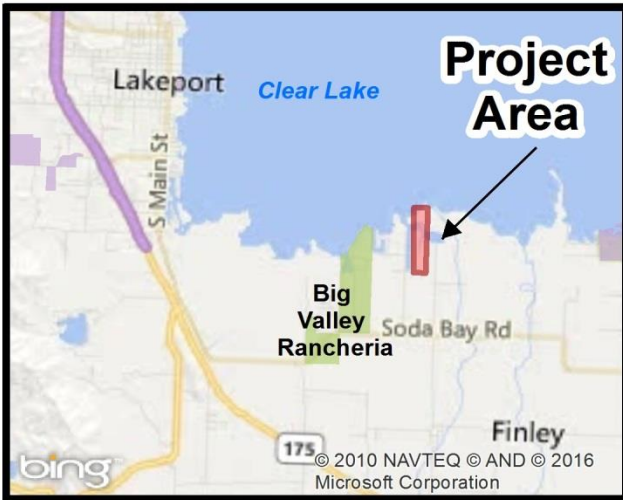
August 30, 2016, 10:00am

Wildlife Conservation Board Meeting

Natural Resources Building, First Floor Auditorium

Sacramento, California 95814





**Big Valley Wetlands, Melo Property
Lake County**

#7. Big Valley Wetlands, Melo Property



Shoreline Southerly View of Property – Mixed fresh water emergent and riparian habitat

#7. Big Valley Wetlands, Melo Property



Easterly shoreline inlet view of property in the background

#7. Big Valley Wetlands, Melo Property









Southerly view of the property shoreline inlet

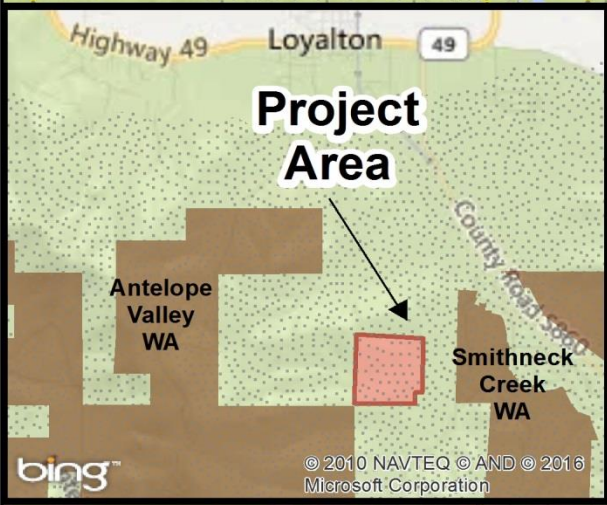
#7. Big Valley Wetlands, Melo Property



Northerly view of the property on the right with nearby development to the left

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

Project Area



Antelope Valley WA

Smithneck Creek WA

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**Antelope Valley Wildlife Area, Expansion 6
Sierra County**



6 Miles

8 WCB 8/30/2016 lo/WLB

#8. Antelope Valley Wildlife Area, Expansion 6



Southerly view of the property

#8. Antelope Valley Wildlife Area, Expansion 6



Northeasterly view of the property

#8. Antelope Valley Wildlife Area, Expansion 6

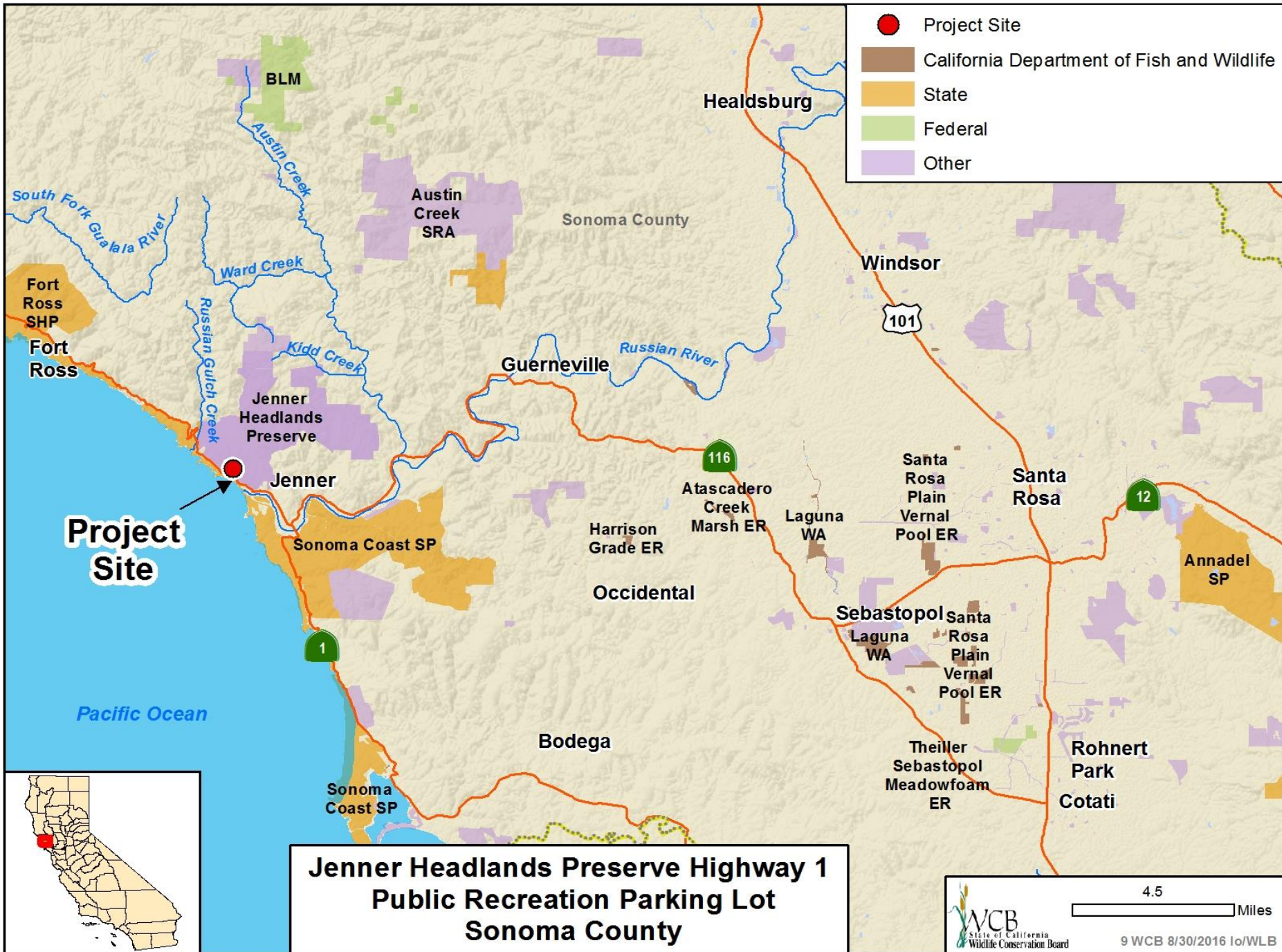


Northwesterly view of the property

#8. Antelope Valley Wildlife Area, Expansion 6



Easterly view of the property



#9. Jenner Headlands Preserve Highway 1 Public Recreation Parking Lot



Aerial photo of Jenner Headlands Preserve

#9. Jenner Headlands Preserve Highway 1 Public Recreation Parking Lot



Existing driveway looking toward the ocean (left) and onto the property (right)

#9. Jenner Headlands Preserve Highway 1 Public Recreation Parking Lot



Site for proposed parking lot

#9. Jenner Headlands Preserve Highway 1 Public Recreation Parking Lot



Jenner Headlands Public Access area looking southwest,
existing driveway to the right of picture

#9. Jenner Headlands Preserve Highway 1 Public Recreation Parking Lot



View from the proposed day use area on the Jenner Headlands Preserve

#9. Jenner Headlands Preserve Highway 1 Public Recreation Parking Lot

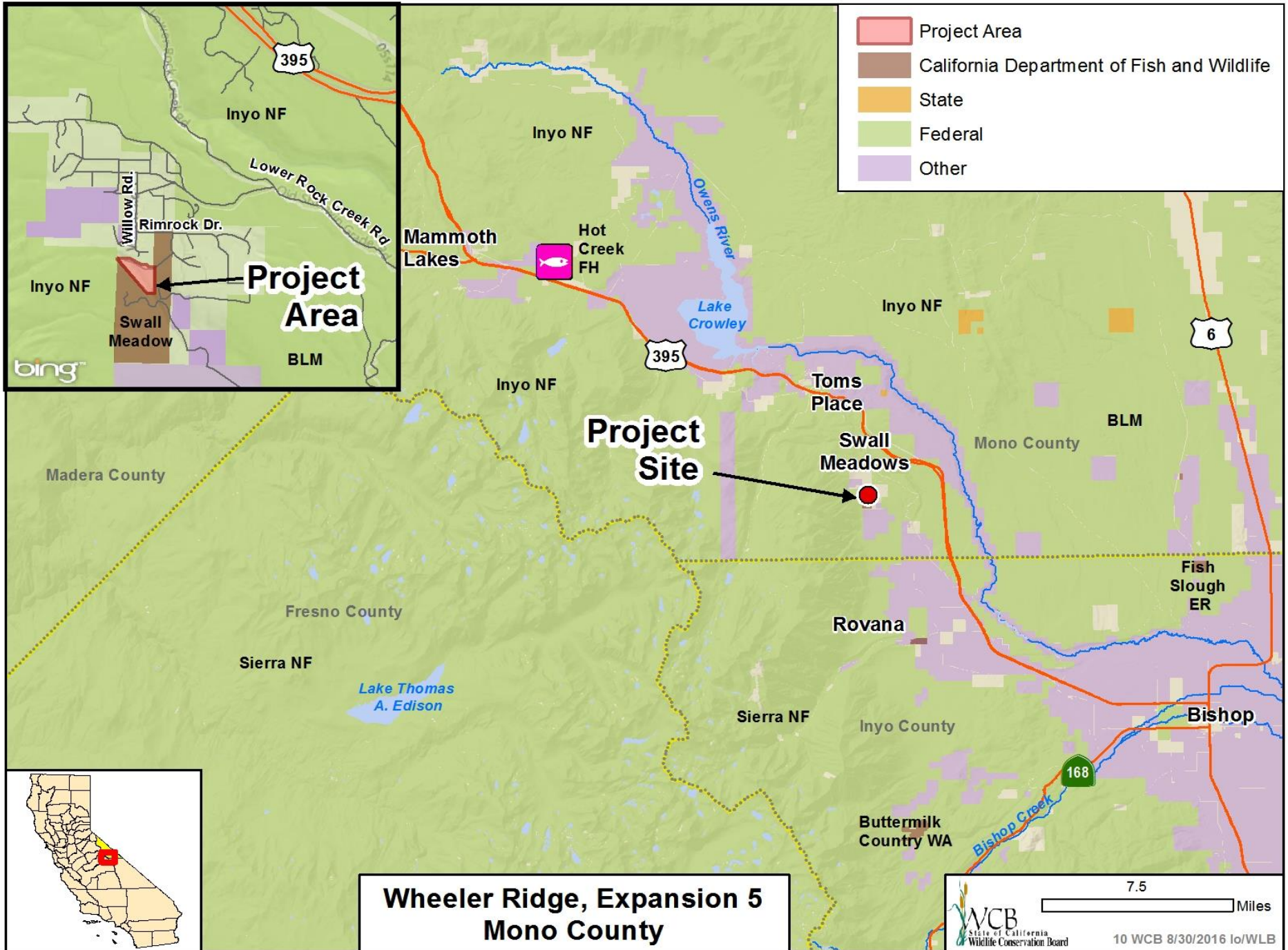


Proposed bathroom site

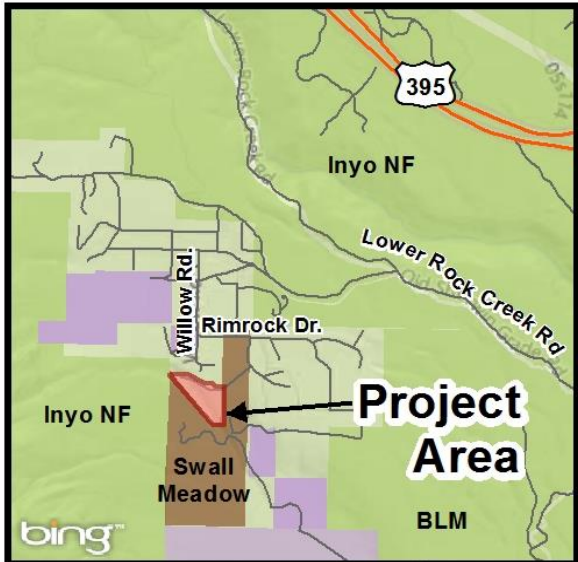
#9. Jenner Headlands Preserve Highway 1 Public Recreation Parking Lot



View of Goat Rock from trail on the Jenner Headlands Preserve



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



**Wheeler Ridge, Expansion 5
Mono County**

7.5 Miles

WCB
 State of California
 Wildlife Conservation Board

10 WCB 8/30/2016 Io/WLB

#10. Wheeler Ridge, Expansion 5



The property sits at the base of the dramatic Wheeler Ridge, a portion of the Sierra Mountains, and adjacent to land already owned and managed by CDFW. The area provides a critical migration corridor for the Round Valley mule deer herd and other wildlife.

#10. Wheeler Ridge, Expansion 5



The dry upper slopes of the property support native grasses and regrowth of shrub species such as bitterbrush following the devastating Round Fire that occurred in February 2015. Bitterbrush is an important browse plant favored by mule deer.

#10. Wheeler Ridge, Expansion 5



The property is located north of Round Valley at an elevation of 6,250 feet. Mule deer of the Round Valley herd overwinter at the lower elevations below and must traverse the Wheeler Ridge to reach the higher elevation summer range.

#10. Wheeler Ridge, Expansion 5

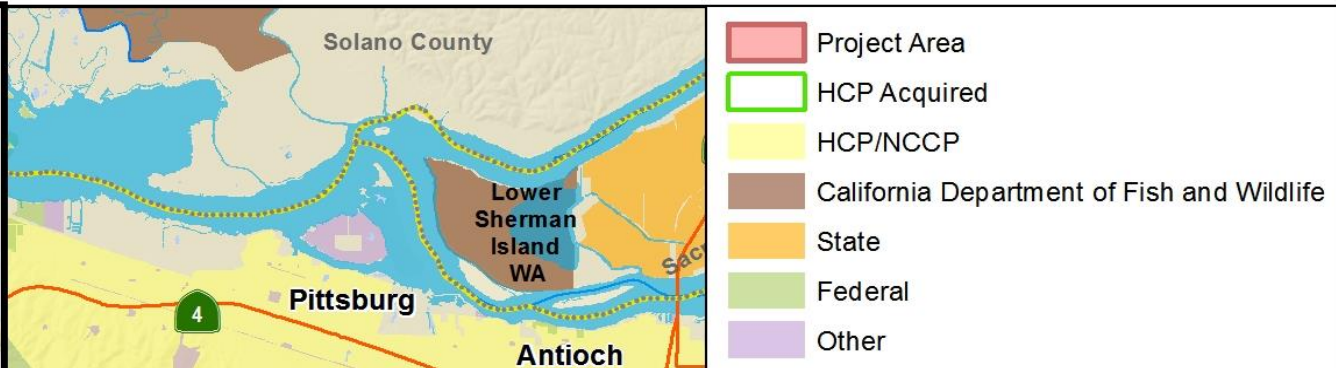
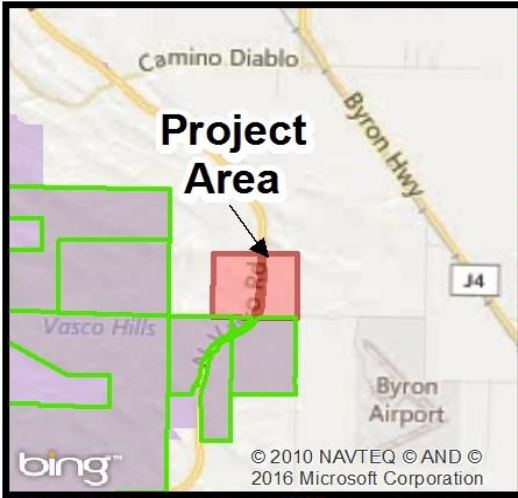


The property is crossed by a perennial creek and associated riparian habitat which is utilized heavily by wildlife including black bear and mule deer. Native plant species include water birch, willows and fireweed.

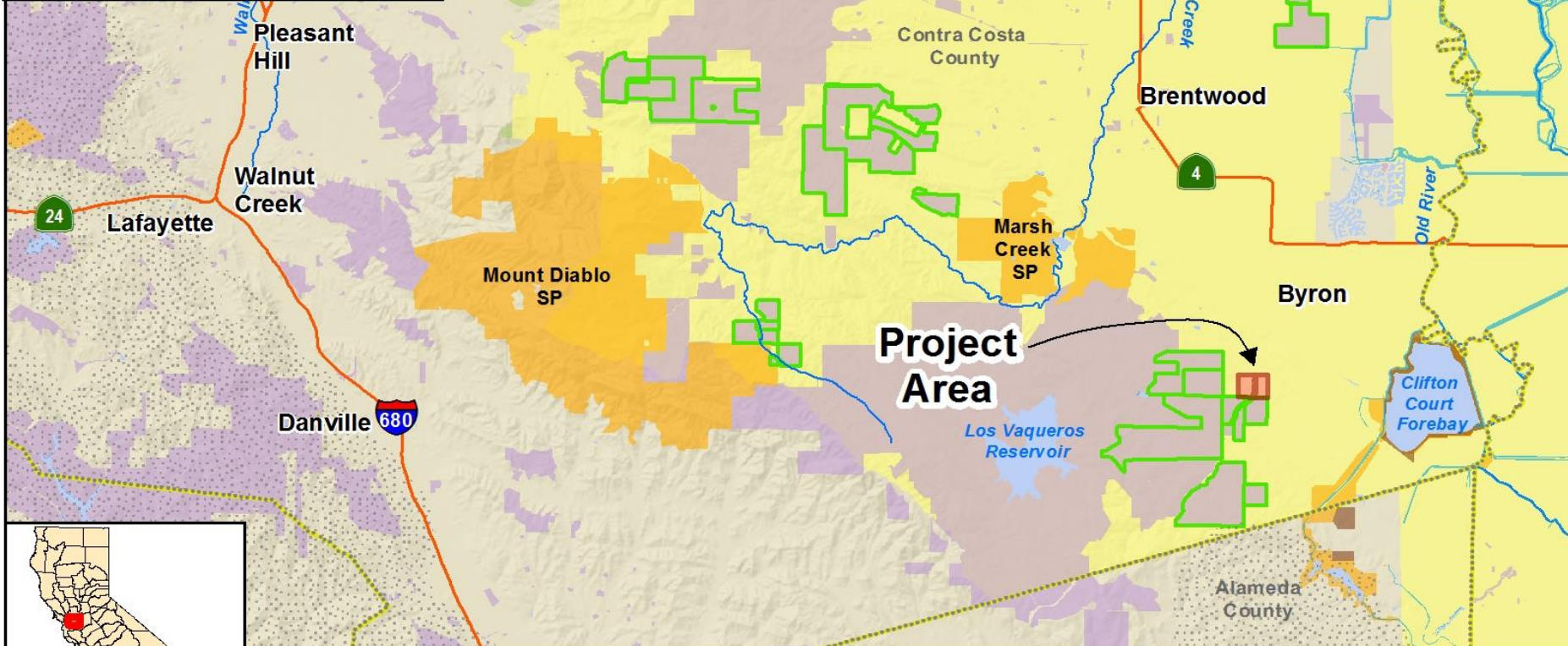
#10. Wheeler Ridge, Expansion 5



A checkered white butterfly on mountain monardella flowers



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



**East Contra Costa County HCP/NCCP (Coelho)
Contra Costa County**

#11. East Contra Costa HCP/NCCP (Coelho)



View looking southwest toward Vaquero Farms Central property from the northern portions of the western half of the Property

#11. East Contra Costa HCP/NCCP (Coelho)



Photo of brittle scale, a HCP/NCCP covered plant, taken on the Property

#11. East Contra Costa HCP/NCCP (Coelho)



Photo of San Joaquin spearscale, a HCP/NCCP covered plant, taken on the Property

#11. East Contra Costa HCP/NCCP (Coelho)



View looking southwest, standing at the northeast corner of the eastern half of the Property

#11. East Contra Costa HCP/NCCP (Coelho)



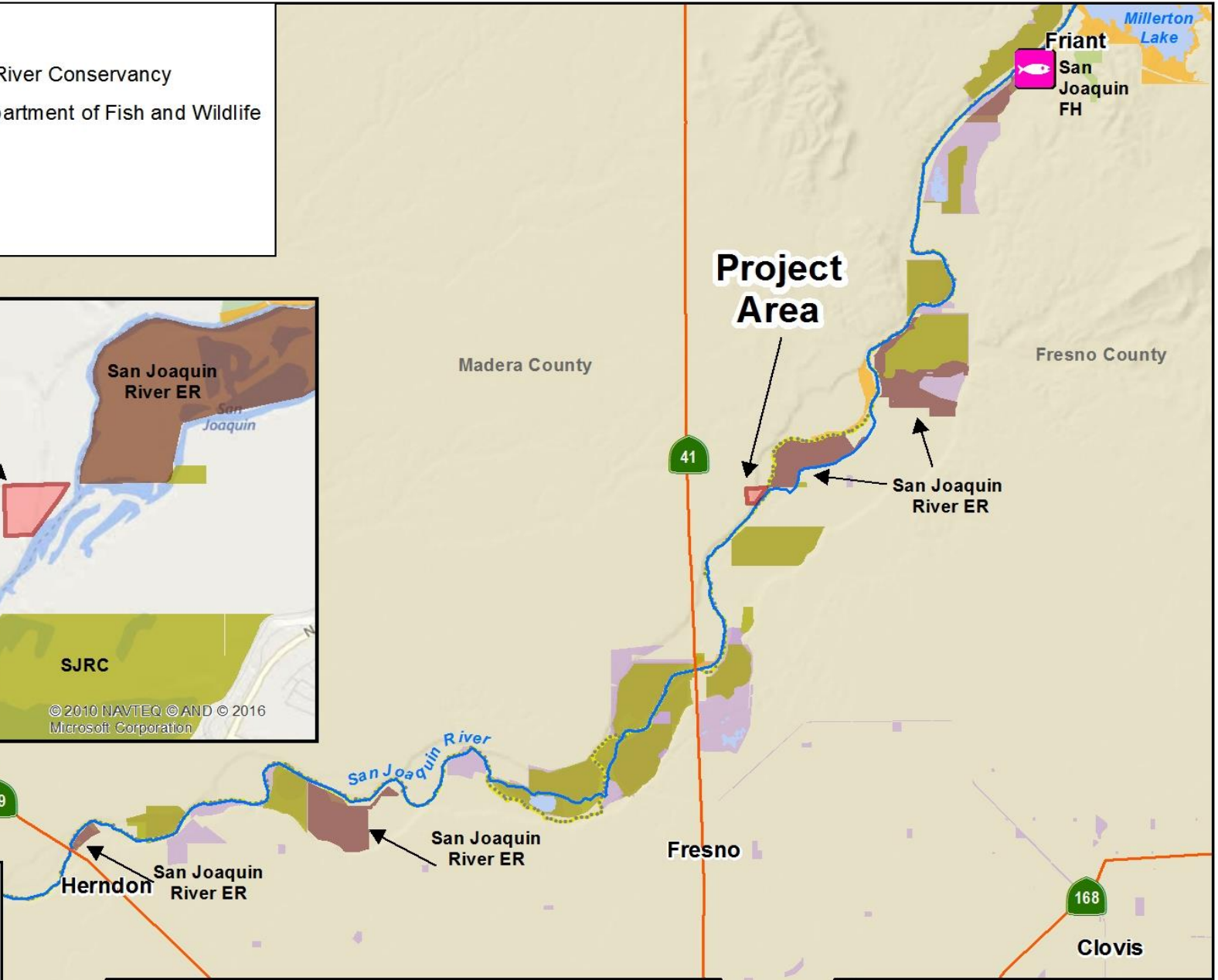
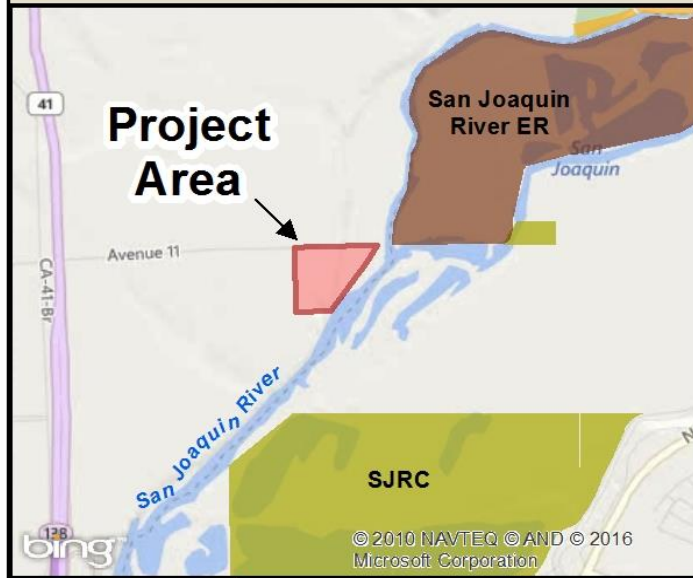
Looking east at the Vasco Rd tunnel that connects both halves of the Property

#11. East Contra Costa HCP/NCCCP (Coelho)



Alkali sink scrub along Frisk Creek, an intermittent stream

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



**San Joaquin River Parkway (Circle V)
Madera County**



2 Miles



12 WCB 8/30/2016 lo/WLB

#12. San Joaquin River Parkway (Circle V)



The Property has 7± acres of sycamore/valley oak woodland located just below a steep bluff slope that extends onto a floodplain and the San Joaquin River

#12. San Joaquin River Parkway (Circle V)



Evidence of new growth valley oaks emerging on the Property

#12. San Joaquin River Parkway (Circle V)



View of the riparian habitat area leading to the San Joaquin River

#12. San Joaquin River Parkway (Circle V)

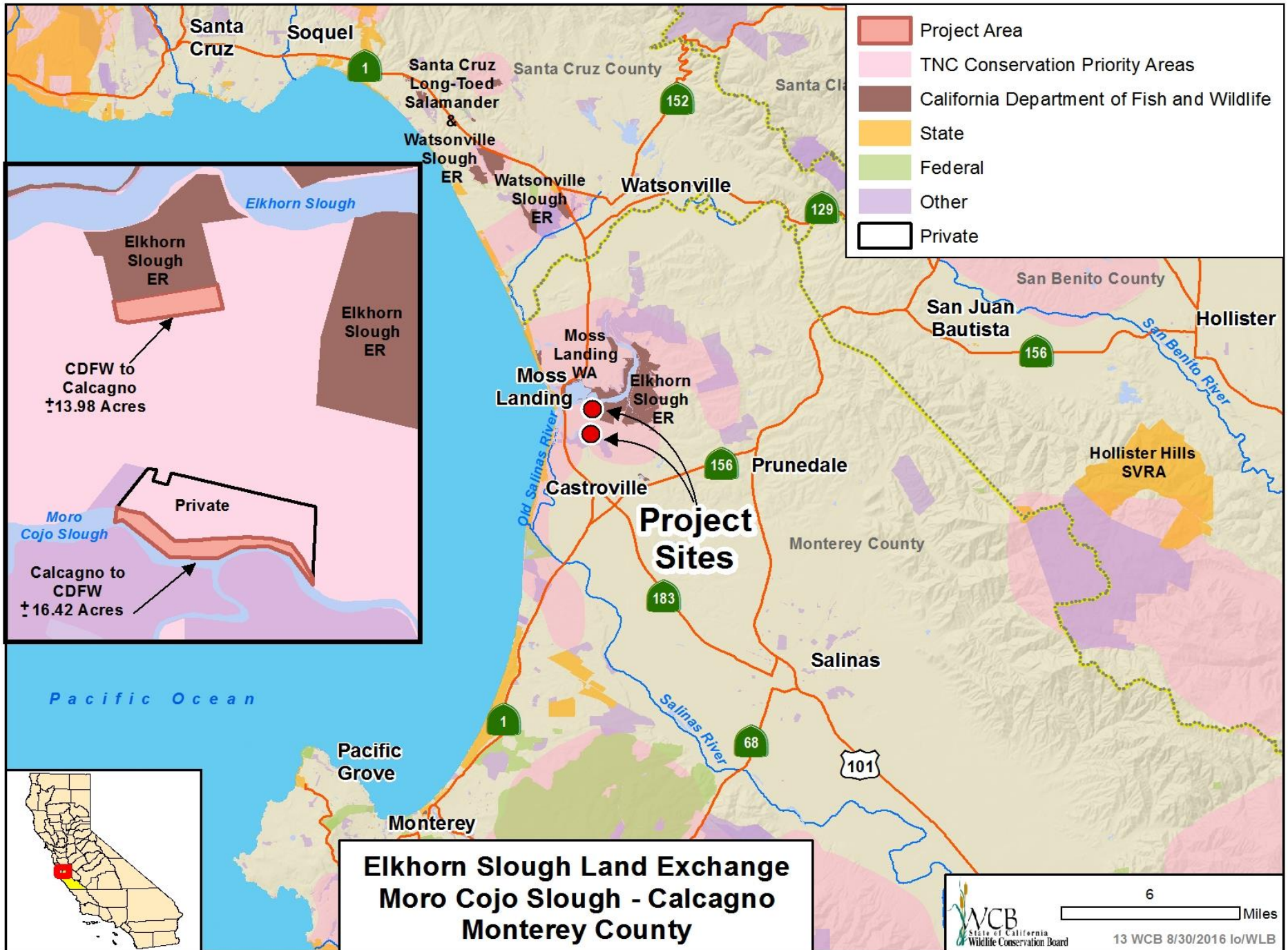


The Property meets the San Joaquin River Conservancy's criteria for high-priority parkway land acquisitions that include: protection of habitat values, connectivity and protection of wildlife movement corridors, and need for conservation in path of development

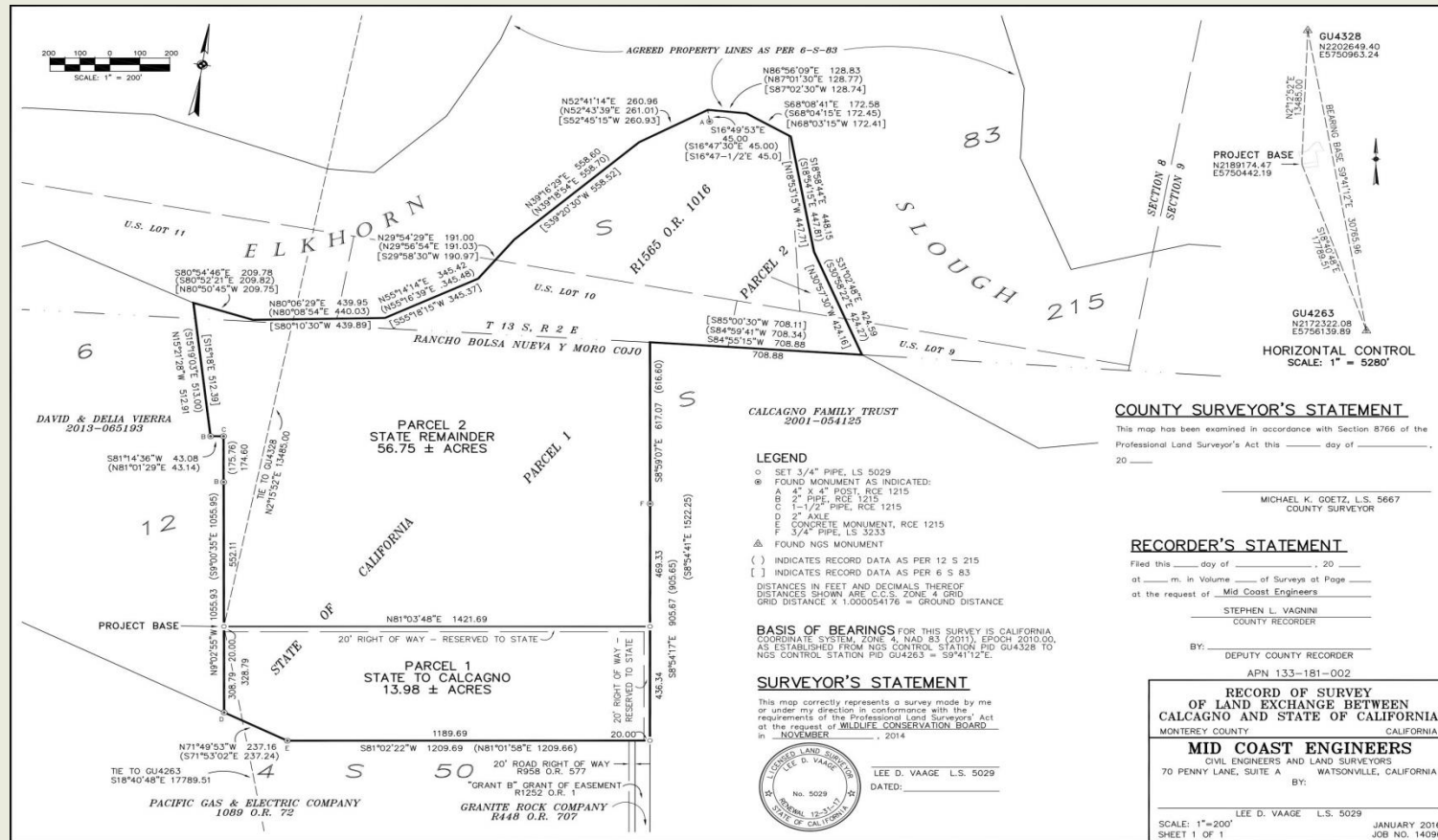
#12. San Joaquin River Parkway (Circle V)



Scenic view of the San Joaquin River from the banks of the Circle V Property



#13. Elkhorn Slough Land Exchange, Moro Cojo Slough - Calcagno



CDFW's exchange Property with reserved access on the north and east sides

#13. Elkhorn Slough Land Exchange, Moro Cojo Slough - Calcagno



Northern portion of CDFW parcel showing reserved access road looking east

#13. Elkhorn Slough Land Exchange, Moro Cojo Slough - Calcagno



Left side of picture, more or less where the corral fence line is located depicts the portion of CDFW parcel to be exchanged with reserved access on the north and east side of the parcel

#13. Elkhorn Slough Land Exchange, Moro Cojo Slough - Calcagno



Northern portion of CDFW parcel showing reserved access road, looking west

#13. Elkhorn Slough Land Exchange, Moro Cojo Slough - Calcagno



Looking southwest on the portion of Calcagno Parcel CDFW will be receiving. CDFW to acquire the fence line to the Slough.

#13. Elkhorn Slough Land Exchange, Moro Cojo Slough - Calcagno

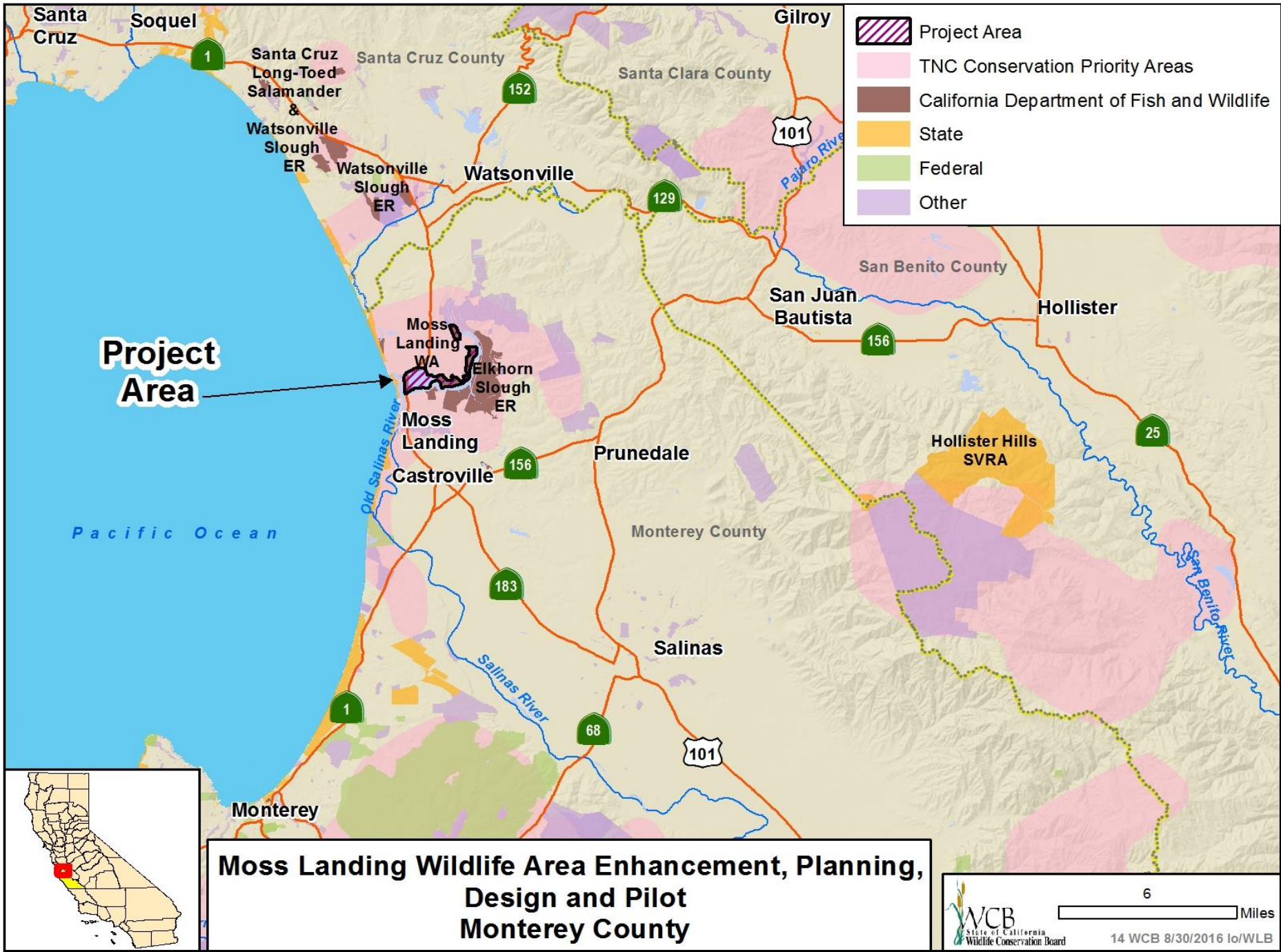


Looking southeast on Cacagno parcel on the southwest corner of the parcel where CDFW also retained access for ingress and egress. CDFW's acquired portion will be on the west side of the fence.

#13. Elkhorn Slough Land Exchange, Moro Cojo Slough - Calcagno



Portion of Calcagno property that abuts to Moro Cojo Slough that CDFW will be acquiring. Showing Canada Geese and black necked Stilts.



Santa Cruz

Soquel

Gilroy

Santa Cruz Long-Toed Salamander & Watsonville Slough ER

Santa Cruz County

Santa Clara County

Watsonville Slough ER

Watsonville

101

Pajaro River

San Benito County

San Juan Bautista

Hollister

156

25

Hollister Hills SVRA

Moss Landing WA

Elkhorn Slough ER

Moss Landing

Prunedale

156

Castroville

Pacific Ocean

Old Salinas River

Monterey County

183

Salinas

Salinas River

68

101

Monterey



Moss Landing Wildlife Area Enhancement, Planning, Design and Pilot Monterey County



6 Miles

14 WCB 8/30/2016 lo/WLB

#14. Moss Landing Wildlife Area Enhancement, Planning, Design and Pilot



Moss landing Wildlife Area Site overview – showing pond layout and area of proposed shoreline stabilization

#14. Moss Landing Wildlife Area Enhancement, Planning, Design and Pilot



Time series photographs showing bank erosion from 2002 to 2012

#14. Moss Landing Wildlife Area Enhancement, Planning, Design and Pilot



May 2015

#14. Moss Landing Wildlife Area Enhancement, Planning, Design and Pilot



Western Observation Platform. Left: May 2012. Right: April 2016. Note the section of bank that appears ready to slough off.

#14. Moss Landing Wildlife Area Enhancement, Planning, Design and Pilot



Western Observation Platform close up showing bank erosion

#14. Moss Landing Wildlife Area Enhancement, Planning, Design and Pilot



Source: CONTECH Engineered Solutions

Articulated Cable Blanket – examples showing articulated cable blanket post construction and following revegetation. ACB is a hybrid stabilization method that offers engineering advantages of rock rip rap, with the ability to plant into the blocks to provide habitat enhancements.

#14. Moss Landing Wildlife Area Enhancement, Planning, Design and Pilot

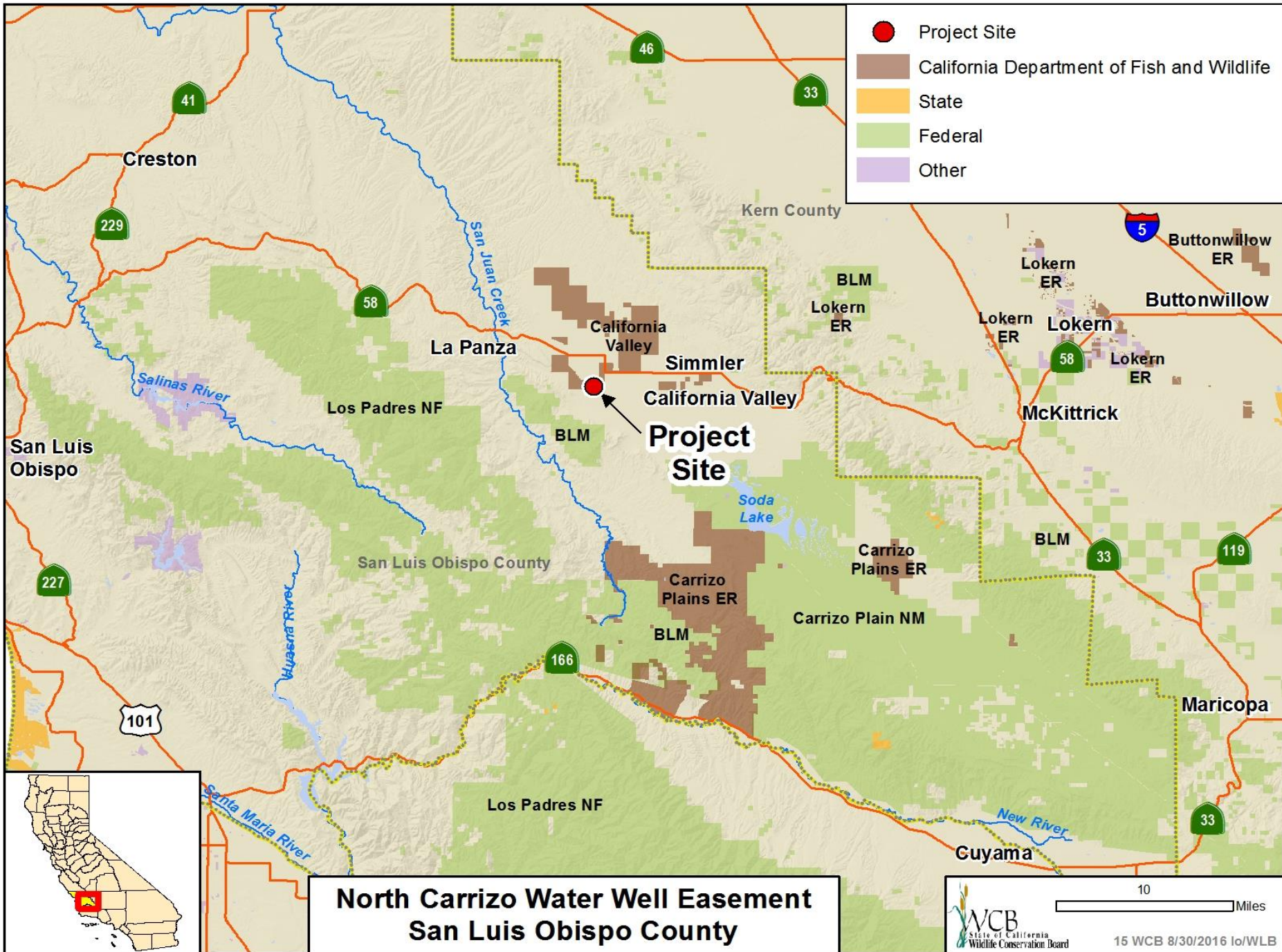


The revegetation and salinity pilot project will take place in the ponds

#14. Moss Landing Wildlife Area Enhancement, Planning, Design and Pilot

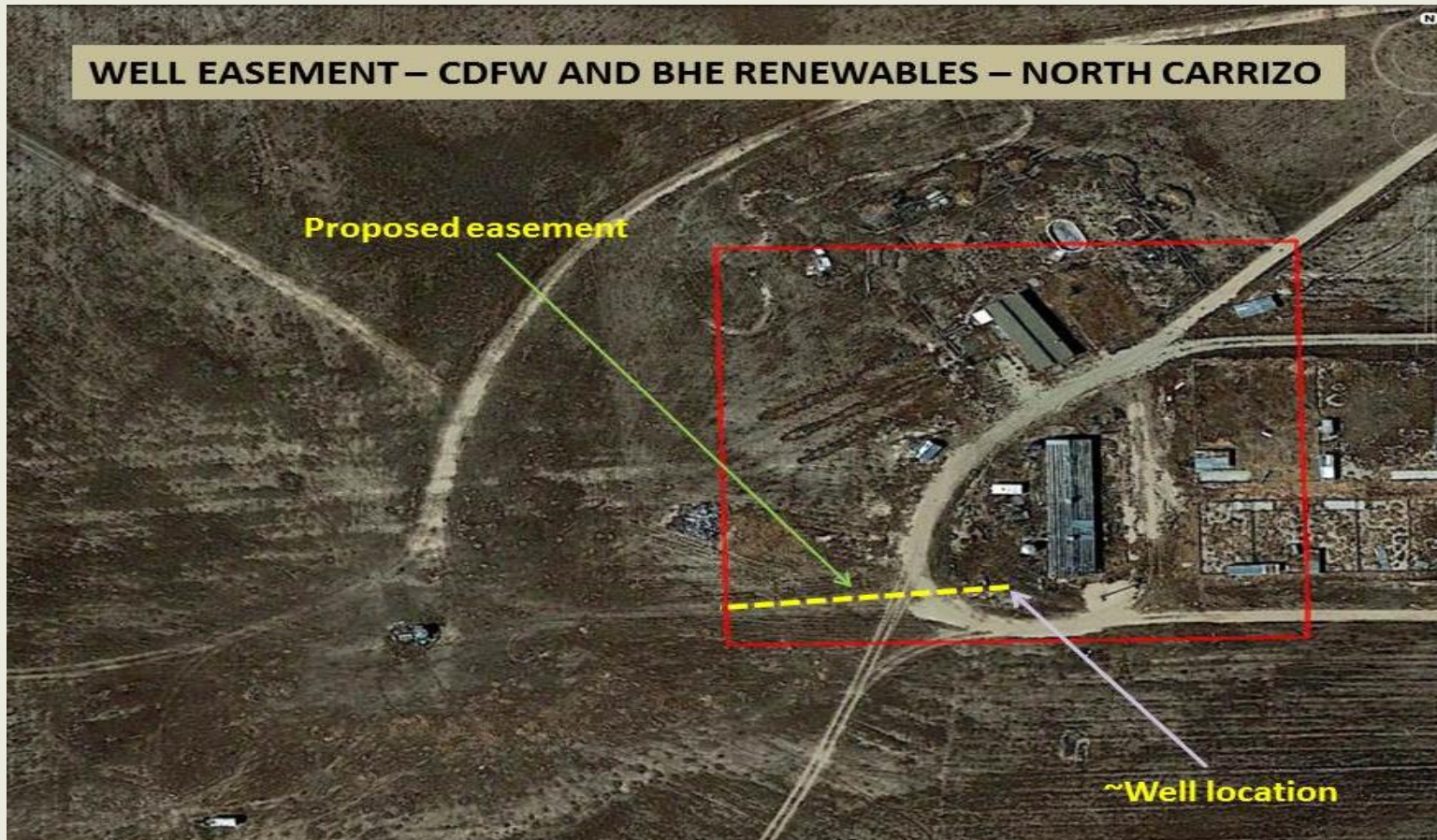


Snowy Plover



**North Carrizo Water Well Easement
San Luis Obispo County**

#15. North Carrizo Water Well Easement



Proposed Easement location

#15. North Carrizo Water Well Easement



Existing well

#15. North Carrizo Water Well Easement



Pronghorn Antelope

#15. North Carrizo Water Well Easement

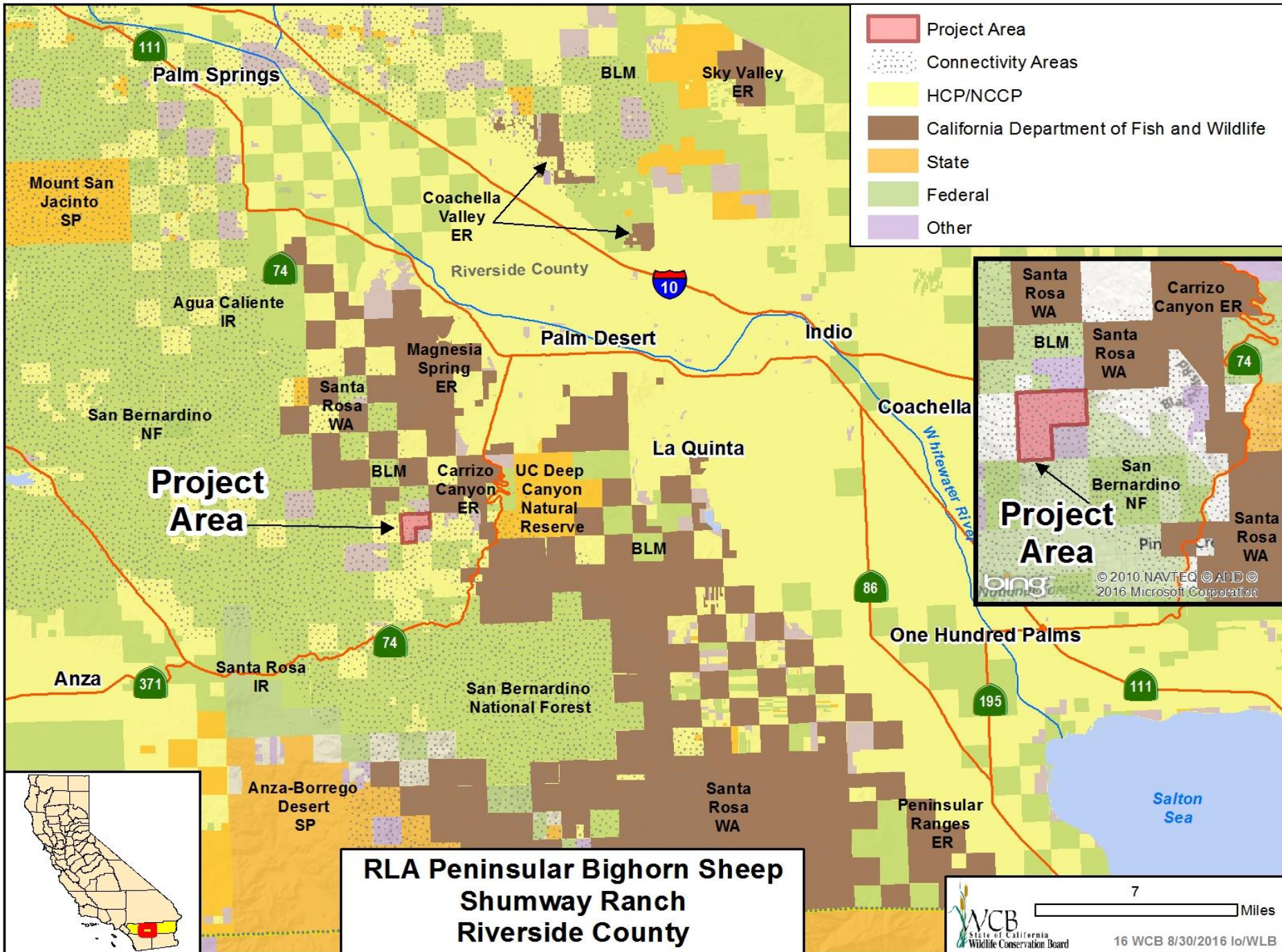


Tank

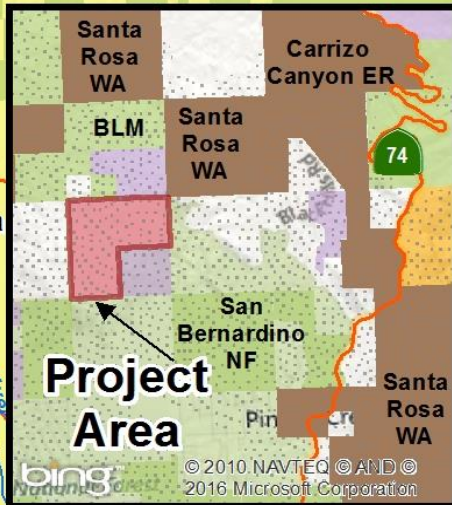
#15. North Carrizo Water Well Easement



Tank and trough



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



**RLA Peninsular Bighorn Sheep
Shumway Ranch
Riverside County**

#16. RLA Peninsular Bighorn Sheep, Shumway Ranch



Northerly view of the property

#16. RLA Peninsular Bighorn Sheep, Shumway Ranch



Easterly view of the property

#16. RLA Peninsular Bighorn Sheep, Shumway Ranch



Northerly view of the property

#16. RLA Peninsular Bighorn Sheep, Shumway Ranch

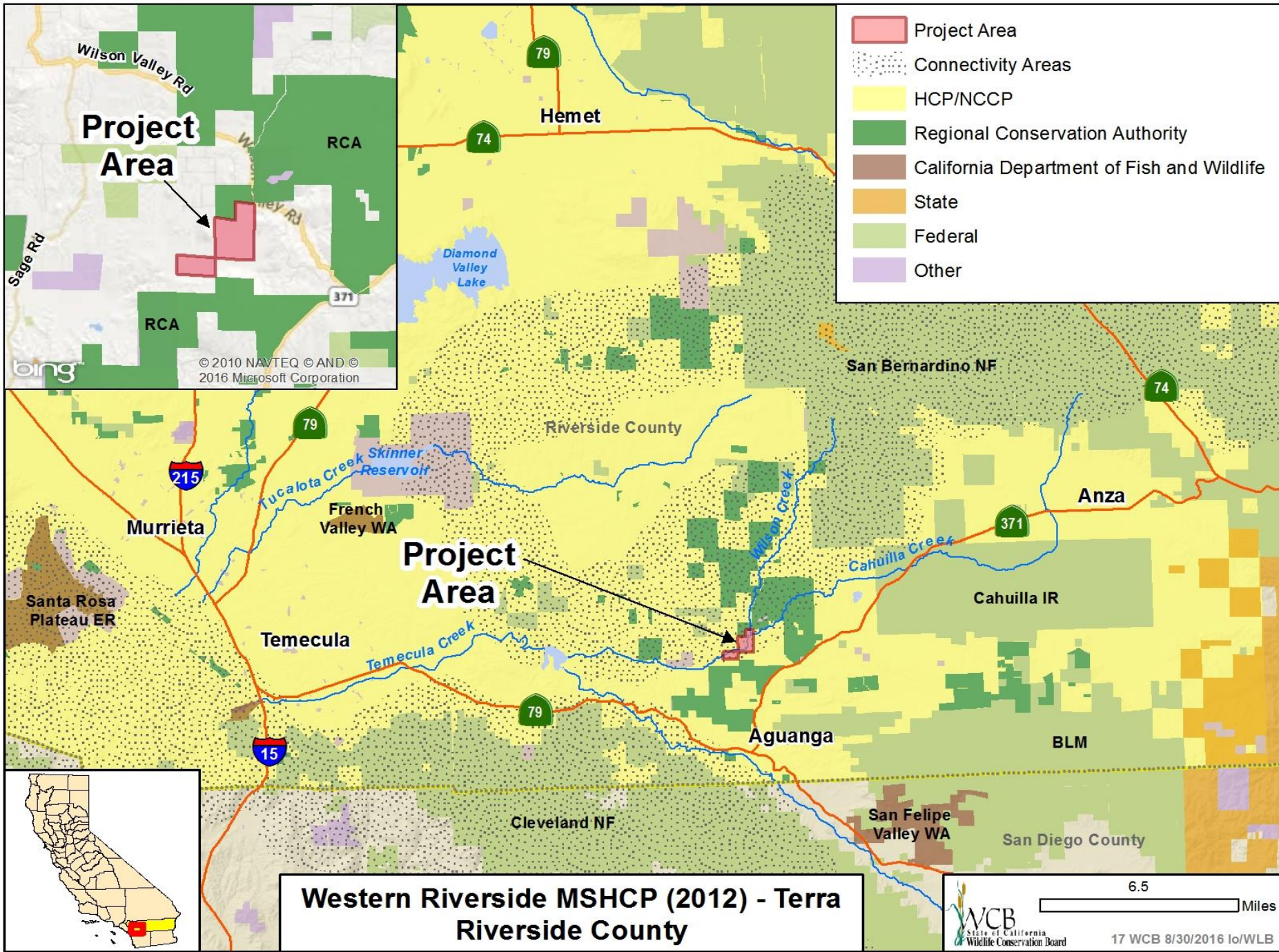


Westerly view of the property

#16. RLA Peninsular Bighorn Sheep, Shumway Ranch



Southerly view of the property



#17. Western Riverside MSHCP (2012) - Terra



The Terra property interspersed with an abundance of plant life. Stands of trees include Eucalyptus and coastal oak woodland can be viewed at the entrance to the property.

#17. Western Riverside MSHCP (2012) - Terra



Dependent upon the availability of water, the plant life present on the site varies from lush areas of vegetation to desert and rocky mountainous terrain devoid of vegetation

#17. Western Riverside MSHCP (2012) - Terra

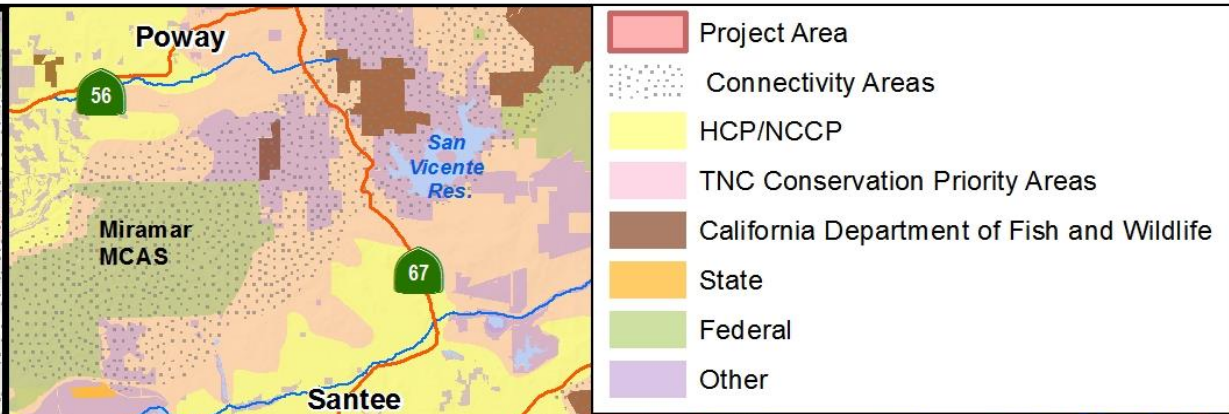
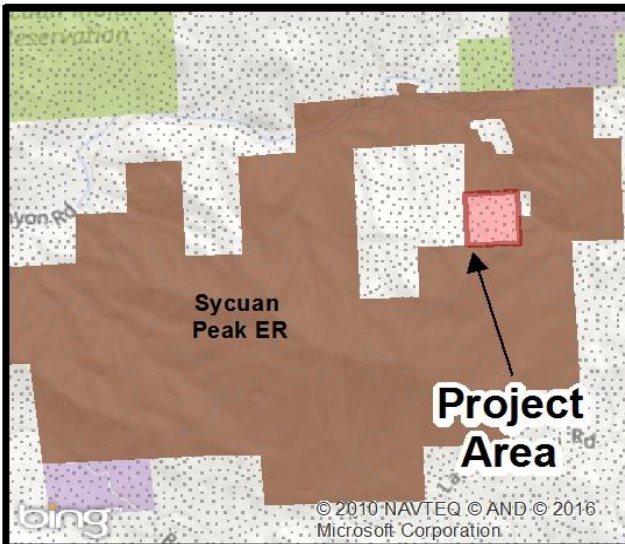


The property is located in the Temecula Creek Watershed habitat area. Within this habitat area, the site is also in an area referred to as Core 7, which supports Riverine and Foothill Riparian habitat

#17. Western Riverside MSHCP (2012) - Terra



Properties like the Terra property are essential to the long term conservation and recovery efforts of the slender-horned spineflower, Stephens' kangaroo rat, coastal California gnatcatcher, and least Bell's vireo



**Sycuan Peak Ecological Reserve, Expansion 8
San Diego County**

WCB
State of California
Wildlife Conservation Board

5 Miles

18 WCB 8/30/2016 lo/WLB

#18. Sycuan Peak Ecological Reserve, Expansion 8



#18. Sycuan Peak Ecological Reserve, Expansion 8



State endangered Dehesa bear grass

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



**Anderson Ranch
Lassen County**



7 Miles

#19. Anderson Ranch



Spring fed high meadow habitat

#19. Anderson Ranch



Red-winged blackbird

#19. Anderson Ranch



Hot spring feeding into Long Valley Creek

#19. Anderson Ranch



Vista area looking south and location of the Wildland designated zone

#19. Anderson Ranch

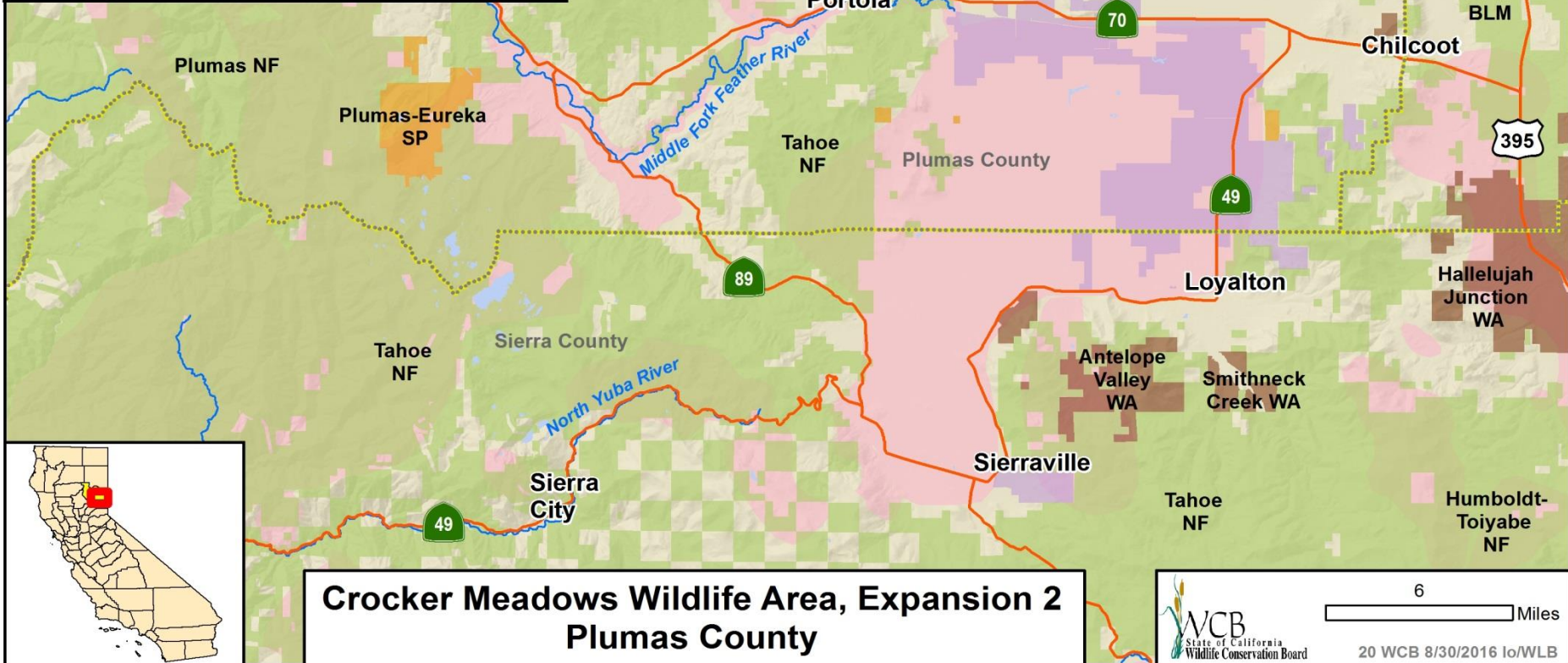
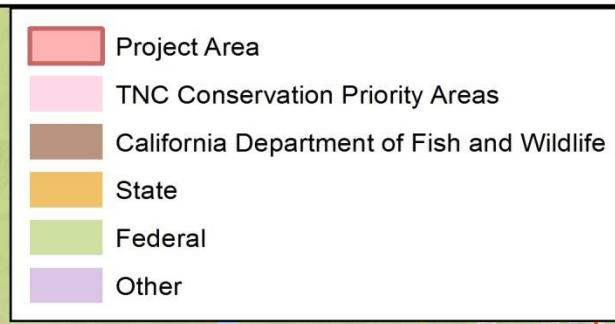
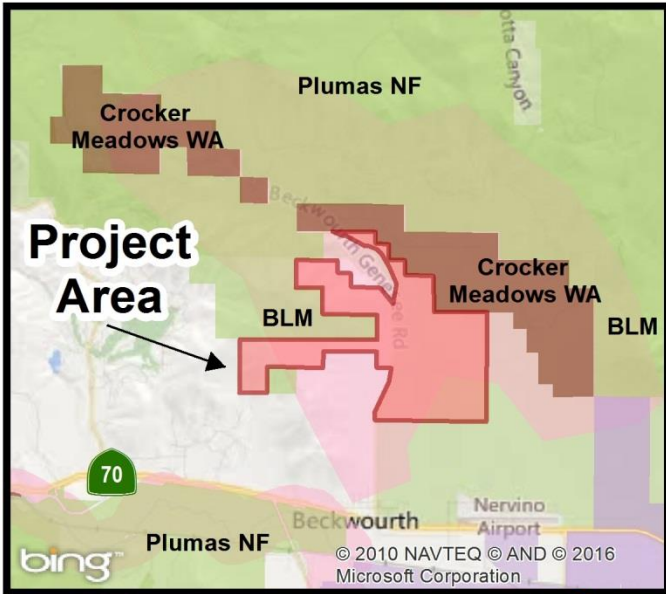


One of many Beaver dams built along Long Valley Creek

#19. Anderson Ranch



Pronghorn Antelope on the southern end of the property



**Crocker Meadows Wildlife Area, Expansion 2
Plumas County**

#20. Crocker Meadows Wildlife Area, Expansion 2



Easterly view from north central portion of open range

#20. Crocker Meadows Wildlife Area, Expansion 2



Westerly view of treed ridge canyon on north west side of property

#20. Crocker Meadows Wildlife Area, Expansion 2

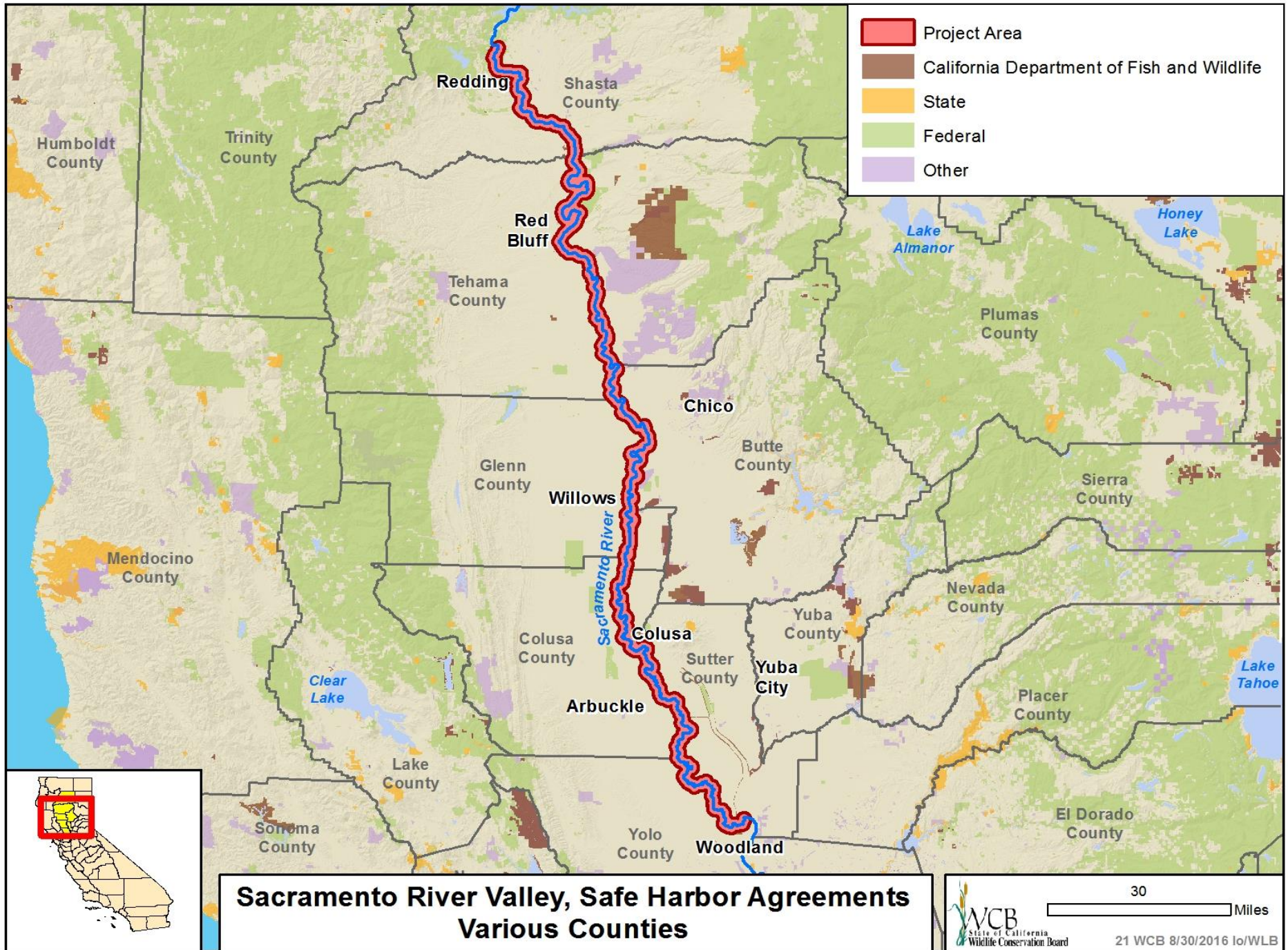


View from property ridge

#20. Crocker Meadows Wildlife Area, Expansion 2



The Doyle deer herd



**Sacramento River Valley, Safe Harbor Agreements
Various Counties**

#21. Sacramento River Valley, Safe Harbor Agreements



Hedgerow plantings

#21. Sacramento River Valley, Safe Harbor Agreements



Riparian establishment

#21. Sacramento River Valley, Safe Harbor Agreements



Sacramento River corridor

#21. Sacramento River Valley, Safe Harbor Agreements



Valley Elderberry Longhorn Beetle habitat

#22. Yolo County HCP/NCCP Development, Phase III Augmentation



Vernal Pool

#22. Yolo County HCP/NCCP Development, Phase III Augmentation



Native Grasslands at Conway Ranch

#22. Yolo County HCP/NCCP Development, Phase III Augmentation



Burrowing Owl burrows in grasslands

#22. Yolo County HCP/NCCP Development, Phase III Augmentation



Burrowing Owl

#22. Yolo County HCP/NCCP Development, Phase III Augmentation



Irrigated pasture

#22. Yolo County HCP/NCCP Development, Phase III Augmentation



Alfalfa field

#22. Yolo County HCP/NCCCP Development, Phase III Augmentation

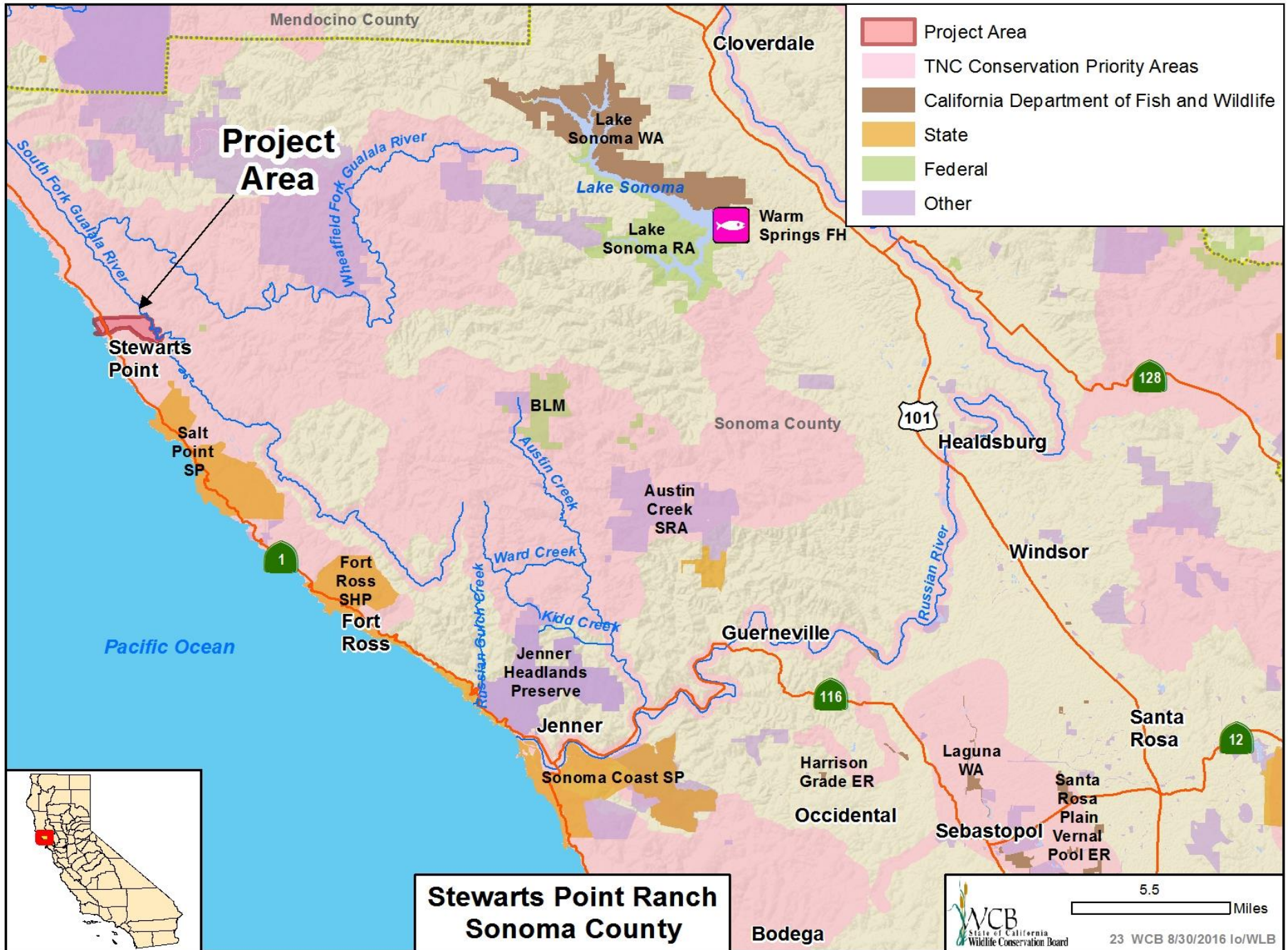


Tri-colored blackbird

#22. Yolo County HCP/NCCP Development, Phase III Augmentation



Vernal pool and grassland habitats



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

Project Area

**Stewarts Point Ranch
Sonoma County**

5.5 Miles

23 WCB 8/30/2016 Io/WLB




#23. Stewarts Point Ranch



Coastal area at Stewarts Point

#23. Stewarts Point Ranch



View from property overlooking coastal bluffs

#23. Stewarts Point Ranch



Old growth redwood reserve

#23. Stewarts Point Ranch



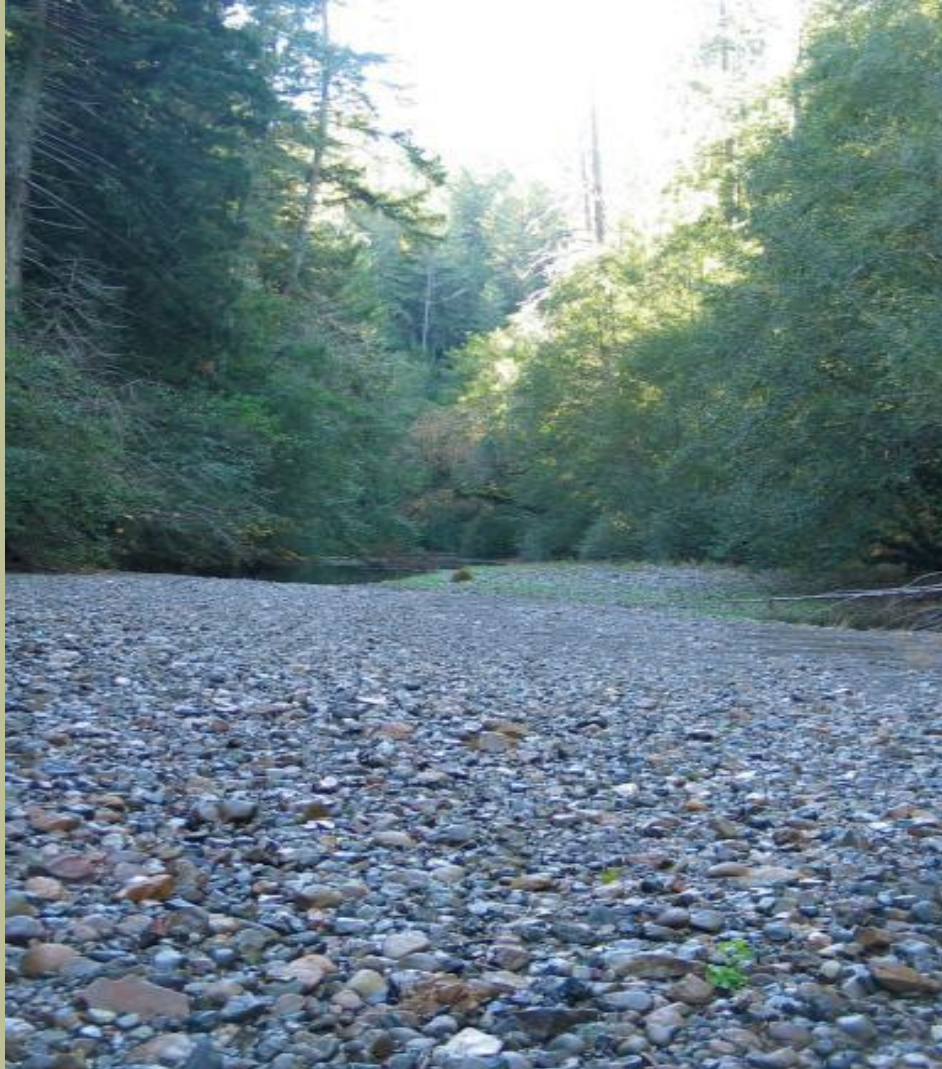
South fork Gualala River

#23. Stewarts Point Ranch



Timber on property






#23. Stewarts Point Ranch

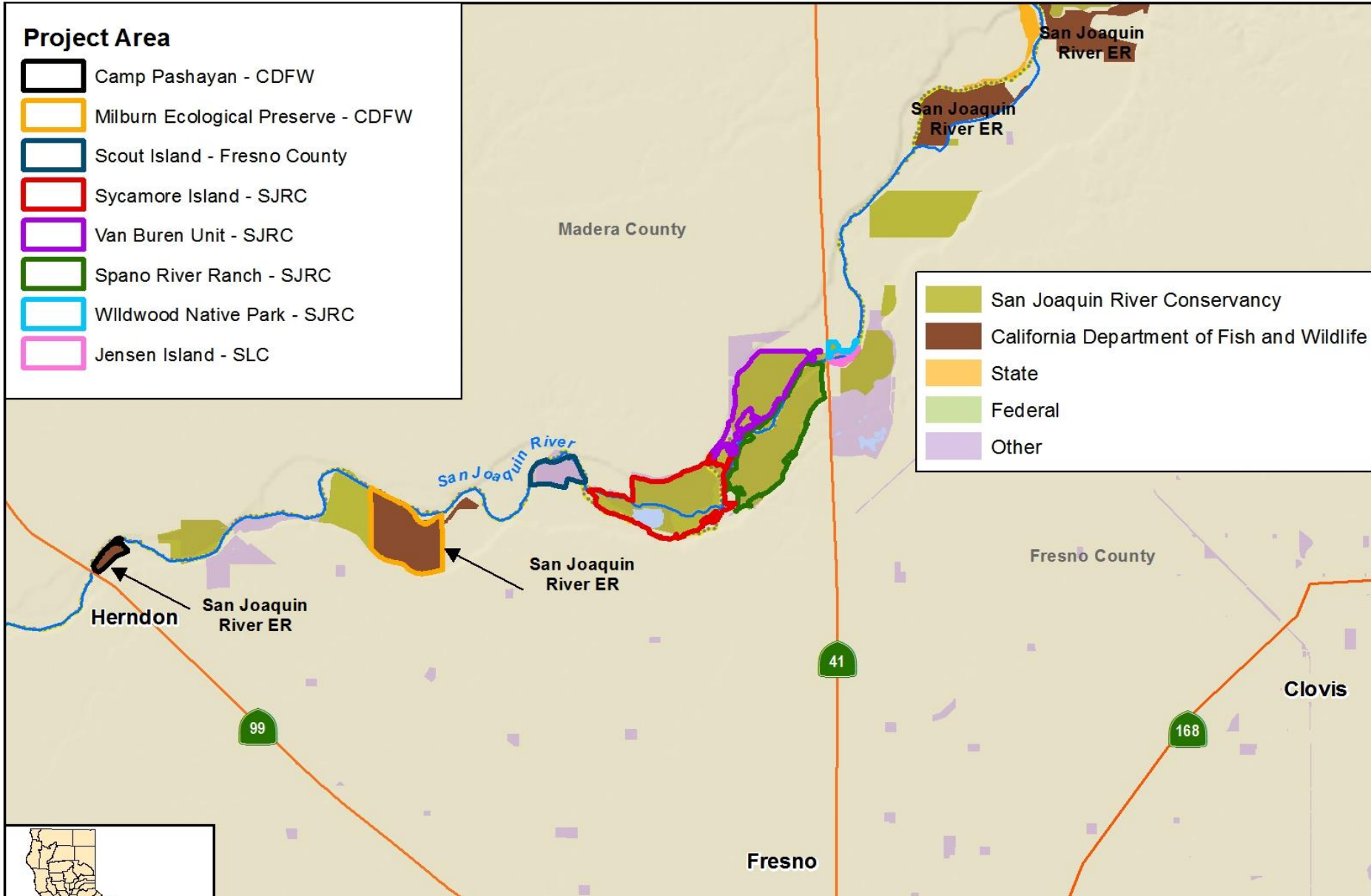


Riparian corridor on
Gualala River

Project Area

-  Camp Pashayan - CDFW
-  Milburn Ecological Preserve - CDFW
-  Scout Island - Fresno County
-  Sycamore Island - SJRC
-  Van Buren Unit - SJRC
-  Spano River Ranch - SJRC
-  Wildwood Native Park - SJRC
-  Jensen Island - SLC

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



San Joaquin River Parkway Weed Management and Job Creation Project Fresno and Madera Counties

1.5
Miles

24 WCB 8/30/2016 lo/WLB

#24. San Joaquin River Parkway, Weed Management and Job Creation Project



Giant reed and red sesbania around the water margin at Sycamore Island.

#24. San Joaquin River Parkway, Weed Management and Job Creation Project



Giant reed spreading throughout a riparian area.

#24. San Joaquin River Parkway, Weed Management and Job Creation Project



A dense patch of red sesbania and many seeds disbursed from seed pods and littering the ground after water has receded along the San Joaquin River.

#24. San Joaquin River Parkway, Weed Management and Job Creation Project



Before and after photographs exemplifying giant reed removal within the San Joaquin River Parkway.

#24. San Joaquin River Parkway, Weed Management and Job Creation Project

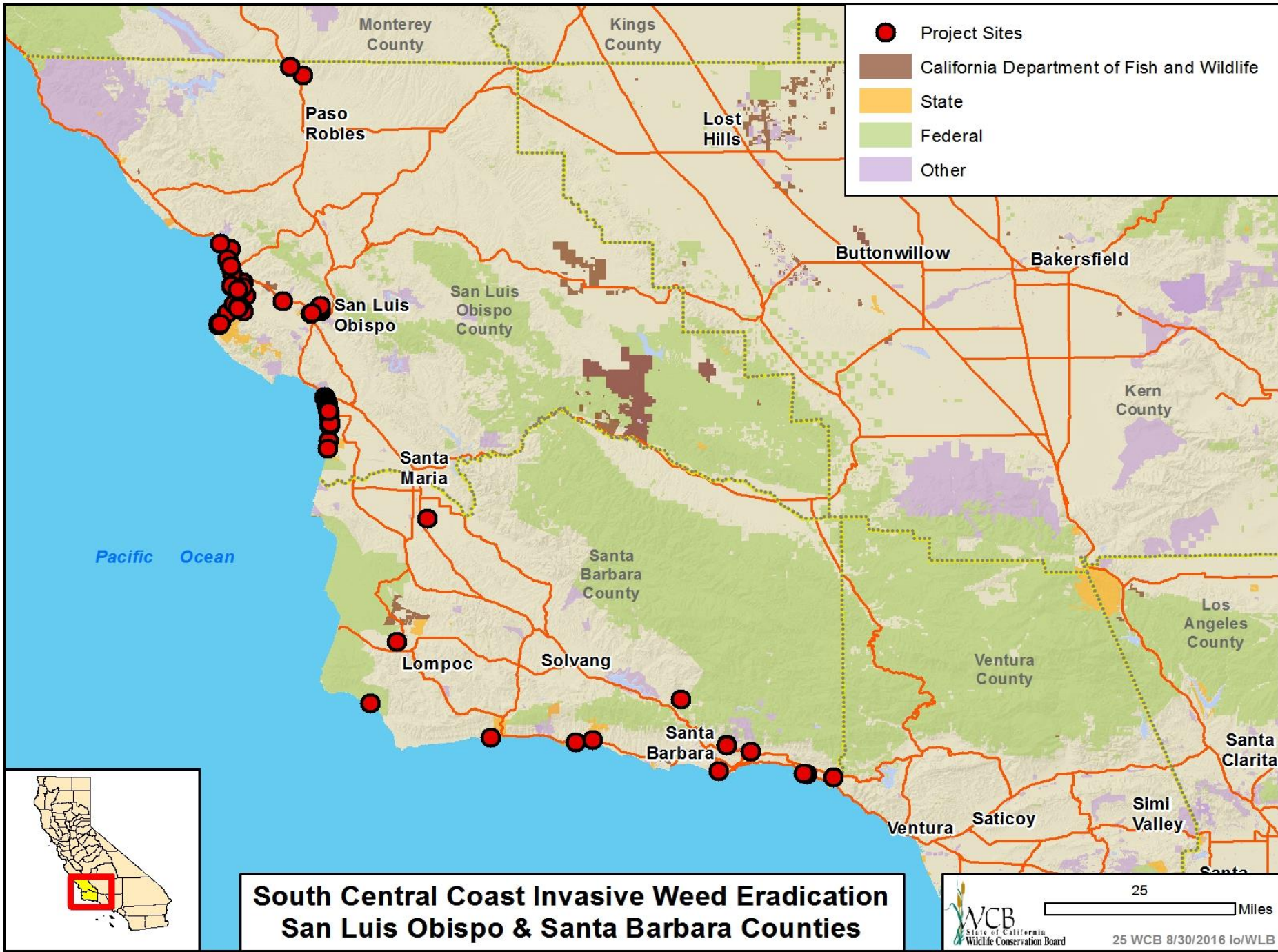


Before and after photographs exemplifying red sesbania removal with the San Joaquin River Parkway.

#24. San Joaquin River Parkway, Weed Management and Job Creation Project



The FEOC Local Conservation Corps youth conducting weed management activities within the San Joaquin River Parkway



**South Central Coast Invasive Weed Eradication
San Luis Obispo & Santa Barbara Counties**

#25. South Central Coast Invasive Weed Eradication



Strategic Planning Status categories: “Expressed interest” means Cal-IPC has made a presentation to the region’s WMAs and they would like to engage in a regional strategy-setting process; “Planning begun” means the region’s WMAs have undertaken the first step, a strategic plan that identifies their target species for regional eradication; “Planning completed” means they have also undertaken an implementation plan with budget and “Implementing” means that the region has secured at least partial funding to begin work toward their eradication goals.

#25. South Central Coast Invasive Weed Eradication



Region	Counties	Target Plant Species	Status of regional eradication funding
Northwest	2	6	Implementation begun: 5-year effort funded by WCB at \$450K w/\$197 match (May 2015)
North Sierra	6	16	Implementation begun: 2-year effort funded by USFS at \$295K
Central Sierra	5	16	Implementation begun: 2-year partial effort funded by NFWF at \$74K w/ \$263K match
S. Central Coast	2	5	Planning complete: 5-year proposal submitted to WCB at \$405 w/ \$242K match
North Central Coast	3	11	Planning complete: 5-year proposal submitted to WCB at \$565K w/\$242K match
Bay Area/HYCA	1	1	Planning complete: 5-year proposal submitted to WCB at \$169K w/\$45K match

The table above summarizes the six major projects planned through the former planning grant, ordered by the projected sequence of implementation. Additional planning has happened in other regions, but has not yet resulted in a full project design.

#25. South Central Coast Invasive Weed Eradication



Sea Lavender at Carpinteria Salt Marsh

#25. South Central Coast Invasive Weed Eradication



Japanese dodder in Santa Barbara County

#25. South Central Coast Invasive Weed Eradication



Russian Wheatgrass, Pismo Beach

#25. South Central Coast Invasive Weed Eradication

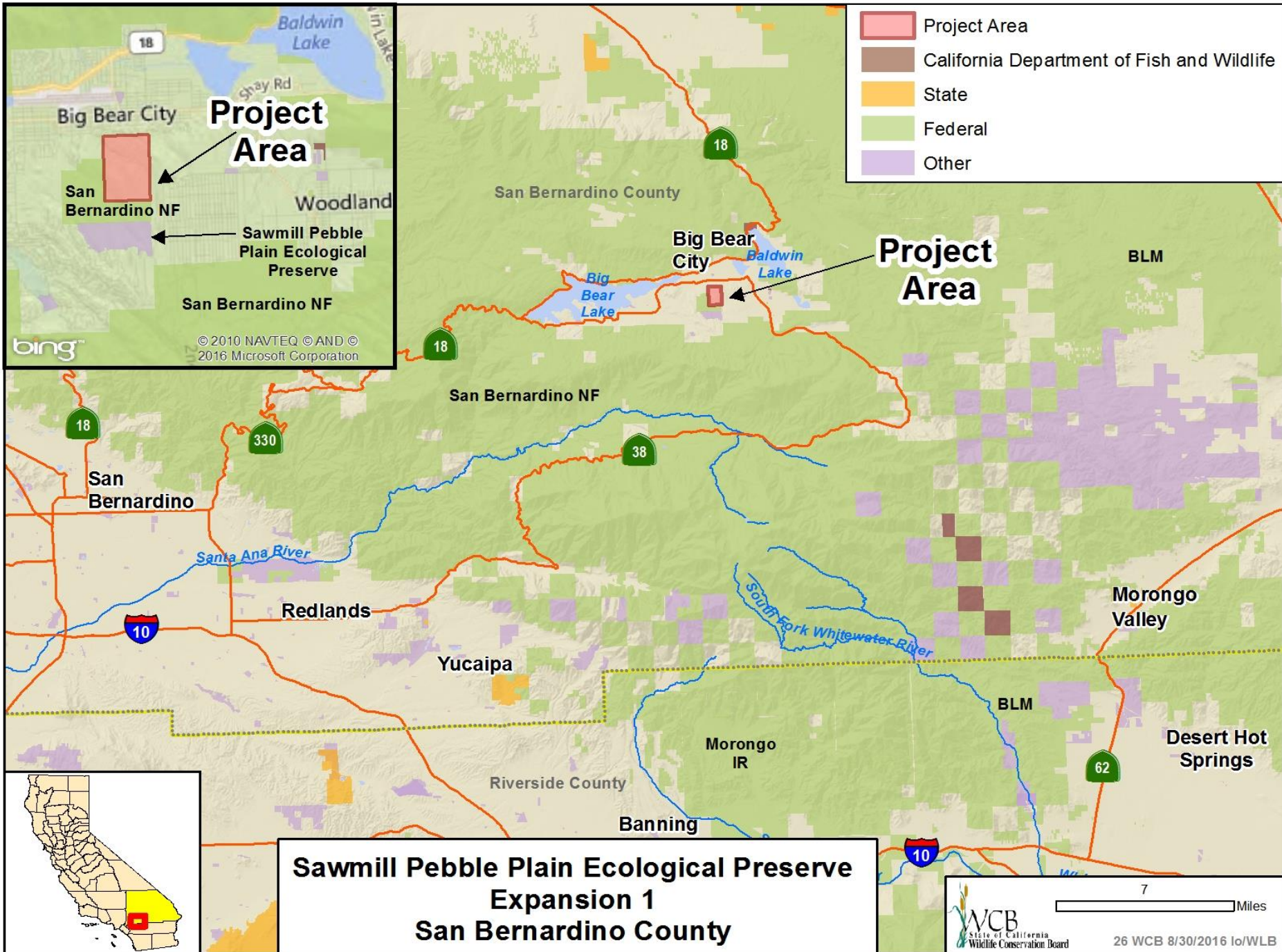


Canada thistle, San Luis Obispo

#25. South Central Coast Invasive Weed Eradication



Dalmatian toadflax



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

**Sawmill Pebble Plain Ecological Preserve
Expansion 1
San Bernardino County**

bing™
© 2010 NAVTEQ © AND ©
2016 Microsoft Corporation

#26. Sawmill Pebble Plain Ecological Preserve, Expansion 1



Undisturbed area of Pebble Plain habitat

#26. Sawmill Pebble Plain Ecological Preserve, Expansion 1



Uncontrolled area of destroyed Pebble Plain habitat

#26. Sawmill Pebble Plain Ecological Preserve, Expansion 1



Existing trail through native Pebble Plain habitat

#26. Sawmill Pebble Plain Ecological Preserve, Expansion 1



Small pebble plants – the kennedy buckwheat, southern mountain buckwheat. The smaller plant to the right is the silver-haired ivesia, rat tails

#26. Sawmill Pebble Plain Ecological Preserve, Expansion 1



The trees surrounding the western juniper are single-leaf pinyon pines. The plants/shrubs in the foreground are manzanitas.

#26. Sawmill Pebble Plain Ecological Preserve, Expansion 1



PROJECT FUNDING - CALRIFICATION

The proposed funding breakdown for the project is as follows:

Scenario 1

Wildlife Conservation Board	\$2,500,000.00
Inland Empire Resource Conservation District	\$ 260,000.00
TOTAL	\$2,760,000.00
Other Project-related Costs	<u>\$ 15,000.00</u>
Total WCB Allocation	\$2,515,000.00

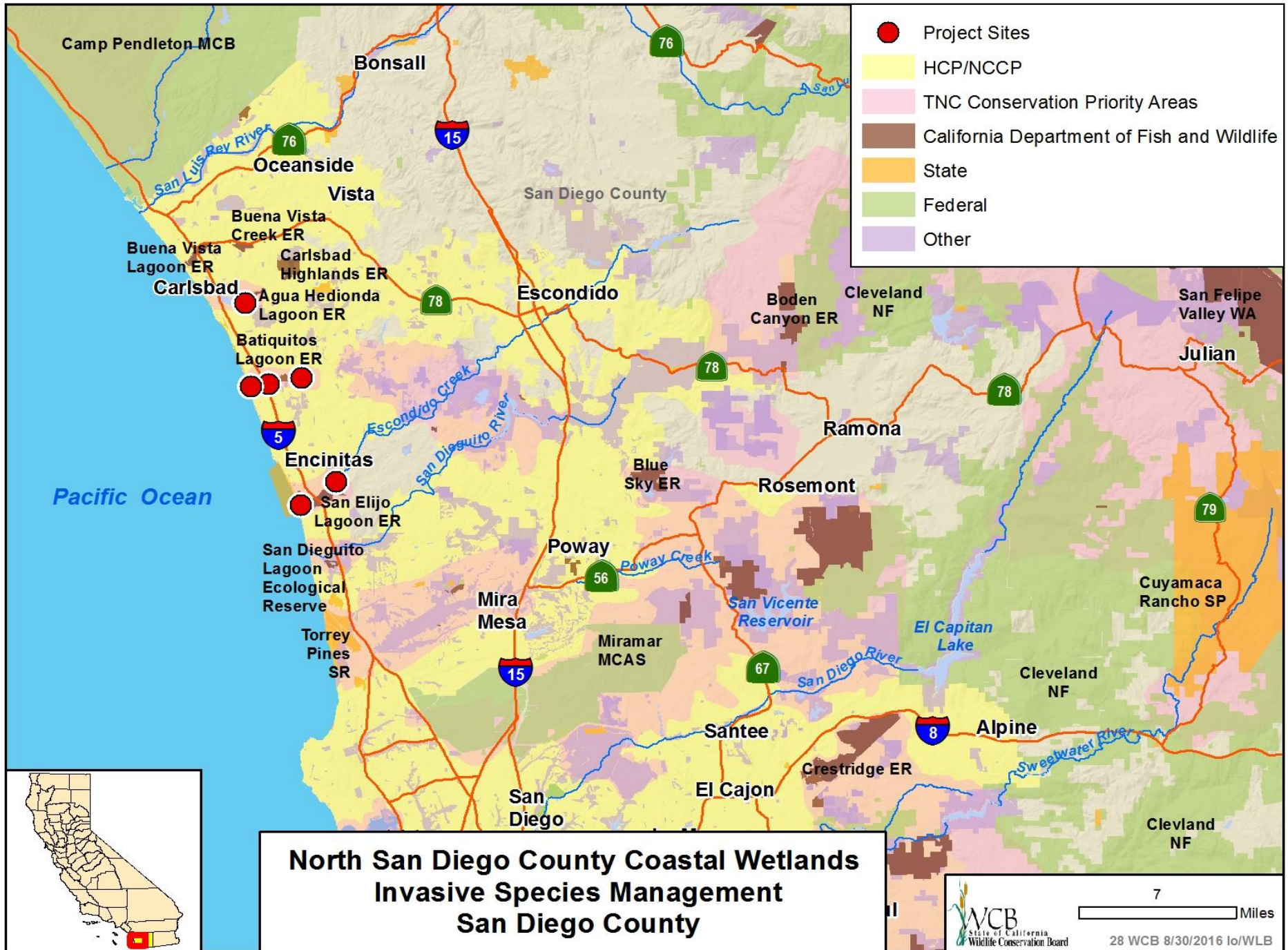
Scenario 2

Wildlife Conservation Board	\$1,859,600.00
USFWS Subgrant Funds	\$ 800,400.00
Inland Empire Resource Conservation District	\$ 100,000.00
TOTAL	\$2,760,000.00
Other Project-related Costs	<u>\$ 15,000.00</u>
Total WCB Allocation	\$1,874,600.00

#27. DFG Land Management Plans, Inland Deserts Region, Phase II, Augmentation II



Project has been withdrawn

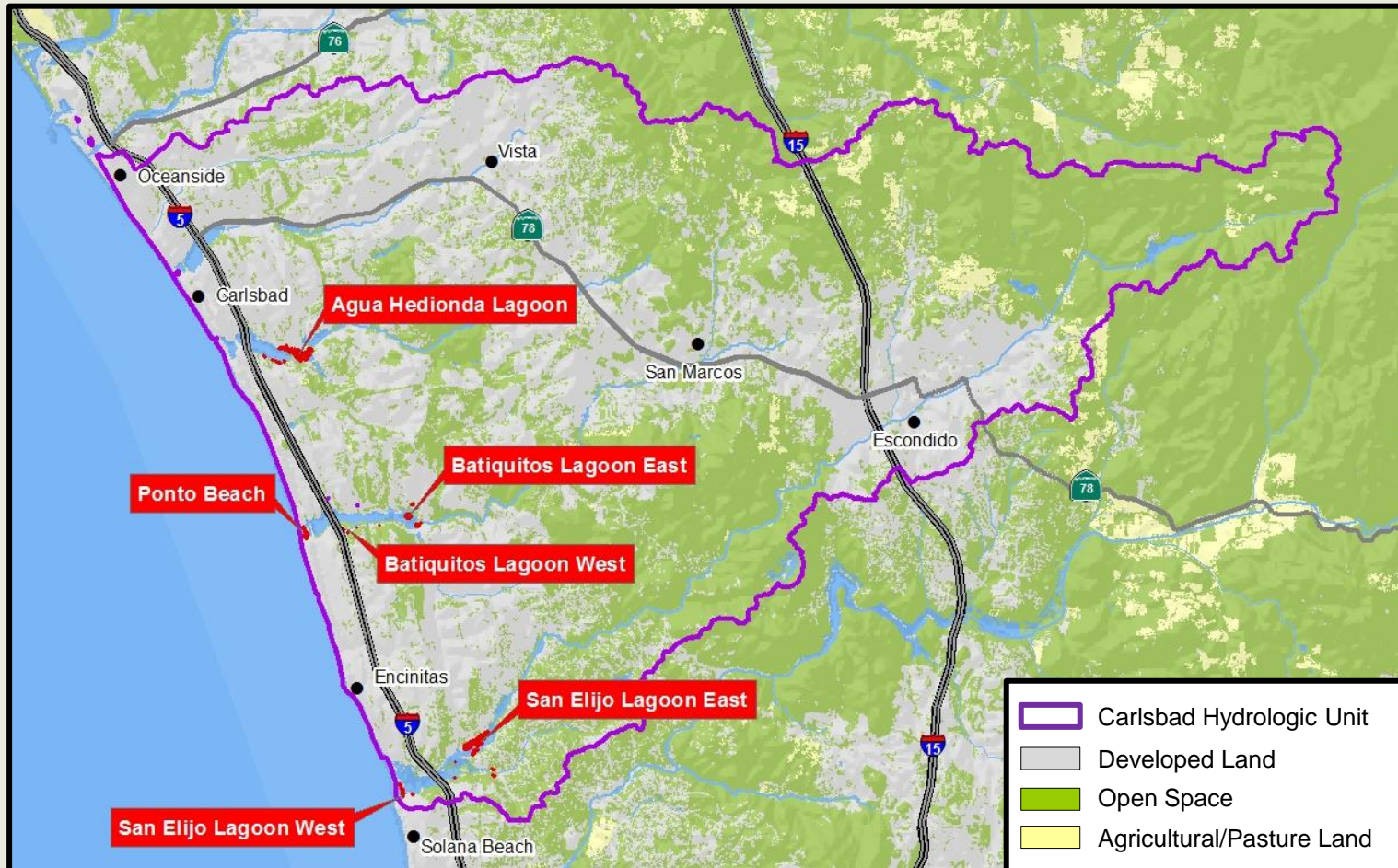


- Project Sites
- HCP/NCCP
- TNC Conservation Priority Areas
- California Department of Fish and Wildlife
- State
- Federal
- Other



**North San Diego County Coastal Wetlands
Invasive Species Management
San Diego County**

#28. North San Diego County Coastal Wetlands Invasive Species Management



Project site locations within the Carlsbad Hydrologic Unit

#28. North San Diego County Coastal Wetlands Invasive Species Management



Target Species

Scientific Name	Common Name	San Diego County Regional Priority	Cal-IPC Rating
Acacia spp.	wattle	N.A.	Limited to Moderate
Arundo donax	giant reed	Very High	High
Carpobrotus spp.	sea fig, iceplant	N.A.	Moderate to High
Cortaderia spp.	pampas grass	Very High	High
Eucalyptus spp.	eucalyptus, gum	N.A.	Limited to Moderate
Glebionis coronaria	garland daisy, crown daisy	Medium	Moderate
Lepidium latifolium	perennial pepperweed	High	High
Limonium ramosissimum	Algerian sea lavender	N.A.	Limited
Limonium spp.	sea lavender, marsh-rosemary	N.A.	Limited to High
Mesembryanthemum spp.	iceplant	N.A.	Moderate
Myoporum laetum	myoporum, ngaio tree	N.A.	Moderate
Phoenix canariensis	Canary Island palm	N.A.	Limited
Raphanus sativus	radish	N.A.	Limited
Tamarix spp.	tamarisk	N.A.	Limited to High
Washingtonia robusta	Mexican fan palm	N.A.	Moderate

#28. North San Diego County Coastal Wetlands Invasive Species Management



Agua Hedionda Lagoon East



Algerian Sea Lavender



Targeted Species

Algerian Sea Lavender

Limonium ramosissimum

#28. North San Diego County Coastal Wetlands Invasive Species Management



Batiquitos Lagoon East



Invasive Palm Tree



Targeted Species

Algerian sea lavender	<i>Limonium ramosissimum</i>
Canary Island palm	<i>Pheonix canariensis</i>
Mexican fan palm	<i>Washingtonia robusta</i>
Perennial pepperweed	<i>Lepidium latifolium</i>
Tamarisk	<i>Tamarix</i> spp.

#28. North San Diego County Coastal Wetlands Invasive Species Management



Batiquitos Lagoon West



Iceplant



Targeted Species

Iceplant

Carpobrotus spp.

Giant reed

Arundo donax

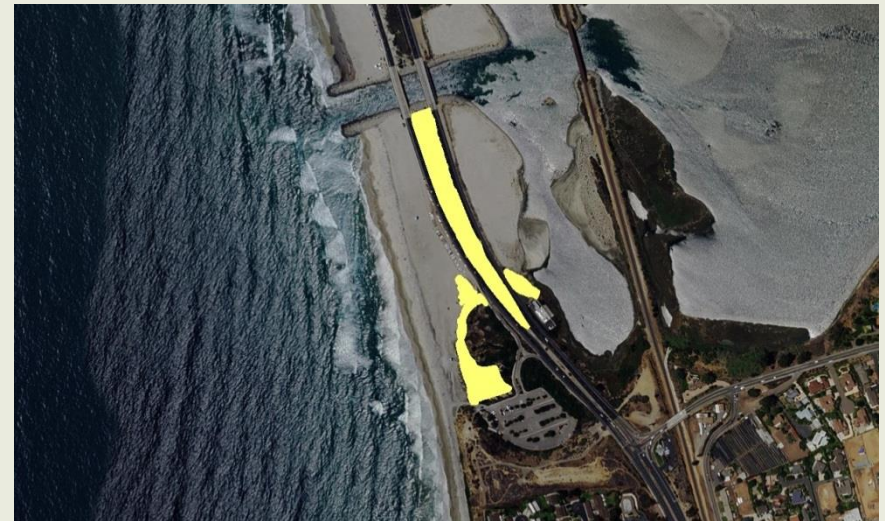
#28. North San Diego County Coastal Wetlands Invasive Species Management



Ponto Beach



Pampas grass and iceplant



Targeted Species

Iceplant	<i>Carpobrotus</i> spp.
Eucalyptus tree	<i>Eucalyptus</i> spp.
Pampas grass	<i>Cortaderia</i> spp.

#28. North San Diego County Coastal Wetlands Invasive Species Management



San Elijo Lagoon East



Targeted Species

Canary Island palm	<i>Phoenix canariensis</i>
Eucalyptus tree	<i>Eucalyptus</i> spp.
Mexican fan palm	<i>Washingtonia robusta</i>
Perennial pepperweed	<i>Lepidium latifolium</i>

Eucalyptus trees encroaching on marsh

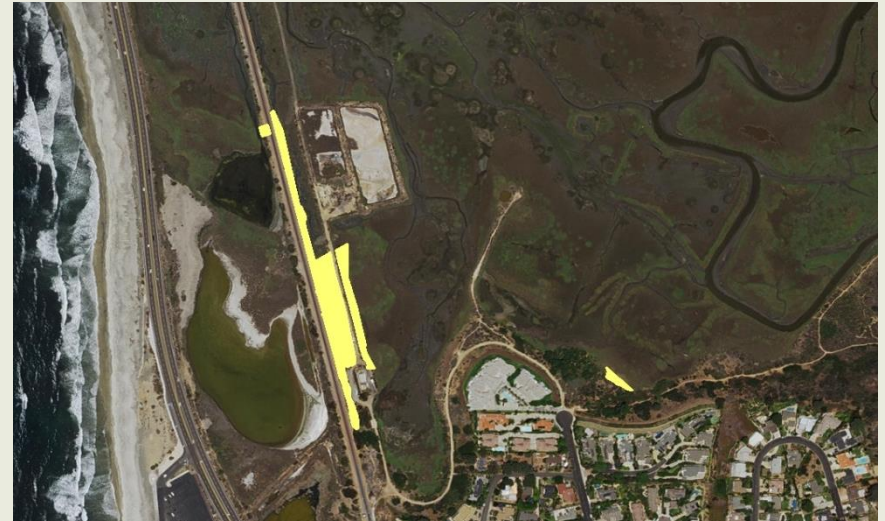
#28. North San Diego County Coastal Wetlands Invasive Species Management



San Elijo Lagoon West



Perennial pepperweed



Targeted Species

Canary Island palm	<i>Phoenix canariensis</i>
Garland daisy, crown daisy	<i>Glebionis coronaria</i>
Myoporum, ngaio tree	<i>Myoporum laetum</i>
Perennial pepperweed	<i>Lepidium latifolium</i>
Wattle	<i>Acacia spp.</i>

August 30, 2016, 10:00am

Wildlife Conservation Board Meeting

Natural Resources Building, First Floor Auditorium

Sacramento, California 95814

