

Wildlife Conservation Board Meeting

May 25, 2017, 10:00am

State Capitol, Room 112

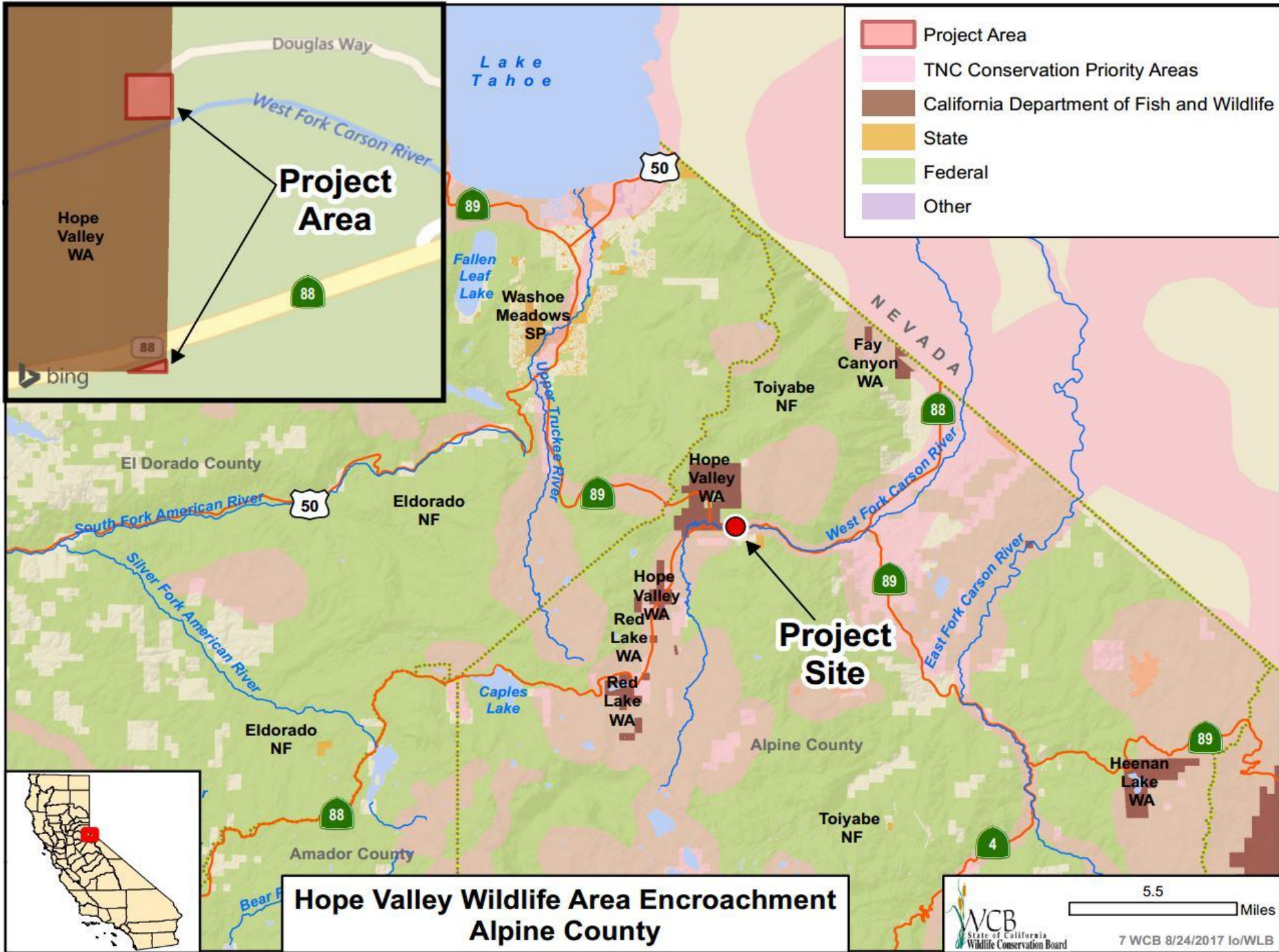
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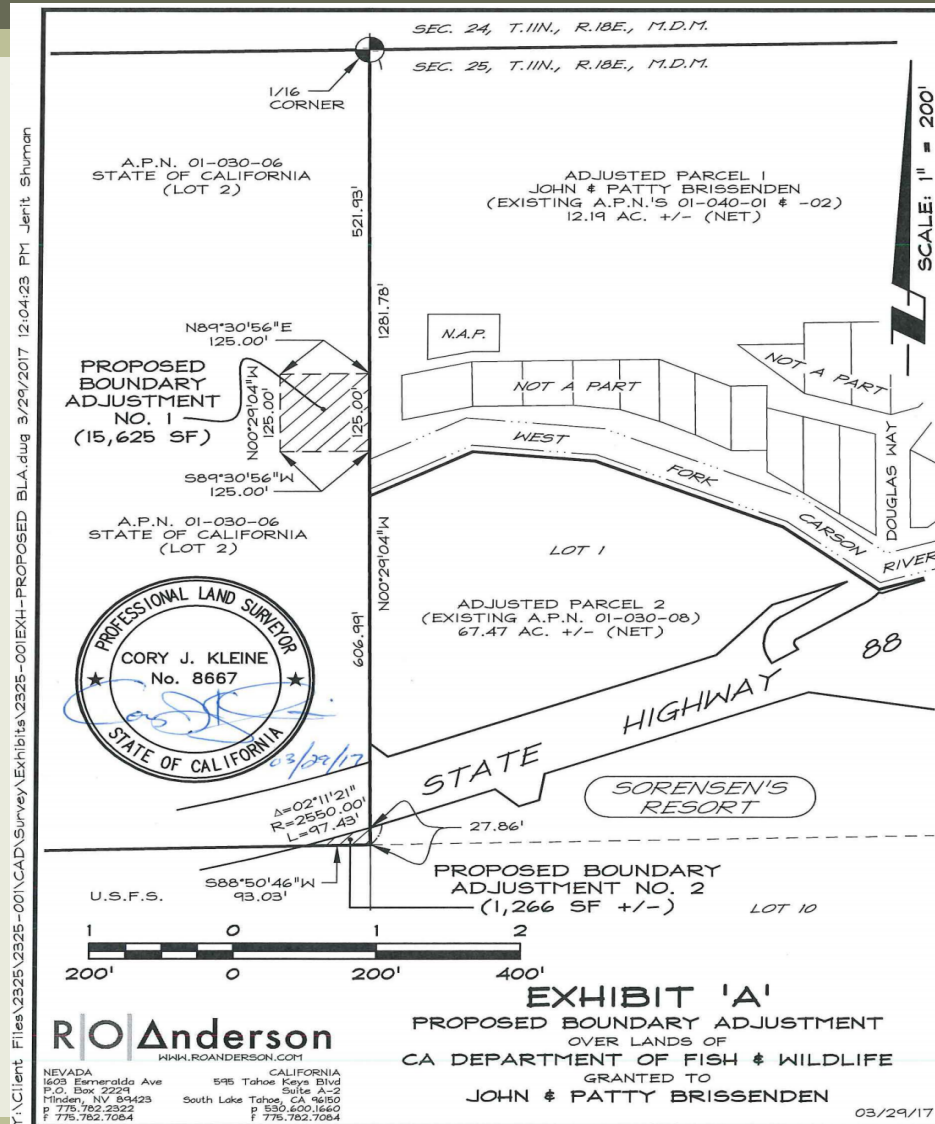
State Capitol, Room 112

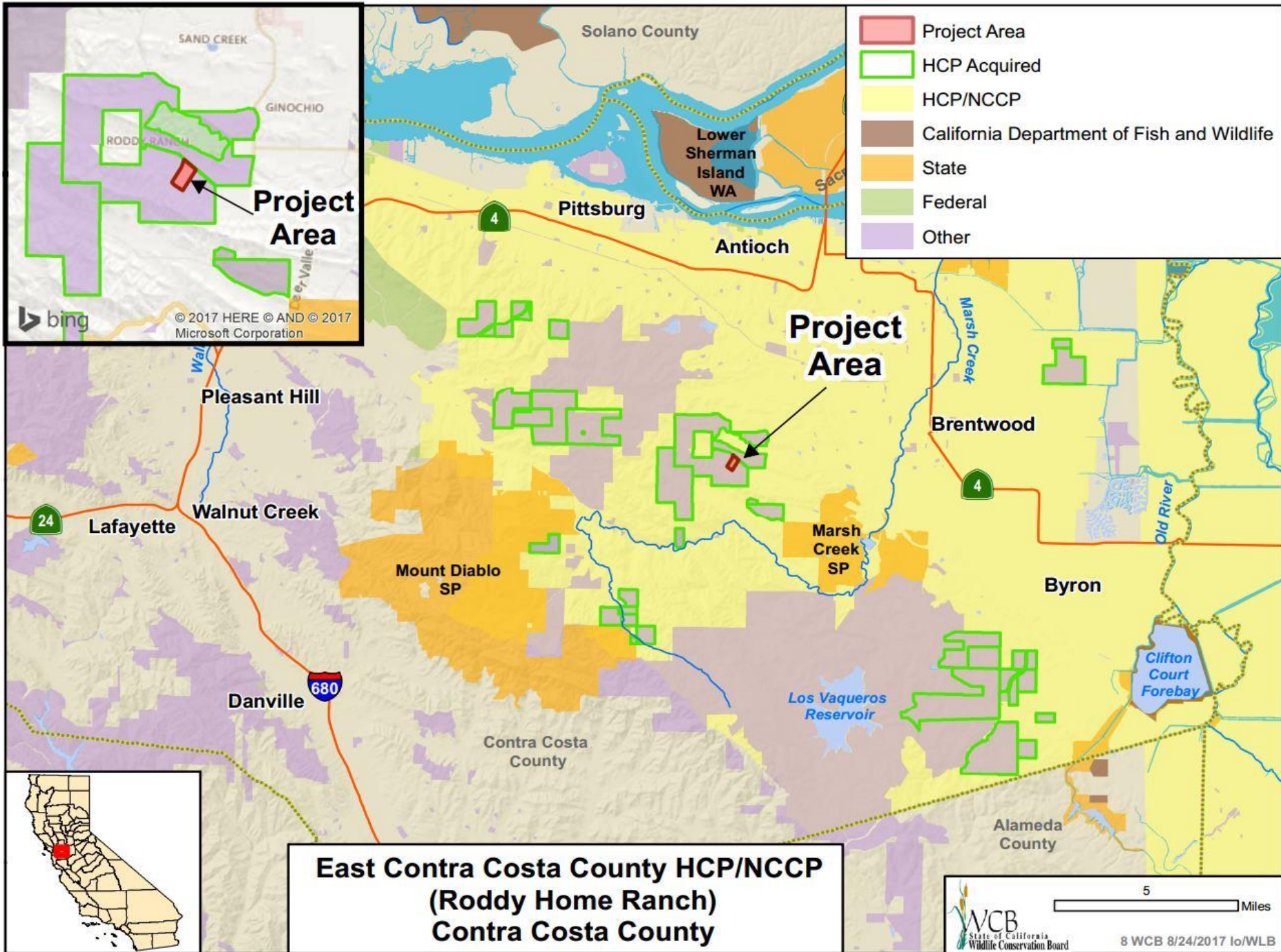
May 25, 2017, 10:00am

Wildlife Conservation Board Meeting



#7. Hope Valley Wildlife Area Encroachment





**East Contra Costa County HCP/NCCP
(Roddy Home Ranch)
Contra Costa County**



#8. East Contra Costa County HCP/NCCP (Roddy Home Ranch)



Overview of the property within the larger Ranch

#8. East Contra Costa County HCP/NCCP (Roddy Home Ranch)



View looking south along the property's eastern boundary, shown within the fence line. The property's southern boundary is located right before the wooded hills and power line.

#8. East Contra Costa County HCP/NCCP (Roddy Home Ranch)

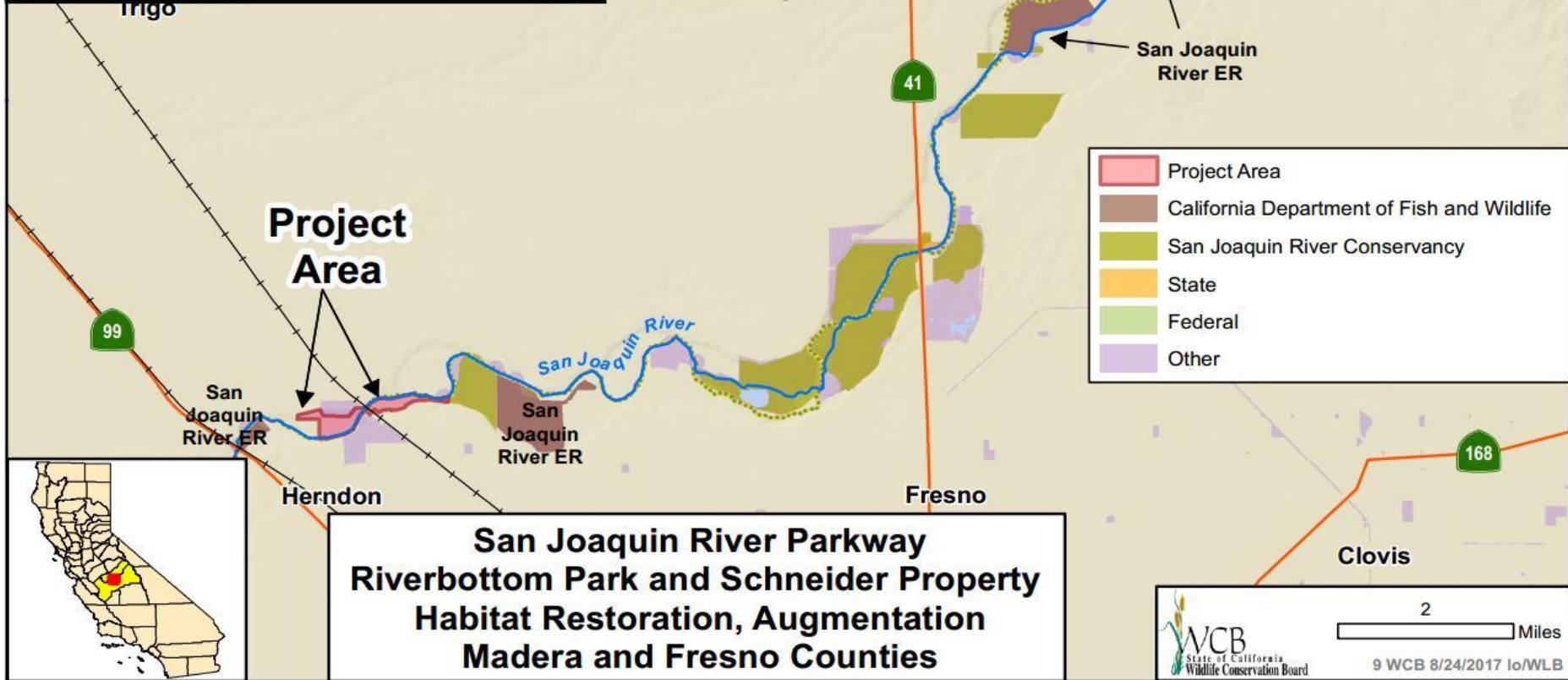
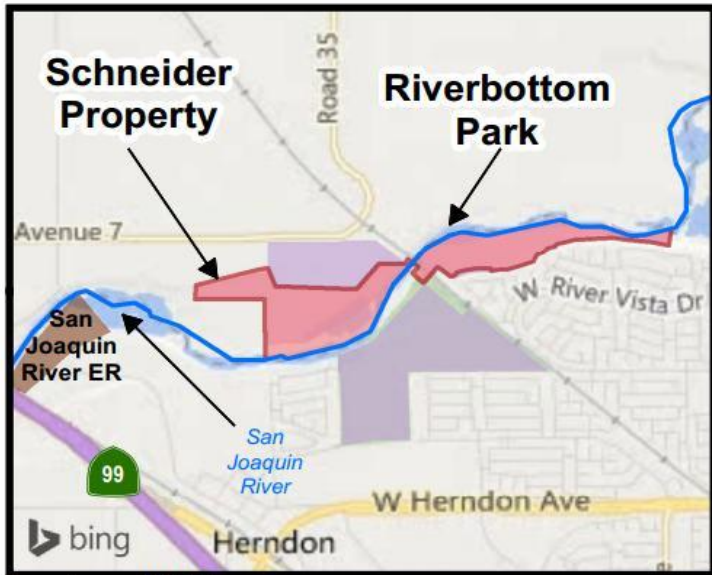


View looking southwest. The property's southern boundary is right before the wooded hillsides and the power line.

#8. East Contra Costa County HCP/NCCP (Roddy Home Ranch)



Entrance to the residential property, which is the main home.



#9. SJRP, Riverbottom Park and Schneider Property Habitat Restoration, Augmentation



Rows of planted woody riparian trees and shrubs at the Schneider property (Madera County) during the drought in October 2016. Arrow shows one of the trees.



Rows of the planted trees and shrubs at the Schneider property after a wet winter in June 2017.

#9. SJRP, Riverbottom Park and Schneider Property Habitat Restoration, Augmentation



Rows of planted woody riparian trees and shrubs at the Riverbottom Park (Fresno County) during the drought in October 2016



Rows of planted trees and shrubs at the Riverbottom Park property after a wet winter in June 2017

#9. SJRP, Riverbottom Park and Schneider Property Habitat Restoration, Augmentation



Challenges Faced at the Two Sites



- Delays associated with environmental permitting
- Equipment issues related to pumping and irrigation
- High water flows / flooding



#9. SJRP, Riverbottom Park and Schneider Property Habitat Restoration, Augmentation



Schneider Property (Madera County)



Irrigated willow during the drought in October 2016.

Dying black willow in June 2017 after a wet winter.



#9. SJRP, Riverbottom Park and Schneider Property Habitat Restoration, Augmentation



Schneider Property (Madera County)



Quailbush in June 2017.

Valley Oak in June 2017.



#9. SJRP, Riverbottom Park and Schneider Property Habitat Restoration, Augmentation



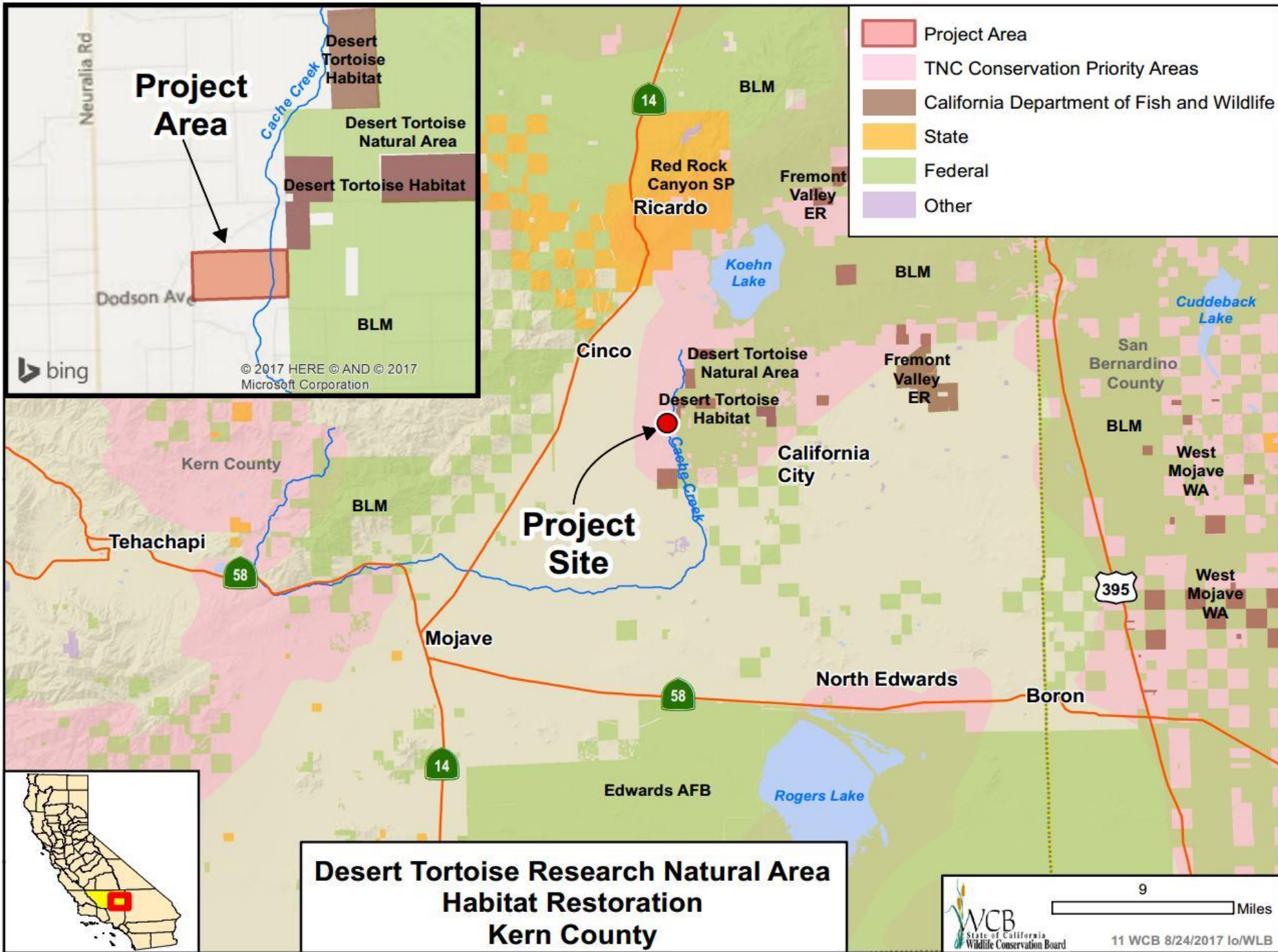
Contribution of the augmented project:

- Self-sustaining riparian habitat along the river and within the Parkway
- Improved habitat quality at the two sites
- Improved habitat connectivity and wildlife use along the river corridor

#10. State Lands Lease-PRC 7629.9 Renewal – Morro Bay



This item has been withdrawn from
consideration at this time



#11. Desert Tortoise Research Natural Area Habitat Restoration



The red lines indicates the proposed fencing installation corridor. The black circles indicate areas to be restored with vertical and horizontal mulching.

#11. Desert Tortoise Research Natural Area Habitat Restoration



OHV trails on the Desert Tortoise Research Natural Area

#11. Desert Tortoise Research Natural Area Habitat Restoration



OHV trails on the Desert Tortoise Research Natural Area

#11. Desert Tortoise Research Natural Area Habitat Restoration



Example of vertical mulching

#11. Desert Tortoise Research Natural Area Habitat Restoration



Area previous fenced and restored in the last two years

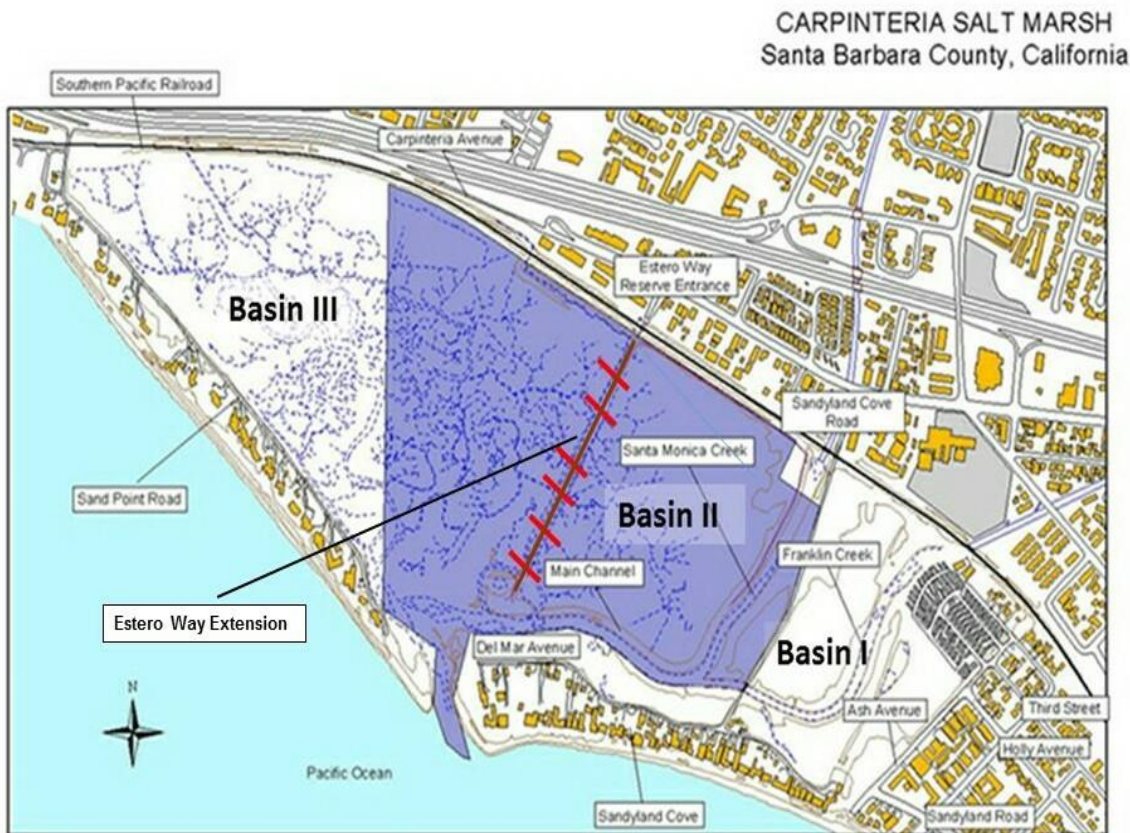
#11. Desert Tortoise Research Natural Area Habitat Restoration



Previous restoration area. The two areas in the center of the picture are examples of horizontal mulching with vertical mulching to the right side.



#12. Carpinteria Salt Marsh Infrastructure Improvement Project



Map of the Carpinteria Salt Marsh showing the Reserve boundaries, the location of the Estero Road extension and the locations of Basins II and III within the marsh. The existing culverts running beneath the Estero Road Extension are shown in red.

#12. Carpinteria Salt Marsh Infrastructure Improvement Project



Aerial photograph of the Estero Road extension looking northward into the Reserve

#12. Carpinteria Salt Marsh Infrastructure Improvement Project



One of the existing culverts running underneath the Estereo Road extension (Left). Note the height of the bottom of the culvert relative to the bottom of the channel. The culvert from the top showing the collapsed culvert and bank adjacent to the roadbed atop the culvert (Right).

#12. Carpinteria Salt Marsh Infrastructure Improvement Project



Informational sign installed in the adjacent Carpinteria Salt Marsh Nature Park. Installing similar informational signs at several points along the Estero Road extension is proposed to provide increased educational opportunities to public users of the Reserve.

#12. Carpinteria Salt Marsh Infrastructure Improvement Project

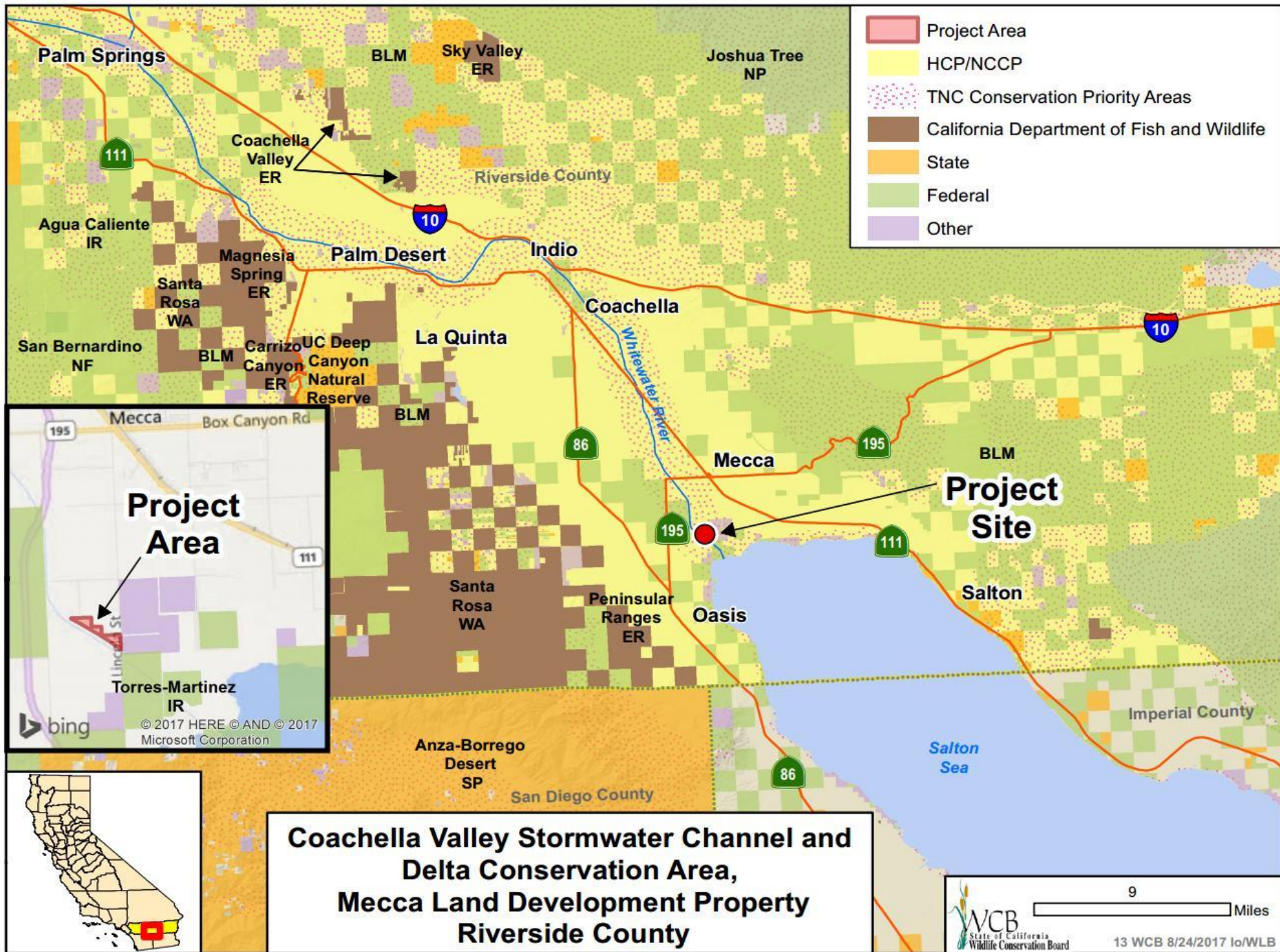


A portion of the Reserve fence showing a large gap that has formed below bottom which allows small predators such as feral cats to easily access reserve habitat for hunting small mammals and birds (Left). Portion of the Reserve fence retrofitted with additional fencing material along bottom edge to eliminate gaps (Right).

#12. Carpinteria Salt Marsh Infrastructure Improvement Project



Photograph of UCSB Environmental Studies students observing the marsh from the Estero Road extension. The road provides the only access point into the Reserve permanently above the mean high tide line.



#13. Coachella Valley Stormwater Channel and Delta Conservation Area, Mecca Land Development Property



Westerly view of the property

#13. Coachella Valley Stormwater Channel and Delta Conservation Area, Mecca Land Development Property



Northwesterly view of the property

#13. Coachella Valley Stormwater Channel and Delta Conservation Area, Mecca Land Development Property

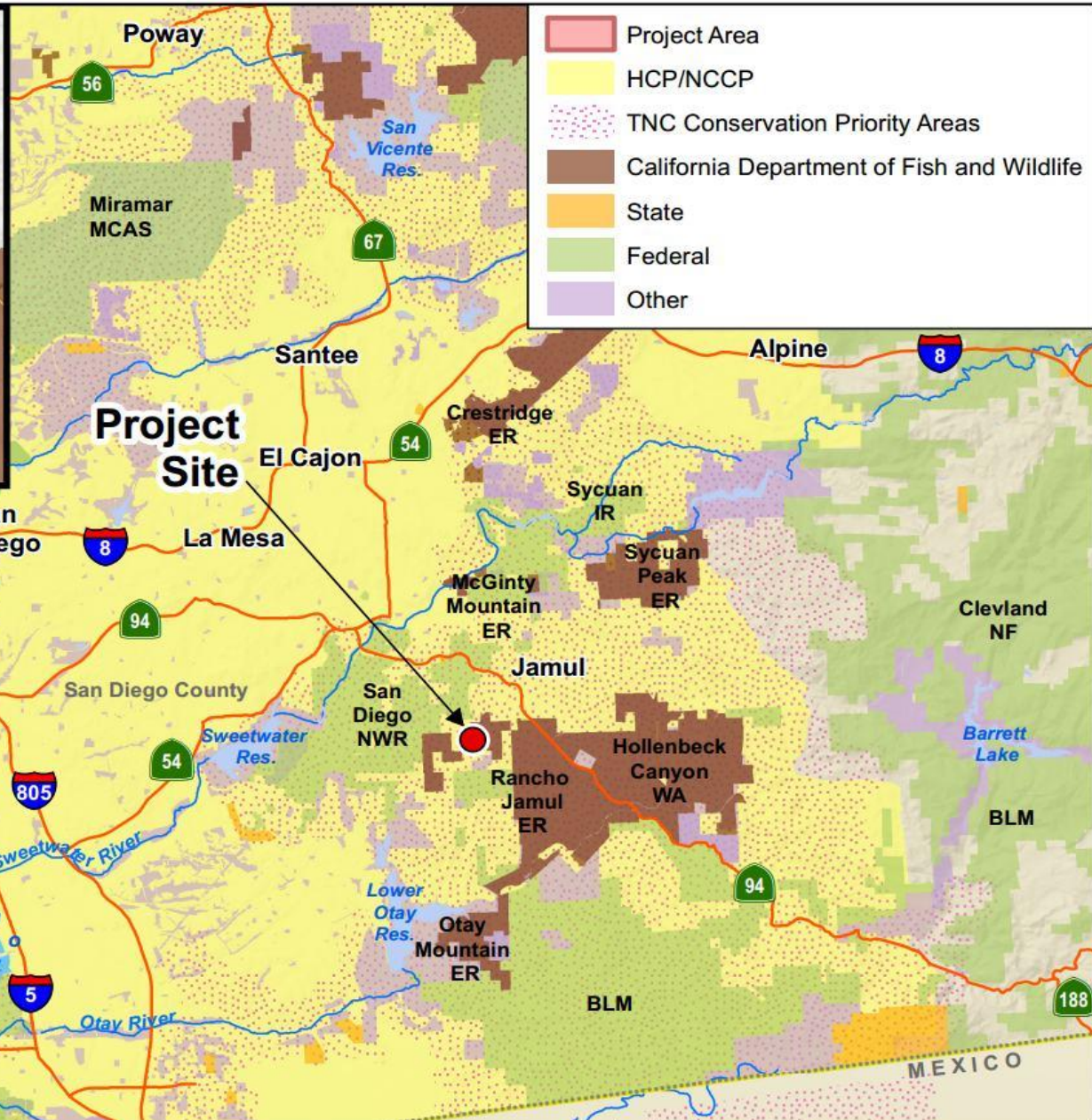
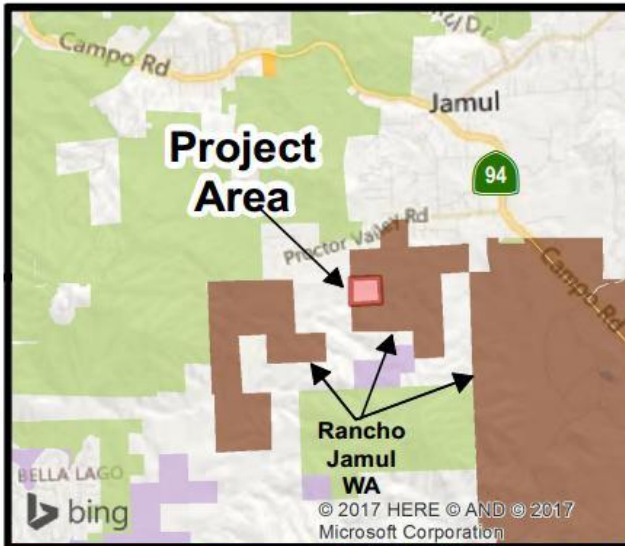


Northwesterly view of the property

#13. Coachella Valley Stormwater Channel and
Delta Conservation Area, Mecca Land
Development Property



Northeasterly view of the property



Rancho Jamul Ecological Reserve, Expansion 3 San Diego County



5 Miles

14 WCB 8/24/2017 lo/WLB

#14. Rancho Jamul Ecological Reserve, Expansion 3



Looking east at the property

#14. Rancho Jamul Ecological Reserve, Expansion 3

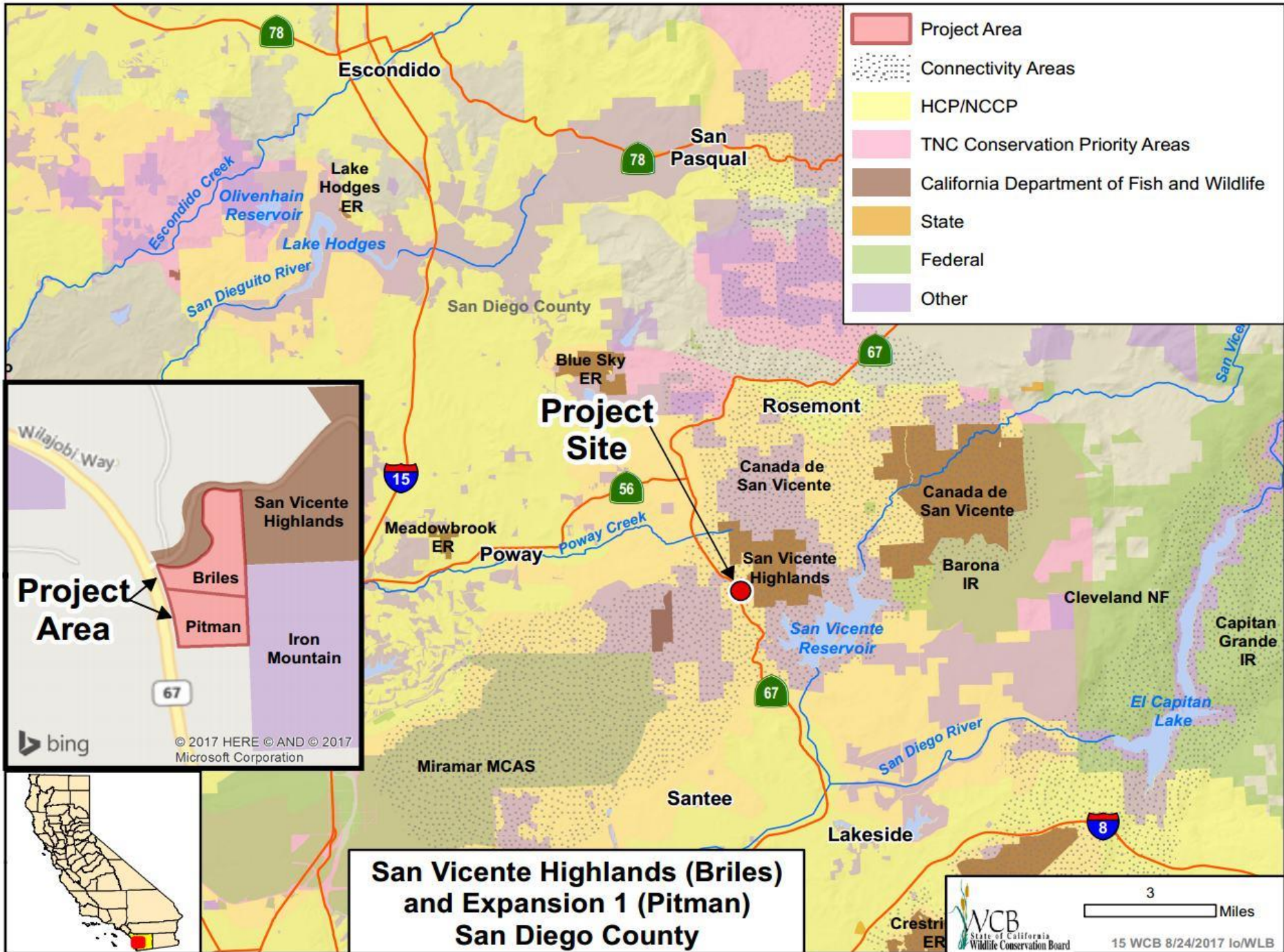


Looking east at the property

#14. Rancho Jamul Ecological Reserve, Expansion 3



Looking southeast at the property



#15. San Vicente Highlands (Briles) and Expansion 1 (Pitman)



Looking southeast on San Vicente Highlands property

#15. San Vicente Highlands (Briles) and Expansion 1 (Pitman)



Looking southwest on San Vicente Highlands property

#15. San Vicente Highlands (Briles) and Expansion 1 (Pitman)



Looking west on San Vicente Highlands, Expansion 1 property

#15. San Vicente Highlands (Briles) and Expansion 1 (Pitman)

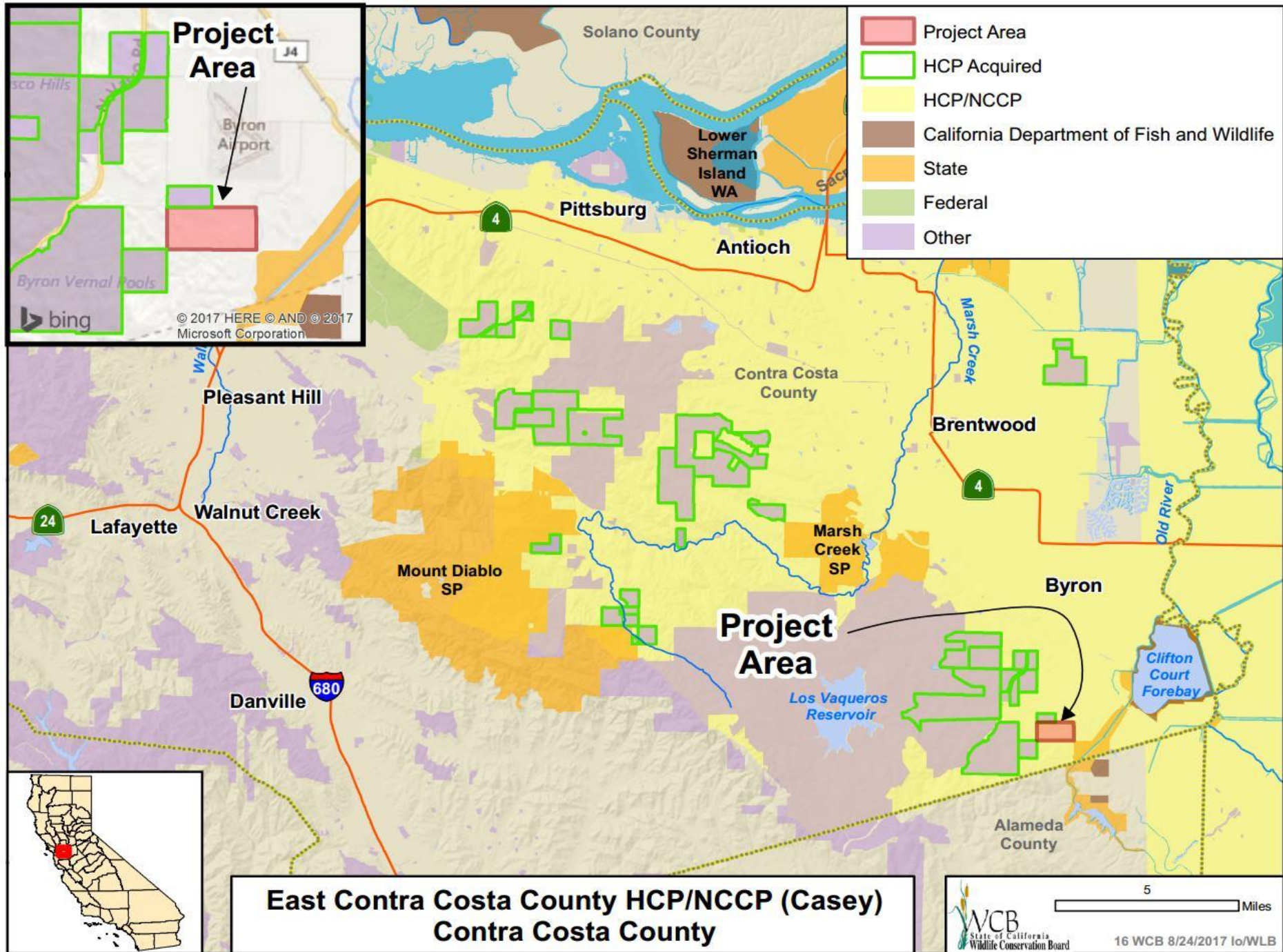


Looking south on San Vicente Highlands, Expansion 1 property

#15. San Vicente Highlands (Briles) and Expansion 1 (Pitman)



Looking southeast on San Vicente Highlands, Expansion 1 property



#16. East Contra Costa County HCP/NCCP (Casey)



View of dilapidated ranch structures along a tributary to Brushy Creek on the southern boundary of the parcel

#16. East Contra Costa County HCP/NCCP (Casey)



View of the unnamed tributary to Brushy Creek that flows from the southern end of the property to the east

#16. East Contra Costa County HCP/NCCP (Casey)



View from hillside on the south end of the property
looking north toward main valley

#16. East Contra Costa County HCP/NCCP (Casey)

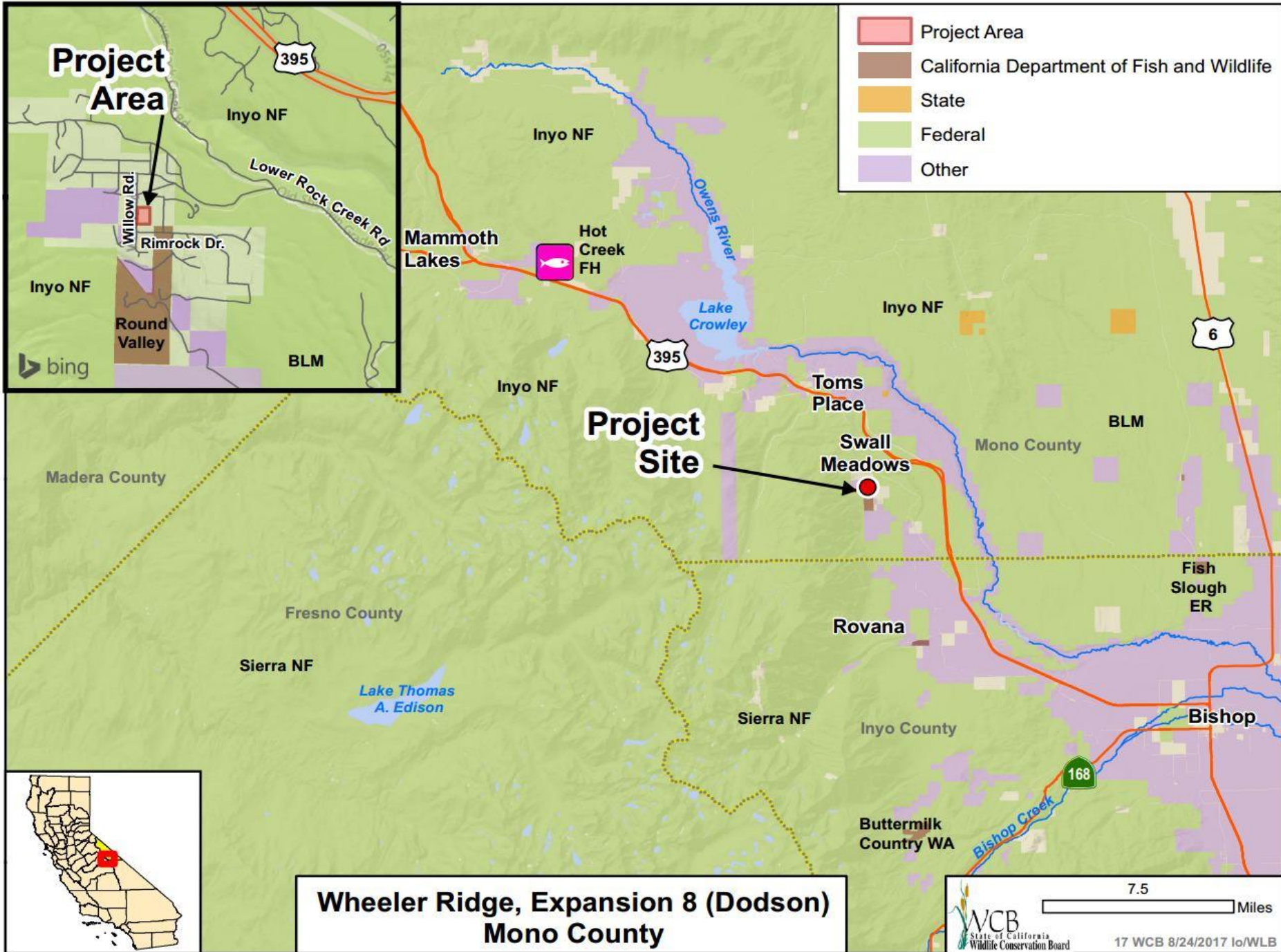
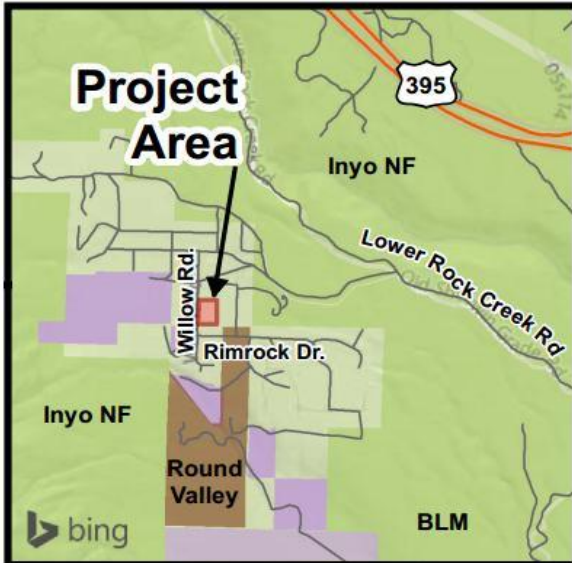


View looking SW toward Souza III (Conservancy Preserve Property) and the Buena Vista Windfarm

#16. East Contra Costa County HCP/NCCP (Casey)



Surveying for (and finding) HCP/NCCP covered shrimp species on the property. Conservancy biologists identified Vernal Pool Fairy Shrimp and Midvalley Fairy Shrimp.



Wheeler Ridge, Expansion 8 (Dodson) Mono County

#17. Wheeler Ridge, Expansion 8 (Dodson)



Deer ranges and
migration routes

#17. Wheeler Ridge, Expansion 8 (Dodson)



Looking west from the property towards Wheeler Ridge

#17. Wheeler Ridge, Expansion 8 (Dodson)



Looking south from the property towards Mt. Tom and Round Valley

#17. Wheeler Ridge, Expansion 8 (Dodson)



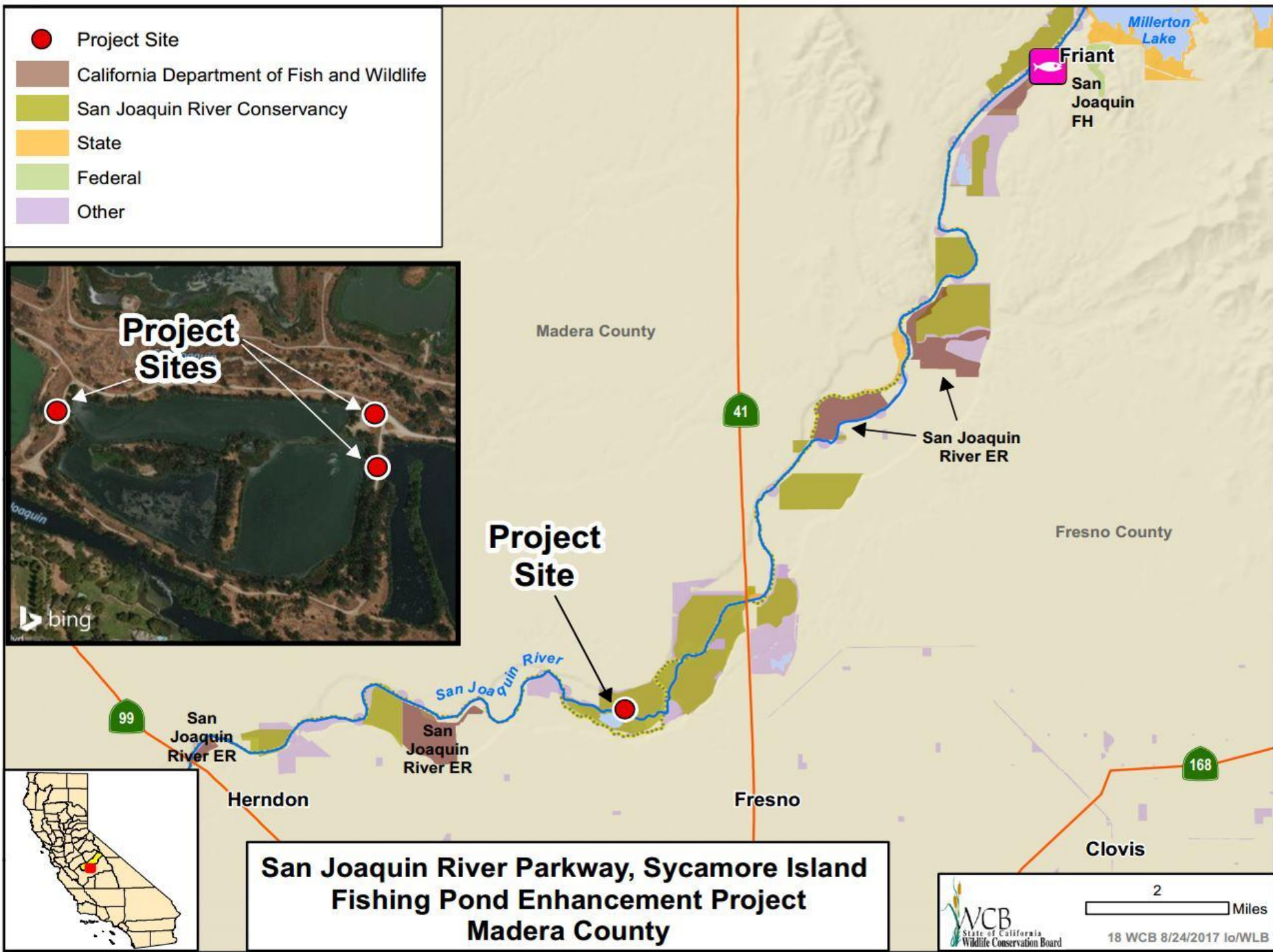
Looking southeast at the property

#17. Wheeler Ridge, Expansion 8 (Dodson)



Round Valley Mule deer

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



**San Joaquin River Parkway, Sycamore Island
Fishing Pond Enhancement Project
Madera County**

#18. SJRP, Sycamore Island Fishing Pond, Enhancement Project



Pond formed by gravel mining and separated from other ponds and the San Joaquin River by berms.

#18. SJRP, Sycamore Island Fishing Pond, Enhancement Project



- The existing public access to the pond includes an unpaved open area to park and two unpaved boat ramps.
- The water surface fluctuates widely due to reduced hydrological connectivity to the river and adjacent ponds.

#18. SJRP, Sycamore Island Fishing Pond, Enhancement Project



Locations of existing and proposed facilities.

#18. SJRP, Sycamore Island Fishing Pond, Enhancement Project



Enhanced recreation facilities will include a parking area, walkways, boat ramp, pier, and restroom. Up to two French drains will be installed.

#18. SJRP, Sycamore Island Fishing Pond, Enhancement Project

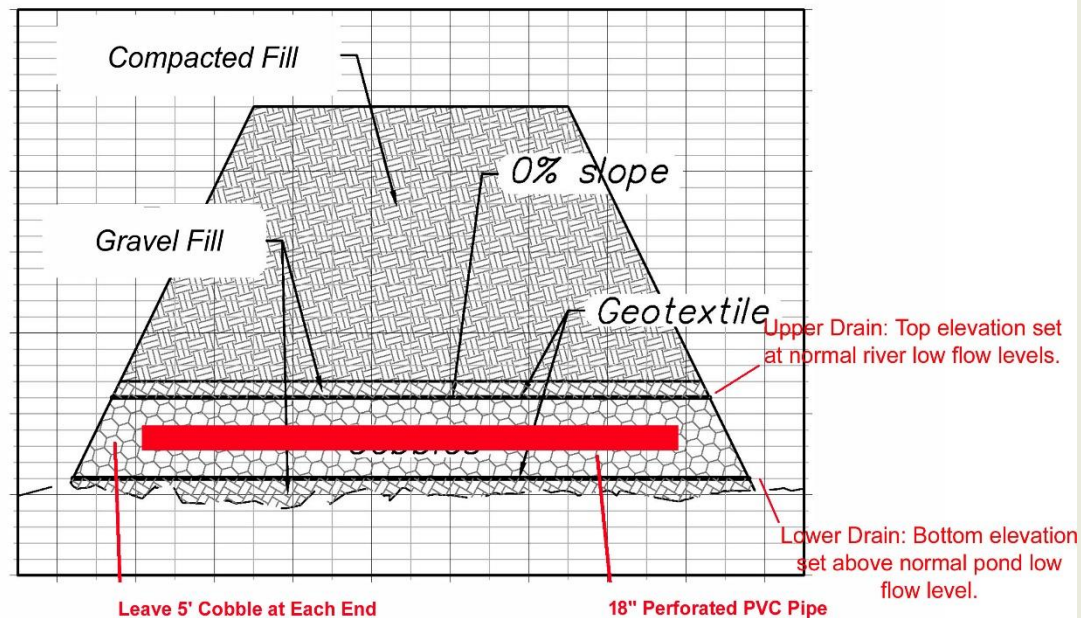


Proposed location for one of the French drains on the downstream (west) side of the pond.

#18. SJRP, Sycamore Island Fishing Pond, Enhancement Project



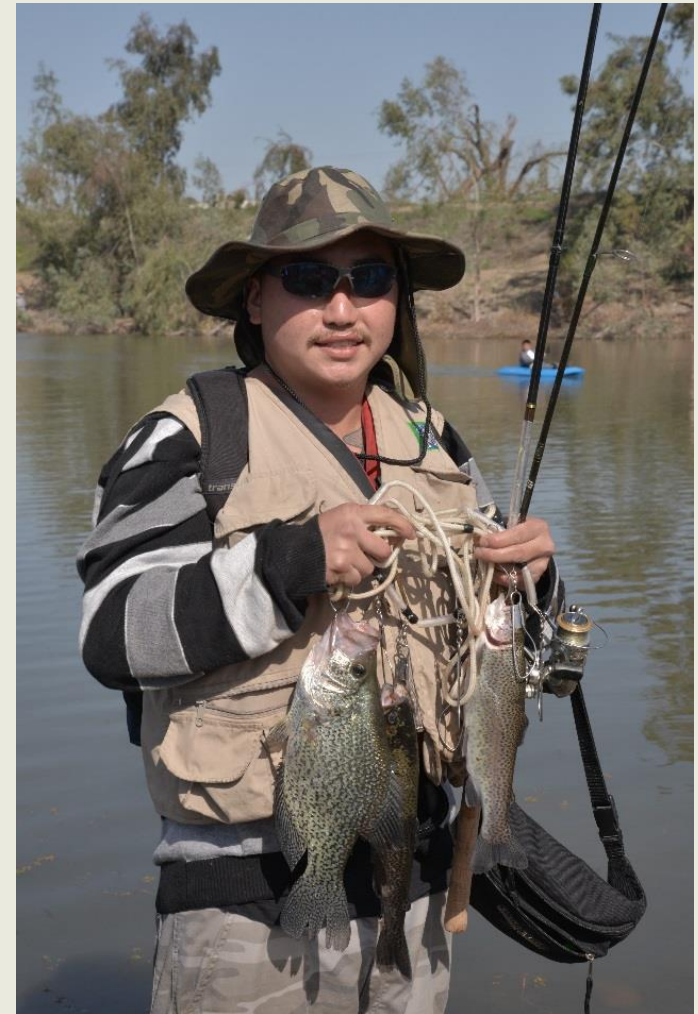
French Drain Concept



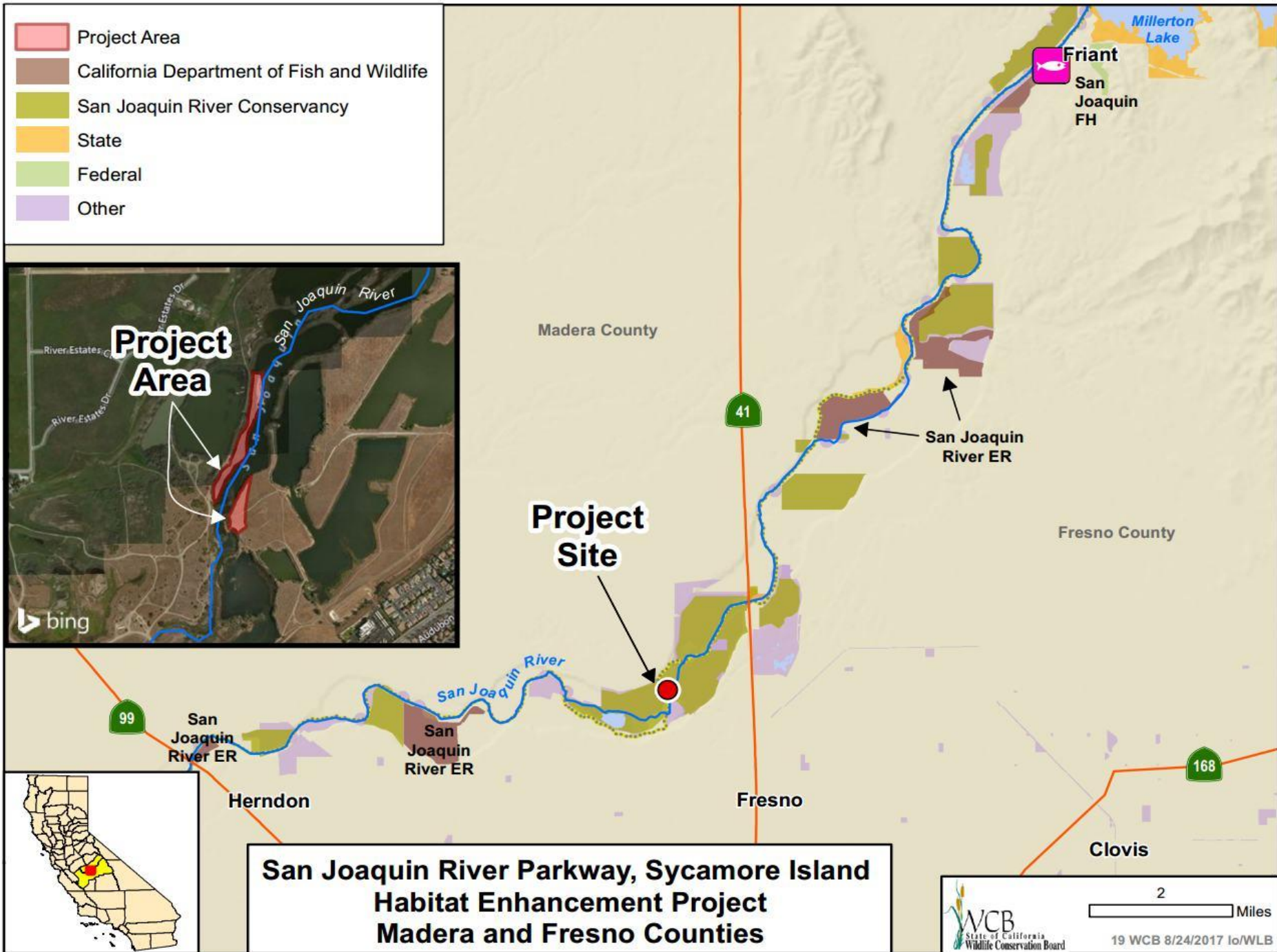
#18. SJRP, Sycamore Island Fishing Pond, Enhancement Project



The project will enhance water quality and flow, and improve the public's recreational fishing experience.



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



**San Joaquin River Parkway, Sycamore Island
Habitat Enhancement Project
Madera and Fresno Counties**

#19. SJRP, Sycamore Island Habitat Enhancement Project



Spring 2015 aerial view of the project site including the riverbanks, berm, and breach.

#19. SJRP, Sycamore Island Habitat Enhancement Project



Summer 2017 aerial views of the project site including the riverbanks, repaired berm, and new floodplain.

#19. SJRP, Sycamore Island Habitat Enhancement Project



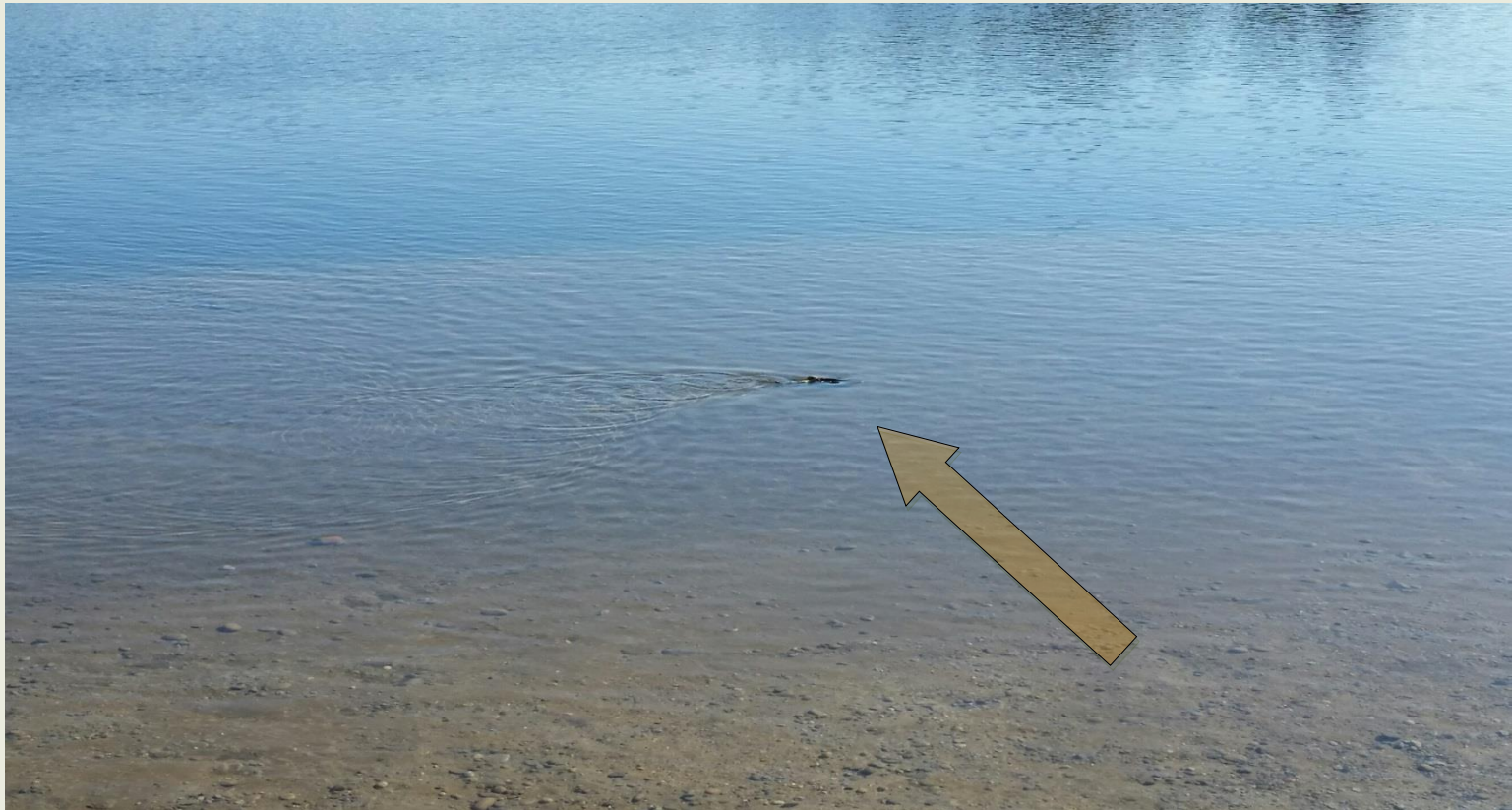
The Project will plant, maintain, and monitor riparian vegetation on the berm, riverbank, and floodplain.

#19. SJRP, Sycamore Island Habitat Enhancement Project



Maintenance will include seasonal irrigation, weed suppression, and plant replacement.

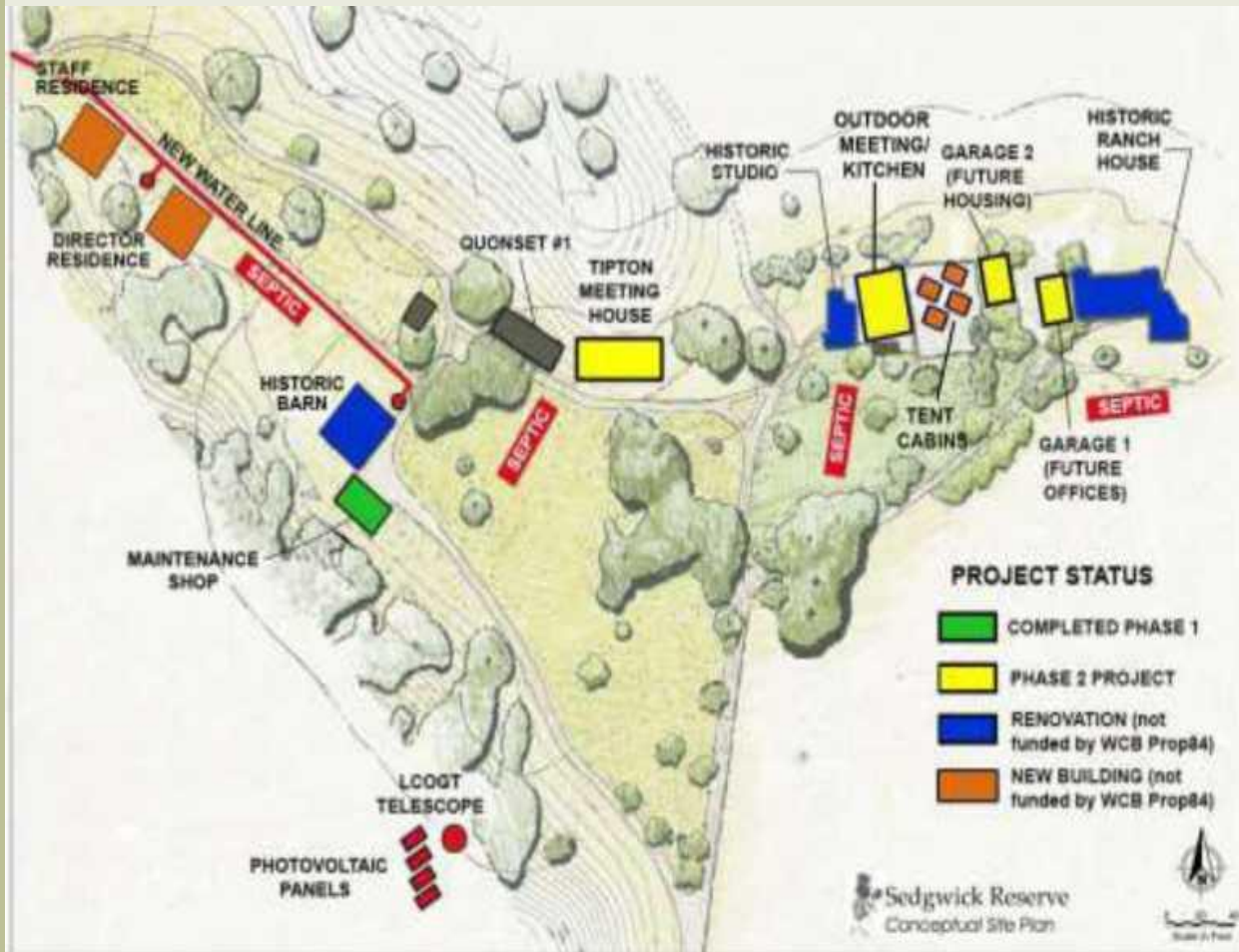
#19. SJRP, Sycamore Island Habitat Enhancement Project



Salmon exploring the newly designed floodplain in November 2016.



#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2



Field station plan showing facilities & infrastructure completed in Phase 1 is shown in green. Proposed Phase 2 is shown in yellow

#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2



Overview of both garages proposed for renovation

#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2

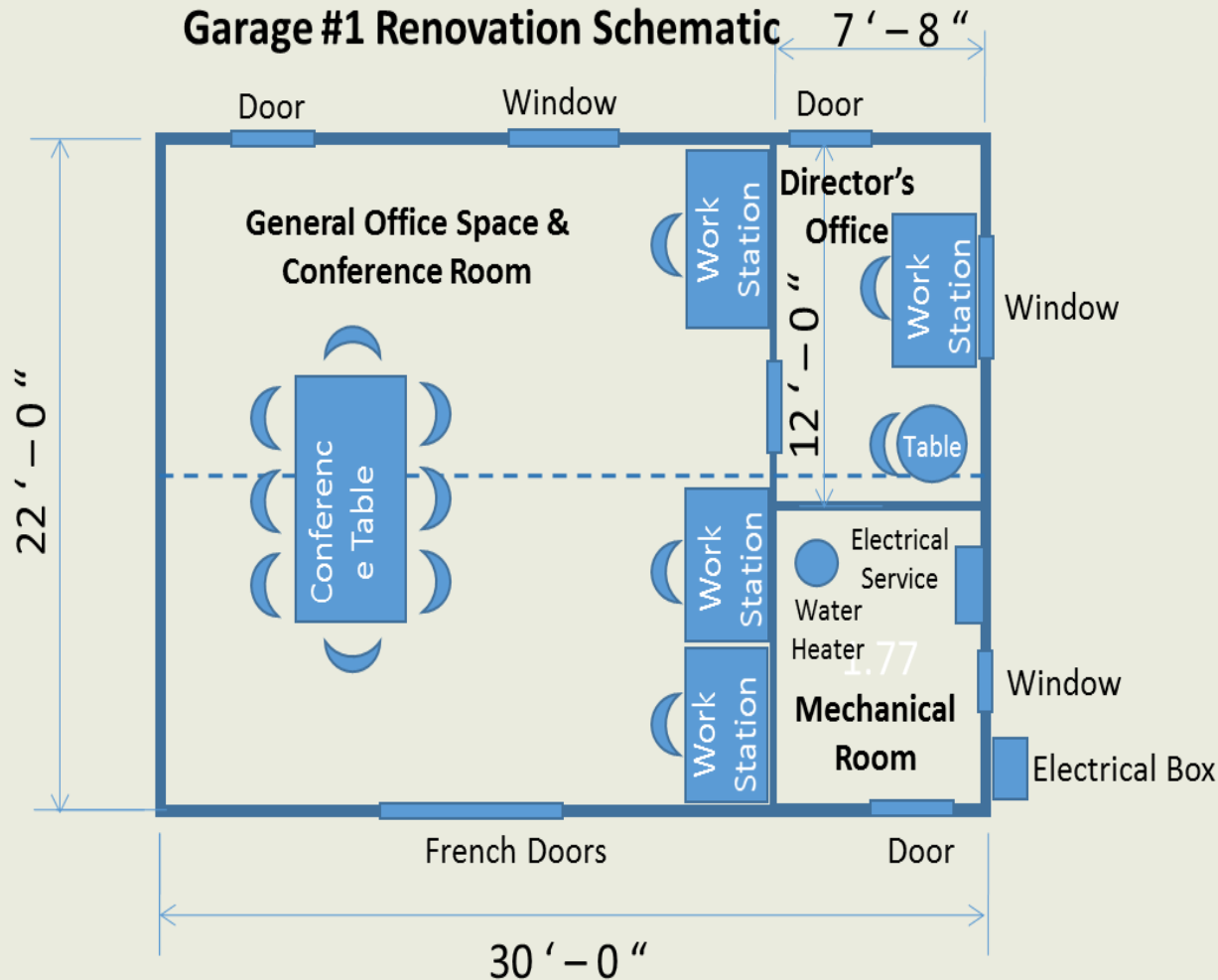


Garage #1 adjacent to the Ranch House will be renovated and converted into office space for researchers.

#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2



Garage #1 Renovation Schematic



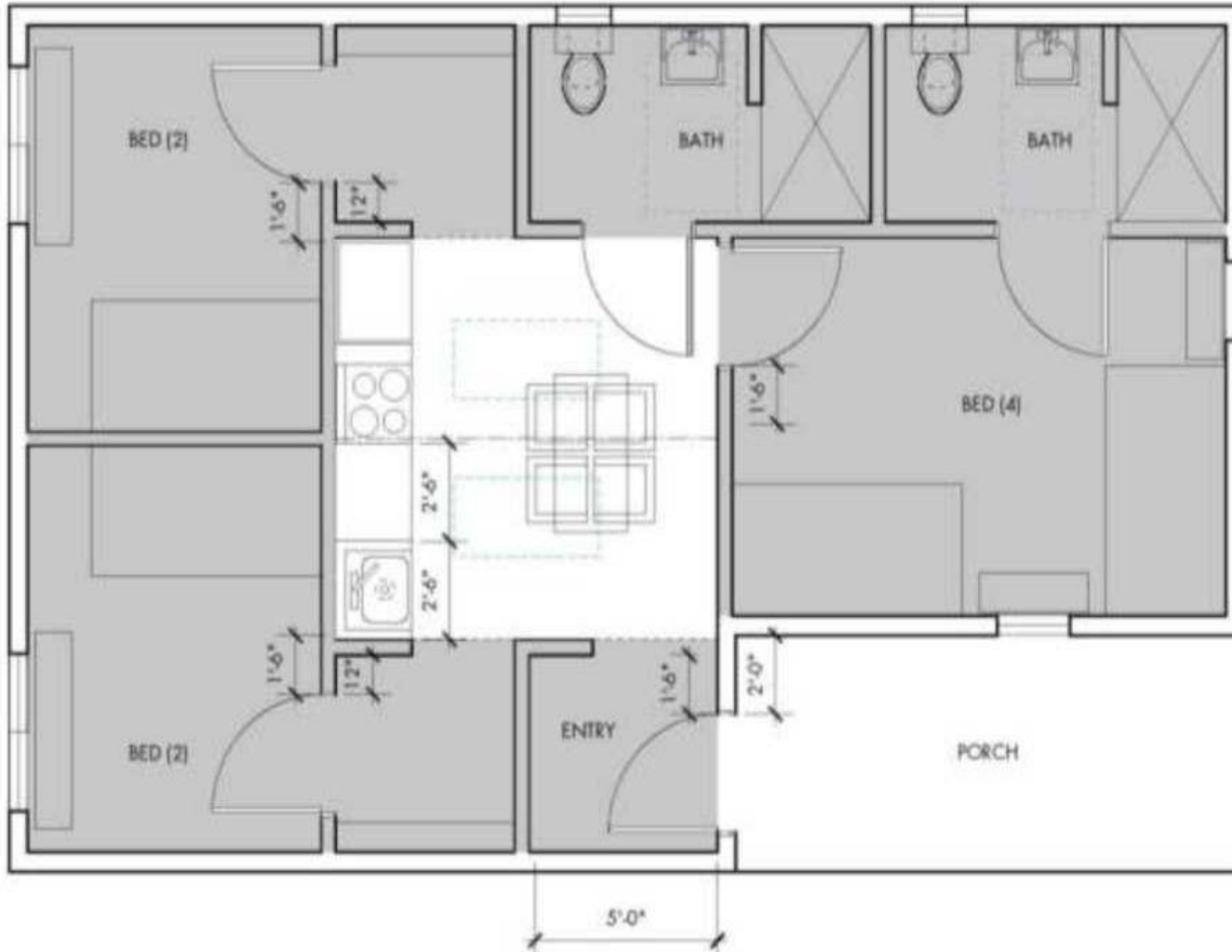
Schematic design of the conversion of Garage #1 into office space for researchers.

#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2



Garage #2 located between the Ranch house and the tent cabins

#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2



Garage # 2
Renovation
Schematic

#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2



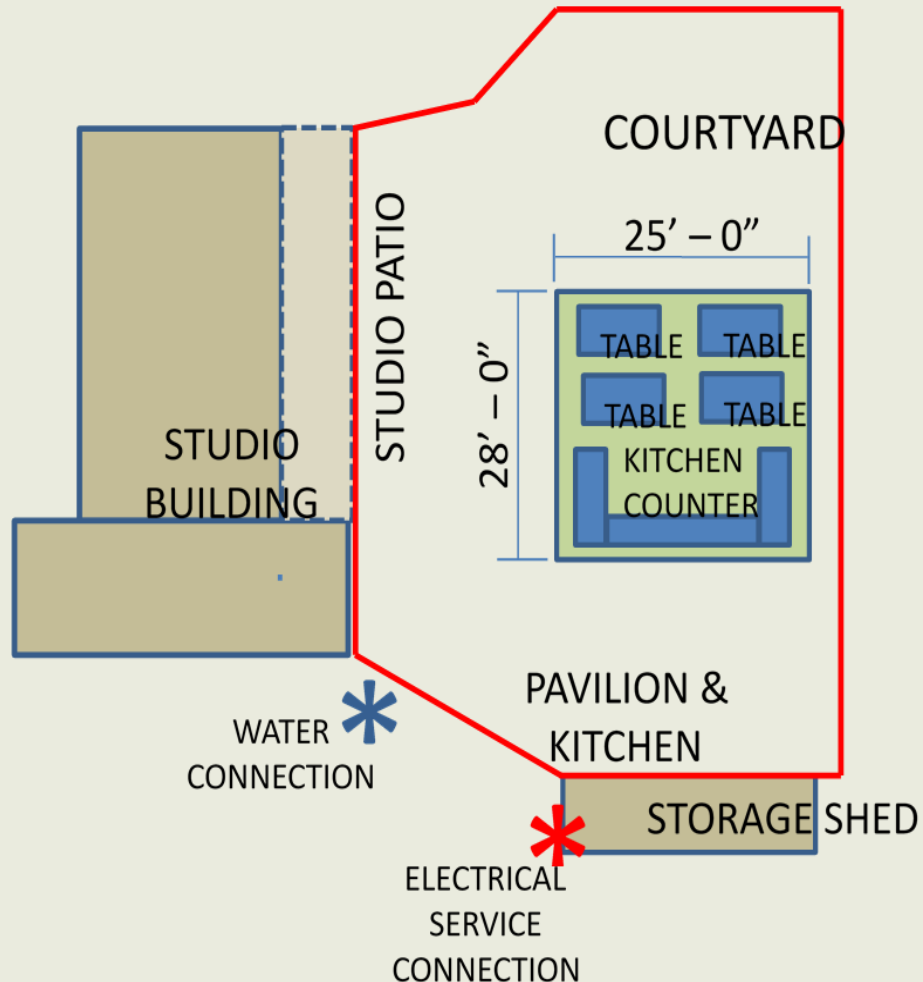
The Studio building adjacent to the courtyard has rudimentary cooking amenities with an outdoor sink attached to the building, and storage cabinets, a counter and a refrigerator under the porch roof

#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2



A mesh canopy stretched on a pipe frame shades the picnic tables used for dining and meetings by Reserve day-users and researchers and students camping overnight. The coping of the old swimming pool that was filled in and topped with gravel is visible, as are the 6 ft. x 6 ft concrete pavers lining the courtyard.

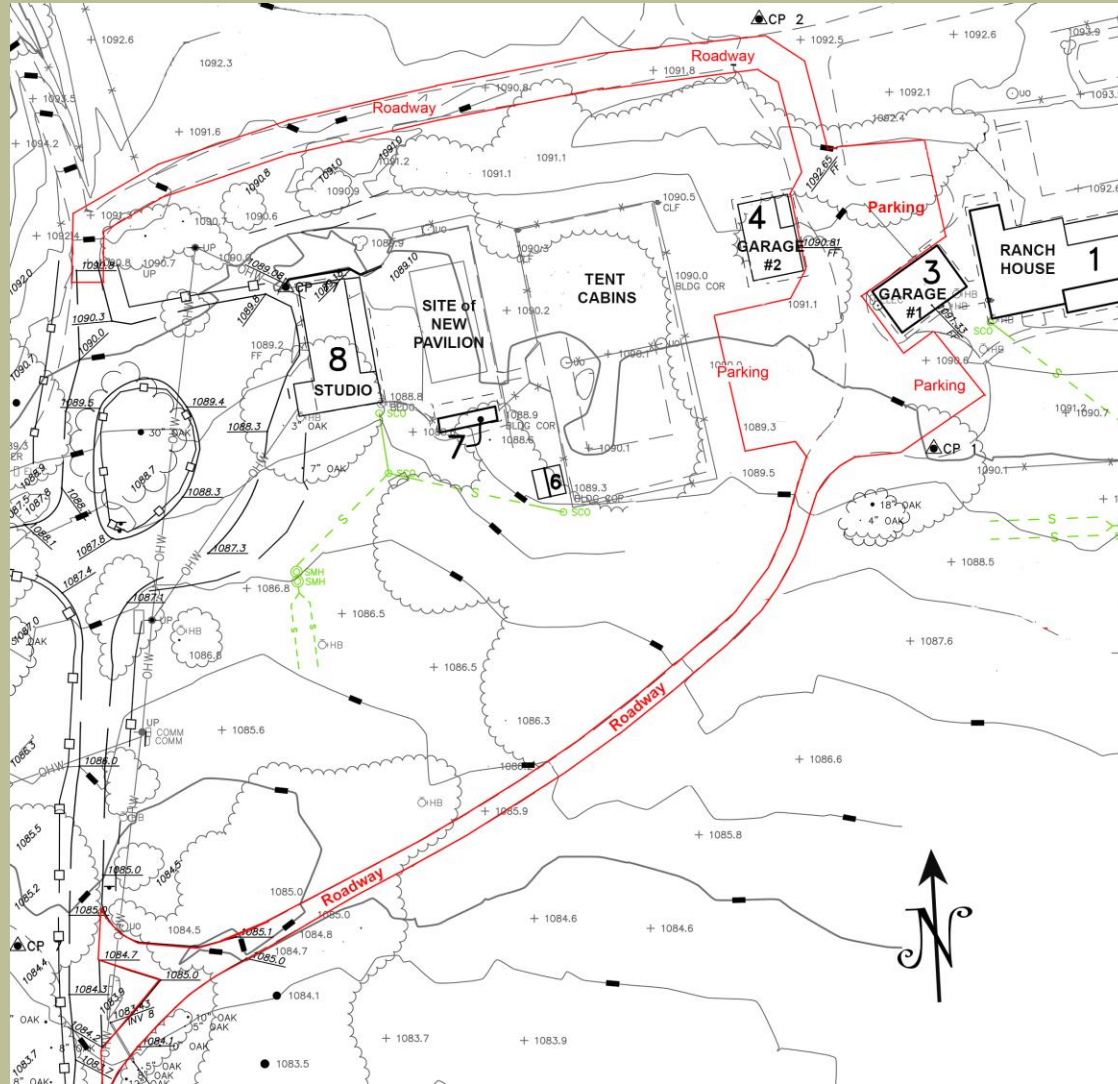
#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2



AREA WITH TENT CABINS

Schematic of the courtyard (outlined in red) between the Studio building and the site of the tent cabin. The entire courtyard will be demolished and a concrete slab will be installed throughout the space. The 700 sq. ft. pavilion will provide kitchen facilities for Reserve users.

#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2



Plan showing the sections of road and parking areas (outlined in red) in the eastern side of the Reserve field station that will be graded and resurfaced with Class II road base. The roads and parking provide access to the Ranch House and the proposed renovation of Garage #1 and Garage #2 into office space and housing.

#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2



Sedgwick Valley
overview

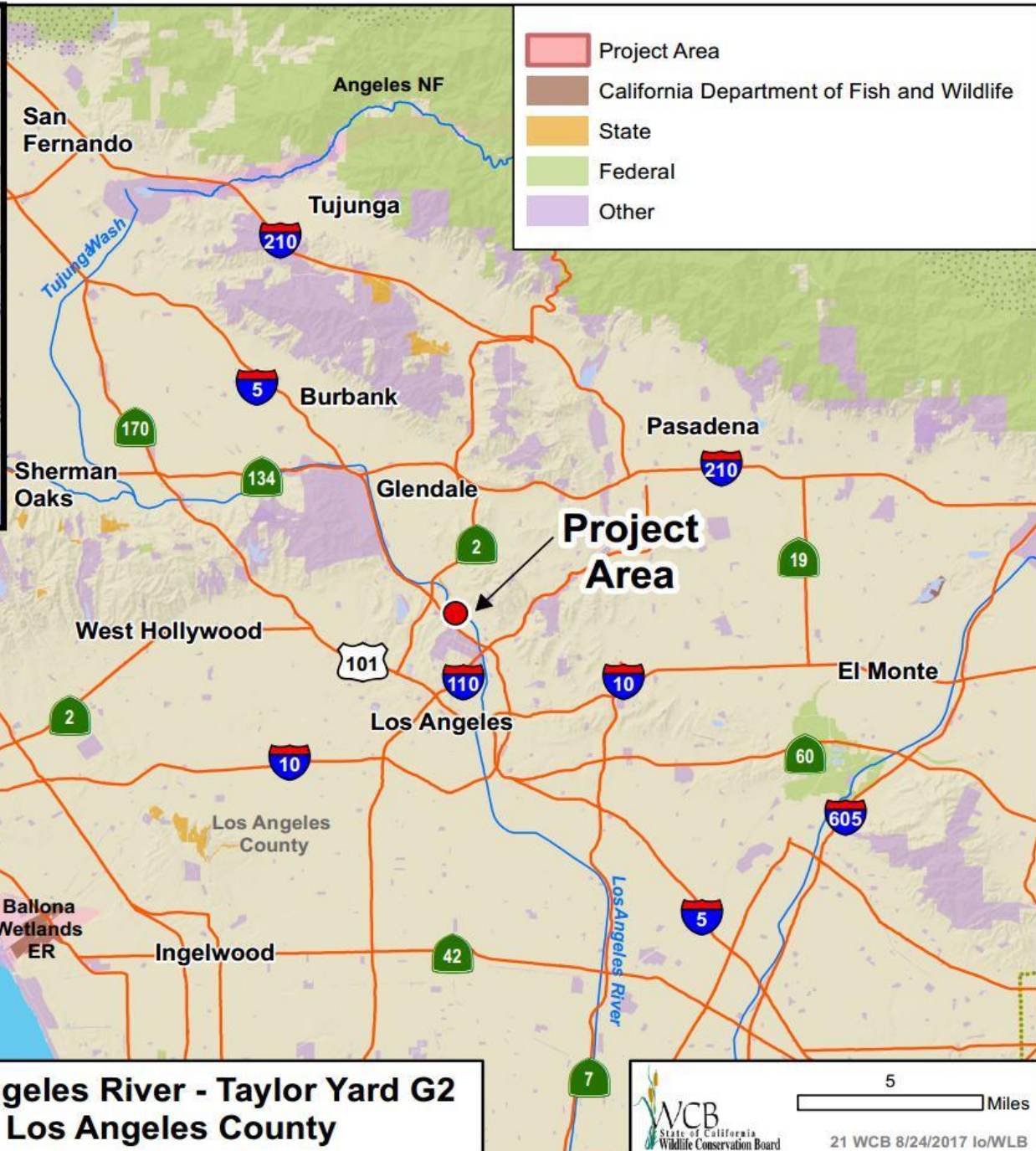
#20. Sedgwick Reserve Infrastructure and Facilities Project, Phase 2



Diverse wildlife in
Sedgwick Valley



HCO ScoutGuard



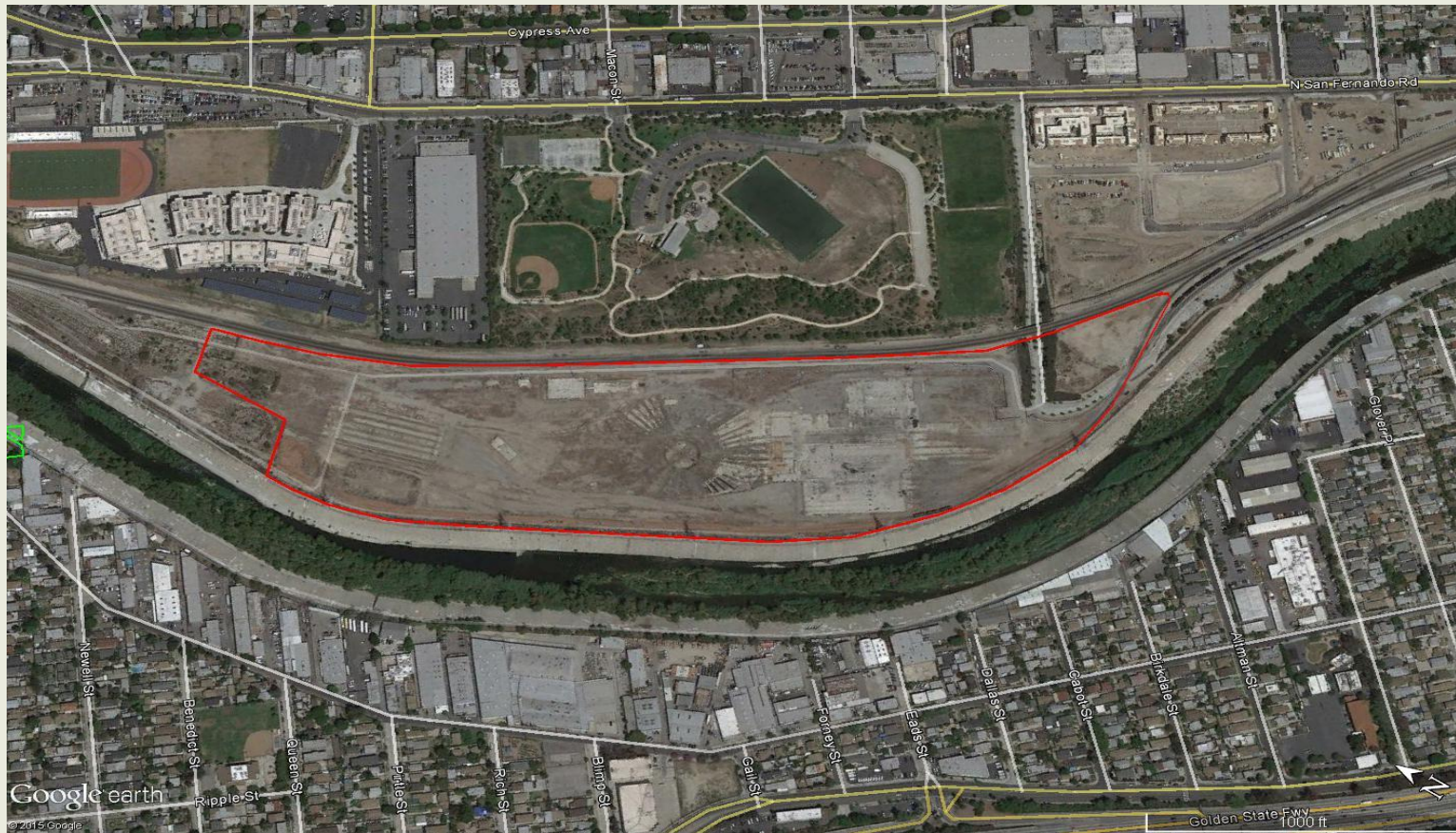
#21. Los Angeles River – Taylor Yard G2



Taylor Yard's proximity to existing public parklands

-  Subject Taylor Yard Property (G2)
-  Habitat Linkages Through and Around Taylor Yard (G2)
-  Wildlife Linkages
-  Other Public Parkland

#21. Los Angeles River – Taylor Yard G2



Aerial view of the Taylor Yard property bordered by Rio de Los Angeles State Park to the east and the Los Angeles River to the west

#21. Los Angeles River – Taylor Yard G2



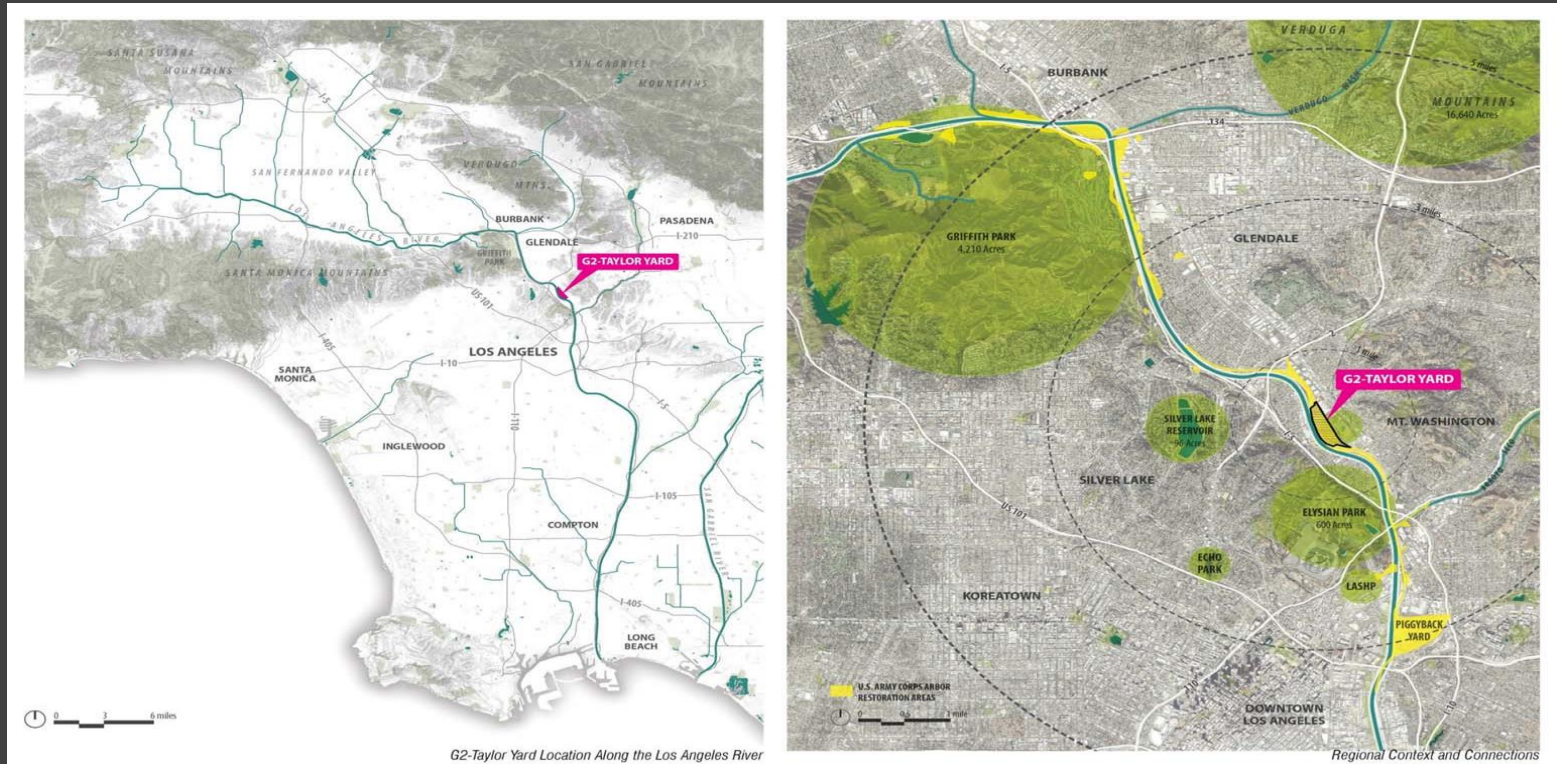
The Los Angeles River. The river's bottom is natural along the property and the banks are improved with reinforced concrete lining.

#21. Los Angeles River – Taylor Yard G2



Vegetated area along the Los Angeles River

#21. Los Angeles River – Taylor Yard G2



Los Angeles River/Alternative 20

#21. Los Angeles River – Taylor Yard G2



Taylor Yard G2 Conceptual Plan

#21. Los Angeles River – Taylor Yard G2



Recreation and Wildlife on the Los Angeles River

#22. Red Hill Bay Shallow Water Habitat, Augmentation



This item has been withdrawn from
consideration at this time



#23. Otay Mesa Habitat Restoration Project



Otay Mesa project site

#23. Otay Mesa Habitat Restoration Project

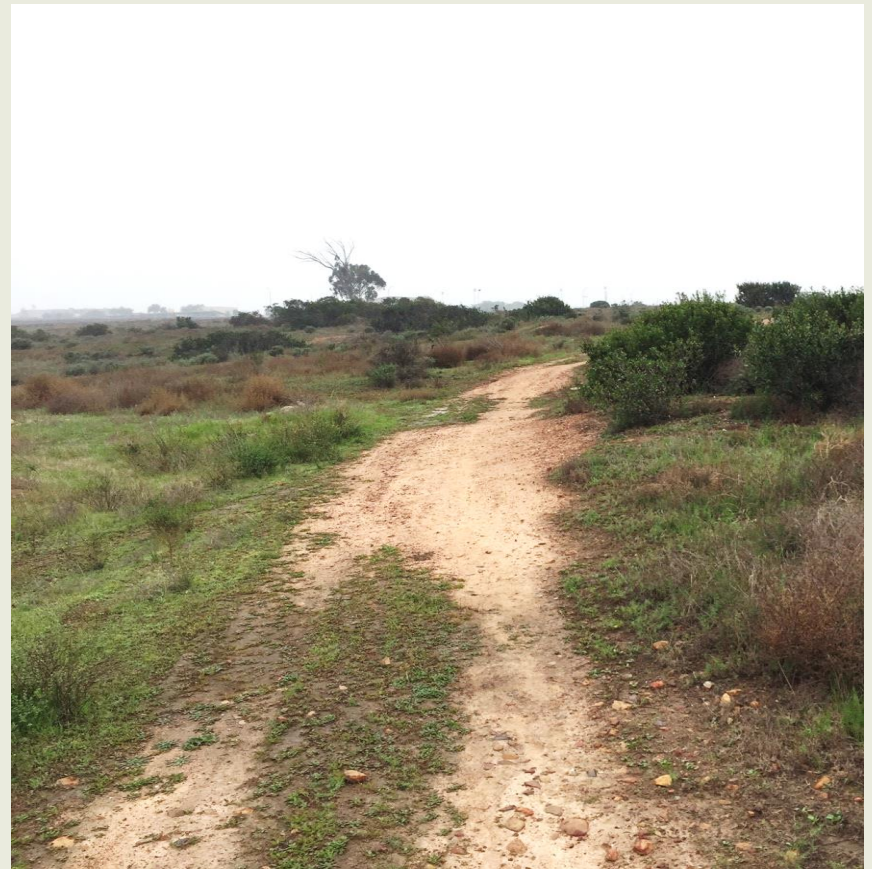


Damage from off-road vehicles on the Otay Mesa
(Photo taken 9/29/1996)

#23. Otay Mesa Habitat Restoration Project



Current state of project site



#23. Otay Mesa Habitat Restoration Project



Project goals

Restoration and enhancement of five acres of vernal pools and maritime succulent scrub

- 95% of vernal pools have been lost to development
- Over 90% loss of maritime succulent scrub in U.S. and Mexico

Both vernal pools and maritime succulent scrub habitat have been prioritized by the San Diego County Multiple Species Conservation Plan (MSCP)

TIER I

- Closed Cone Coniferous Forest including Torrey Pine Woodland and Cypress Forest
- Coastal Bluff Scrub and **Maritime Succulent Scrub**
- Southern Maritime Chaparral, Mafic Southern Mixed Chaparral and Mafic Chamise Chaparral
- Native Grassland
- Oak Woodlands and Broad Leaved Upland Forest
- Wetlands, including **Vernal Pools**, Alkali Marsh, Freshwater Marsh,
- Riparian Forests, Riparian Woodlands, and Riparian Scrubs

TIER II

- Coastal Sage Scrub and Coastal Sage-Chaparral Scrub
- Flat-topped Buckwheat

TIER III

- Chaparral except for Southern Maritime Chaparral and Mafic Chamise and Mafic Southern Mixed Chaparral
- Non-native grassland

TIER IV

- Lands which do not support natural vegetation and which are not regulated by this ordinance

#23. Otay Mesa Habitat Restoration Project



Degraded vernal pools at the project site

#23. Otay Mesa Habitat Restoration Project



Vernal pool restoration



Otay Mesa mint



Spreading navarretia

- 40 vernal pools will be restored or enhanced by repairing damage to pools from tire trenching, removing erosion fill, and restoring natural pool contours and slopes
- Pools will be seeded with 24 different species of endemic plants. This includes eight sensitive species, four of which are listed as endangered
- San Diego fairy shrimp and Riverside fairy shrimp will be introduced to the pools through the use of inoculum (soil containing fairy shrimp cysts) from nearby vernal pools



San Diego button celery



San Diego fairy shrimp

#23. Otay Mesa Habitat Restoration Project



Current condition of upland
habitat at project site



Healthy maritime succulent scrub
at nearby restoration site

#23. Otay Mesa Habitat Restoration Project



Upland habitat restoration



San Diego barrel cactus



Coastal prickly pear

- Localized earthwork or grading of damaged uplands to repair tire trenching and erosion gullies using a small bulldozer and hand tools.
- Hand weeding and herbicides will be used to remove non-native grasses and forbs
- Upland areas will be planted or seeded with over 50 different species of plants common to maritime succulent scrub habitat. This includes 13 sensitive species, three of which are listed as endangered



Otay tarplant



San Diego thornmint

#23. Otay Mesa Habitat Restoration Project



Listed Species That Will Benefit From Project



Two-striped garter snake



Quino checkerspot butterfly

	SPECIES	LISTING STATUS	STATUS AT SITE
Vernal Pool Species	Riverside fairy shrimp	FE	Absent
	San Diego fairy shrimp	FE	Present
	San Diego button-celery	FE; SE	Absent
	Spreading navarretia	FE	Absent
	Orcutt's grass	FE; SE	Absent
	Otay Mesa mint	FE; SE	Absent
	Western spadefoot toad	CA SOSC	Unkown
	Two-striped garter snake	CA SOSC	Unkown
Upland Species	San Diego thornmint	FE; SE	Absent
	Otay tarplant	FE; SE	Absent
	Small-leaved rose	SE	Absent
	So. Ca. rufous-crowned sparrow	CA SOSC	Absent
	Bell's sage sparrow	CA SOSC	Absent
	Burrowing owl	CA SOSC	Absent
	Northern harrier	CA SOSC	Present
	California gnatcatcher	FE; CA SOSC	Absent
	Quino checkerspot butterfly	FE	Absent
	Hermes copper butterfly	FC	Absent
	Belding's orange-throated whiptail lizard	CA SOSC	Absent
	Coast horned lizard	CA SOSC	Absent

FE=Federal Endangered; FC=Federal Candidate; SE=State Endangered; CA SOSC=California Species of Special Concern



Burrowing owl



Belding's orange-throated whiptail lizard

A photograph of a field of yellow poppies in bloom, with green grass and foliage in the background. The text is overlaid on the upper left portion of the image.

Wildlife Conservation Board Strategic Plan – Implementing Actions Measurable Goals and Measuring Effectiveness

#24. Wildlife Conservation Board Strategic Plan – Measurable Goals



Measurable Goals Workshop – July 26, 2017

- 21 persons attended in-person or on the phone
- 10 letters or emails received

#24. Wildlife Conservation Board Strategic Plan – Measurable Goals



Summary of Comments Received

- Emphasis on large blocks of habitat
- Use \$ or acreage as goals rather than # of projects
- Habitats and goals too broad – difficult to prioritize
- Sea Level Rise resilience

#24. Wildlife Conservation Board Strategic Plan – Measurable Goals



Summary of Comments Received (continued)

- Make materials and specific scoring criteria available
- How use of macrogroups or the SWAP unclear
- Evaluation of benefits to disadvantaged communities
- Goals not broad enough

#24. Wildlife Conservation Board Strategic Plan – Measurable Goals



Summary of Comments Received (continued)

- Detail Questions
 - Ecosystem Services
 - Applicant competence
 - Multiple Goals, and how evaluated
 - Use of CDFW's BIOS, VegCAMP and CNDDDB
 - Phasing for large projects
 - Questions on percentages

#24. Wildlife Conservation Board Strategic Plan – Measurable Goals



Measureable Goal 1, Biodiversity (Changes in Red)

50% of all projects accomplish one or more of following:

- Protect 3 or more macrogroups
- Directly benefit Species of Greatest Conservation Need
- Contain at least one rare vegetation habitat at Alliance level
- Support NCCP's

#24. Wildlife Conservation Board Strategic Plan – Measurable Goals



Measurable Goal 2, Climate Change Resiliency and Connectivity (Changes in Red)

50% of projects protect one or more of the following:

- Connect habitat totaling ~~25,000~~ 20,000 acres or more
- Protect area of 10,000 acres or more
- Directly benefit species vulnerable to climate change
- Protect habitats highly vulnerable to climate change
- Protect climate change refugia
- Protect land facets that support biodiversity
- Sea Level Rise Resilience

#24. Wildlife Conservation Board Strategic Plan – Measurable Goals



- Measurable Goal 3, 75% of projects protect priority macrogroups identified in SWAP
- Measurable Goal 4, 25% of projects protect working landscapes
- Measurable Goal 5, 50% of projects contain water dependent habitats

#24. Wildlife Conservation Board Strategic Plan – Measurable Goals



Measurable Goal 6, Provide compatible public access

Public access broadly defined, includes anything from regular guided tours to full access

- 50% of projects provide public access
- 25% of all projects provide public access that will benefit disadvantaged communities

#24. Wildlife Conservation Board Strategic Plan – Measurable Goals



Overarching Criteria:

Must satisfy at least one of above goals

Ecological values are identified in LAE/CAPP proposal form and can be ranked

Projects that provide multiple benefits rank higher

#24. Wildlife Conservation Board Strategic Plan – Measurable Goals



Recommended changes to the goals

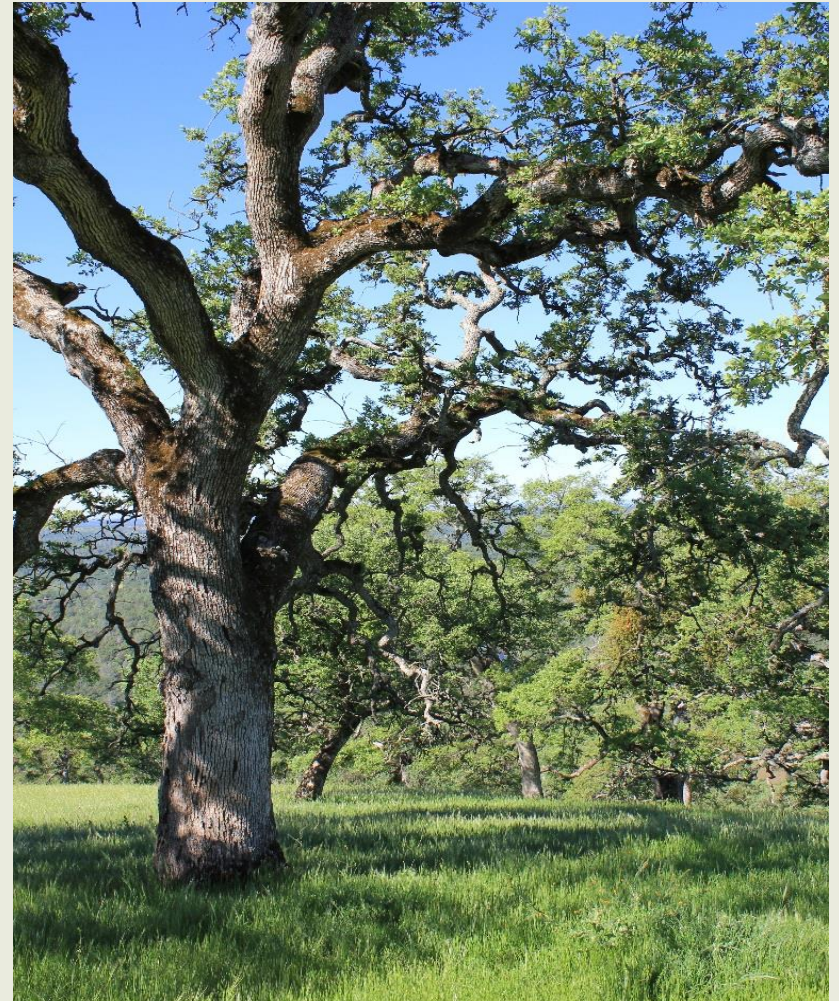
- Change Connectivity Acreage goal to 20,000 acres total
- Add “Support NCCPs” to Biodiversity goal
- Add “Provide for Sea Level Rise” to Climate Change goal
- Allow up to 10% of funding for projects of extraordinary ecological value that don't fit goals above

#24. Wildlife Conservation Board Strategic Plan – Measuring Effectiveness



Monitoring

- History
 - WCB's evolution of obligations and requirements



#24. Wildlife Conservation Board Strategic Plan – Measuring Effectiveness



Monitoring

- Where are we now?
 - Processes and Challenges



#24. Wildlife Conservation Board Strategic Plan – Measuring Effectiveness



Monitoring

3 Types of Monitoring

Compliance

Achievement

Scientific

#24. Wildlife Conservation Board Strategic Plan – Measuring Effectiveness



Monitoring

- Cost Effectiveness
 - Partnerships
 - Grantees
 - Agencies
 - Efficiencies
 - Training/Prioritization
 - Visitation Schedule



#24. Wildlife Conservation Board Strategic Plan – Measuring Effectiveness



Monitoring

■ Going Forward



Data Sharing

Technology

Monitoring Plan