



**Wildlife Conservation Board Meeting
May 20, 2020**





WCB Chair roles:

Lead Board meetings

Consult with ED between meetings as needed

Spokesperson for WCB

- Conferences
- Workshops
- Project Events



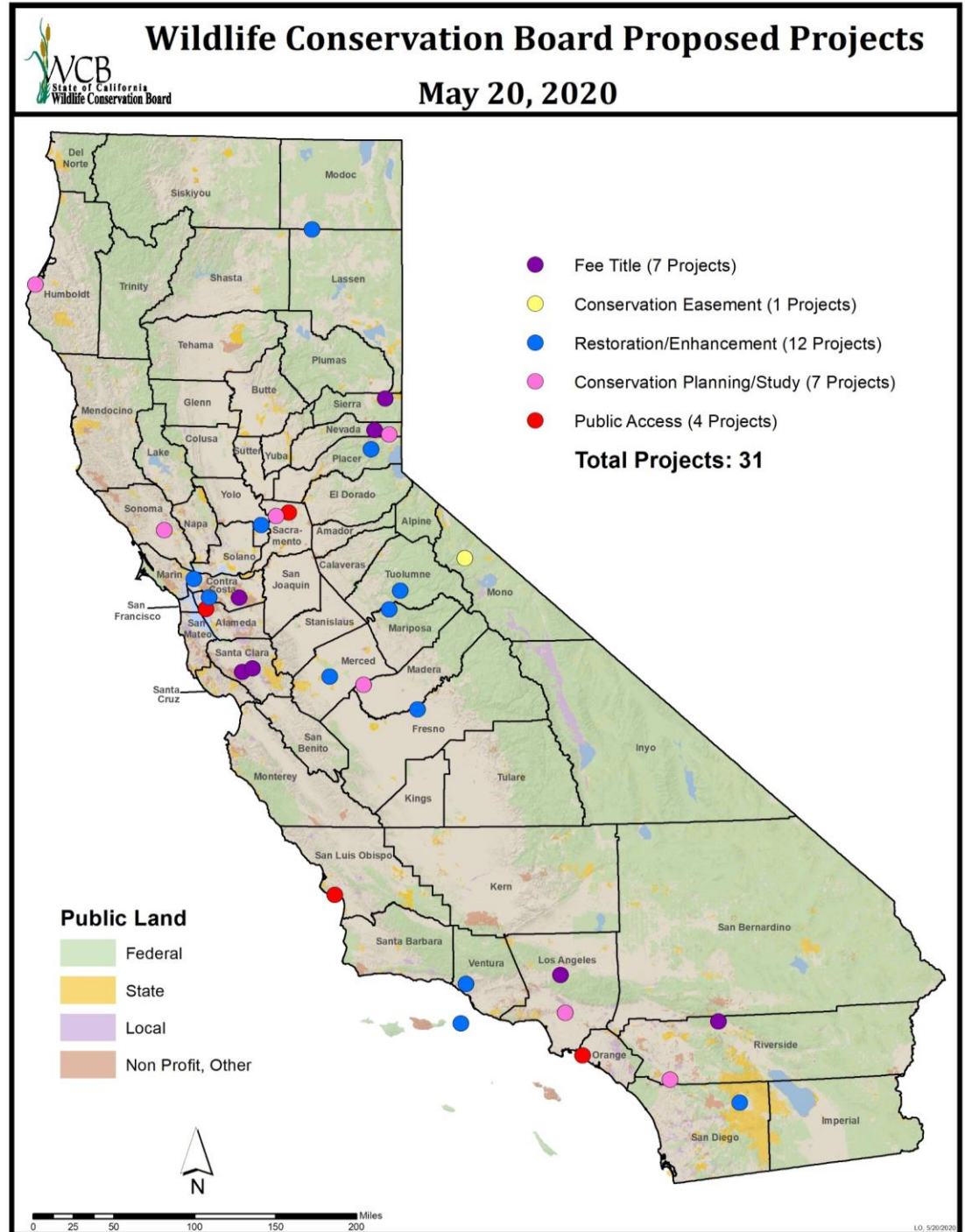


Chair options:

- Chair/Vice-chair
- One or two-year terms
- Agendized elections



Wildlife Conservation Board Proposed Projects May 20, 2020





Great Valley and Modoc Plateau Vernal Pool Conservation Planning Various Counties





6. Great Valley and Modoc Plateau Vernal Pool Conservation Planning

Slide 1

- California vernal pool landscape
- Photo courtesy of Vollmar Natural Lands Consulting

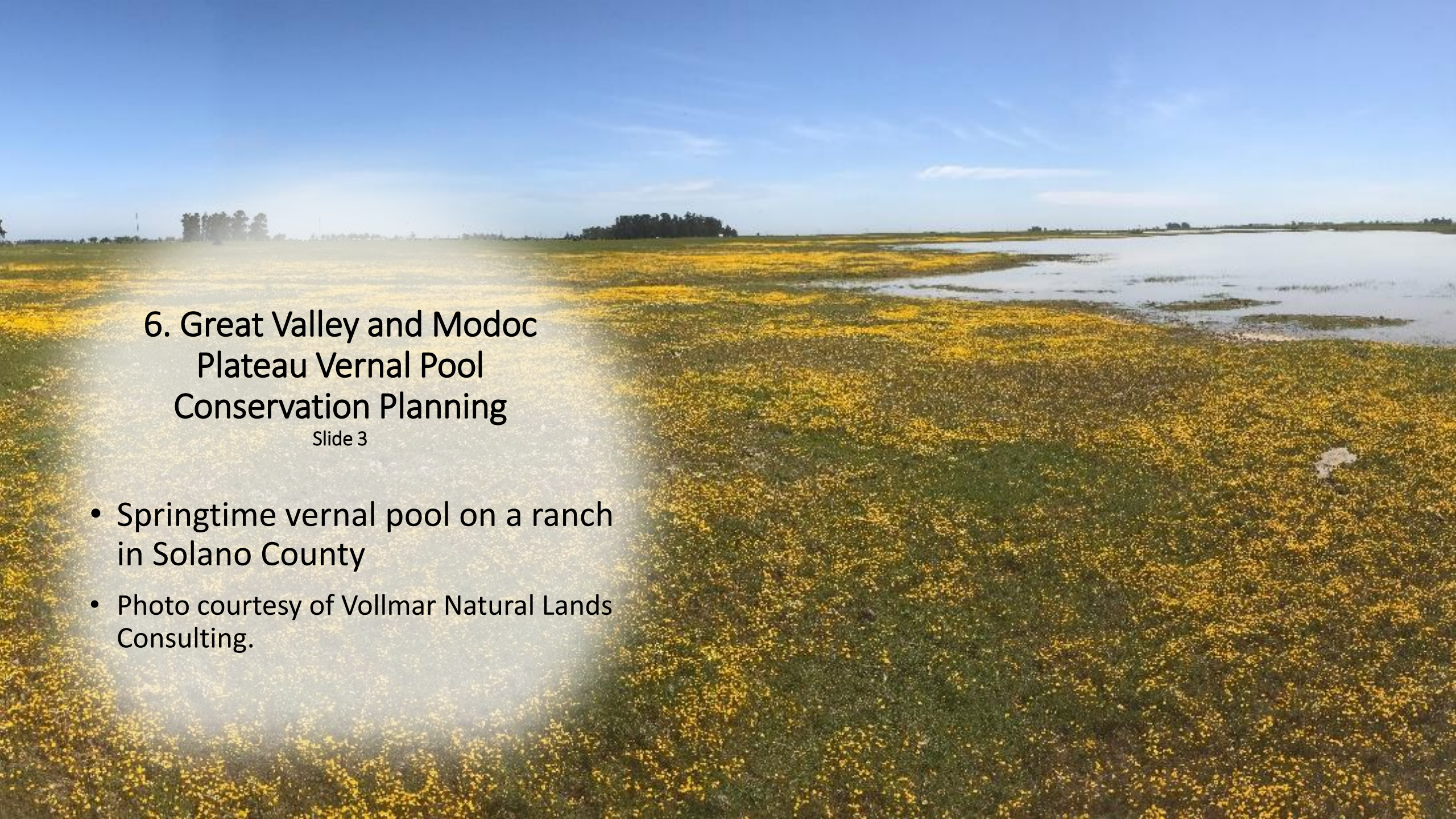
6. Great Valley and Modoc Plateau Vernal Pool Conservation Planning

Slide 2

Tree frog in a vernal pool

Photo courtesy of Vollmar
Natural Lands Consulting





6. Great Valley and Modoc Plateau Vernal Pool Conservation Planning

Slide 3

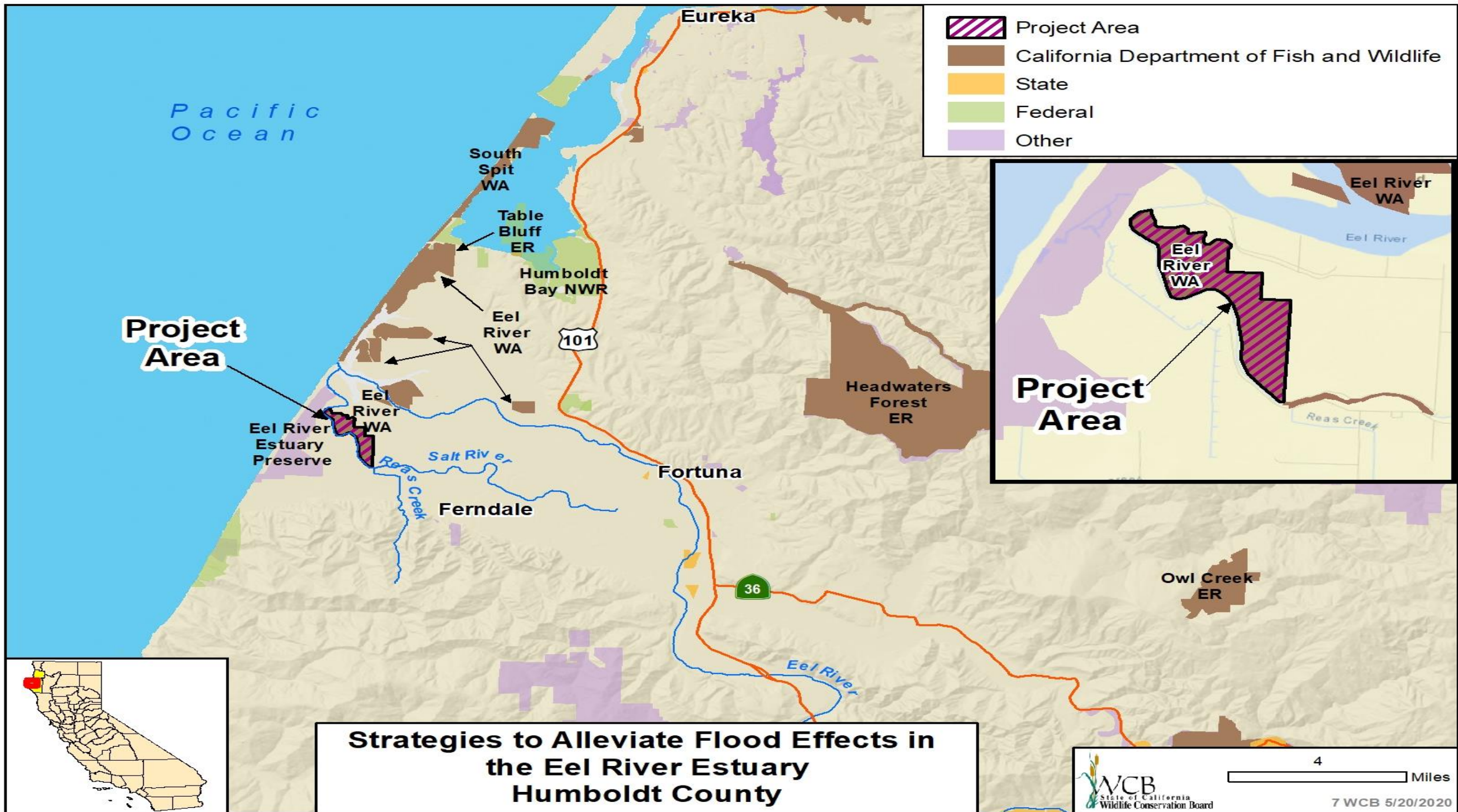
- Springtime vernal pool on a ranch in Solano County
- Photo courtesy of Vollmar Natural Lands Consulting.

6. Great Valley and Modoc Plateau Vernal Pool Conservation Planning






Slide 4

- Midvalley fairy shrimp, a Great Central Valley vernal pool endemic species
- Photo courtesy of Vollmar Natural Lands Consulting





Project Area

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



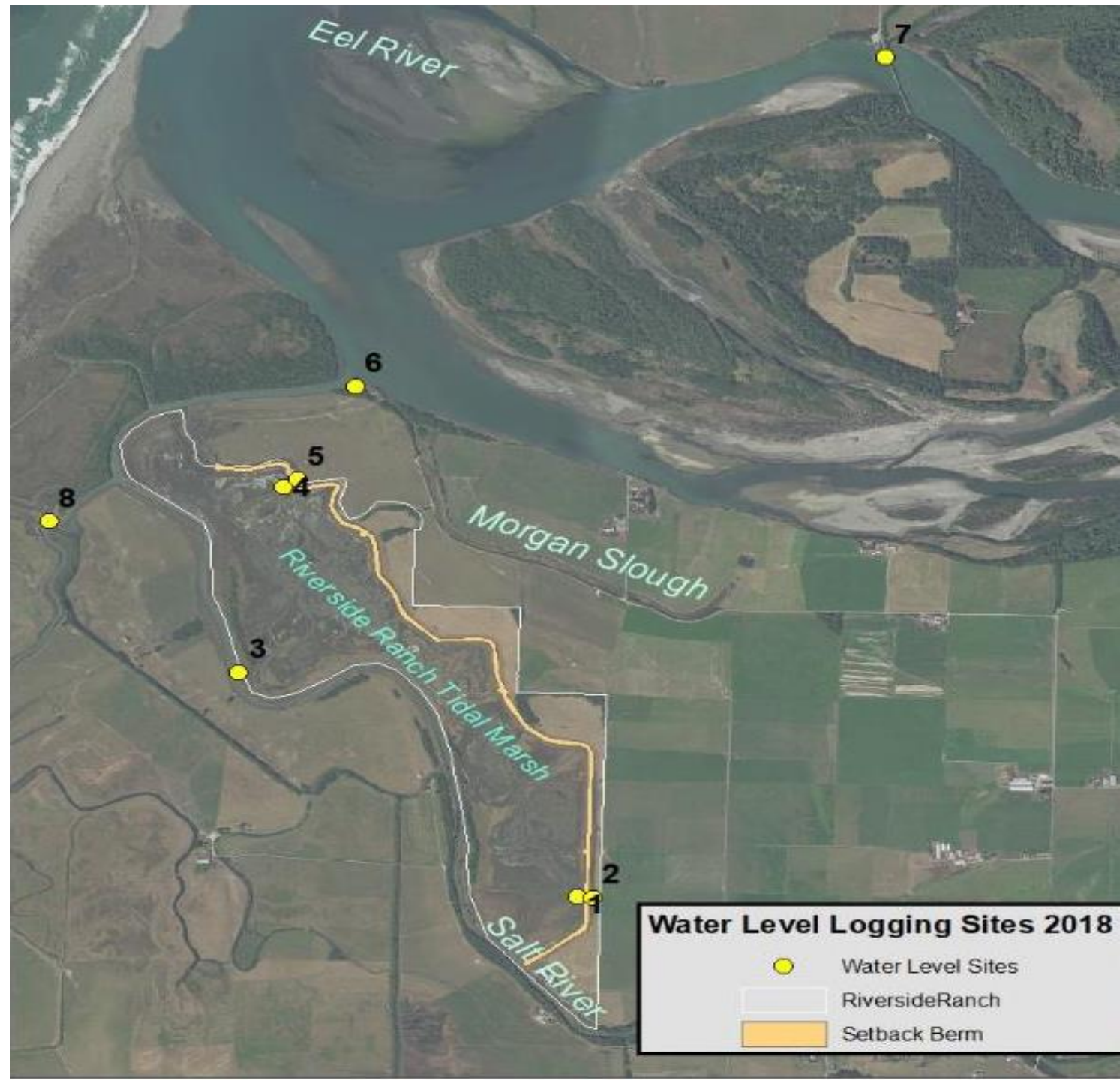
Project Area


Strategies to Alleviate Flood Effects in the Eel River Estuary Humboldt County

7. Strategies to Alleviate Flood Effects in the Eel River Estuary

Slide 1

- Figure of the Riverside Ranch restoration area, as part of the Salt River Ecosystem Restoration Project, and developed water level monitoring sites.



An aerial photograph showing a wide, winding river with a large, irregularly shaped floodplain. The water is a muddy brown color, and the surrounding land is a mix of green fields and brown, exposed earth. The river flows from the top left towards the bottom right, with several large, interconnected pools of water that have inundated the surrounding land. The background shows a hilly landscape with more green fields and some buildings.

7. Strategies to Alleviate Flood Effects in the Eel River Estuary

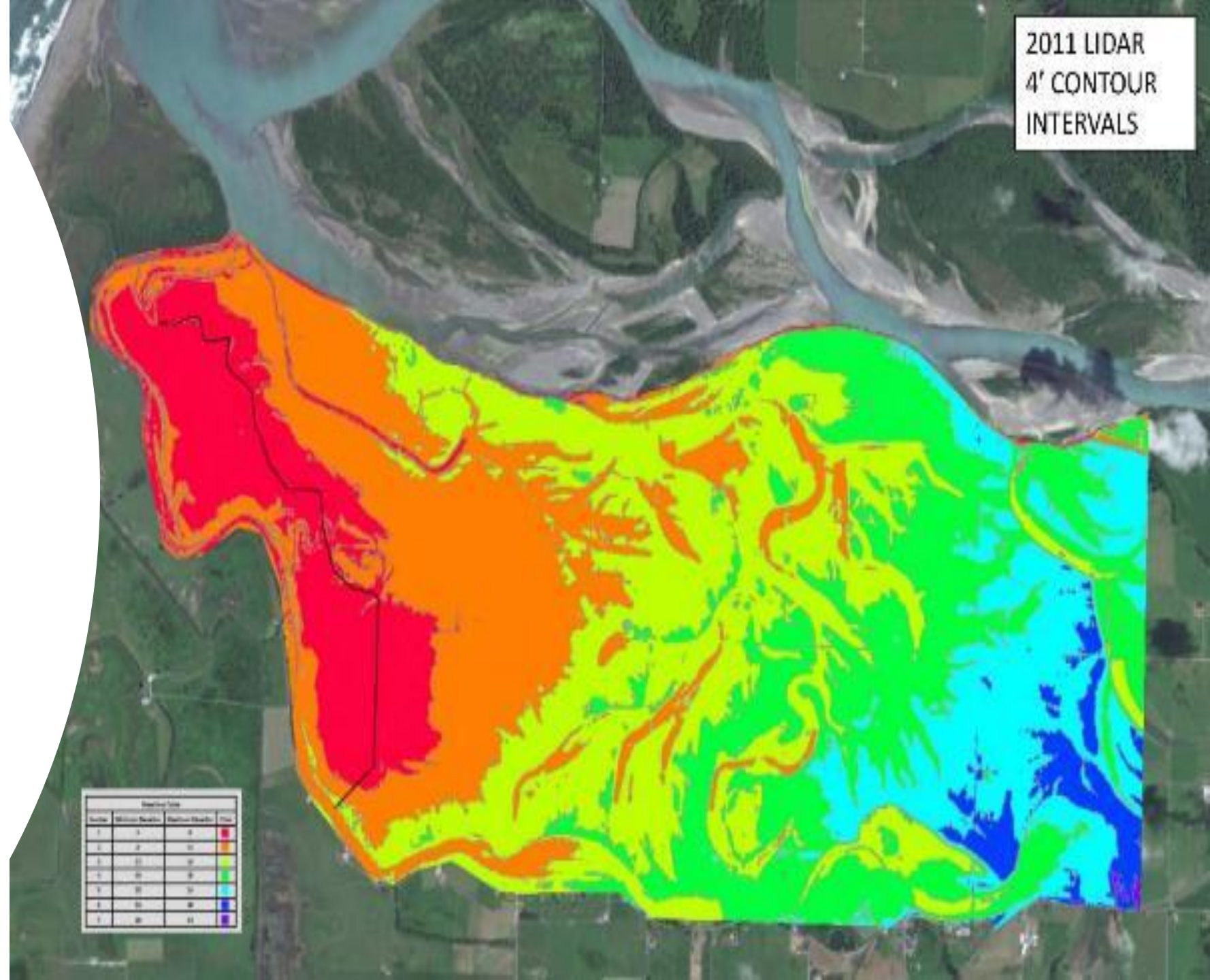
Slide 2

- Aerial photo (courtesy Brad Finney) of Riverside Ranch post flood event (20.4') (2016)

7. Strategies to Alleviate Flood Effects in the Eel River Estuary

Slide 3

- Four-foot LiDar (2011) contour map of the lower Salt Rive/Eel River Estuary

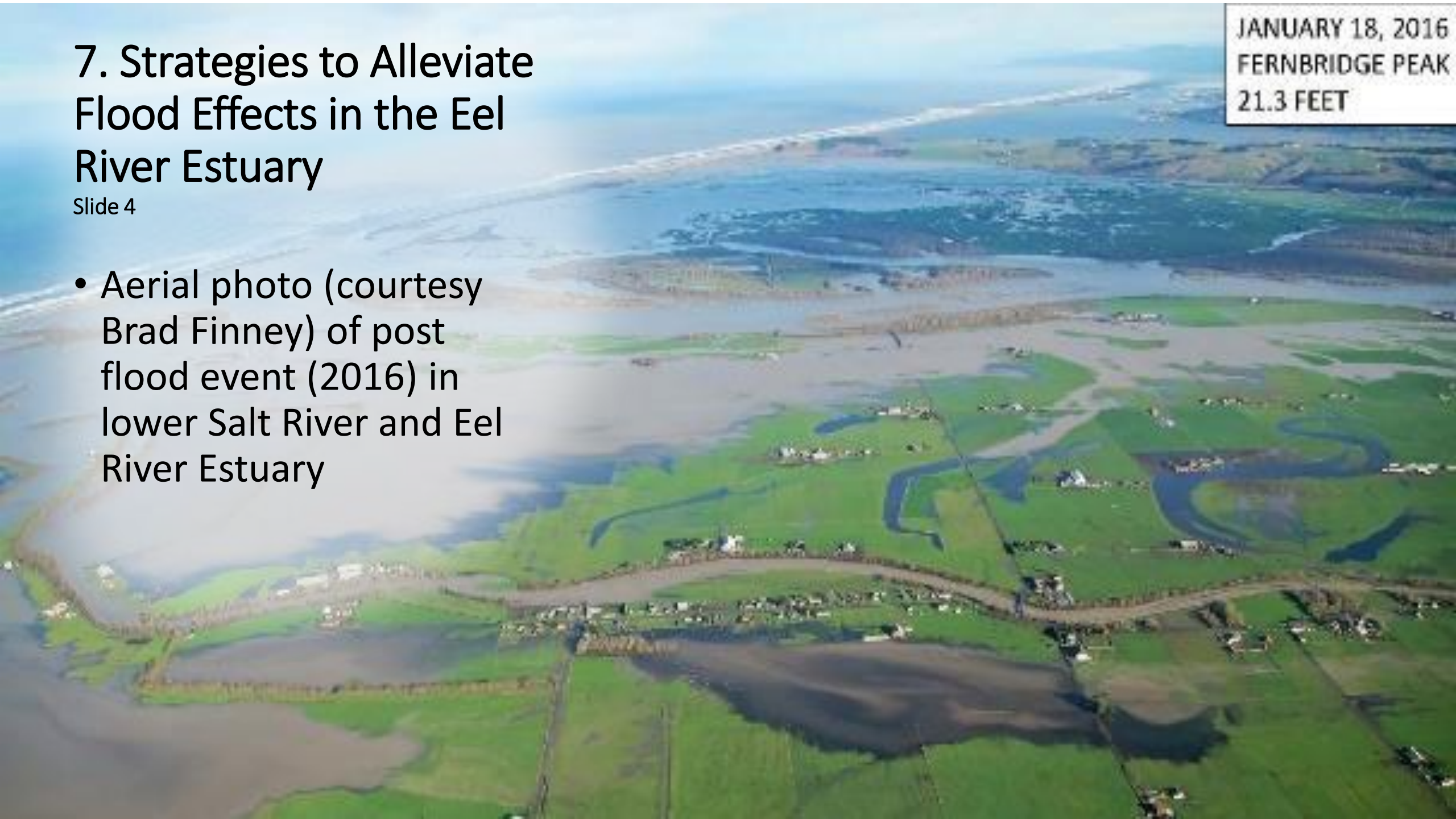


7. Strategies to Alleviate Flood Effects in the Eel River Estuary

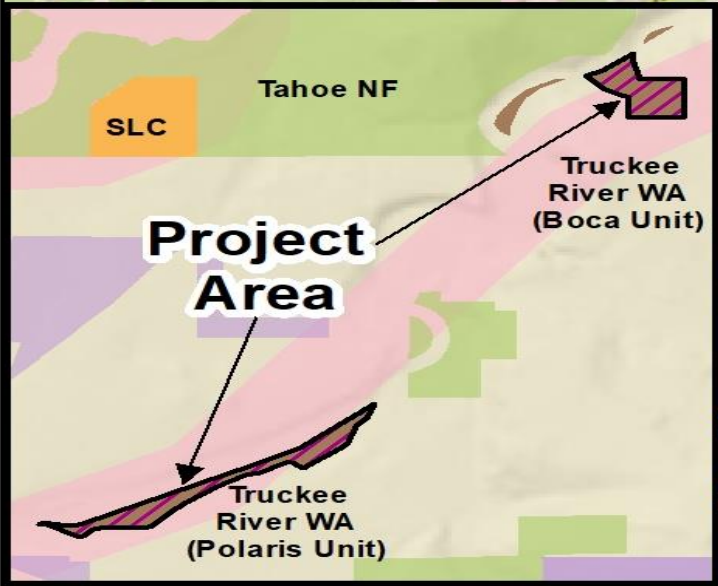
Slide 4

- Aerial photo (courtesy Brad Finney) of post flood event (2016) in lower Salt River and Eel River Estuary

JANUARY 18, 2016
FERNBRIDGE PEAK
21.3 FEET



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



Truckee River Wildlife Area Planning Nevada County



8. Truckee River Wildlife Area Planning

Slide 1

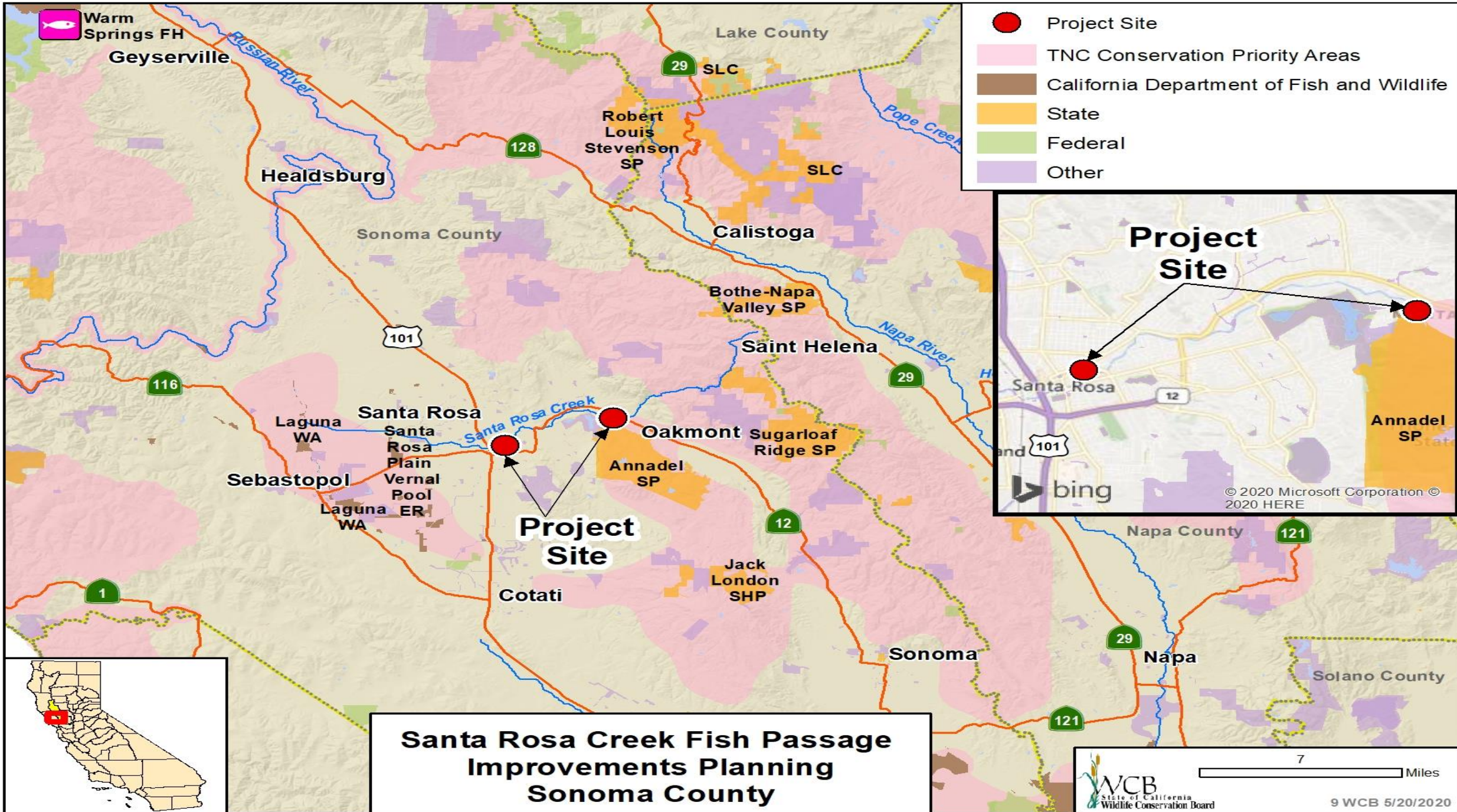
- Boca Unit Site – Exacerbated erosion on the downstream bend



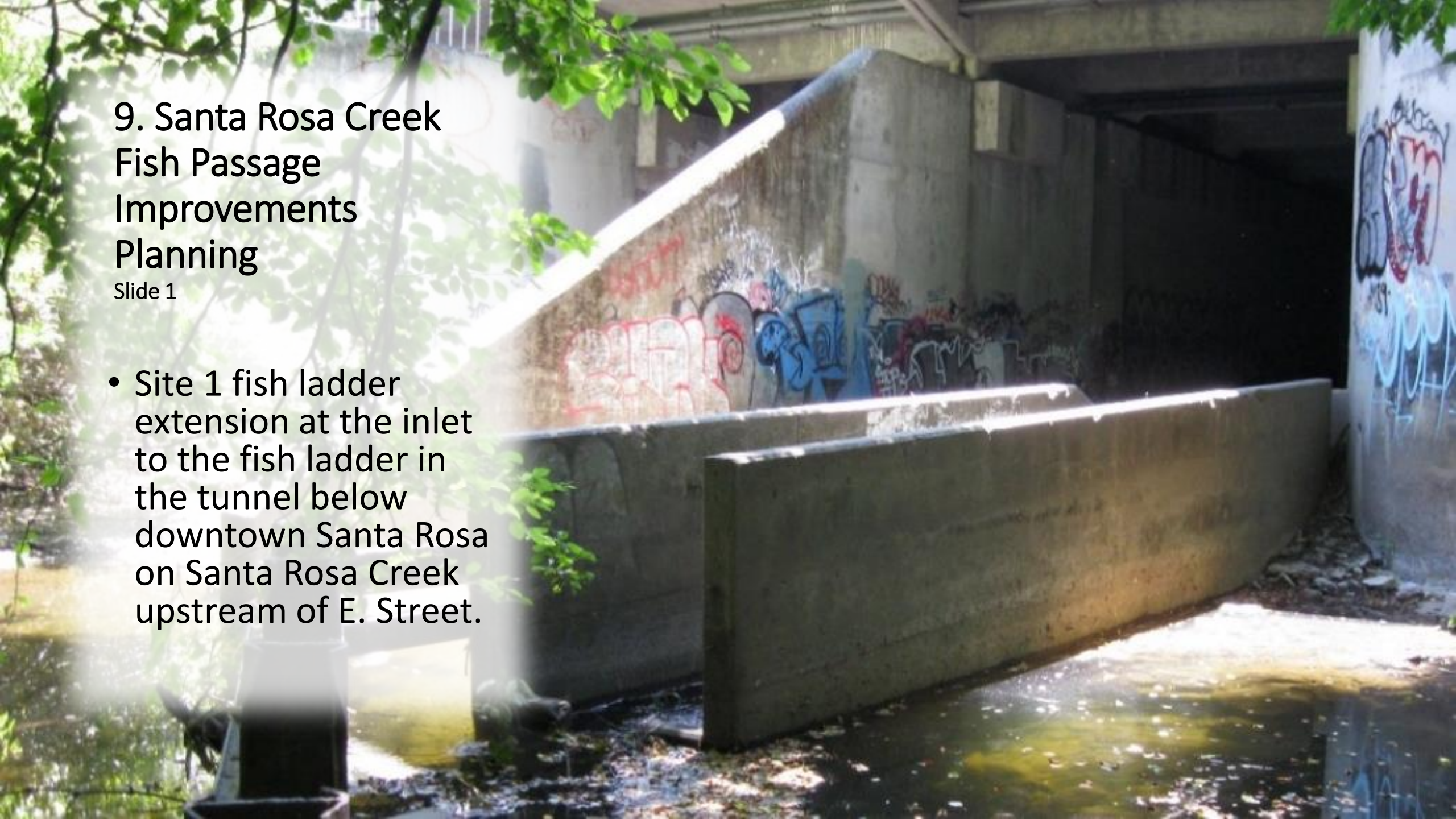
8. Truckee River Wildlife Area Planning

Slide 2

- Polaris Unit Site – Bank failure upstream and downstream



**Santa Rosa Creek Fish Passage Improvements Planning
Sonoma County**



9. Santa Rosa Creek Fish Passage Improvements Planning

Slide 1

- Site 1 fish ladder extension at the inlet to the fish ladder in the tunnel below downtown Santa Rosa on Santa Rosa Creek upstream of E. Street.

9. Santa Rosa Creek Fish Passage Improvements Planning

Slide 2

- Top down view of the Site 1 fish ladder extension

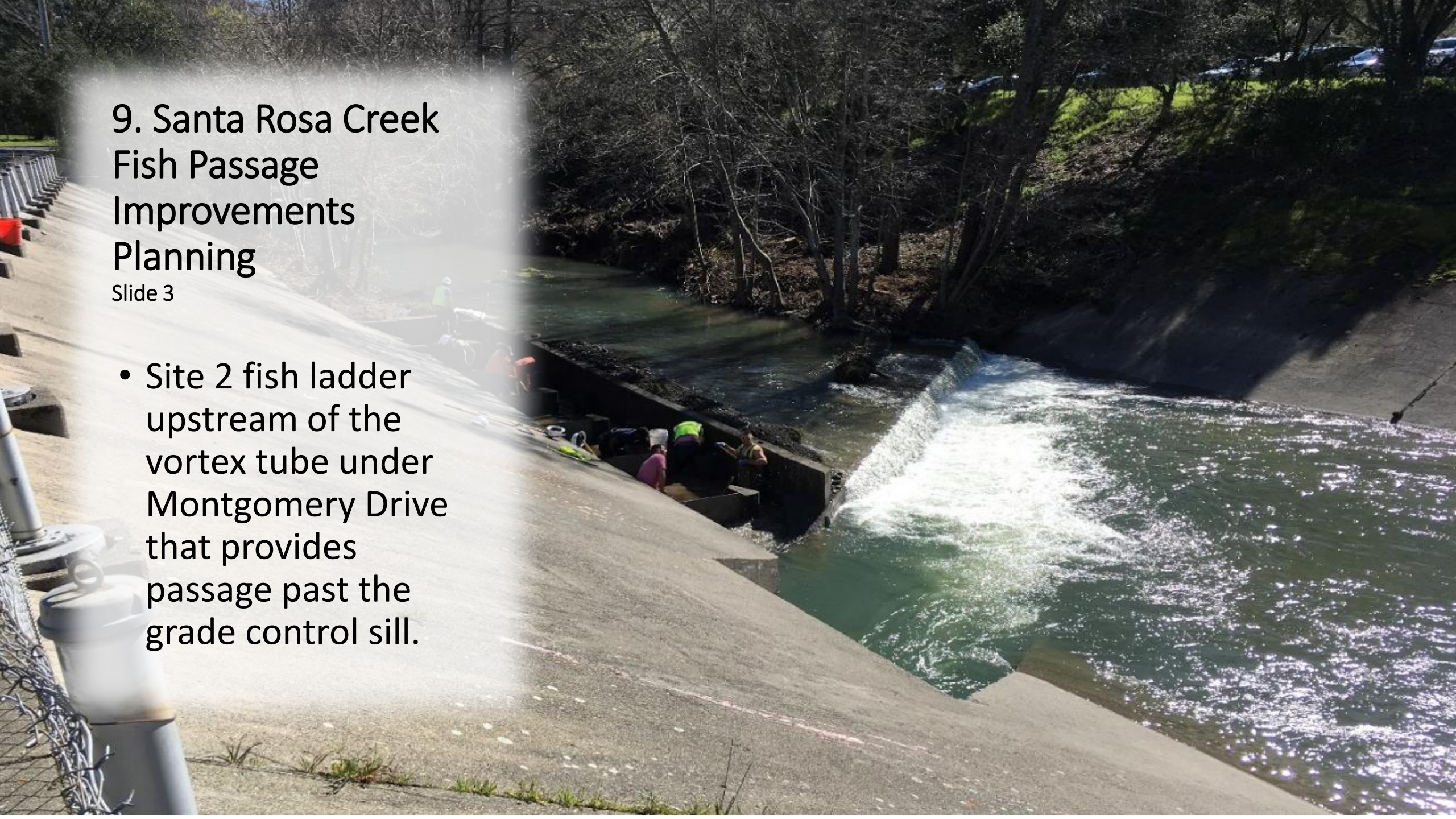


06/30/2010 14:52

9. Santa Rosa Creek Fish Passage Improvements Planning

Slide 3

- Site 2 fish ladder upstream of the vortex tube under Montgomery Drive that provides passage past the grade control sill.



9. Santa Rosa Creek Fish Passage Improvements Planning

Slide 4

- Site 2 fish ladder clogged with sediment.

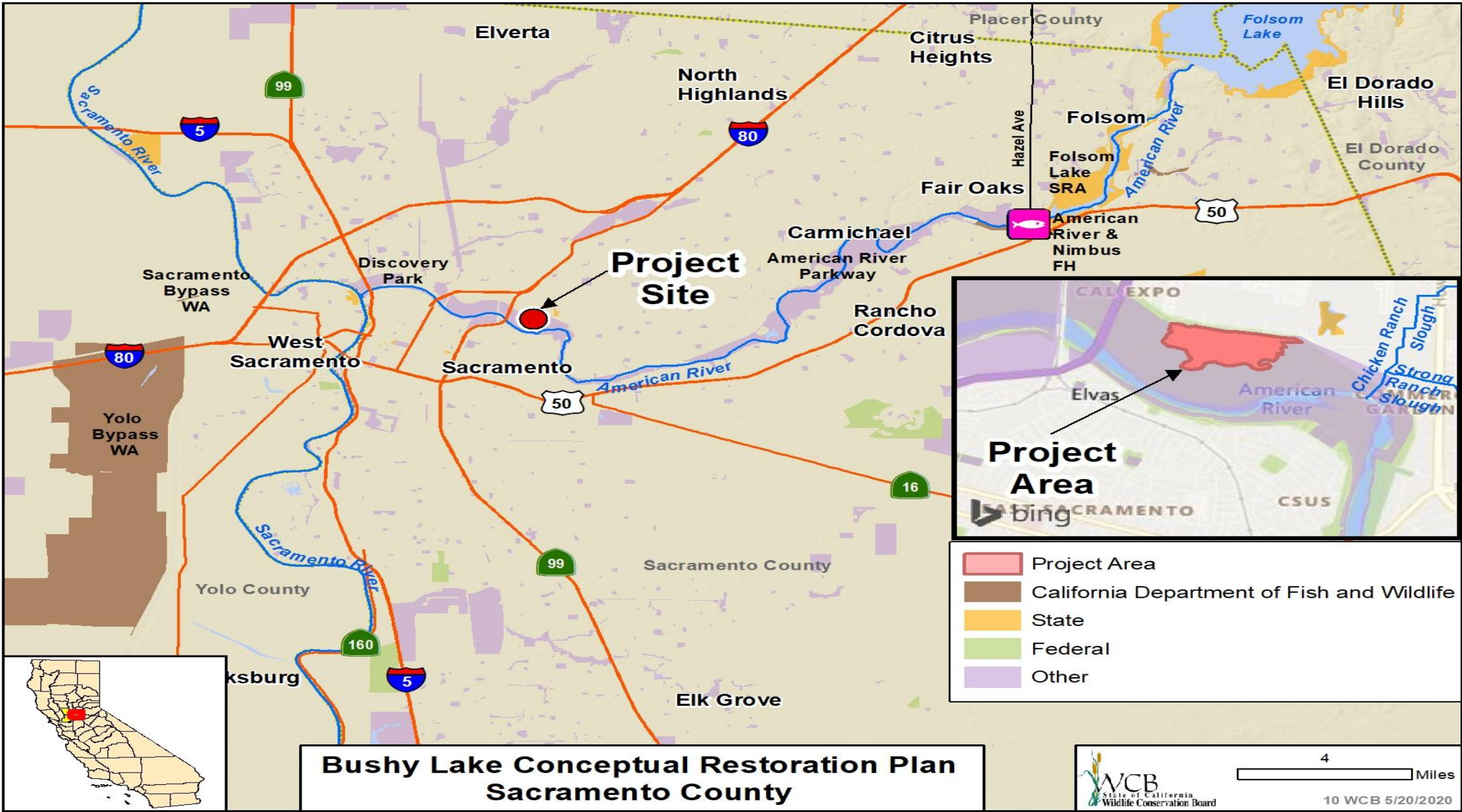


9. Santa Rosa Creek Fish Passage Improvements Planning

Slide 5

- Site 3 grade control sill upstream of the fish ladder and vortex tube. Photo is taken at relatively high flow compared to summer baseflow. The structure is a depth barrier at summer baseflow.







10. Bushy Lake Conceptual Restoration Plan

Slide 1

Bushy Lake. Photo credit: Dr. Michelle Stevens, CSU Sacramento



10. Bushy Lake Conceptual Restoration Plan

Slide 2

Male western pond turtle, Bushy Lake. Photo credit: Dr. Michelle Stevens, CSU Sacramento



11. Where Are We on the Parkway

Slide 1

Example of existing signs to be replaced

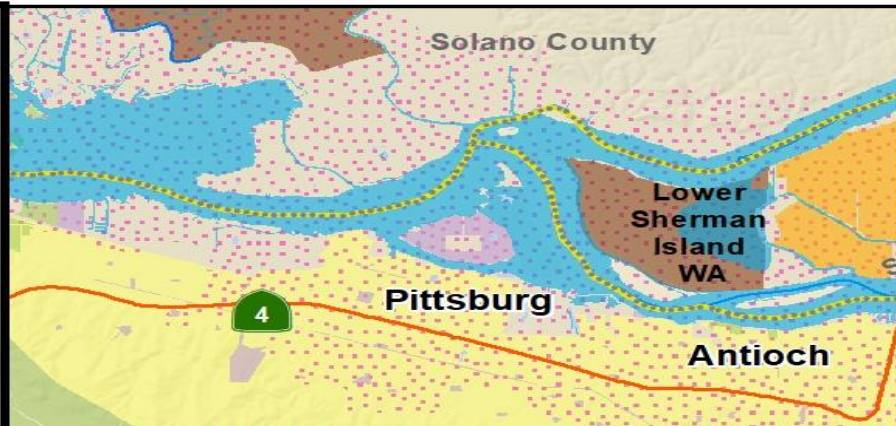
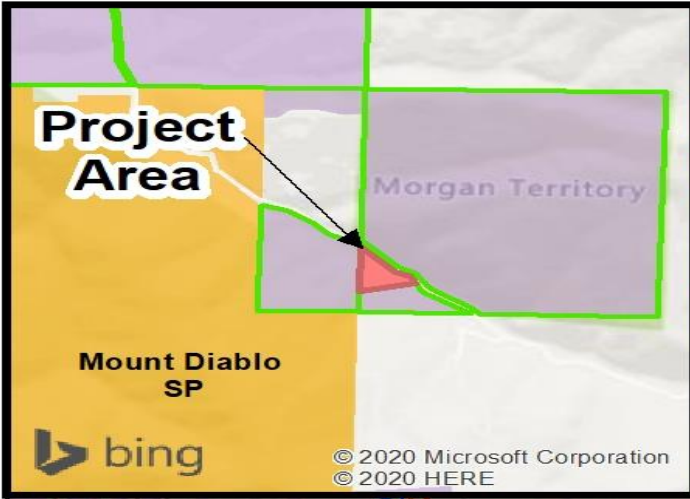




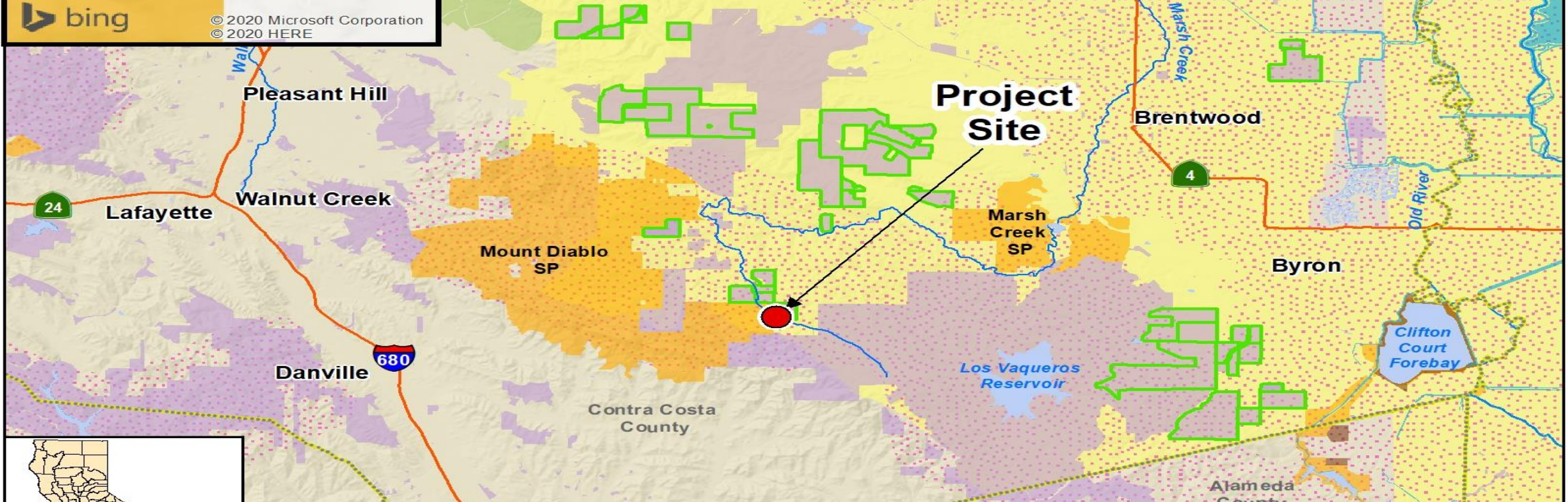
11. Where Are We on the Parkway

Slide 2

Example of new directional, wayfinding sign.



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

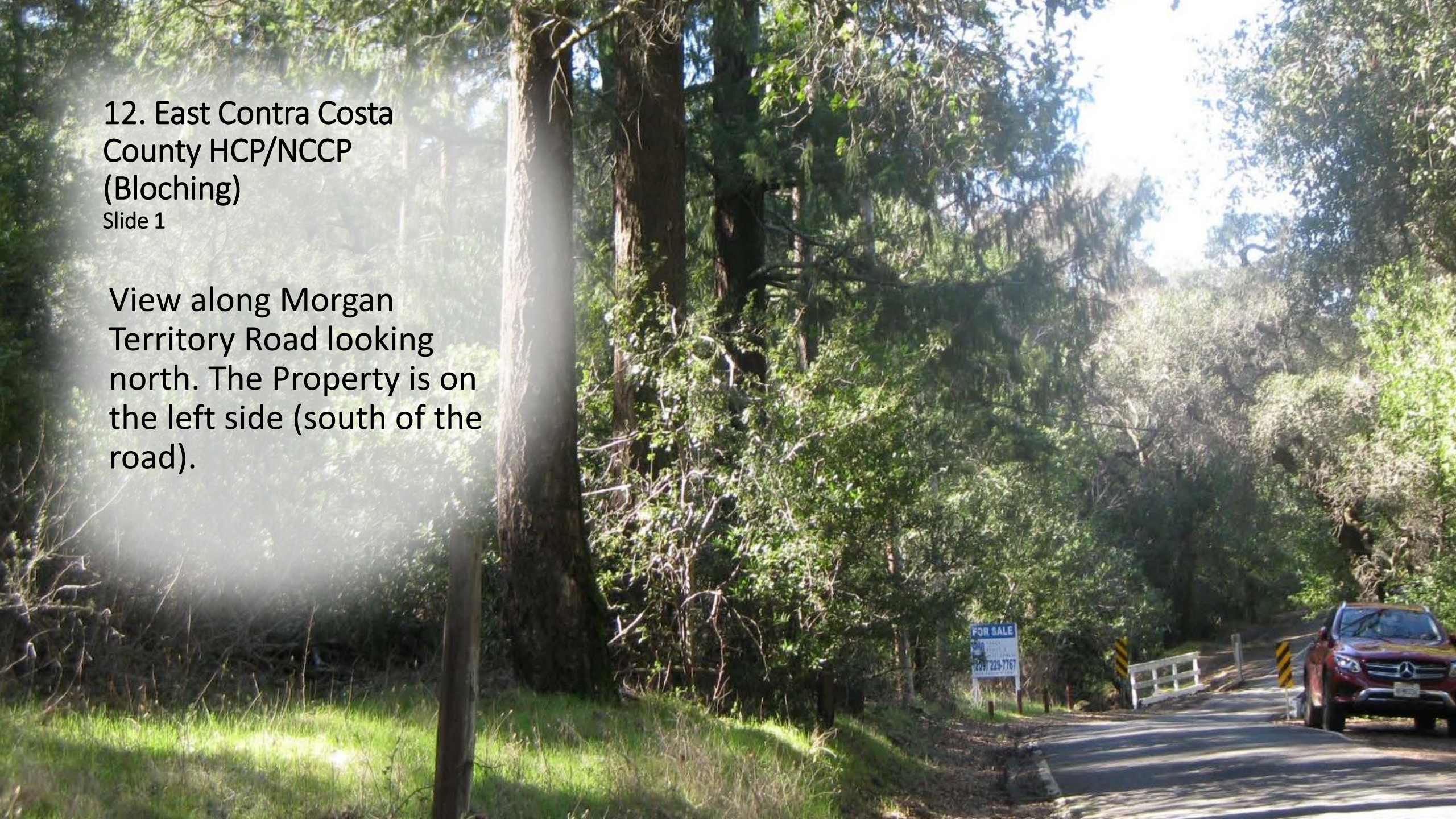


**East Contra Costa County HCP/NCCP
(Bloching)
Contra Costa County**

12. East Contra Costa County HCP/NCCP (Bloching)

Slide 1

View along Morgan
Territory Road looking
north. The Property is on
the left side (south of the
road).





12. East Contra Costa County HCP/NCCP (Bloching)

Slide 2

View of trees on the
Property.

A photograph of a small stream, Marsh Creek, flowing through a wooded area. The water is clear and flows over dark rocks. The surrounding vegetation includes various trees and shrubs, some with green leaves and others with brown, fallen leaves on the ground. The scene is captured from a slightly elevated perspective, looking down into the creek.

12. East Contra Costa County HCP/NCCCP (Bloching)

Slide 3

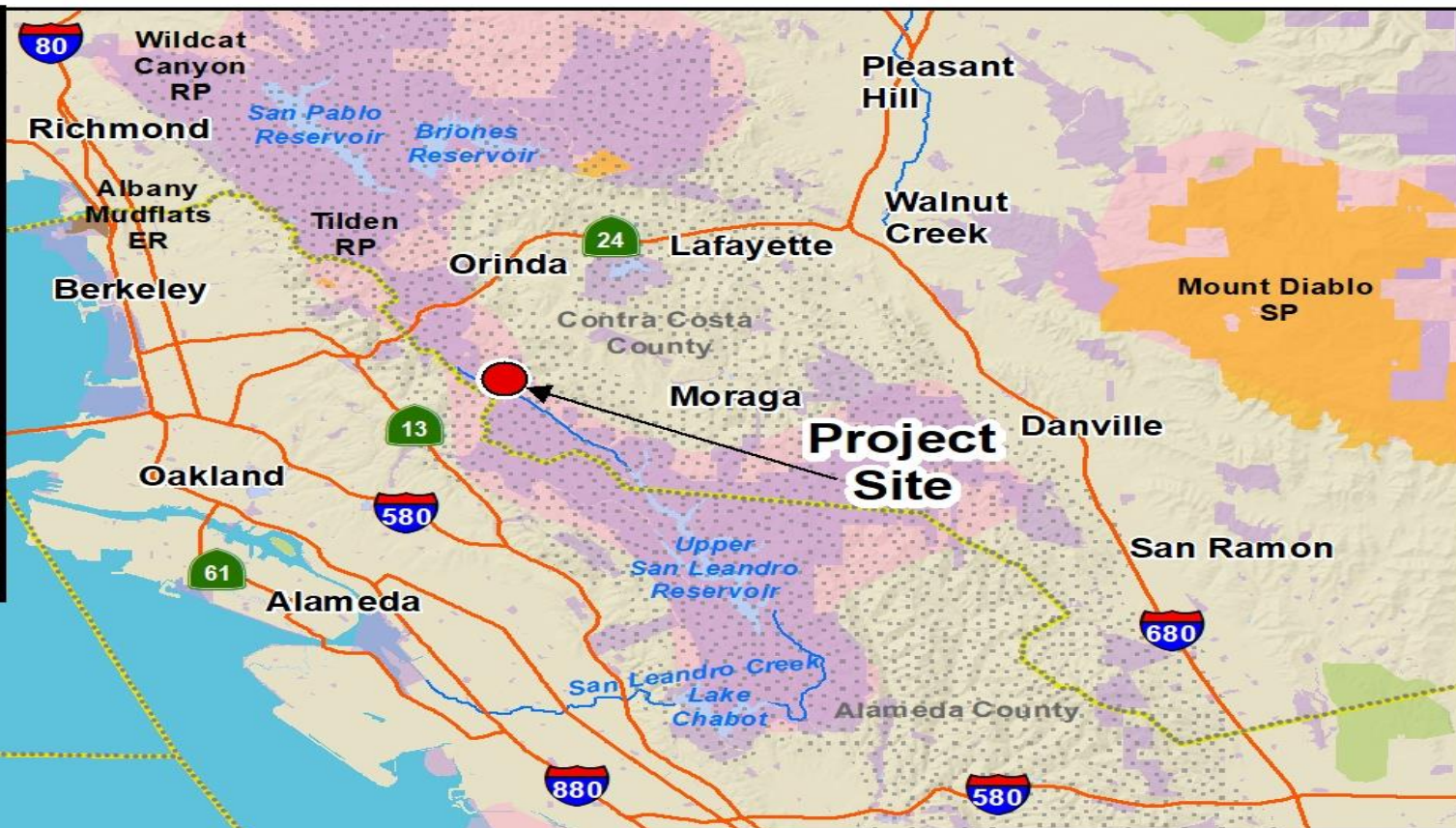
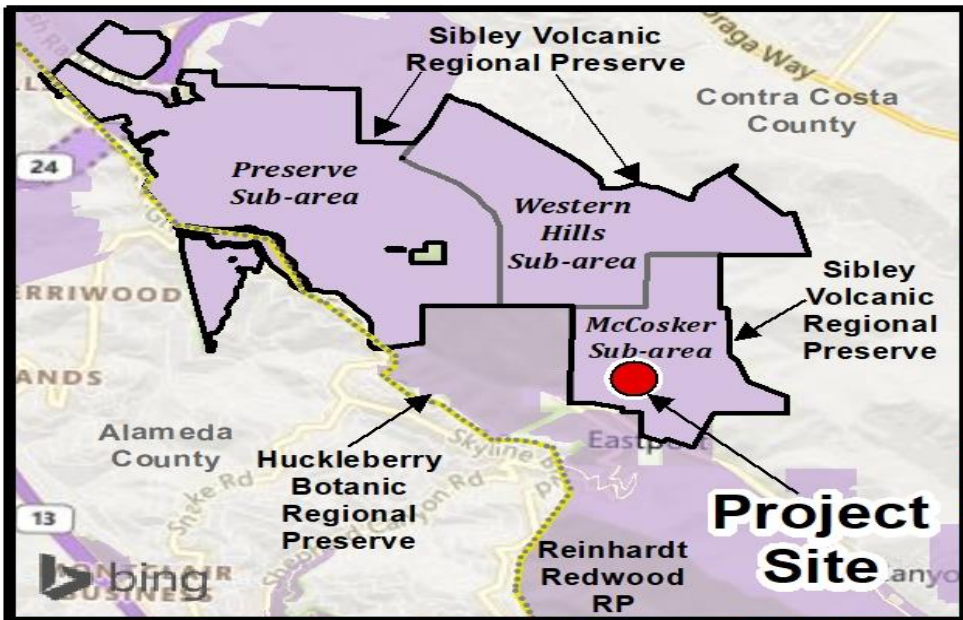
View of Marsh Creek that
runs through northwestern
portion of the Property.

A photograph of a grassy hillside. In the foreground, a large, weathered, and partially charred tree trunk lies diagonally across the frame. The ground is covered in green grass and some dry, brown vegetation. In the middle ground, a concrete foundation is visible, consisting of several rectangular blocks. The background shows more of the hillside with scattered trees and a dense forest of evergreens.

12. East Contra Costa County HCP/NCCP (Bloching)

Slide 4

- Remnants of the building foundation of the recreational cabin that reportedly burned down in the 1970s.



McCosker Riparian Habitat Restoration Contra Costa County

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

13. McCosker Riparian Habitat Restoration

Slide 1

- Sink hole 1
exposing
culverted Alder
Creek





13. McCosker Riparian Habitat Restoration

Slide 2

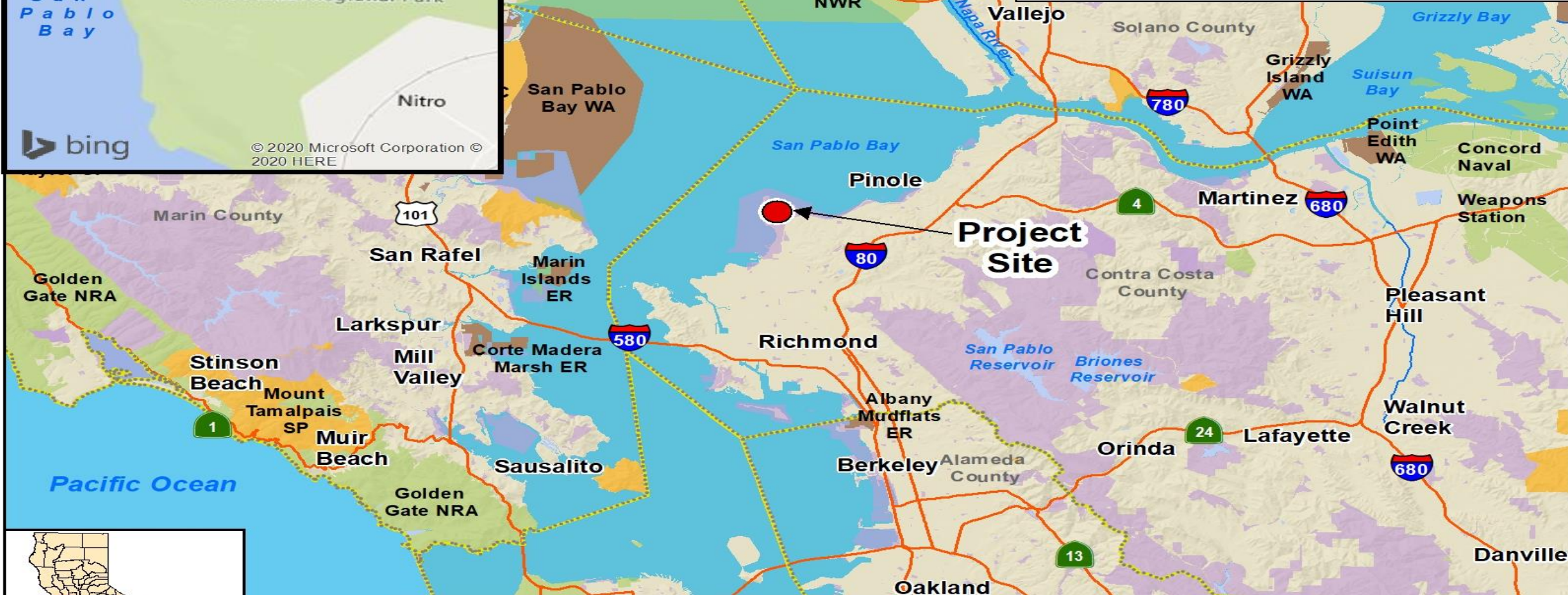
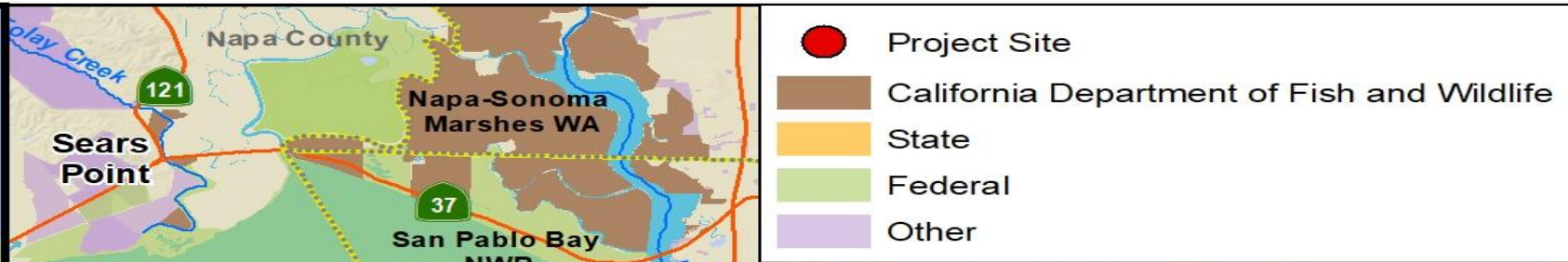
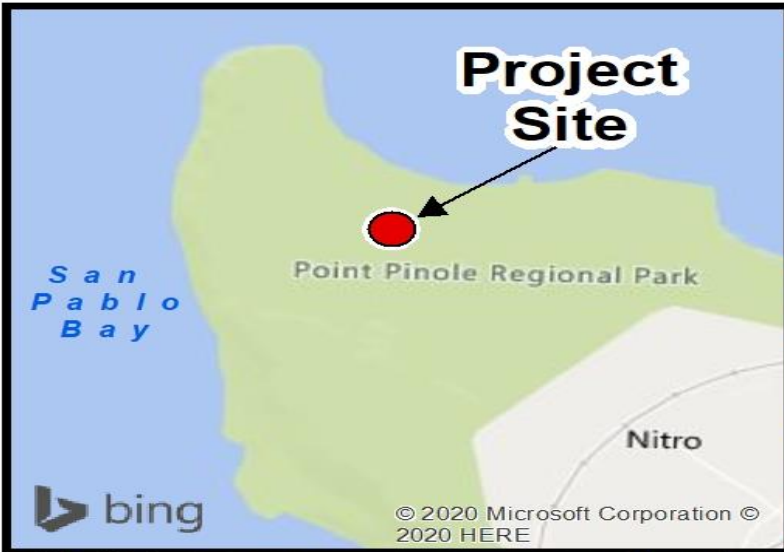
Sink hole 2 exposing
culverted Alder Creek

A photograph of a rocky stream channel in a forest. The stream is shallow and flows over a bed of rocks and fallen branches. The surrounding area is densely wooded with green foliage and trees. The lighting is bright, suggesting a sunny day. The text is overlaid on the left side of the image.

13. McCosker Riparian Habitat Restoration

Slide 3

Open Channel of
Alder Creek



Point Pinole Overwintering and Forage Enhancement Contra Costa County

14. Point Pinole Overwintering and Forage Enhancement

Slide 1

- Recently installed pollinator garden near the Main Grove.



14. Point Pinole Overwintering and Forage Enhancement

Slide 2

- View of public access and Main Grove from recently installed pollinator garden





14. Point Pinole Overwintering and Forage Enhancement

Slide 3

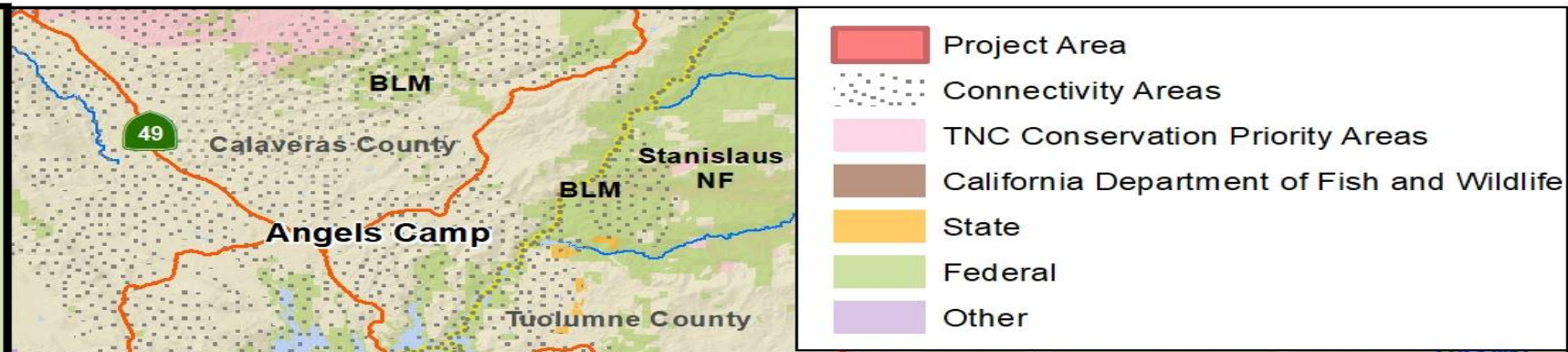
- Main Grove Site

14. Point Pinole Overwintering and Forage Enhancement


Slide 4

- Monarch Butterfly






**Bean Meadow Enhancement for Climate Resiliency
Mariposa County**



15. Bean Meadow Enhancement for Climate Resiliency

Slide 1

- Bean Creek, west fork, headcut scarp



15. Bean Meadow Enhancement for Climate Resiliency

Slide 2


- Further downstream, existing scarp between two ponds

15. Bean Meadow Enhancement for Climate Resiliency

Slide 3

Berm scarp, further
downstream





15. Bean Meadow Enhancement for Climate Resiliency

Slide 4

- Existing scarp, furthest downstream.

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



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

WCB
State of California
Wildlife Conservation Board

2 Miles

16 WCB 5/20/2020



- The existing boat access to this pond is in the upper right corner. A new ramp and supporting facilities will be installed in this location. A French drain will also be installed on the east (upstream) side of the pond to improve water flow and quality.

16. San Joaquin River Parkway, Sycamore Island Fishing Pond Enhancement Augmentation

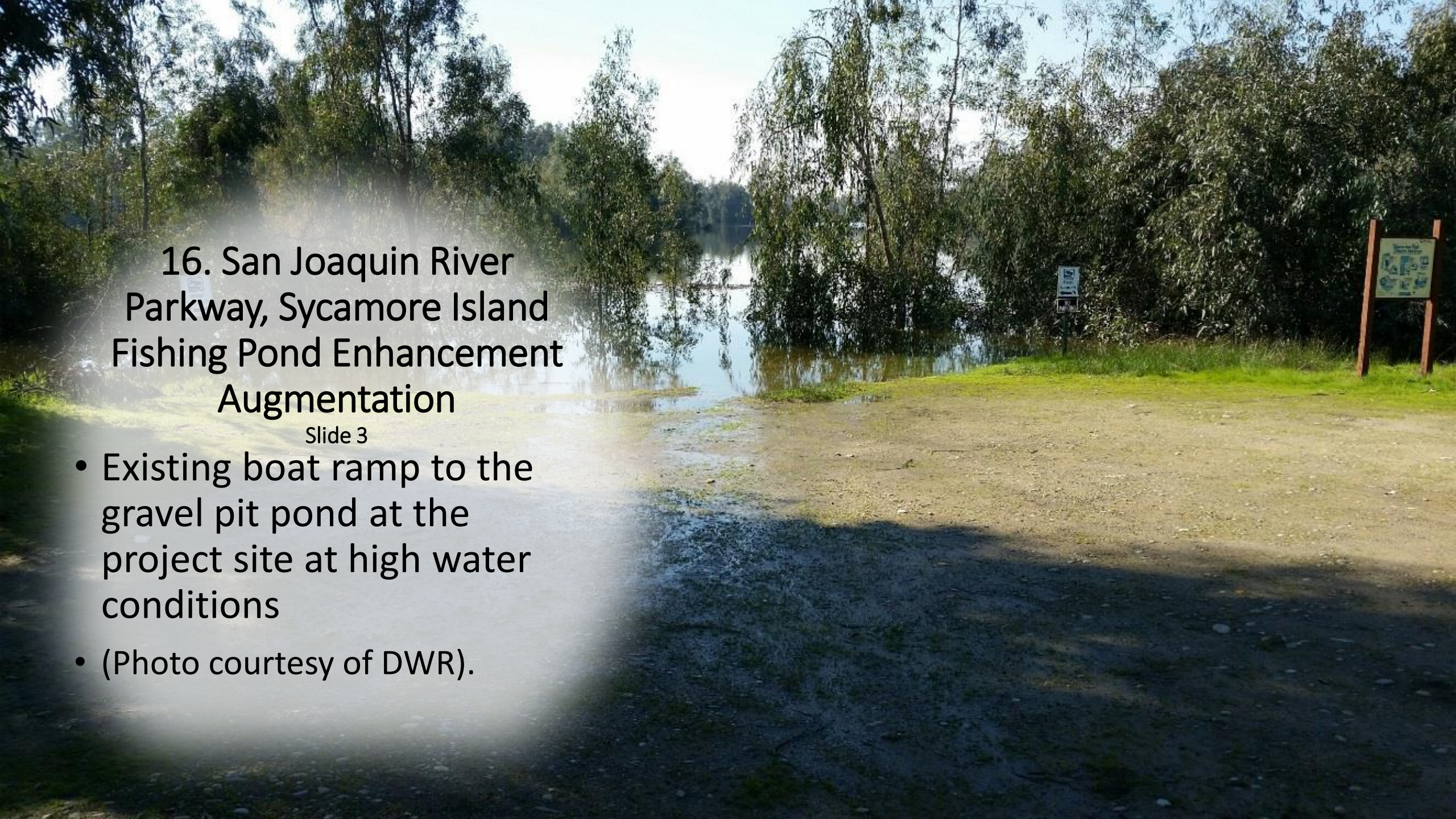
Slide 1

16. San Joaquin River Parkway, Sycamore Island Fishing Pond Enhancement Augmentation

Slide 2




- Enlarged view of the project area with the existing boat ramp identified.



16. San Joaquin River Parkway, Sycamore Island Fishing Pond Enhancement Augmentation

Slide 3

- Existing boat ramp to the gravel pit pond at the project site at high water conditions
- (Photo courtesy of DWR).



16. San Joaquin River Parkway, Sycamore Island Fishing Pond Enhancement Augmentation

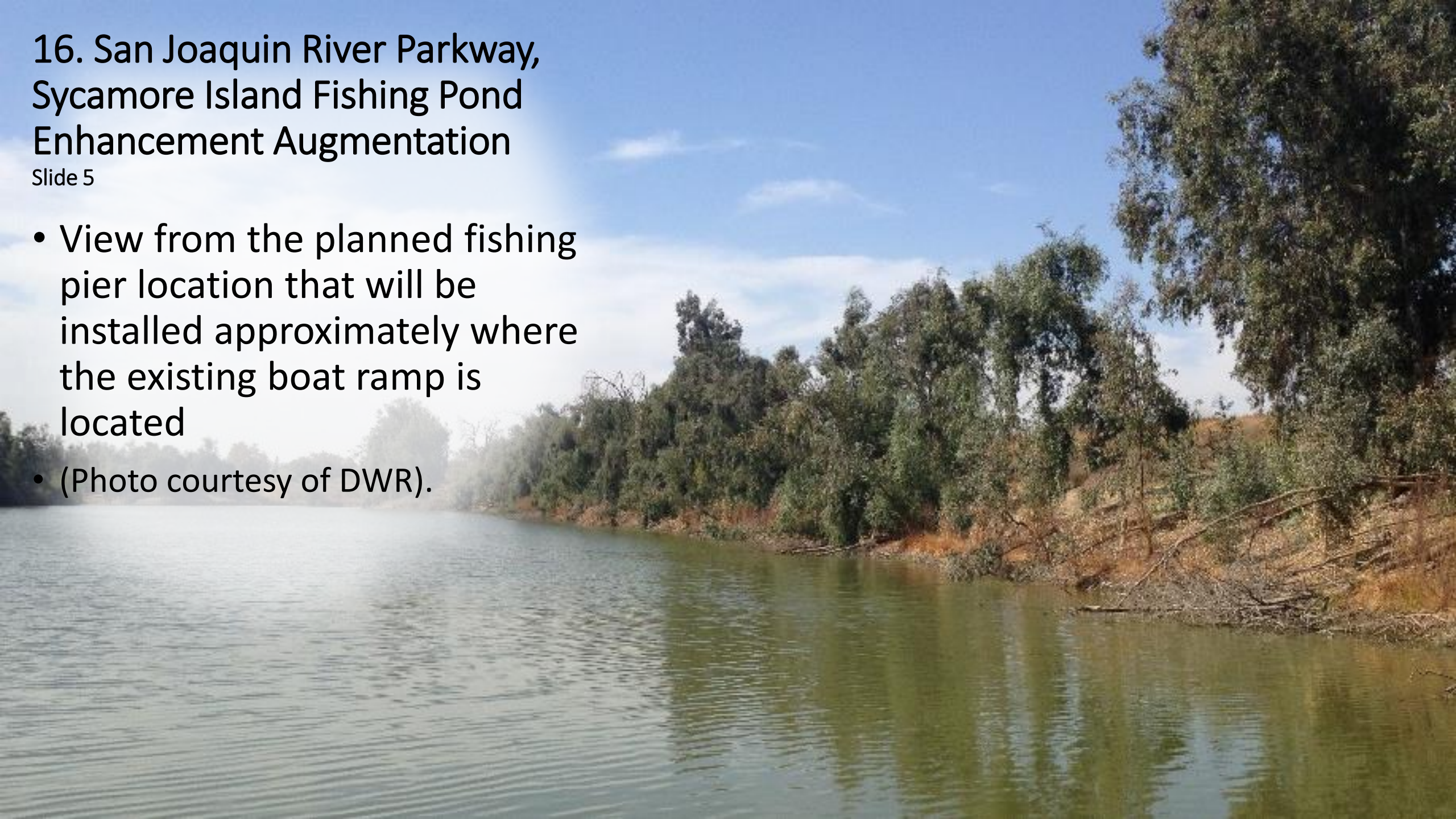
Slide 4

- View of planned boat ramp location
- (Photo courtesy of DWR)

16. San Joaquin River Parkway, Sycamore Island Fishing Pond Enhancement Augmentation

Slide 5

- View from the planned fishing pier location that will be installed approximately where the existing boat ramp is located
- (Photo courtesy of DWR).



16. San Joaquin River Parkway, Sycamore Island Fishing Pond Enhancement Augmentation

Slide 6

- Proposed location for a French drain
- (Photo courtesy of DWR)



16. San Joaquin River Parkway, Sycamore Island Fishing Pond Enhancement Augmentation

Slide 7

- Drilling to obtain soil cores for engineering analysis
- (Photo courtesy of DWR)



16. San Joaquin River Parkway, Sycamore Island Fishing Pond Enhancement Augmentation

Slide 8

- Drilled soil cores
- (Photo courtesy of DWR)





17. Habitat Restoration at Anacapa Island

Slide 1

- Past and future restoration area map.



**East Anacapa Island Restoration Areas
Current and Future Plot Locations**

0 390 780 Feet Date: 10/24/2019





17. Habitat Restoration at Anacapa Island

Slide 2

- Scripps's murrelet adult

17. Habitat Restoration at Anacapa Island

Slide 3

- Scripps's murrelet chicks



An aerial photograph of a coastal landscape. The foreground and middle ground are covered in dense, low-lying vegetation, primarily green and brownish. A dirt path or trail winds through the vegetation. Several people are walking along this path. In the background, a sandy beach or dune area is visible, with many white birds, likely gulls, scattered across it. The overall scene depicts a natural, somewhat rugged environment.

17. Habitat Restoration at Anacapa Island

Slide 4

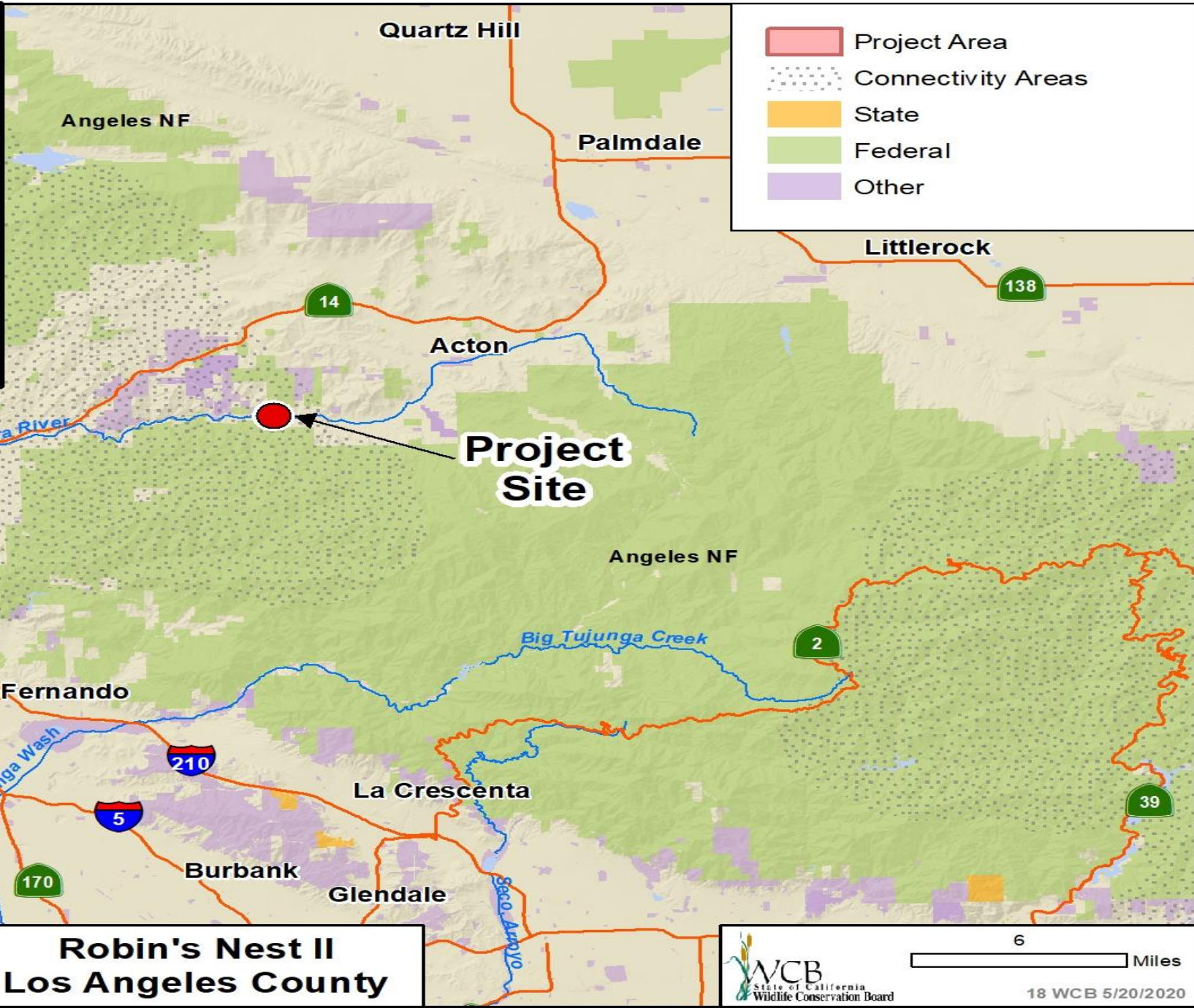
Pre-restoration at East
Anacapa Islet 2016

An aerial photograph of Anacapa Island, California. The foreground and middle ground are dominated by dense, low-lying green and yellowish-brown shrubs, indicating a successful habitat restoration project. In the background, several white, rectangular buildings are scattered across the island's terrain. The island's edge is rugged, with dark volcanic rock formations visible on the right side. The ocean is a deep blue, and a large, rocky island is visible in the distance under a clear sky.

17. Habitat Restoration at Anacapa Island

Slide 5

- Post-restoration at East Anacapa Islet 2017



- Project Area
- Connectivity Areas
- State
- Federal
- Other



A landscape photograph of a desert valley. In the foreground, there are dry, brownish bushes and a few trees with yellowing leaves. The middle ground shows rolling hills and a prominent rock formation with a face-like shape. The background features more hills and a clear blue sky with scattered white clouds. The overall scene is a typical desert environment.

18. Robin's Nest II

Slide 1

- The Property's topography is generally level to rolling with some steeper hills and includes portions of the Santa Clara.

18. Robin's Nest II

Slide 2

- The Property is recognized by the South Coast Missing Linkages Project as having critical importance for wildlife movement between the San Gabriel and Sierra Madre Mountains.

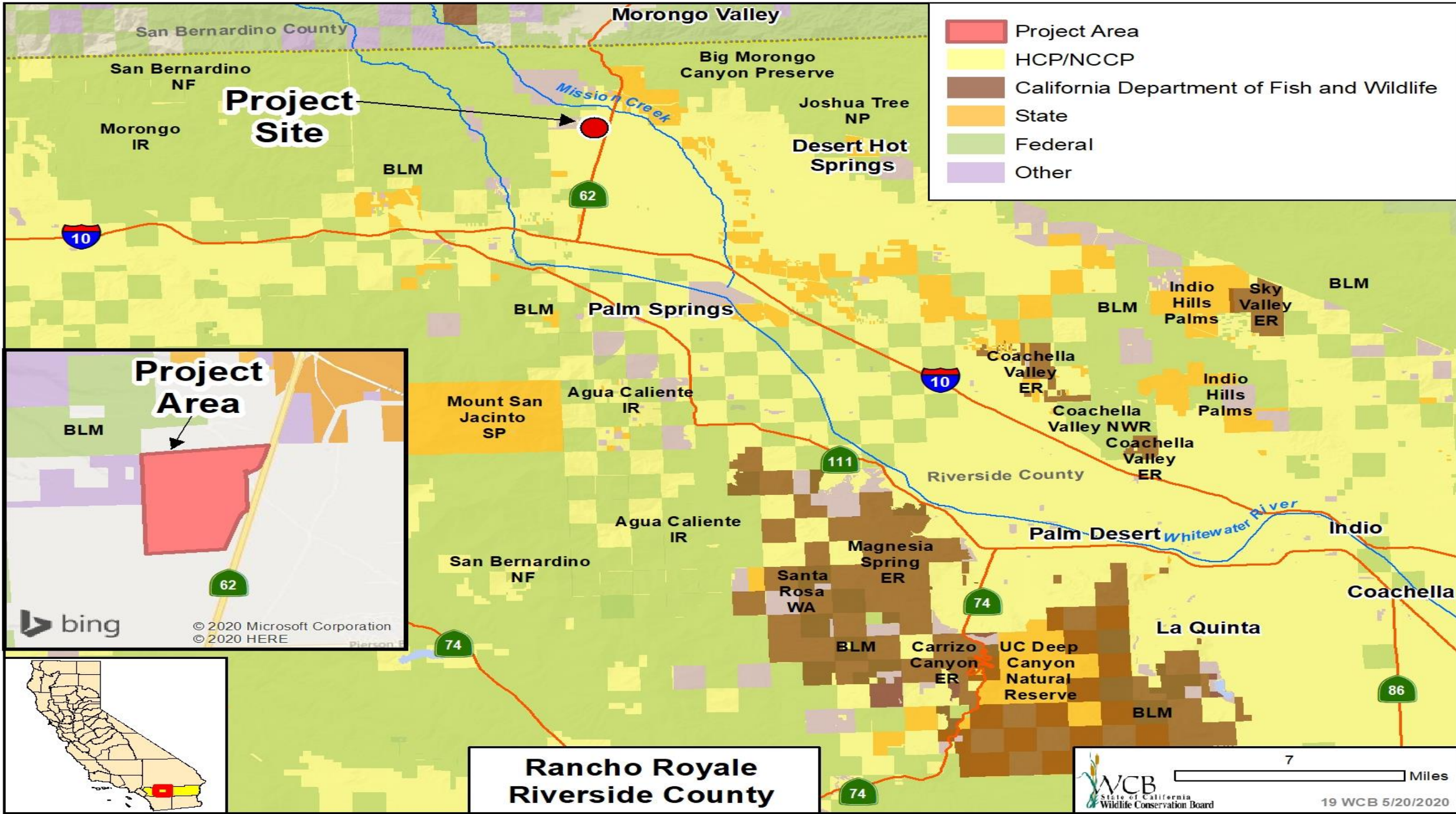




18. Robin's Nest II

Slide 3

- The Property is bordered by a Los Angeles County Metropolitan Transportation Authority fee-owned railroad right-of-way on the northern boundary and is adjacent to the Angeles National Forest on its southern boundary, as well as MRCA lands to the north and east





19. Rancho Royale

Slide 1

Westerly view of the property from the eastern boundary.



19. Rancho Royale

Slide 2

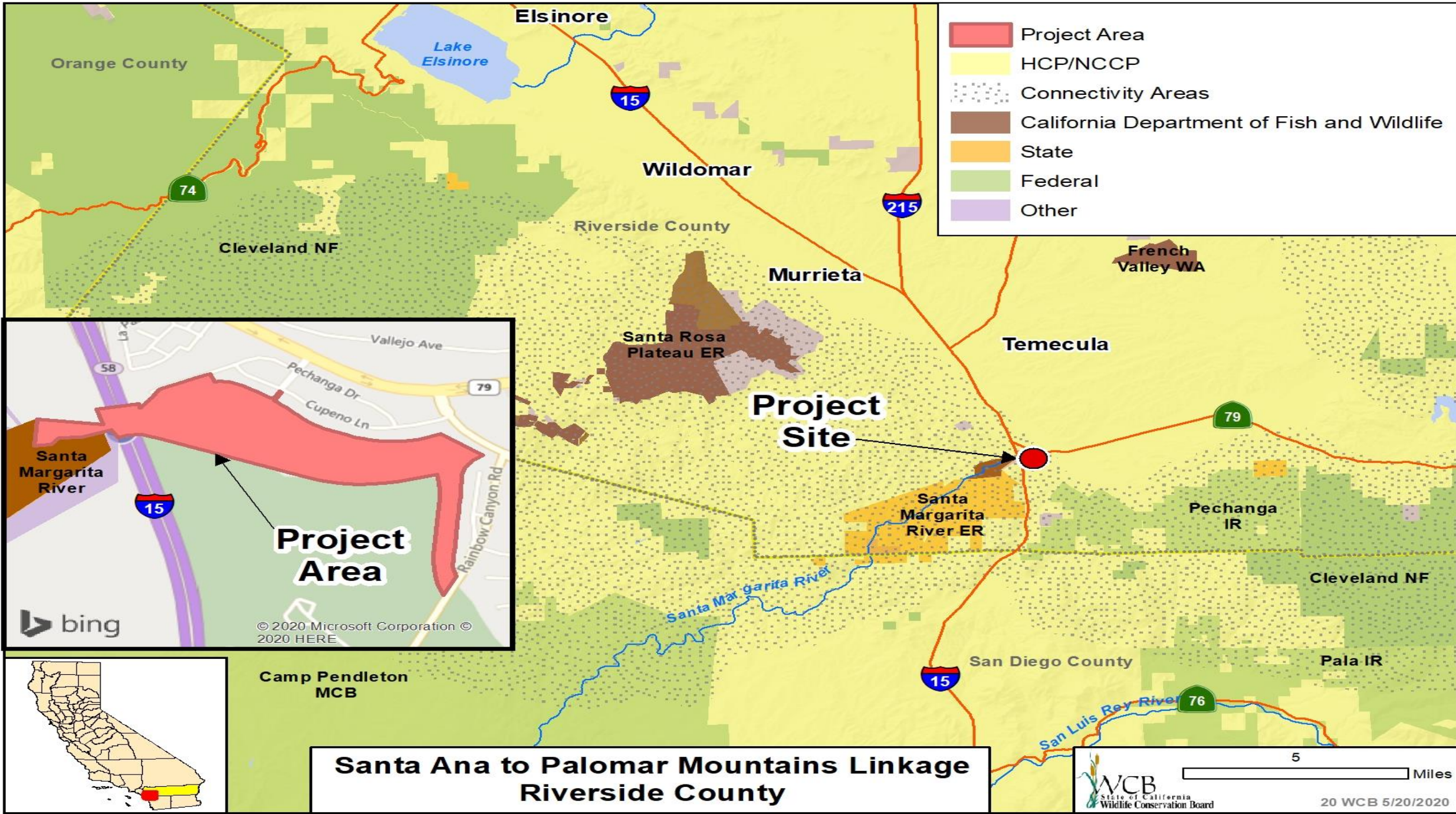
Northeasterly view across
the property




19. Rancho Royale

Slide 3

Southeasterly view of the
Property from the
western boundary



**Santa Ana to Palomar Mountains Linkage
Riverside County**



20. Santa Ana to Palomar Mountains Linkage

Slide 1

Temecula Creek riparian
habitat dominated by
invasive Pampas grass,
April 2019

A dirt path winds through a lush riparian area. In the foreground, a large cluster of non-native Mexican fan palms (Coccothrinax aculeata) is prominent, with their characteristic fan-shaped fronds. The path is shaded by the overhanging branches of large, mature trees with thick trunks and dense green foliage. The ground is a mix of dirt and sparse grass. The overall scene is a natural, somewhat overgrown habitat.

20. Santa Ana to Palomar Mountains Linkage

Slide 2

Non-native Mexican fan palms
establishing in Temecula Creek
riparian understory, April 2019



20. Santa Ana to Palomar Mountains Linkage

Slide 3

Wildlife Crossing experts gather at Temecula Creek Bridge to assess impediments to wildlife use in January 2015

20. Santa Ana to Palomar Mountains Linkage

Slide 4

- Trash and graffiti
under Temecula Creek
Bridge



20. Santa Ana to Palomar Mountains Linkage

Slide 5

- Trash/debris dumped
along Temecula Creek

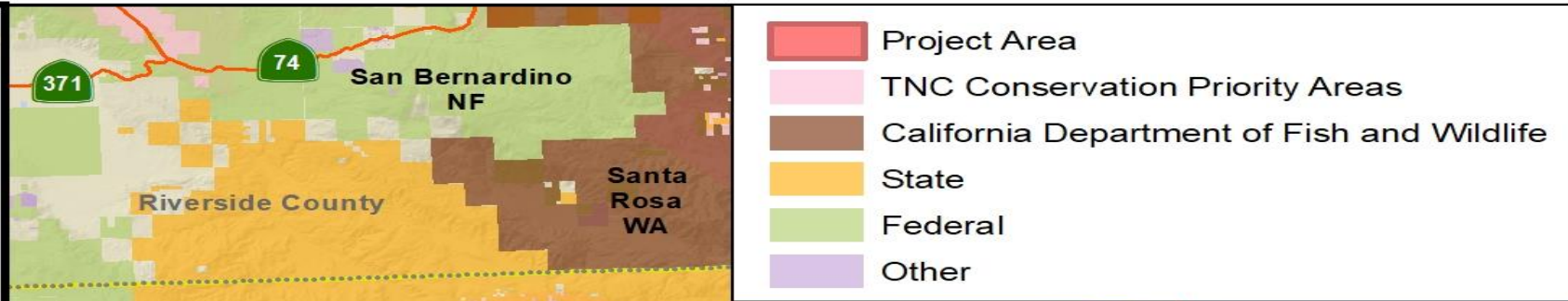
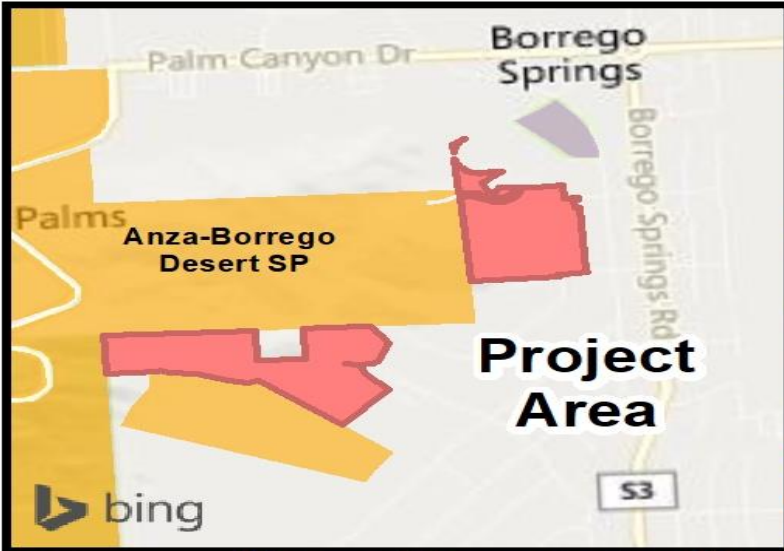


20. Santa Ana to Palomar Mountains Linkage

Slide 6

- Inadequate fencing requires constant repair to address breaches/trespass





**Anza-Borrogo Desert Research Center
Solar Array Project
San Diego County**



21. Anza Borrego
Desert Research
Center Solar Array

Slide 1

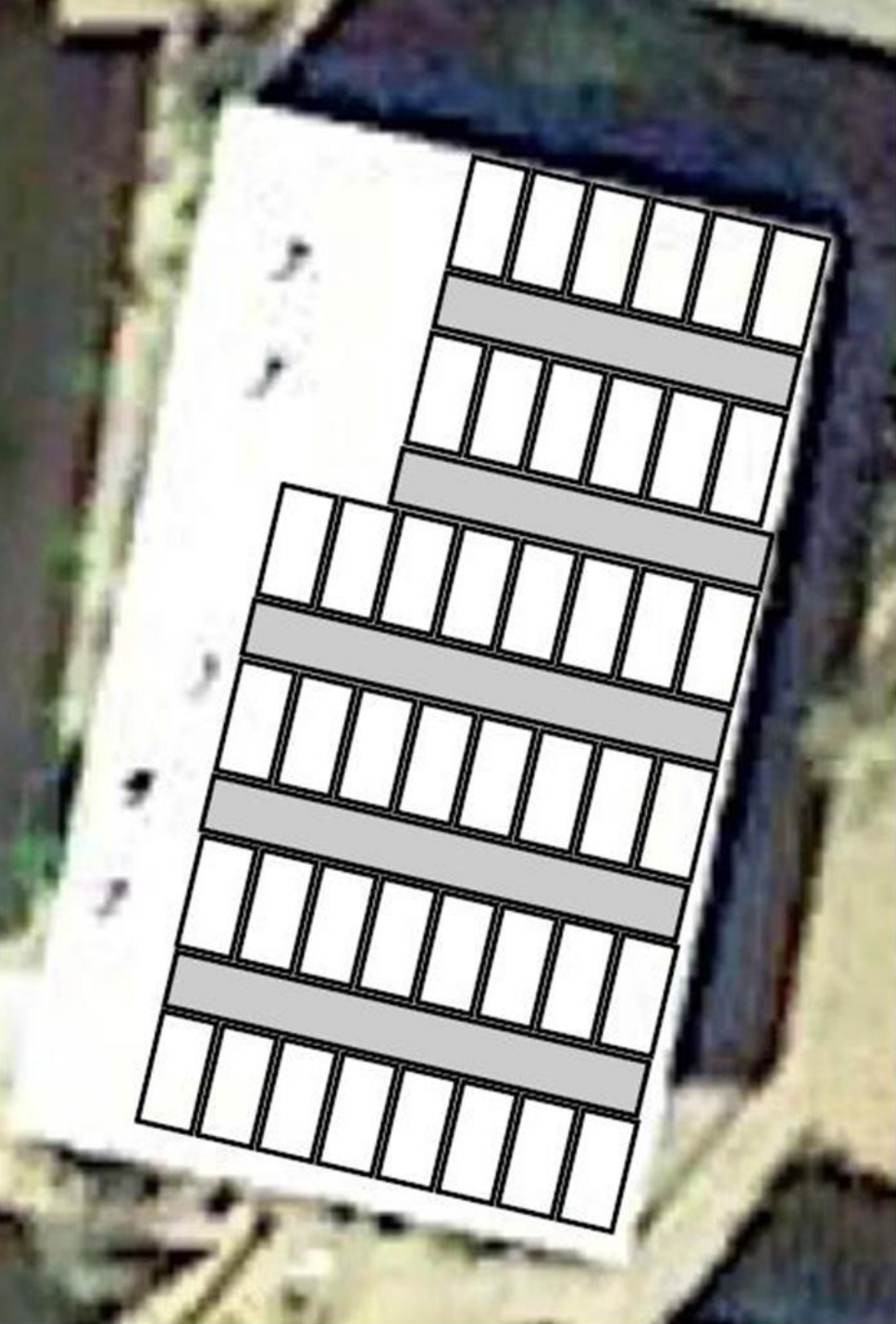
1,225 square foot efficiency unit building



21. Anza Borrego Desert Research Center Solar Array

Slide 2

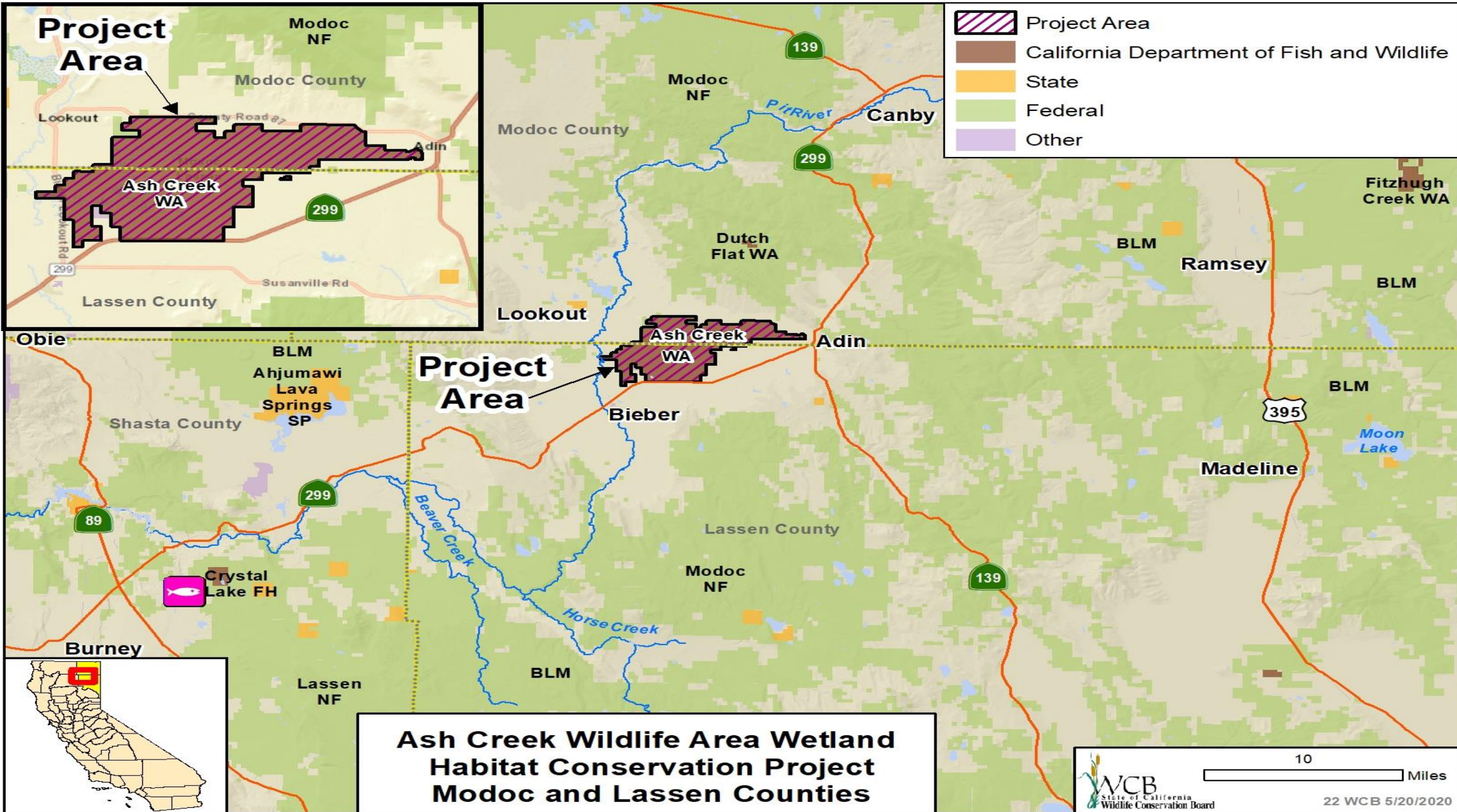
- Overhead view of the Anza Borrego Desert Research Center campus



21. Anza Borrego Desert Research Center Solar Array

Slide 3

- Proposed solar panel layout on efficiency unit building



Project Area

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

Project Area

**Ash Creek Wildlife Area Wetland Habitat Conservation Project
Modoc and Lassen Counties**



22. Ash Creek Wildlife Area Wetland Habitat Conservation

Slide 1

- Seasonal wetland unit

A large flock of Canada geese is gathered in a shallow wetland. The water is a deep blue, and the surrounding landscape is a vast, flat expanse of dry, golden-brown grasses. In the far distance, a range of blue mountains with patches of snow is visible under a clear sky. The geese are scattered across the water, some standing in small pools and others partially submerged. The overall scene is a natural, serene depiction of a migratory bird habitat.

22. Ash Creek Wildlife Area Wetland Habitat Conservation

Slide 2


- Migratory bird use on seasonal wetland unit

A photograph of a wetland area. In the foreground, a dirt path leads to a canal. A dilapidated, white-painted metal screwgate is partially submerged in the water. The canal flows through a field of tall, dry grasses and some green vegetation. In the background, there are rolling hills under a clear blue sky.

22. Ash Creek Wildlife Area Wetland Habitat Conservation

Slide 3

- Existing dilapidated Big Valley Canal screwgate



22. Ash Creek Wildlife Area Wetland Habitat Conservation

Slide 4

- Existing dilapidated Big Valley Canal culvert



22. Ash Creek Wildlife Area Wetland Habitat Conservation

Slide 5

- Existing silted in, and eroded, canal infrastructure

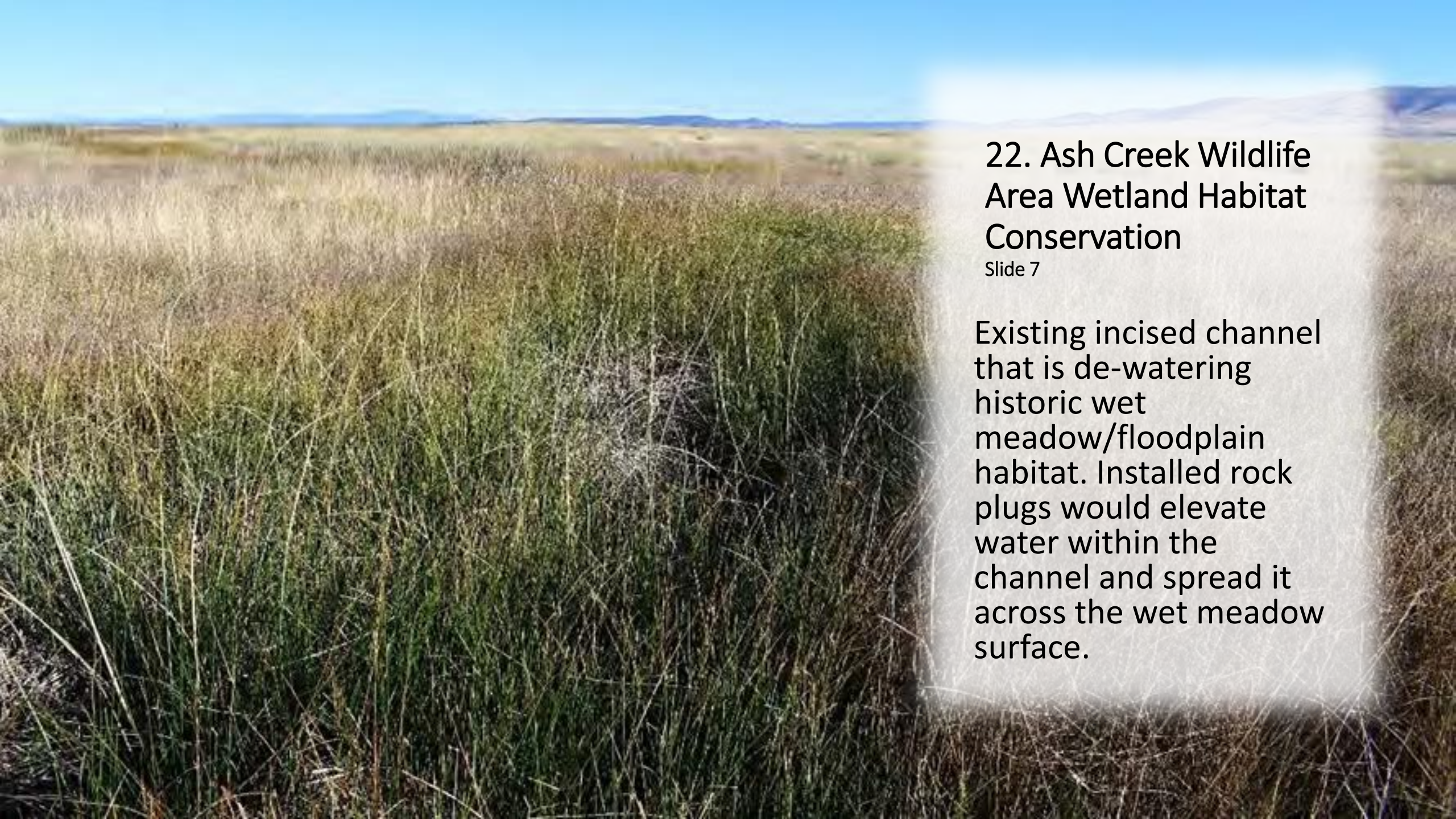
-



22. Ash Creek Wildlife Area Wetland Habitat Conservation

Slide 6

- Big Valley Canal section parallel to Hwy 299



22. Ash Creek Wildlife Area Wetland Habitat Conservation

Slide 7

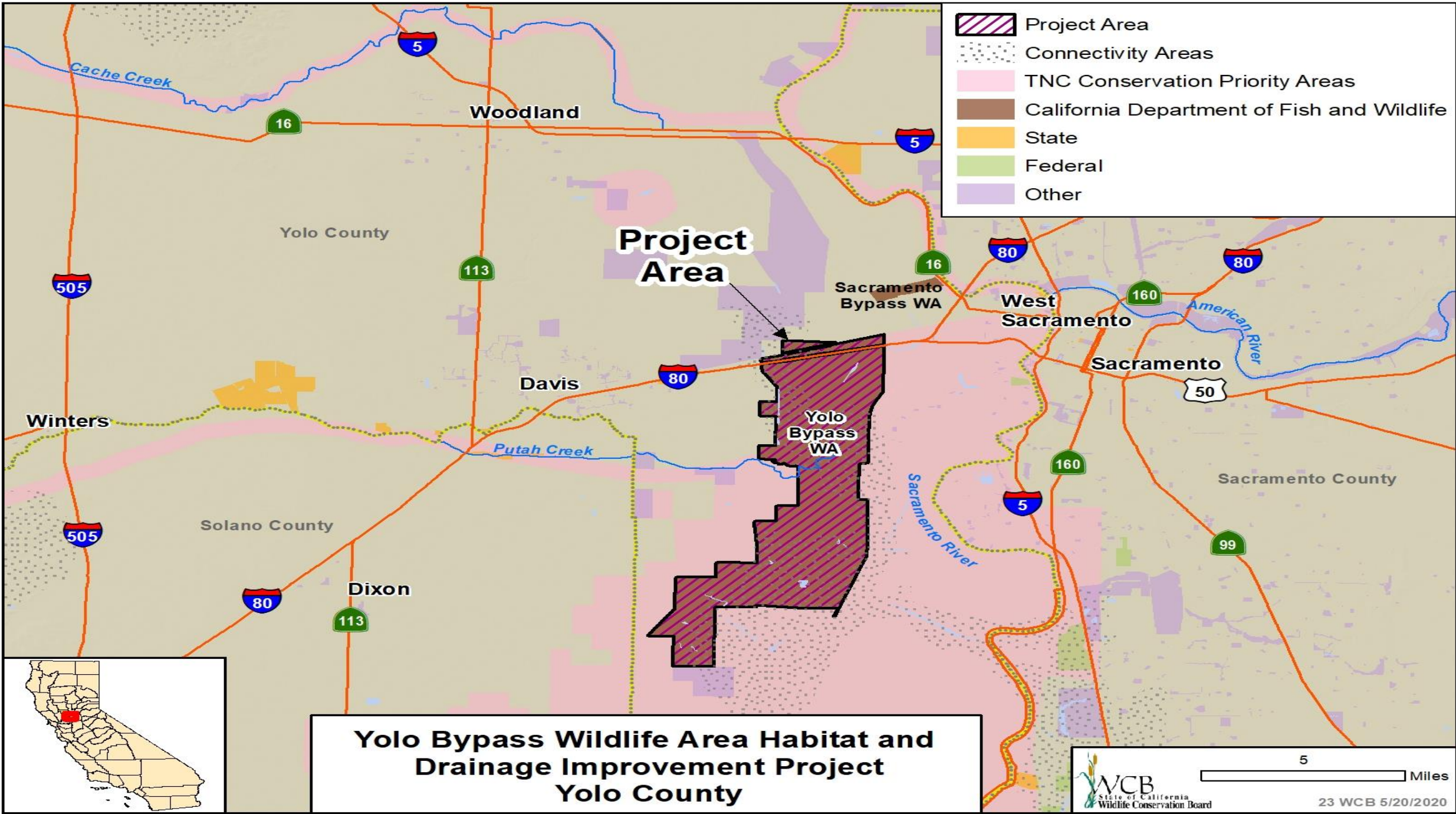
Existing incised channel that is de-watering historic wet meadow/floodplain habitat. Installed rock plugs would elevate water within the channel and spread it across the wet meadow surface.

22. Ash Creek Wildlife Area Wetland Habitat Conservation

Slide 8

- Rank emergent vegetation within existing brood pond units.

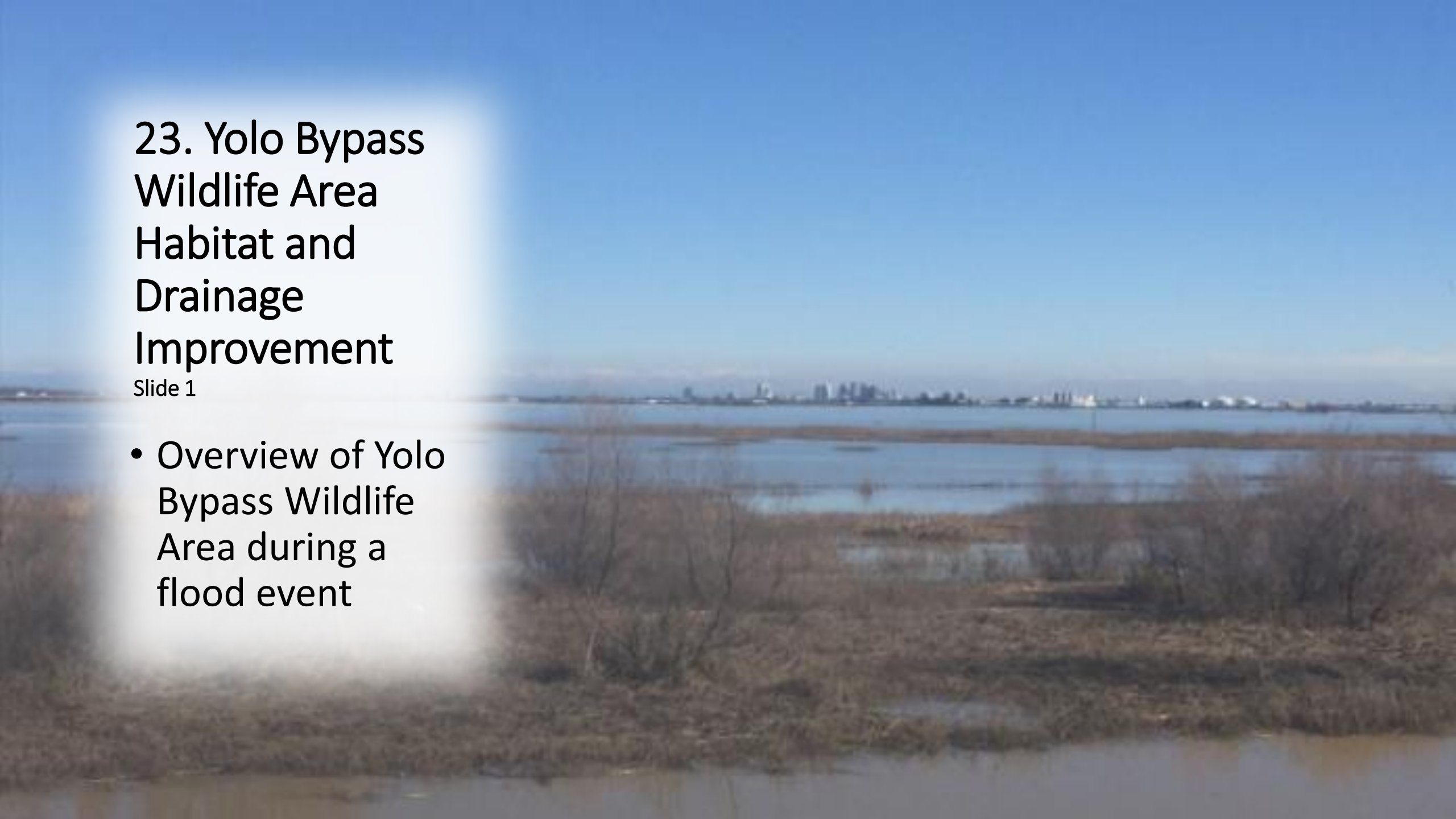





23. Yolo Bypass Wildlife Area Habitat and Drainage Improvement

Slide 1

- Overview of Yolo Bypass Wildlife Area during a flood event

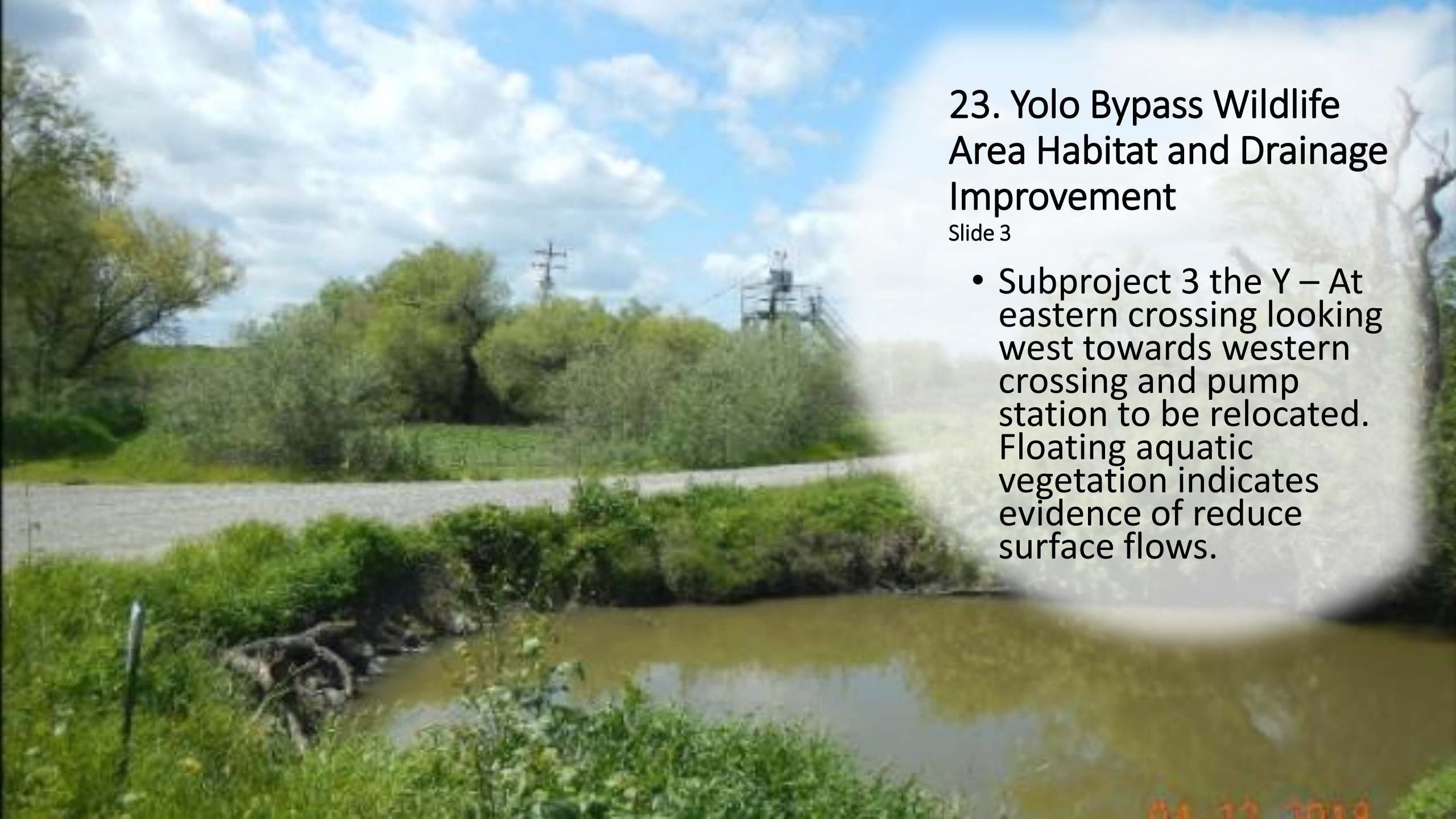




23. Yolo Bypass Wildlife Area Habitat and Drainage Improvement

Slide 2

- The project area is located within the Yolo Bypass and seasonally conveys water from and returns to the Sacramento River

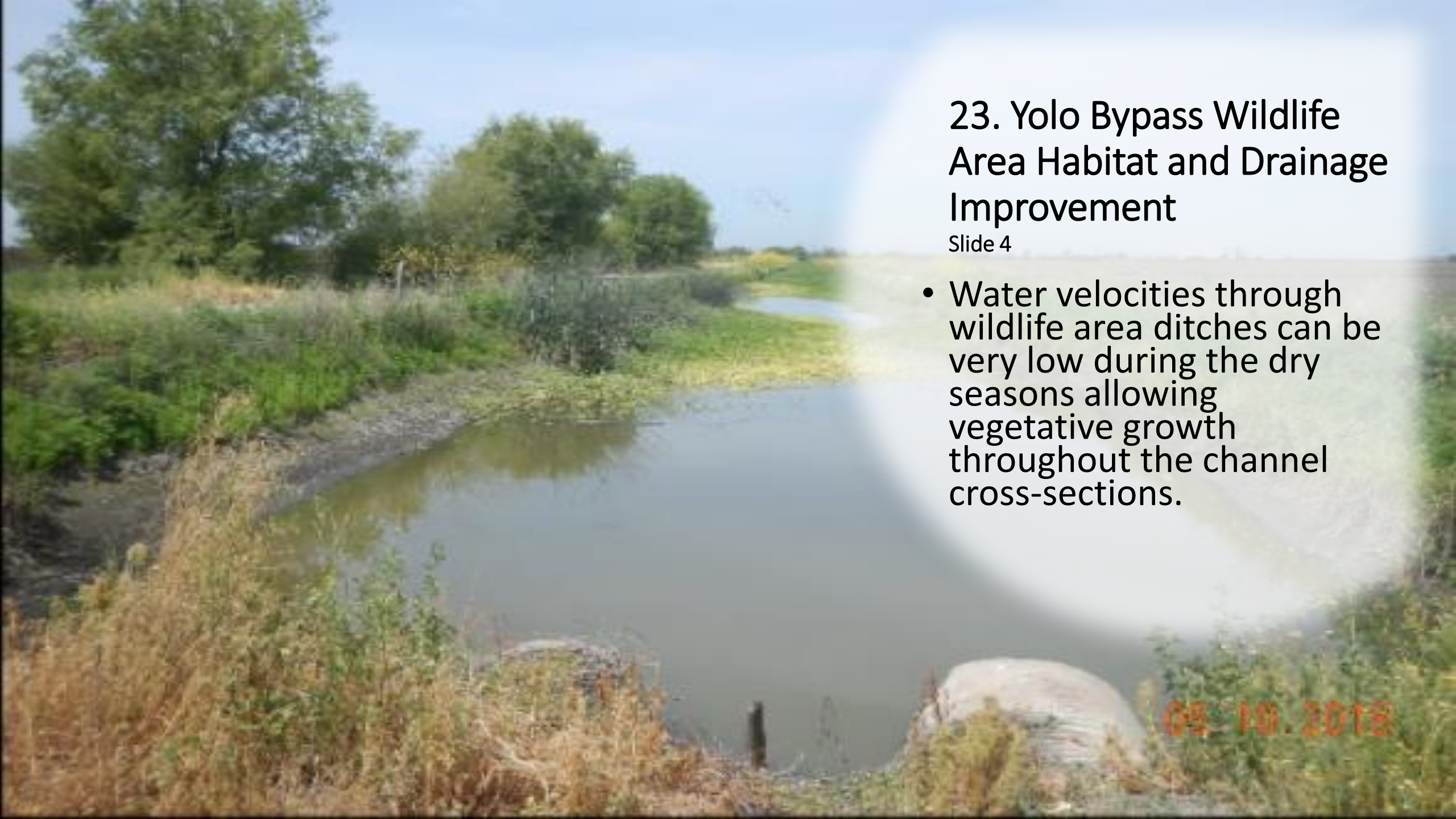
A photograph of a river or canal. In the foreground, there is a concrete wall or dam. Behind the wall, there is a dense line of green trees and bushes. In the background, a large metal structure, likely a pump station, is visible. The sky is blue with white clouds. The water in the canal is brownish and reflects the sky and trees. There is a date stamp in the bottom right corner of the image.

23. Yolo Bypass Wildlife Area Habitat and Drainage Improvement

Slide 3

- Subproject 3 the Y – At eastern crossing looking west towards western crossing and pump station to be relocated. Floating aquatic vegetation indicates evidence of reduce surface flows.

04 12 2019



23. Yolo Bypass Wildlife Area Habitat and Drainage Improvement

Slide 4

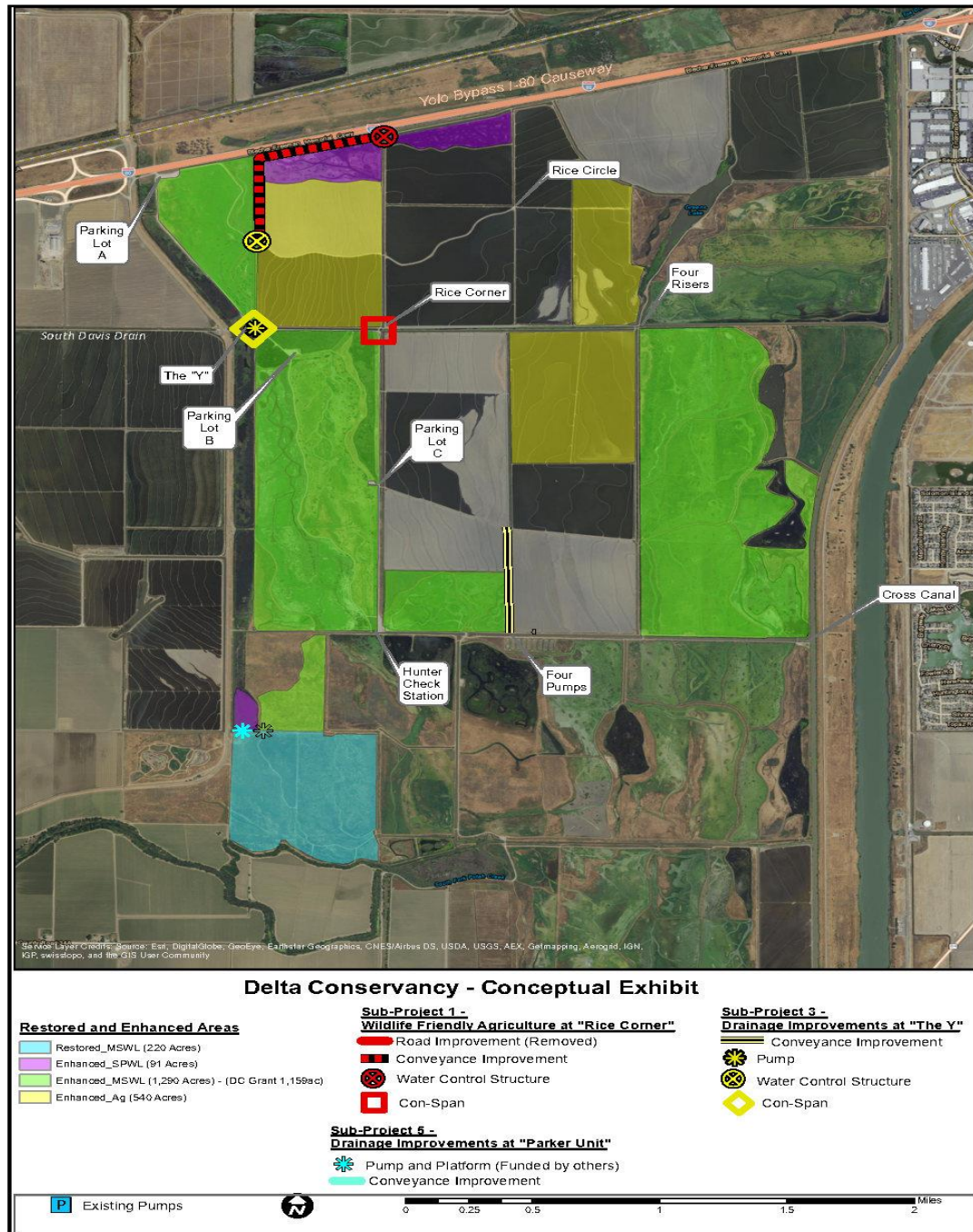
- Water velocities through wildlife area ditches can be very low during the dry seasons allowing vegetative growth throughout the channel cross-sections.

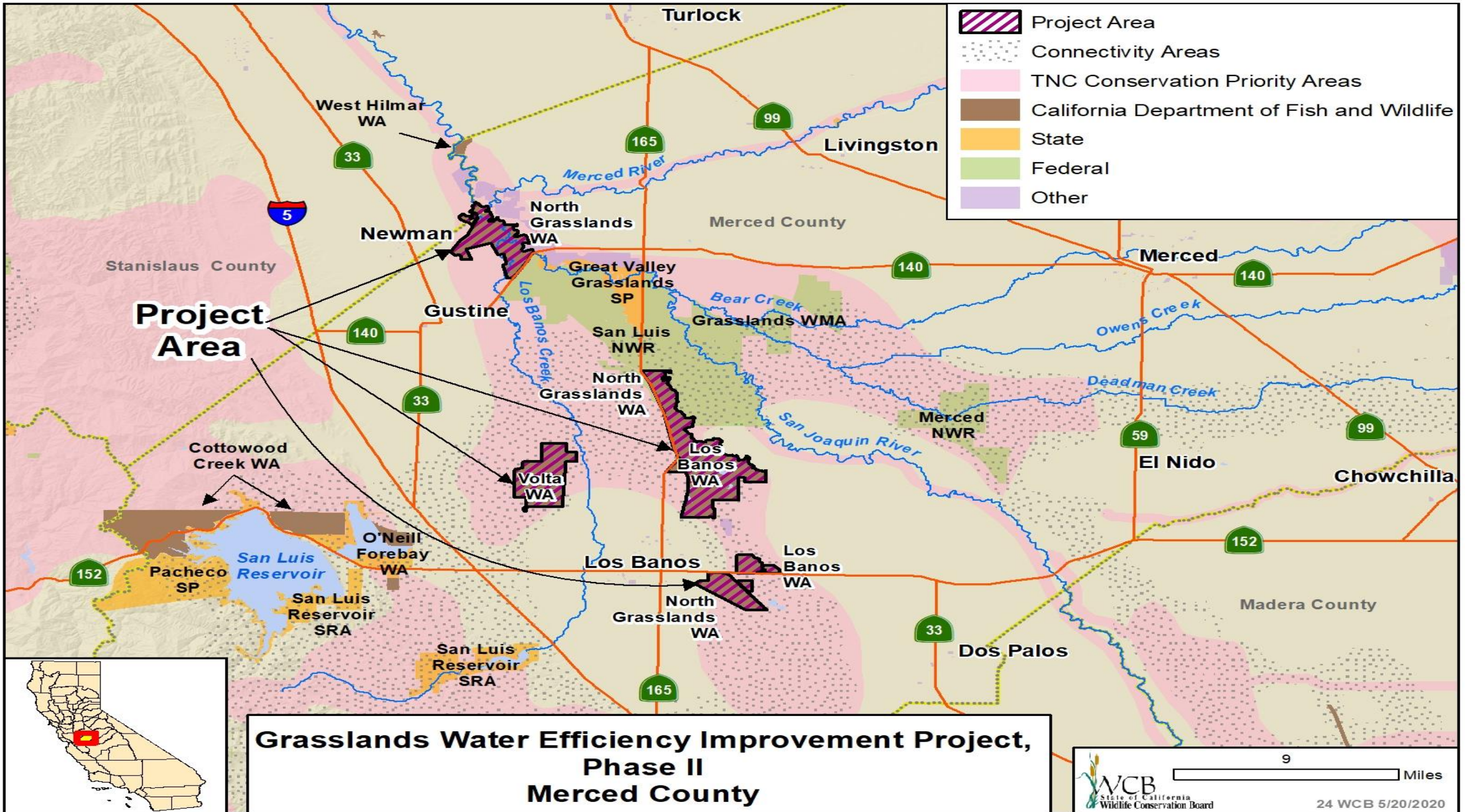
05-10-2018


23. Yolo Bypass Wildlife Area Habitat and Drainage Improvement

Slide 5

- Overview of restoration components








**24. Grasslands Water
Efficiency Improvement
Project, Phase 2**

Slide 1

**Upland Enhancement site at
Los Banos Wildlife Area**

A wide, straight dirt road stretches from the foreground into the distance, flanked by tall, golden-brown grasses. The sky is a clear, pale blue. On the right side of the road, there is a large, semi-transparent white circular highlight that serves as a background for the text.

24. Grasslands Water Efficiency Improvement Project, Phase 2

Slide 2

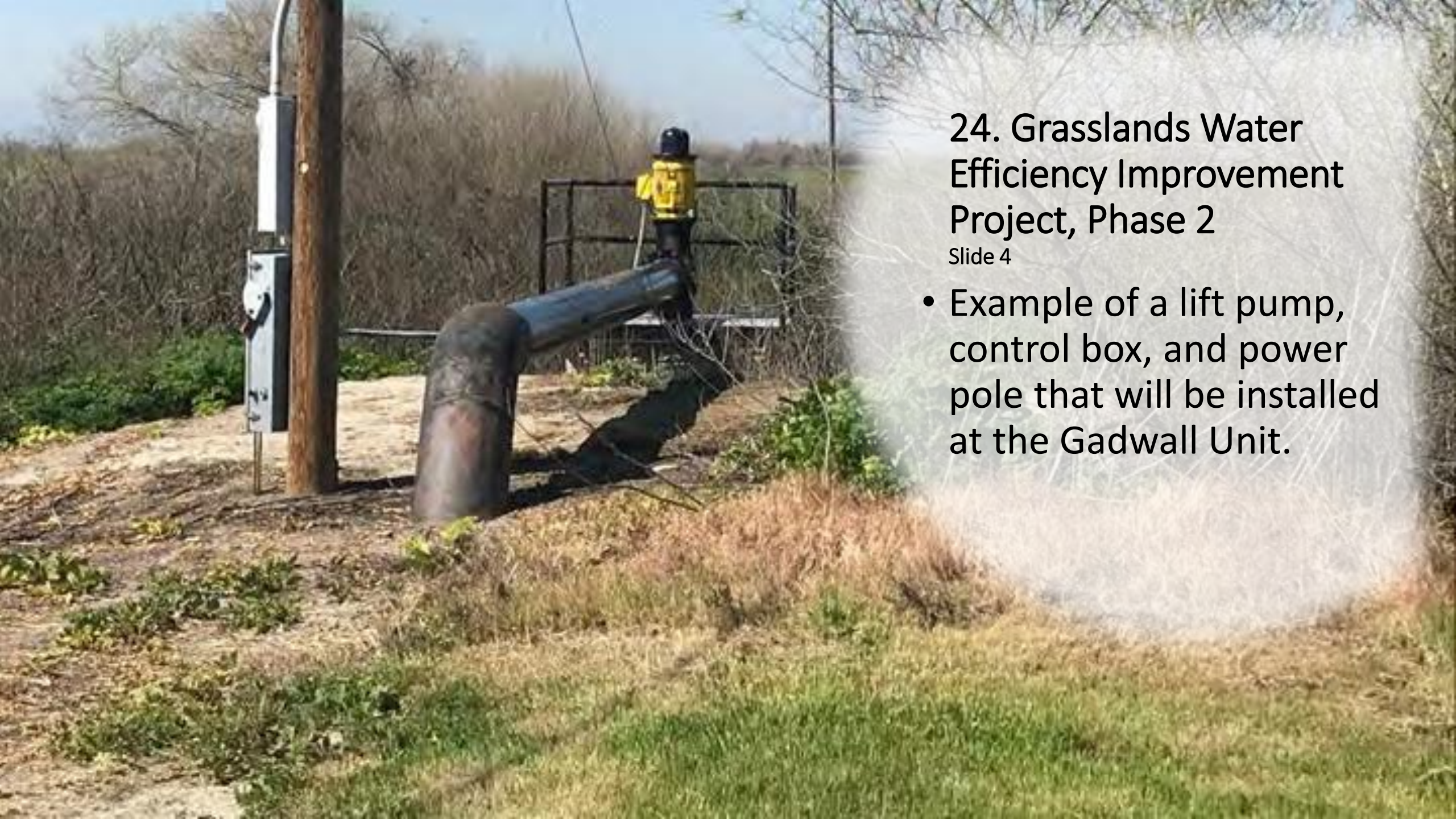
Example of levee refurbishment

24. Grasslands Water Efficiency Improvement Project, Phase 2

Slide 3

- Example of an excavated swale.

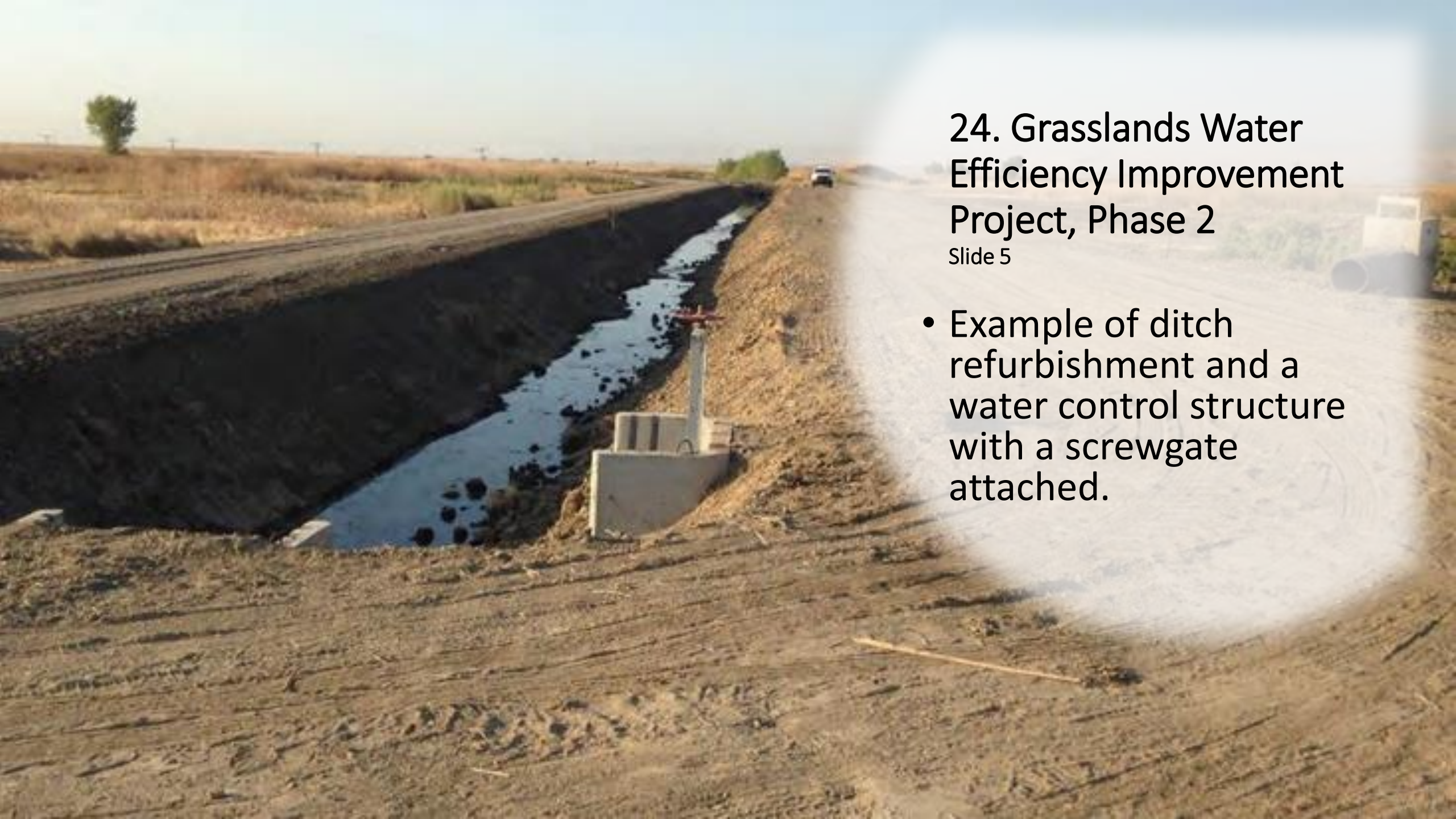




24. Grasslands Water Efficiency Improvement Project, Phase 2

Slide 4

- Example of a lift pump, control box, and power pole that will be installed at the Gadwall Unit.



24. Grasslands Water Efficiency Improvement Project, Phase 2

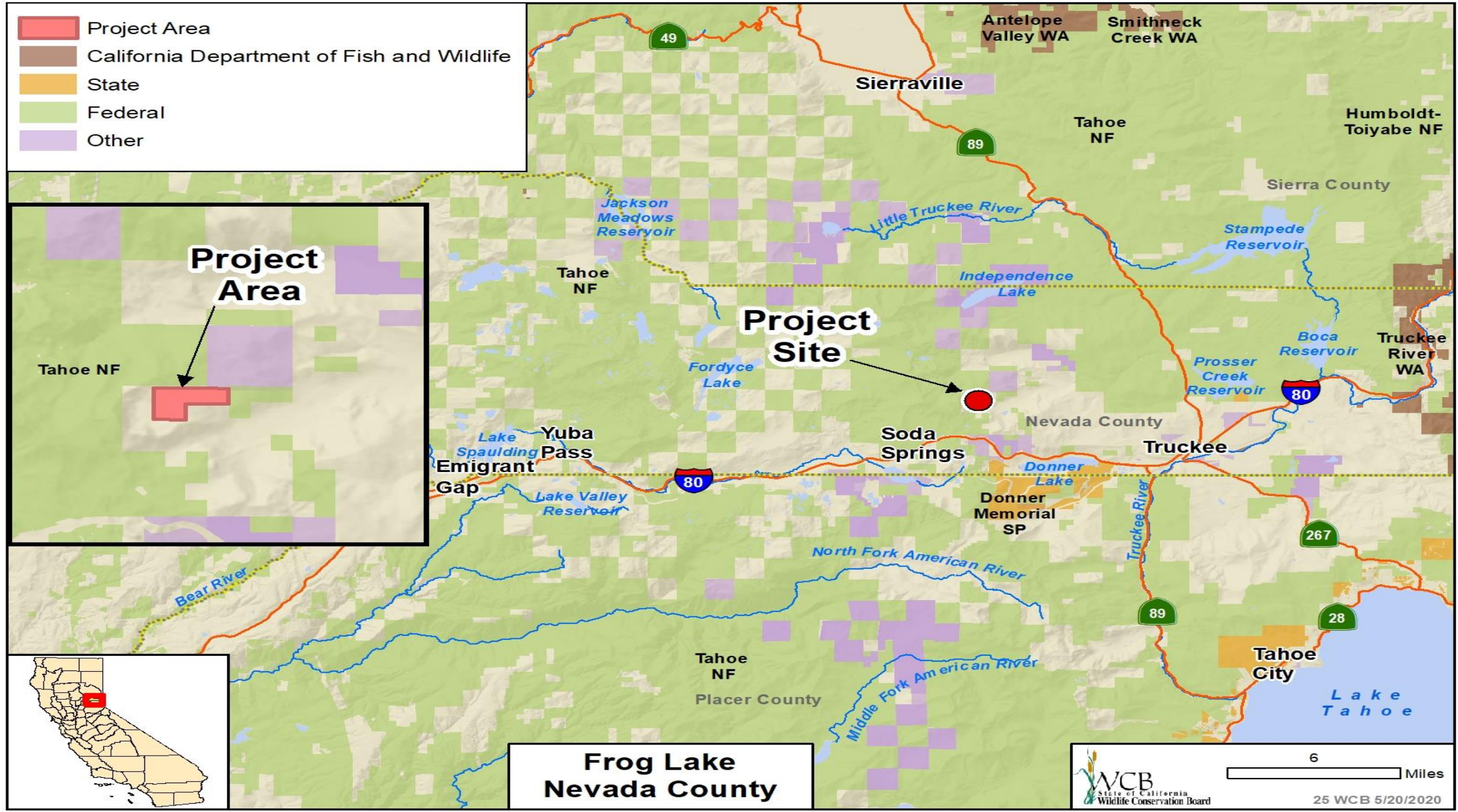
Slide 5

- Example of ditch refurbishment and a water control structure with a screwgate attached.

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

Project Area

Project Area

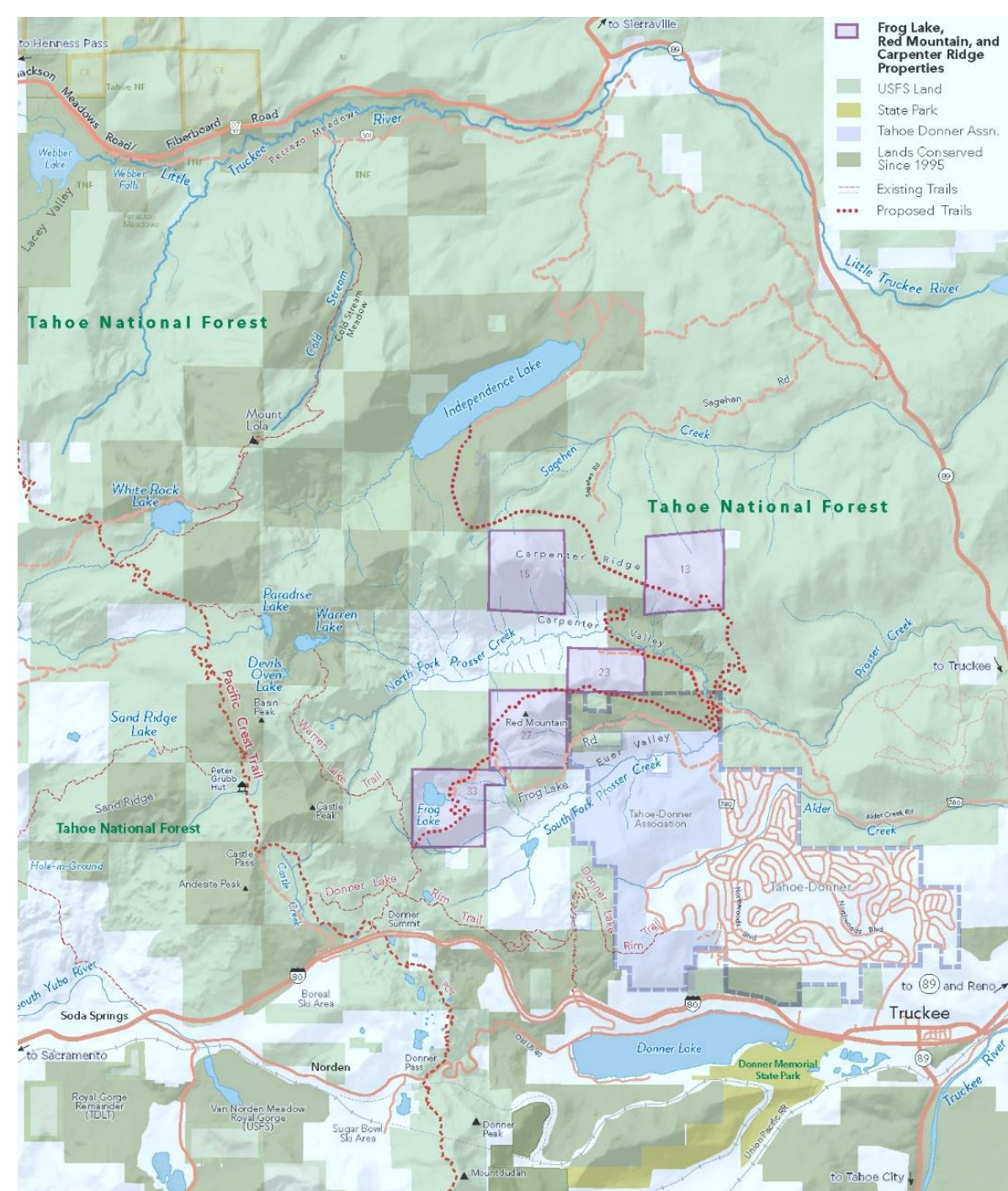


Frog Lake
Nevada County

Wildlife Conservation Board

6 Miles

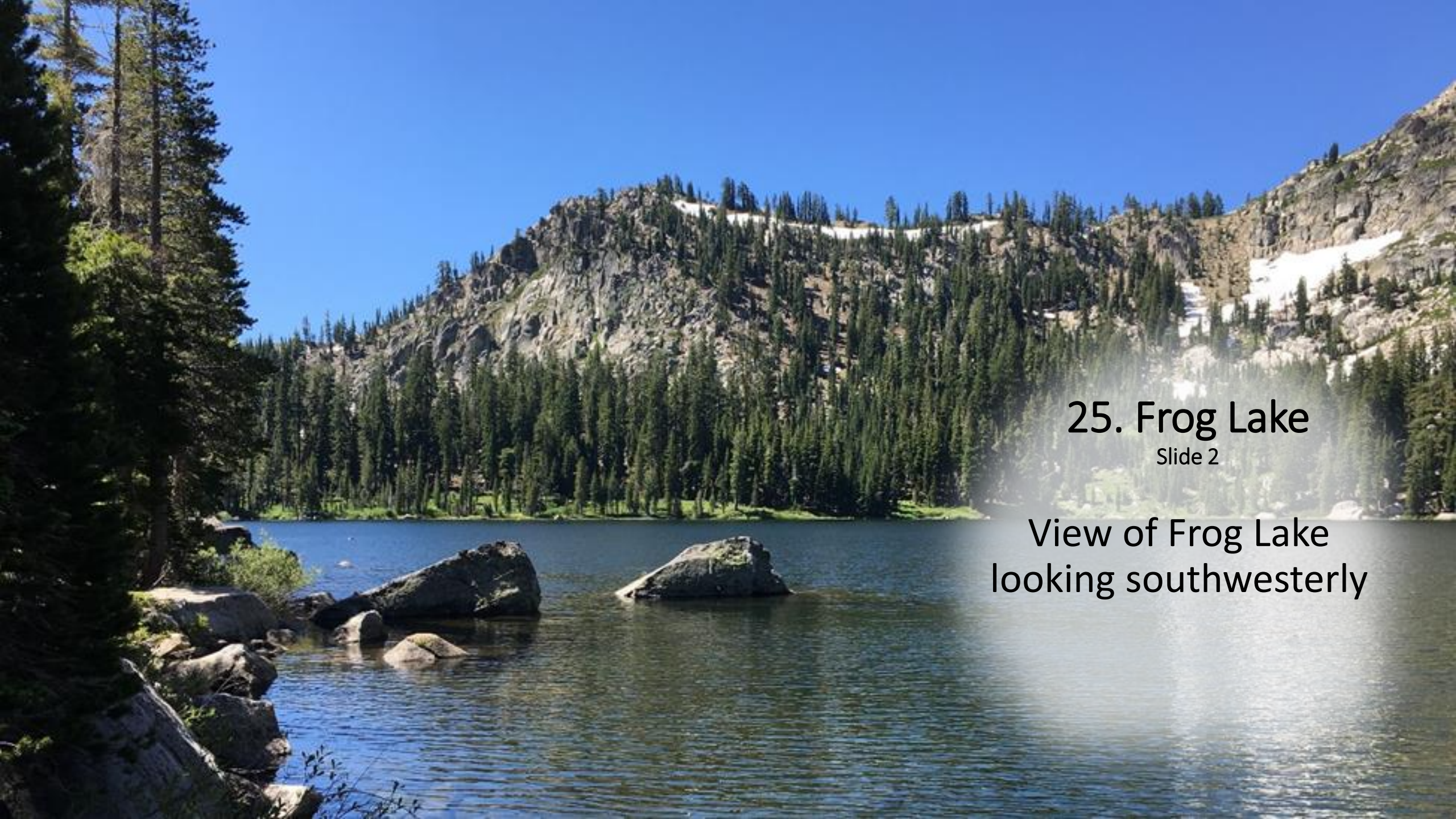
25 WCB 5/20/2020



25. Frog Lake

Slide 1

The Campaign to Conserve Frog Lake, Red Mountain, and Carpenter Ridge



25. Frog Lake

Slide 2

View of Frog Lake
looking southwesterly



25. Frog Lake

Slide 3

View of Frog Lake
and Frog Lake Cliff
looking westerly



25. Frog Lake

Slide 4

Snow covered
Frog Lake

25. Frog Lake

Slide 5

Cabin

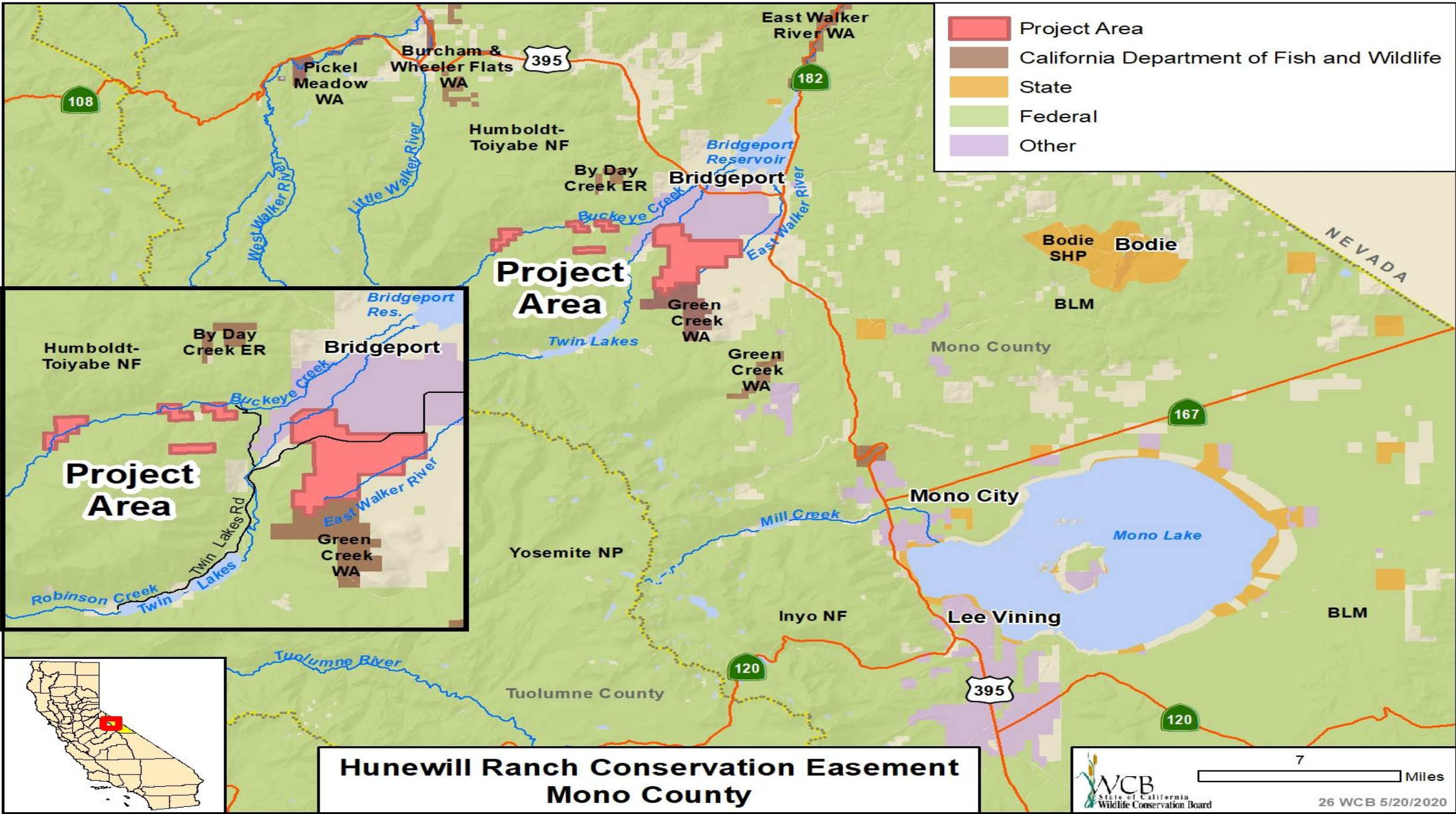




25. Frog Lake

Slide 6

View of Frog Lake
from Frog Lake Cliff



**Hunewill Ranch Conservation Easement
Mono County**

An aerial photograph of a wide, green valley. In the foreground, there's a small stream winding through a grassy area. The middle ground is dominated by a large, flat expanse of green fields, with a long, straight white line (possibly a road or fence) stretching across it. In the background, there are dark, forested mountains under a clear blue sky.

26. Hunewill Ranch Conservation Easement

Slide 1

- Centennial/Dressler Ranch (funded by WCB in 2003) in foreground, Hunewill Ranch in center, Bodie Hills in background. Photo by Susanna Danner



26. Hunewill Ranch Conservation Easement

Slide 2

- Cove near headwaters of East Walker River on Hunewill Ranch. Photo by Sara Kokkelenberg

A photograph of two male sage-grouse in a natural, dry, grassy environment. The bird in the foreground is in full display, with its wings spread wide, showing a mix of brown, white, and blue feathers. Its tail feathers are long and pointed, radiating outwards. The bird's head is turned slightly to the right, showing a yellow patch on its forehead. The background is a blurred, natural landscape with another sage-grouse visible in the distance, also in a similar display posture.

26. Hunewill Ranch Conservation Easement

Slide 3

Two male sage-grouse
displaying to attract females.

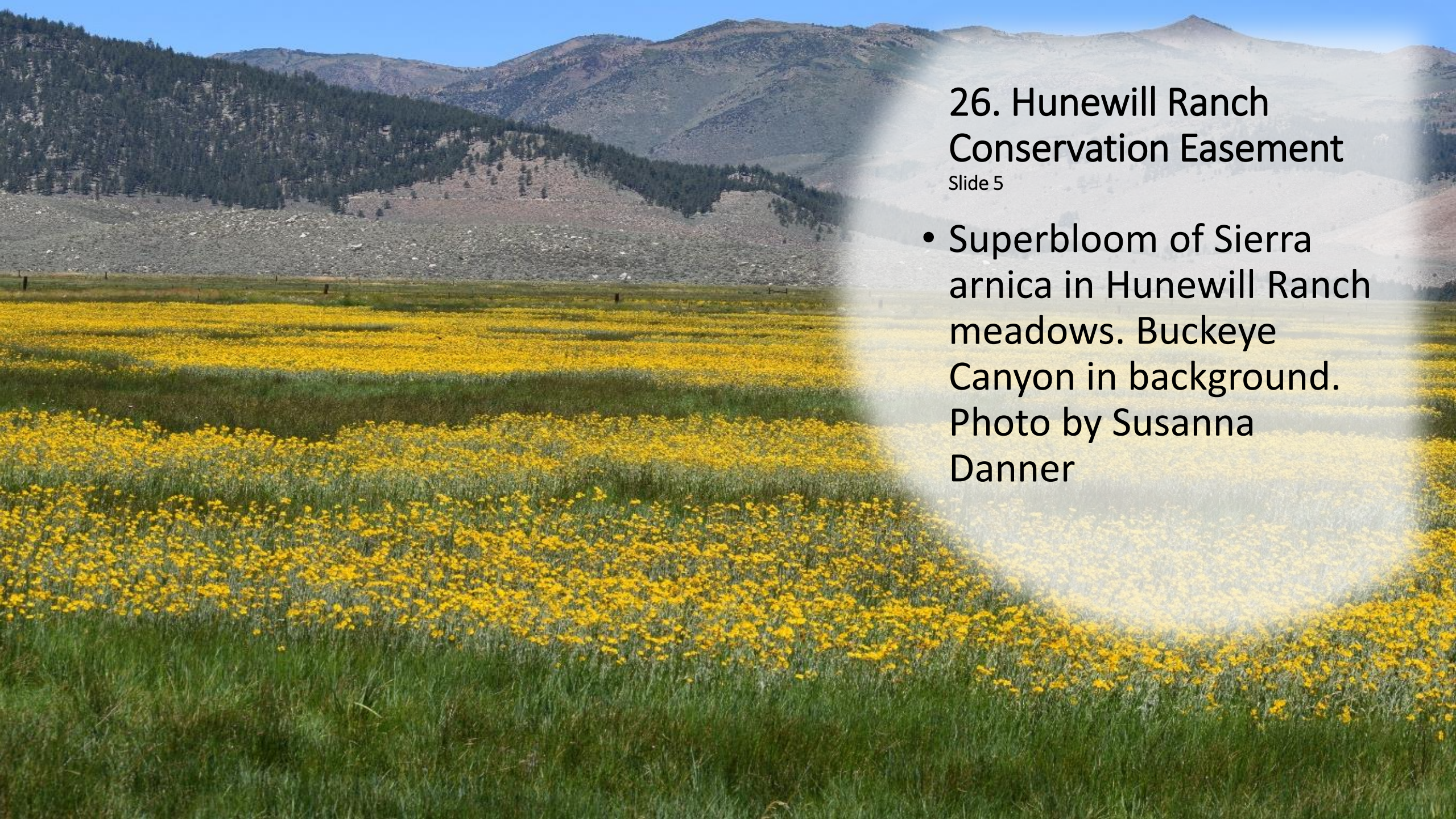
Phot taken by Bob Wick, Bureau of Land
Management

26. Hunewill Ranch Conservation Easement

Slide 4

- Hunewill Ranch farmstead area, with Hunewill Hills moraine and Sawtooths (border of Yosemite National Park) in the background. Photo by Susanna Danner






26. Hunewill Ranch Conservation Easement

Slide 5

- Superbloom of Sierra arnica in Hunewill Ranch meadows. Buckeye Canyon in background. Photo by Susanna Danner

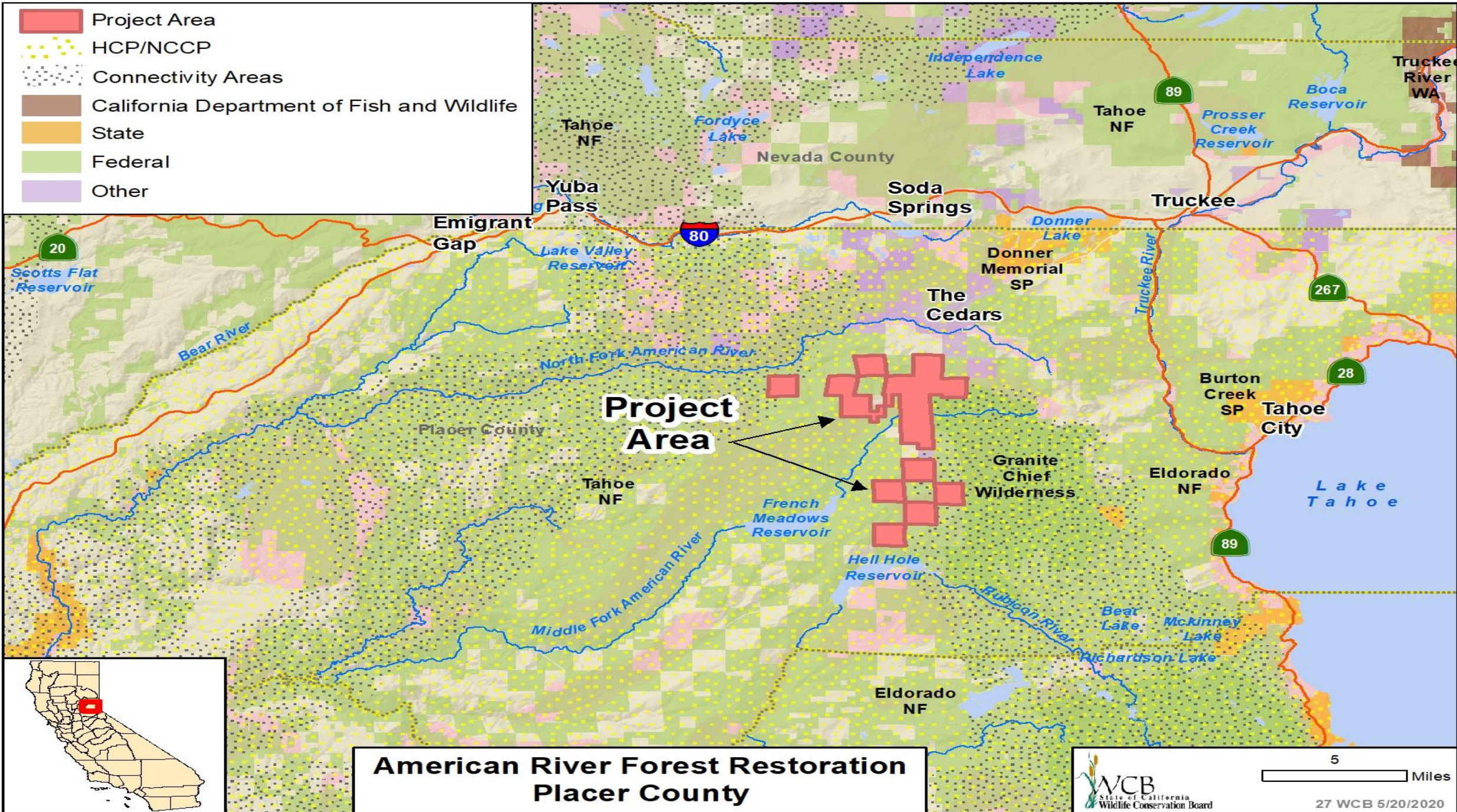


26. Hunewill Ranch Conservation Easement

Slide 6

- Buckeye Canyon on Hunewill Ranch. Buckeye Creek on left in mountain meadow. Photo by Susanna Danner

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



Project Area

**American River Forest Restoration
Placer County**



5 Miles



27. American River Forest Restoration

Slide 1

Dense regrowth presents
a hazardous fire fuels
problem



27. American River Forest Restoration

Slide 2

Thinned forest following
mastication treatment



27. American River Forest Restoration

Slide 3

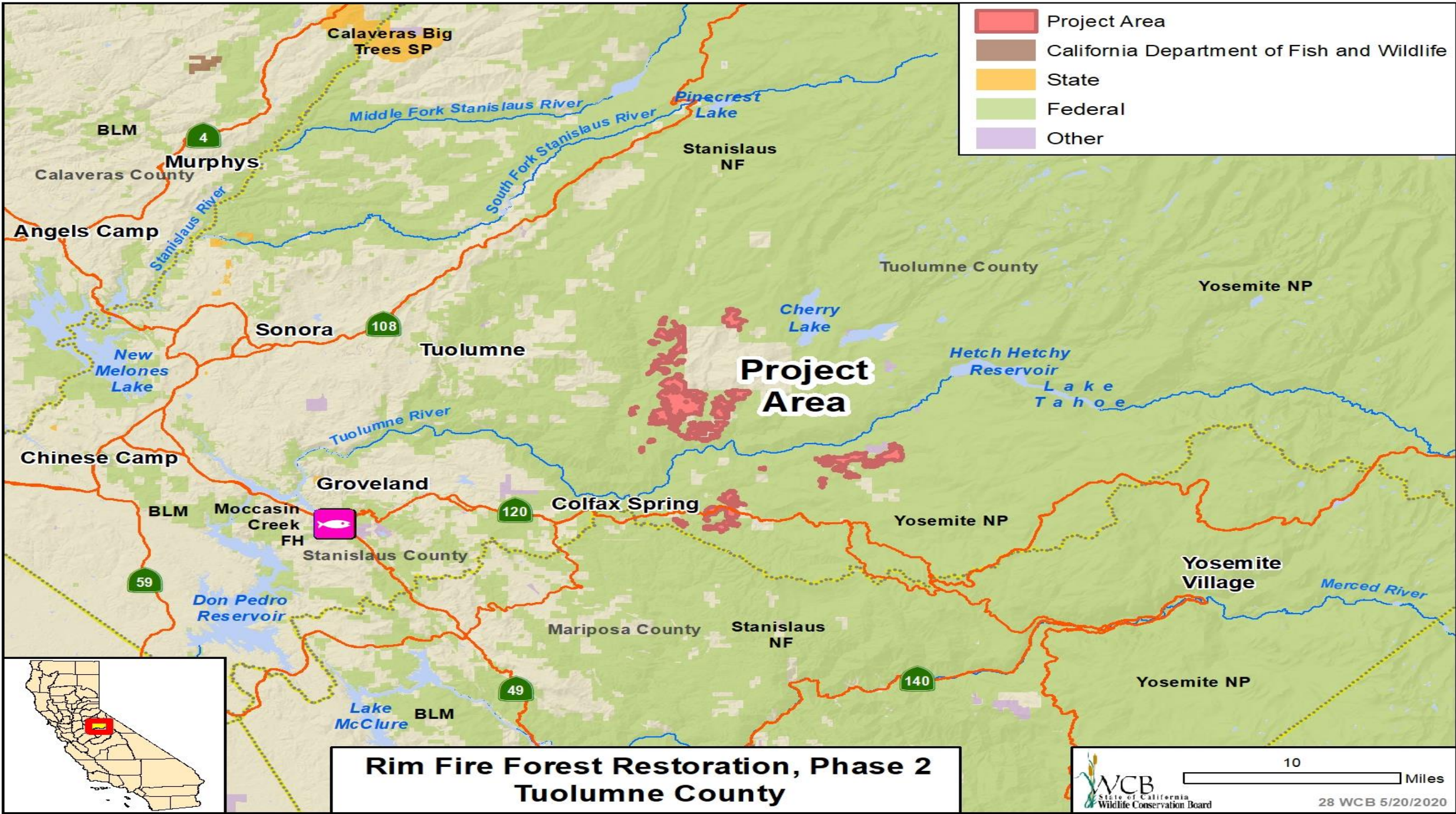
Un-thinned forest on
left compared with
thinned forest on
right



27. American River Forest Restoration


Slide 4

Example of
masticated forest
with regrowth



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


**Rim Fire Forest Restoration, Phase 2
Tuolumne County**



28. Rim Fire Forest Restoration, Phase 2

Slide 1


Standing dead trees post-fire present and overly dense shrub regrowth



28. Rim Fire Forest Restoration, Phase 2

Slide 2

- Dense shrub regrowth and standing dead trees



28. Rim Fire Forest Restoration, Phase 2

Slide 3

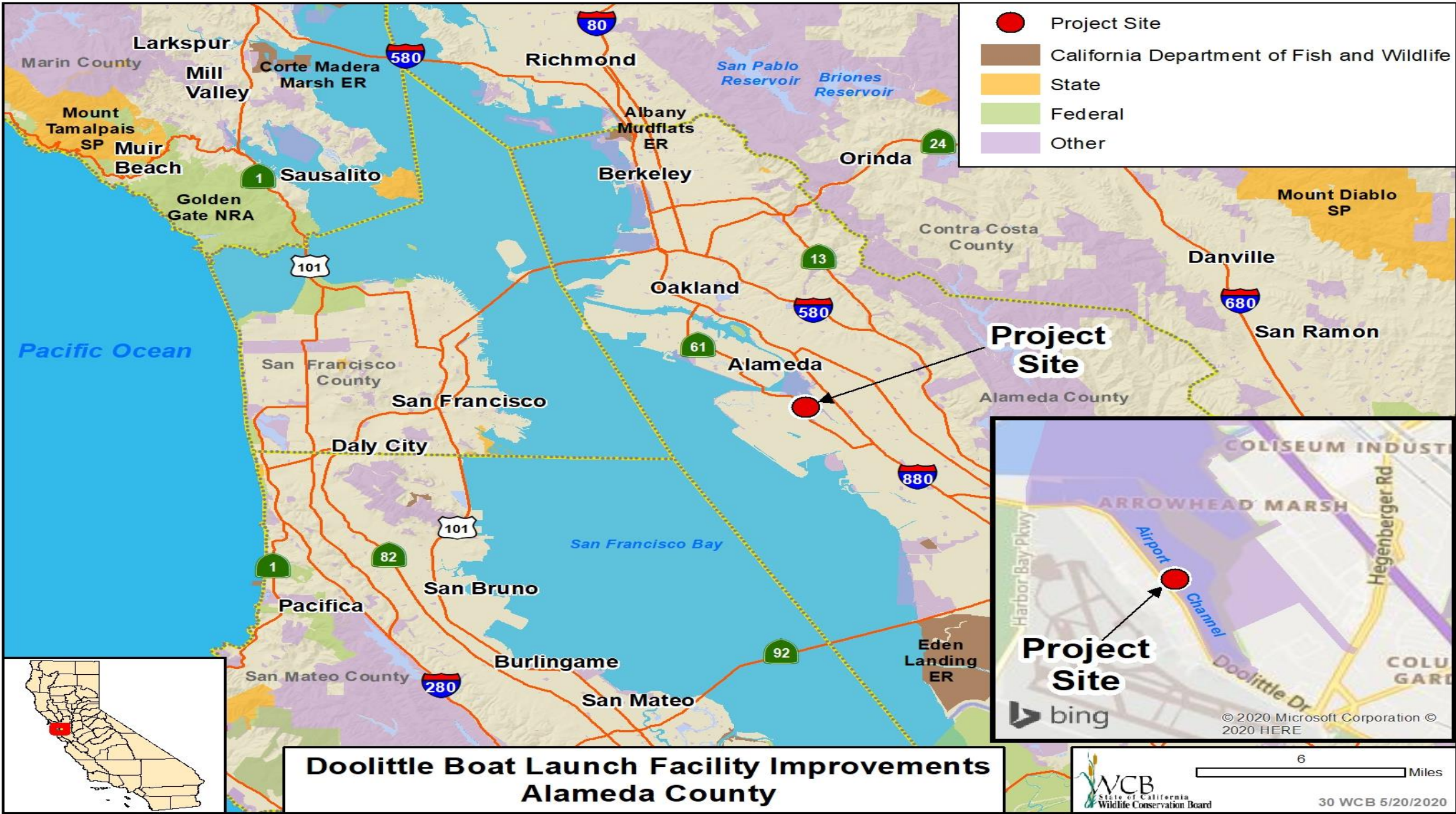
- Remaining trees with spared crowns need fuels reduction.



28. Rim Fire Forest Restoration, Phase 2

Slide 4

- Fuels reduction completed in burned area





29. Doolittle Boat Launch Facility Improvements

Slide 1

Existing boat launch

29. Doolittle Boat Launch Facility Improvements

Slide 2

Aerial view of launch facility

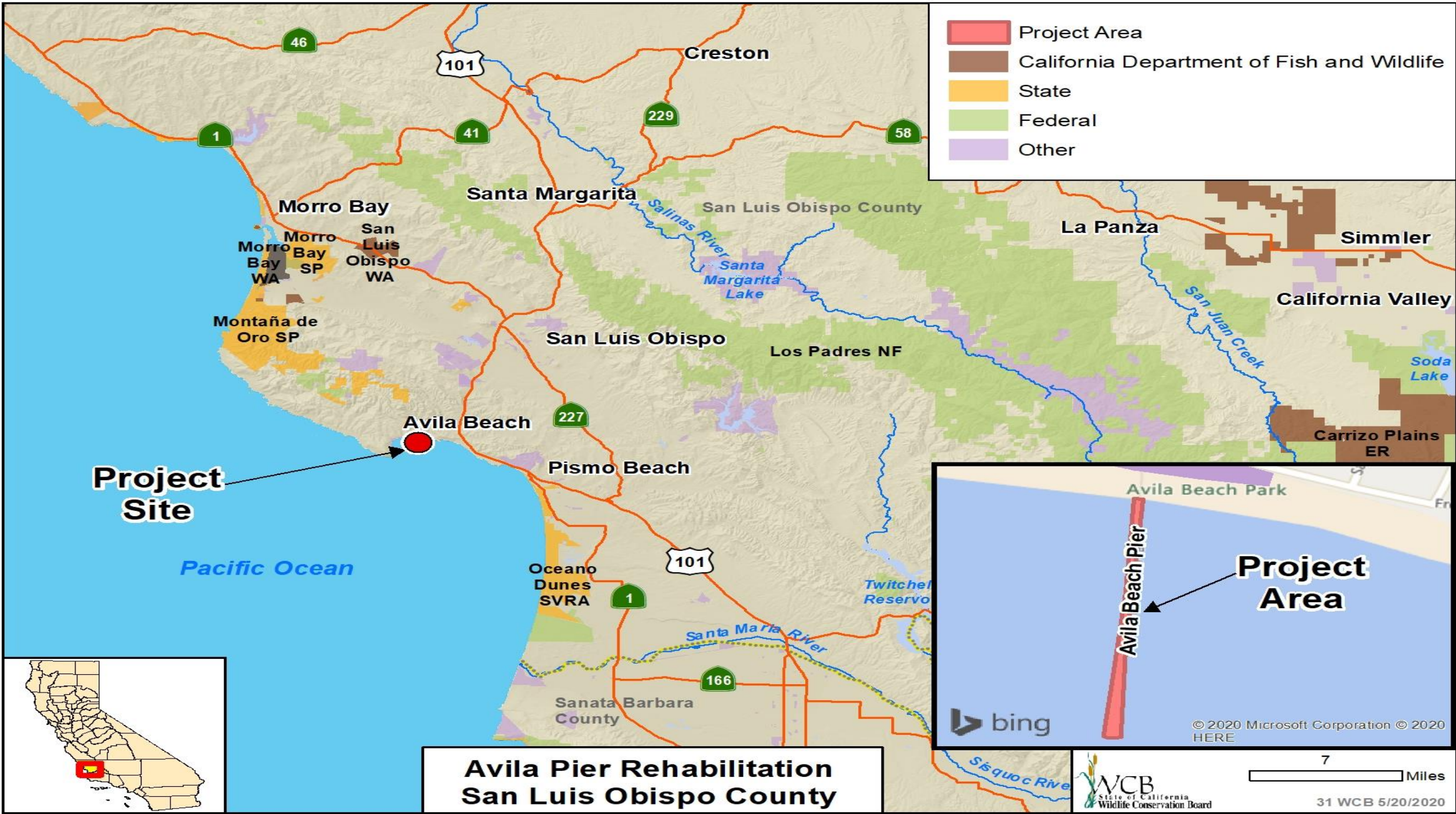




29. Doolittle Boat Launch Facility Improvements

Slide 3

Doolittle boat launch provides access to San Leandro Bay and the San Francisco Bay Water Trail



**Avila Pier Rehabilitation
San Luis Obispo County**

30. Avila Pier Rehabilitation

Slide 1

Avila pier

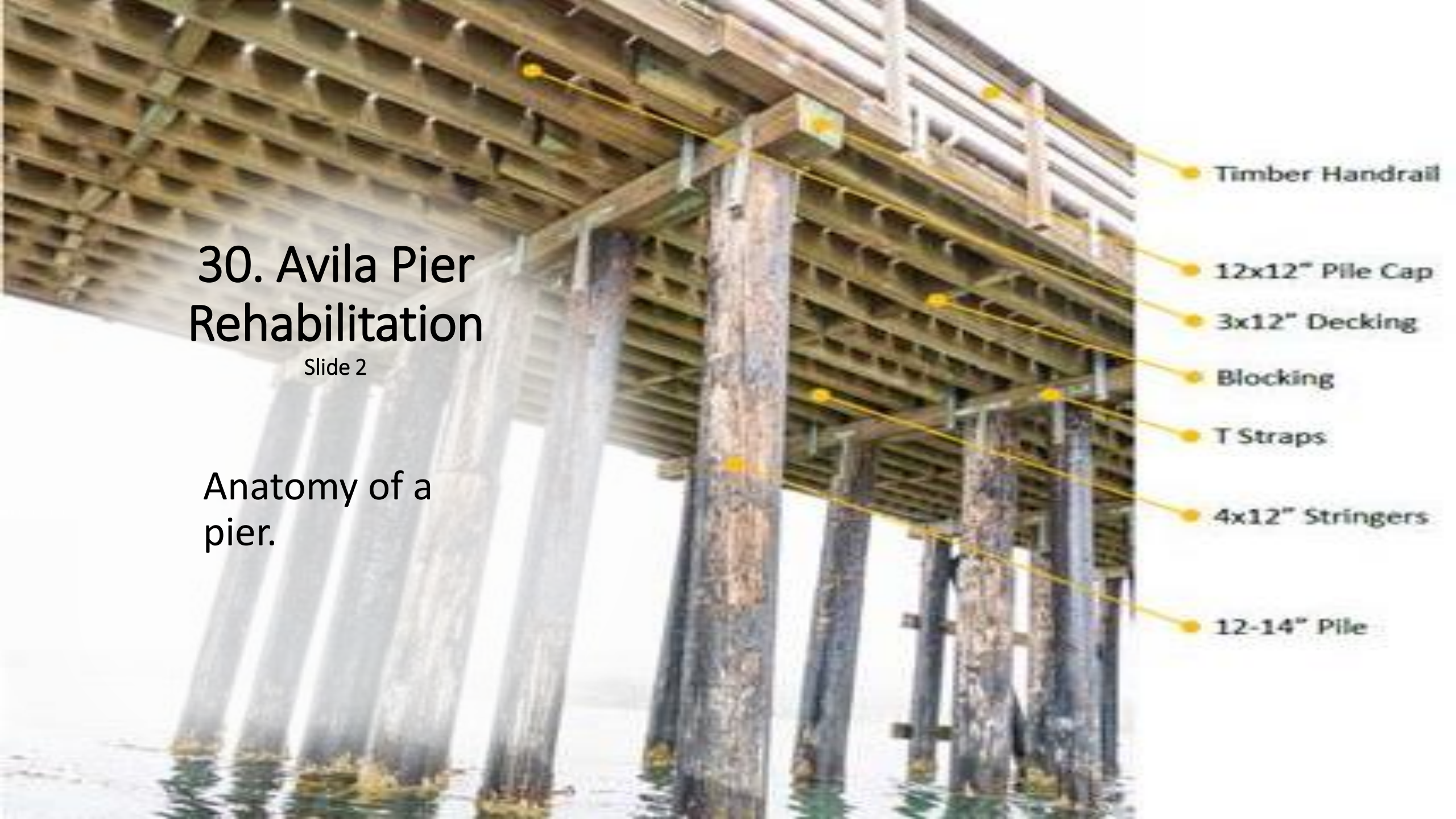


30. Avila Pier Rehabilitation

Slide 2

Anatomy of a pier.

- Timber Handrail
- 12x12" Pile Cap
- 3x12" Decking
- Blocking
- T Straps
- 4x12" Stringers
- 12-14" Pile





30. Avila Pier Rehabilitation

Slide 3

Deck before repair on left and deck after repair on right



30. Avila Pier Rehabilitation

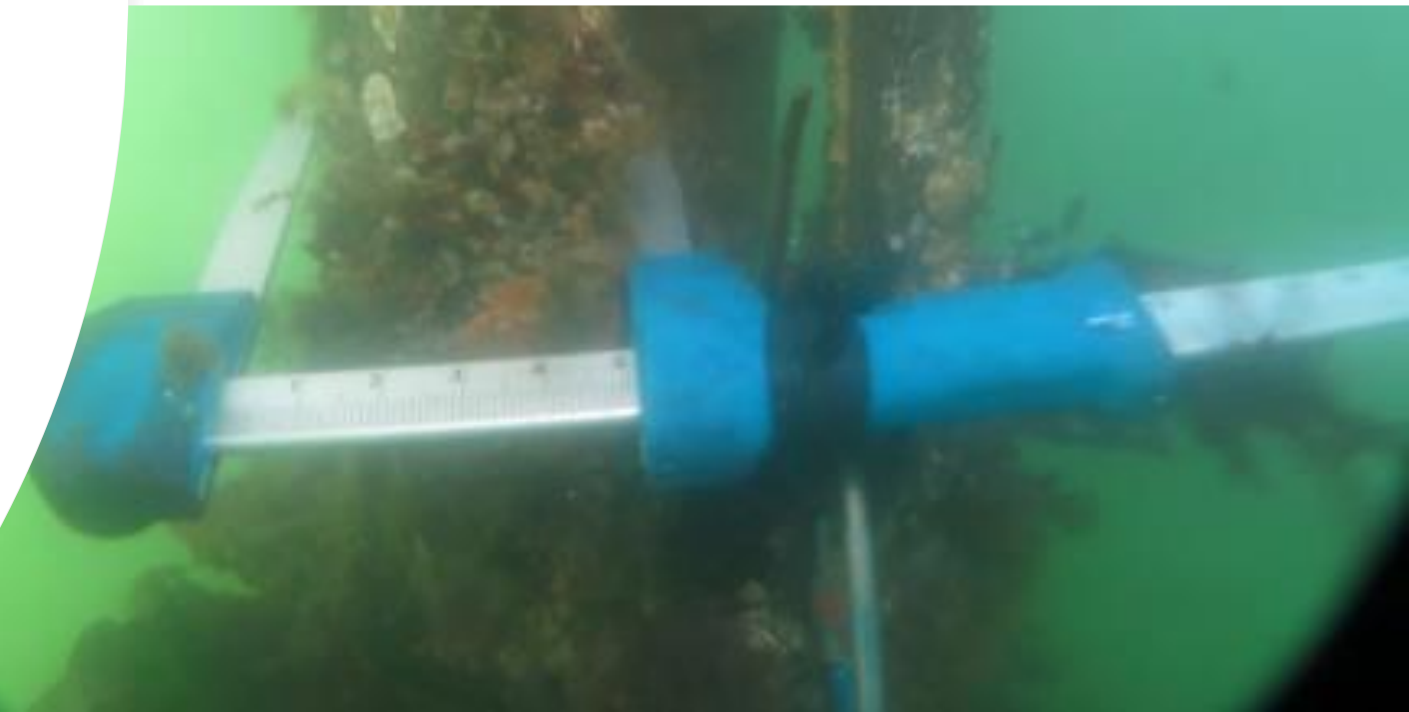
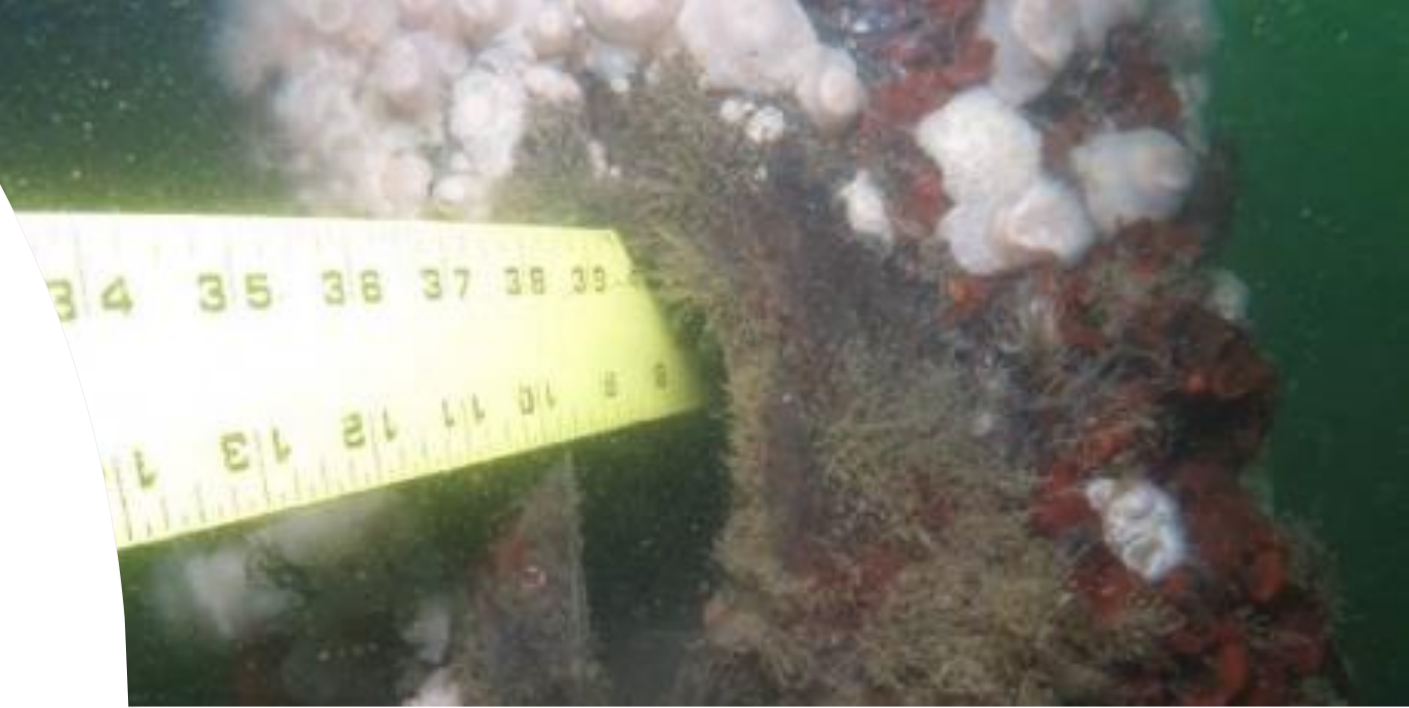
Slide 4

Cracked stringers

30. Avila Pier Rehabilitation

Slide 5

Damaged pilings that are under water





30. Avila Pier Rehabilitation

Slide 6

Repair and/or replace piles

Repair upper pier
components

Install ADA corridor

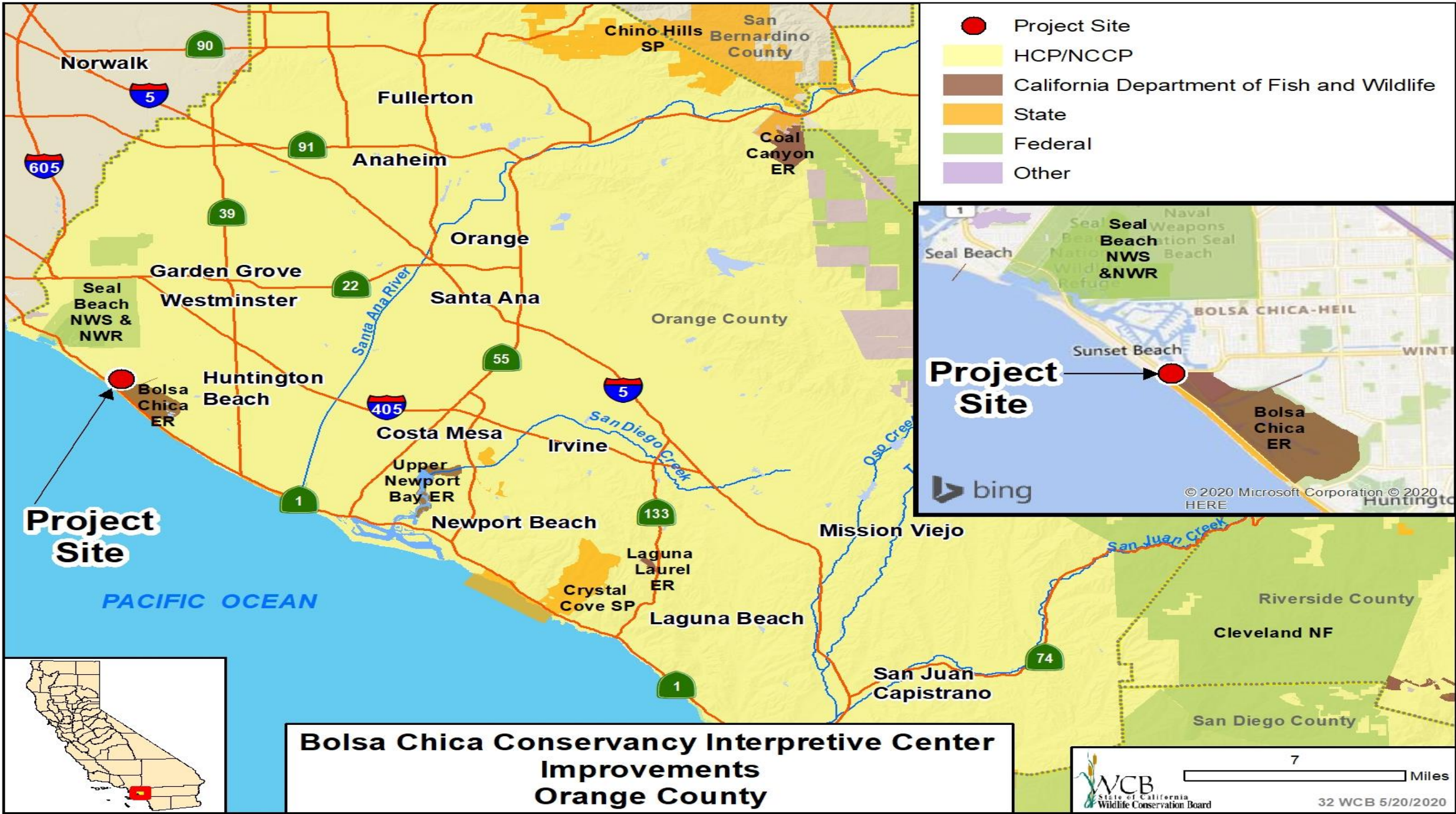




30. Avila Pier Rehabilitation

Slide 7

2015 Whale watching from the pier



**Bolsa Chica Conservancy Interpretive Center
Improvements
Orange County**



31. Bolsa Chica Conservancy Interpretive Center Improvements

Slide 1

Bolsa Chica Interpretive Center



31. Bolsa Chica Conservancy Interpretive Center Improvements

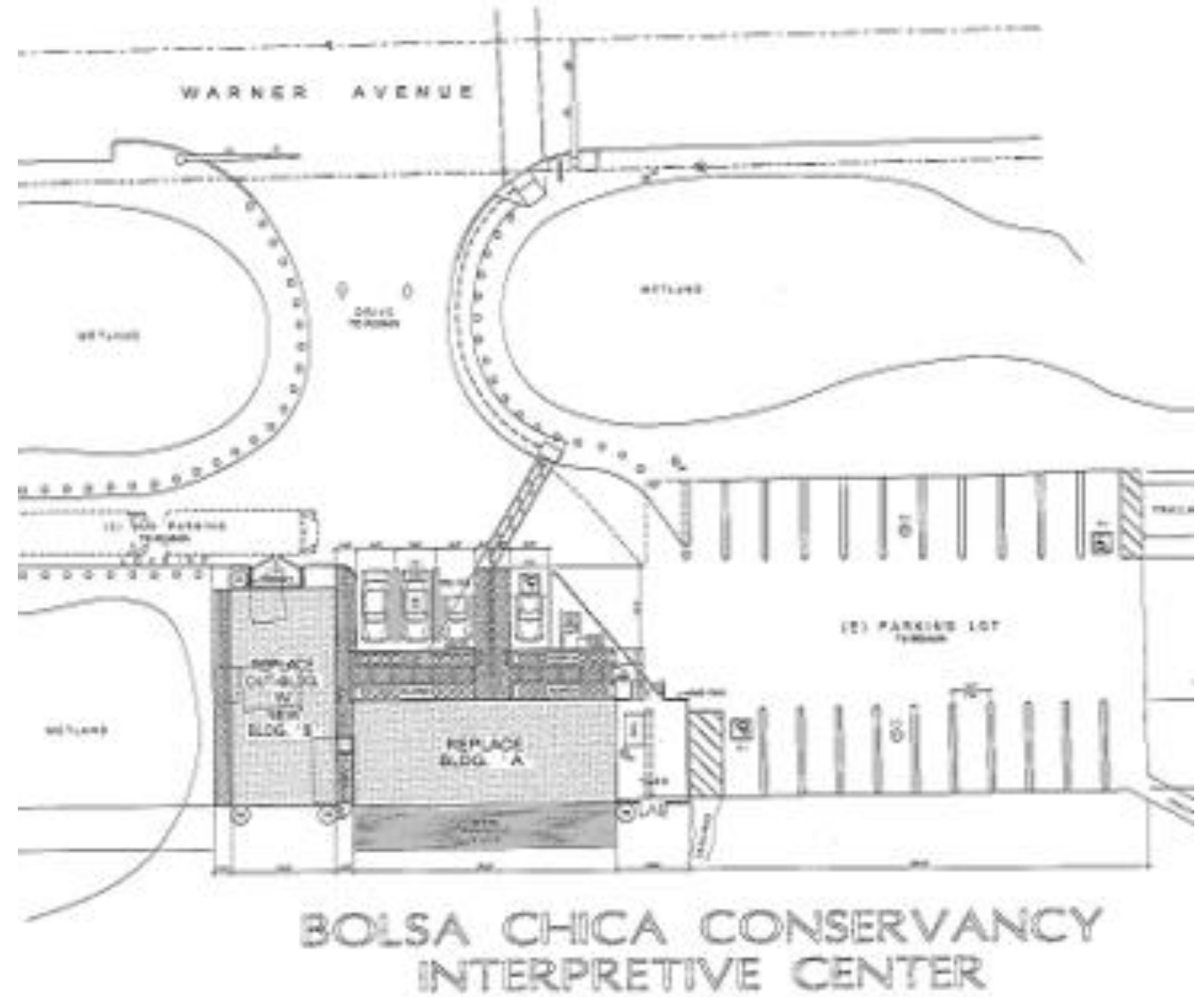
Slide 2

Bolsa Chica Interpretive Center

31. Bolsa Chica Conservancy Interpretive Center Improvements

Slide 3

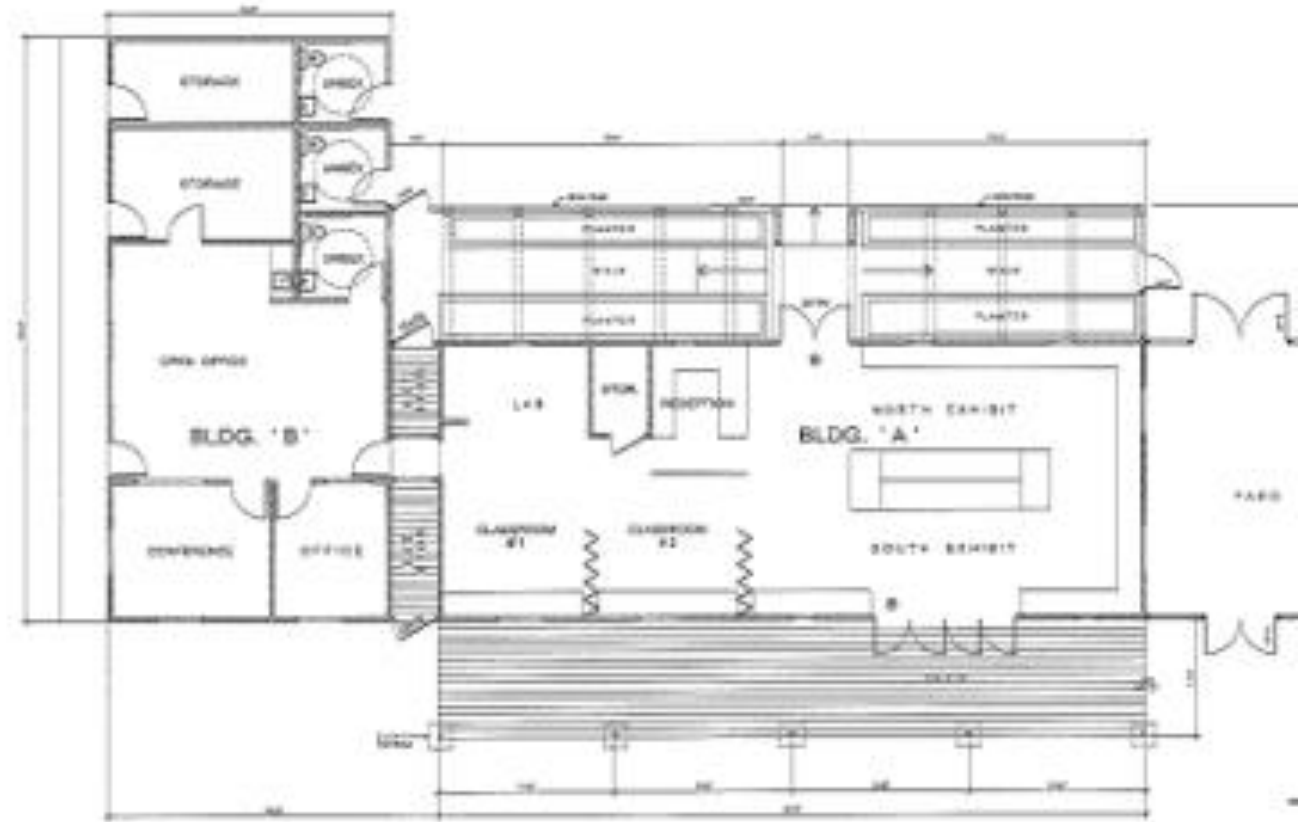
- Bolsa Chica
Interpretive Center



31. Bolsa Chica Conservancy Interpretive Center Improvements

Slide 4

- Bolsa Chica
Interpretive Center

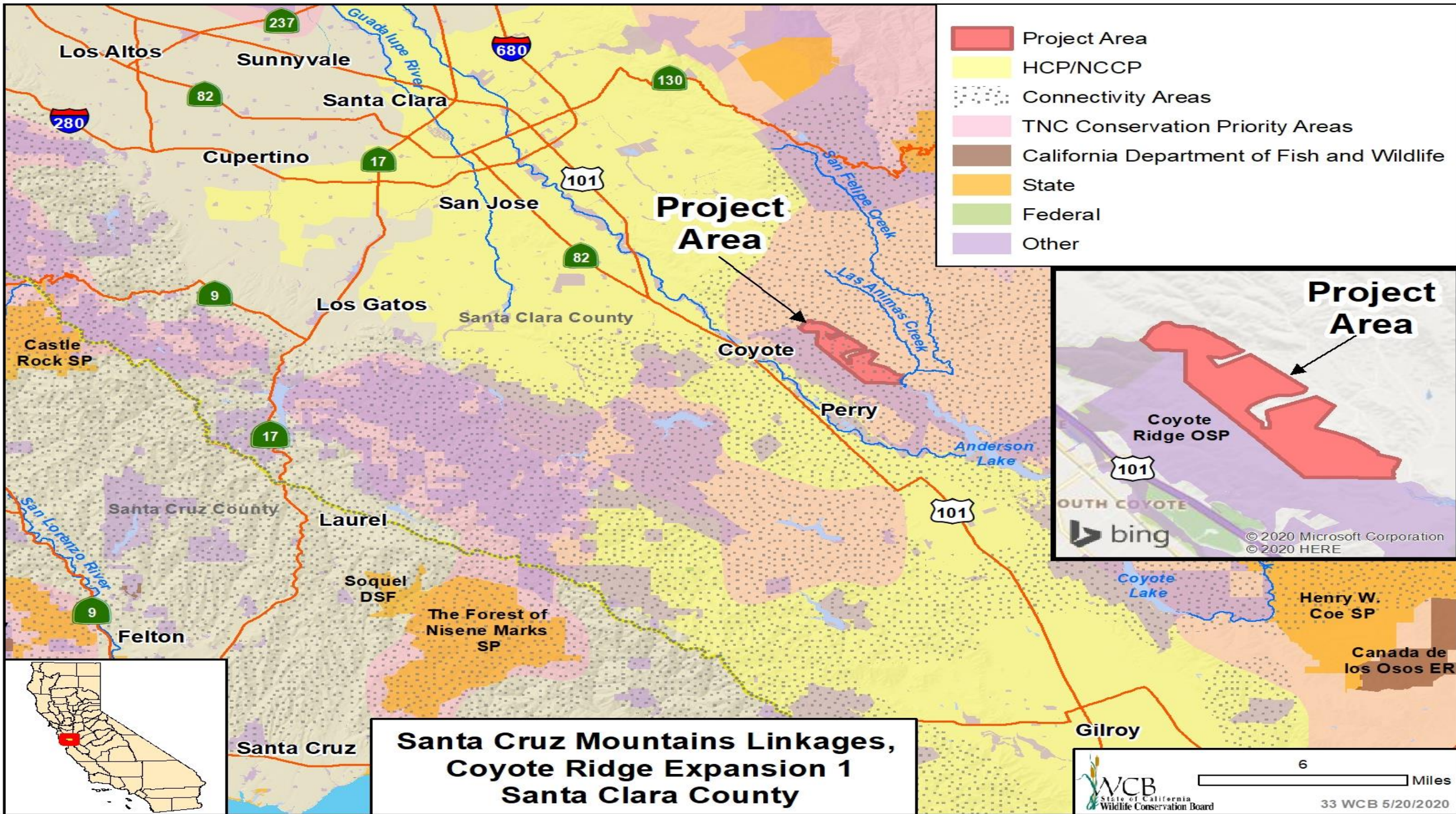




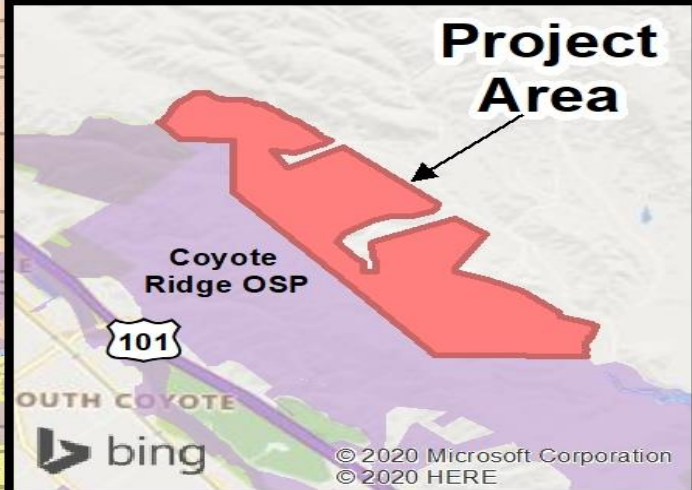
31. Bolsa Chica Conservancy Interpretive Center Improvements

Slide 5

- Sunset at the Bolsa Chica Interpretive Center



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



**Santa Cruz Mountains Linkages,
Coyote Ridge Expansion 1
Santa Clara County**



32. Santa Cruz Mountains
Linkages, Coyote Ridge,
Expansion 1

Slide 1

View to south



**32. Santa Cruz Mountains
Linkages, Coyote Ridge,
Expansion 1**

Slide 2

View to northeast to Mt.
Hamilton and Lick
Observation



32. Santa Cruz Mountains
Linkages, Coyote Ridge,
Expansion 1

Slide 3

Typical view of oak
woodlands and
grasslands



32. Santa Cruz Mountains
Linkages, Coyote Ridge,
Expansion 1

Slide 4

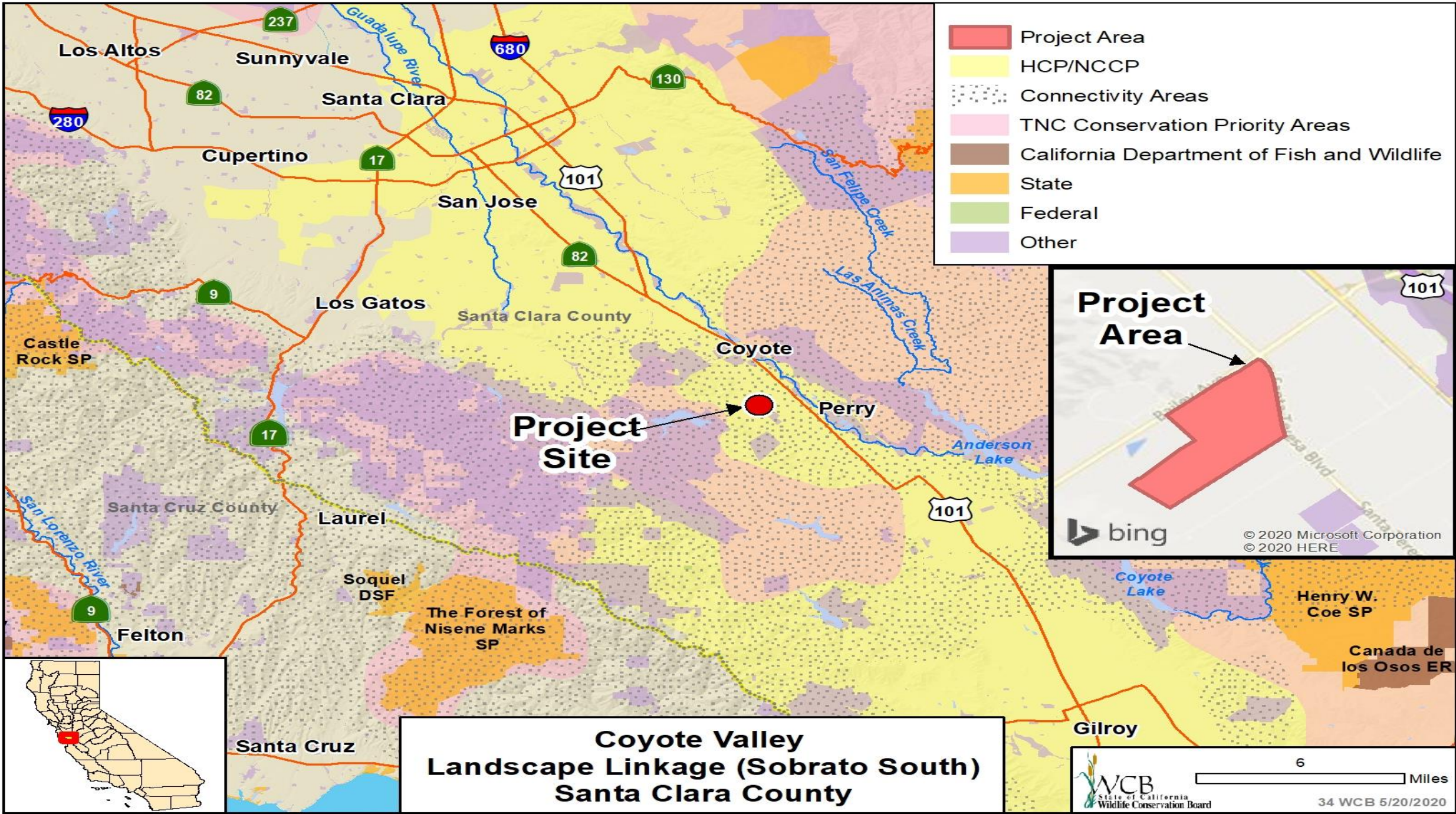
Typical view of creek
corridor



**32. Santa Cruz
Mountains Linkages,
Coyote Ridge,
Expansion 1**

Slide 5


View to south of
western property line
bordering original
acquisition



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



**Coyote Valley
Landscape Linkage (Sobrato South)
Santa Clara County**



33. Coyote Valley Landscape Linkage (Sobrato South)

Slide 1


Wetlands found on
the Coyote Valley
Sobrato South
Property



33. Coyote Valley Landscape Linkage (Sobrato South)

Slide 2

- View overlooking
Coyote Valley
Sobrato South
Property



33. Coyote Valley Landscape Linkage (Sobrato South)

Slide 3

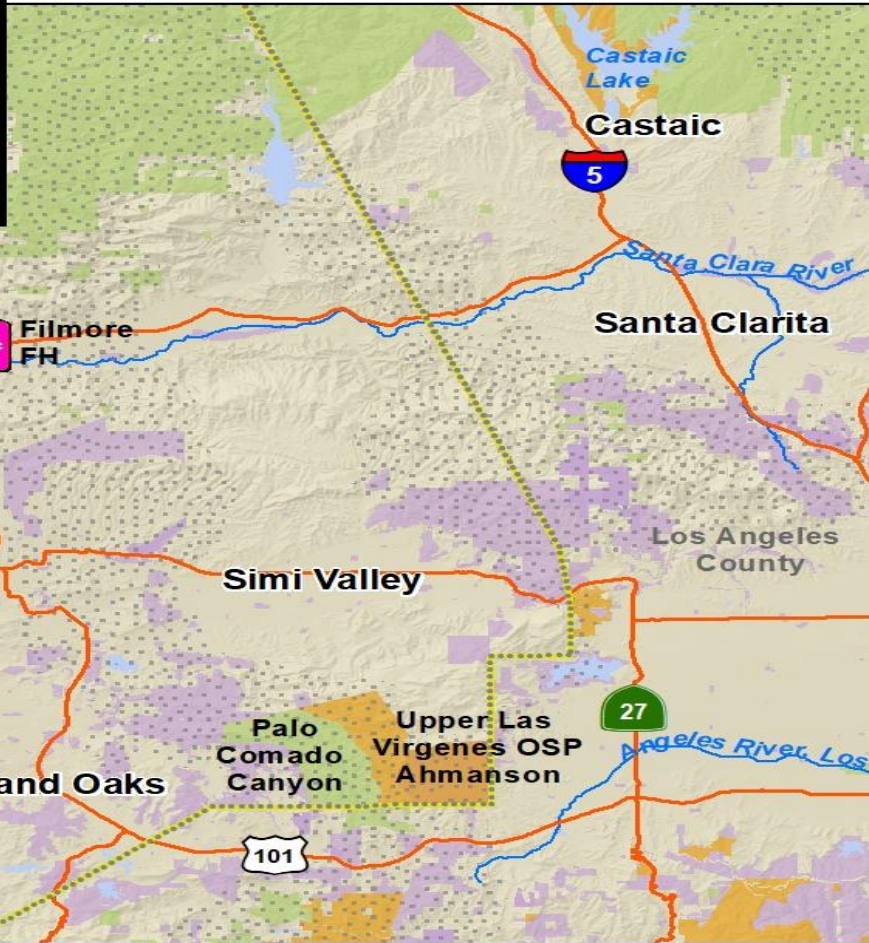
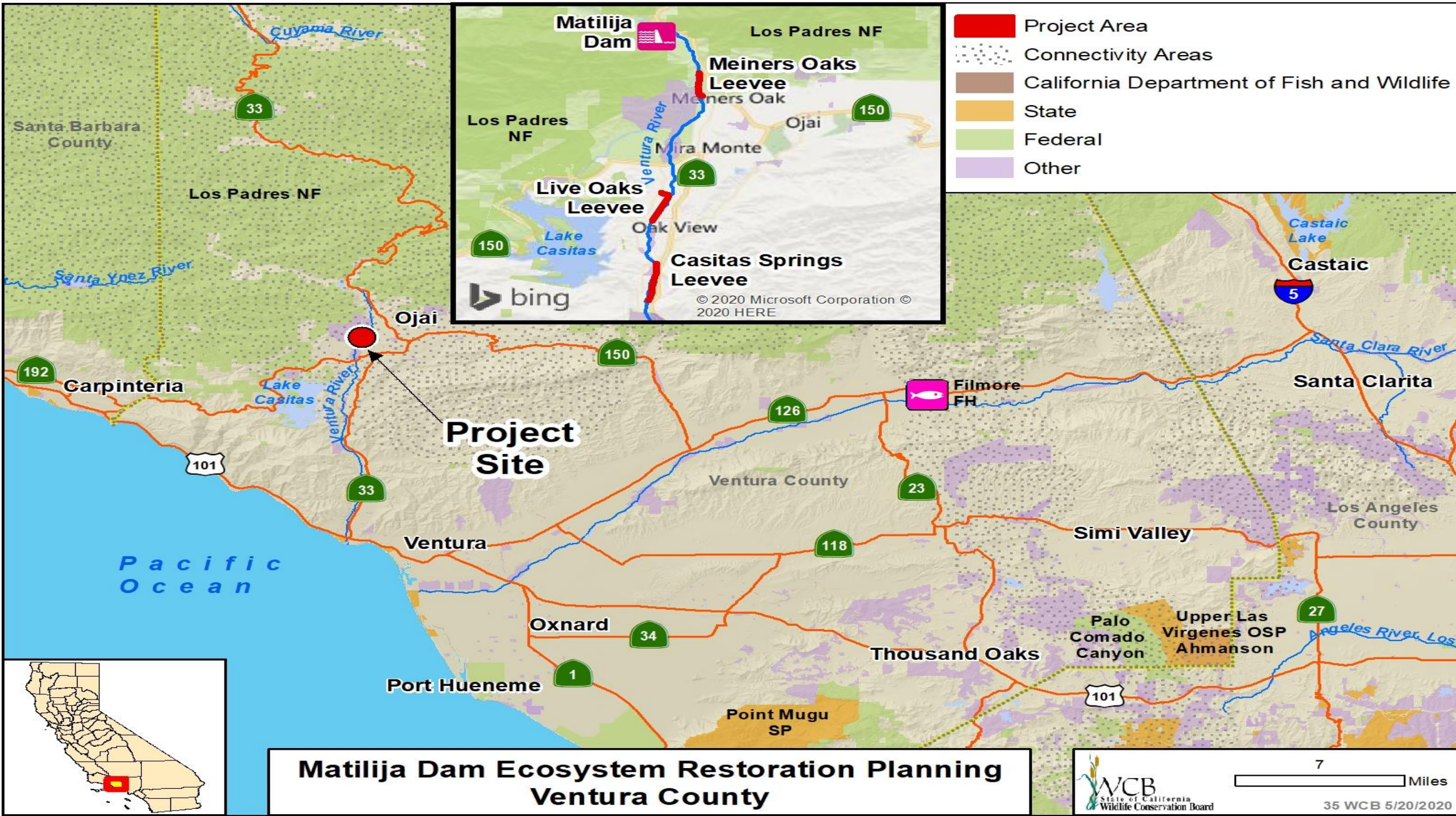
- Typical Grasslands found on the Sobrato South Property

A photograph of a lush green landscape. In the foreground, there are several large, dark tree trunks and branches, some of which are bare and intricate. The middle ground features a stream or small pond with water reflecting the sky and surrounding greenery. The background is filled with dense, vibrant green trees and bushes, creating a sense of a deep, wooded area. The overall scene is bright and natural, with sunlight filtering through the leaves.

33. Coyote Valley Landscape Linkage (Sobrato South)

Slide 4

- In and increasingly urban southern bay area, the Coyote Valley is an important wildlife corridor and recreational area.



34. Matilija Dam Ecosystem Restoration Planning

Slide 1

- Constructed in 1947
- Volume of 7,000 acre-feet
- Intended for water supply, flood protection and recreational use
- Blocks access to some the best steelhead spawning habitat in the watershed



34. Matilija Dam Ecosystem Restoration Planning

Slide 2

- Deprives Ventura County beaches of much needed sand and cobbles
- Lost approximately 98 percent of its original storage capacity
- Less than 150 acre-feet remaining
- Concrete is deteriorating from alkali-silica reaction



34. Matilija Dam Ecosystem Restoration Planning

Slide 3

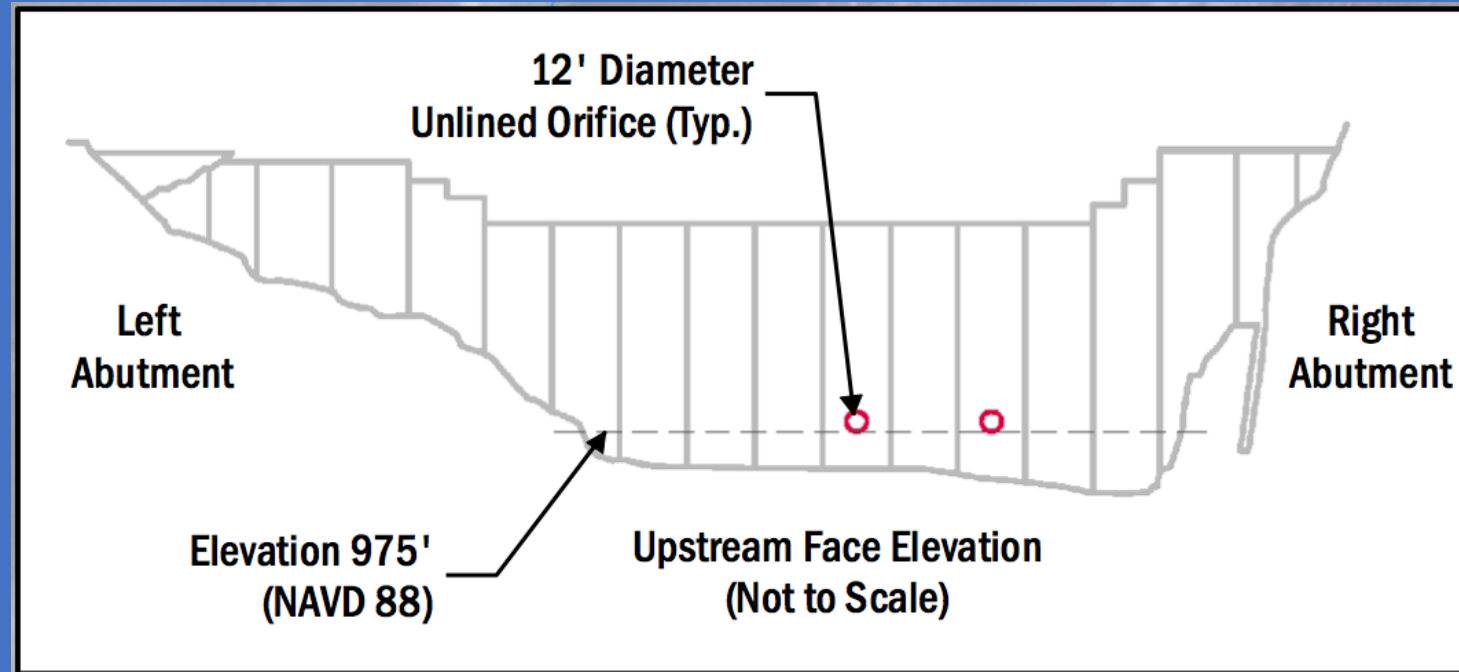
- The National Marine Fisheries Service's identifies the removal of Matilija Dam as a priority recovery action for the Southern Steelhead.
- CDFW Priority Barrier List
- At least 65 special-status wildlife species, 54 special-status plant species, and six sensitive natural communities
- U.S. Fish and Wildlife Service has designated Critical Habitat for six wildlife species.



34. Matilija Dam Ecosystem Restoration Planning

Slide 4

- Natural sediment transport approach to sediment management selected as the preferred alternative in 2016
- The removal sequence will start by boring two 12' diameter orifices into the dam
- The orifices will leave a short portion of structural concrete near the upstream face undisturbed
- When hydrological prerequisites are met, the orifices will be blasted open to initiate flushing flow through the dam.
- Allows for dam demolition without costly, large-scale sediment excavation or dredging
- Will help to initiate natural restoration of the stream channel



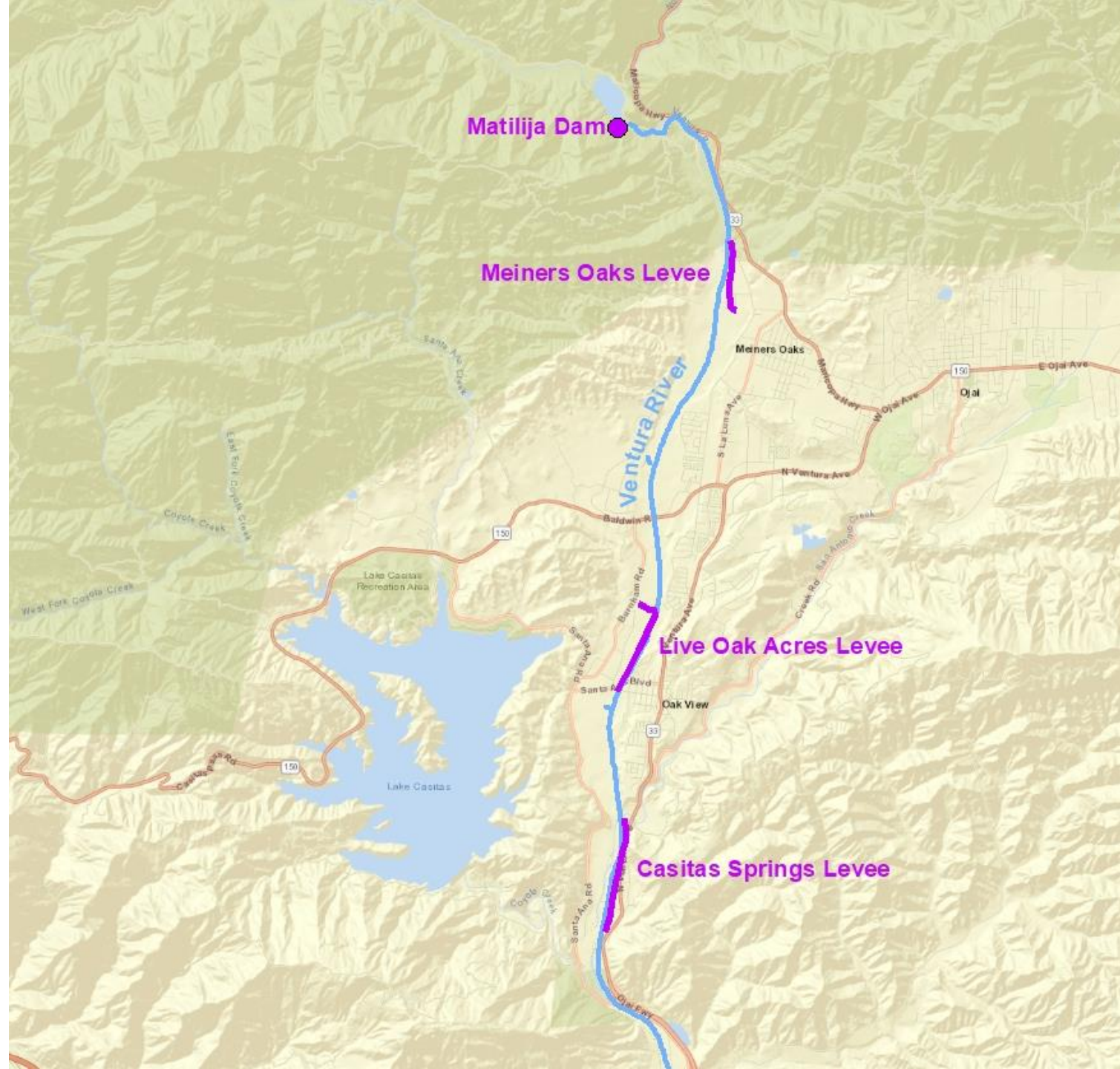
Matilija Dam Cross Section

34. Matilija Dam Ecosystem Restoration Planning

Slide 5

Three levees updated to meet FEMA certification requirements under post-Dam removal conditions

- Meiners Oak Levee
- Live Oak Acres Levee
- Casitas Springs

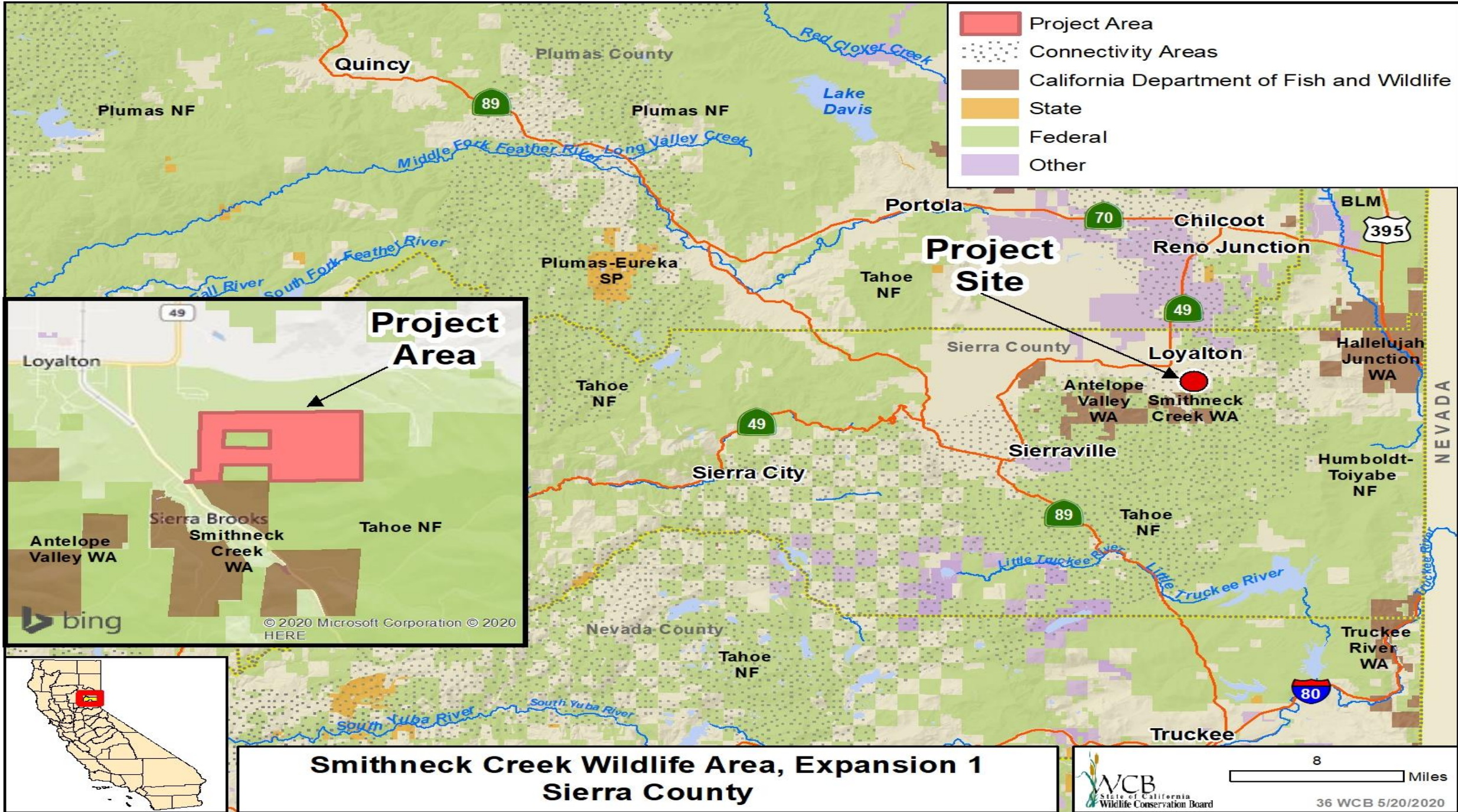


34. Matilija Dam Ecosystem Restoration Planning

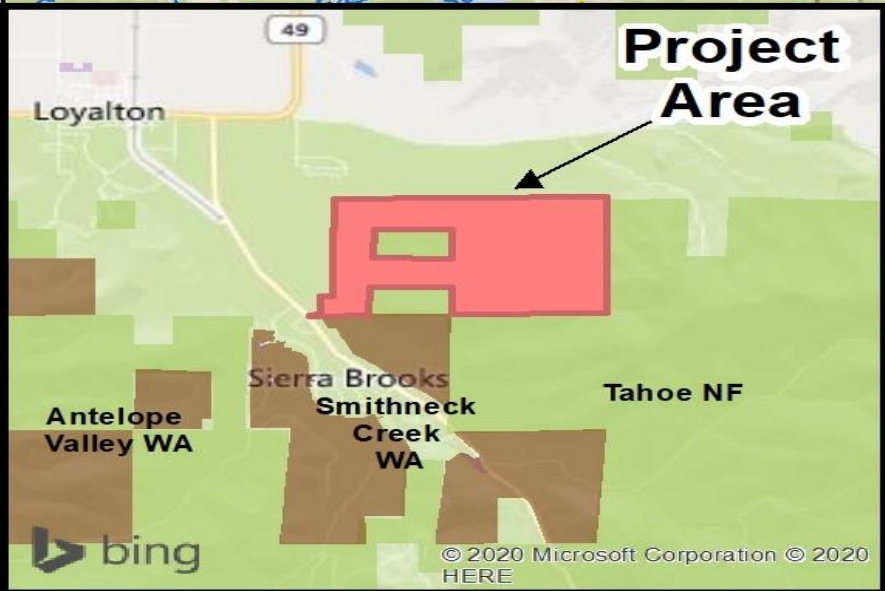
Slide 6

- 2,268 acres of varied riparian habitats
 - Freshwater and estuarine marshes, willow scrub, alluvial scrub and open water.
- Access to 17.3 miles of high-quality spawning and rearing habitat
- Natural transport of sediments will support downstream habitat as well as wetland and near-shore habitats near the Ventura River delta.





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



**Smithneck Creek Wildlife Area, Expansion 1
Sierra County**

35. Smithneck Creek Wildlife Area, Expansion 1

Slide 1

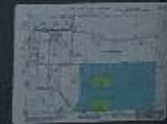
- Entrance of the Property
from Smithneck Road.

FOR SALE

976 ACRES± • Water Rights

800-433-4161 Hersh or Nicki

A1: Agricultural
Zoning

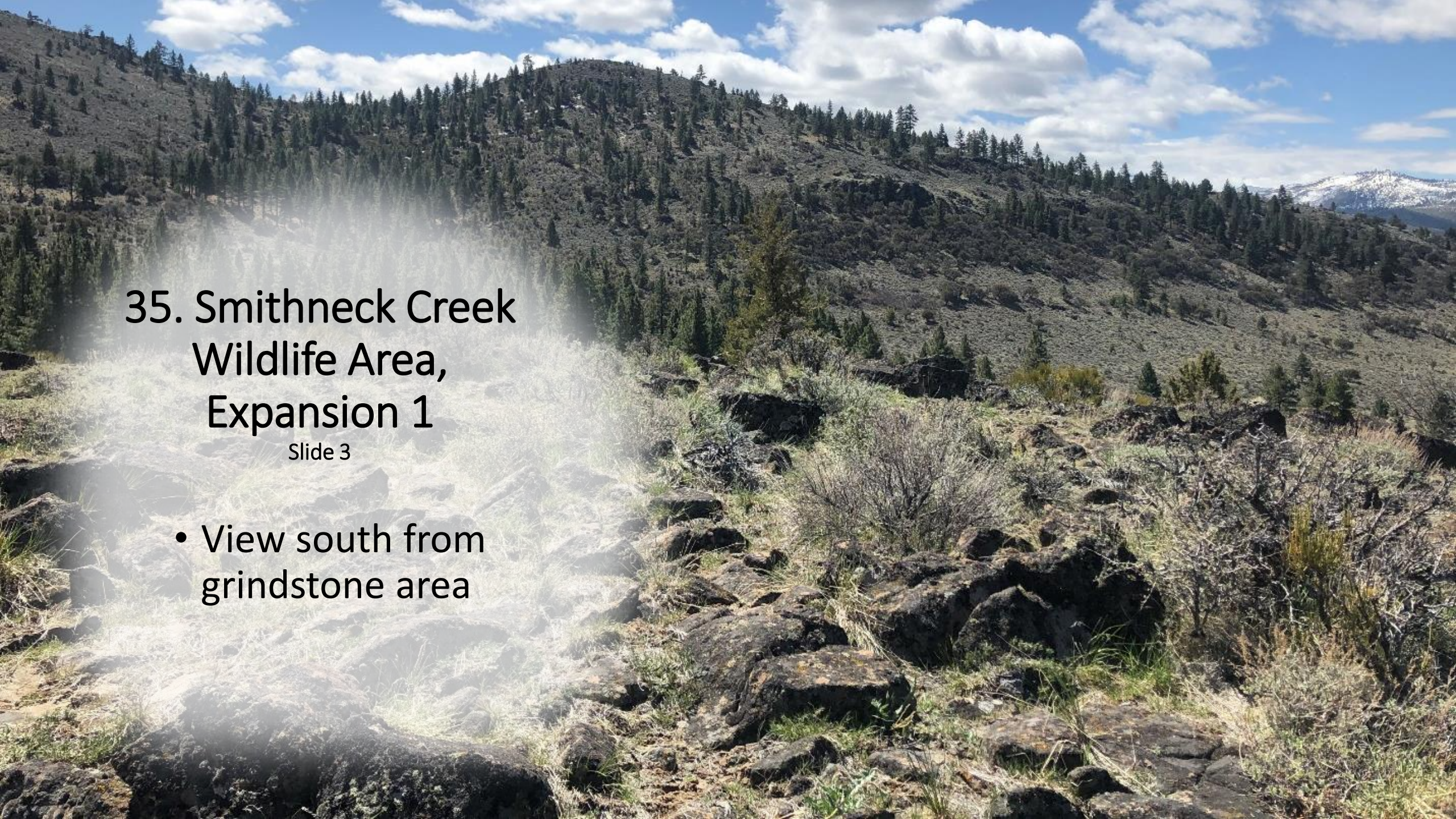




35. Smithneck Creek Wildlife Area, Expansion 1

Slide 2

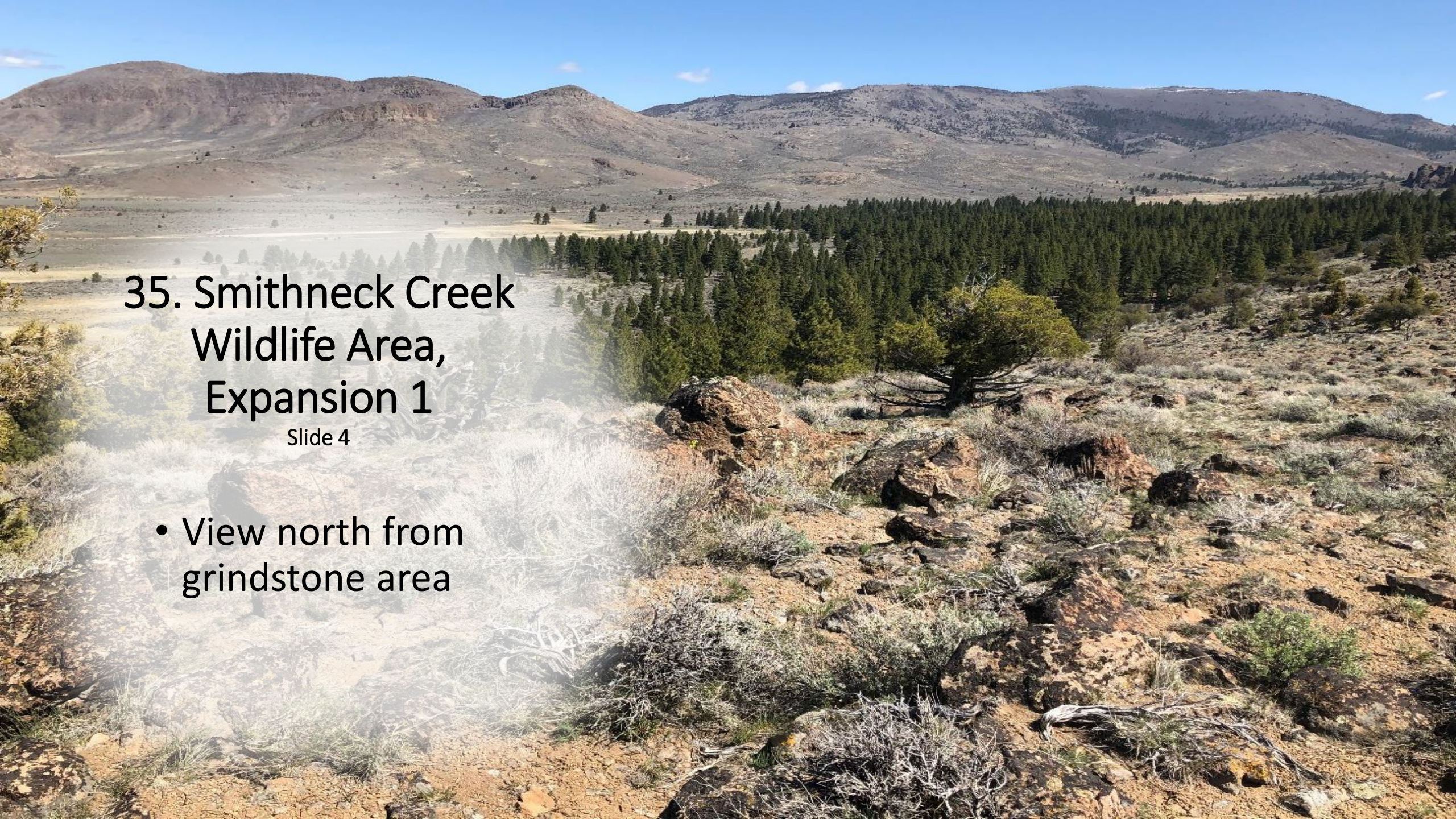
View of the Pasture



35. Smithneck Creek Wildlife Area, Expansion 1

Slide 3

- View south from
grindstone area



35. Smithneck Creek Wildlife Area, Expansion 1

Slide 4

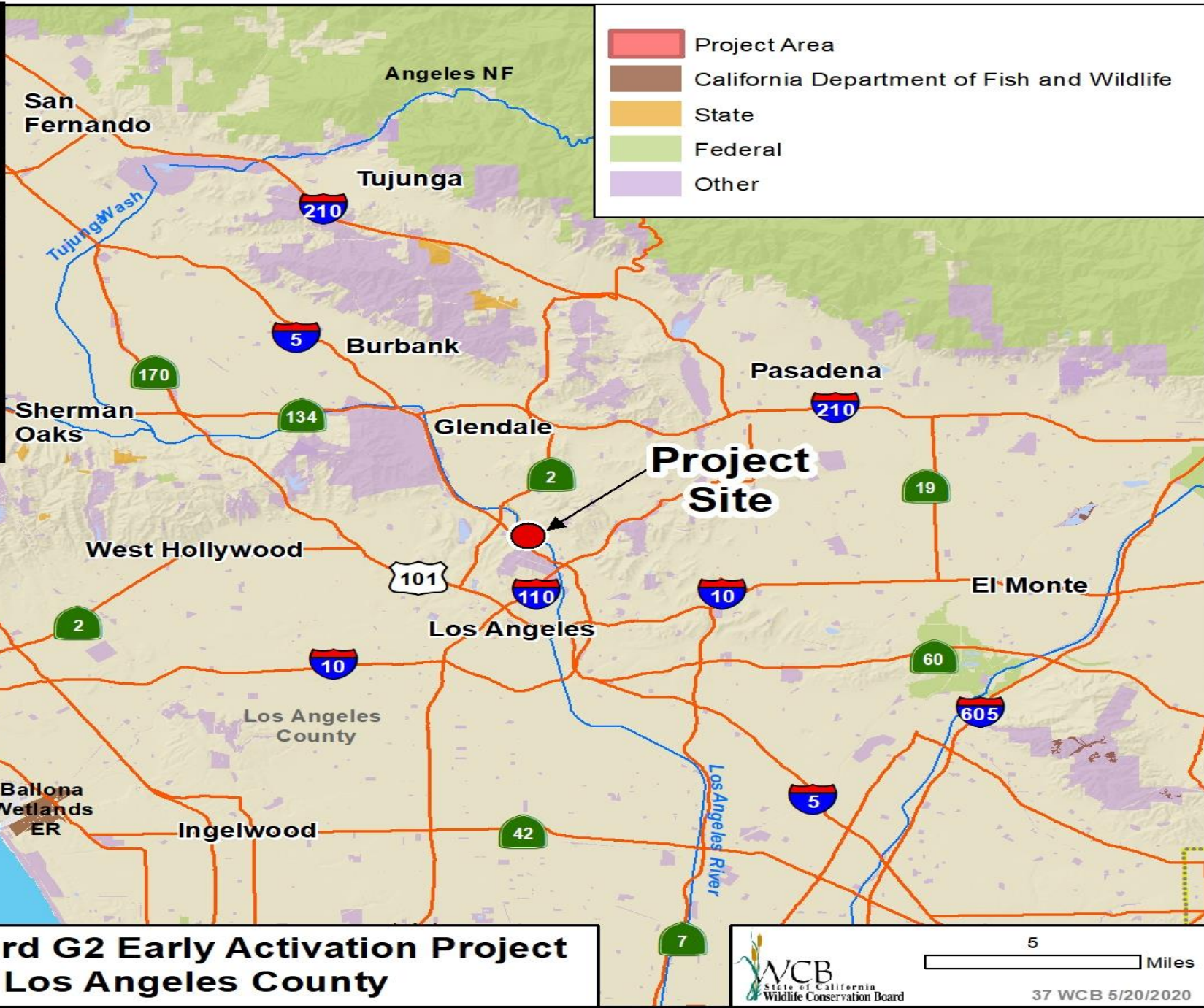
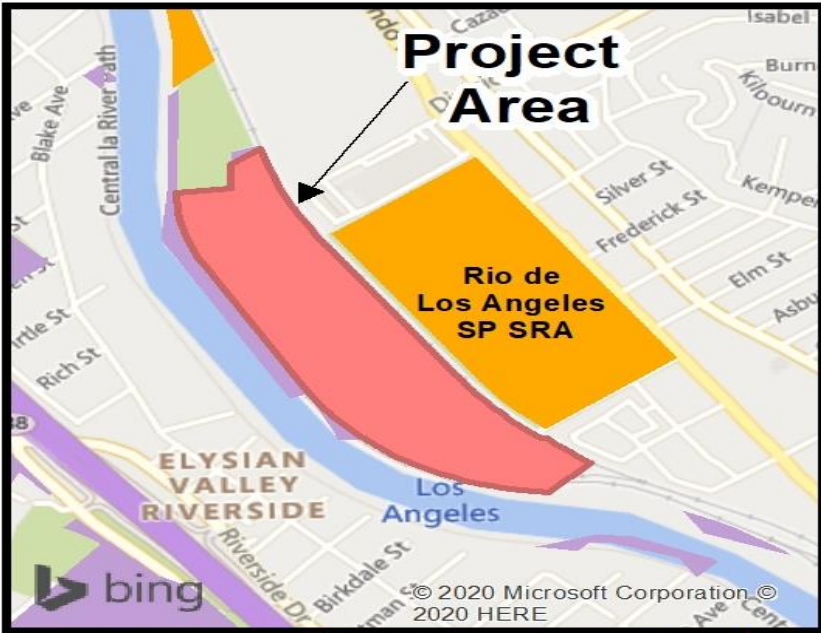
- View north from
grindstone area



35. Smithneck Creek Wildlife Area, Expansion 1

Slide 5

Western Border looking
toward Loyalton



**Taylor Yard G2 Early Activation Project
Los Angeles County**

36. Taylor Yard G2 Early Activation Project

Slide 1

- Aerial view of Taylor Yard.




An aerial photograph showing a large, mostly undeveloped area with a road and railway tracks. The background shows a residential neighborhood and hills under a clear blue sky. A semi-transparent white box is overlaid on the left side of the image, containing text.

36. Taylor Yard G2 Early Activation Project

Slide 2

- Taylor Yard G2 Parcel – Project site will be located off the roadway shown towards the right side of the photo



36. Taylor Yard G2 Early Activation Project

Slide 3

- Looking north from the Taylor Yard property



36. Taylor Yard G2 Early Activation Project

Slide 4


- View of the LA River from the Taylor Yard property



36. Taylor Yard G2 Early Activation Project

Slide 5

- Wide view of the roundhouse site on the Taylor Yard G2 parcel.

An aerial rendering of the Taylor Yard G2 Early Activation Project. The image shows a large, rectangular area of land in the center, which is the site of the project. This area is surrounded by a mix of urban development, including residential houses and commercial buildings. To the left of the project site, there is a prominent red running track and a green field. A river or canal runs along the bottom edge of the project area. The background shows a vast urban landscape extending to the horizon under a clear blue sky.

36. Taylor Yard G2 Early Activation Project

Slide 6

- Rendering of G2 (Reach 6) in LA River Ecosystem Restoration IFR/EIR, looking south-east. Site development expected by 2028

SOFT EDGE | PROPOSED SITE FEATURES AND PROGRAM ELEMENTS

SITE FEATURE

- 1 NATIVE NURSERY
- 2 ELYSIAN BRIDGE
- 3 ARBORETUM
- 4 THE CLIFF
- 5 LA LOMA
- 6 DISCOVERY PLAY
- 7 MEADOW
- 8 BIO-PLATEAU
- 9 THE FIELDS
- 10 BOULDER BEACH
- 11 ECOLOGICAL STITCH
- 12 THE ESPLANADE
- 13 RIVER STEPS
- 14 AMPHITHEATER
- 15 LAND BRIDGE
- 16 TAYLOR PLAZA
- 17 PARKING
- 18 TAYLOR YARD PEDESTRIAN BRIDGE

4.5 ACRES OF PROPOSED BUILDING FOOTPRINT
*2 STORY BUILDING
**3 STORY BUILDING

- 1 PARK OFFICE/ RANGER STATION*
- 2 KAYAK LAUNCH/CAFE
- 3 RECREATIONAL CAMPING + RESTROOMS
- 4 YOUTH ENRICHMENT CENTER
- 5 CAFE
- 6 RESEARCH BUILDING (PARKING BELOW)**
- 7 MUSEUM/CULTURAL CENTER*
- 8 PUBLIC FACILITY (PARKING BELOW)*
- 9 RESTAURANT
- 10 KAYAK LANDING/CAFE/KIOSK



THE YARDS | PROPOSED SITE FEATURES AND PROGRAM ELEMENTS

SITE FEATURE

- 1 BIO-HEDGE HABITAT MOUNDS
- 2 NURSERY + ARBORETUM
- 3 STORMWATER DEMONSTRATION GARDENS
- 4 RIVER WATER PUMP
- 5 THE WETLAND
- 6 RIVER AMPHITHEATER
- 7 NATURE PLAY
- 8 THE CANYONS
- 9 LAND BRIDGE
- 10 THE ROUND HOUSE
- 11 RIVER OUTFALL
- 12 ELYSIAN BRIDGE
- 13 MIRADOR
- 14 PRADO
- 15 VIEWING PLATFORM
- 16 RIVER STEPS
- 17 TAYLOR BOARDWALK
- 18 PLANTED EDGE ARMATURE
- 19 TAYLOR YARD PEDESTRIAN BRIDGE

4.5 ACRES OF PROPOSED BUILDING FOOTPRINT

*2 STORY BUILDING

**3 STORY BUILDING

- 1 PARK OFFICE/RANGER STATION*
- 2 KAYAK LAUNCH/CAFE
- 3 RECREATIONAL CAMPING + RESTROOMS
- 4 YOUTH ENRICHMENT CENTER
- 5 CAFE
- 6 RESEARCH BUILDING**
- 7 MUSEUM / CULTURAL CENTER*
- 8 PUBLIC FACILITY (PARKING BELOW)*
- 9 RESTAURANT
- 10 KAYAK LANDING/CAFE/KIOSK

