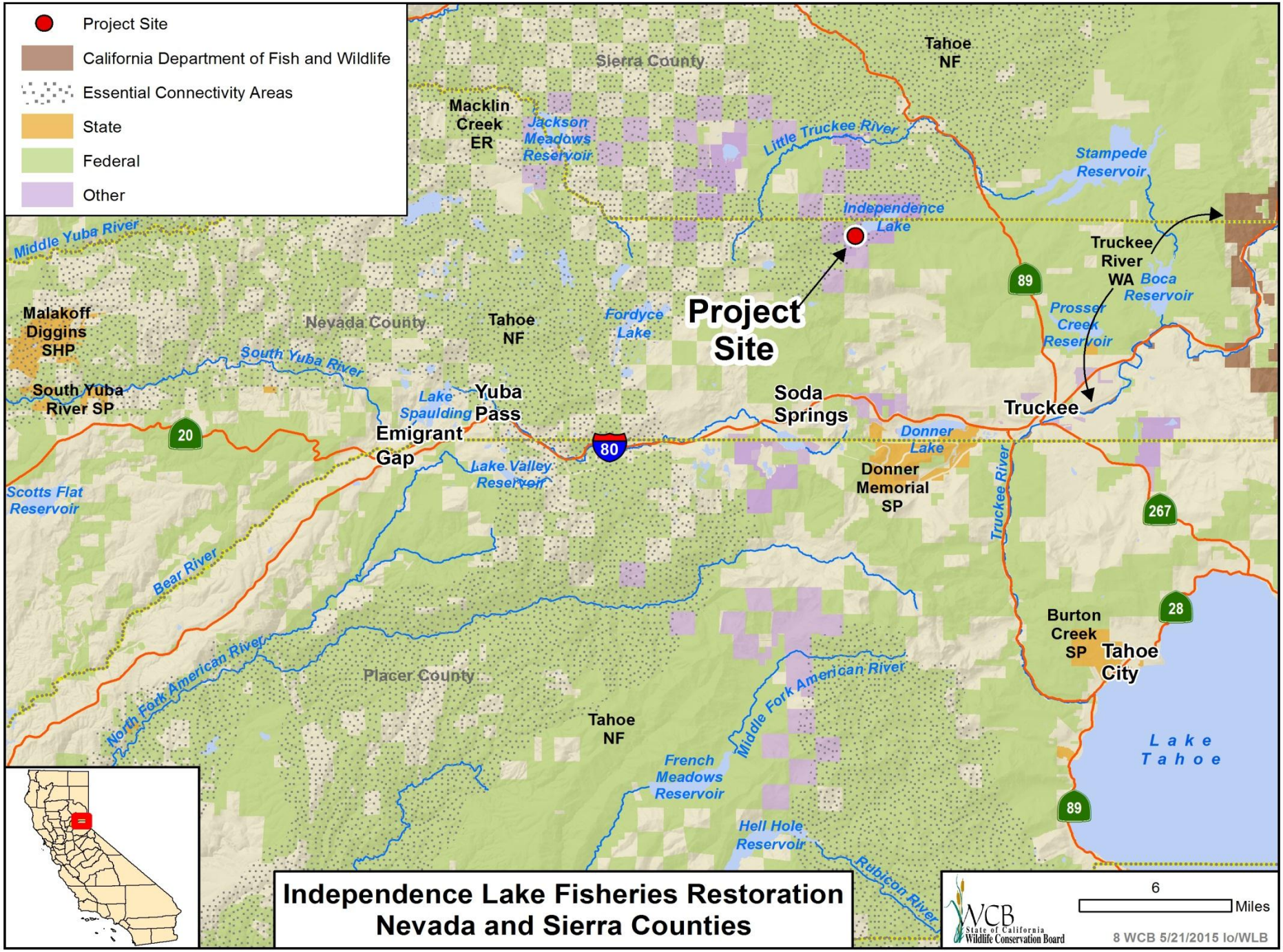

May 21, 2015, 9:00am
Wildlife Conservation Board Meeting
Natural Resources Agency Auditorium
1416 9th Street
Sacramento, California 95814

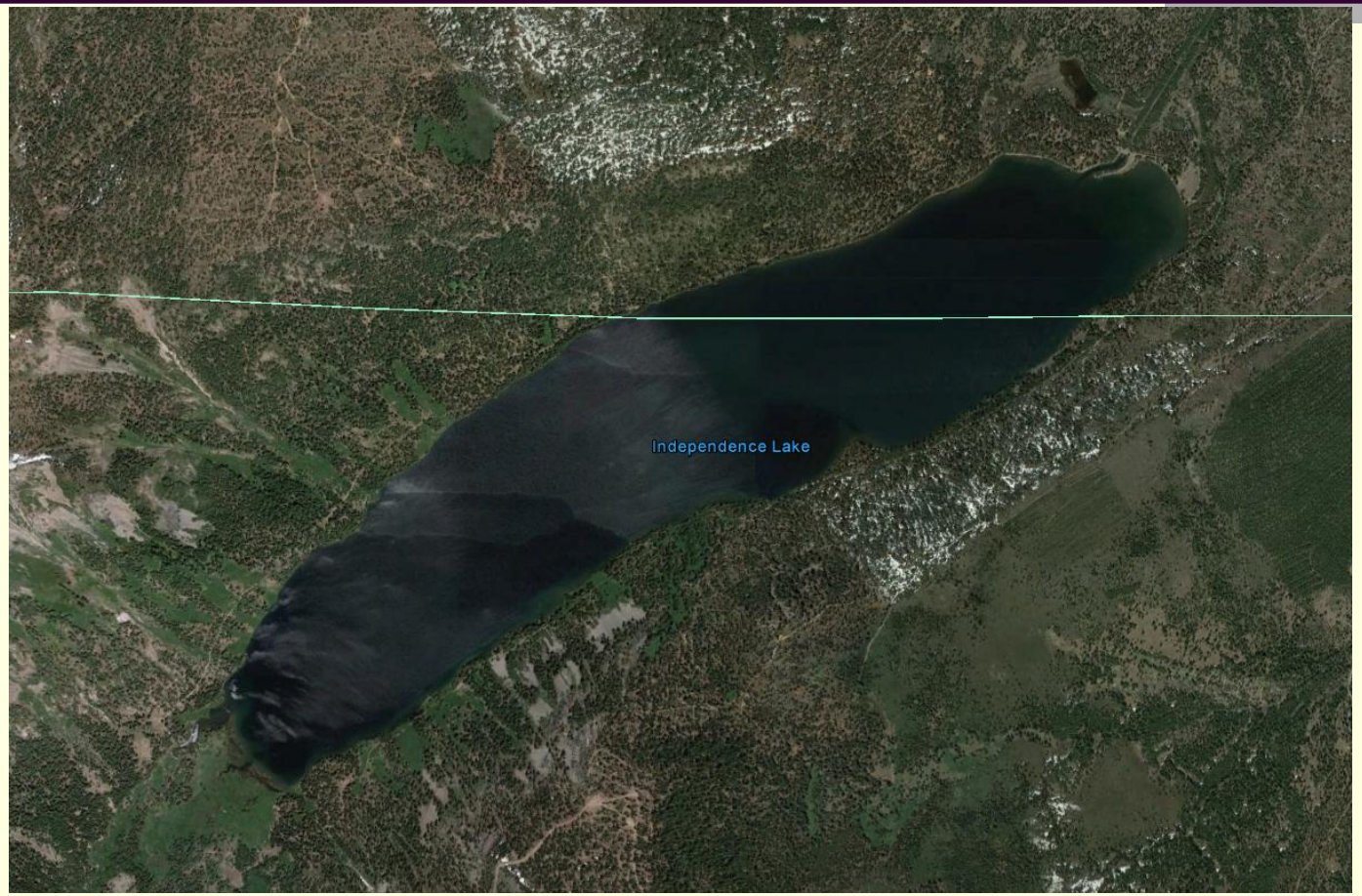
#7. Smithneck Creek Wildlife Area Land Exchange

- This Project was withdrawn from consideration at this time.



Independence Lake Fisheries Restoration
Nevada and Sierra Counties

#8. Independence Lake Fisheries Restoration



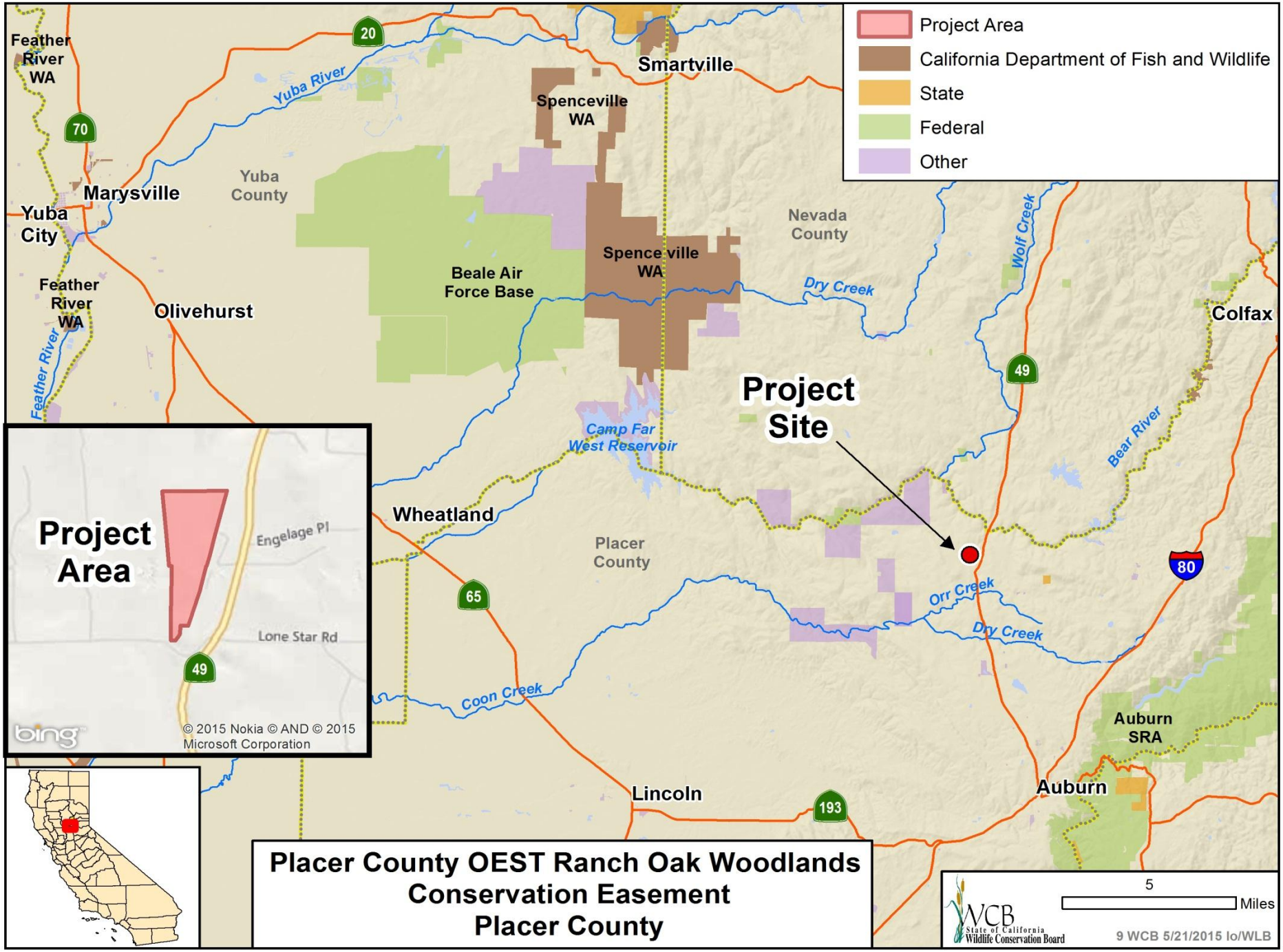
- Overview of Independence Lake

#8. Independence Lake Fisheries Restoration

- Upper Independence Creek weir utilized to capture Brook Trout and count Lahonton Cutthroat Trout

#8. Independence Lake Fisheries Restoration

- During active monitoring this box will have a pipe connected to the weir trapping fish.


Project Area
California Department of Fish and Wildlife
State
Federal
Other
Feather River WA
20
Yuba River
Smartville
Spenceville WA
70
Marysville
Yuba County
Yuba City
Nevada County
Wolf Creek
Spence ville WA
Beale Air Force Base
Dry Creek
Feather River WA
Olivehurst
Colfax
49
Project Site
Feather River
Camp Far West Reservoir
Bear River
Project Area
Engelage Pl
Wheatland
Placer County
80
Lone Star Rd
65
Orr Creek
Dry Creek
49
Coon Creek
Auburn SRA
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Lincoln
Auburn
193
Placer County OEST Ranch Oak Woodlands Conservation Easement
Placer County
5
Miles
WCB State of California Wildlife Conservation Board
9 WCB 5/21/2015 lo/WLB

#9. Placer County OEST Ranch Oak Woodlands Conservation Easement

- The property is described as being part of lower elevation foothill terrain with a ridgetop area that extends along most of the eastern portion of the site

#9. Placer County OEST Ranch Oak Woodlands Conservation Easement

- The Oest Ranch Conservation Easement conserves approximately 20 acres of oak woodlands (55% of the Easement area)

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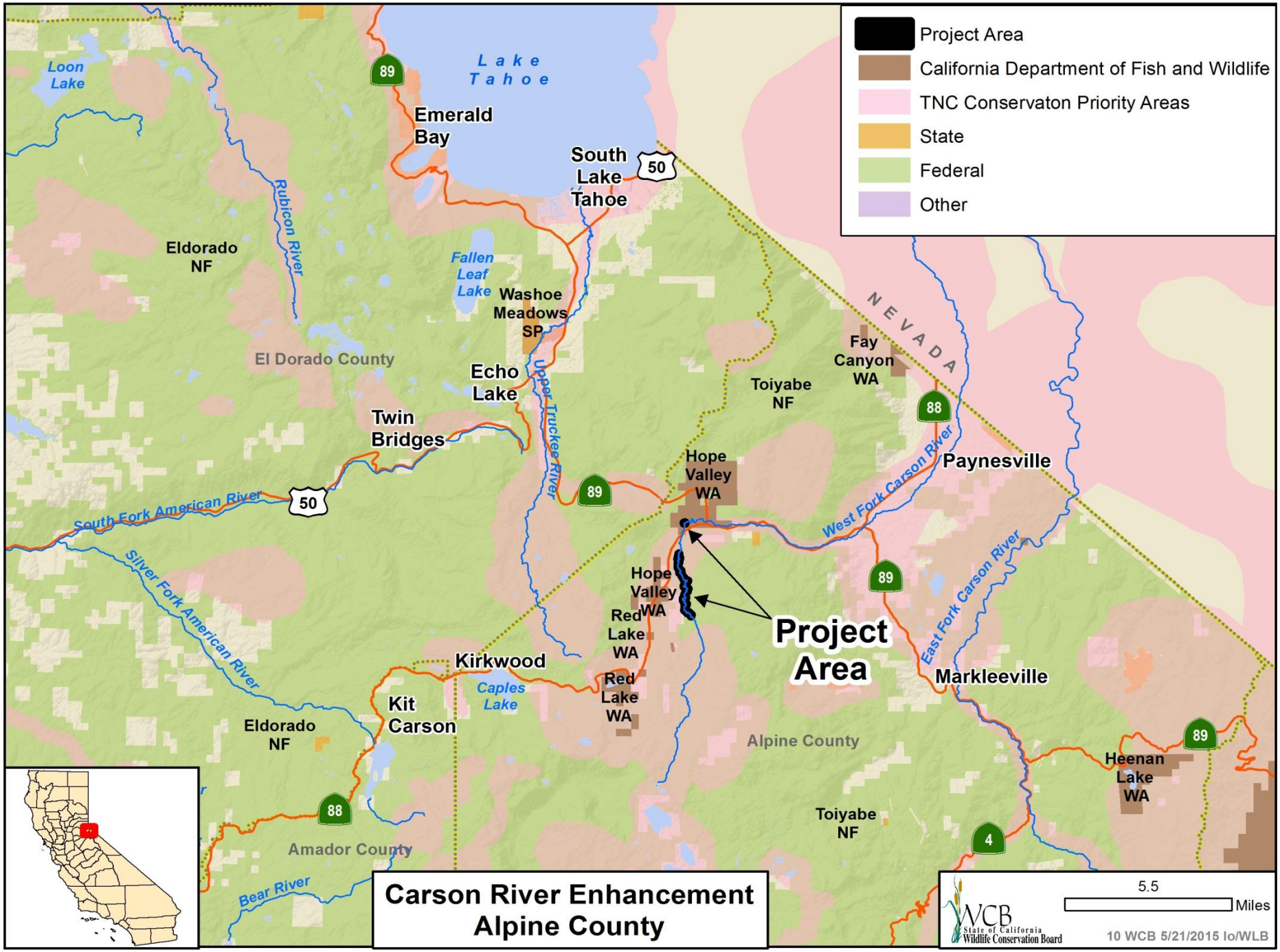
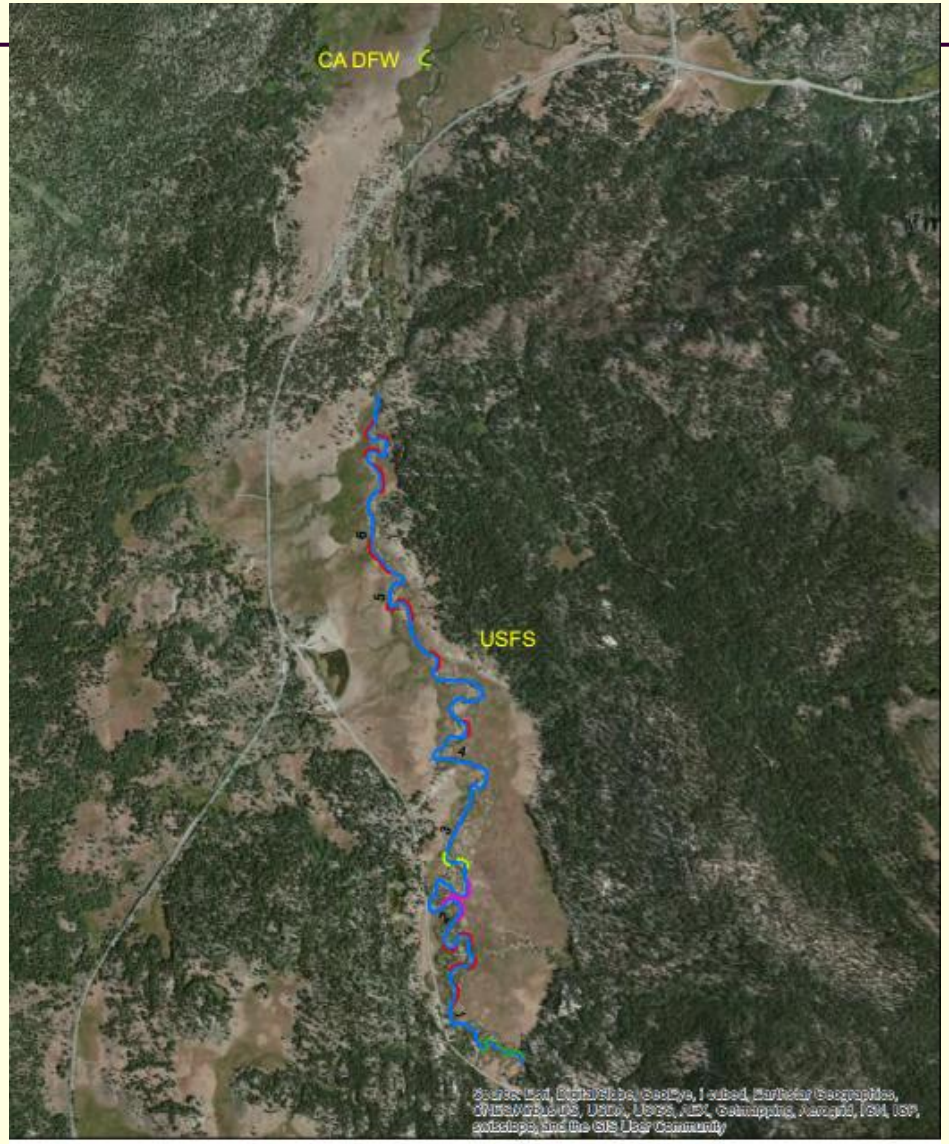
- The Oest Ranch Conservation Easement conserves approximately 20 acres of oak woodlands (55% of the Easement area)

#9. Placer County OEST Ranch Oak Woodlands Conservation Easement

- Property owner Daryl Oest


Project Area
California Department of Fish and Wildlife
TNC Conservaton Priority Areas
State
Federal
Other
Loon Lake
Lake Tahoe
Emerald Bay
South Lake Tahoe
50
89
Rubicon River
Eldorado NF
Fallen Leaf Lake
Washoe Meadows SP
El Dorado County
Echo Lake
Upper Truckee River
Twin Bridges
South Fork American River
Silver Fork American River
Hope Valley WA
Toiyabe NF
Fay Canyon WA
NEVADA
88
Paynesville
West Fork Carson River
East Fork Carson River
Project Area
Red Lake WA
Kirkwood
Caples Lake
Kit Carson
Markleeville
Alpine County
Heenan Lake WA
Amador County
Bear River
4
Carson River Enhancement
Alpine County
5.5
Miles
WCB State of California Wildlife Conservation Board
10 WCB 5/21/2015 lo/WLB

#10. Carson River Enhancement



- Aerial view of area at high risk of erosion

#10. Carson River Enhancement

- Overview of Hope Valley

#10. Carson River Enhancement

- Bank with high erosion

#10. Carson River Enhancement

- A large event could cut through the banks leaving a large area of the meadow dry

#10. Carson River Enhancement

- Beaver Dam

#10. Carson River Enhancement

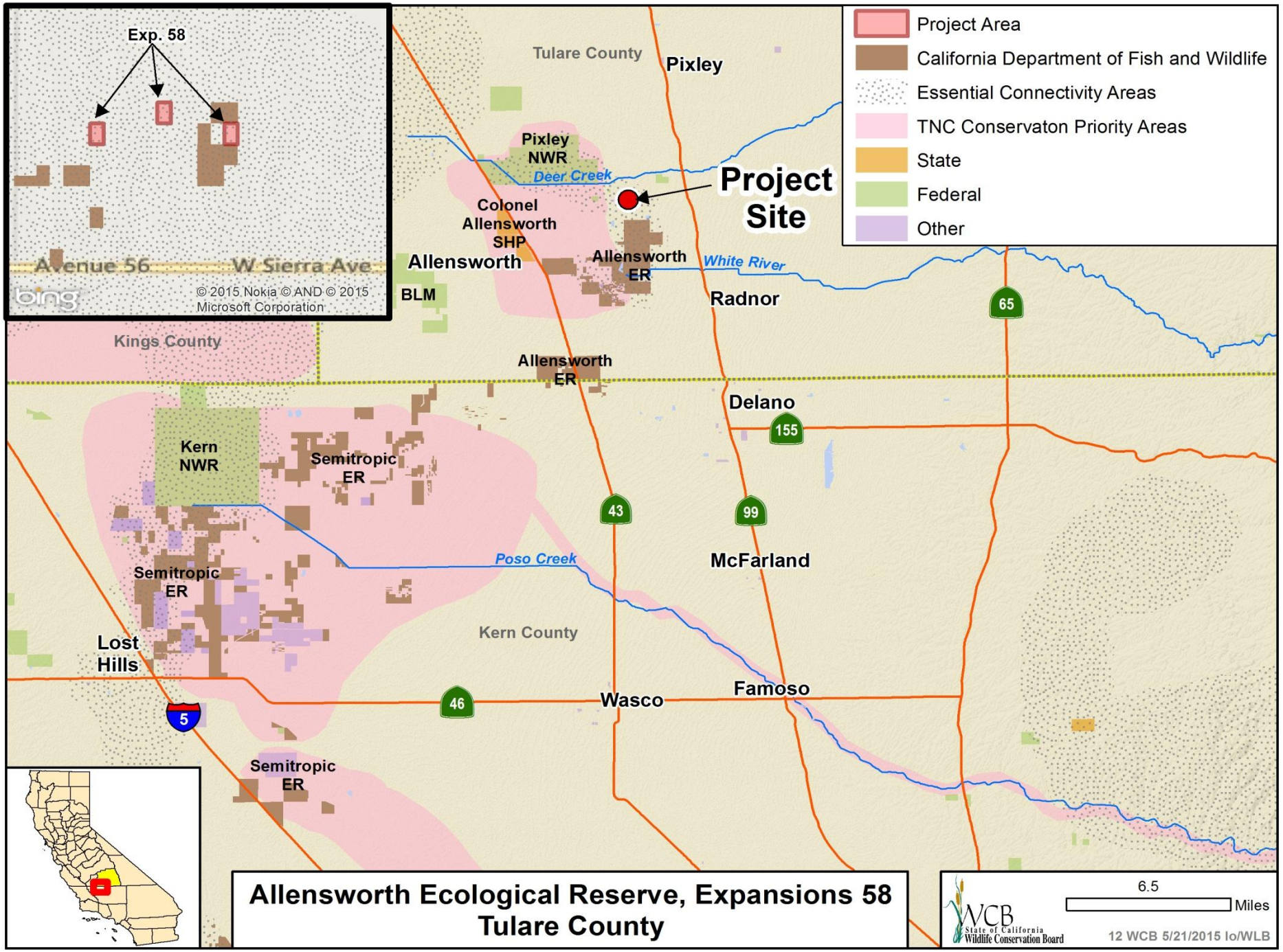
- High erosion bank that would benefit from bank stabilization

#10. Carson River Enhancement

- Former bank stabilization project on CDFW land with established willows

#11. Maxwell Conservation Easement Transfer

- This Project was withdrawn from consideration at this time.


Exp. 58
Avenue 56
W Sierra Ave
bing
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Project Area
California Department of Fish and Wildlife
Essential Connectivity Areas
TNC Conservaton Priority Areas
State
Federal
Other
Tulare County
Pixley
Pixley NWR
Deer Creek
Project Site
Colonel Allensworth SHP
Allensworth
Allensworth ER
White River
BLM
Radnor
65
Kings County
Allensworth ER
Delano
155
Kern NWR
Semitropic ER
43
99
Poso Creek
McFarland
Semitropic ER
Kern County
Lost Hills
46
Wasco
Famoso
5
Semitropic ER
Allensworth Ecological Reserve, Expansions 58
Tulare County
6.5
Miles
WCB State of California Wildlife Conservation Board
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#12. Allensworth Ecological Reserve, Expansion 58

- San Joaquin kit fox

#12. Allensworth Ecological Reserve, Expansion 58

- Tipton Kangaroo Rat

#12. Allensworth Ecological Reserve, Expansion 58

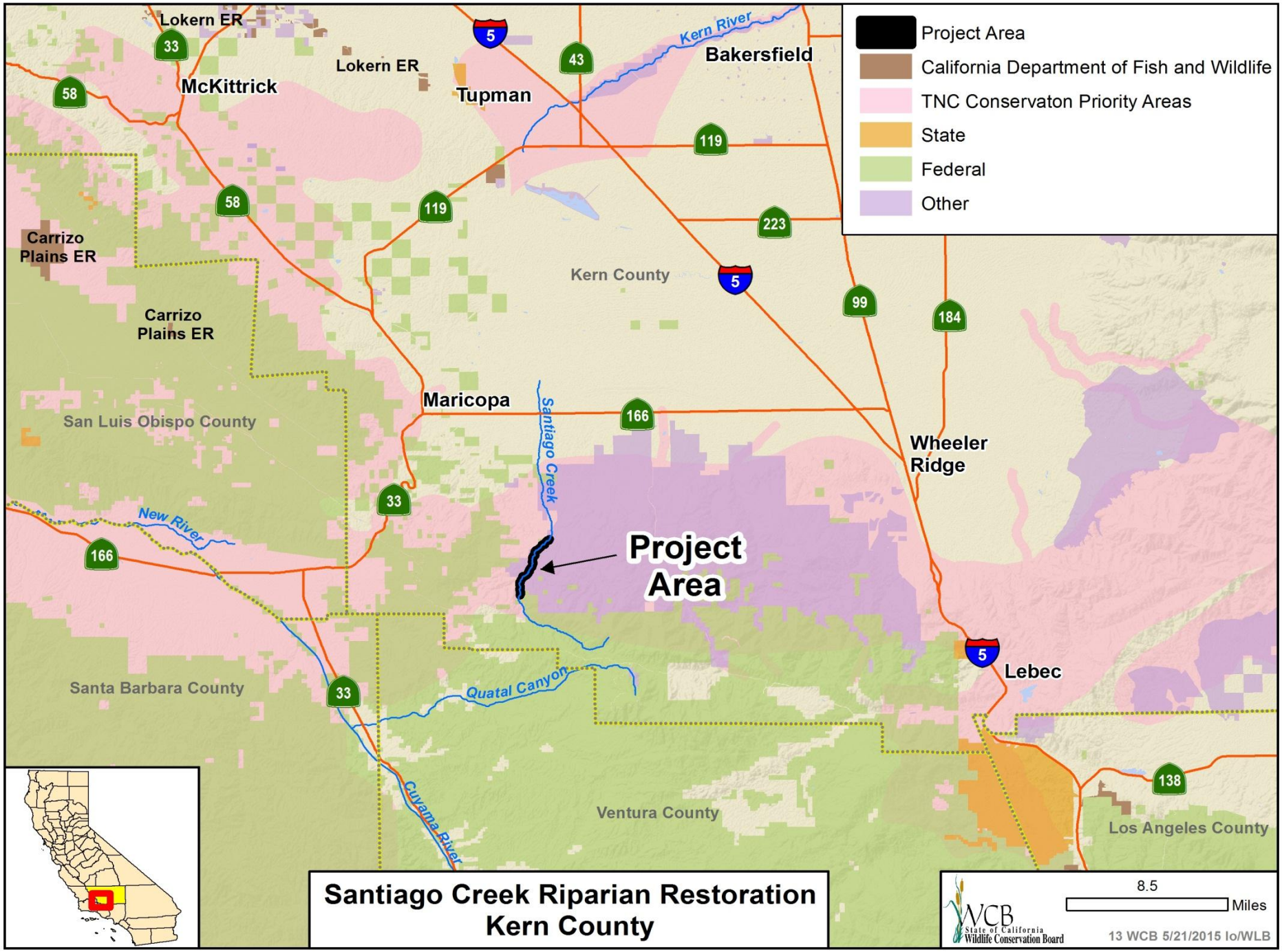
- Blunt-Nosed Leopard Lizard

#12. Allensworth Ecological Reserve, Expansion 58

- View looking south

#12. Allensworth Ecological Reserve, Expansion 58

- View looking west


Project Area
California Department of Fish and Wildlife
TNC Conservaton Priority Areas
State
Federal
Other
Lokern ER
Lokern ER
McKittrick
Tupman
Bakersfield
Kern River
Carrizo Plains ER
Carrizo Plains ER
Kern County
San Luis Obispo County
Maricopa
Santiago Creek
Wheeler Ridge
New River
Project Area
Lebec
Santa Barbara County
Quatal Canyon
Cuyama River
Ventura County
Los Angeles County
Santiago Creek Riparian Restoration
Kern County
8.5
Miles
WCB
State of California
Wildlife Conservation Board
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#13. Santiago Creek Riparian Restoration

- Santiago Creek

#13. Santiago Creek Riparian Restoration

- Distant view of dense infestation of Tamarisk along Santiago Creek

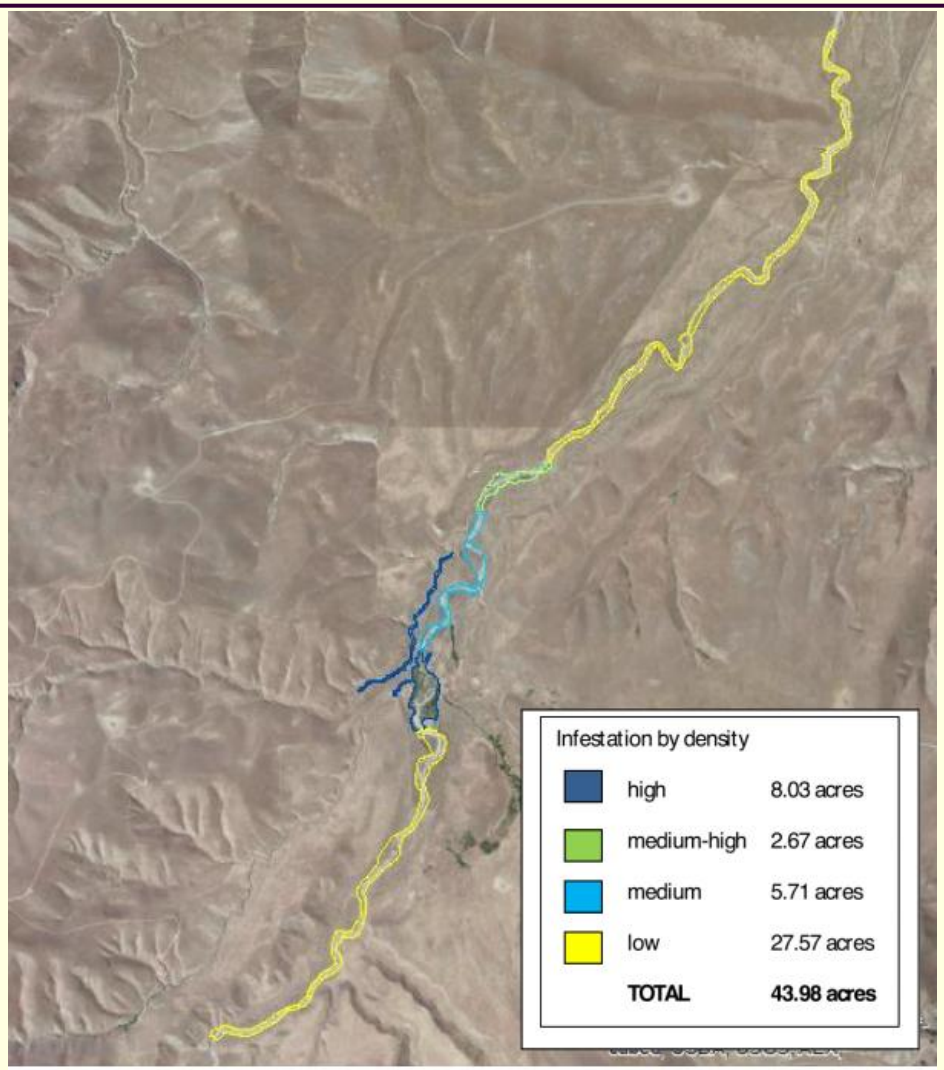
#13. Santiago Creek Riparian Restoration

- Dense stands of newly established tamarisk saplings cover recently disturbed areas of loose sandy soil in the Santiago Creek wash. Mature tamarisks are shown growing along the perimeter

#13. Santiago Creek Riparian Restoration

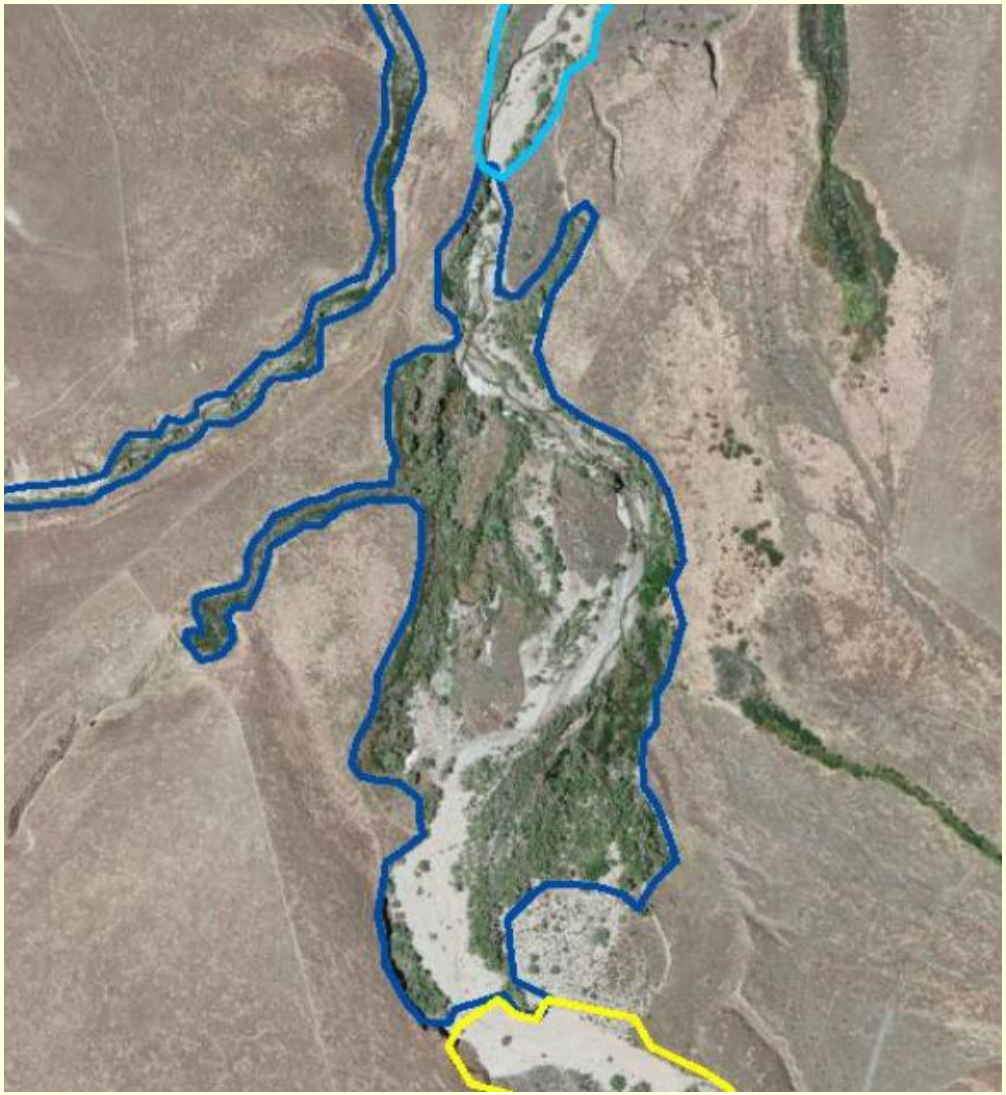
- Three years ago, a tamarisk removal project was carried out in a section of Santiago Creek. Out of the over 1,000 stumps shown here, fewer than 40 re-spouted.

#13. Santiago Creek Riparian Restoration

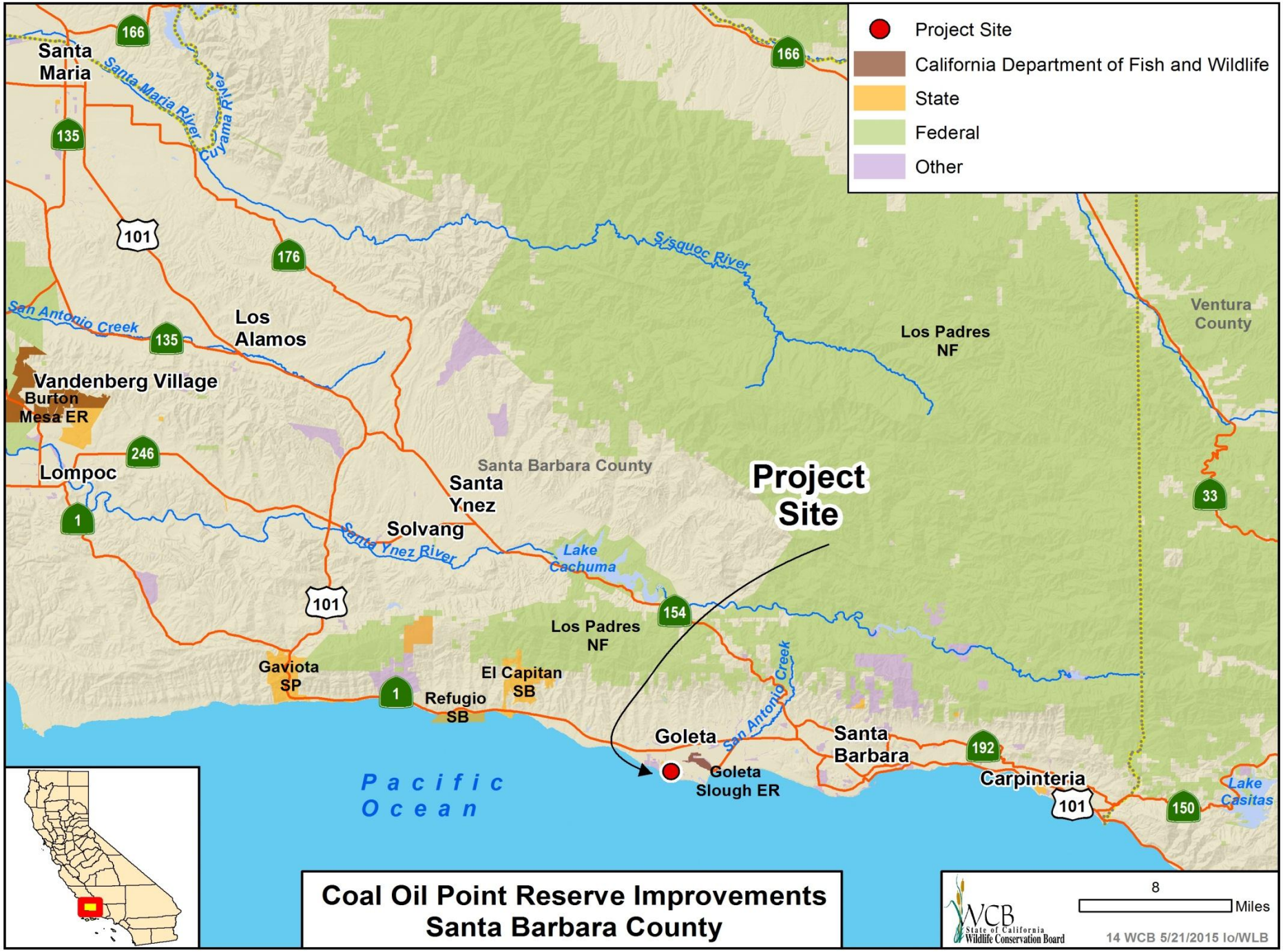


- This is an aerial view of entire project area on Wind Wolves preserve currently infested with tamarisk

#13. Santiago Creek Riparian Restoration



- This is an aerial image of the high density tamarisk infestation on the Santiago Creek wash


Project Site
California Department of Fish and Wildlife
State
Federal
Other
Santa Maria
Santa Maria River
Cuyama River
Sisquoc River
San Antonio Creek
Los Alamos
Vandenberg Village
Burton Mesa ER
Lompoc
Santa Ynez
Solvang
Santa Ynez River
Lake Cachuma
Santa Barbara County
Project Site
Los Padres NF
Ventura County
Gaviota SP
El Capitan SB
Refugio SB
Goleta
Goleta Slough ER
San Antonio Creek
Santa Barbara
Carpinteria
Lake Casitas
Pacific Ocean
166
135
101
176
246
1
154
192
150
33
Coal Oil Point Reserve Improvements
Santa Barbara County
WCB State of California Wildlife Conservation Board
8
Miles
14 WCB 5/21/2015 lo/WLB

#14. Coal Oil Point Reserve Improvements

- Future Coal Oil Point Reserve headquarters

#14. Coal Oil Point Reserve Improvements

- Kitchen area to be remodeled

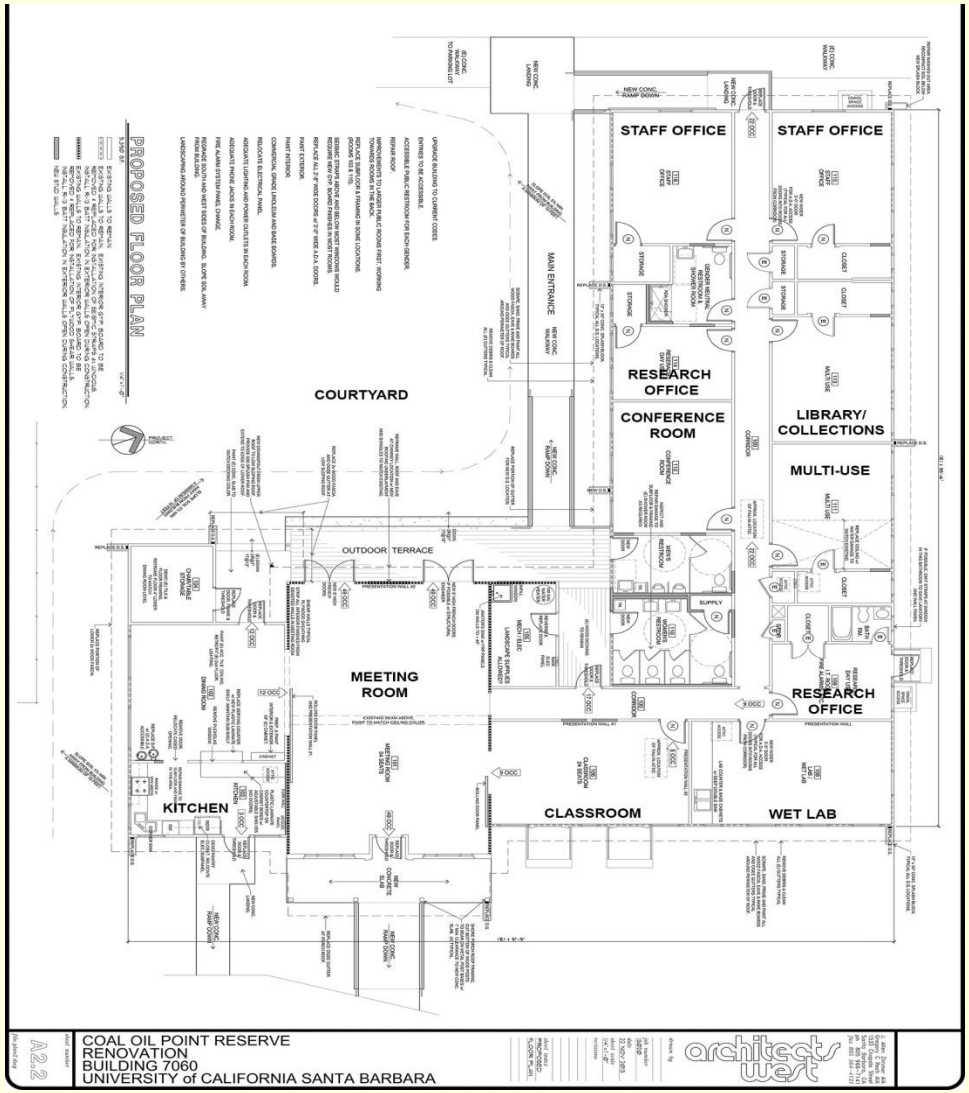
#14. Coal Oil Point Reserve Improvements

- Future classroom

#14. Coal Oil Point Reserve Improvements

- Bathroom and showers to be remodeled

#14. Coal Oil Point Reserve Improvements



- Intended Floor Plan of future headquarters

#14. Coal Oil Point Reserve Improvements

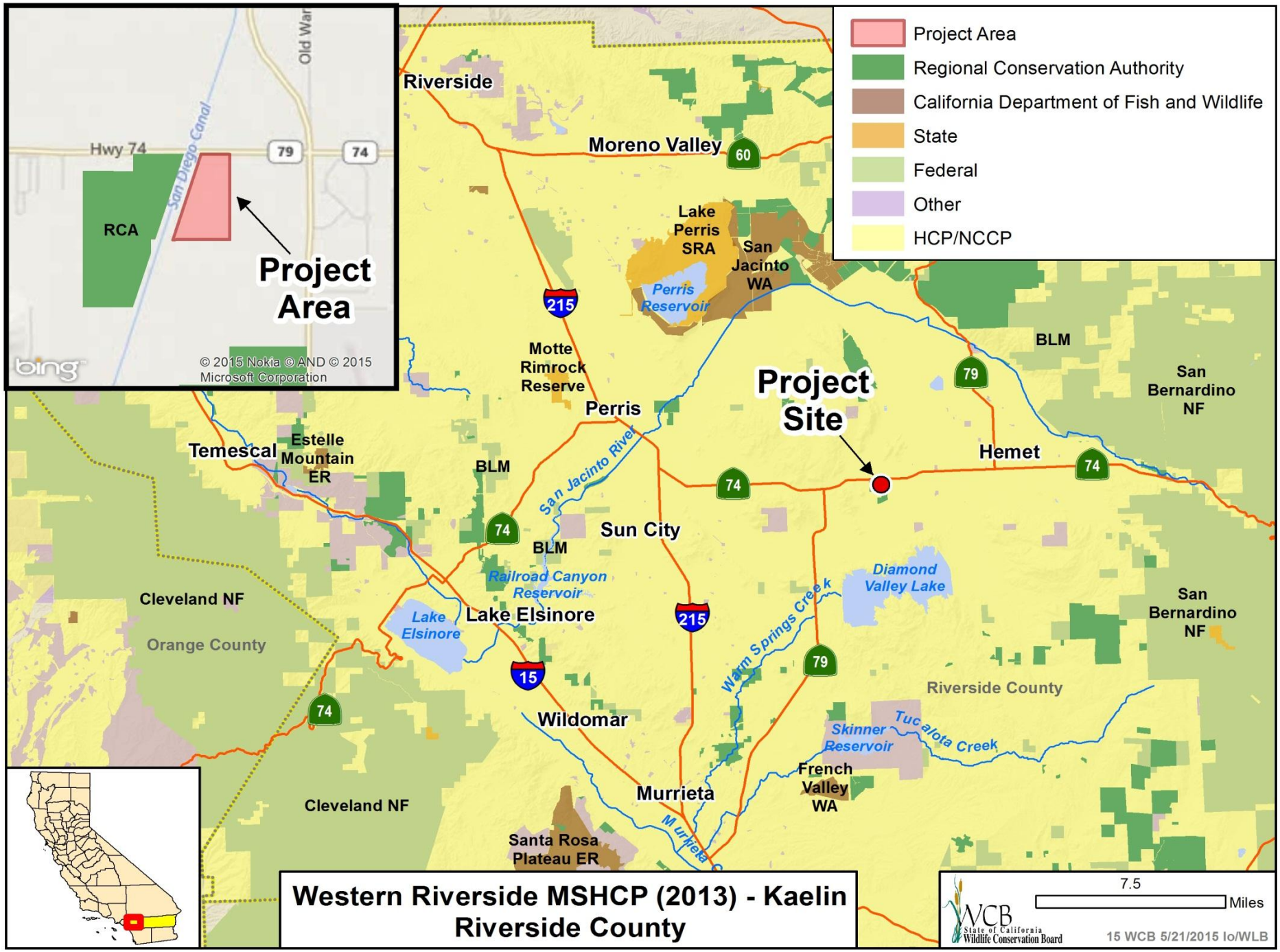
- New crossing for Devereux Creek, which replaced the old culvert that funneled the creek into the Devereux Slough completed during Phase 1

#14. Coal Oil Point Reserve Improvements

- Old Shed (left) demolished and replaced with storage shed (right)

#14. Coal Oil Point Reserve Improvements

- Old shed (left) replaced with workshop (right) during Phase 1


Project Area
Regional Conservation Authority
California Department of Fish and Wildlife
State
Federal
Other
HCP/NCCP
Project Area
RCA
Hwy 74
79
74
San Diego Canal
Old War
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bing
Riverside
Moreno Valley
60
Lake Perris SRA
San Jacinto WA
Perris Reservoir
215
Motte Rimrock Reserve
Perris
Project Site
BLM
79
San Bernardino NF
Hemet
74
Temescal
Estelle Mountain ER
BLM
San Jacinto River
74
74
Sun City
BLM
Railroad Canyon Reservoir
Diamond Valley Lake
Cleveland NF
Lake Elsinore
Lake Elsinore
215
Warm Springs Creek
San Bernardino NF
Orange County
15
79
Riverside County
74
Wildomar
Skinner Reservoir
Tucalota Creek
French Valley WA
Murrieta
Murrieta Creek
Cleveland NF
Santa Rosa Plateau ER
Western Riverside MSHCP (2013) - Kaelin
Riverside County
7.5
Miles
WCB State of California Wildlife Conservation Board
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#15. Western Riverside MSHCP (2013) - Kaelin

- Photo on looking subject property from Warren Road

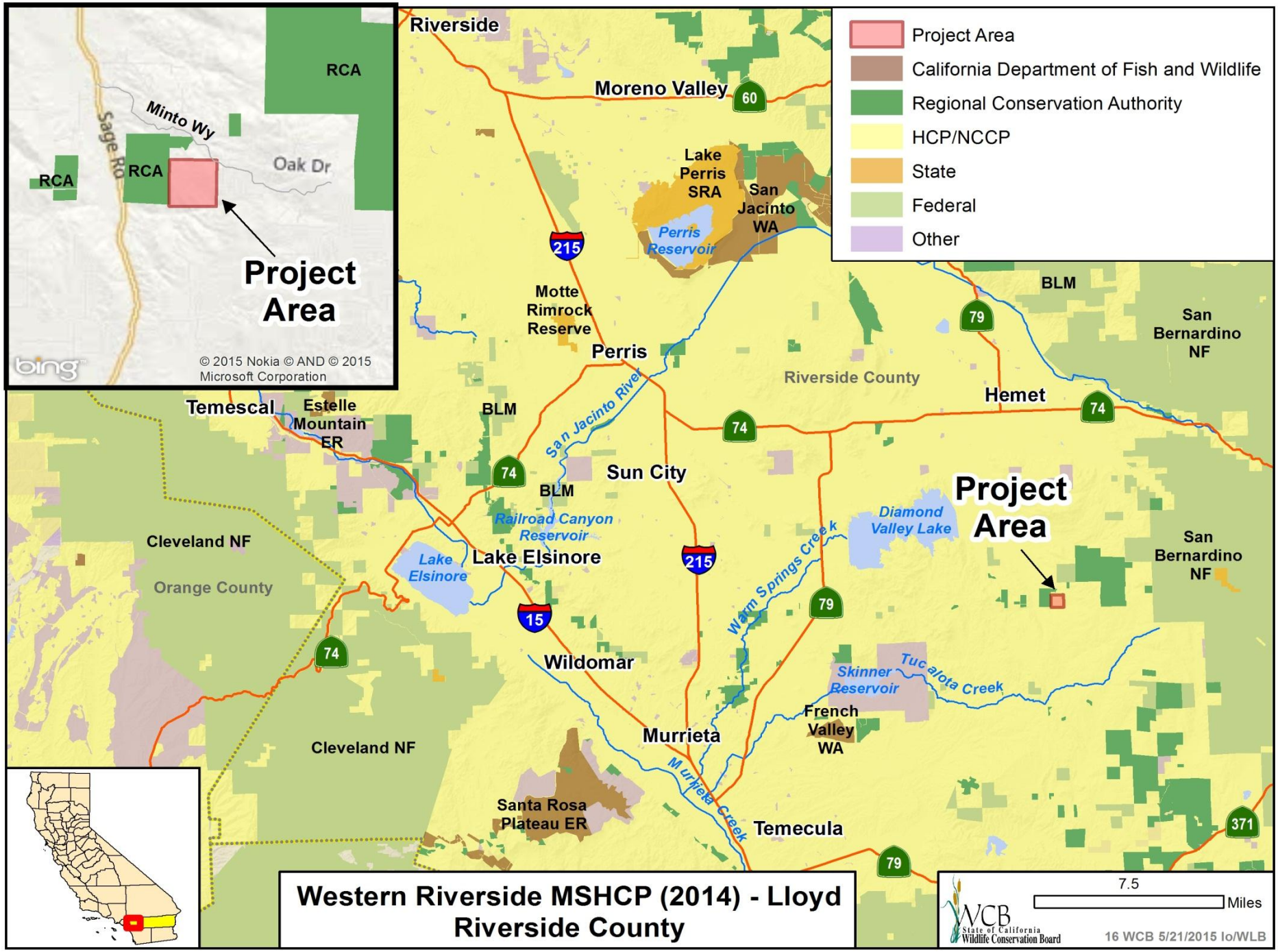
#15. Western Riverside MSHCP (2013) - Kaelin

#15. Western Riverside MSHCP (2013) - Kaelin

- The surrounding neighborhood is comprised of a mixture of vacant unimproved properties mixed with major commercial development that includes a large auto mall located adjacent to the Property

#15. Western Riverside MSHCP (2013) - Kaelin

- View of the Kaelin property line as viewed from Warren Road


Project Area
California Department of Fish and Wildlife
Regional Conservation Authority
HCP/NCCP
State
Federal
Other
RCA
Minto Wy
Sage Rd
RCA
RCA
Oak Dr
Project Area
© 2015 Nokia © AND © 2015 Microsoft Corporation
bing
Riverside
Moreno Valley
60
Lake Perris SRA
San Jacinto WA
Perris Reservoir
215
Motte Rimrock Reserve
Perris
BLM
79
San Bernardino NF
Riverside County
Hemet
74
Temescal
Estelle Mountain ER
BLM
San Jacinto River
74
74
Sun City
BLM
Railroad Canyon Reservoir
Project Area
Diamond Valley Lake
Cleveland NF
Lake Elsinore
Lake Elsinore
215
Warm Springs Creek
79
San Bernardino NF
Orange County
15
74
Wildomar
Skinner Reservoir
Tucalota Creek
French Valley WA
Murrieta
Cleveland NF
Murrieta Creek
Santa Rosa Plateau ER
Temecula
371
79
Western Riverside MSHCP (2014) - Lloyd
Riverside County
7.5
Miles
WCB State of California Wildlife Conservation Board
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#16. Western Riverside MSHCP (2014) - Lloyd

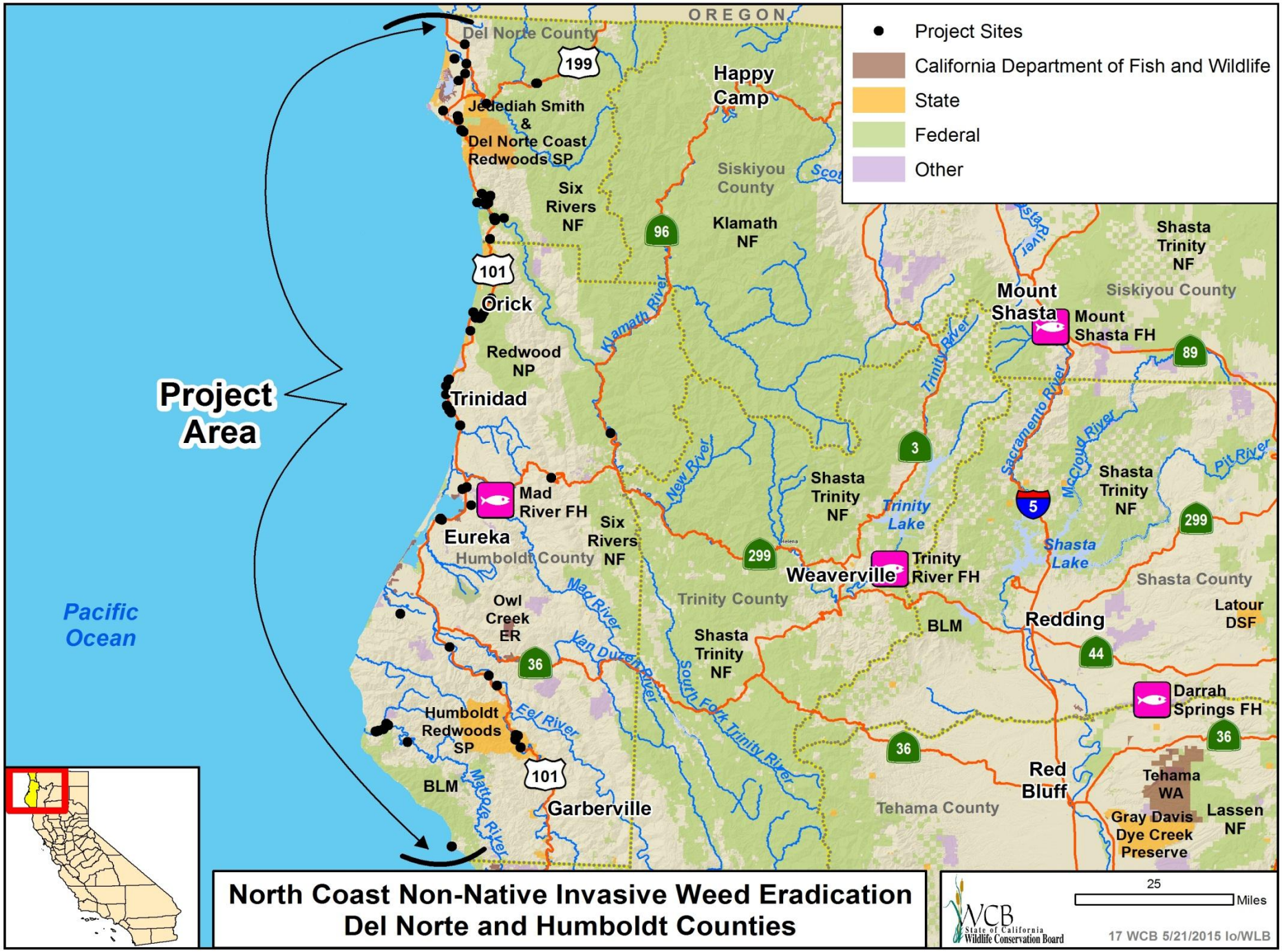
- The Lloyd Property is located in an area known as the Eastern Foothills, which extends from Cactus Valley & continues north across Bautista Canyon and the San Jacinto River.

#16. Western Riverside MSHCP (2014) - Lloyd

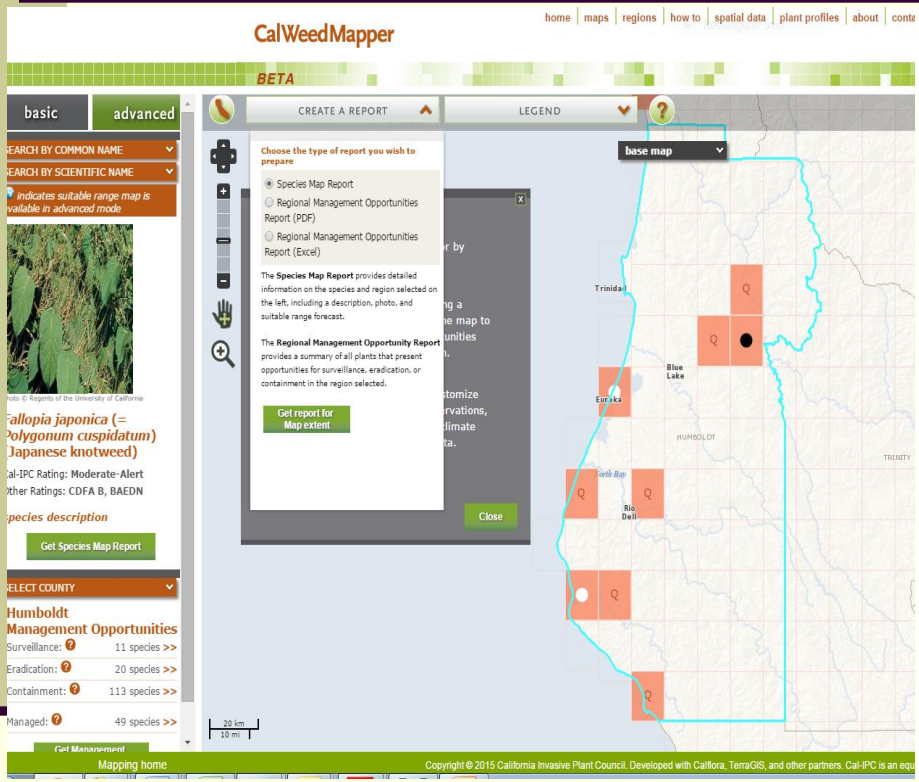
- View of the northeast corner of the property

#16. Western Riverside MSHCP (2014) - Lloyd

- Properties such as the Lloyd Property, are being acquired for their vegetation habitat comprised of coastal sage scrub, alluvial fan scrub, riparian woodland & Grasslands that support rare plants and animals.


Project Sites
California Department of Fish and Wildlife
State
Federal
Other
OREGON
Del Norte County
199
Happy Camp
Jedediah Smith & Del Norte Coast Redwoods SP
Siskiyou County
Six Rivers NF
96
Klamath NF
101
Orick
Redwood NP
Trinidad
Project Area
Pacific Ocean
Klamath River
Shasta Trinity NF
Mount Shasta
Mount Shasta FH
Siskiyou County
89
Trinity River
Sacramento River
McCloud River
Pit River
3
New River
Shasta Trinity NF
Trinity Lake
5
Shasta Lake
299
Mad River FH
Eureka
Six Rivers NF
Humboldt County
Weaverville
Trinity River FH
Shasta County
Owl Creek ER
Mad River
Trinity County
Redding
BLM
Latour DSF
Van Duzen River
South Fork Trinity River
Shasta Trinity NF
44
36
Darrah Springs FH
Humboldt Redwoods SP
Eel River
Red Bluff
Tehama WA
Tehama County
Gray Davis Dye Creek Preserve
Lassen NF
BLM
Mattole River
Garberville
North Coast Non-Native Invasive Weed Eradication
Del Norte and Humboldt Counties
25
Miles
WCB State of California Wildlife Conservation Board
17 WCB 5/21/2015 lo/WLB

#17. North Coast Non-native Invasive Weed Eradication



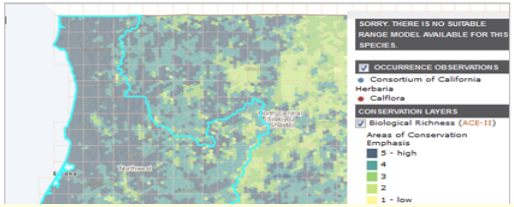
ERADICATION WORKPLAN FOR NORTHWEST – 2013

Regional stakeholders determined that the species listed below are eradicable from the Northwest region (Humboldt and Del Norte counties) within five years. This document describes the proposed management and cost necessary for eradication of these species. Send questions to mapping@cal-ipc.org or call 510-843-3902.

	SPECIES	COMMON NAME	LINK TO MAP
1	*Fallopia japonica* (= *Polygonum cuspidatum*)	Japanese knotweed	CalWeedMapper: Fallopia japonica (= Polygonum cuspidatum)
2	*Fallopia sachalinensis* (= *Polygonum sachalinense*)	Sakhalin knotweed	CalWeedMapper: Fallopia sachalinensis (= Polygonum sachalinense)
3	*Periscaria wallichii* (= *Polygonum polystachyum*)	Himalayan knotweed	Calflora: Persicaria wallichii (= Polygonum polystachyum)
4	*Arundo donax*	giant reed	CalWeedMapper: Arundo donax
5	*Lythrum salicaria*	purple loosestrife	CalWeedMapper: Lythrum salicaria
6	*Tamarix ramosissima*	saltcedar, tamarisk	CalWeedMapper: Tamarix ramosissima
7	*Euphorbia virgata* (= *Euphorbia esula*)	leafy spurge	CalWeedMapper: Euphorbia virgata (= Euphorbia esula)
8	*Chondrilla juncea*	rush skeletonweed	CalWeedMapper: Chondrilla juncea
9?	*Euphorbia oblongata*	oblong spurge	CalWeedMapper: Euphorbia oblongata
10?	*Geranium lucidum* (a new addition?)	shiny geranium	Calflora: Geranium lucidum

I. PRIORITY TARGETS. Each species is described by total number of sites, treatment type, total acreage (or total number of plants if small), cost per acre to treat, total cost per year, # of years to eradicate:, and # of years to monitor. The intent is to have these species generally mapped by quad in CalWeedMapper and to have each occurrence mapped in Calflora (as a point, line or polygon). If detected in new areas, the species should be mapped and targeted for eradication. Regional partners will mobilize to respond rapidly and remove it.

II. REGIONAL AREAS OF CONSERVATION EMPHASIS: These represent areas of high "biological richness" within the region, defined by biodiversity, rarity, irreplaceability and presence of sensitive habitats.



- Invasive species planning tools, Regional plans

#17. North Coast Non-native Invasive Weed Eradication


Photo courtesy Carri Pirosko, Oregon Dept of Agriculture


Photo courtesy Friends of the Eel River

- Rush skeletonweed and Giant reed

#17. North Coast Non-native Invasive Weed Eradication

- Shiny geranium, Humboldt County

#17. North Coast Non-native Invasive Weed Eradication

- Knotweed thicket - understory

#17. North Coast Non-native Invasive Weed Eradication

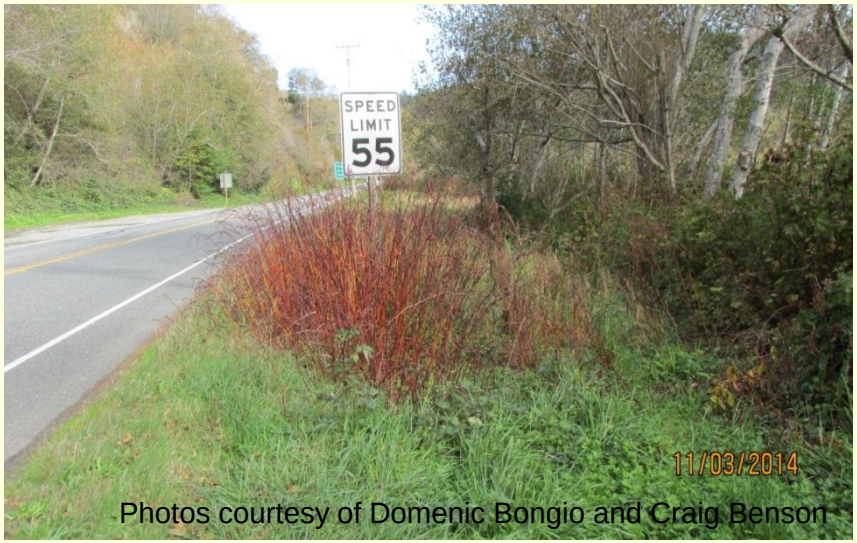
- Knotweed near Patrick's Point State Park; before and during treatment

#17. North Coast Non-native Invasive Weed Eradication

Washington State sites:

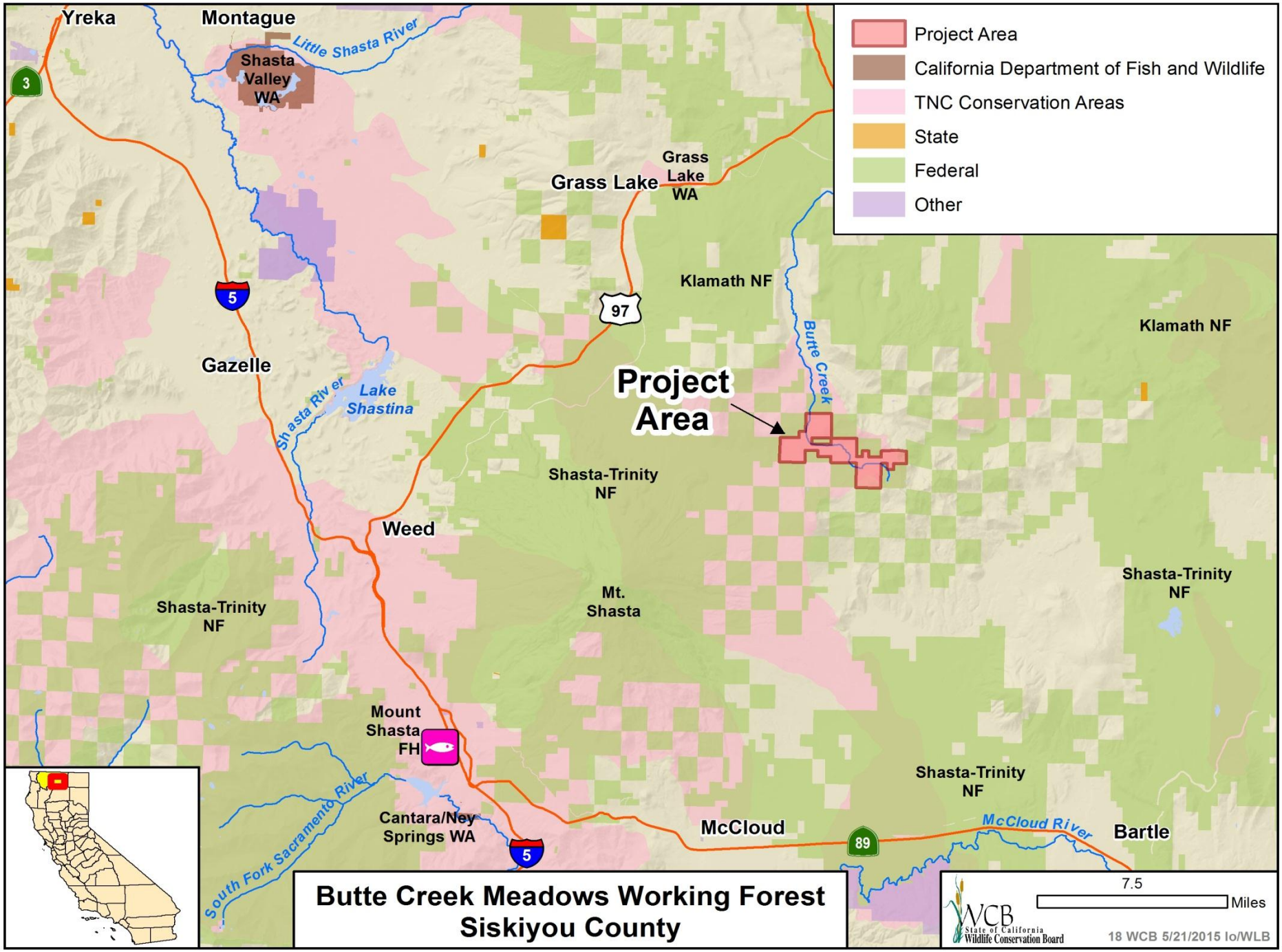
- 2004 before treatment, showing knotweed infestation
- 2006 after treatment, showing willow on sandbar

#17. North Coast Non-native Invasive Weed Eradication



Photos courtesy of Domenic Bongio and Craig Benson

- Knotweed: before and after herbicide treatment


Yreka
Montague
Little Shasta River
Shasta Valley WA
Grass Lake
Grass Lake WA
Project Area
California Department of Fish and Wildlife
TNC Conservation Areas
State
Federal
Other
3
5
97
Klamath NF
Gazelle
Shasta River
Lake Shastina
Butte Creek
Project Area
Shasta-Trinity NF
Weed
Mt. Shasta
Mount Shasta FH
Cantara/Ney Springs WA
South Fork Sacramento River
McCloud
McCloud River
89
Bartle
7.5
Miles
WCB State of California Wildlife Conservation Board
18 WCB 5/21/2015 lo/WLB
Butte Creek Meadows Working Forest
Siskiyou County

#18. Butte Creek Meadows Working Forest

- A working forest conservation easement will prevent break up or development of the ranch.

#18. Butte Creek Meadows Working Forest

Photo courtesy of Pacific Forest Trust

- The property is being managed to reduce fire risk and restore the extent of the meadows from encroaching lodge pole pine.

#18. Butte Creek Meadows Working Forest

- Property is located near the northeastern slope of Mt. Shasta.

#18. Butte Creek Meadows Working Forest

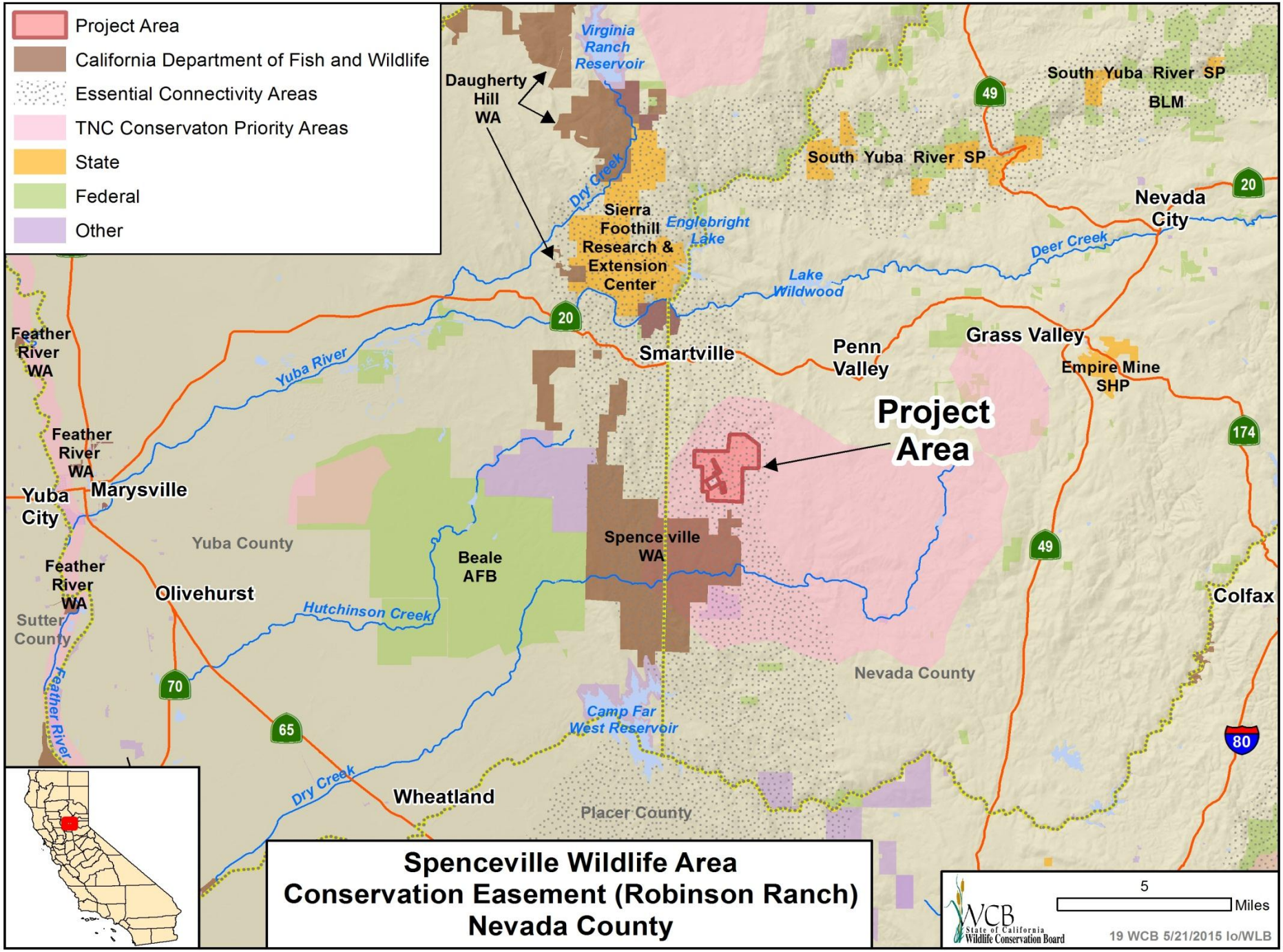
Photo courtesy of Pacific Forest Trust

#18. Butte Creek Meadows Working Forest

- Butte Creek Ranch provides water flows important for drinking and agriculture, as well as for endangered salmon.

#18. Butte Creek Meadows Working Forest

- With a mosaic of vegetation types, rare habitat elements, and water resources, wildlife is abundant on Butte Creek Ranch.


Project Area
California Department of Fish and Wildlife
Essential Connectivity Areas
TNC Conservaton Priority Areas
State
Federal
Other
Virginia Ranch Reservoir
Daugherty Hill WA
Dry Creek
Sierra Foothill Research & Extension Center
Englebright Lake
South Yuba River SP
South Yuba River SP BLM
49
20
Nevada City
Deer Creek
Lake Wildwood
Feather River WA
Yuba River
Smartville
Penn Valley
Grass Valley
Empire Mine SHP
Project Area
174
Marysville
Yuba City
Yuba County
Spenceville WA
Beale AFB
Olivehurst
Hutchinson Creek
Sutter County
Colfax
Nevada County
70
65
Camp Far West Reservoir
80
Wheatland
Placer County
Spenceville Wildlife Area
Conservation Easement (Robinson Ranch)
Nevada County
5
Miles
WCB State of California Wildlife Conservation Board
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#19. Spenceville Wildlife Area, Conservation Easement (Robinson Ranch)

- View of rolling topography of Robinson Ranch Property containing extensive oak woodlands

#19. Spenceville Wildlife Area, Conservation Easement (Robinson Ranch)

- View of water feature on Robinson Ranch site

#19. Spenceville Wildlife Area, Conservation Easement (Robinson Ranch)

- The Robinson Clan (photo courtesy of the Robinson Family)

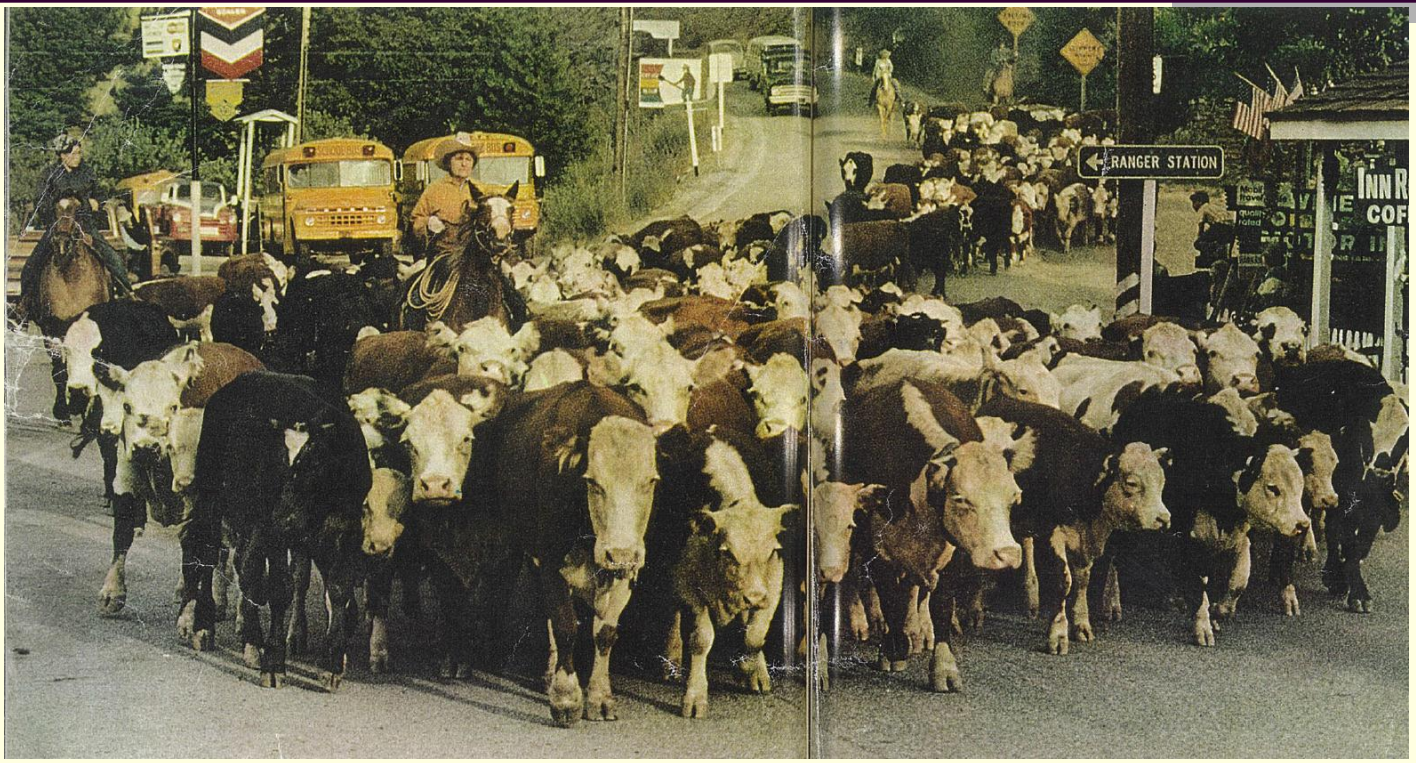
#19. Spenceville Wildlife Area, Conservation Easement (Robinson Ranch)

- Lowell Robinson (Photo courtesy of the Robinson Family)
- Property owner Neil Robinson pictured with Tina Bartlett, CDFW Regional Manager, North Central Region and Rachael Dinno-Taylor from The Trust for Public Land.

#19. Spenceville Wildlife Area, Conservation Easement (Robinson Ranch)

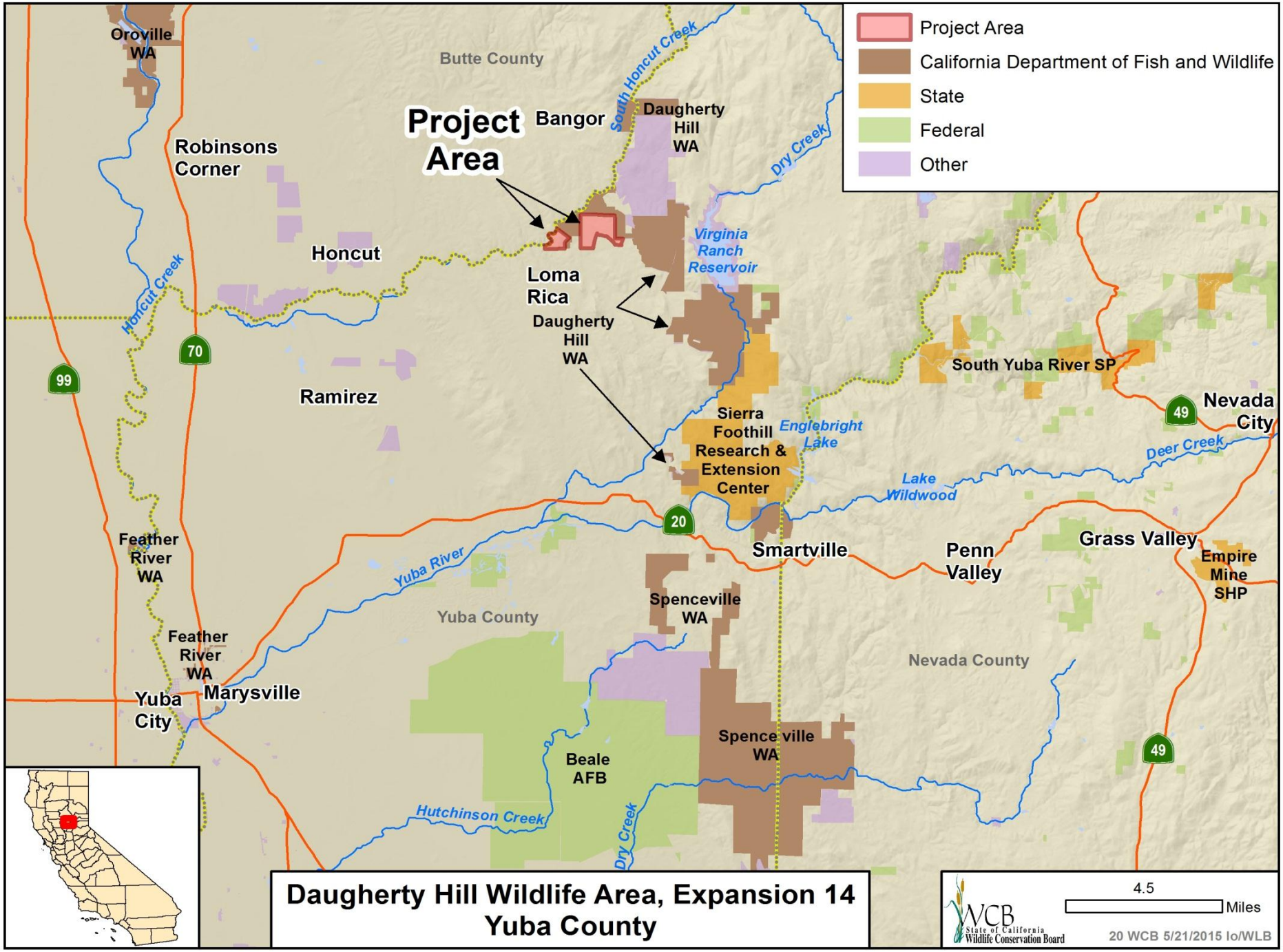
- Photo of Susan Hoek (Photo from the Penn Valley Area of Champer)

#19. Spenceville Wildlife Area, Conservation Easement (Robinson Ranch)



- Rough & Ready Cattle Drive with the Robinson Family in the lead. The cattle drive was from Grass Valley to Downieville. Olive Robinson (mother of Niel & Lowell Robinson) pictured here. (Photo from1975 National Geographic Article)

#19. Spenceville Wildlife Area, Conservation Easement (Robinson Ranch)


Project Area
California Department of Fish and Wildlife
State
Federal
Other
Oroville WA
Butte County
South Honcut Creek
Project Area
Bangor
Daugherty Hill WA
Dry Creek
Robinsons Corner
Honcut
Virginia Ranch Reservoir
Honcut Creek
Loma Rica
Daugherty Hill WA
70
99
Ramirez
South Yuba River SP
Nevada City
49
Sierra Foothill Research & Extension Center
Englebright Lake
Deer Creek
Lake Wildwood
20
Feather River WA
Yuba River
Smartville
Penn Valley
Grass Valley
Empire Mine SHP
Spenceville WA
Yuba County
Feather River WA
Nevada County
Marysville
Yuba City
Spence ville WA
Beale AFB
Hutchinson Creek
Dry Creek
49
Daugherty Hill Wildlife Area, Expansion 14
Yuba County
4.5
Miles
WCB State of California Wildlife Conservation Board
20 WCB 5/21/2015 lo/WLB

#20. Daugherty Hill Wildlife Area, Expansion 14

- Honcut Creek

#20. Daugherty Hill Wildlife Area, Expansion 14

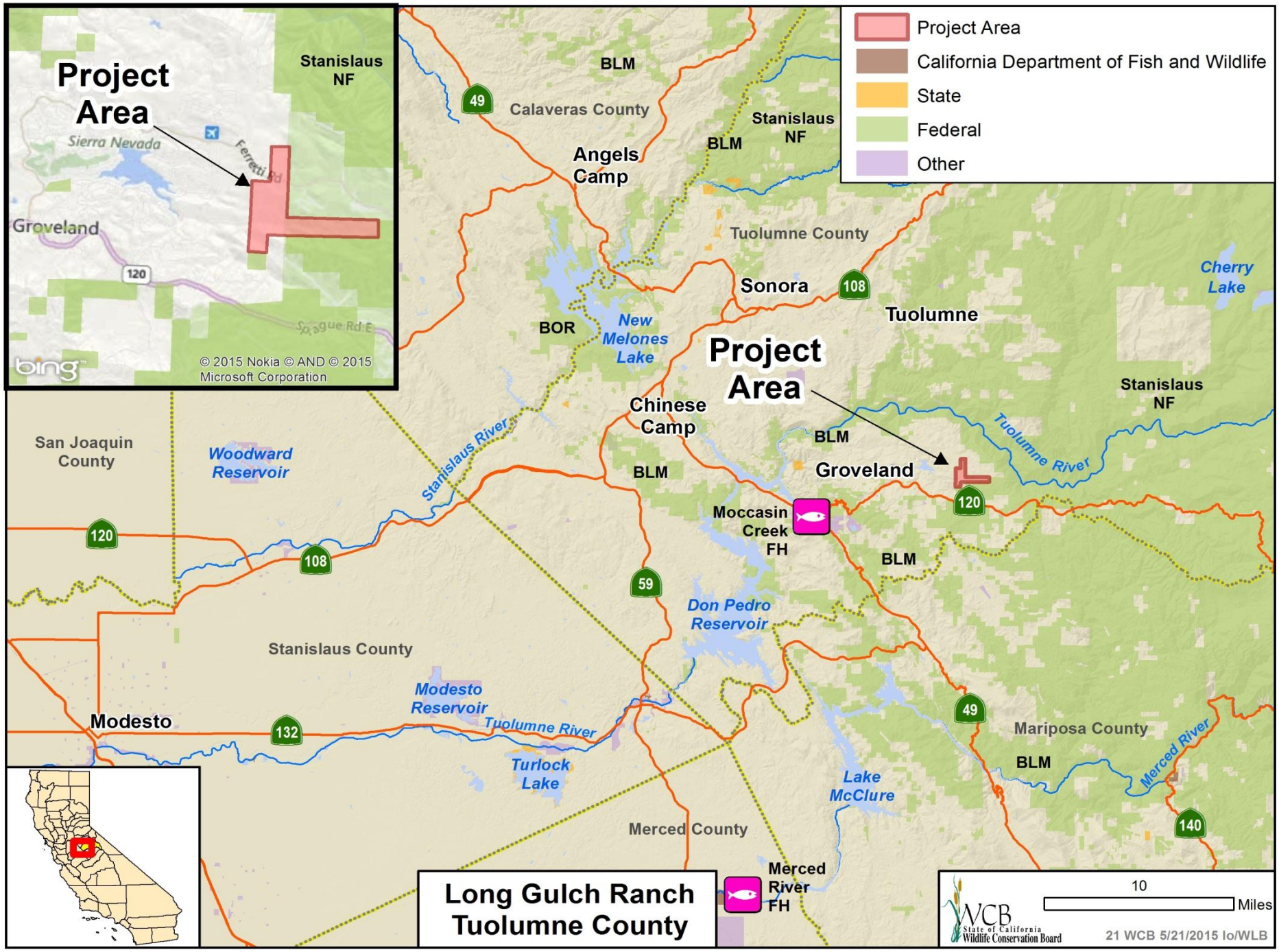
- A stand of oaks on the property

#20. Daugherty Hill Wildlife Area, Expansion 14

- Rocky outcropping

#20. Daugherty Hill Wildlife Area, Expansion 14

- Open grasslands on the property


Project Area
California Department of Fish and Wildlife
State
Federal
Other
Project Area
Stanislaus NF
Sierra Nevada
Ferretti Rd
Groveland
120
Sprague Rd E
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bing
BLM
49
Calaveras County
Angels Camp
Stanislaus NF
BLM
Tuolumne County
Sonora
108
Cherry Lake
Tuolumne
BOR
New Melones Lake
Project Area
Stanislaus NF
Chinese Camp
BLM
Tuolumne River
San Joaquin County
Woodward Reservoir
Stanislaus River
BLM
Groveland
120
Moccasin Creek FH
120
108
BLM
59
Don Pedro Reservoir
Stanislaus County
Modesto Reservoir
Modesto
132
Tuolumne River
49
Mariposa County
BLM
Merced River
Turlock Lake
Lake McClure
Merced County
140
Merced River FH
Long Gulch Ranch
Tuolumne County
10
Miles
WCB
State of California
Wildlife Conservation Board
21 WCB 5/21/2015 lo/WLB

#21. Long Gulch Ranch

- Open grassland with forested background

#21. Long Gulch Ranch

- Seasonal Long Gulch Creek

#21. Long Gulch Ranch

- Great gray owl has been observed roosting in this large oak tree.

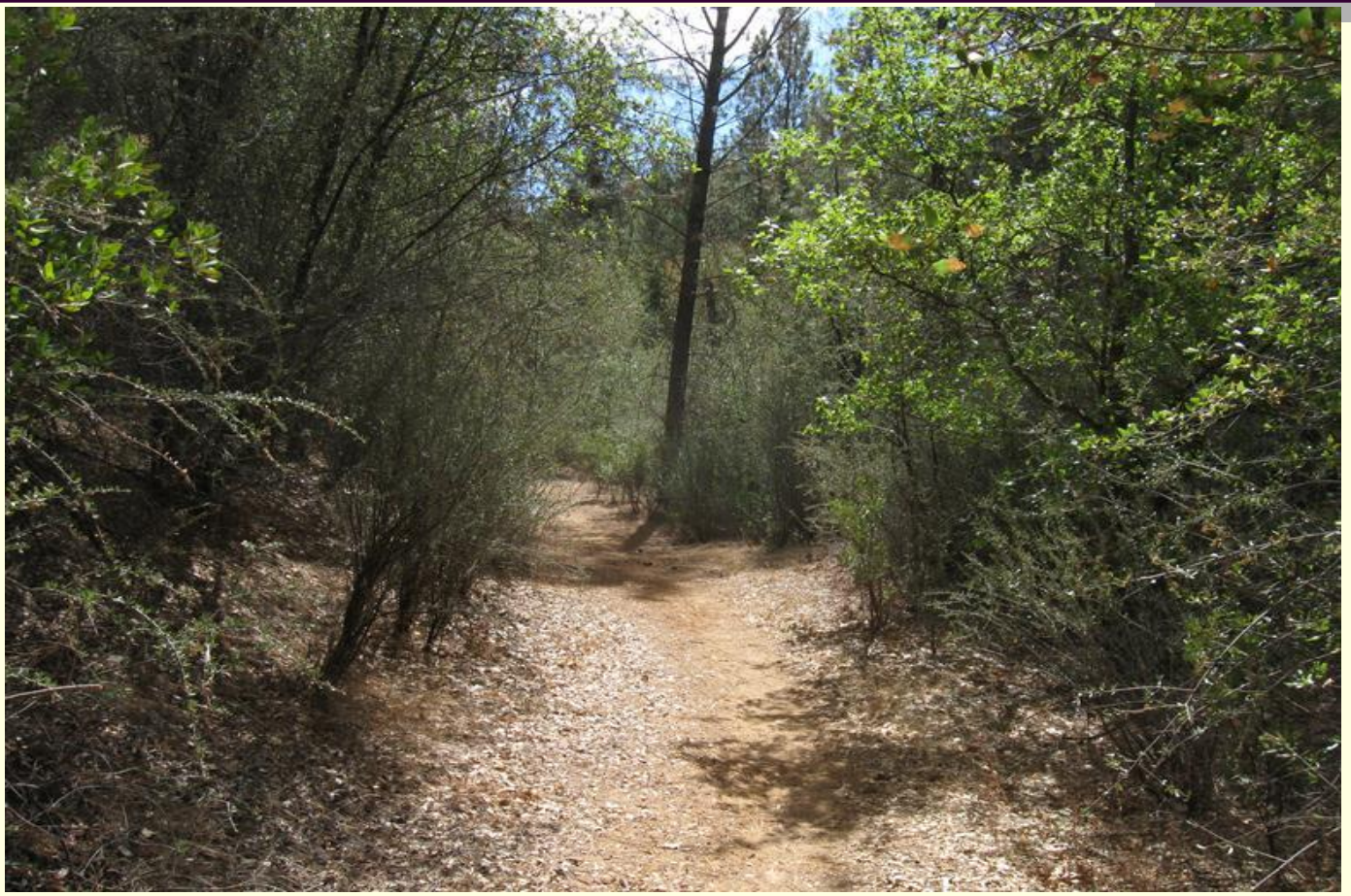
#21. Long Gulch Ranch

- Yosemite mule deer buck and does in the background

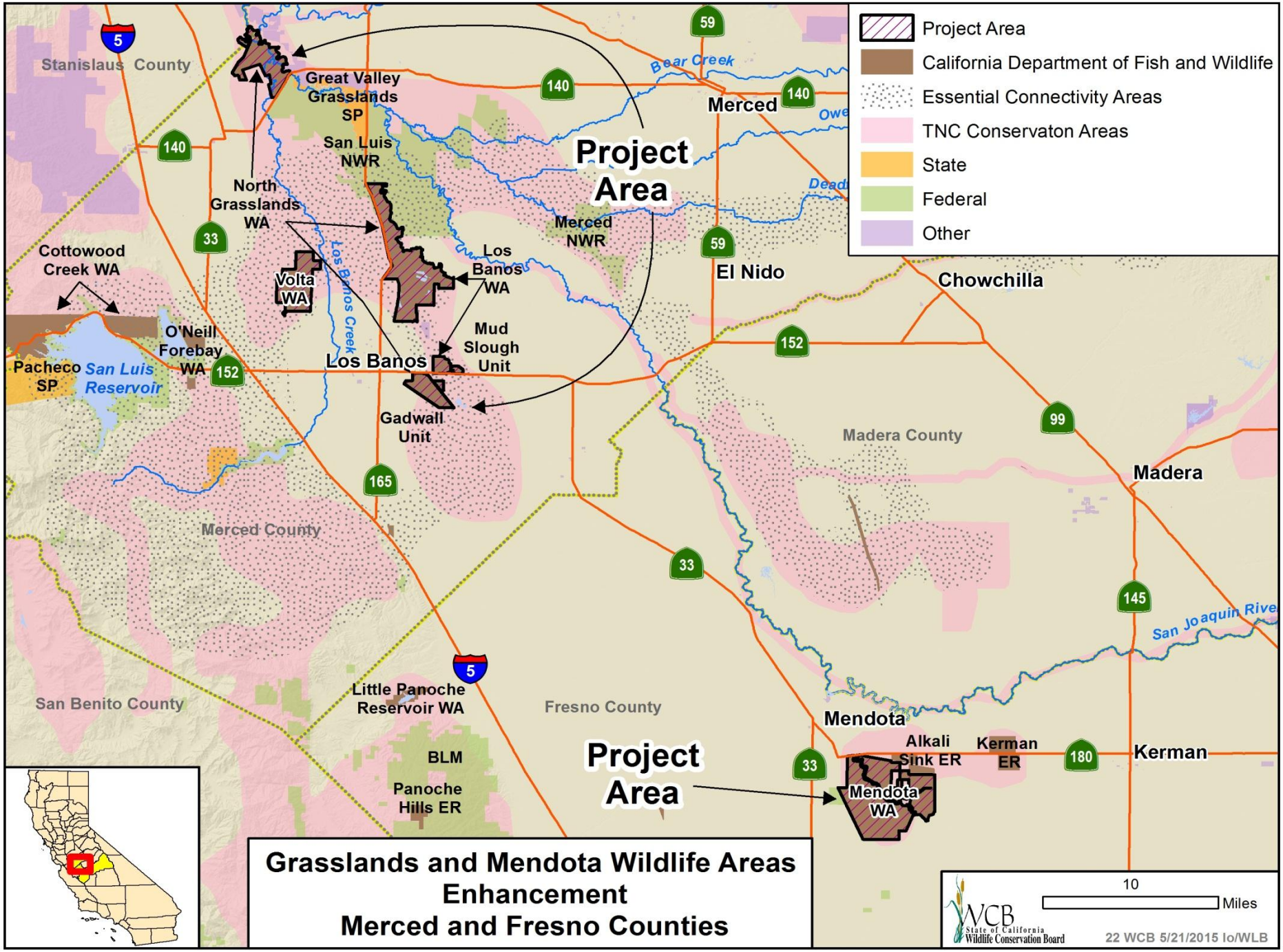
#21. Long Gulch Ranch

- Deer in the open grasslands.

#21. Long Gulch Ranch



- Equestrian and hiking trail


Project Area
California Department of Fish and Wildlife
Essential Connectivity Areas
TNC Conservaton Areas
State
Federal
Other
Stanislaus County
Great Valley Grasslands SP
San Luis NWR
North Grasslands WA
Project Area
Merced
Bear Creek
Merced NWR
Cottowood Creek WA
Volta WA
Los Banos WA
Los Banos Creek
El Nido
Chowchilla
O'Neill Forebay WA
Pacheco SP
San Luis Reservoir
Mud Slough Unit
Los Banos
Gadwall Unit
Madera County
Madera
Merced County
San Joaquin River
Little Panoche Reservoir WA
San Benito County
Fresno County
Mendota
Alkali Sink ER
Kerman ER
Kerman
BLM
Panoche Hills ER
Project Area
Mendota WA
Grasslands and Mendota Wildlife Areas Enhancement
Merced and Fresno Counties
10
Miles
WCB State of California Wildlife Conservation Board
22 WCB 5/21/2015 lo/WLB

#22. Grasslands and Mendota Wildlife Area Enhancement

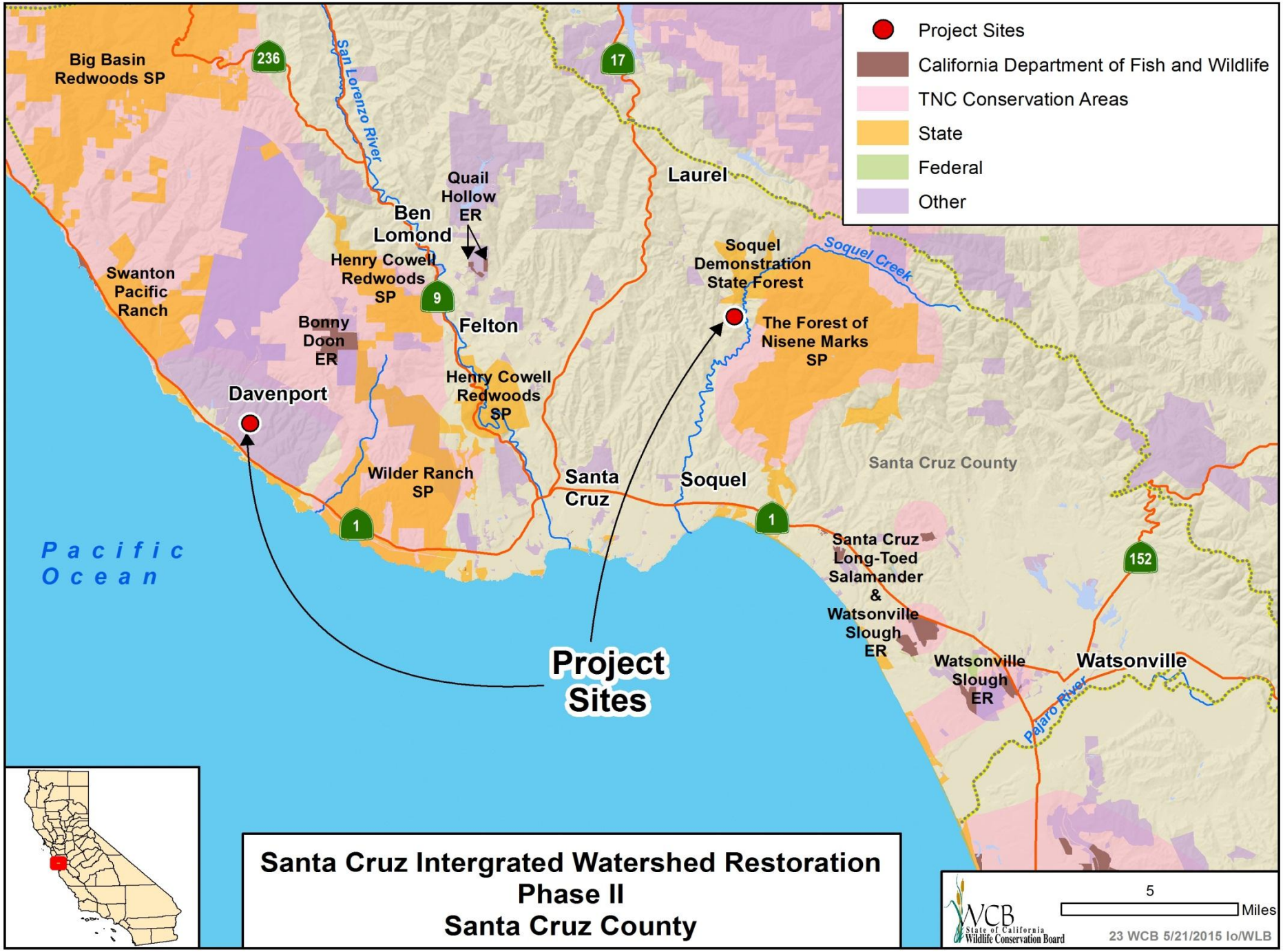
- Mud Sough nebulous property boundary. Proposed project will complete 15,000 feet of legal survey to accurately identify CDFW property boundary

#22. Grasslands and Mendota Wildlife Area Enhancement

- Proposed project will construct a 1,200 foot levee to assist managers to eliminate pepperweed.

#22. Grasslands and Mendota Wildlife Area Enhancement

- Abandoned well to be capped


Project Sites
California Department of Fish and Wildlife
TNC Conservation Areas
State
Federal
Other
Big Basin Redwoods SP
236
San Lorenzo River
17
Laurel
Quail Hollow ER
Ben Lomond
Henry Cowell Redwoods SP
9
Felton
Swanton Pacific Ranch
Bonny Doon ER
Soquel Demonstration State Forest
Soquel Creek
The Forest of Nisene Marks SP
Davenport
Henry Cowell Redwoods SP
Wilder Ranch SP
Santa Cruz
Soquel
Santa Cruz County
1
Pacific Ocean
Santa Cruz Long-Toed Salamander & Watsonville Slough ER
152
Watsonville Slough ER
Watsonville
Pajaro River
Project Sites
Santa Cruz Intergrated Watershed Restoration
Phase II
Santa Cruz County
5
Miles
WCB State of California Wildlife Conservation Board
23 WCB 5/21/2015 lo/WLB

#23. Santa Cruz Integrated Watershed Restoration, Phase II

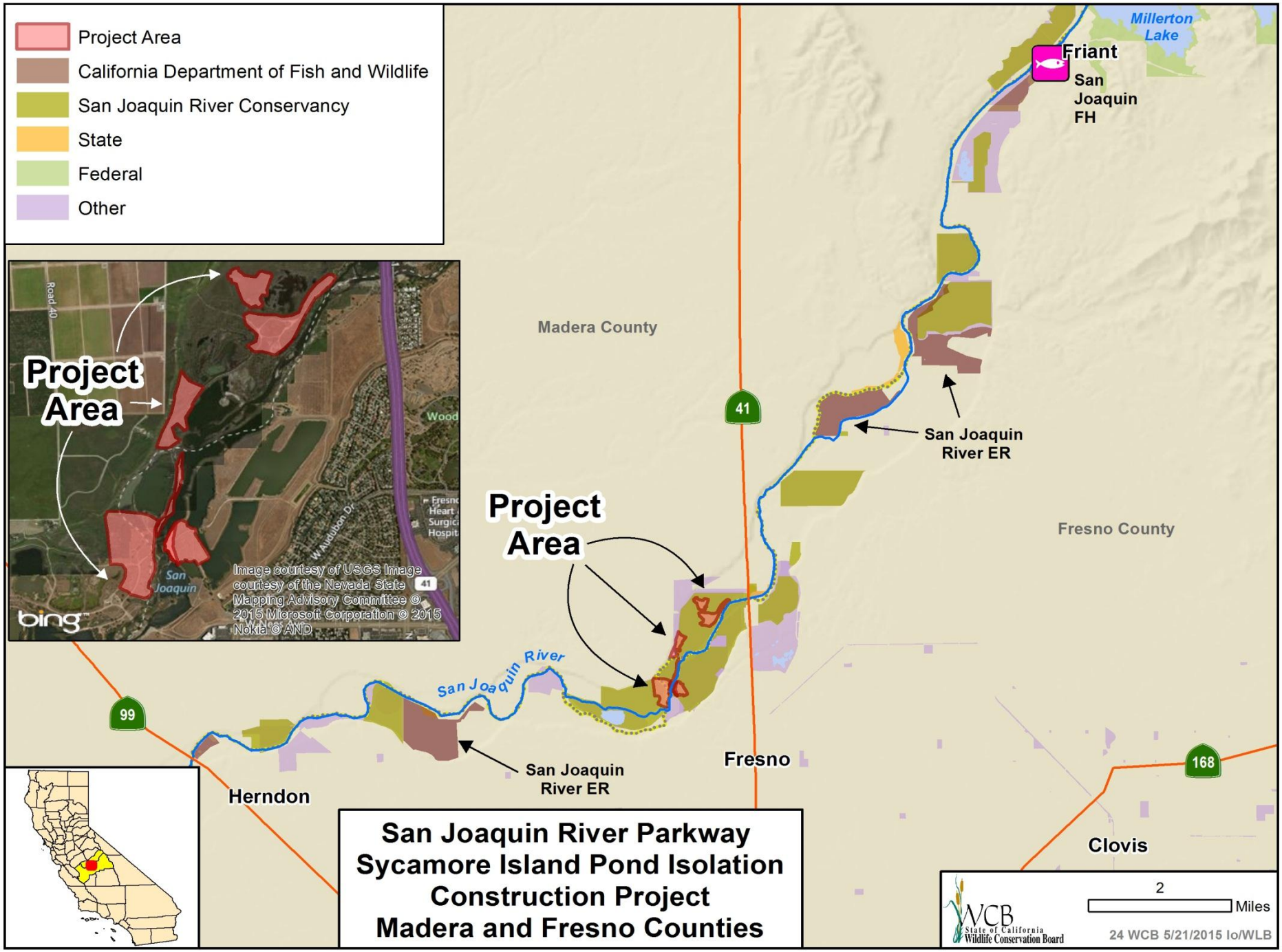
- San Vincente Creek Upper Pond plugged with sediment

#23. Santa Cruz Integrated Watershed Restoration, Phase II

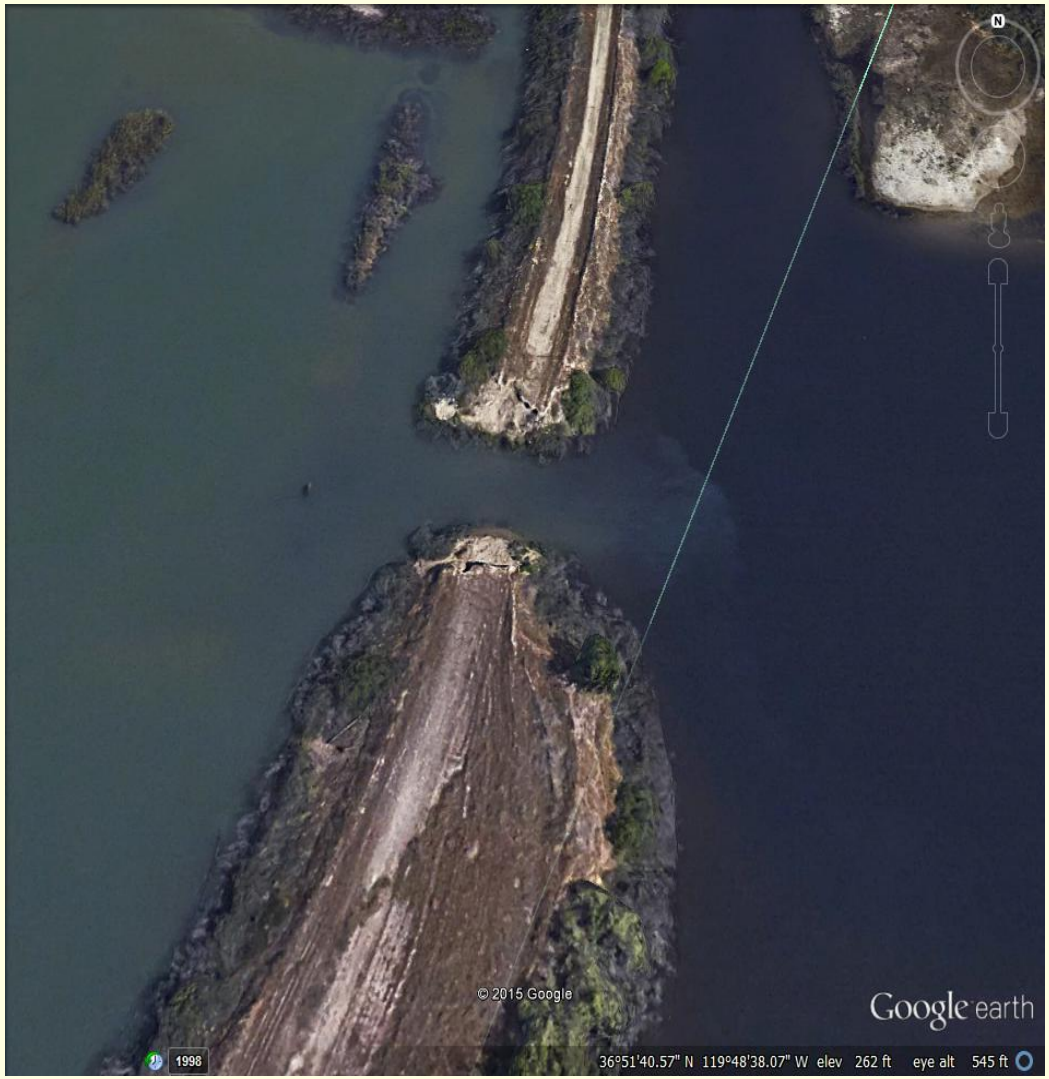
- Rip Rap will be removed and returned to a natural floodplain habitat along Soquel Creek

#23. Santa Cruz Integrated Watershed Restoration, Phase II

- The toe will be reconstructed with vegetated rock slope protection


Project Area
California Department of Fish and Wildlife
San Joaquin River Conservancy
State
Federal
Other
Project Area
Image courtesy of USGS Image courtesy of the Nevada State Mapping Advisory Committee © 2015 Microsoft Corporation © 2015 Nokia © AND
bing
Project Area
Madera County
Fresno County
Millerton Lake
Friant
San Joaquin FH
San Joaquin River ER
San Joaquin River ER
San Joaquin River
Herndon
Fresno
Clovis
41
99
168
San Joaquin River Parkway
Sycamore Island Pond Isolation
Construction Project
Madera and Fresno Counties
WCB State of California Wildlife Conservation Board
2
Miles
24 WCB 5/21/2015 lo/WLB

#24. San Joaquin River Parkway Sycamore Island Pond Isolation Construction Project



- Aerial view of the berm breach with the gravel pit on the left and the river on the right

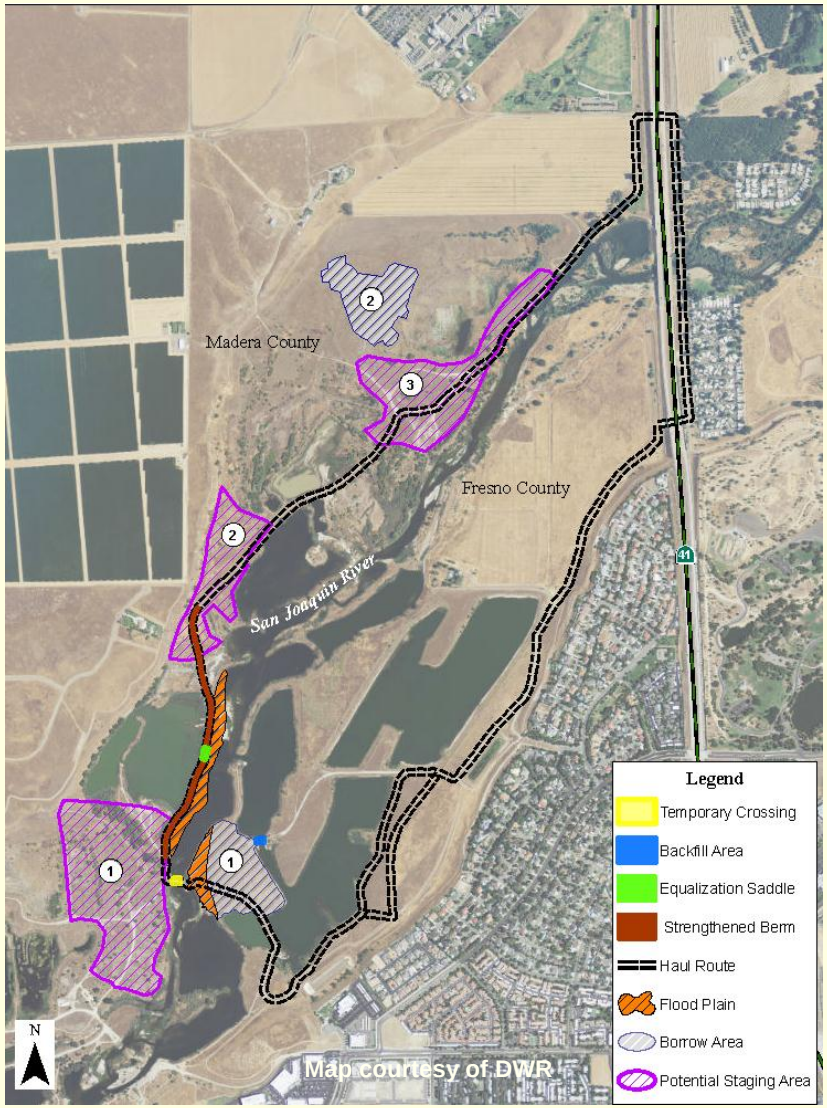
#24. San Joaquin River Parkway Sycamore Island Pond Isolation Construction Project

- Berm breach between Gravel Pit 46e and the San Joaquin River

#24. San Joaquin River Parkway Sycamore Island Pond Isolation Construction Project

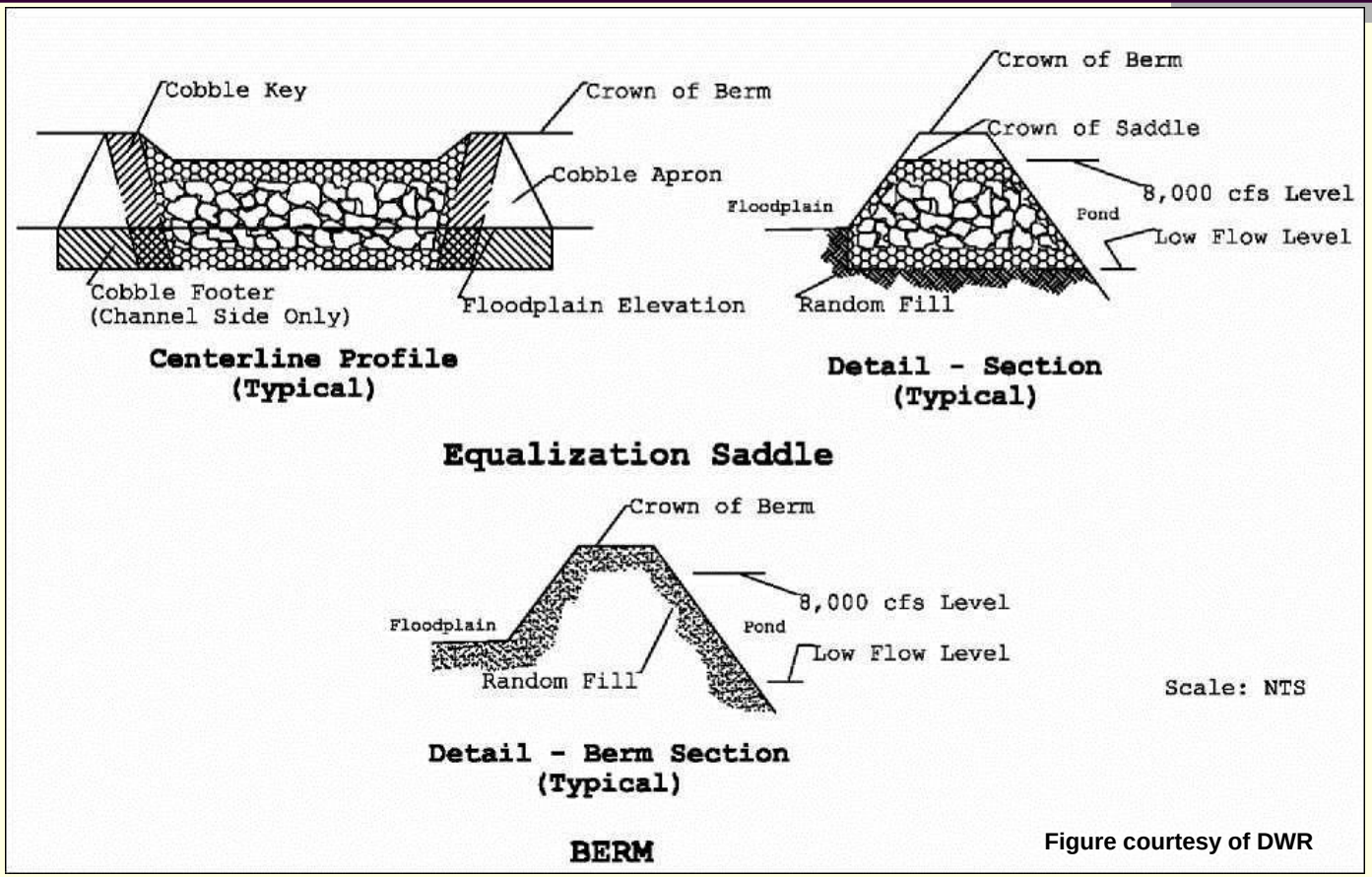
- Sparsely vegetated berm that will be improved

#24. San Joaquin River Parkway Sycamore Island Pond Isolation Construction Project



- Project site and components

#24. San Joaquin River Parkway Sycamore Island Pond Isolation Construction Project



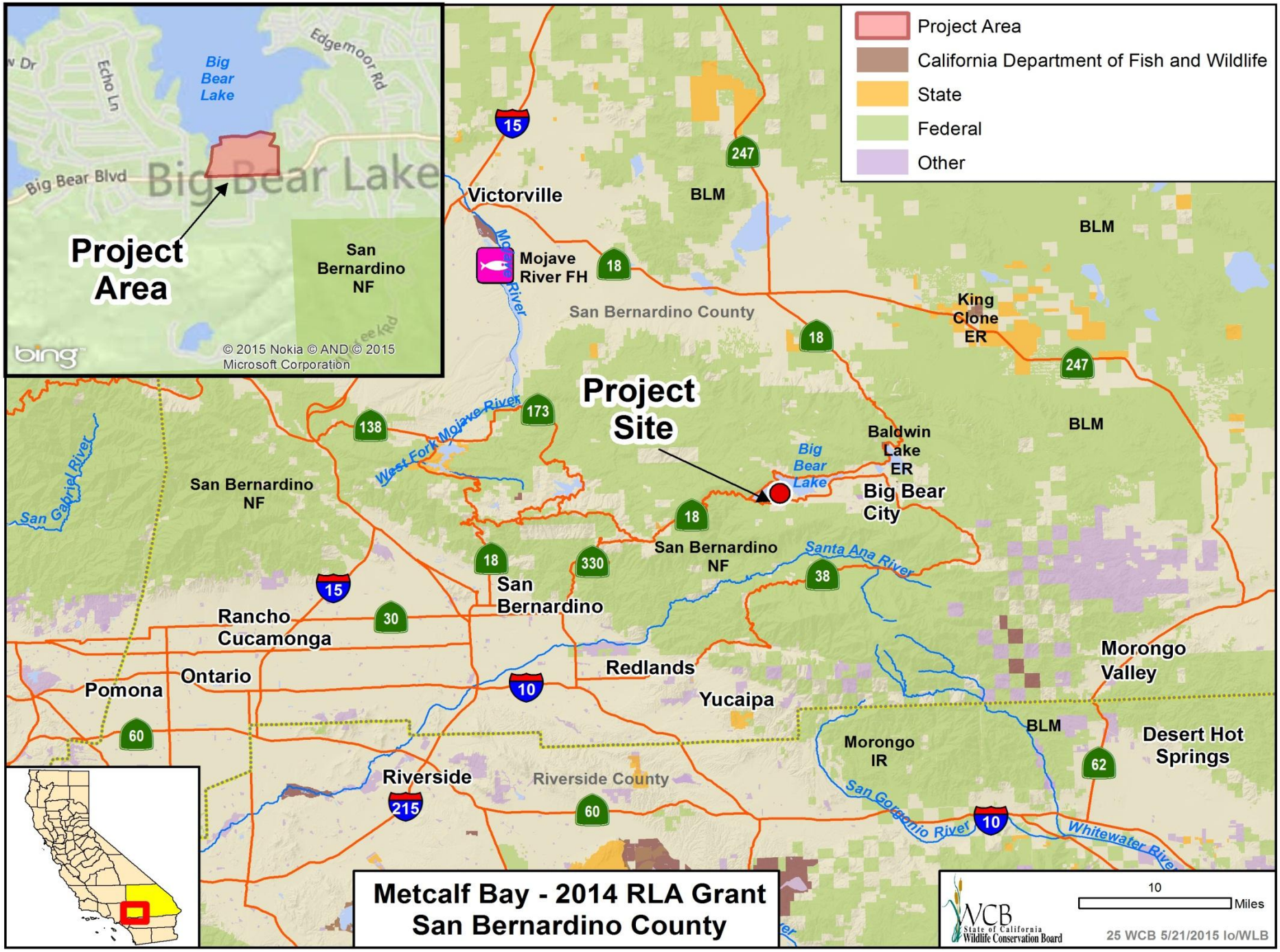
- Conceptual design: Equalization saddle and berm

#24. San Joaquin River Parkway Sycamore Island Pond Isolation Construction Project

Year 0 (year planted)

Year 3

- Example of anticipated results:
  - Restored riparian habitat and floodplain function (photos)
  - Improved berm and road


Project Area
California Department of Fish and Wildlife
State
Federal
Other
Big Bear Lake
Edgemoor Rd
Echo Ln
Big Bear Blvd
Project Area
San Bernardino NF
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bing
Project Site
Victorville
BLM
Mojave River FH
Mojave River
San Bernardino County
King Clone ER
Baldwin Lake ER
Big Bear City
West Fork Mojave River
San Gabriel River
San Bernardino NF
Santa Ana River
San Bernardino
Rancho Cucamonga
Ontario
Pomona
Redlands
Yucaipa
Morongo Valley
Morongo IR
Desert Hot Springs
Riverside
Riverside County
San Gorgonio River
Whitewater River
15
247
18
138
173
330
38
30
10
60
215
62
Metcalf Bay - 2014 RLA Grant
San Bernardino County
WCB State of California Wildlife Conservation Board
10 Miles
25 WCB 5/21/2015 lo/WLB

#25. Metcalf Bay – 2014 RLA Grant

- Metcalf Bay, home to pedate checker-mallow, a multi-stemmed perennial herb

#25. Metcalf Bay – 2014 RLA Grant

- Pedate checker-mallow

#25. Metcalf Bay – 2014 RLA Grant

- Seasonal wetland of Metcalf Bay

#25. Metcalf Bay – 2014 RLA Grant

- Habitat for numerous local species

#25. Metcalf Bay – 2014 RLA Grant

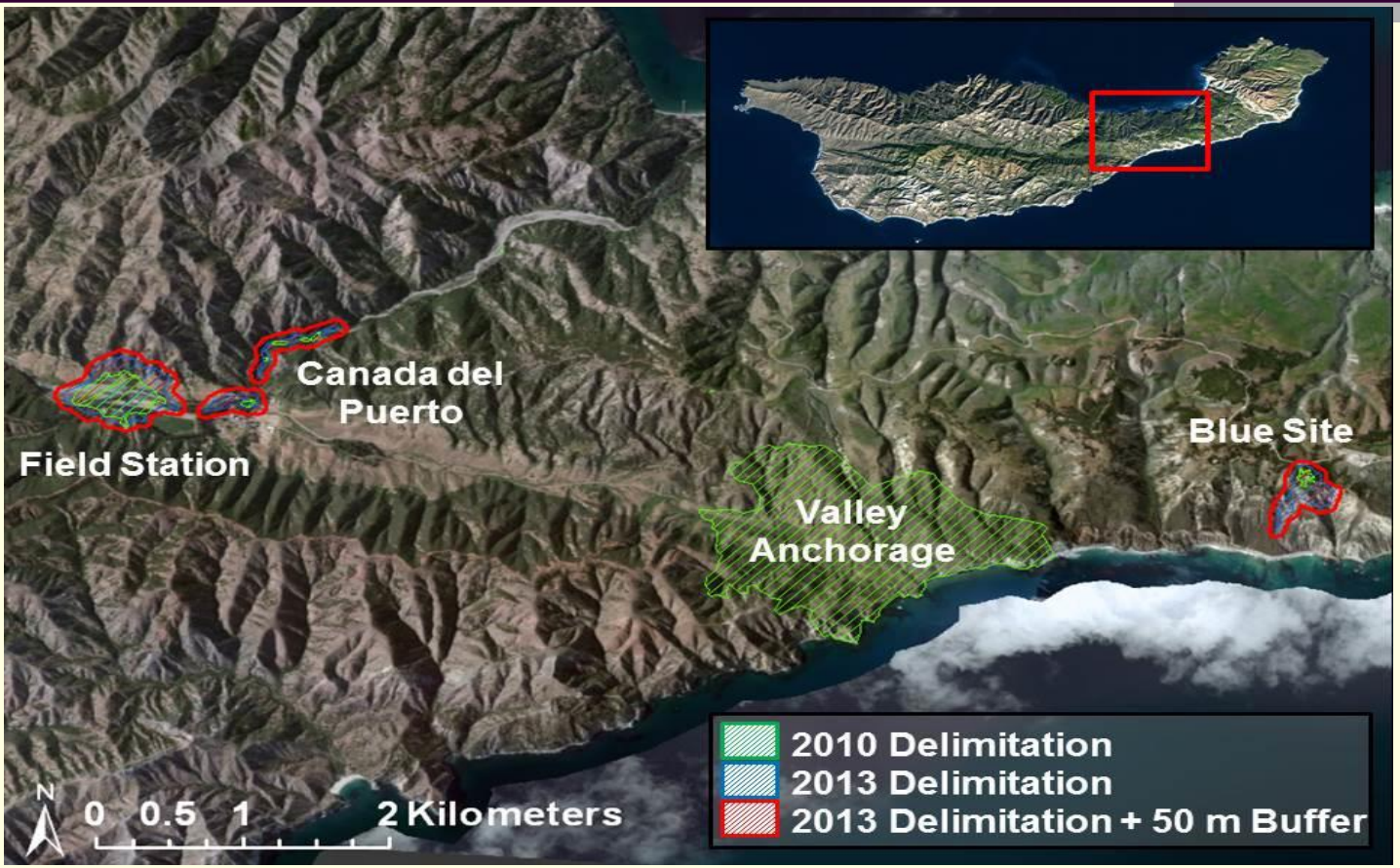
- Fencing to prevent access to property


Solvang
Santa Barbara County
154
Santa Ynez River
Los Padres NF
1
33
Gaviota SP
Gaviota
El Capitan SB
101
Goleta
Santa Barbara
192
Goleta ER
Carpinteria
150
Ventura River
150
Ventura County
101
Project Site
California Department of Fish and Wildlife
State
Federal
Other
Ventura
126
Santa Clara River
Oxnard
1
Project Site
San Miguel Island
Santa Rosa Island
Santa Cruz Island
Anacapa Island
Pacific Ocean
Santa Cruz Island
Argentine Ant Elimination
Santa Barbara County
10
Miles
WCB
State of California
Wildlife Conservation Board
26 WCB 5/21/2015 Io/WLB

#26. Santa Cruz Island Argentine Ant Elimination

- Santa Cruz Island

#26. Santa Cruz Island Argentine Ant Elimination



- Santa Cruz Island, Argentine ant infestation sites

#26. Santa Cruz Island Argentine Ant Elimination

- Argentine Ant infestation

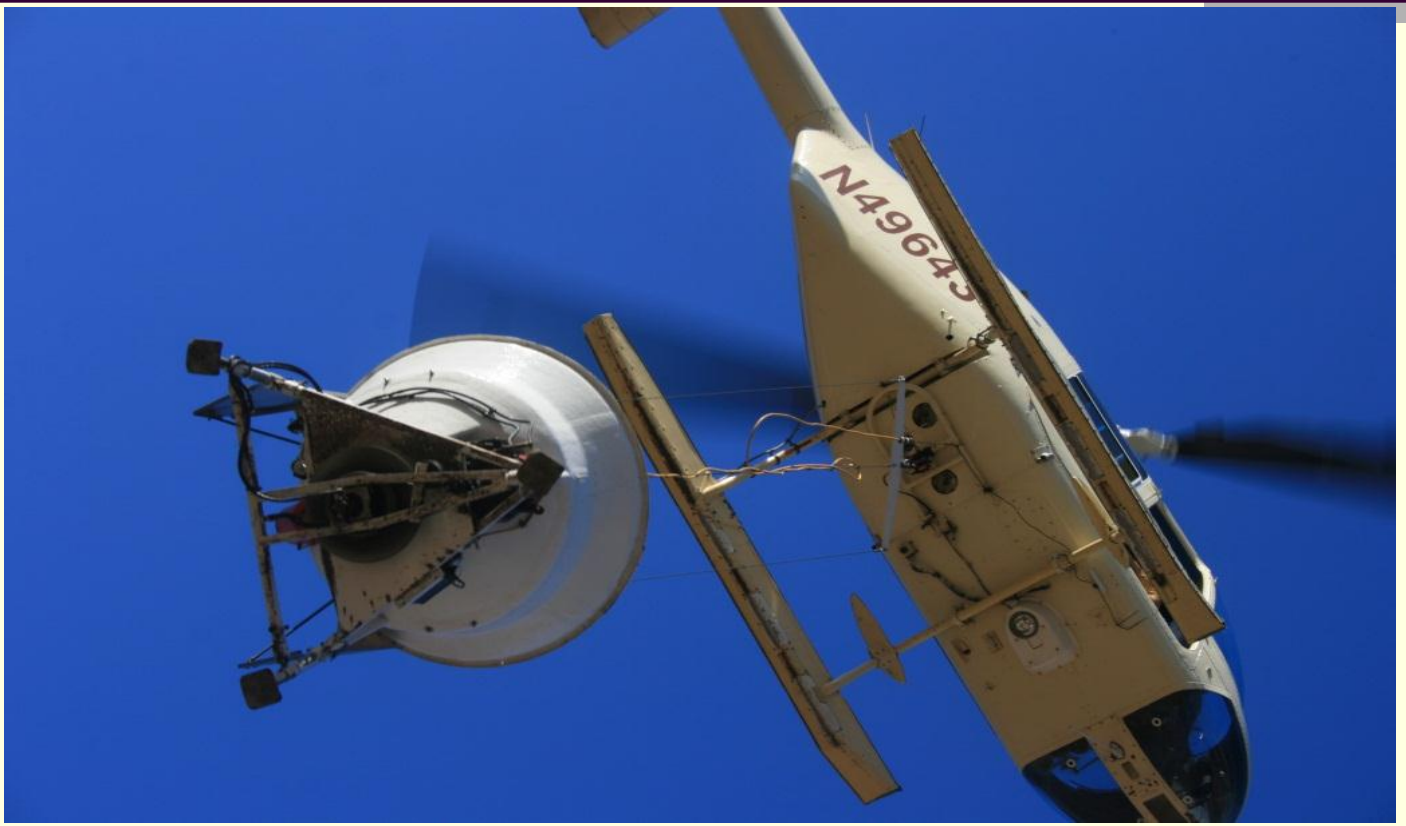
#26. Santa Cruz Island Argentine Ant Elimination

- Bait crystals, loaded with insecticide

#26. Santa Cruz Island Argentine Ant Elimination

- Insecticide bait loaded into hopper for helicopter transport to remote sites

#26. Santa Cruz Island Argentine Ant Elimination



- Helicopters were most effective for reaching inaccessible wildland sites, after comparison with ground-based trials

#26. Santa Cruz Island Argentine Ant Elimination

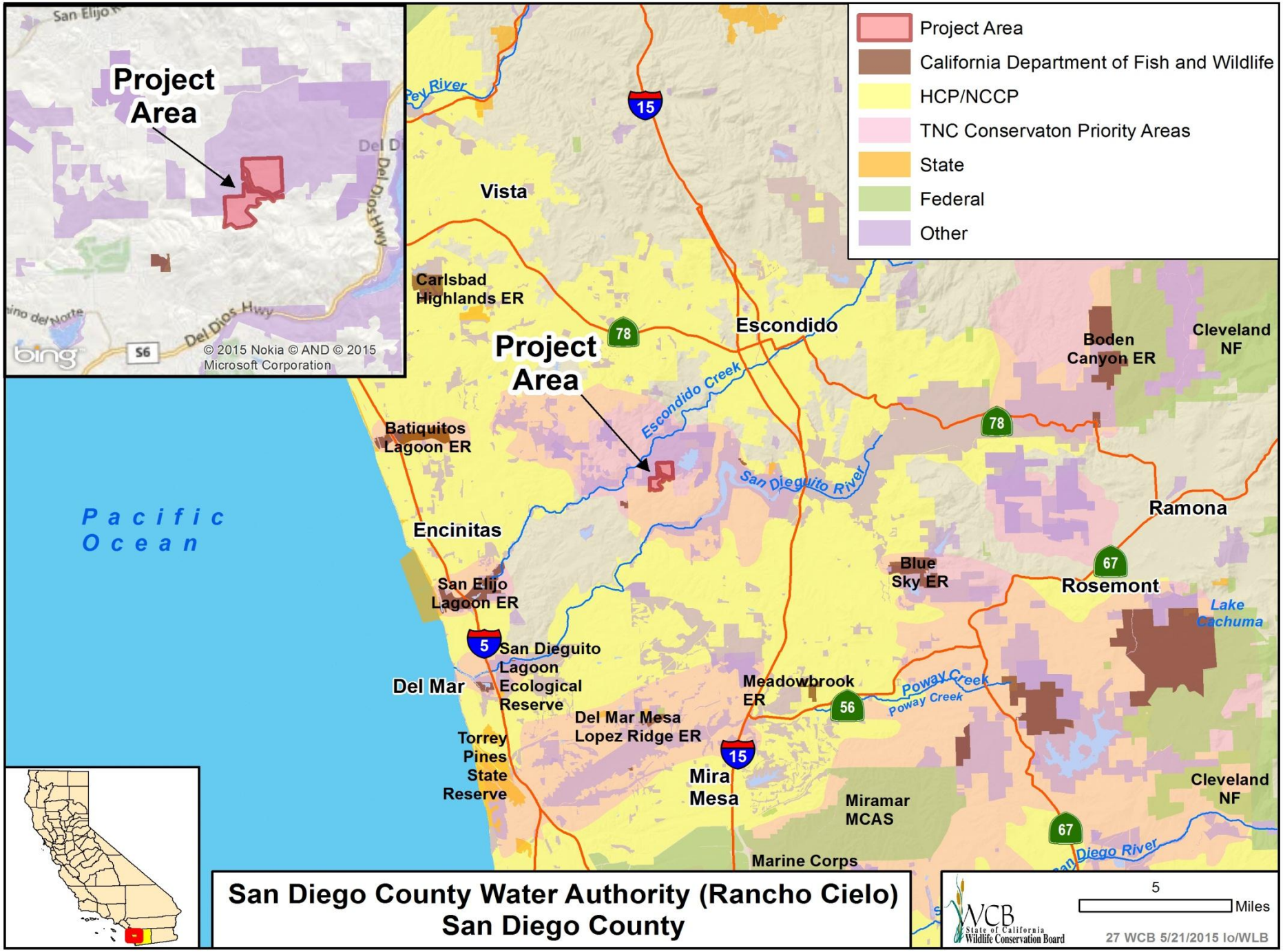
- Ant bait is deployed to wildland site

#26. Santa Cruz Island Argentine Ant Elimination

- Ants on insecticide bait

#26. Santa Cruz Island Argentine Ant Elimination

- Island Scrub Jay


Project Area
California Department of Fish and Wildlife
HCP/NCCP
TNC Conservaton Priority Areas
State
Federal
Other
Project Area
Project Area
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Pacific Ocean
Vista
Carlsbad Highlands ER
Escondido
Escondido Creek
Batiquitos Lagoon ER
San Dieguito River
Encinitas
San Elijo Lagoon ER
Del Mar
San Dieguito Lagoon Ecological Reserve
Del Mar Mesa Lopez Ridge ER
Torrey Pines State Reserve
Mira Mesa
Meadowbrook ER
Poway Creek
Miramar MCAS
Marine Corps
Boden Canyon ER
Cleveland NF
Ramona
Blue Sky ER
Rosemont
Lake Cachuma
San Diego River
15
78
5
56
67
S6
San Diego County Water Authority (Rancho Cielo)
San Diego County
WCB State of California Wildlife Conservation Board
5
Miles
27 WCB 5/21/2015 lo/WLB

#27. San Diego County Water Authority (Rancho Cielo)

- Rolling hills on property

#27. San Diego County Water Authority (Rancho Cielo)

- Small valley found on property

#27. San Diego County Water Authority (Rancho Cielo)

- Low, dense vegetation on property

#27. San Diego County Water Authority (Rancho Cielo)

- Open grassland on property