



**Wildlife Conservation Board Meeting  
May 20, 2021**

Salt River





## **Item 2. Discussion and Selection of new Board Chair and Vice Chair**





## Item 3. Public Forum

Hidden Canyon





## Item 4. Funding Status





## Item 5. Executive Director's Report



State of California  
Natural Resources Agency  
California Department of Fish and Wildlife

## **WILDLIFE CONSERVATION BOARD 2020 YEAR IN REVIEW**



*Photo: Coyote Valley*



**State of California  
Natural Resources Agency  
California Department of Fish and  
Wildlife**

**WILDLIFE CONSERVATION BOARD  
2020 YEAR IN REVIEW**

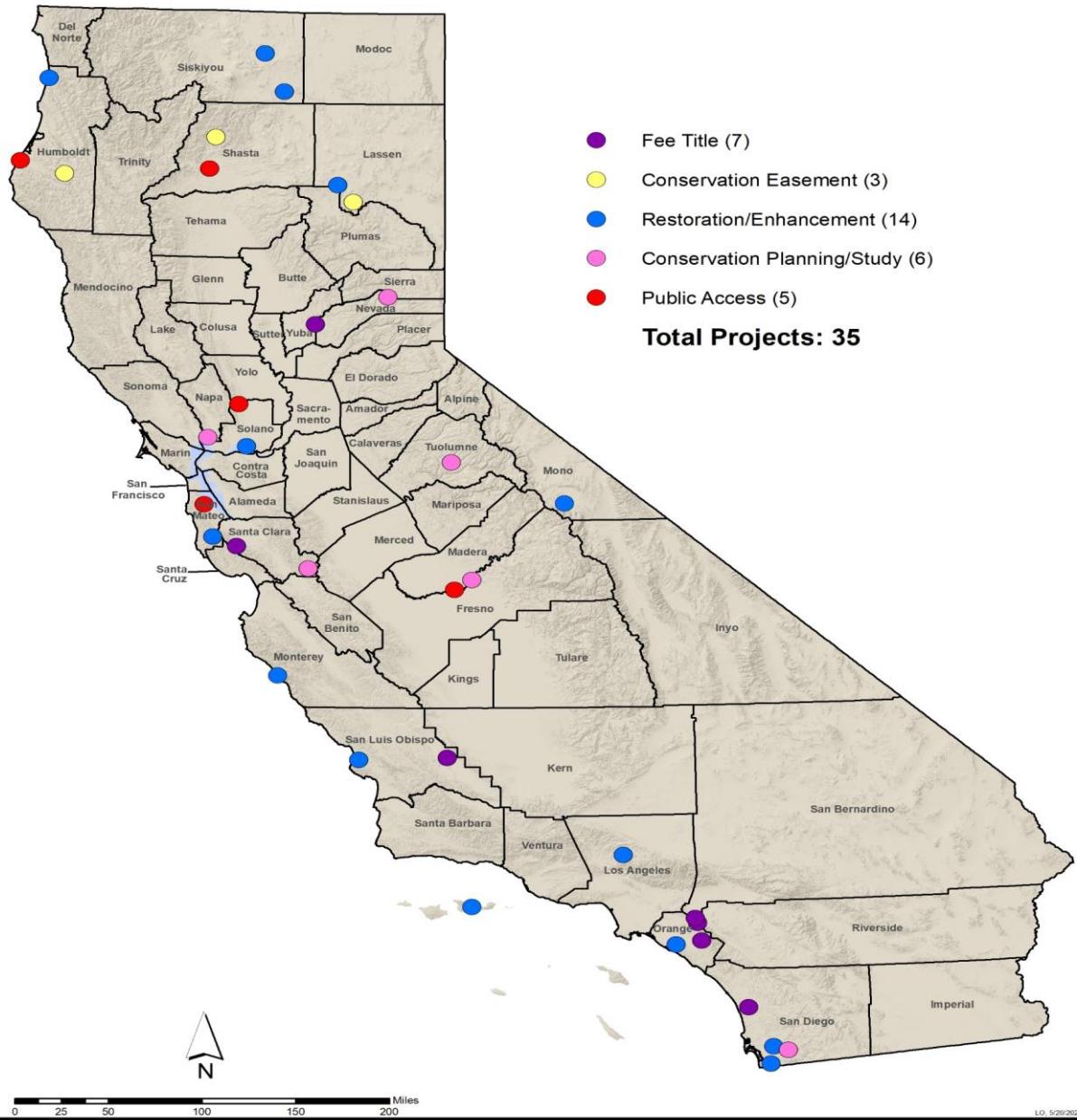




# Item 6. Recovery of Funds

<b>Fund Name</b>	<b>Amount</b>
Habitat Conservation Fund	\$2,610.00
California Clean Water, Clean Air, Safe Neighborhood Parks, and Coastal Protection Fund	\$7,519.05
Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Fund of 2006	\$13,567.88
Water Quality, Supply, and Infrastructure Improvement Fund of 2014	\$24,485.48
<b>Total Recoveries for All Funds</b>	<b>\$48,182.41</b>





# Wildlife Conservation Board Meeting May 20, 2021 Project Map





## Consent Items 7-30

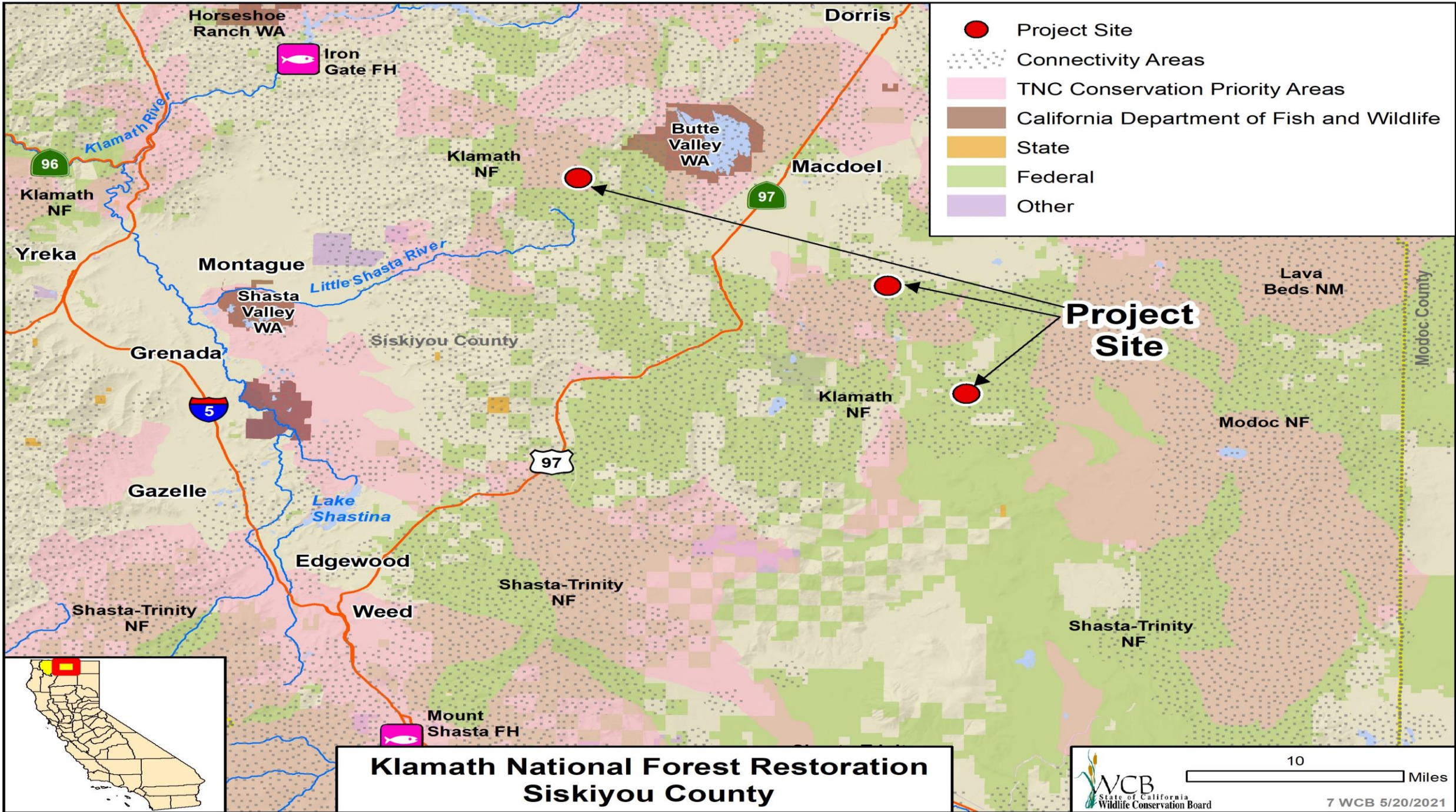




## Proposed Calendar Items 31-45

Lightning Canyon Ranch





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

**Klamath National Forest Restoration  
Siskiyou County**





# 7. Klamath National Forest Restoration

Slide 1

Conifer encroachment on aspen and meadows (Klamath National Forest).





## 7. Klamath National Forest Restoration

Slide 2

Conifer encroachment on  
aspen (Klamath National  
Forest).






## 7. Klamath National Forest Restoration

Slide 3

Encroaching Juniper (Klamath  
National Forest).





## 7. Klamath National Forest Restoration

Slide 4

Meadow Creek (Klamath National Forest).



# 7. Klamath National Forest Restoration

Slide 5

Deer in Round Valley  
Meadow (Klamath  
National Forest).



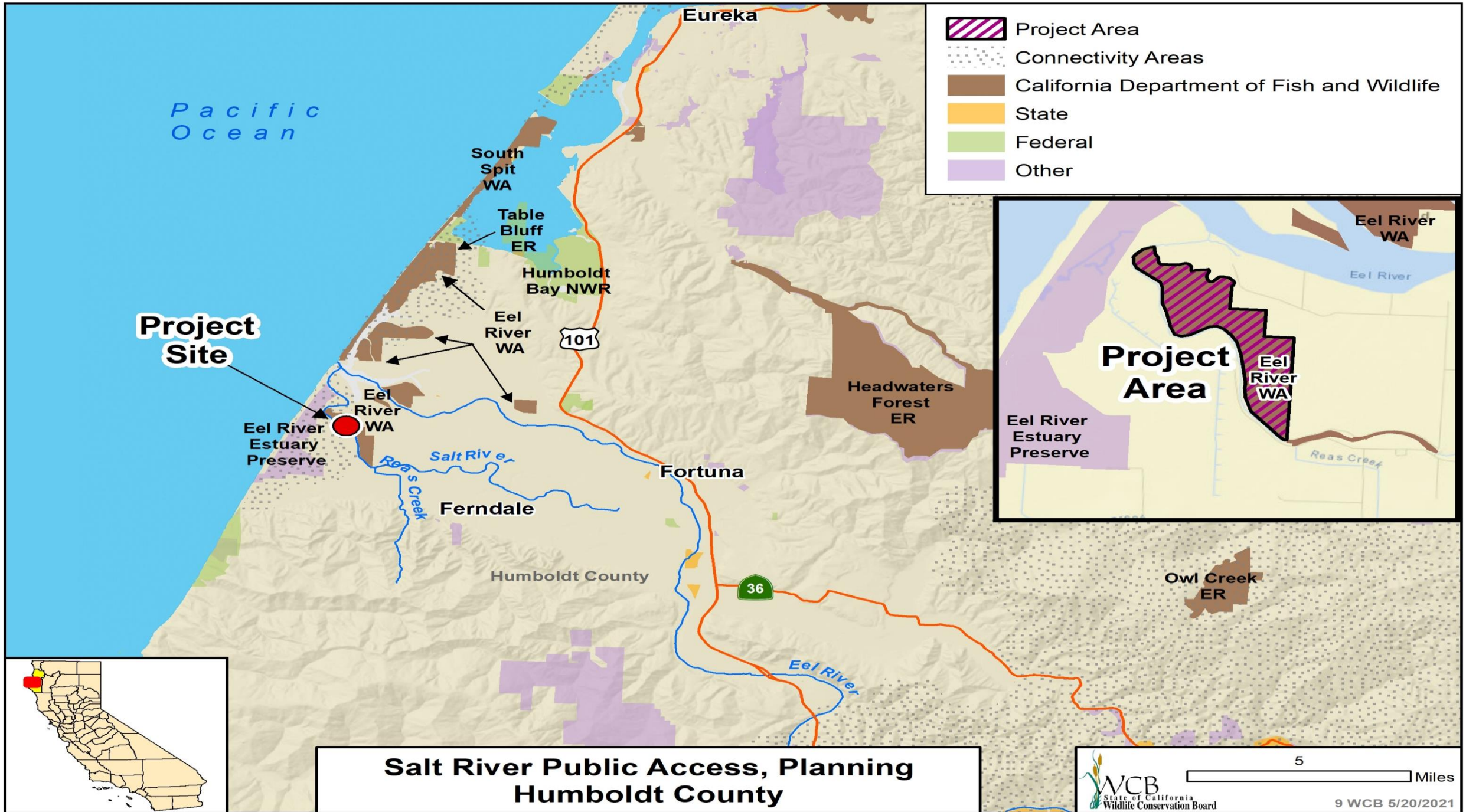




## 8. State Route 97 Wildlife Migratory Corridor Planning

Withdrawn from consideration at this time.





**Salt River Public Access, Planning  
Humboldt County**





## 9. Salt River Public Access Planning

Slide 1

Existing graveled road that runs the length of the 2-mile setback berm that will be utilized as an “out and back” hiking trail.

Photo credit: Doreen Hansen, HCRCD



# 9. Salt River Public Access Planning

Slide 2

---

Interior slough network in the restored tidal estuary which will be utilized as part of the 4.5 mile water trail.

Photo credit: Doreen Hansen,  
HCRCD







## 9. Salt River Public Access Planning

Slide 3

Restored Salt River channel and entrance to an interior slough network which will be utilized as part of the 4.5 mile water trail.

Photo credit: Doreen Hansen, HCRC



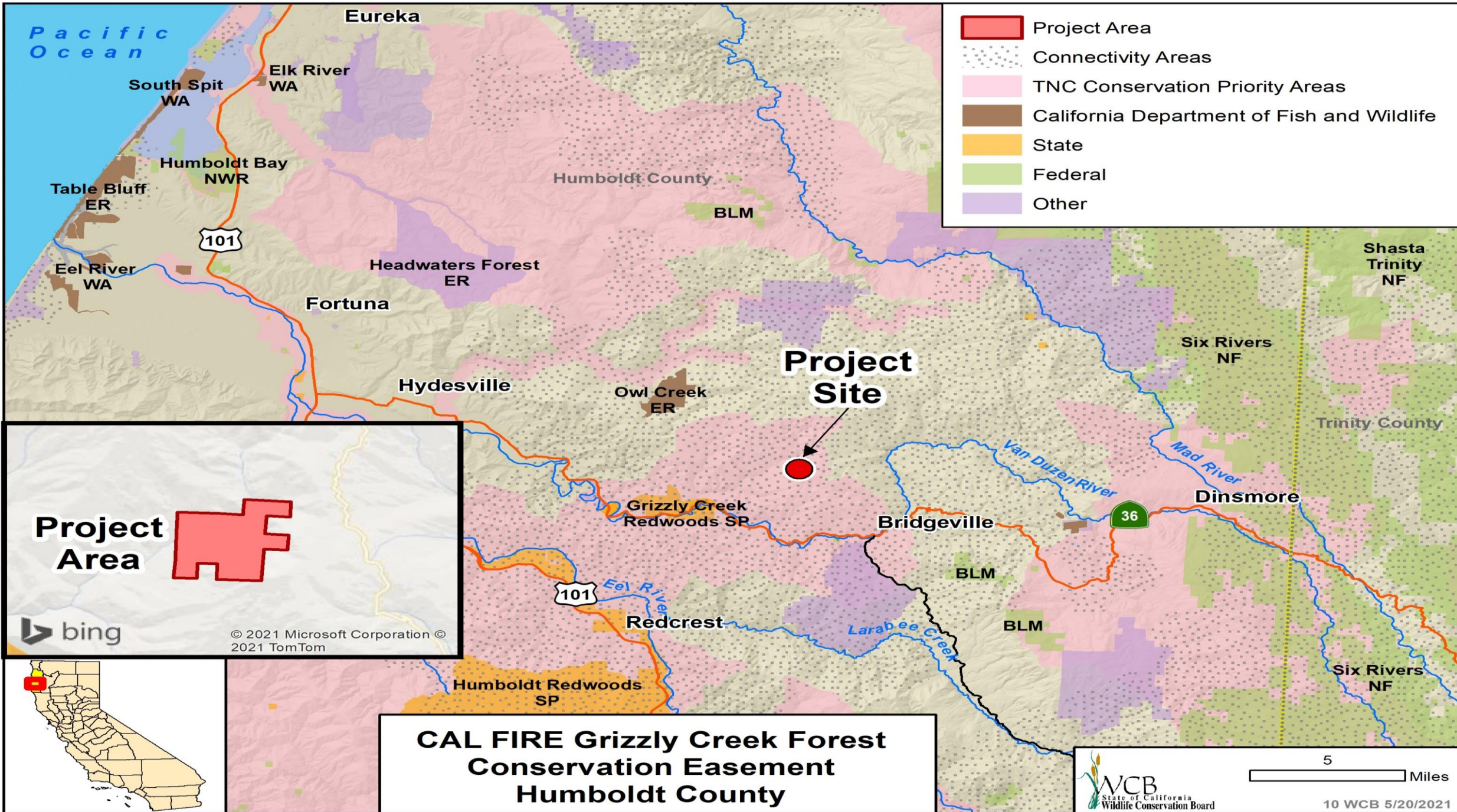


## 9. Salt River Public Access Planning

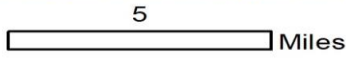
Slide 4

- Aerial photo of the existing barn that can be designed as an unmanned interpretive center. The restored Salt River and access to the setback berm road is also shown.
- Photo credit: Mike Love & Assoc





**CAL FIRE Grizzly Creek Forest Conservation Easement Humboldt County**





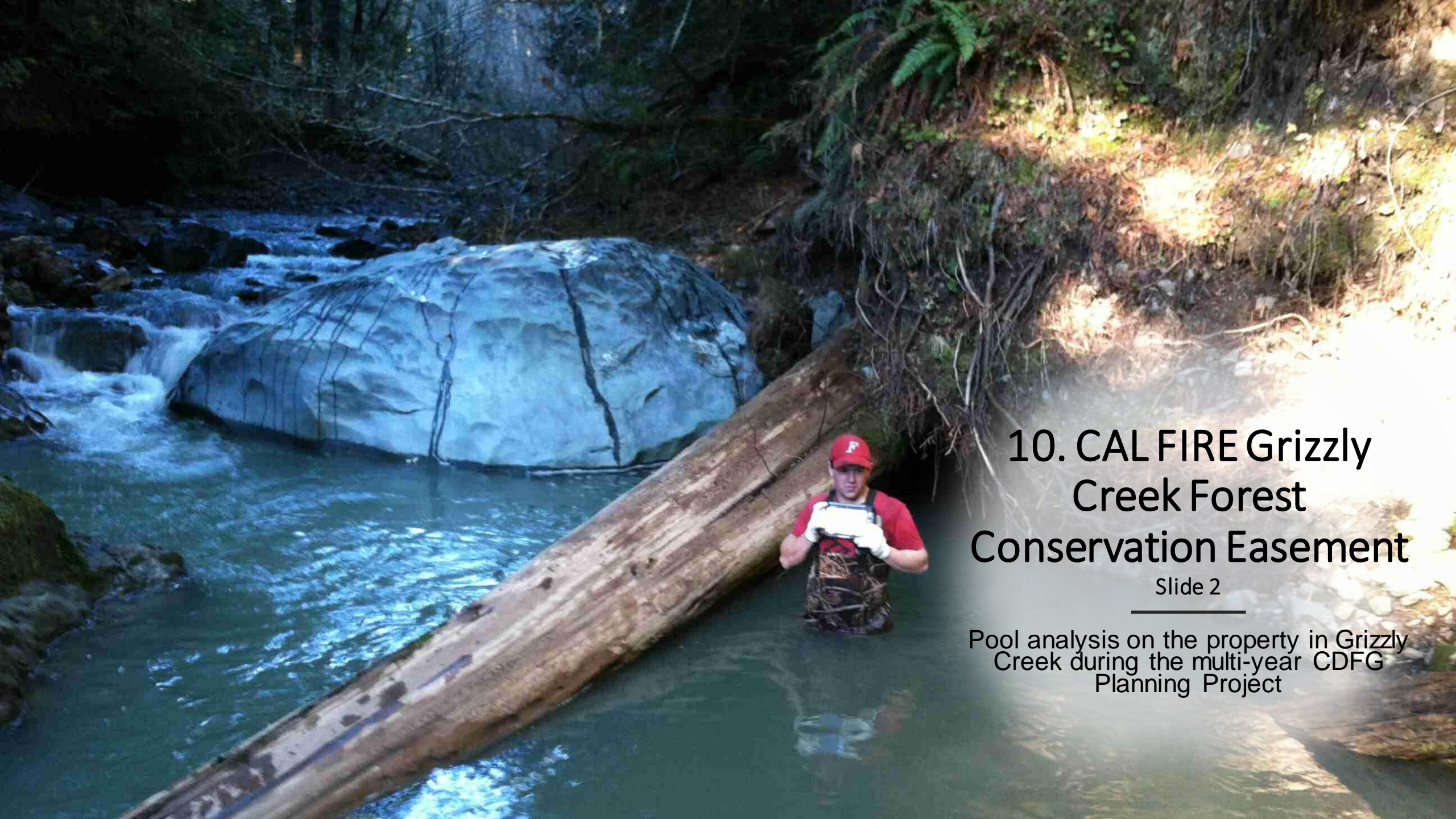


# 10. CAL FIRE Grizzly Creek Forest Conservation Easement

Slide 1

One of the many large woody debris log jams on the property in Grizzly Creek





# 10. CAL FIRE Grizzly Creek Forest Conservation Easement

Slide 2

---

Pool analysis on the property in Grizzly  
Creek during the multi-year CDFG  
Planning Project





# 10. CAL FIRE Grizzly Creek Forest Conservation Easement

Slide 3

---

Part of the watershed-resident Roosevelt  
Elk herd shown on the property





# 10. CAL FIRE Grizzly Creek Forest Conservation Easement

Slide 4

---

One of the four nesting adult NSO  
on the Property





# 10. CAL FIRE Grizzly Creek Forest Conservation Easement

Slide 5

---

Lion track on the property







# 10. CAL FIRE Grizzly Creek Forest Conservation Easement

Slide 6

Mixed redwood, grand fir and  
Douglas-fir in the forest on the  
Property





# 10. CAL FIRE Grizzly Creek Forest Conservation Easement

Slide 7

- 
- Typical young- second growth Redwood on the property




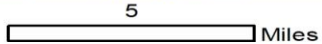


- Project Area
- TNC Conservation Priority Areas
- California Department of Fish and Wildlife
- State
- Federal
- Other



**Turtle Bay Boat Ramp Improvements, Planning  
Shasta County**



  
 11 WCB 5/20/2021





# 11. Turtle Bay Boat Ramp Improvements, Planning

Slide 1

Turtle Bay boat launch and restroom.





## 11. Turtle Bay Boat Ramp Improvements, Planning

Slide 2

- Turtle Bay boat launch in August 2020





## 11. Turtle Bay Boat Ramp Improvements, Planning

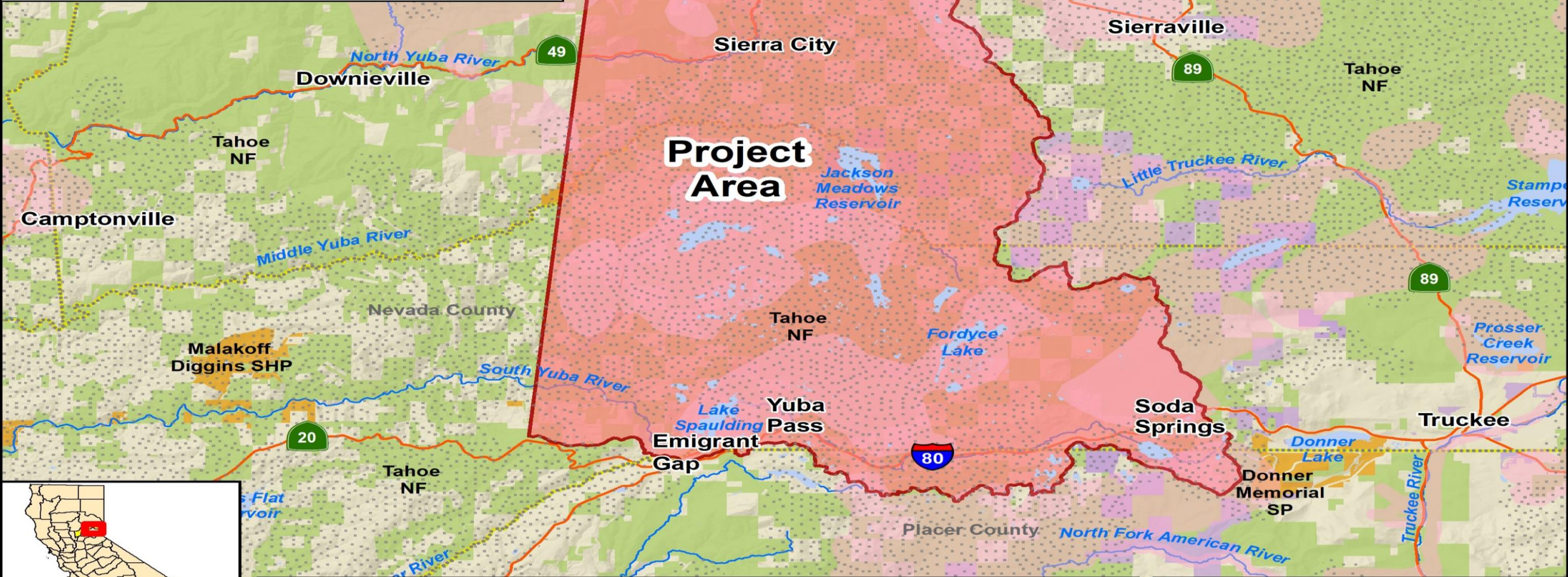
Slide 3

---

Turtle Bay boat ramp



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



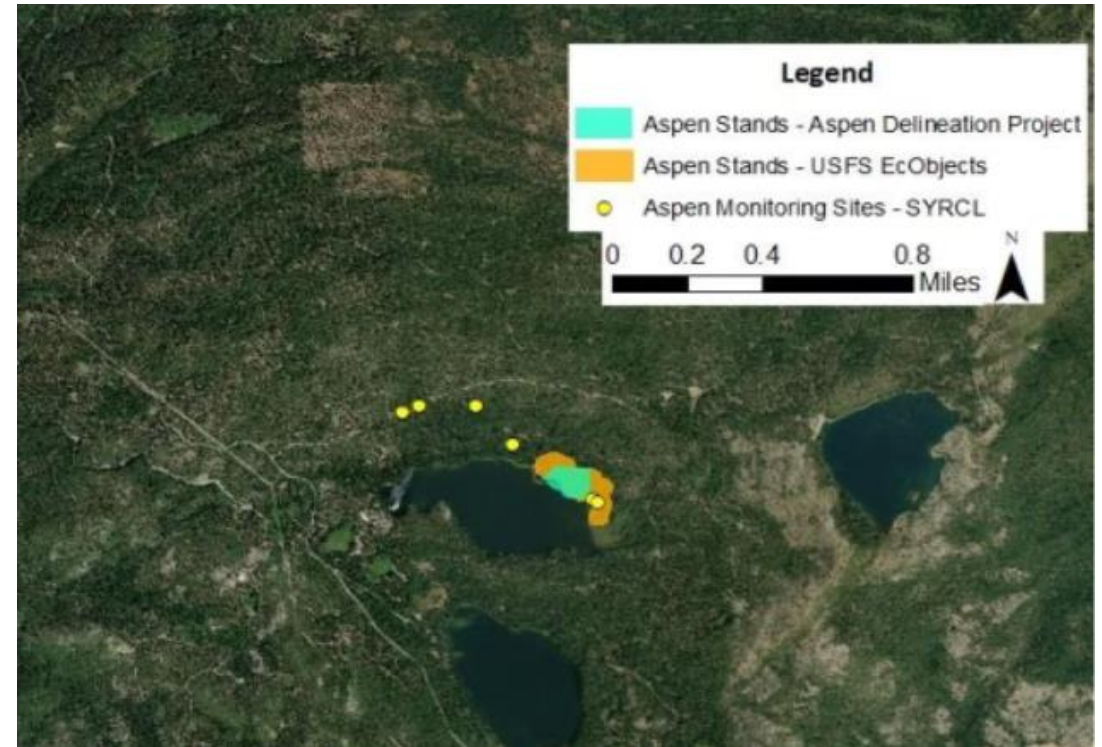
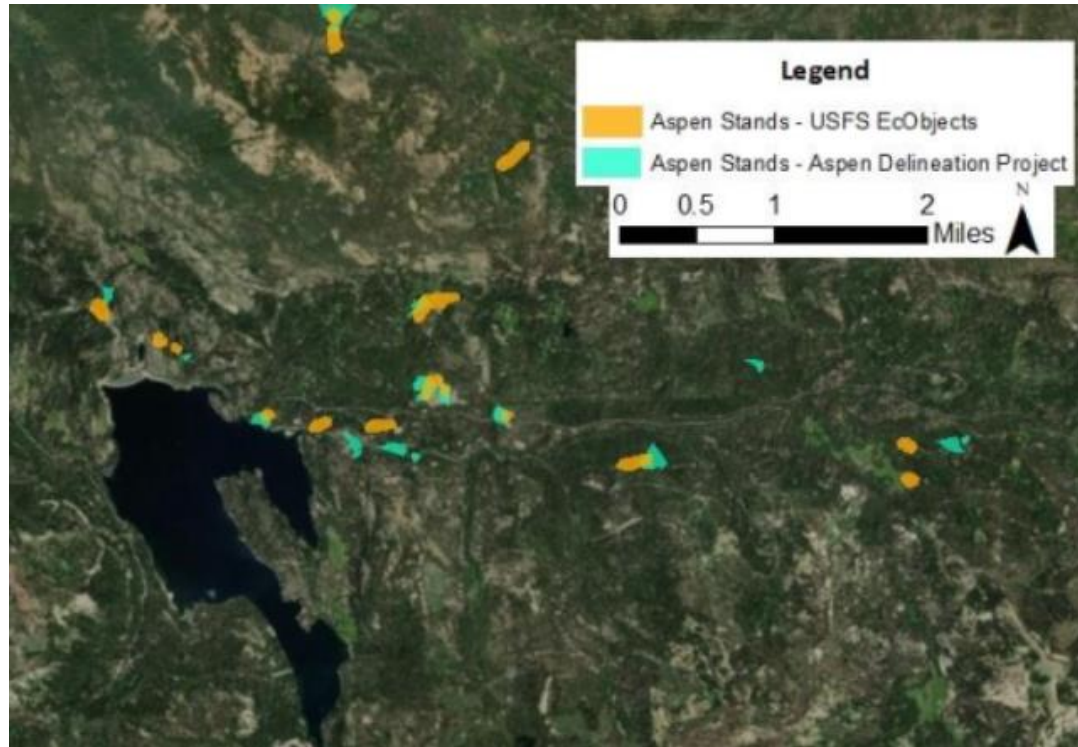
## Yuba River Headwaters Aspen Restoration Planning Multiple Counties

WCB  
State of California  
Wildlife Conservation Board

5 Miles

12 WCB 5/20/2021





## 12. Yuba River Headwaters Aspen Restoration Planning

Slide 1

Left: Jackson Meadow Reservoir

Right: Rucker Lake





## 12. Yuba River Headwaters Aspen Restoration Planning

Slide 2

Since 2011, SYRCL has partnered with the Tahoe National Forest to work with volunteers to monitor aspen stands and remove encroaching conifers. Restoration sites have included Rucker Lake, Pierce Wetlands, Loney Meadows, and Butcher Ranch. Volunteers celebrate after a hard day's work at Butcher Ranch (2013).





## 12. Yuba River Headwaters Aspen Restoration Planning

Slide 3

Two volunteers learn to measure aspen diameter with SYRCL's Restoration Manager at Rucker Lake (2015).





## 12. Yuba River Headwaters Aspen Restoration Planning

Slide 4

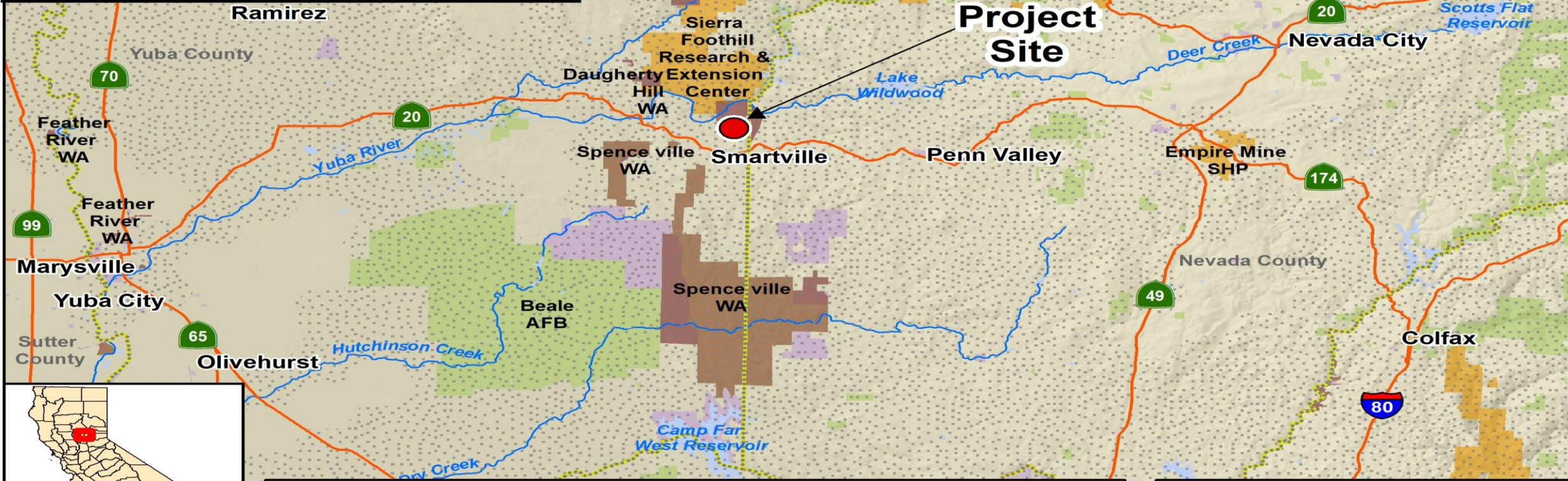
---

- Volunteers rest during a field monitoring workday at Loney Meadows (2017).





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



**Lower Yuba River-Excelsior, Expansion IV  
Yuba County**

WCB  
State of California  
Wildlife Conservation Board

5 Miles

13 WCB 5/20/2021





# 13. Lower Yuba River – Excelsior, Expansion IV

Slide 1

Looking southwest across the property toward a large rock formation



Apr 5, 2021 11:04:57 AM  
39.21338355N 121.28889963W  
214° SW

8633 Capra Way, Smartsville, CA 95977, USA  
Altitude:217.7m  
Speed:0.0km/h  
Index number: 60





# 13. Lower Yuba River— Excelsior, Expansion IV

Slide 2

- Looking west



Apr 5, 2021 11:03:56 AM  
39.2140926N 121.28857942W  
270° W

Natoma Way, Smartsville, CA 95977, USA  
Altitude:233.5m  
Speed:0.0km/h  
Index number: 59

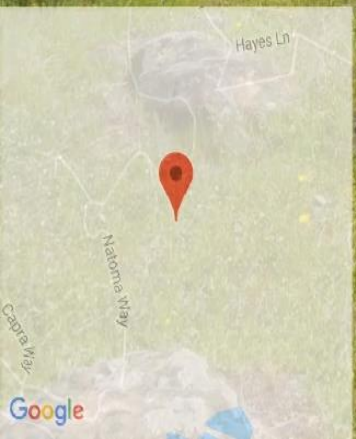




## 13. Lower Yuba River – Excelsior, Expansion IV

Slide 3

- Rock outcroppings and oaks



Apr 5, 2021 11:03:26 AM  
39.21452834N 121.28850841W  
29° NE

Natoma Way, Smartsville, CA 95977, USA  
Altitude:242.4m  
Speed:0.0km/h  
Index number: 58





# 13. Lower Yuba River – Excelsior, Expansion IV

Slide 4

- Cattle grazing



Apr 5, 2021 11:01:14 AM  
39.21610197N 121.28756785W  
216° SW

Natoma Way, Smartsville, CA 95977, USA

Altitude: 265.6m

Speed: 0.0km/h

Index number: 57





## 13. Lower Yuba River – Excelsior, Expansion IV

Slide 5

- Oak trees and meadow



Apr 5, 2021 11:00:45 AM  
39.21671435N 121.28737346W  
210° SW

Tara Ln, Smartsville, CA 95977, USA

Altitude: 274.2m

Speed: 0.0km/h

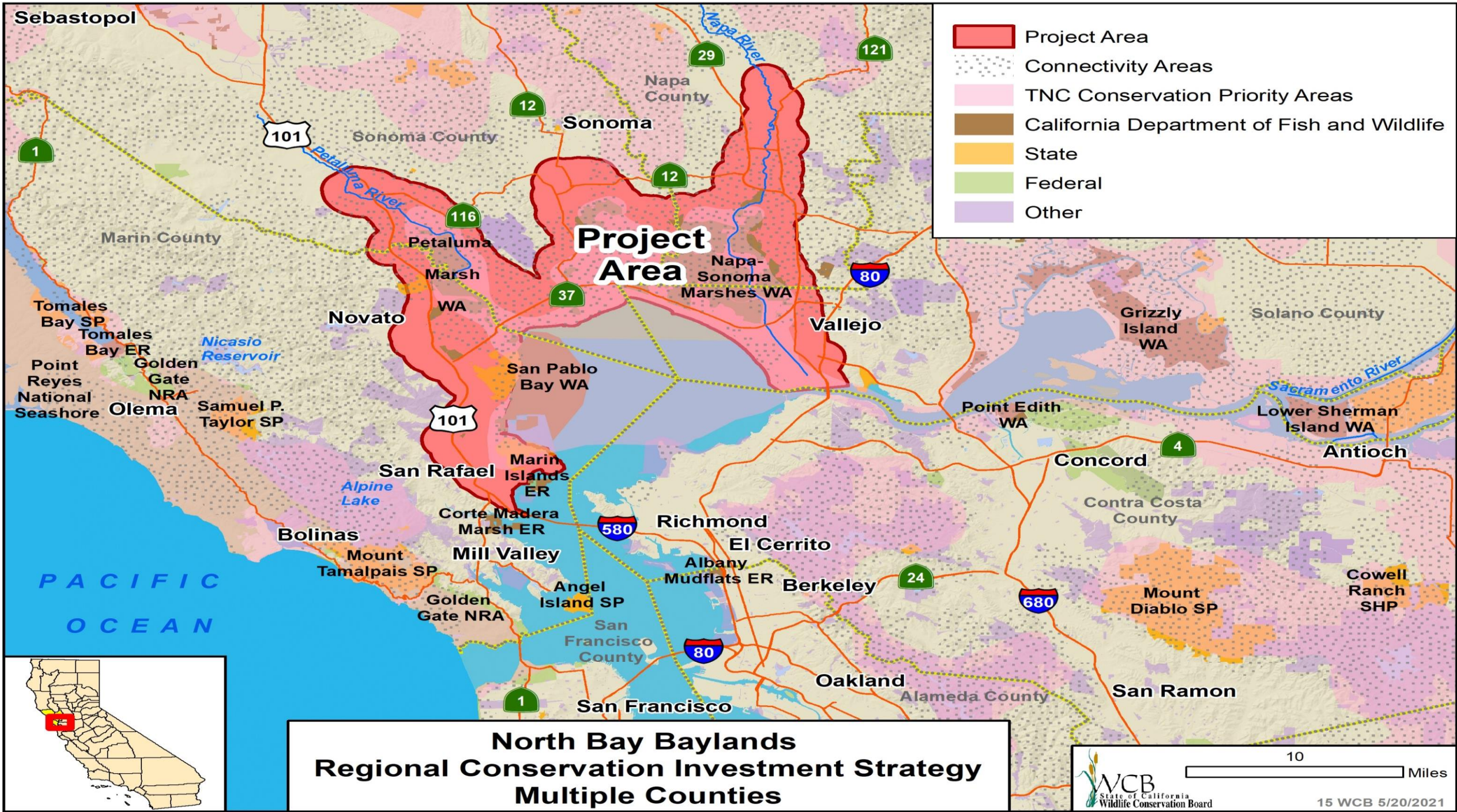
Index number: 56



# 14. Hawk Hill Visitor Access Improvements

Withdrawn from consideration at this time.









# 15. North Bay Baylands Regional Conservation Investment Strategy

Slide 1

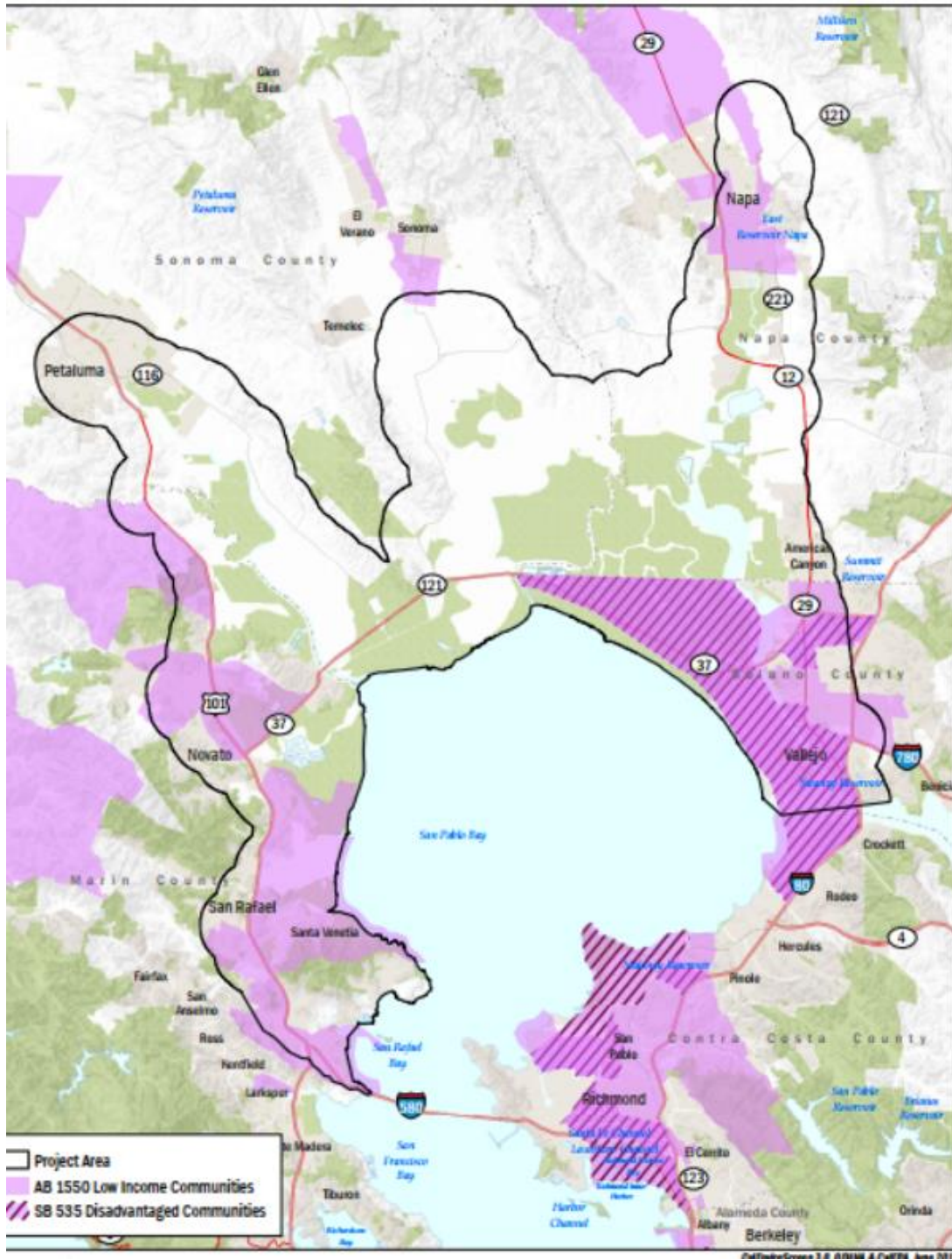
Project area map



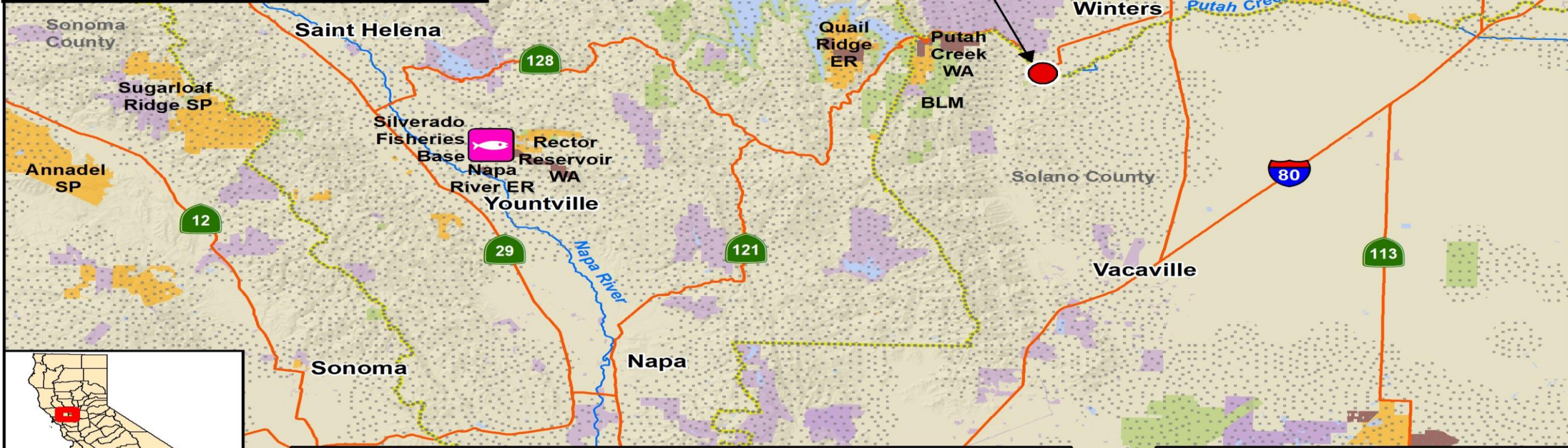
# 15. North Bay Baylands Regional Conservation Investment Strategy

Slide 2

Project area map showing DAC







**Lake Solano Park Public Access, Planning Solano County**



## 16. Lake Solano Park Public Access, Planning

Slide 1

- Current condition of Beetle Point trailhead area, west side. Note lack of way finding signage and clear trail location. Planning efforts for this area will focus on site design and permitting for an entrance area kiosk, a 1,000-foot ADA-accessible trail, a half-acre demonstration garden, and interpretive panels.





# 16. Lake Solano Park Public Access, Planning

Slide 2

- Current condition of Beetle Point trailhead area, east side. Relict piles of debris detract from the character and potential for the site to serve the public. In the foreground, drainage issues are visible. Planning efforts for this area will focus on removing the debris and creating shallow swales vegetated with native plants to address drainage issues.





# 16. Lake Solano Park Public Access, Planning

Slide 3

- Current erosion and drainage issues along the Beetle Point trail system are due to lack of drainage structures to divert water off the road, resulting in sediment movement and rill formation on the trail. Planning efforts for the trail will include grade reversals (water bars, grade dips, ditches, re-sloping) to move water off the trail and prevent erosion.





## 16. Lake Solano Park Public Access, Planning

Slide 4

- The derelict condition of the existing interpretive panels and the lack of native vegetation along the Beetle Point trail system reduces the quality of the visitor experience and created a missed opportunity for interpretation and education. In addition to developing new interpretive panels, planning efforts for this area will include a restoration site design that uses native trees and shrubs to increase shade for trail users.

A wooden trail marker post stands in a grassy field. The post is made of dark wood and has a flat wooden top. A small, rectangular sign is attached to the post. The sign is white with black text. The background shows a rolling landscape with green grass, some trees, and hills under a cloudy sky.

TM 22  
BLUERIDGE/PLEASANT RIDGE  
VACA MOUNTAINS  
WATERSHED



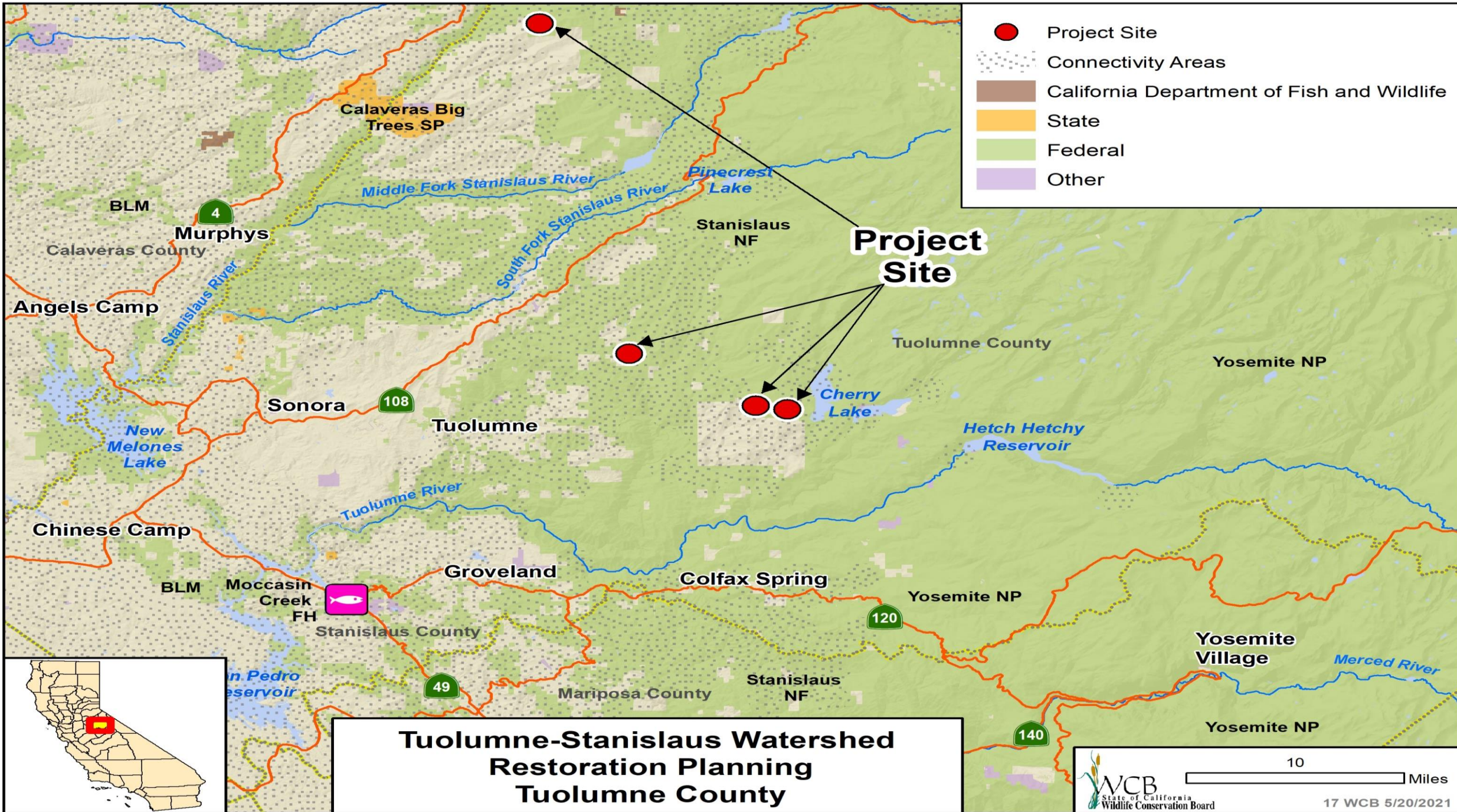


## 16. Lake Solano Park Public Access, Planning

Slide 5

- The Lake Solano Park boathouse, boat launch, and adjacent shoreline are in need of wayfinding signage and interpretive panels to promote boating and fishing access and to improve educational and stewardship opportunities.





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

**Project Site**

**Tuolumne-Stanislaus Watershed  
Restoration Planning  
Tuolumne County**



# 17. Tuolumne- Stanislaus Watershed Restoration Planning

Slide 1

- Top: From headcut looking downstream at Little Rattlesnake Tributary
- Bottom: Looking Upstream toward active headcut at Little Rattlesnake Tributary. Gully is about 20 ft wide by 7ft deep.





17. Tuolumne-Stanislaus  
Watershed Restoration Planning  
Slide 2

---

- Downstream headcut, note plume of fine sediment being transported. Little Rattlesnake Tributary





# 17. Tuolumne- Stanislaus Watershed Restoration Planning

Slide 3

- Boney Flat Meadow –  
One of numerous  
hedacuts along channel.







## 17. Tuolumne-Stanislaus Watershed Restoration Planning

Slide 4

Left: Boney Flat Meadow – Inset floodplain along main channel. Channel can no longer access meadow surface.

Right: Boney Meadow Flat – Looking across meadow from main channel.





17. Tuolumne-Stanislaus  
Watershed Restoration Planning  
Slide 5

Boggy Meadow – Left: Small  
headcut at top of stream  
channel (next to shovel).  
Right: Incised stream channel,  
downstream of left photo.





# 17. Tuolumne- Stanislaus Watershed Restoration Planning

Slide 6

Boggy Meadow – Tributary to  
main channel. This used to be  
sheet flow, but channelized.





# 17. Tuolumne- Stanislaus Watershed Restoration Planning

Slide 7

Cottonwood Meadow – Looking  
down deep main gully on  
Cottonwood Creek.







# 17. Tuolumne- Stanislaus Watershed Restoration Planning

Slide 8

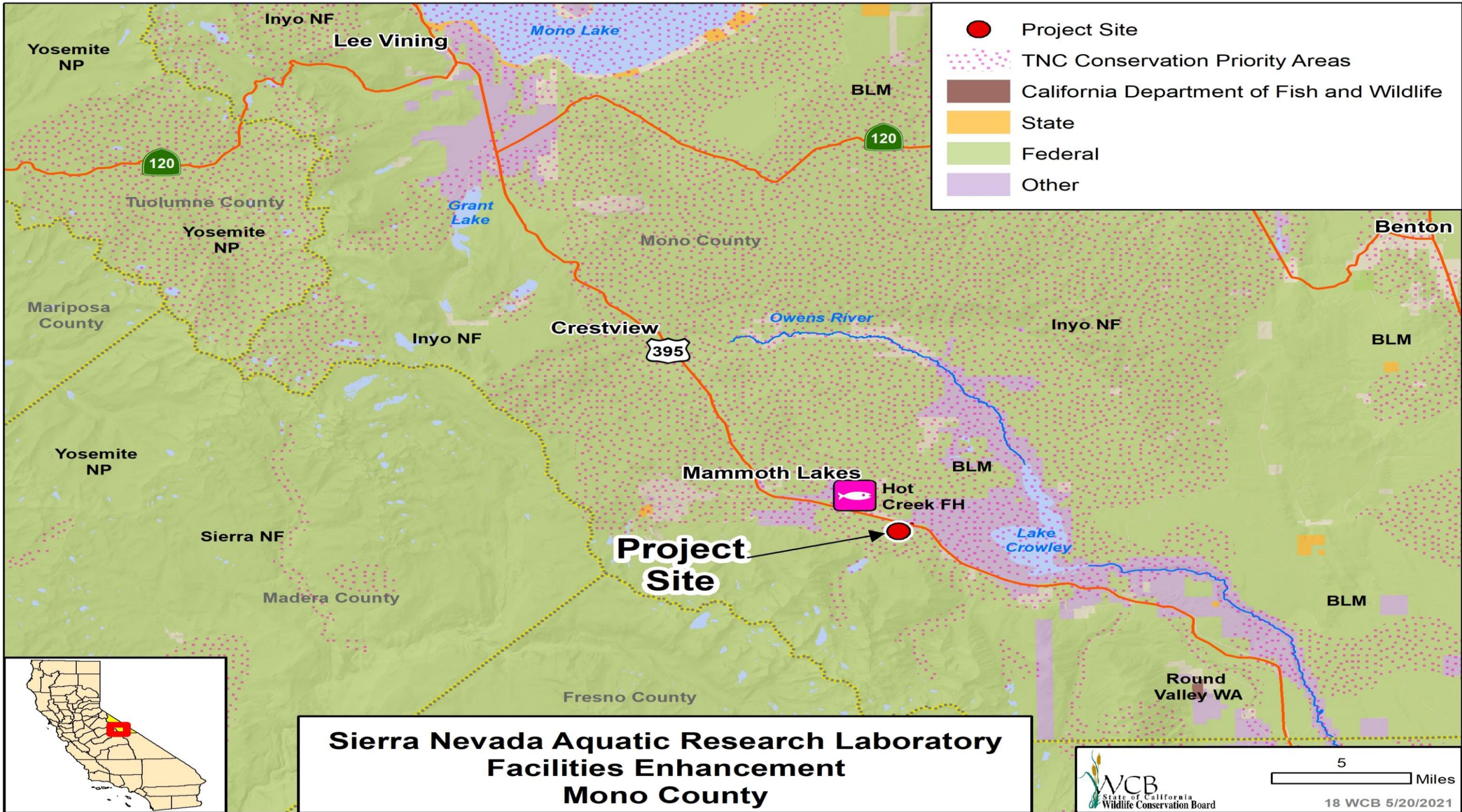
Cottonwood Meadow –

Right: Looking across  
gully to right bank of  
Cottonwood Creek,  
note eroding slope.

Left: Side tributary has  
headcut and old rock  
stabilization is failing.  
Aspen standing in  
background.







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

**Sierra Nevada Aquatic Research Laboratory  
Facilities Enhancement  
Mono County**



5 Miles





# 18. Sierra Nevada Aquatic Research Laboratory Facilities Enhancement

Slide 1

---

SNARL in spring





18. Sierra Nevada Aquatic Research Laboratory Facilities Enhancement  
Slide 2

SNARL in winter





# 18. Sierra Nevada Aquatic Research Laboratory Facilities Enhancement

Slide 3

SNARL Headquarters



# 18. Sierra Nevada Aquatic Research Laboratory Facilities Enhancement

Slide 4

SNARL Aspen House







18. Sierra Nevada Aquatic  
Research Laboratory  
Facilities Enhancement  
Slide 5

SNARL Dormitory





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

**Project Area**

© 2021 Microsoft Corporation © 2021 TomTom



**Shoreline Park Public Access, Planning  
San Mateo County**

5 Miles

19 WCB 5/20/2021



# 19. Shoreline Park Public Access, Planning

Slide 1



Degraded seawall and Bay Trail



Sanchez Creek



Kincaid's Restaurant entrance



Parking Lot and Pedestrian Bridge

## Existing conditions of Shoreline Park



Formerly filled site with ruderal vegetation



View along Airport Boulevard





Kite Surfing  
Water Access

Seawall

Boardwalk and  
Gathering Space

Vegetated Marsh

Sea wall Breach

Bay Trail

Western  
Lawn

Bay Trail

Bay Trail

Eastern  
Lawn

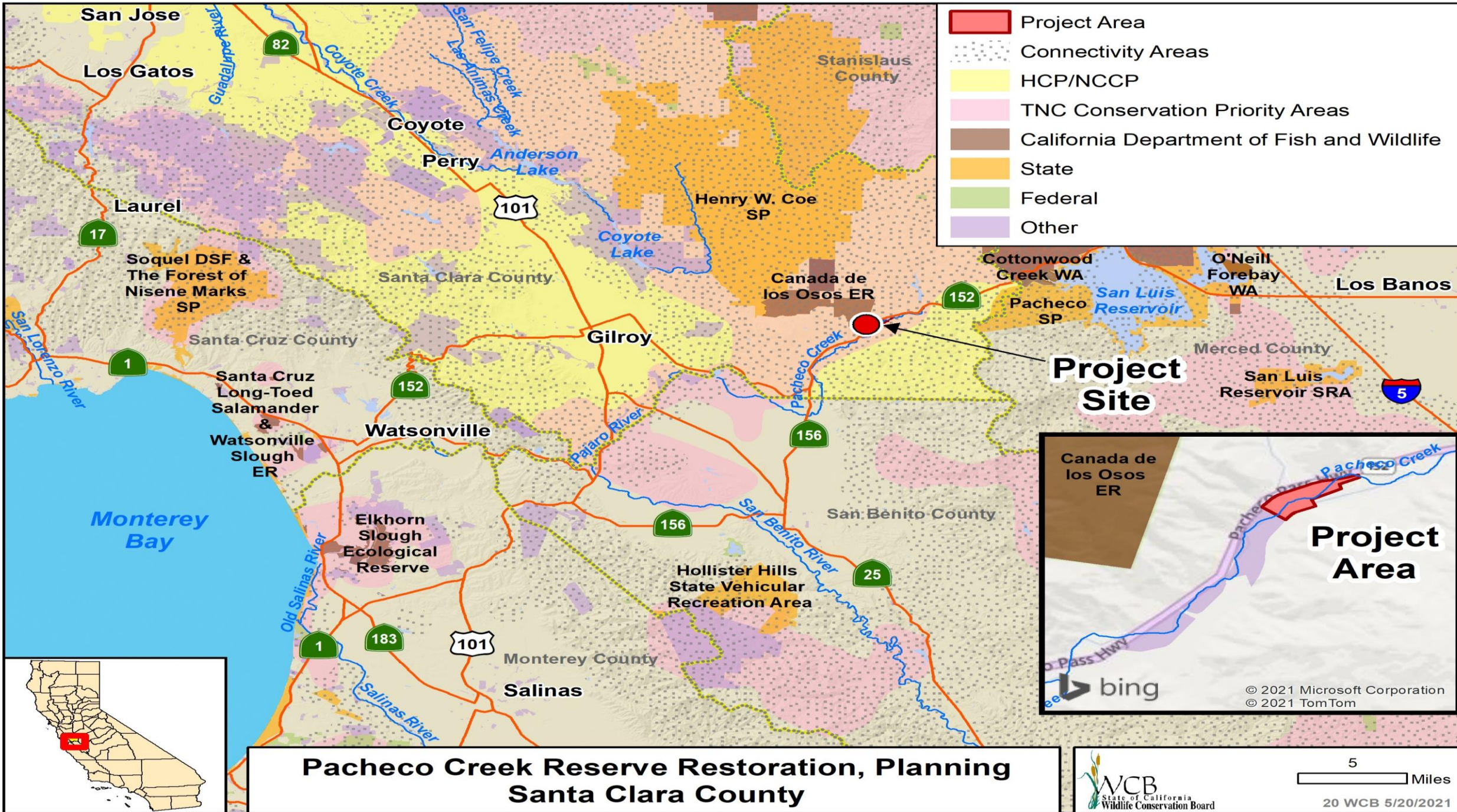
Kayak  
Launch

Education Center

# 19. Shoreline Park Public Access, Planning

Slide 2





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

**Project Site**



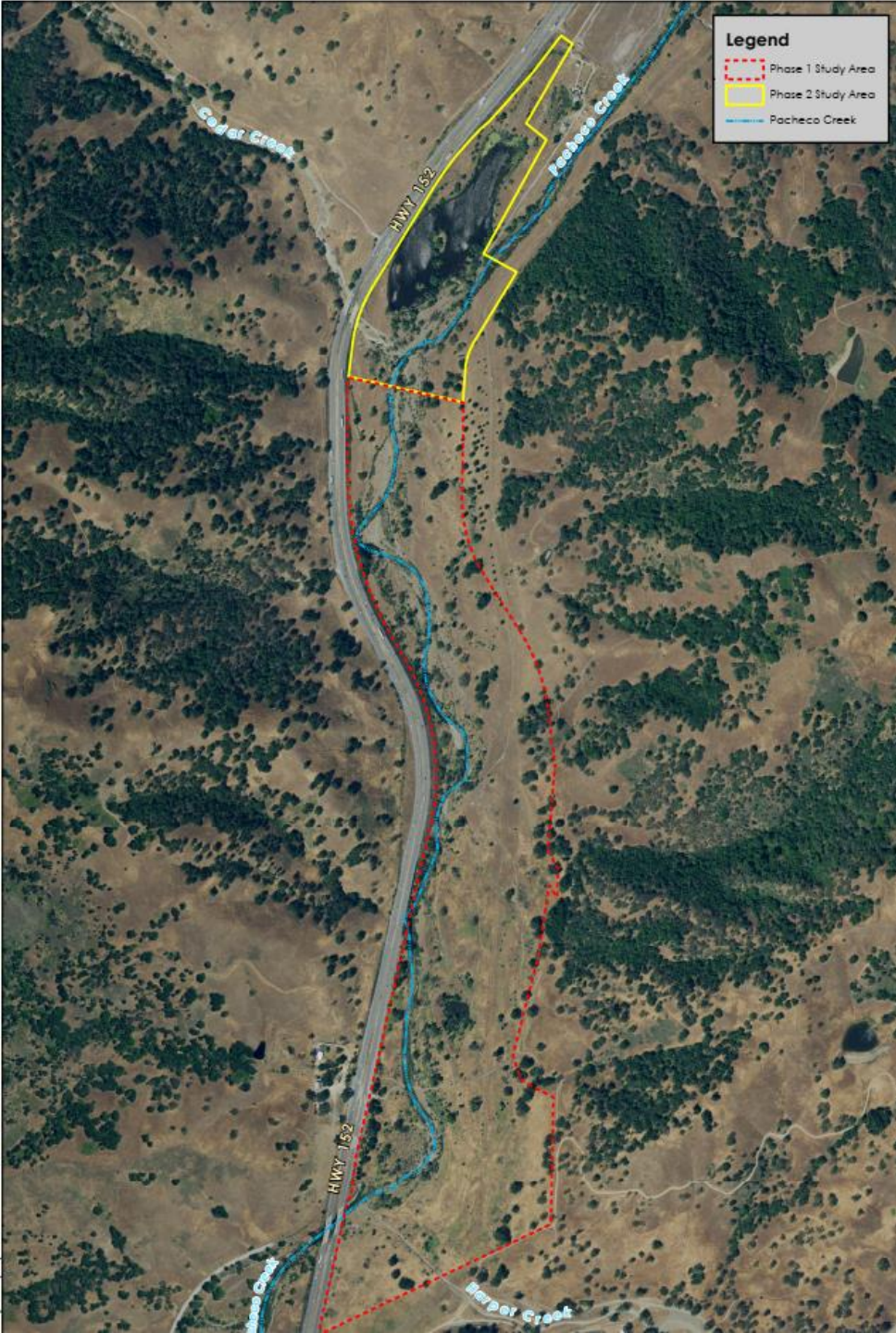
© 2021 Microsoft Corporation  
© 2021 TomTom

## Pacheco Creek Reserve Restoration, Planning Santa Clara County



5 Miles





## 20. Pacheco Creek Reserve Restoration, Planning

Slide 1

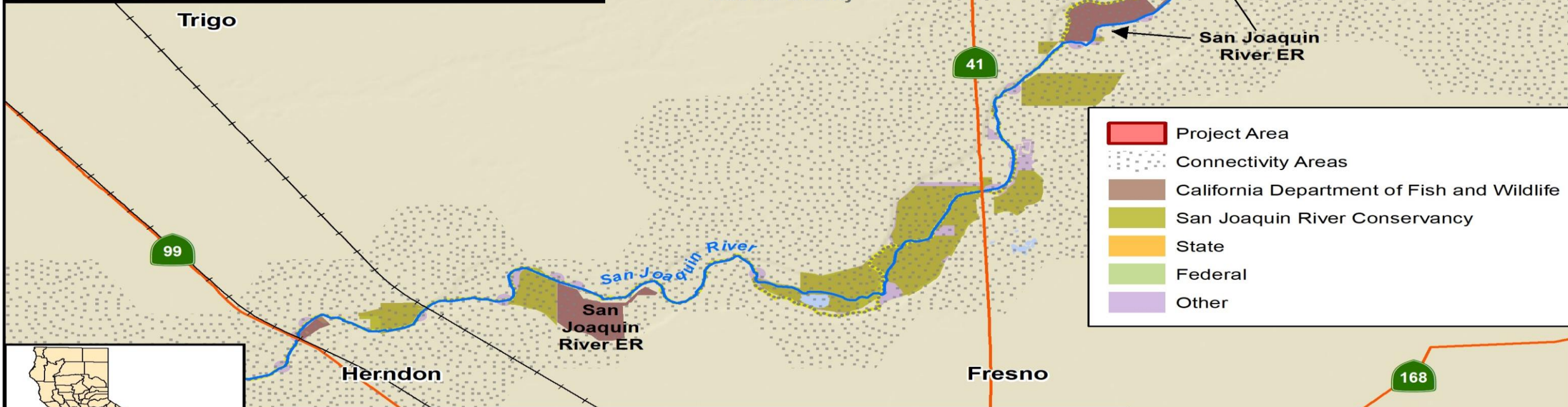
- 
- Project area, featuring Phase 1 and Phase 2 planning areas.



# 21. Newman Seasonal Inland Wetland Restoration

Withdrawn from consideration at this time.







<span style="display:inline-block; width:15px; height:10px; background-color:red; border:1px solid black;"></span>	Project Area
<span style="display:inline-block; width:15px; height:10px; background-image: radial-gradient(black 1px, transparent 0); background-size: 4px 4px;"></span>	Connectivity Areas
<span style="display:inline-block; width:15px; height:10px; background-color: #8B4513;"></span>	California Department of Fish and Wildlife
<span style="display:inline-block; width:15px; height:10px; background-color: #808000;"></span>	San Joaquin River Conservancy
<span style="display:inline-block; width:15px; height:10px; background-color: #FFA500;"></span>	State
<span style="display:inline-block; width:15px; height:10px; background-color: #90EE90;"></span>	Federal
<span style="display:inline-block; width:15px; height:10px; background-color: #DDA0DD;"></span>	Other



**San Joaquin River Parkway,  
Ball Ranch Managed Aquifer Recharge Planning  
Fresno County**


2 Miles  
22 WCB 5/20/2021




A large, mature valley oak tree stands in a dry, yellowish-brown field. The tree has a thick, dark trunk and a dense, spreading canopy of green leaves. The ground is covered in dry grass and some fallen branches. In the background, there are more trees and a cloudy sky.

## 22. San Joaquin River Parkway, Ball Ranch Managed Aquifer Recharge Planning

Slide 1

- Mature valley oak amidst the non-native grass and star thistle found in the interior of Ball Ranch, Fresno County, California. River Partners.



A photograph of a riverbank. The river is on the left, with a calm surface reflecting the sky and trees. The right bank is covered in dry, yellowish-brown grass and some green shrubs. A large, leafy tree stands on the right bank. In the foreground, there is a small, dark, rectangular object, possibly a piece of wood or a small structure, partially submerged in the water. The sky is clear and blue.

22. San Joaquin River Parkway, Ball  
Ranch Managed Aquifer Recharge  
Planning  
Slide 2

Visible cobble lens in the soil surrounding the  
Main Pond at Ball Ranch, Fresno County,  
California. River Partners.





## 22. San Joaquin River Parkway, Ball Ranch Managed Aquifer Recharge Planning

Slide 3

- Typical wetland with steep slopes at the Ball Ranch and Willow Unit, Fresno County, California. River Partners.



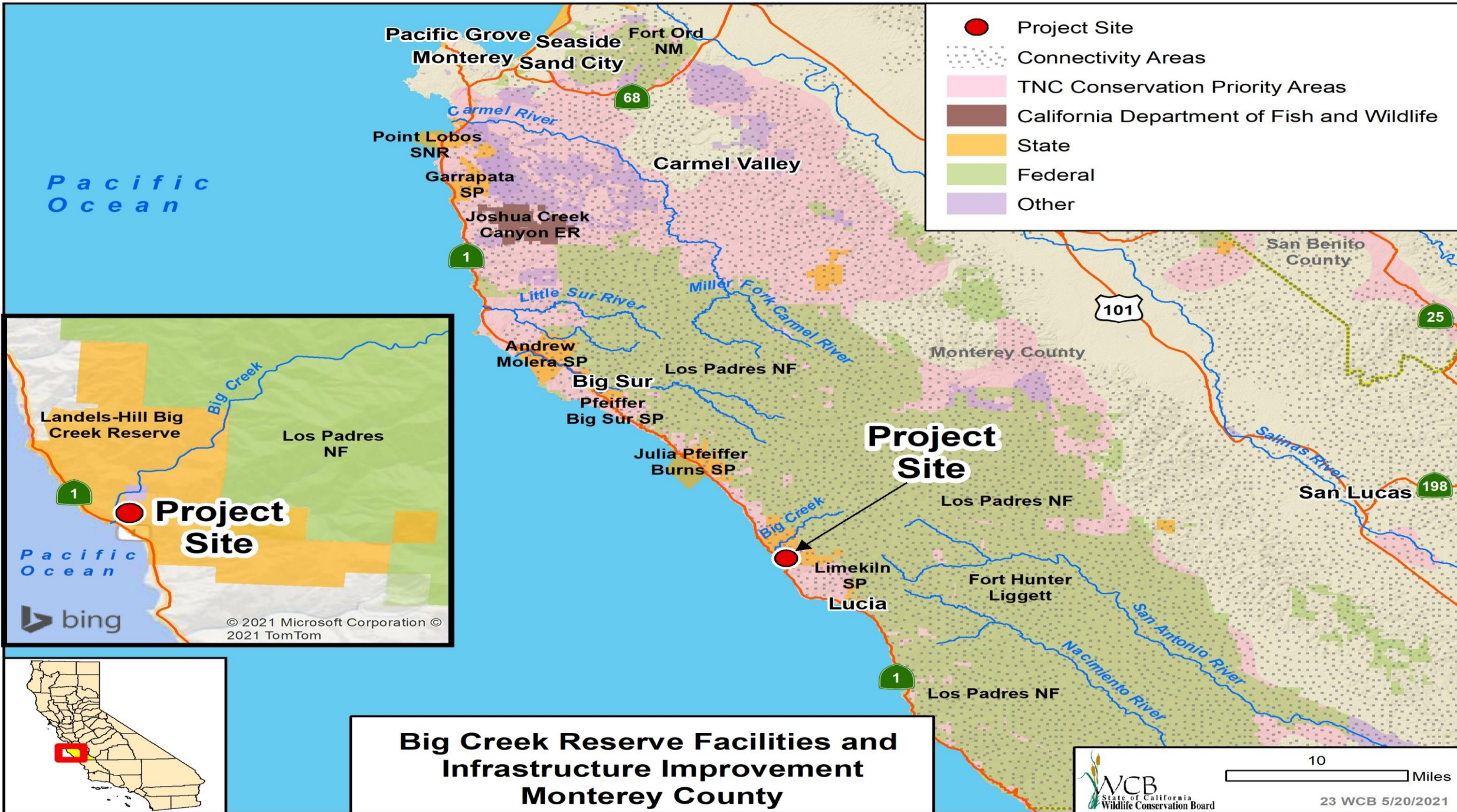
## 22. San Joaquin River Parkway, Ball Ranch Managed Aquifer Recharge Planning

Slide 4

- The downstream view of the San Joaquin River, taken from the Ledger Island Bridge on December 15, 2020. River Partners.







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



**Big Creek Reserve Facilities and Infrastructure Improvement  
Monterey County**





**23. Big Creek Reserve  
Facilities and Infrastructure  
Improvement**

Slide 1

---

Solar array at Whale Point





## 23. Big Creek Reserve Facilities and Infrastructure Improvement Slide 2

- Battery banks at Coyote Creek





# 23. Big Creek Reserve Facilities and Infrastructure Improvement

Slide 3

Coyote Creek Operations Yard





23. Big Creek Reserve  
Facilities and Infrastructure  
Improvement

Slide 4

---

Gateway Research Facility





23. Big Creek Reserve  
Facilities and Infrastructure  
Improvement

Slide 5

---

Whale Point Research Facility





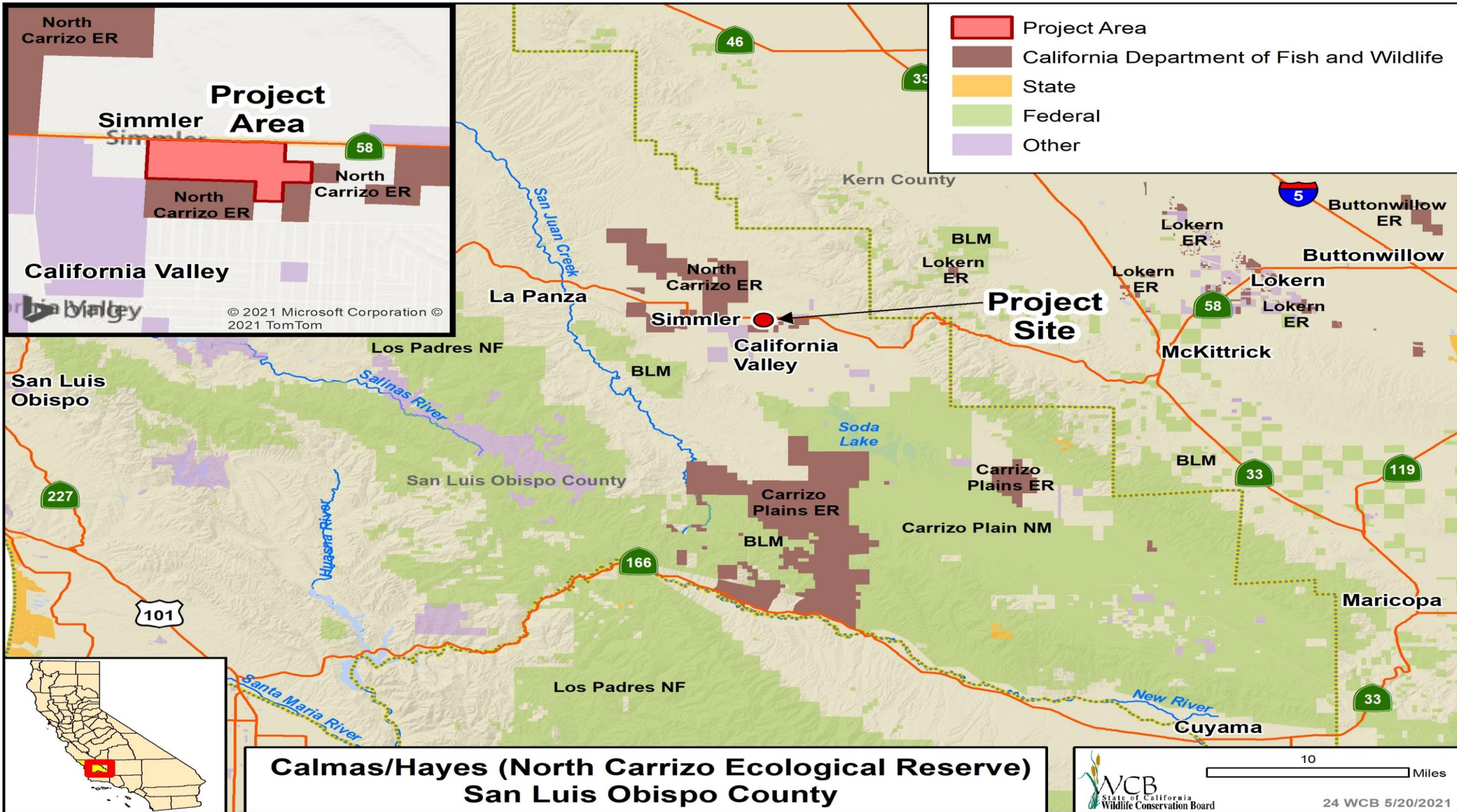
**23. Big Creek Reserve  
Facilities and Infrastructure  
Improvement**

Slide 6

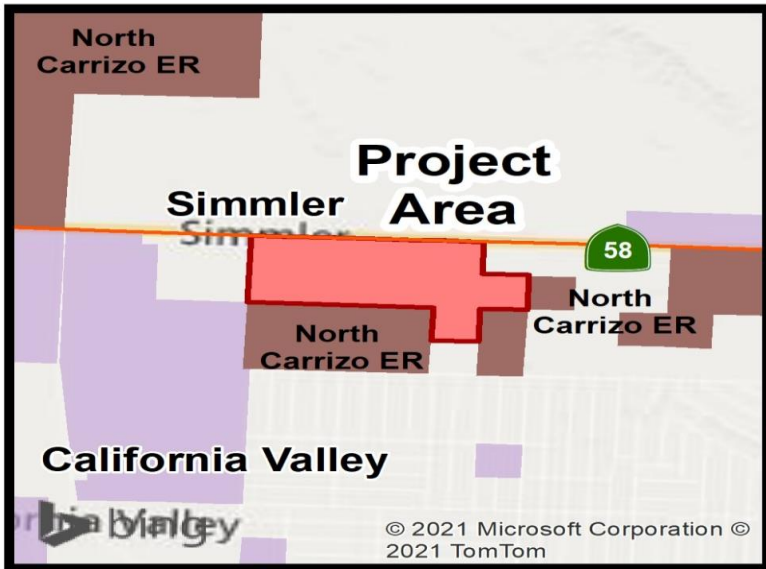
---

Canyon Road repair site





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



**Calmas/Hayes (North Carrizo Ecological Reserve)  
San Luis Obispo County**






# 24. Calmas/Hayes (North Carrizo Ecological Reserve)

Slide 1

Facing south from the northern parcel boundary.






# 24. Calmas/Hayes (North Carrizo Ecological Reserve)

Slide 2

Facing south from the northern parcel boundary.






**24. Calmas/Hayes  
(North Carrizo  
Ecological Reserve)**

Slide 3

---

Facing south from the northern  
parcel boundary.





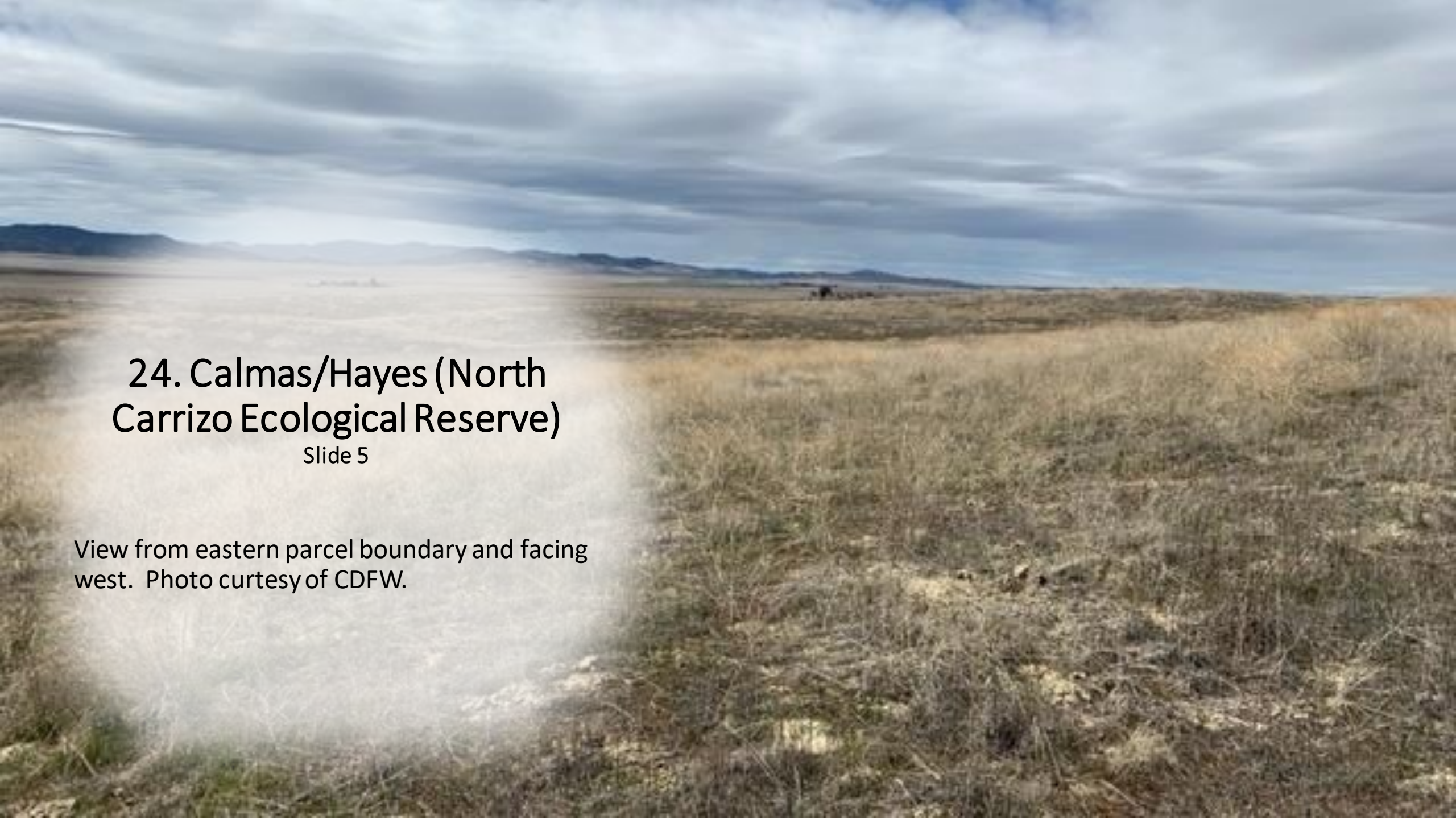
**24. Calmas/Hayes  
(North Carrizo  
Ecological Reserve)**

Slide 4

---

View from the western parcel  
boundary facing east.





## 24. Calmas/Hayes (North Carrizo Ecological Reserve)

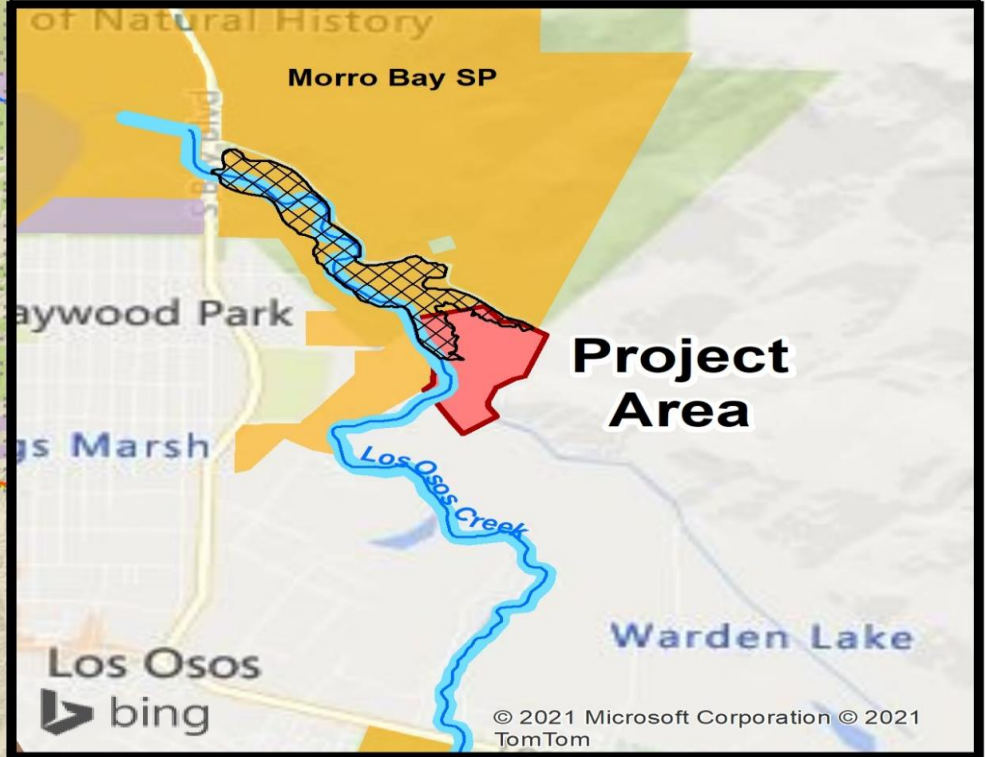
Slide 5

View from eastern parcel boundary and facing west. Photo courtesy of CDFW.





- Project Area
- Connectivity Areas
- Tidewater Goby Critical Habitat
- South-Central California Coast Steelhead Critical Habitat
- TNC Conservation Priority Areas
- California Department of Fish and Wildlife
- State
- Federal
- Other



**Los Osos Wetland Restoration  
San Luis Obispo County**





## 25. Los Osos Wetland Restoration

Slide 1

Homestead that sits on 16 acres of upland dune scrub habitat.

Photo credit: Jen Paludi, CSLRCD



# 25. Los Osos Wetland Restoration

Slide 2

- Road to homestead will be decommissioned and revegetated with native plants.
- Photo credit: Jen Paludi, CSLRCD





# 25. Los Osos Wetland Restoration

Slide 3

- Los Osos Creek confined by levees. Levee will be breached in several areas to reconnect creek to historic floodplain.
- Photo credit: Jen Paludi, CSLRCD







## 25. Los Osos Wetland Restoration

Slide 4

- Historic creek channel
- Photo credit: Jen Paludi, CSLRCD



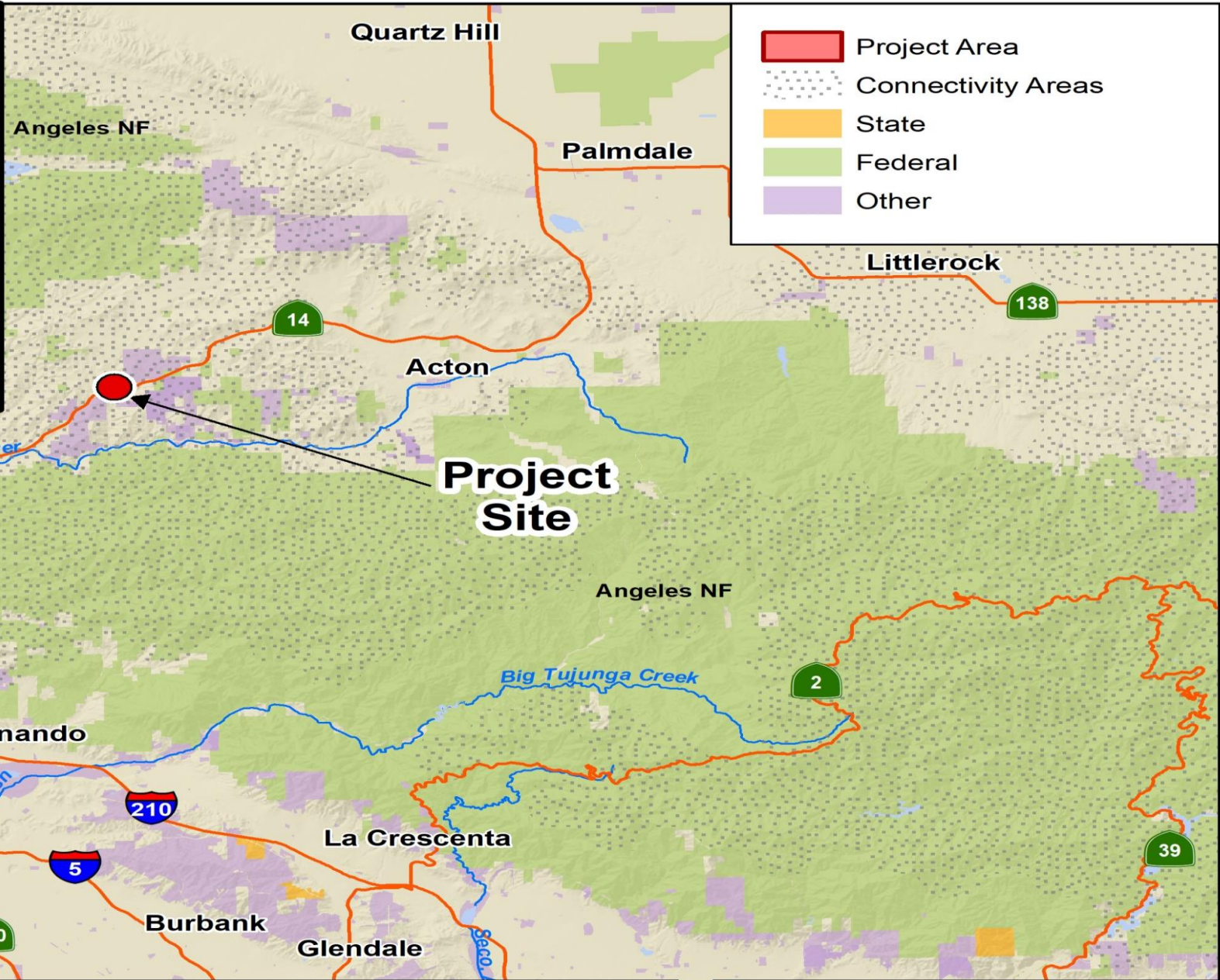
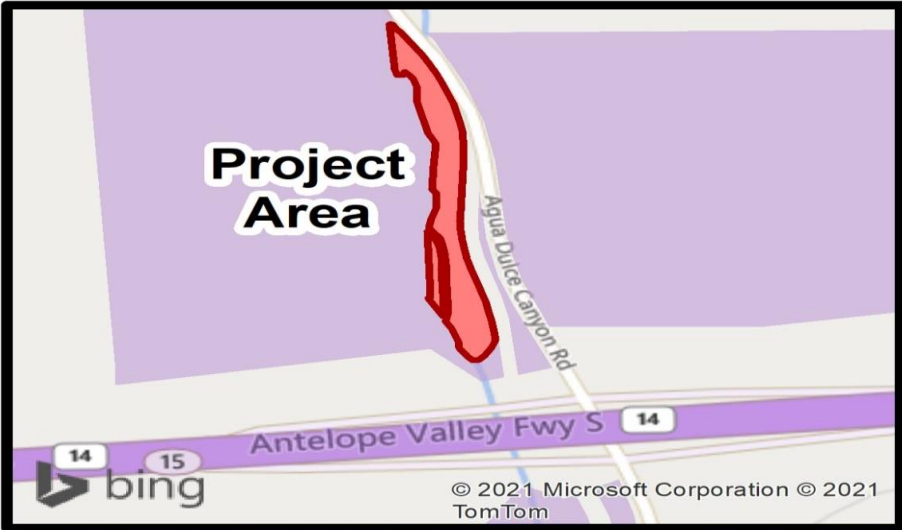
# 25. Los Osos Wetland Restoration

Slide 5

- Declining palustrine wetland will be enhanced.
- Photo credit: Jen Paludi, CSLRCD







**Agua Dulce Creek SR 14 Wildlife Undercrossing  
Los Angeles County**

5 Miles

26 WCB 5/20/2021





## 26. Agua Dulce Creek SR 14 Wildlife Undercrossing

Slide 1

Left: Looking east at Agua Dulce Creek culvert entering Project Area. Large mulefat in lower right evidence of support for riparian species within Project Area's ephemeral drainage.

Right: Looking south from proposed Photo Monitor Site #1 within Agua Dulce Canyon Road pullout. Evidence of illegal dumping on both sides of berm. Mustard, ripgut brome, and common oat dominate.



## 26. Agua Dulce Creek SR 14 Wildlife Undercrossing

Slide 2

Top: Looking northwest at Project Area from proposed Photo Monitor Site #2. Large Arundo stand crowding into desert olive with mustard surrounding.

Bottom: Looking south from pullout area at dense non-native vegetation dominating ephemeral channel: ripgut brome, mustard, and common oat in foreground, Arundo and tree tobacco in middle distance.







## 26. Agua Dulce Creek SR 14 Wildlife Undercrossing

Slide 3

Left: Looking south from proposed Photo Monitor Site #2 with mustard surrounding California sagebrush on bench above ephemeral channel. Elderberry and sandbar willow in lower right corner.

Right: Looking northwest from proposed Photo Monitor Site #3 with non-native mustard, common oat, and ripgut brome dominant.



## 26. Agua Dulce Creek SR 14 Wildlife Undercrossing

Slide 4

Top: Looking south at Project Area from proposed Photo Monitor Site #3. Non-native plants continue to dominate Project Area and ephemeral drainage.

Bottom: Looking west from proposed Photo Monitor Site #3 at central portion of Project Area. Vegetation is again dominated by mustard with occurrences of California buckwheat, elderberry, and desert olive.







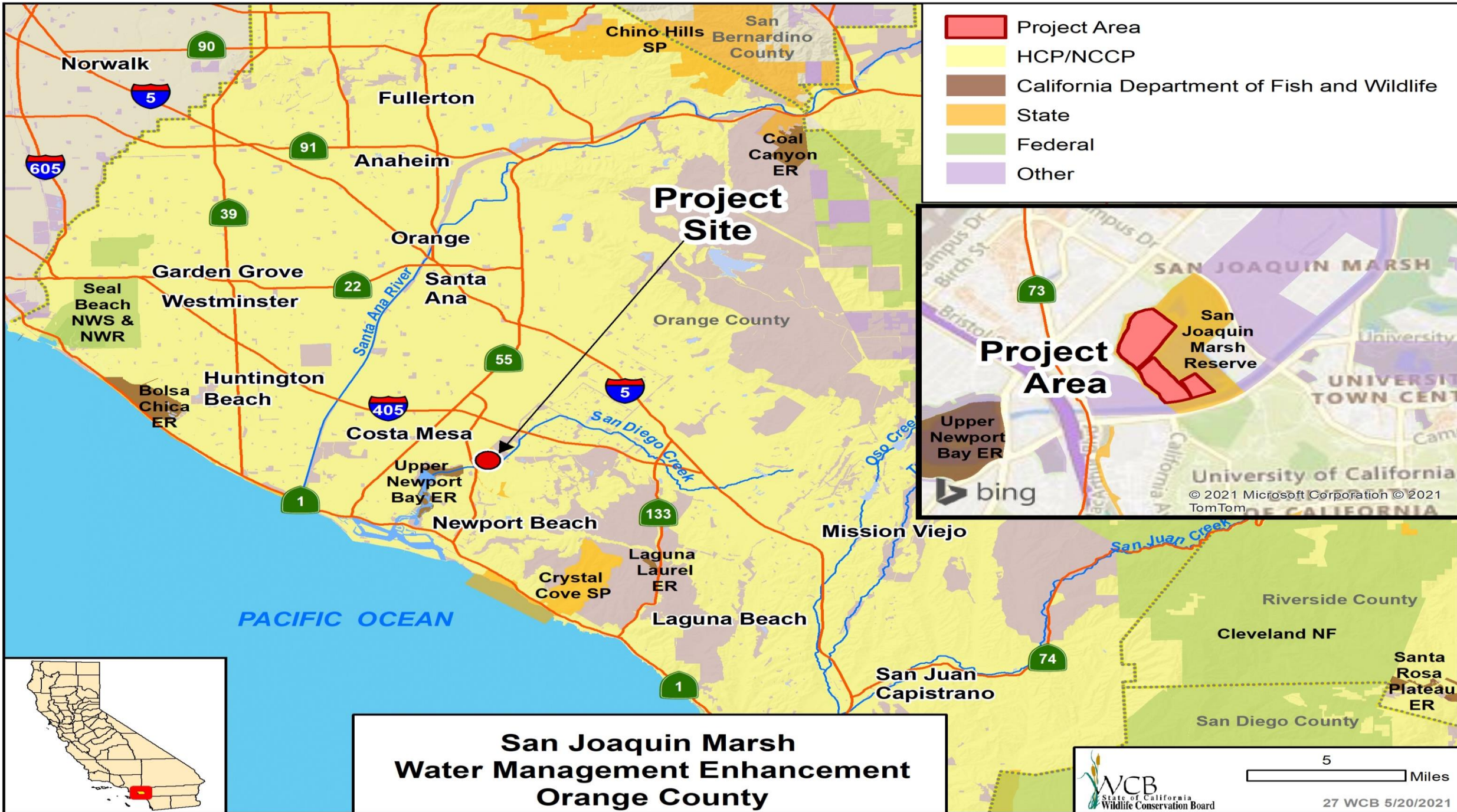
## 26. Agua Dulce Creek SR 14 Wildlife Undercrossing

Slide 5

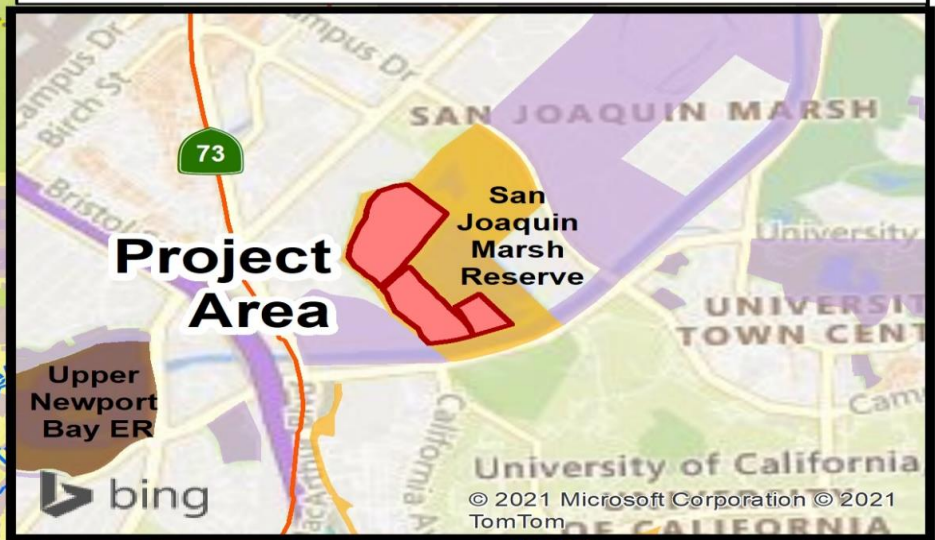
Left: Looking west from proposed Photo Monitor Site #4 above outfall of small, un-named drainage from Vasquez Rocks Natural Area into Project Area. Active low-flow channel is at base of hillslope. Occurrences of yucca indicate Project Area vegetation transition to desert scrub elements.

Right: Looking southwest towards southern extent of Project Area from proposed Photo Monitor Site #4. Vehicle barrier guards the entrance to Agua Dulce Creek culvert below SR-14.





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



**San Joaquin Marsh  
Water Management Enhancement  
Orange County**








**27. San Joaquin Marsh Water  
Management Enhancement**  
Slide 1

Middle Marsh





# 27. San Joaquin Marsh Water Management Enhancement

Slide 2

---

Middle to Lower Marsh boundary



9/28/06





# 27. San Joaquin Marsh Water Management Enhancement

Slide 3

---

Lower Marsh





San Diego Creek

Outlet Structure

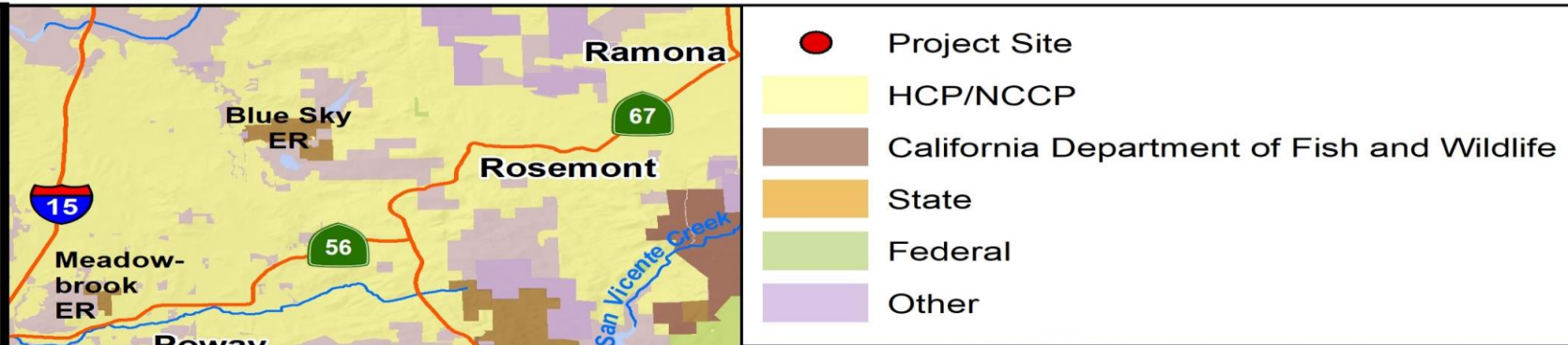
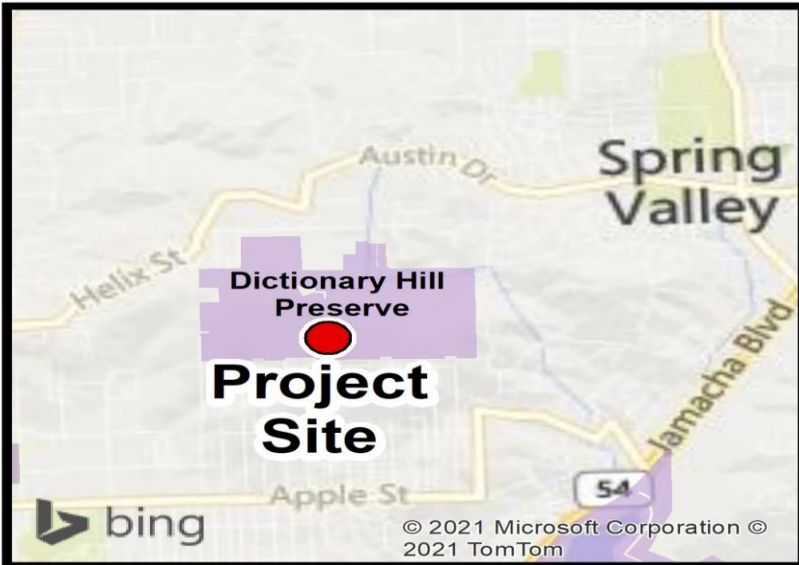
# 27. San Joaquin Marsh Water Management Enhancement

Slide 4

---

- Location of outlet reconstruction from Lower Marsh to San Diego Creek





# Coastal California Gnatcatcher Habitat Restoration San Diego County

WCB  
State of California  
Wildlife Conservation Board

5 Miles

28 WCB 5/20/2021





[ ] Preserve Boundary  
 [ - - ] 100-ft Buffer  
**Vegetation**  
**Herbaceous**  
 [ Blue ] 42200 Non-Native Grassland  
**Scrub**  
 [ Purple ] 32000 Coastal Scrub  
 [ Brown ] 32500 Diegan Coastal Sage Scrub  
 [ Red ] 32500 Diegan Coastal Sage Scrub: Baccharis dominated  
**Woodland**  
 [ Light Green ] 62500 Southern Riparian Woodland  
 [ Dark Green ] 79100 Eucalyptus Woodland  
**Other**  
 [ Grey ] 10000 Disturbed  
 [ Hatched ] 12000 Urban/Developed

# 28. Coastal California Gnatcatcher Habitat Restoration

Slide 1

Site Location



A wide-angle landscape photograph showing a valley with a town, a reservoir, and mountains under a cloudy sky. The foreground is a dry, hilly area with sparse vegetation and a dirt path. In the middle ground, a town is visible, followed by a large reservoir. The background features rolling mountains under a blue sky with scattered white clouds.

## 28. Coastal California Gnatcatcher Habitat Restoration

Slide 2

---

Dictionary Hill – South of peak





**28. Coastal California  
Gnatcatcher Habitat Restoration**

Slide 3

Left: Middle north slope

Right: Dictionary Hill – South of peak





**28. Coastal California  
Gnatcatcher Habitat Restoration**  
Slide 4

Near the north water tower





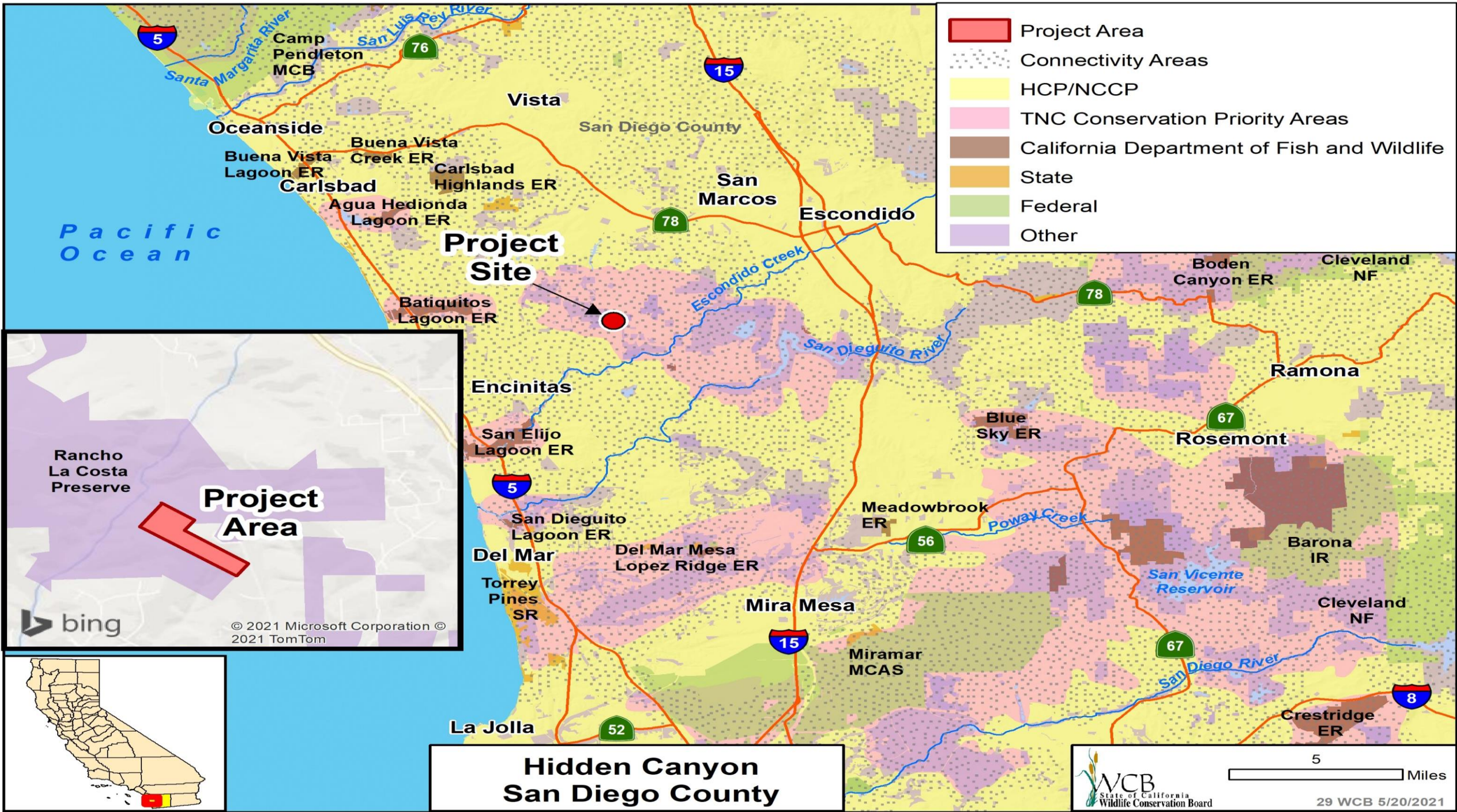
## 28. Coastal California Gnatcatcher Habitat Restoration

Slide 5

Left: Near the access road

Right: Near the north water tower





# Hidden Canyon San Diego County





# 29. Hidden Canyon

Slide 1

- Looking northwest toward Natural Lands Management preserved land; Batiquitos Lagoon and ocean in the distance



# 29. Hidden Canyon

Slide 2

Looking east across  
the property







# 29. Hidden Canyon

Slide 3

---

Chaparral in Bloom, Hidden Canyon





# 29. Hidden Canyon

Slide 4

---

Ceanothus verrucosus and Coast  
Sunflower, Hidden Canyon





# 29. Hidden Canyon

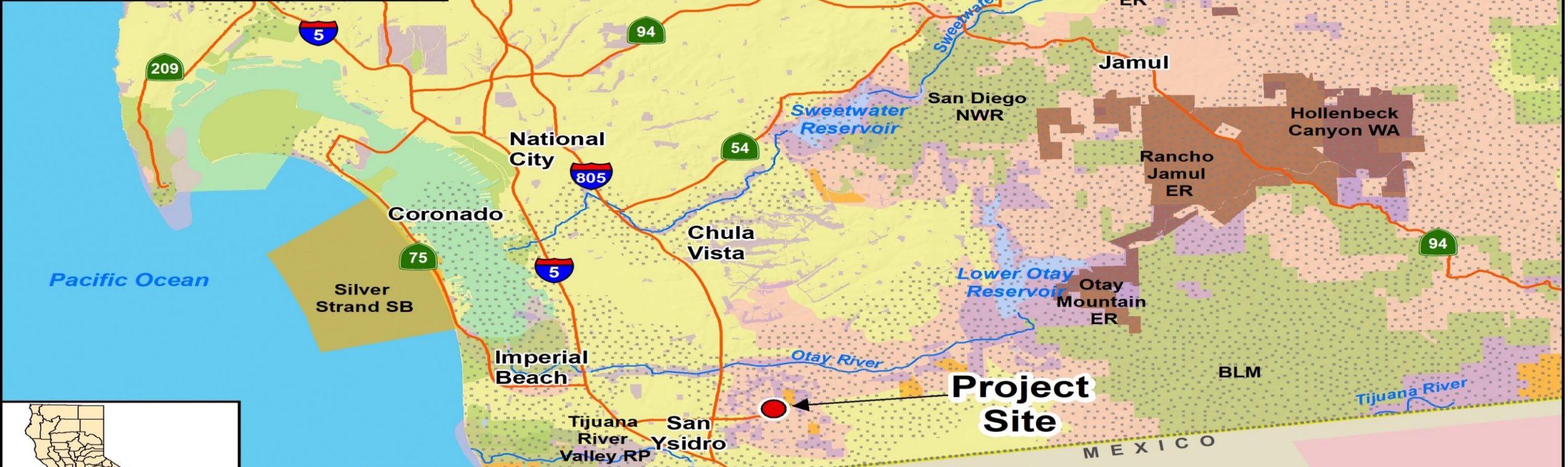
Slide 5

*Ceanothus verrucosus*, 'Snow' in the Chaparral





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



**Otay Mesa Vernal Pool and Uplands Habitat Restoration Phase II San Diego County**





# 30. Otoy Mesa Vernal Pool and Uplands Habitat Restoration, Phase II

Slide 1

Otoy Mesa Project Site

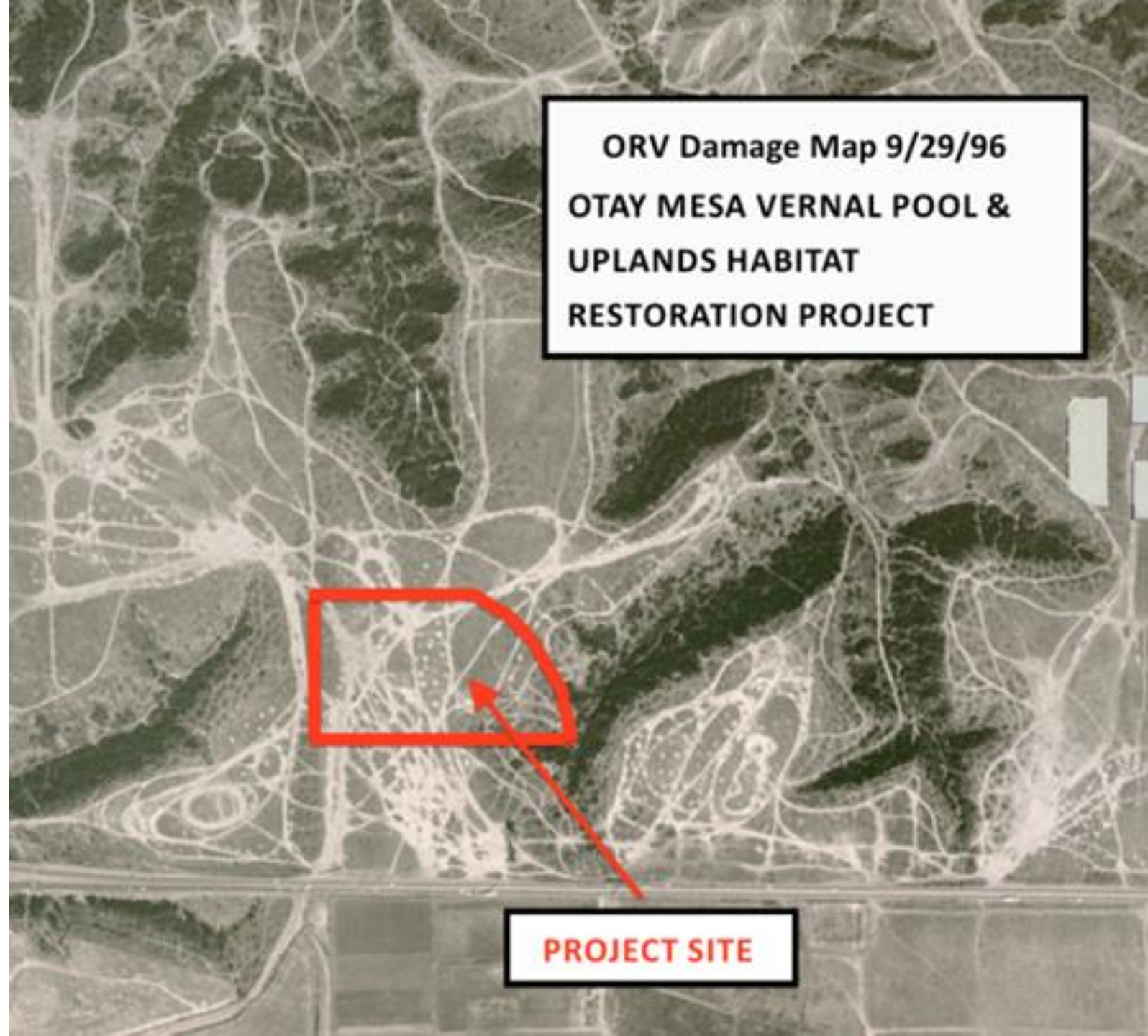




# 30. Otay Mesa Vernal Pool and Uplands Habitat Restoration, Phase II

Slide 2

Damage from Off-Road Vehicles  
on the Otay Mesa







- ▭ Vernal Pool Restoration Area (5.0 acres)
  - ▭ Property Line
  - Restoration Project Wire Fence
  - + Gate
  - ★ Information Kiosk
  - ▭ Cultural Resources Area - Excluded From Project
  - Existing Vernal Pool
  - San Diego fairy shrimp (*Branchinecta sandiegonensis*)
  - Versatile fairy shrimp (*Branchinecta lindahli*)
  - Fairy shrimp (*Branchinecta* spp.)
  - ◇ San Diego button-celery (*Eryngium aristulatum* var. *parishii*)
  - ◇ Ashy spike moss (*Selaginella cinerascens*)
- Earthwork/Grading**
- None
  - Lesser Hand Tool Earthwork
  - Greater Small Bulldozer Earthwork

# 30. Otoy Mesa Vernal Pool and Uplands Habitat Restoration, Phase II

Slide 3

Otoy Mesa Project Site Plan





30. Otay Mesa Vernal Pool  
and Uplands Habitat  
Restoration, Phase II  
Slide 4

Vernal Pool on the Otay Mesa Project Site



## 30. Otay Mesa Vernal Pool and Uplands Habitat Restoration, Phase II

Slide 5

Top: Otay Mesa Project Site

Bottom: Off road vehicle damage at the project site







## 30. Otay Mesa Vernal Pool and Uplands Habitat Restoration, Phase II

Slide 6



Left: Bicycle tire tracks through a vernal pool

Right: Invasive Russian thistle crowding a vernal pool



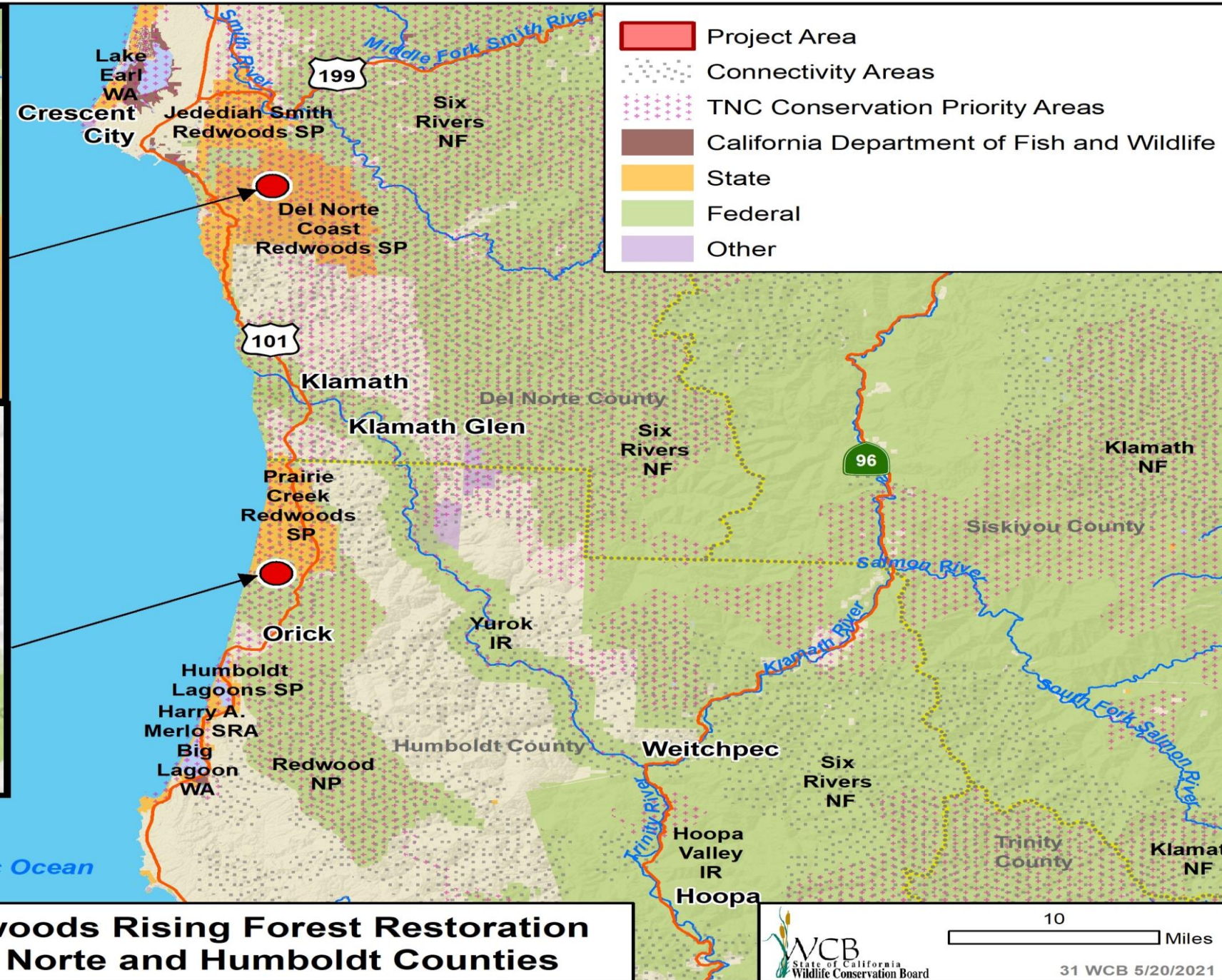
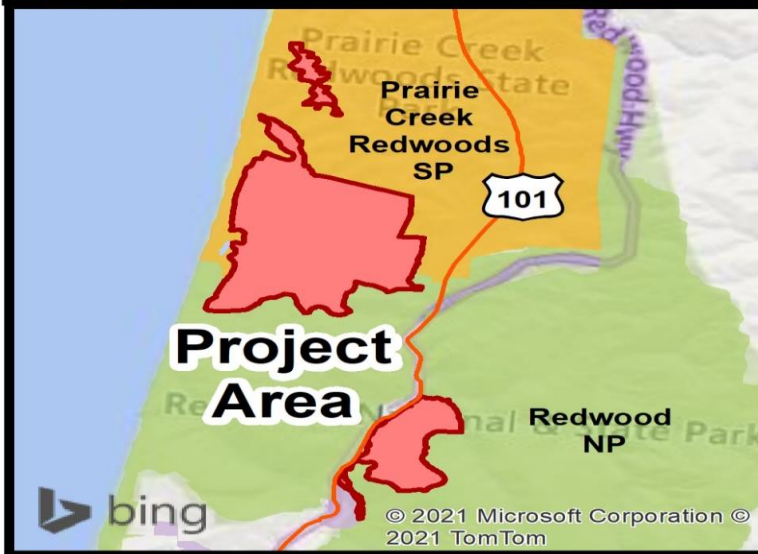
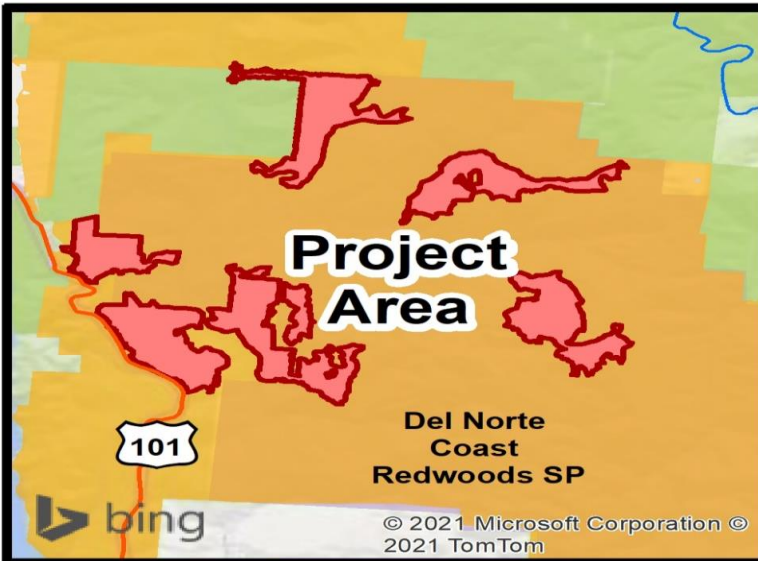


30. Otay Mesa Vernal Pool and  
Uplands Habitat Restoration, Phase II  
Slide 7

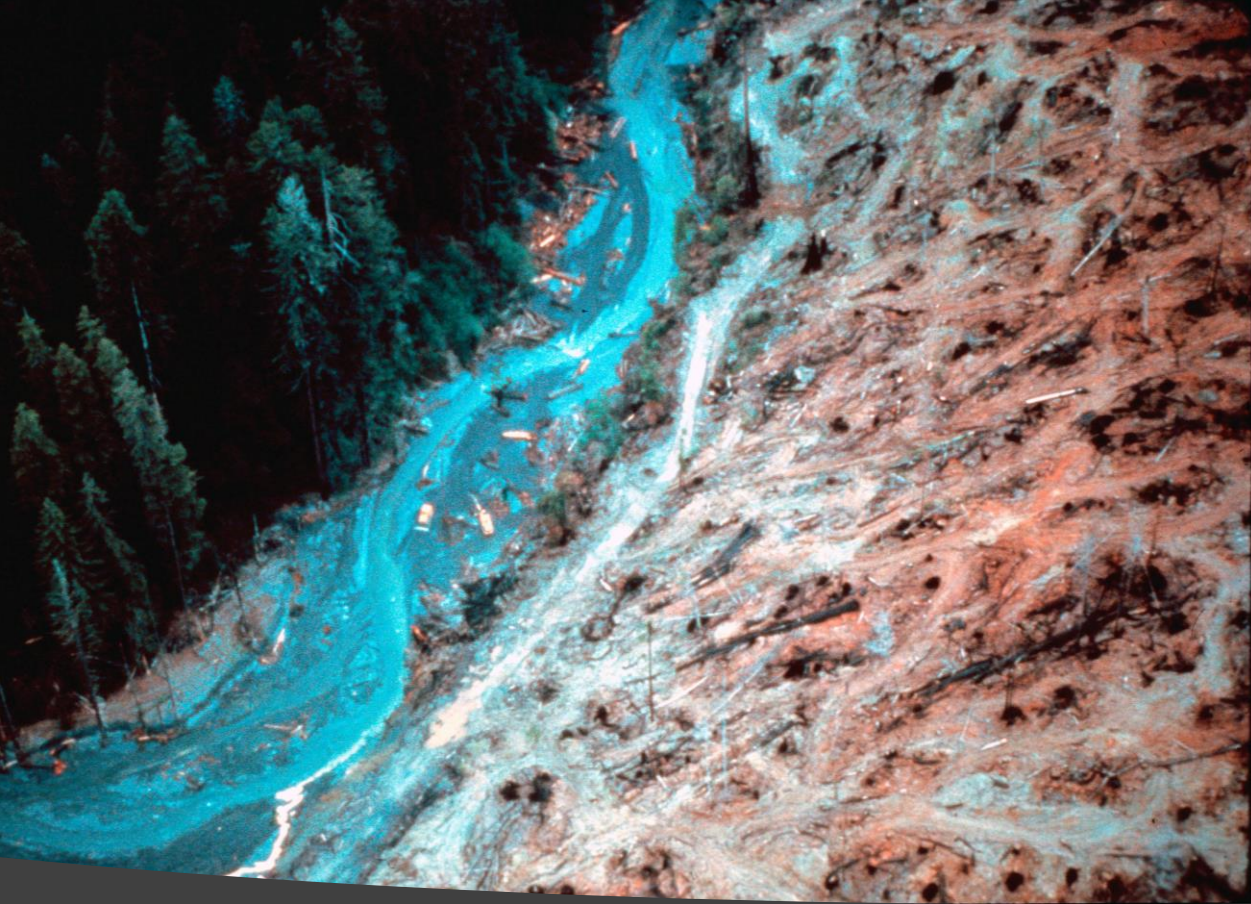
Left: Tire tracks through a vernal pool

Right: Non-native grasses and plants at the  
project site









# 31. Redwoods Rising Forest Restoration

Slide 1

Past clear-cut logging in Bond Creek

Photos: Redwoods National and State Parks



# 31. Redwoods Rising Forest Restoration

Slide 2

Left: Redwood stumps in logging area.

Right: Logging roads in clear-cut area.

Photos: Redwoods National and State Parks







# 31. Redwoods Rising Forest Restoration

Slide 3

Old-growth redwood forest behind a previously logged area that was densely reseeded with Douglas-fir.

Photo: Lathrop Leonard,  
California State Parks.





## 31. Redwoods Rising Forest Restoration

Slide 4



Left: Excavator placing wood to armor stream banks.  
Right: Mechanical thinning.

Photos: Redwoods Rising Partnership





## 31. Redwoods Rising Forest Restoration

Slide 5

Left: Mechanical thinning.

Right: After mechanical thinning.

Photos: Redwoods Rising Partnership



# 31. Redwoods Rising Forest Restoration

Slide 6

Left: After road removal.

Right: During road removal.

Photos: Redwoods Rising  
Partnership







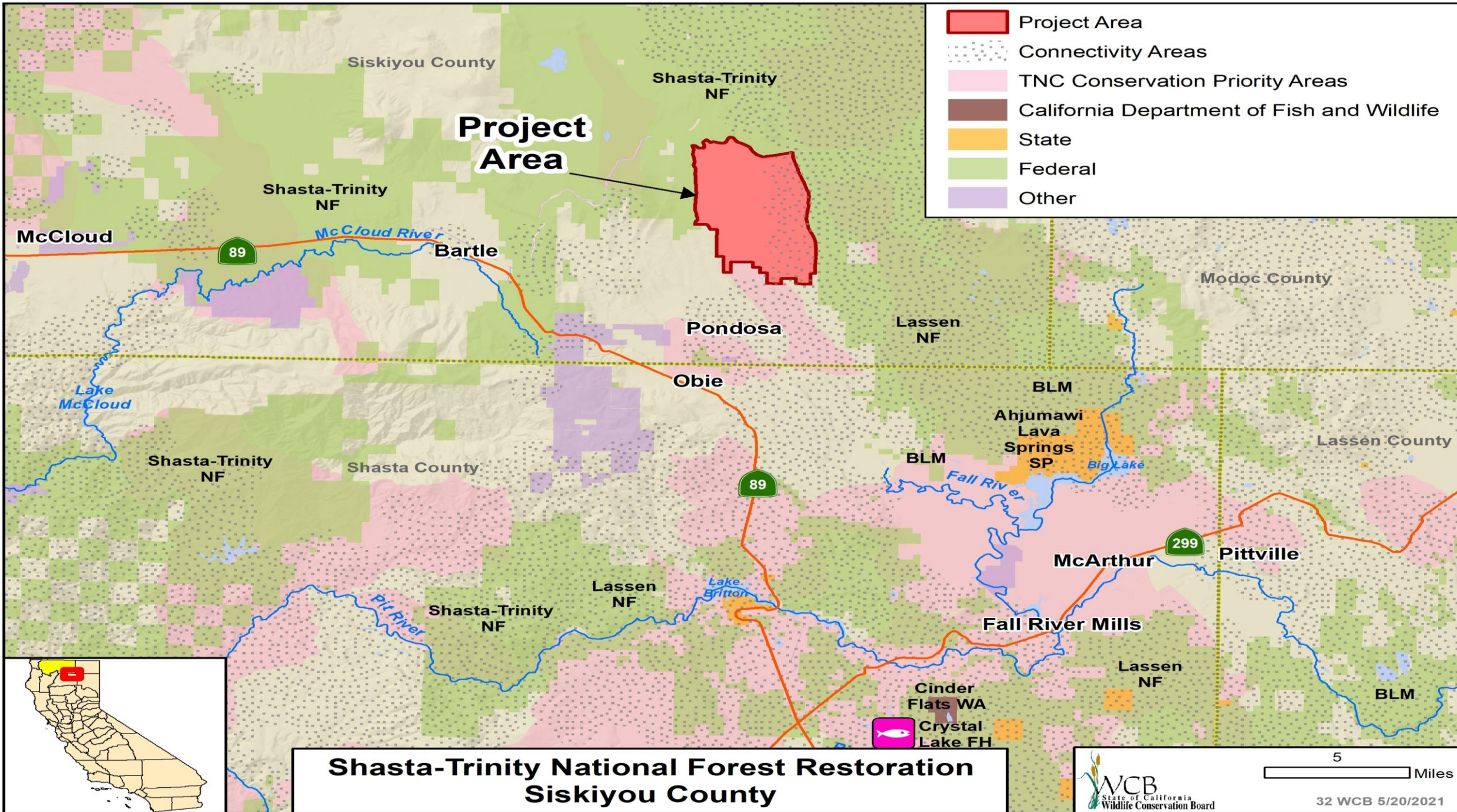
## 31. Redwoods Rising Forest Restoration

Slide 7

Skid removal: left side of draw has been thinned; the right side remained untouched. Light filtration and resource competition are far improved on the north side of the creek where treatment was implemented.

Photo: Redwoods Rising Partnership





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

**Project Area**

**Shasta-Trinity National Forest Restoration  
Siskiyou County**



5 Miles





## 32. Shasta-Trinity National Forest Restoration

Slide 1

Left: Conifer encroachment in a meadow.  
Right: Conifer encroachment in an oak woodland.

Photos: California Deer Association





## 32. Shasta-Trinity National Forest Restoration

Slide 2



Left and Right: Powerline corridor.

Photos: California Deer Association



## 32. Shasta-Trinity National Forest Restoration

Slide 3

Top: Eastside Sierra Nevada scoping meeting.

Bottom: Conifer encroachment in a meadow.

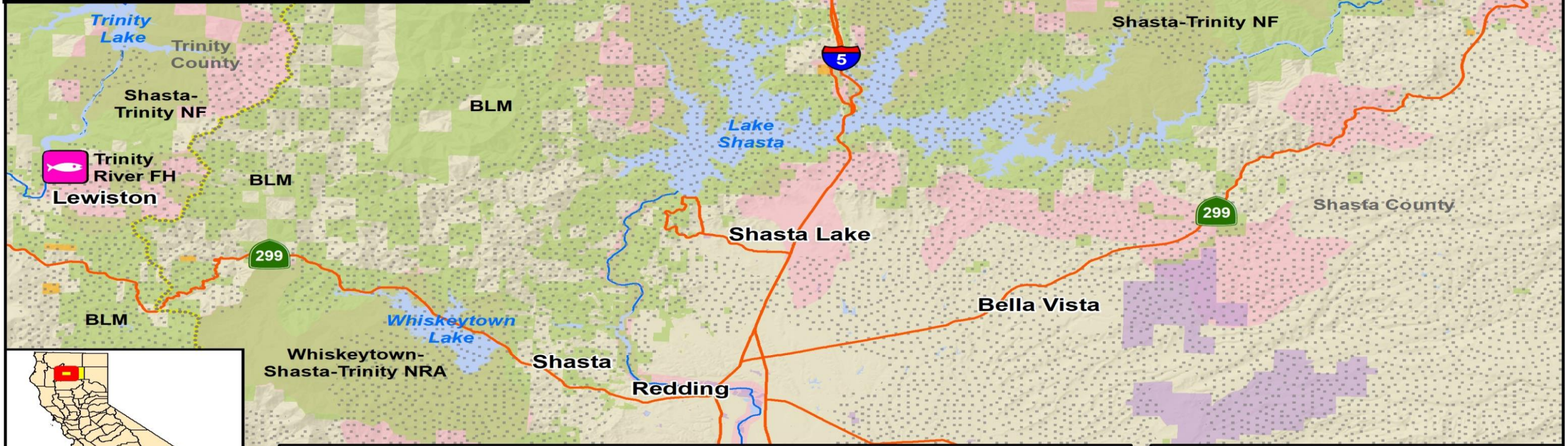


Photos: California Deer Association





- Project Area
- Connectivity Areas
- TNC Conservation Priority Areas
- State
- Federal
- Other



**Lightning Canyon Ranch Conservation Easement  
Shasta County**

5 Miles

33 WCB 5/20/2021





## 33. Lightning Canyon Ranch Conservation Easement

Slide 1

- Typical mixed conifer and deciduous forest found on the Lightning Canyon Ranch.



A scenic view of a waterfall cascading over layered rock formations into a pool of water, surrounded by lush greenery. The waterfall is the central focus, with water flowing over dark, horizontally layered rock. The pool below is dark and still, reflecting the surrounding environment. The background is a steep, rocky cliff face with similar layering. The foreground is filled with vibrant green plants and trees, some of which are slightly out of focus, creating a sense of depth. The overall atmosphere is serene and natural.

## 33. Lightning Canyon Ranch Conservation Easement

Slide 2

Salt Creek, one of the main tributaries draining into the Sacramento arm of Shasta Lake.





## 33. Lightning Canyon Ranch Conservation Easement

Slide 3

- A view of Tom Long Creek on the property.



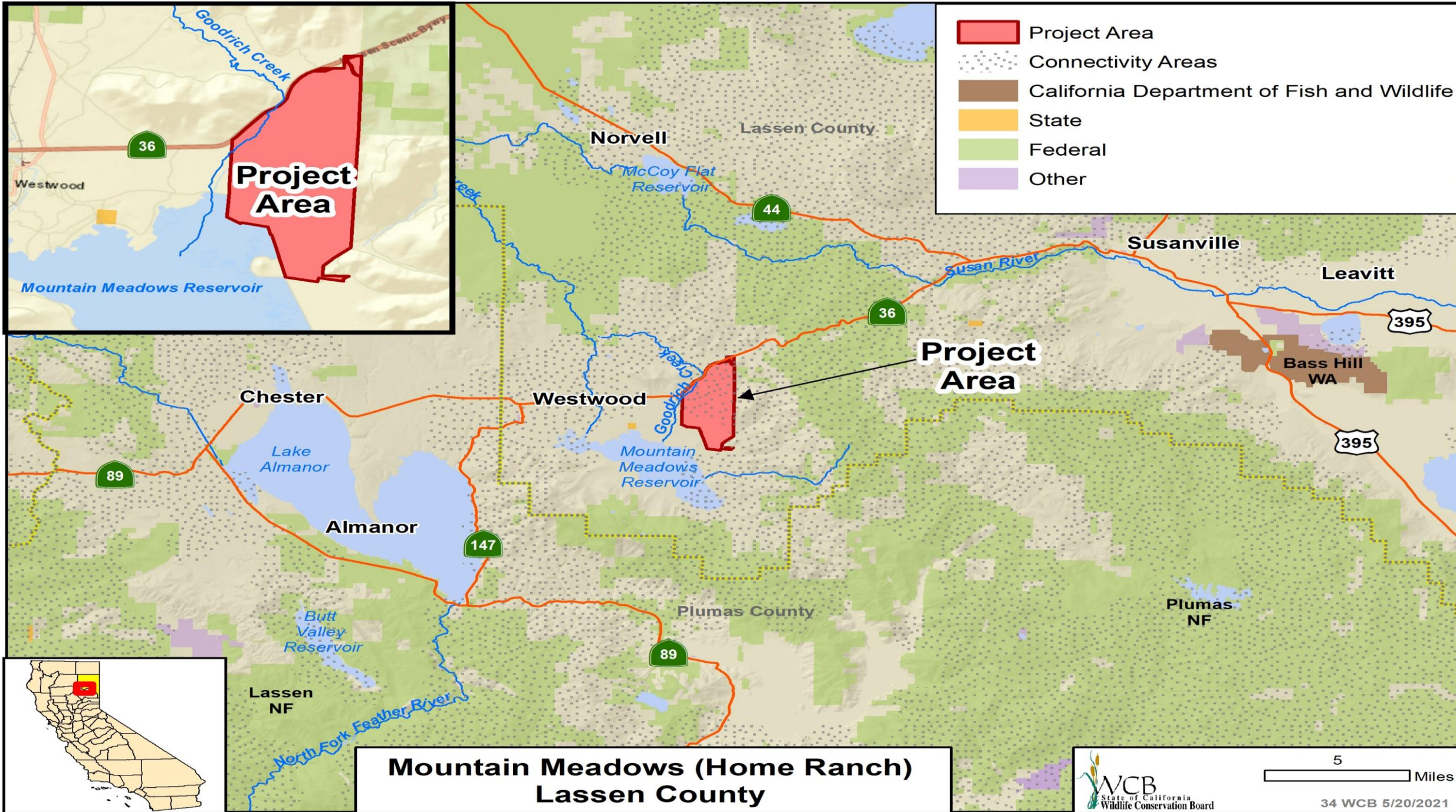


## 33. Lightning Canyon Ranch Conservation Easement

Slide 4

- Pacific Fishers are one of the multiple special status species that call the Lightning Canyon Ranch home.





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

**Mountain Meadows (Home Ranch)  
Lassen County**



5 Miles





## 34. Mountain Meadows (Home Ranch)

Slide 1

---

Aspen grove at the meadows edge



## 34. Mountain Meadows (Home Ranch)

Slide 2

- Mouth of Goodrich Creek







# 34. Mountain Meadows (Home Ranch)

Slide 3

Grassland marsh habitat






## 34. Mountain Meadows (Home Ranch)

Slide 4

- Forested buffer zone at property perimeter





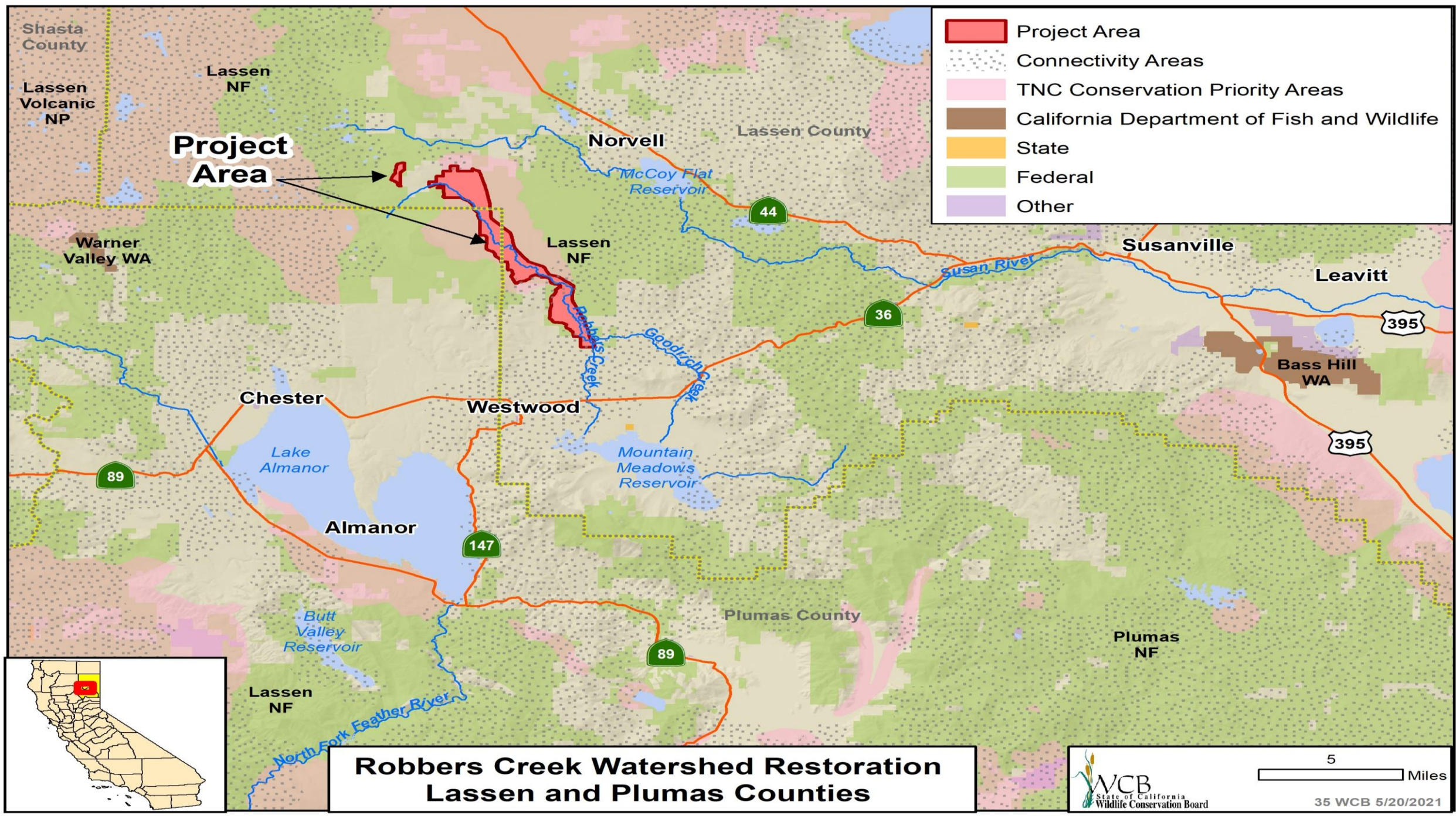
## 34. Mountain Meadows (Home Ranch)

Slide 5

---

Grazing meadow with exclusion fencing





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

**Project Area**

**Robbers Creek Watershed Restoration  
Lassen and Plumas Counties**



5 Miles





## 35. Robbers Creek Watershed Restoration

Slide 1

Conifer encroachment in a  
meadow at Robbers Creek.

Photo: R. Burnett





**35. Robbers Creek Watershed Restoration**  
Slide 2

Cut bank in Robbers Creek  
Photo: R. Burnett



# 35. Robbers Creek Watershed Restoration

Slide 3

Robbers Creek

Photo: R. Burnett







## 35. Robbers Creek Watershed Restoration

Slide 4

---

Left: Dense conifer growth in Robbers Creek watershed (Photo: A. Zueck).

Top: Robbers Creek meadow (Photo: K. Rodgers).



# 35. Robbers Creek Watershed Restoration

Slide 5

Robbers Creek watershed


Photo: K. Rodgers











36. Grizzly Island Wildlife Area Pond 12  
and Field 13 Enhancement  
Slide 1

Upland destroyed by fire in 2019



# 36. Grizzly Island Wildlife Area Pond 12 and Field 13 Enhancement

Slide 2

Upland unit to be planted  
with native grasses






36. Grizzly Island Wildlife Area Pond  
12 and Field 13 Enhancement  
Slide 3

---

Dilapidated water control structure







## 36. Grizzly Island Wildlife Area Pond 12 and Field 13 Enhancement

Slide 4

Fire damaged water control structure



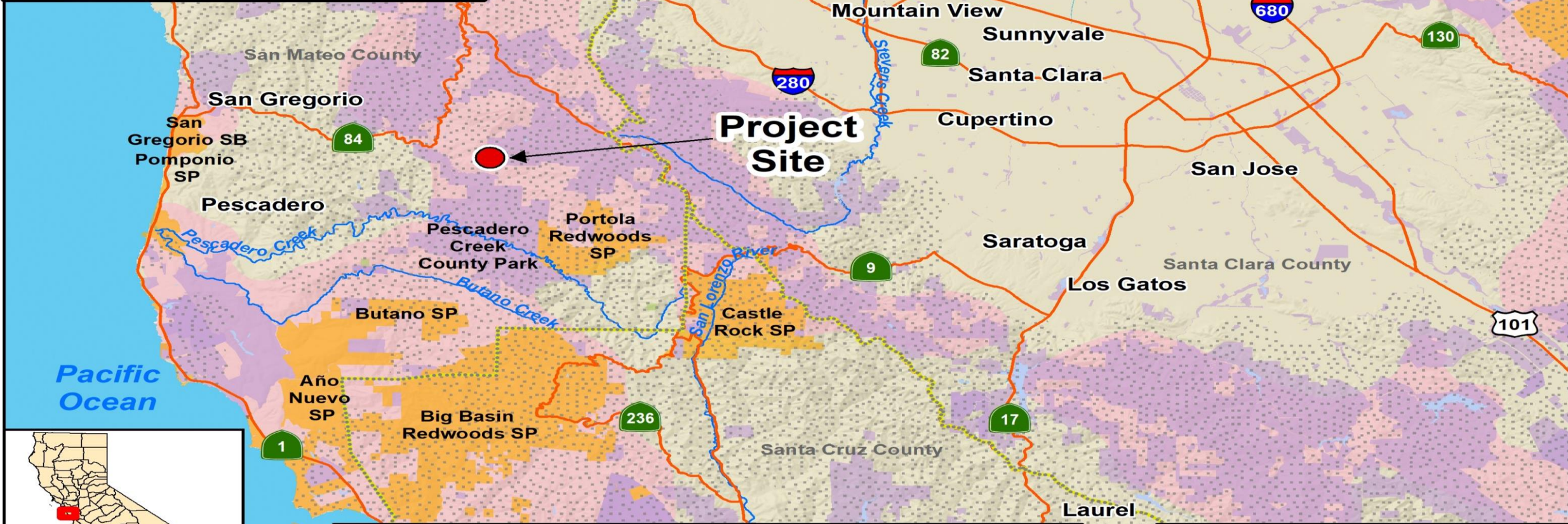
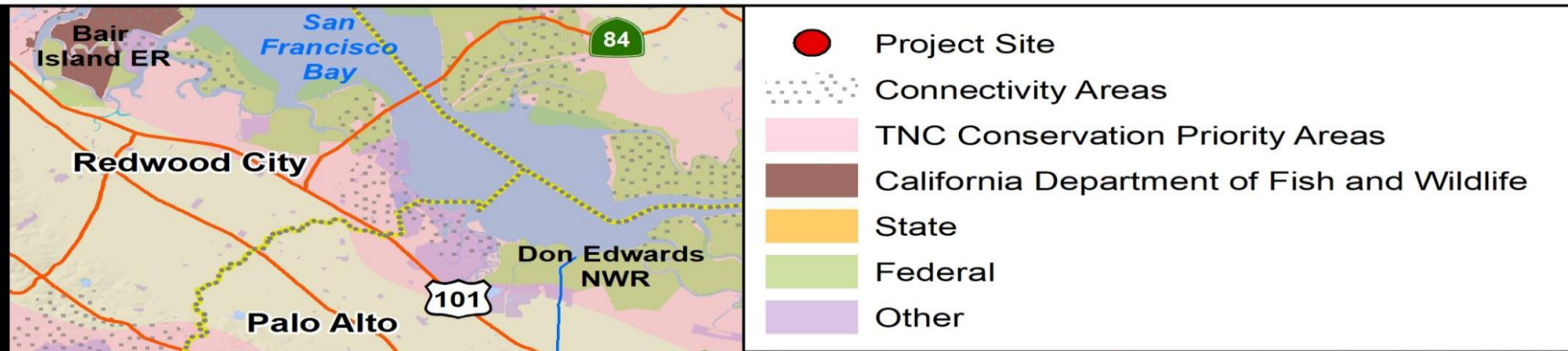
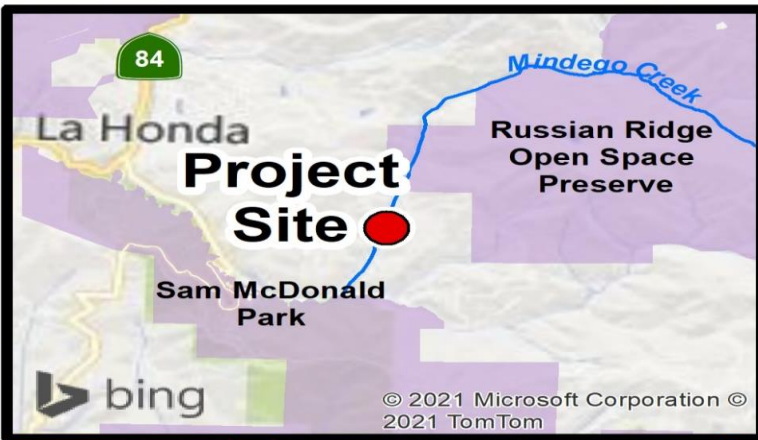


## 36. Grizzly Island Wildlife Area Pond 12 and Field 13 Enhancement

Slide 5

Narrow weathered levee





**Mindego Creek Fish Passage Restoration  
San Mateo County**



# 37. Mindego Creek Fish Passage

Slide 1

## San Gregorio Creek Watershed

- Central California Coast Coho Evolutionarily Significant Unit (Federal and State Endangered)
- Central California Coast (CCC) steelhead Distinct Population Segment (Federal and State Endangered)
- Central California Coast Coho Recovery Plan identifies San Gregorio Watershed as a focus population for protection
- San Gregorio population of steelhead is listed as “essential” to recovery



Mindego Creek



San Gregorio Creek Watershed



## 37. Mindego Creek Fish Passage

### Slide 2

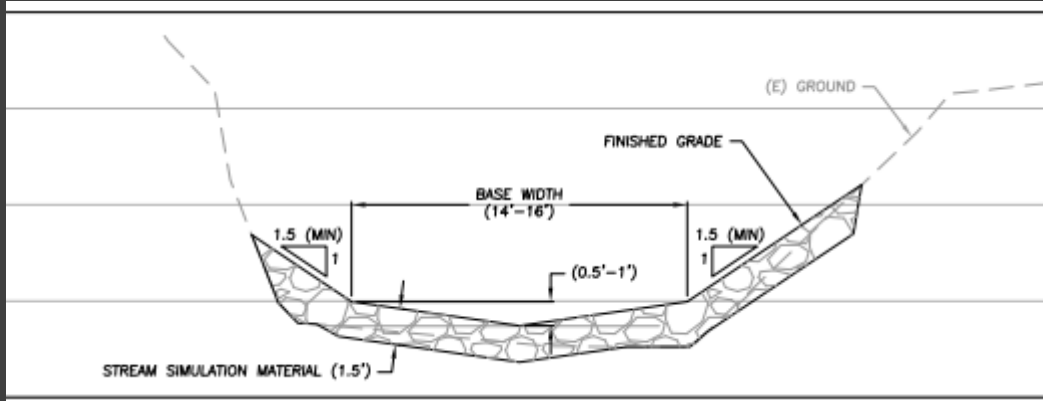
- Log Cabin Ranch Water Diversion
  - 6-foot-high concrete dam
  - Denil-style fish ladder
  - Water diversion infrastructure
- Designated as a high priority barrier for remediation by the Integrated Watershed Restoration Program (IWRP)
- CDFW and NMFS staff identified the project site as the top priority within San Mateo County.



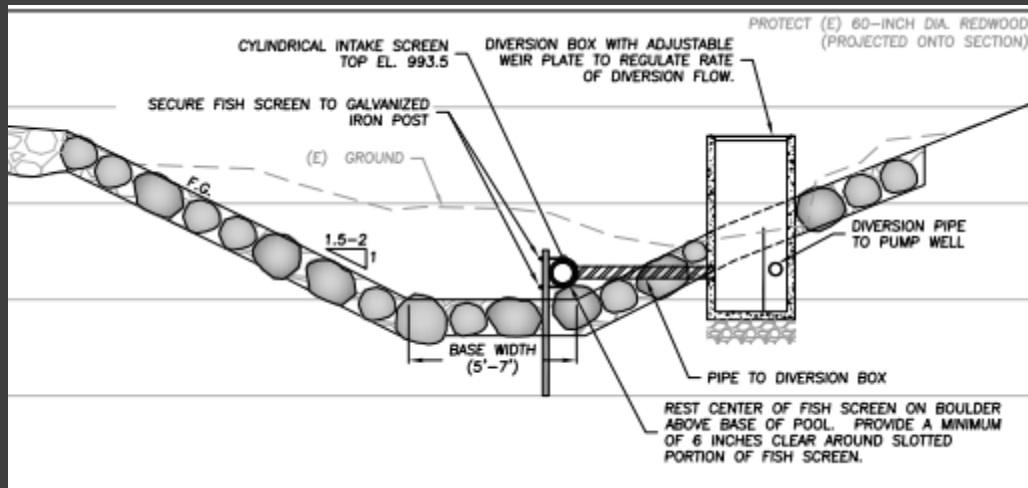


# 37. Mindego Creek Fish Passage

Slide 3



Restored Stream Channel Cross-Section



Water Diversion Intake Cross-Section

## Project Goals

- Improve fish passage for anadromous fish, including coho salmon and steelhead
- Improve instream habitat complexity to benefit salmonids and other aquatic and riparian species
- Maintain a functional water diversion that will not entrap fish.

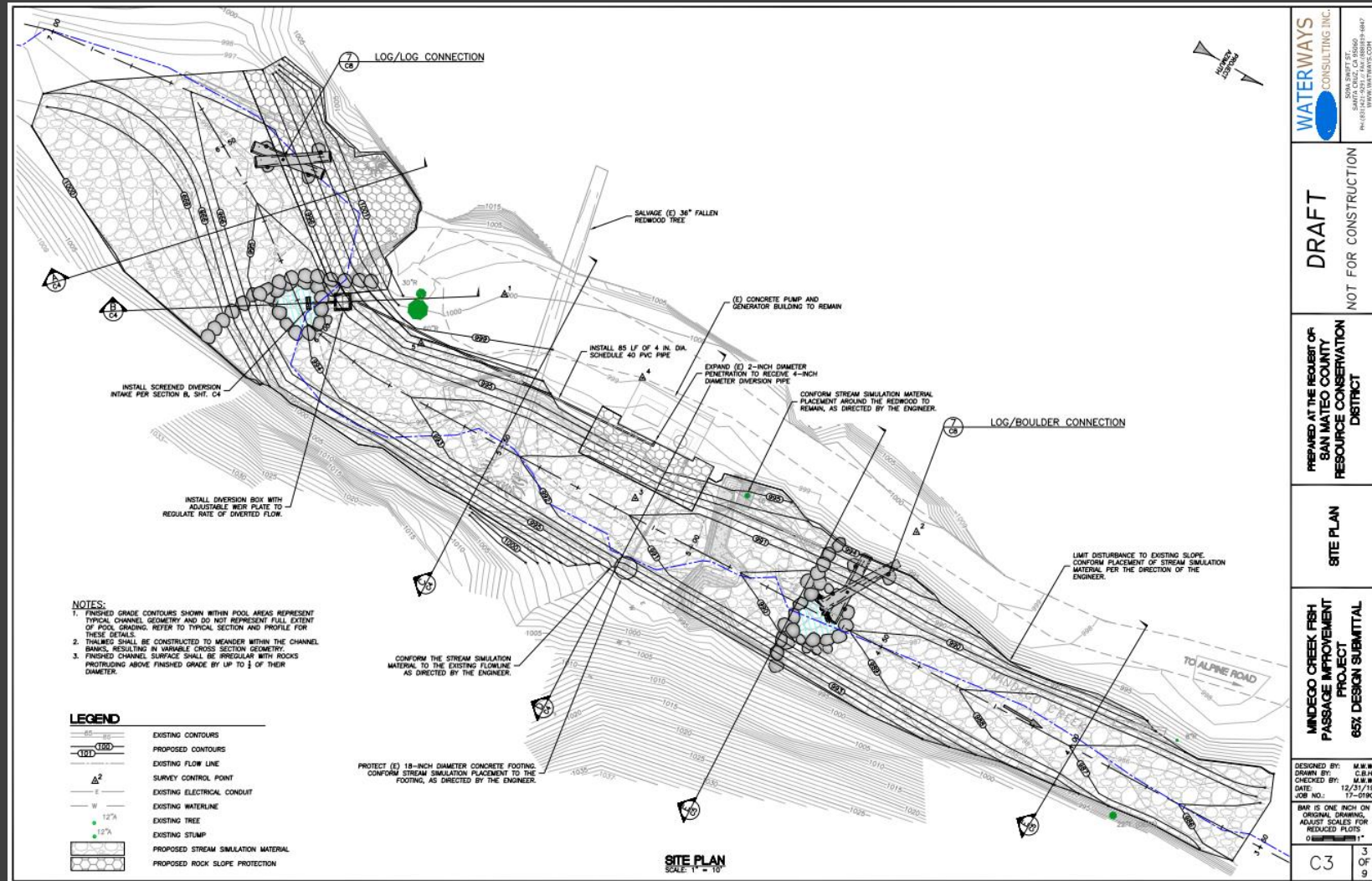
## Project Elements

- Removal of the dam and fish ladder barriers
- Reconstruction of 310 feet of stream channel
- Incorporation of elements like large woody debris to enhance creek complexity and create fish refugia
- Relocation of the diversion intake with a newly installed fish screen on the intake pipe



# 37. Mindego Creek Fish Passage

Slide 4



Overview of Project Site



# 37. Mindego Creek Fish Passage

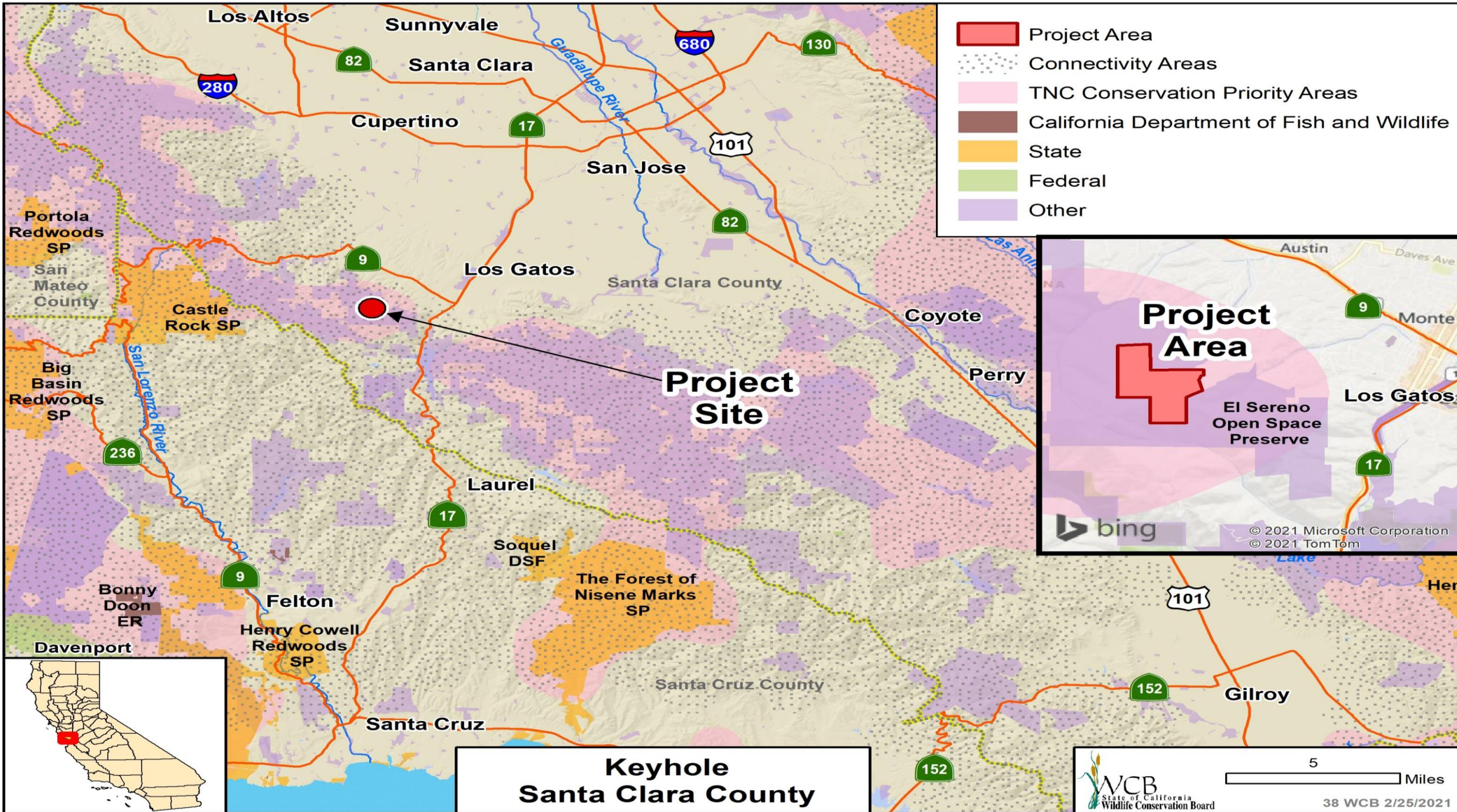
Slide 5

## Project Benefits

- Improve spawning habitat within the 310 linear feet of the project reach
- Provide access to approximately 4.5 miles of suitable spawning habitat.
- Increase habitat complexity within the Project reach for multiple life stages of anadromous fish species
- Improve riparian habitat for sensitive species








**Keyhole  
Santa Clara County**





38. Keyhole  
Slide 1

This photo is looking southwest from the property into the Los Gatos Creek Watershed. Lexington Reservoir and Highway 17 are in the background.





## 38. Keyhole

Slide 2

Looking southeast across the property. The Aquinas Trail is visible and the central portion of Santa Clara Valley and the Diablo Range make-up the background of the photo.





# 38. Keyhole

Slide 3

Looking southwest across the property with the central portion of the Santa Clara Valley and Diablo Range in the background.





## 38. Keyhole

Slide 4

This photo is looking northeast across the property and shows the Aquinas Trail crossing the property.



A dirt trail winds through a hilly landscape. The trail is light brown and curves from the foreground towards the background. The hills are covered in dense green vegetation, including trees and shrubs. The sky is bright blue with scattered white clouds. The overall scene is a natural, outdoor setting.

## 38. Keyhole

Slide 5

Looking north across the property via the  
Aquinas Trail



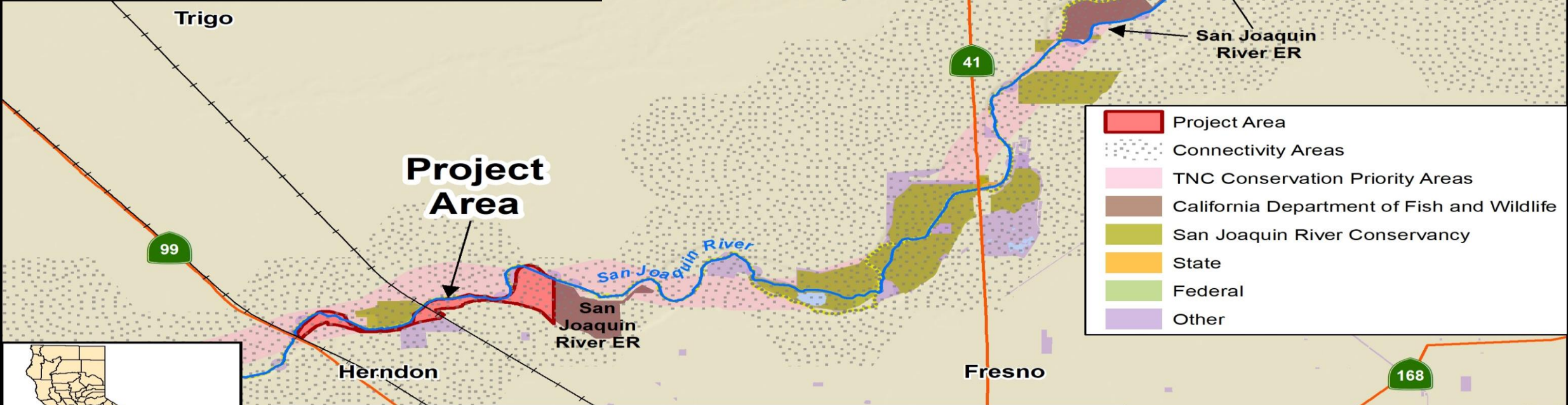


## 38. Keyhole

Slide 6

This photos shows the overall 182-acre Keyhole property in relation to the existing 1,614-acre El Sereno Open Space Preserve and the existing Aquinas Trail crossing through the property. This photo is looking southwest across the property. Lexington Reservoir and the Midpeninsula Regional Open Space District's 19,300-acre Sierra Azul Open Space Preserve makes-up the background of the photo.





- Project Area
- Connectivity Areas
- TNC Conservation Priority Areas
- California Department of Fish and Wildlife
- San Joaquin River Conservancy
- State
- Federal
- Other



**San Joaquin River Parkway,  
Western Reaches Access, Planning  
Fresno County**





## 39. San Joaquin Parkway, Western Reaches Access, Planning Slide 1

- The project area currently has limited access points to the River and no connectivity to other sections of the Parkway
- Planning will be focused upon two areas:
  - 1. New trailhead facility and river destination
  - 2. New park amenities and trails
- Photo: Camp Pashayan. Credit: Fresno Building Healthy Families





## 39. San Joaquin River Parkway, Western Reaches Access, Planning

### Slide 2

- The River Trail will be a 4-mile trail from Camp Pashayan to Milburn Overlook
- The new trails will connect Camp Pashayan to the
  1. Schneider use area
  2. Riverside Trailhead area
  3. Riverbottom Park
  4. Liddell Property
  5. Milburn use areas
- Photo: Fishing at Riverbottom Park. Credit: Fresno Building Healthy Families



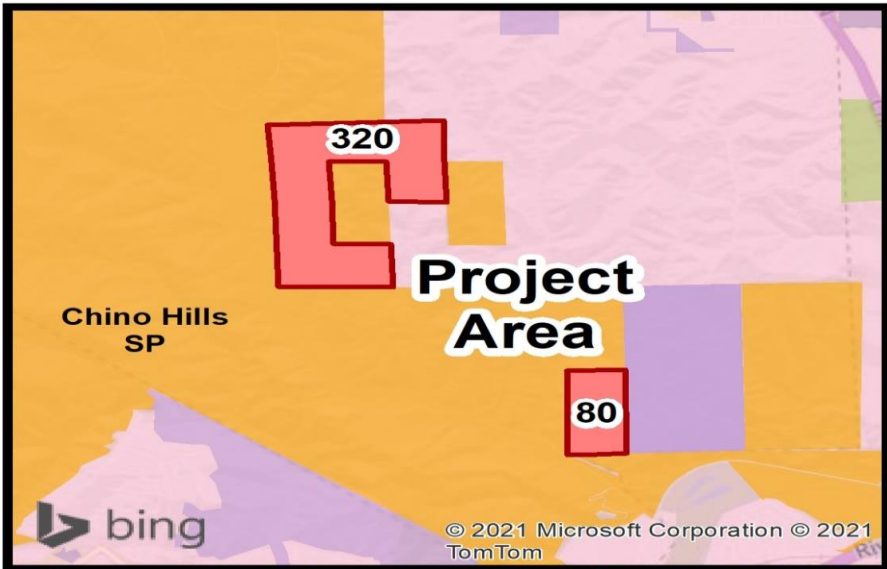
# 39. San Joaquin River Parkway, Western Reaches Access, Planning

Slide 3

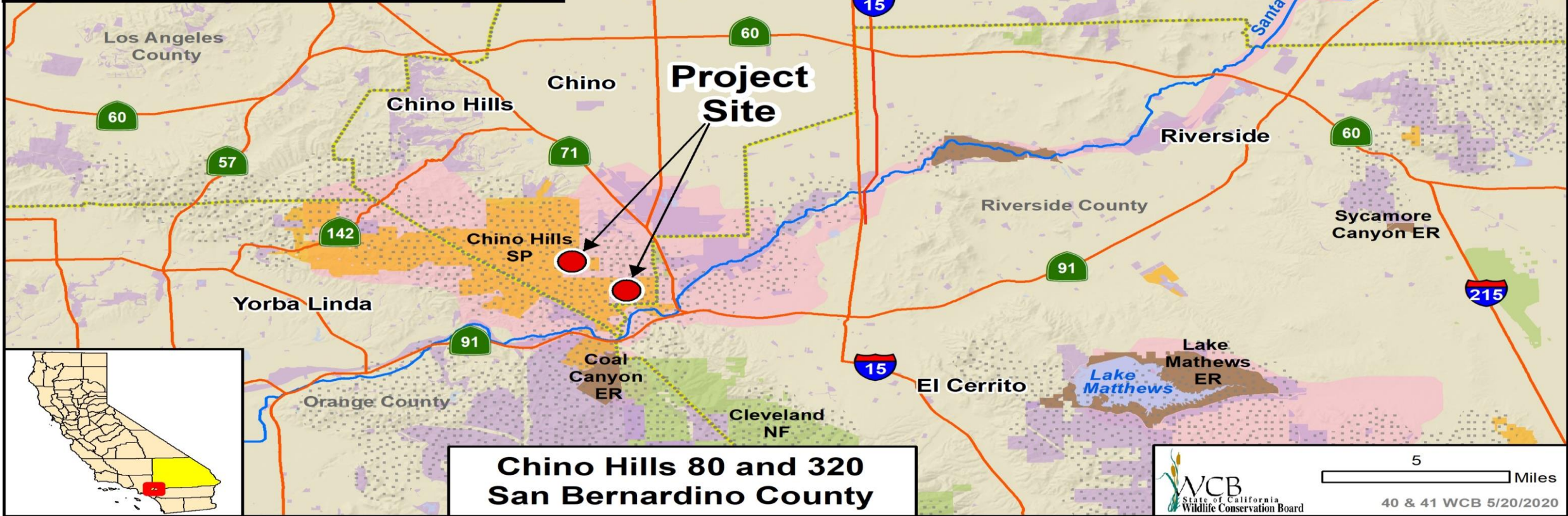
- Project activities will include
  - Development of 65% designs
  - CEQA compliance that tiers off the existing Parkway Master Plan and EIR
  - Community outreach
  - Development of an Access Activation Plan
- Left: Midway Trail;
- Right: Riverbottom Park.
- Photo credit: Fresno Building Healthy Families



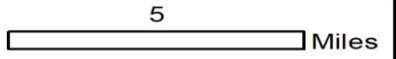




- Project Area
- Connectivity Areas
- TNC Conservation Priority Areas
- California Department of Fish and Wildlife
- State
- Federal
- Other



**Chino Hills 80 and 320  
San Bernardino County**







# 40 & 41. Chino Hills 80 and 320

Slide 1

Left: Chino Hills 80 - A view looking southeast on the subject property with scattered oaks. (credit: Hills For Everyone)

Right: Chino Hills 320 – Deer among the coastal sage scrub habitat. Photographer: Melanie Schlotterbeck, Hills For Everyone.





# 40 & 41. Chino Hills 80 and 320

Slide 2

Left: Chino Hills 80 - The wide flood plain leading into the subject property with prickly pear cactus patches and oaks dotting the hillside.

Right: Chino Hills 320 – View overlooking the southwest portion of the Property with grasslands and oak dotted hillsides along with the Chino Hills state park in the background.

Photographer: Melanie Schlotterbeck, Hills For Everyone.





## 40 & 41. Chino Hills 80 and 320

Slide 3

Left: Chino Hills 80 - An aerial view looking directly down on the hillside of the subject property

Right: Chino Hills 320 - A view of the poppy covered ridgelines looking southwest from Chino Hills State Park. .

Photographer: Melanie Schlotterbeck, Hills For Everyone.





## 40 & 41. Chino Hills 80 and 320

Slide 4

Left: Chino Hills 80 - An aerial view looking east toward the Prado Wetlands showing the property in the foreground

Right: Chino Hills 320 - View of the hills and valleys looking southwest with grasslands and oak woodlands of the property and its connectivity to Chino Hills State Park in the background.

Photographer: Melanie Schlotterbeck, Hills For Everyone.






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

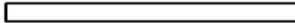


**Santa Cruz Island Reserve Infrastructure  
Santa Barbara County**



WCB  
State of California  
Wildlife Conservation Board

10 Miles



42 WCB 5/20/2021




# 42. Santa Cruz Island Reserve Infrastructure Slide 1

Field Station Garage and Workshop

Field Station Classroom







## 42. Santa Cruz Island Reserve Infrastructure

Slide 2

Field Station Cabins





Site for researcher  
accommodations

## 42. Santa Cruz Island Reserve Infrastructure

Slide 3





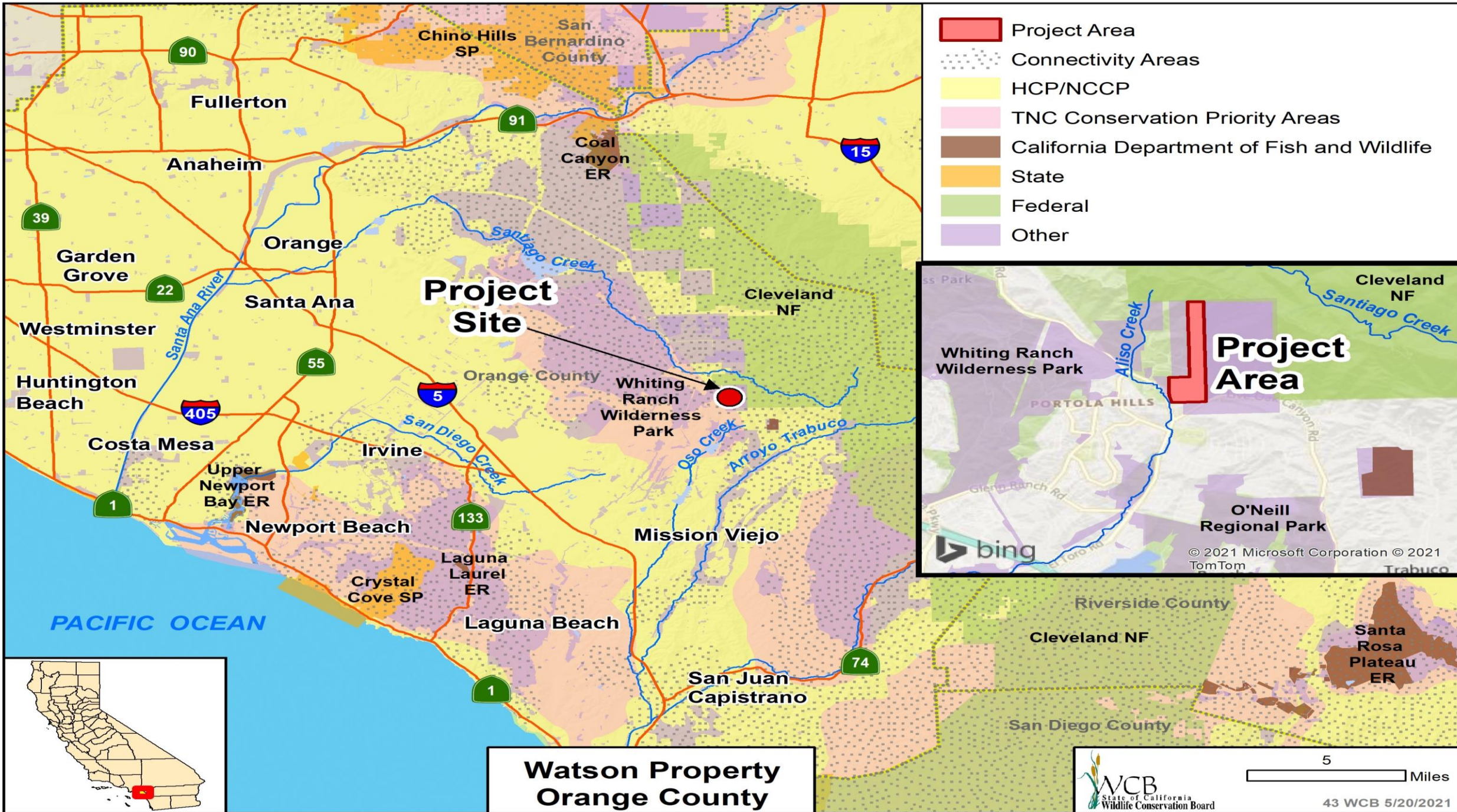
## 42. Santa Cruz Island Reserve Infrastructure

Slide 4

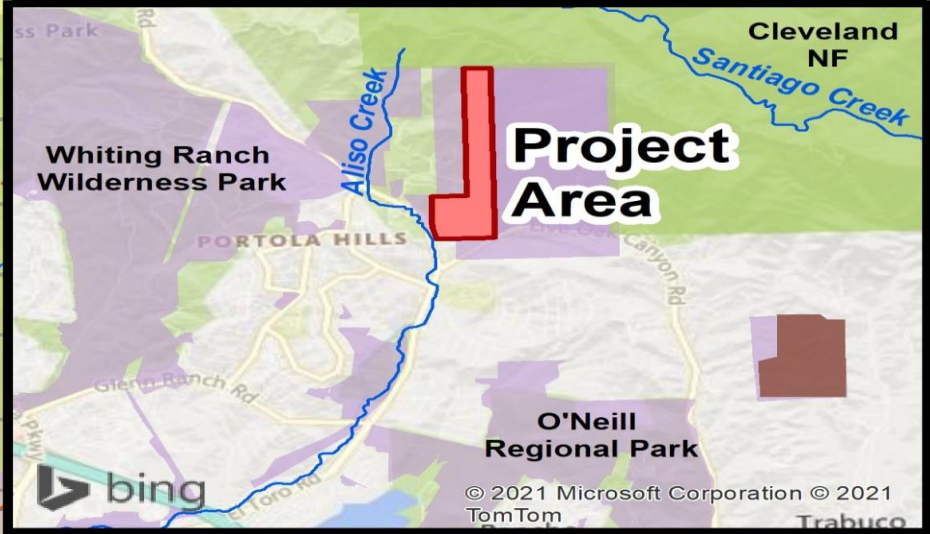
---

Staff housing site, existing trailer to be replaced





**Watson Property  
Orange County**





An aerial photograph of a rugged, hilly landscape. The terrain is characterized by a mix of green oak trees and brownish, scrubby vegetation, likely cactus scrub habitat. The hills are uneven, with some areas appearing more densely wooded than others. In the lower right, a dirt road or driveway is visible, with a few vehicles parked nearby. The overall scene is a natural, undeveloped area with diverse plant life.

## 43. Watson Property

Slide 1

- This photo was taken at the southwestern edge of the property, adjacent to Santiago Canyon Road. Facing northeast highlighting the topography, cactus scrub habitat, and oaks of the southern portion of the property.
- Photo: The Conservation Fund





## 43. Watson Property

### Slide 2

- This photo was taken along the access road and looks towards the southeast into the Saddle Creek Property which is a contiguous WCB acquisition preserved in 2008 by The Conservation Fund. Many healthy and mature Coast Live Oaks can be seen, and also connectivity to more than 80,000 acres of wilderness within the contiguous Cleveland National Forest.
- Photo: The Conservation Fund



An aerial photograph showing a rugged, mountainous landscape. In the foreground, there is a dense area of green and brown vegetation, likely a drainage area. A dirt road or path winds through this area. In the middle ground, a residential subdivision with several houses is visible. In the background, more mountains rise, and a large, flat area with some structures and a road can be seen, possibly a parking lot or a small town. The overall scene is a mix of natural terrain and human development.

## 43. Watson Property

Slide 3

- This photo was taken along the southeast edge of the property facing northwest and highlighting the Oak drainage. The property stretches into the mountainous area in the top of the image. Some adjacent suburban development can be seen in this image – a reminder of the residential development that has long been a threat to this property. This acquisition will prevent a proposed residential subdivision on the property, thereby preserving critical habitat, sensitive listed species and wildlife corridors.
- Photo: The Conservation Fund






### 43. Watson Property

Slide 4

- Healthy native sage species, cactus, and shrub species can be found throughout the property. This image is a good representation of the biodiverse habitat mosaic found outside of the oak drainage area.
- Photo: The Conservation Fund





## 43. Watson Property

### Slide 5

- This image was taken within the oak drainage, running up the center of the northern parcel in an effort to highlight the density of the growth and the maturity of the trees.
- Photo: The Conservation Fund





## 43. Watson Property

Slide 6

- This photo was taken along the access road in the center of the southern parcel facing North. This image highlights the health of the extensive cactus scrub habitat found on the property – some of the highest quality cactus scrub in the Orange County NCCP.
- Photo: The Conservation Fund





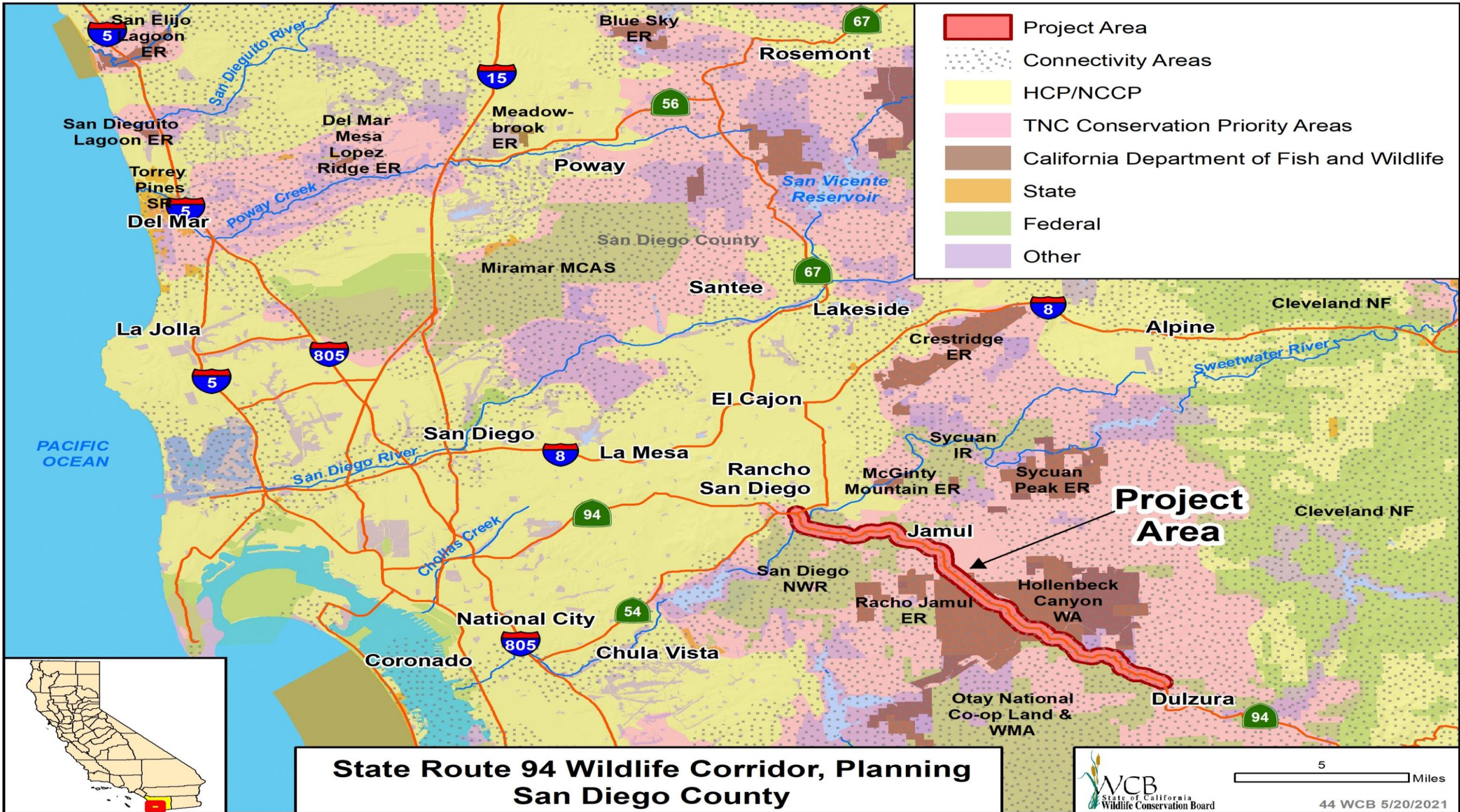
## 43. Watson Property

Slide 7

This photo was taken near the center of the southern parcel facing southeast. The image highlights the mixture of habitat types found on the property, its natural beauty, and a few structures that will be removed prior to close of escrow.


Photo: The Conservation Fund





**State Route 94 Wildlife Corridor, Planning San Diego County**





## 44. State Route 94 Wildlife Corridor, Planning

Slide 1

State Route 94 bisects one of the largest remaining areas of intact contiguous habitat in San Diego County.

Photo: Emma Havstad, River Partners





## 44. State Route 94 Wildlife Corridor, Planning

### Slide 2

Existing fencing along State Route 94. This project will complete planning, permitting, and design for installation of exclusion fencing to prevent wildlife collisions.

Photo: Emma Havstad, River Partners



# 44. State Route 94 Wildlife Corridor, Planning

Slide 3

Existing condition of undercrossing structure at Sycamore Canyon. This project will complete planning, permitting, and design for crossing improvements, including replacing inadequate structures.

Photo: Emma Havstad, River Partners





# 44. State Route 94 Wildlife Corridor, Planning

Slide 4

---

Existing conditions along Dulzura Creek (right side of frame), an important wildlife movement corridor. This project will complete planning, permitting and design for habitat restoration along this corridor.

Photo: Emma Havstad, River Partners







## Closed Session

Keyhole





**Stay Safe and Healthy, Enjoy Your Day!**

Mountain Meadows (Home Ranch)