



Wildlife Conservation Board
May 23, 2024, Board Meeting
First Floor Auditorium, CNRA Headquarters Building

Louis Robidoux Nature Center



Item 2. Approval of Agenda



Item 3. Executive Director's Report

Follows Camp



Item 4. Board Member Updates and Reports

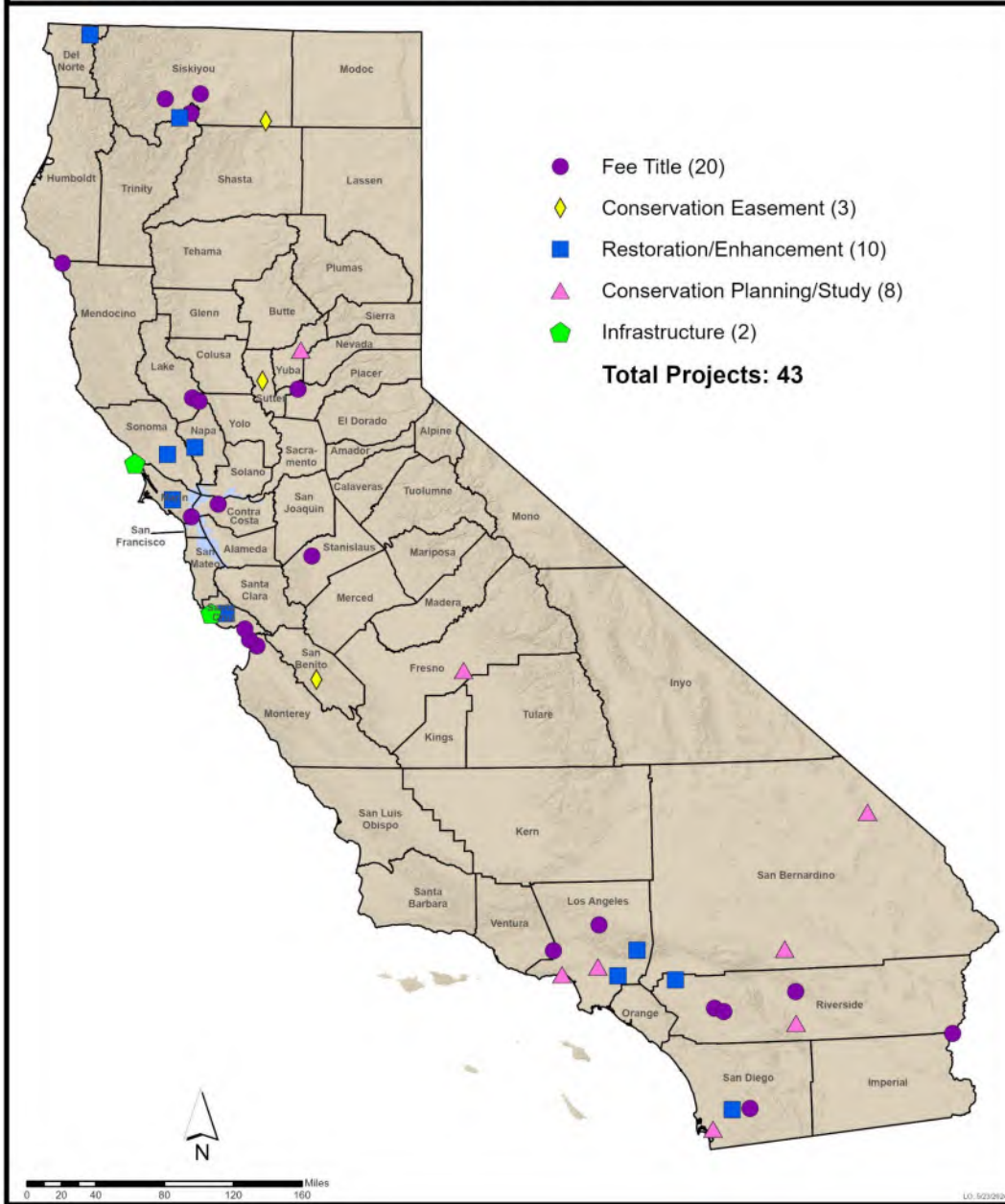


Item 5. Discussion and Election of Board Chair



Item 6. Funding Status – Informational

Santa Rosa Hills



Wildlife Conservation Board Meeting May 23, 2024 Project Map



Consent Items 7 – 34

El Monte Valley (Digenan)



Consent Items 7 – 34, Motion



Presented Items 35- 51

Eastern Coachella Valley



Item 7. Recovery of Funds

| Fund Name | Amount |
|---|------------------------------|
| General Fund | \$149,385.00 |
| Safe Neighborhood Parks, Clean Water, Clean Air, and Coastal Protection Bond Fund | \$0.00 |
| Habitat Conservation Fund | \$209,732.48 |
| Greenhouse Gas Reduction Fund | \$98,099.44 |
| California Clean Water, Clean Air, Safe Neighborhood Parks, and Coastal Protection Fund | \$178.48 |
| Water Security, Clean Drinking Water, Coastal and Beach Protection Fund of 2002 | \$87,141.13 |
| Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Fund of 2006 | \$83,116.83 |
| Water Quality, Supply, and Infrastructure Improvement Fund of 2014 | \$6,247.33 |
| The California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 | \$2,889,331.49 |
| <i>Total Recoveries for All Funds</i> | <i>\$3,530,232.18</i> |

El Monte Valley (Digenan)

Slide 1

San Diego River tributary on the
north side of the Property.



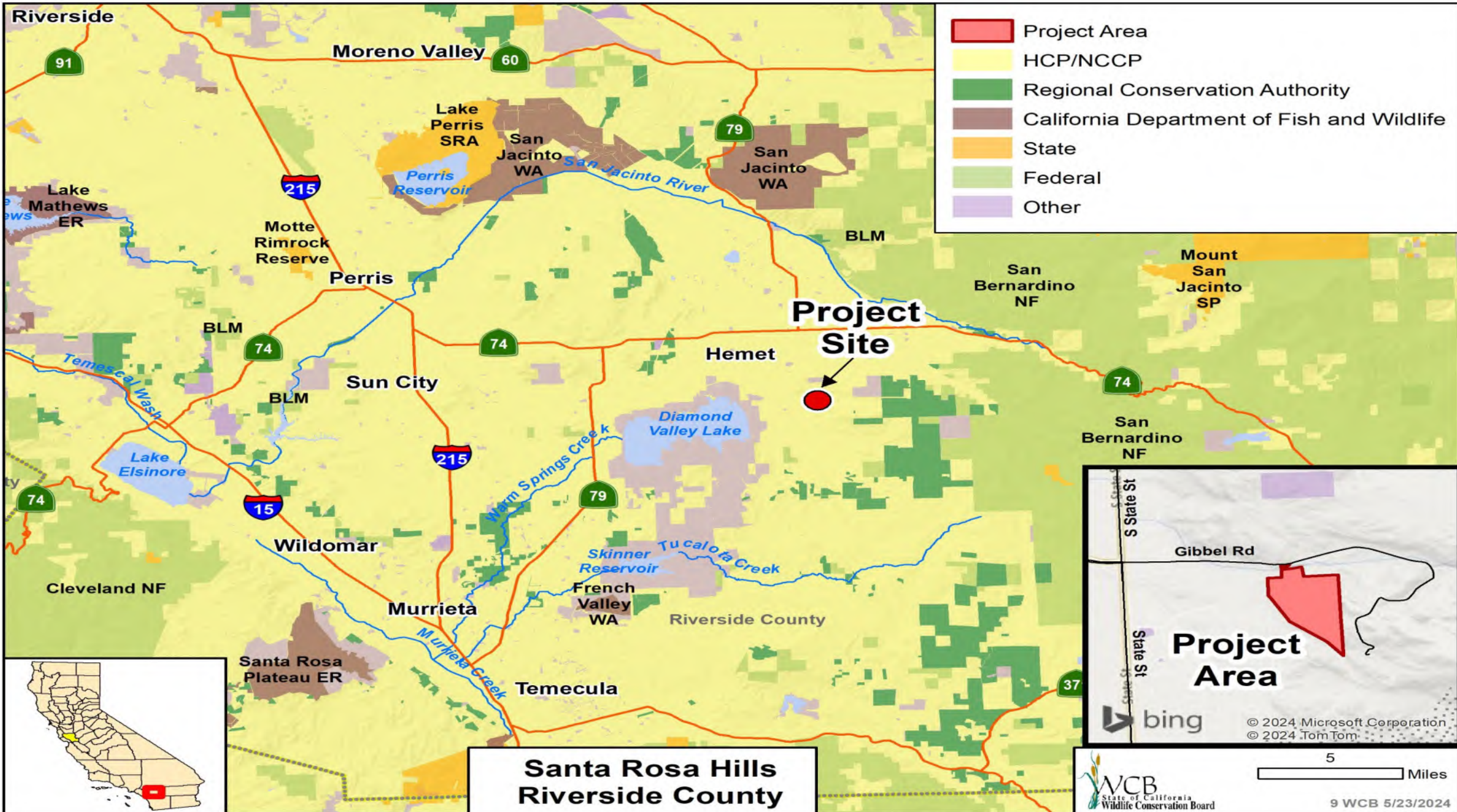
El Monte Valley (Digenan)

Slide 2

Left: Facing the south side's steep mountainside of coastal sage scrub.

Right: Facing the north side of the Property with El Cajon Mountain in the background left.





**Santa Rosa Hills
Riverside County**





Santa Rosa Hills

Slide 1

Left: View atop the Property, largely covered by Riversidian sage scrub, looking west with Diamond Valley Lake in the distance.

Right: California quail.

Photos by Oswit Land Trust.



Santa Rosa Hills

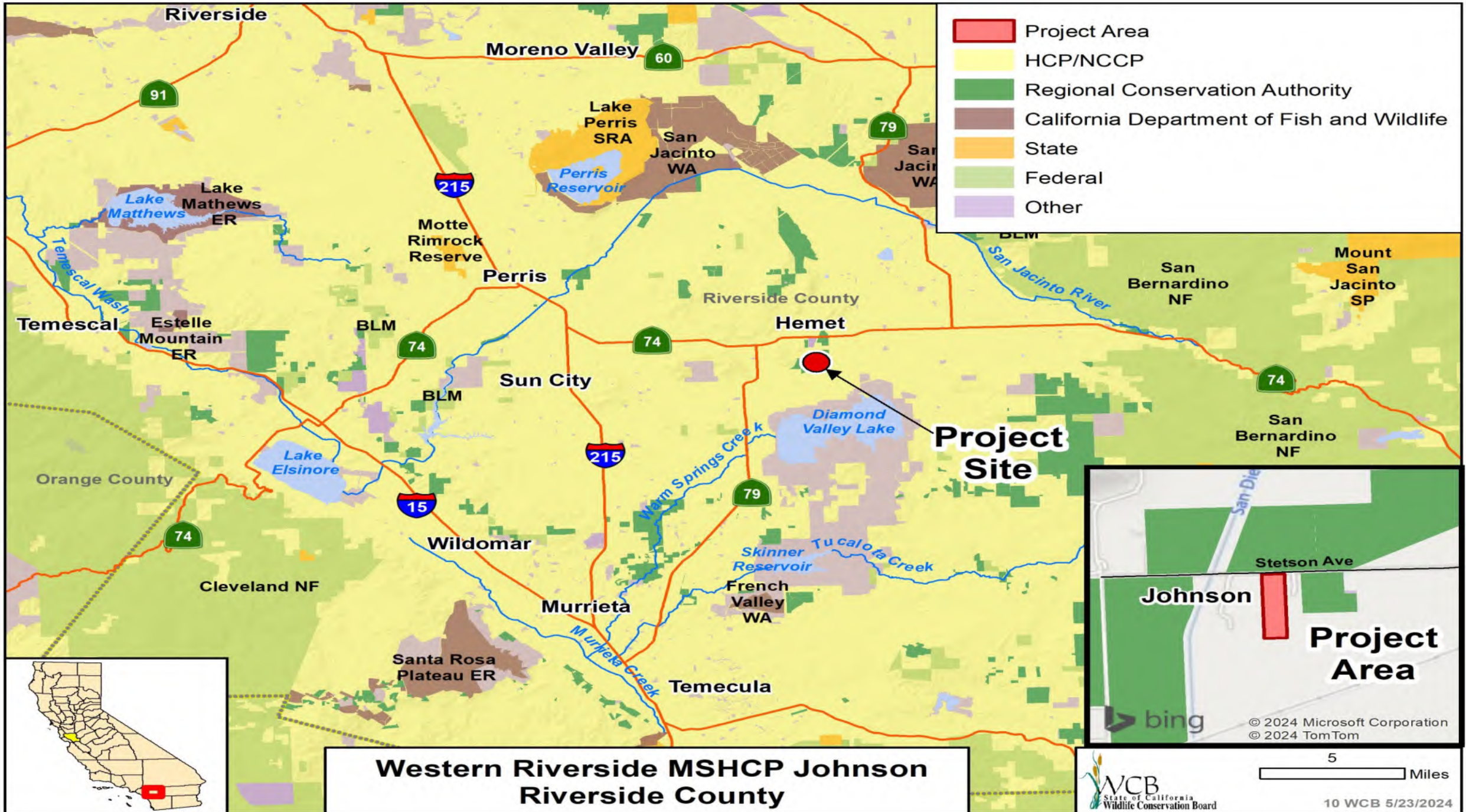
Slide 2

Left: North side of the Property. The lower row of trees run along an intermittent creek.

Center: The southern, rockier side of the Property.

Right: Pair of red-diamond rattlesnakes, a State Species of Special Concern.

Photo by Oswit Land Trust.



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

Project Site



**Western Riverside MSHCP Johnson
Riverside County**

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5 Miles

WCB
State of California
Wildlife Conservation Board

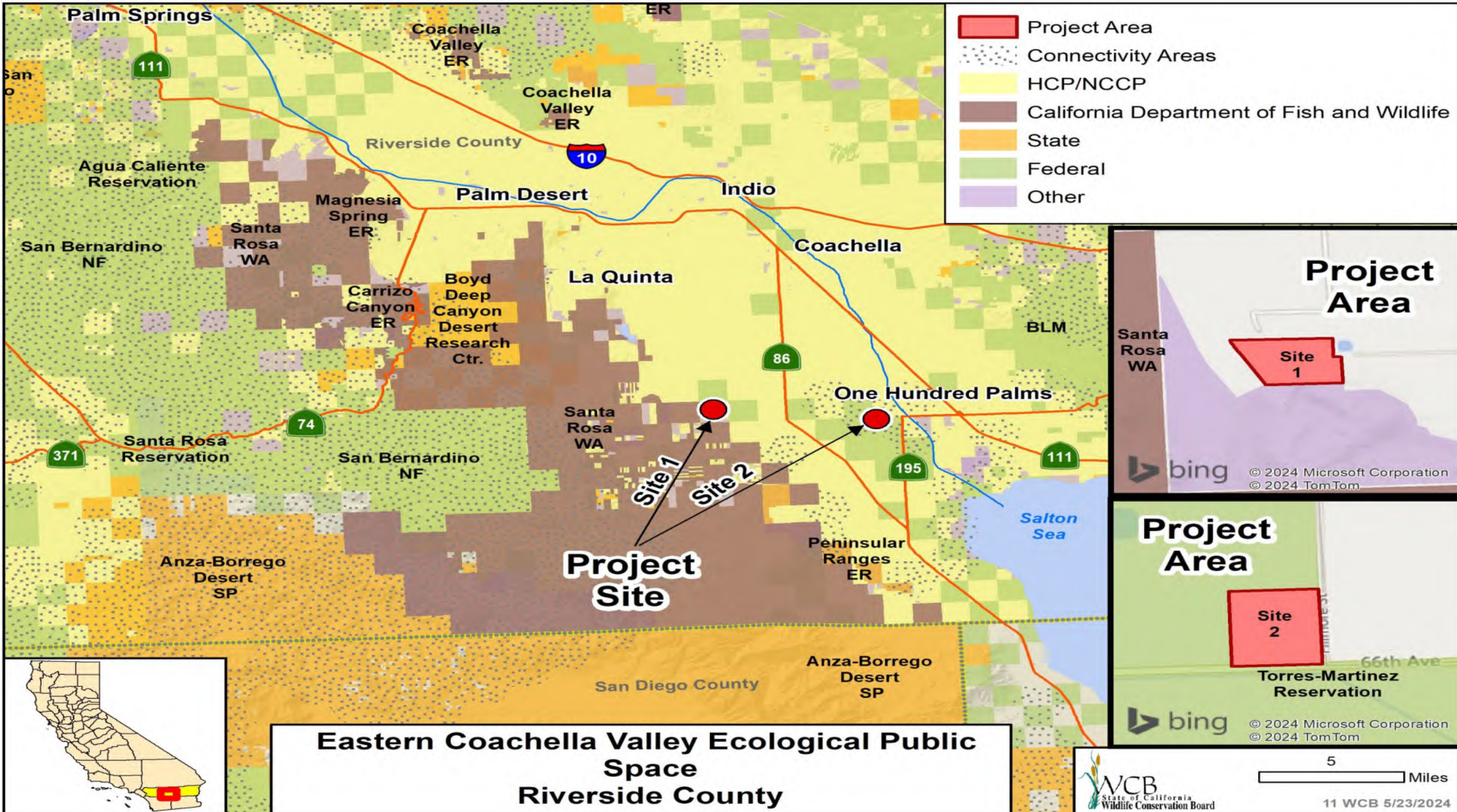
10 WCB 5/23/2024

Western Riverside MSHCP Johnson

Slide 1

At the north end of the Property,
facing east with dried vernal pool
in the foreground.





**Eastern Coachella Valley Ecological Public Space
Riverside County**





Eastern Coachella Valley Ecological Public Space

Slide 1

- Project Overview
- Planning grant:
- Two separate public open space sites
- Goals:
 - Increasing open space in the Eastern Coachella Valley
 - Building connection to ecological systems
 - Celebrating local tribal and community culture

A photograph of a desert landscape. In the foreground, a dirt path with tire tracks leads from the bottom center towards the middle ground. The path is flanked by dry, yellowish-brown grass and small shrubs. Several tall palm trees with thick, textured trunks are scattered throughout the scene. In the background, there are rocky, brown hills under a clear blue sky. The overall scene is bright and sunny.

Eastern Coachella Valley Ecological Public Space

Slide 2

Site 1 – Desert Lake Shore

Eastern Coachella Valley Ecological Public Space

Slide 3

- Site 1- Desert Lake Shore: Conceptual Plan



Materials & Design Precedents



Eastern Coachella Valley Ecological Public Space

Slide 4

- Site 1- Desert Lake Shore: Conceptual Plan



Materials & Design Precedents





**Eastern Coachella Valley Ecological
Public Open Space**

Slide 5

Site 2 – Torres Martinez Desert Cahuilla Tribal Lands

Eastern Coachella Valley Ecological Public Space

Slide 6

- Project Highlights

DAC/SDAC

- Only 1 outdoor space dedicated to education around native ecosystems in the ECV – Salton Sea State Recreation Area
- Site 2 is a 10-minute walk for approximately 3,500 students

TRIBAL ENGAGEMENT

- Torres Martinez Desert Cahuilla tribe is key partner
- Project aligns with 30x30 strategy to “protect Native American tribal ancestral lands for cultural practice ceremony, tribal practice” and “incorporating programming, education, outreach, and engagement that is accessible and representative of California’s cultural diversity.”

HISTORICAL VALUE

- Site 1 is the former shoreline of ancient Lake Cahuilla with remnants of ancient fish traps, ceramic shards, mortars in tufa, and petroglyphs
- The site itself does not appear eligible for listing in the National Register of Historic Places but the rock art panels, fish traps, and tufa mortars do appear eligible.



Eastern Coachella Valley Ecological Public Space Slide 7



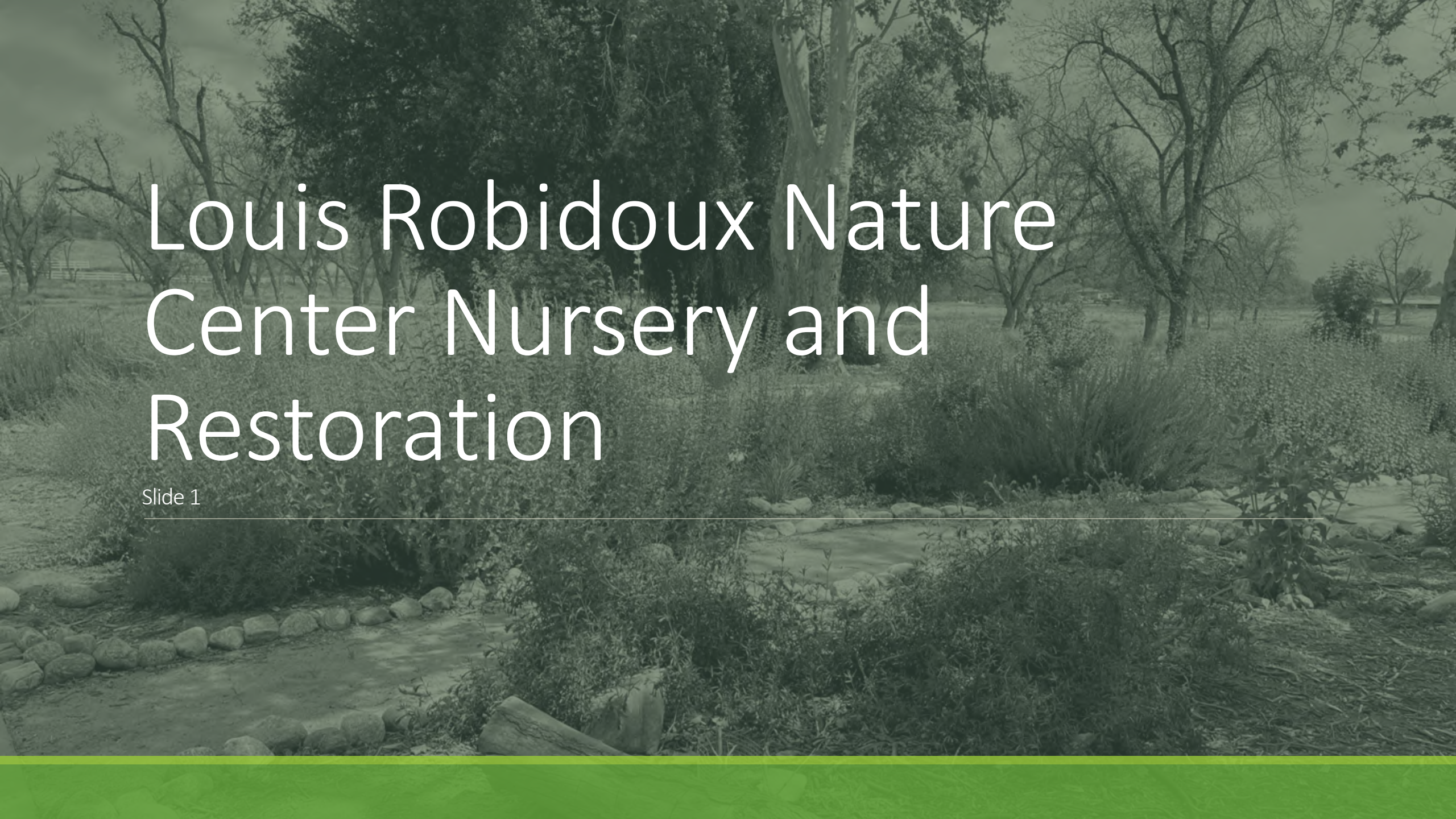


- Project Area
- California Department of Fish and Wildlife
- State
- Federal
- Other



**Louis Robidoux Nature Center Nursery and Restoration
Riverside County**





Louis Robidoux Nature Center Nursery and Restoration

Slide 1

Louis Robidoux Nature Center Nursery and Restoration

Slide 2

Goals of Project

- Construct native plant nursery
- Remove invasive plant species
- Restore approximately 10 acres of native habitat
- Train the Inland Empire Urban Conservation Corps on ecological restoration techniques.



Louis Robidoux Nature Center Nursery and Restoration

Slide 3

Project Highlights

Locally sourced native seed

Restoration for listed bird species and species of special concern

Removing fire prone invasive species from the 40-acre site by hand or with hand tools.

Restoring 10 acres upslope of Sunnyslope Creek

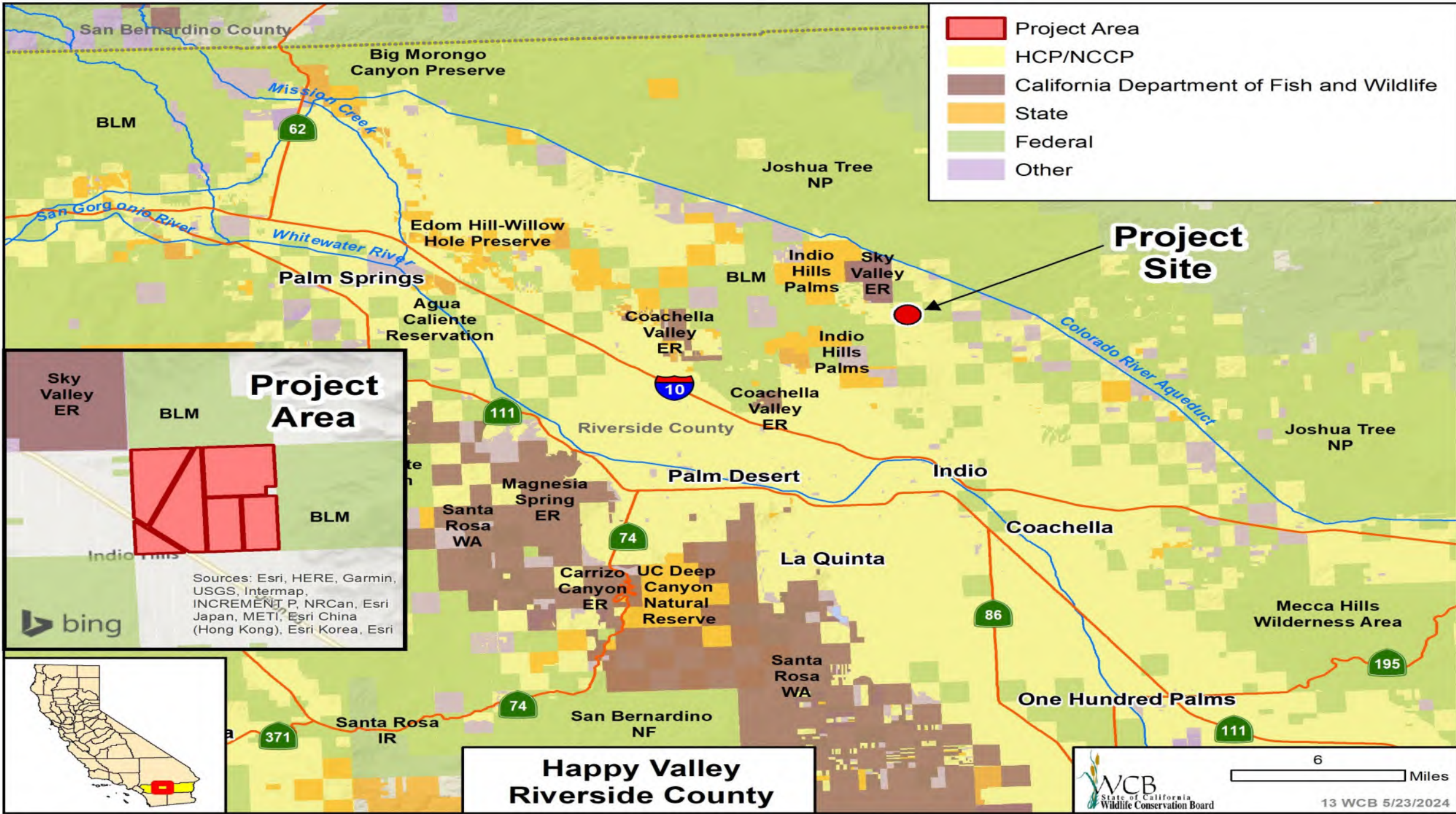
SCMF will hire and train young adults aged 18-26 from local disadvantaged communities to work in the Urban Conservation Corps program.

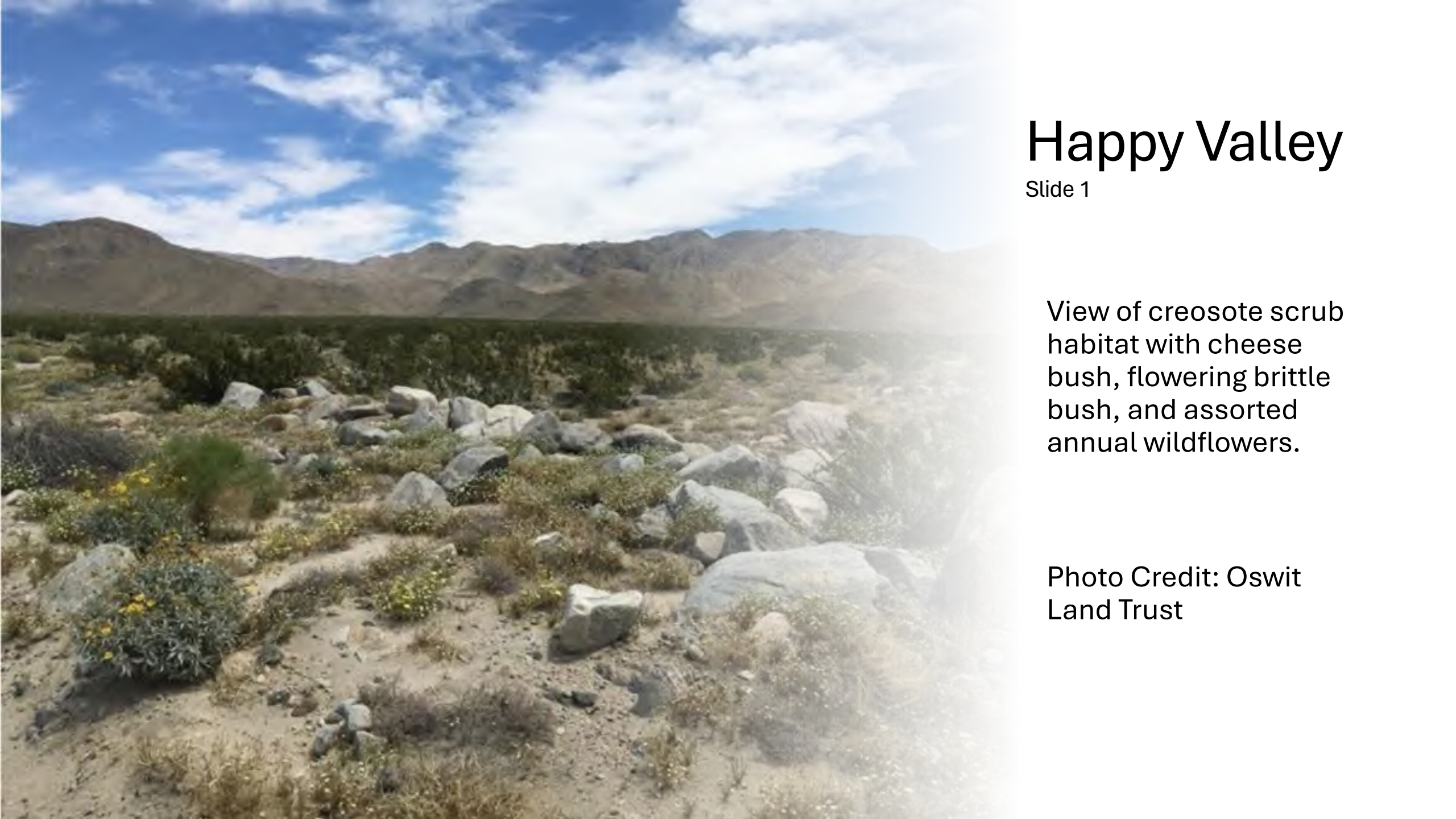


Louis Robidoux Nature Center Nursery and Restoration

Slide 4





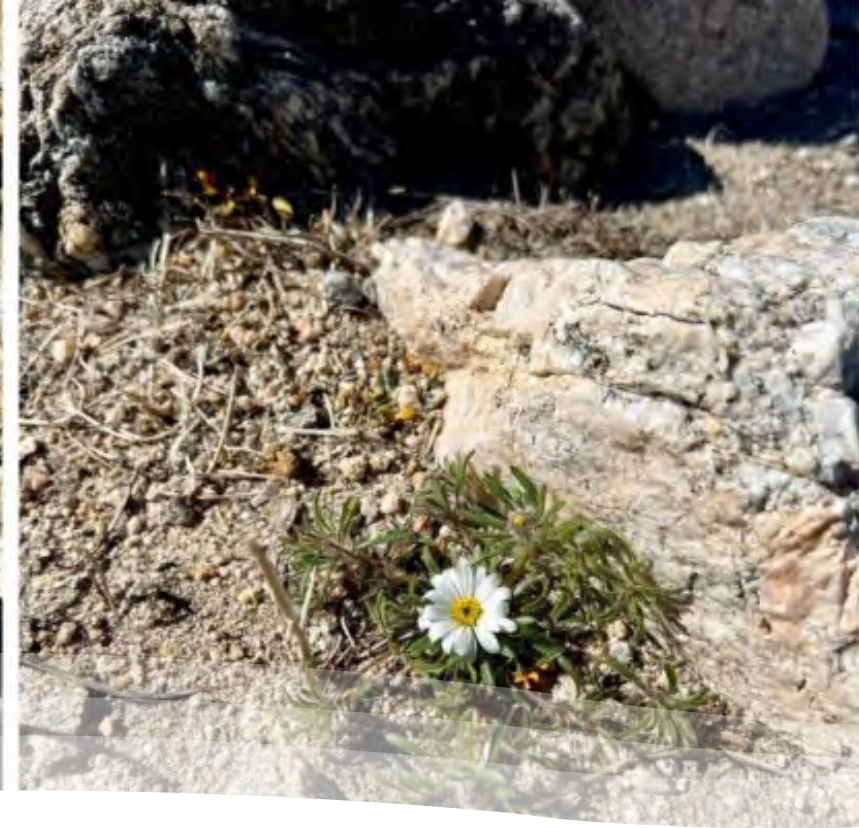


Happy Valley

Slide 1

View of creosote scrub habitat with cheese bush, flowering brittle bush, and assorted annual wildflowers.

Photo Credit: Oswit
Land Trust



Happy Valley

Slide 2

View of the diverse annual wildflowers, cactus and other perennial vegetation throughout the property.

Photo Credit: Oswit Land Trust

Happy Valley

Slide 3

Juvenile Mojave desert tortoise.

Photo Credit: The
Wildlands Conservancy





Happy Valley

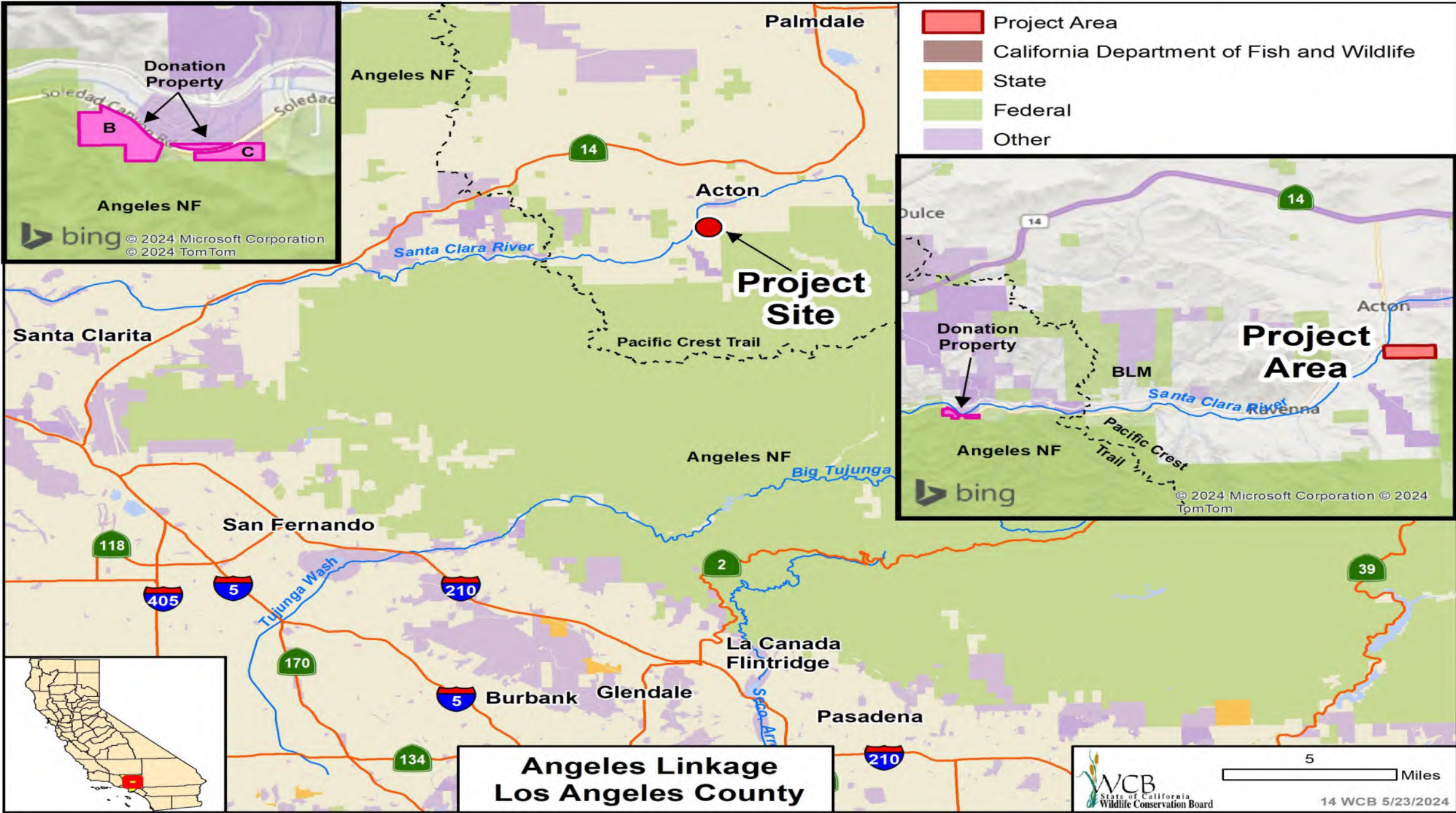
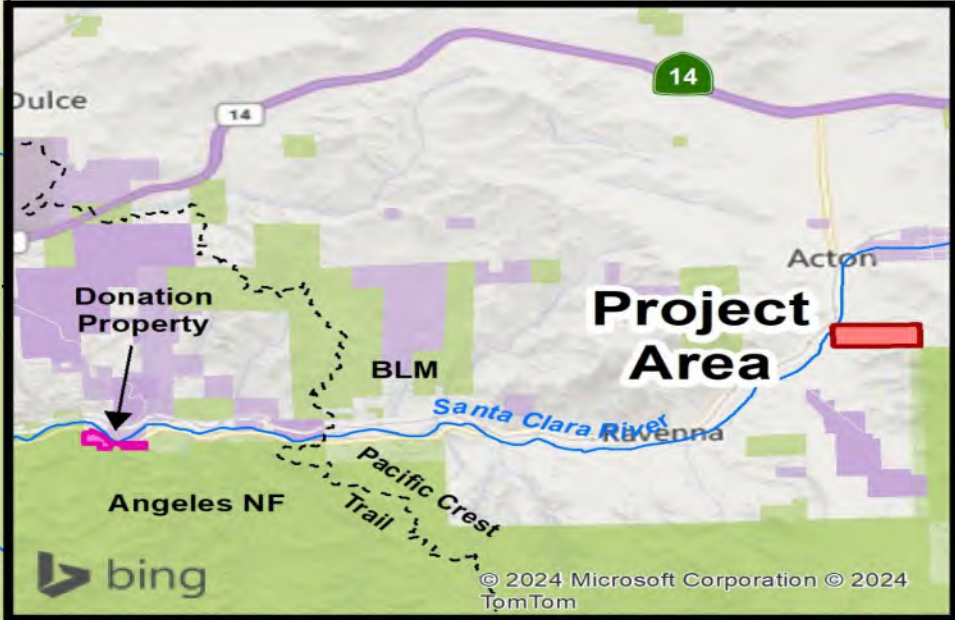
Slide 4

Packrat middens and small burrows are found throughout the property.

Photo Credit: Oswit Land Trust



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



**Angeles Linkage
Los Angeles County**



Angeles Linkage

Slide 1

Vegetation on the Property's lower elevations includes alluvial fan scrub, southern riparian scrub, mulefat scrub, and California sycamore and Fremont cottonwood trees.

The hillslopes support Great Basin sage scrub and California juniper.

Photo by The Trust for Public Land.





Angeles Linkage

Slide 2

The high-desert Property sits at 2,710 feet of elevation at the base of the San Gabriel Mountain foothills and includes steep terrain that climbs 650 feet.

Photo by The Trust for Public Land.

Project Area



Project Area



**South Los Angeles County Habitat Connectivity
Masterplan
Los Angeles County**



10 Miles

South Los Angeles County Habitat Connectivity Masterplan

Slide 1

Connectivity Master Plan that links and expands upon urban and wildland connectivity initiatives and plans that provide comprehensive statewide and regional strategies and priorities

Species driven analysis

- Up to 10 focal species
- Movement characteristics
- Urban tolerance
- Habitat preferences

Connectivity framework

- Habitat core areas
- Existing land use
- Planned development
- Climate change stressors

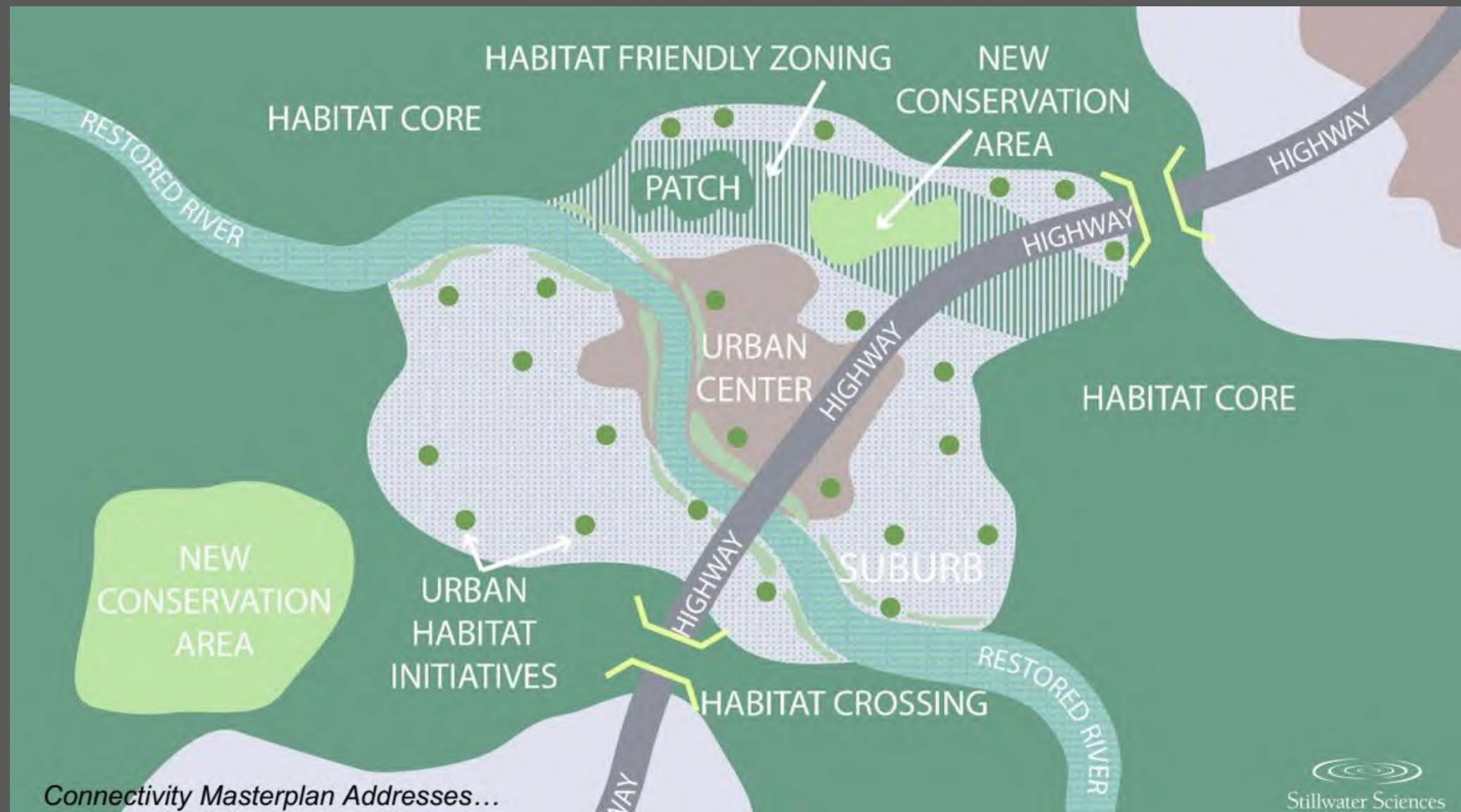
Modeled after the California Essential Linkages Project for wildland connectivity

- Finer scale to prioritize connectivity within urban Los Angeles County



South Los Angeles County Habitat Connectivity Masterplan

Slide 2



Connectivity Masterplan Addresses...

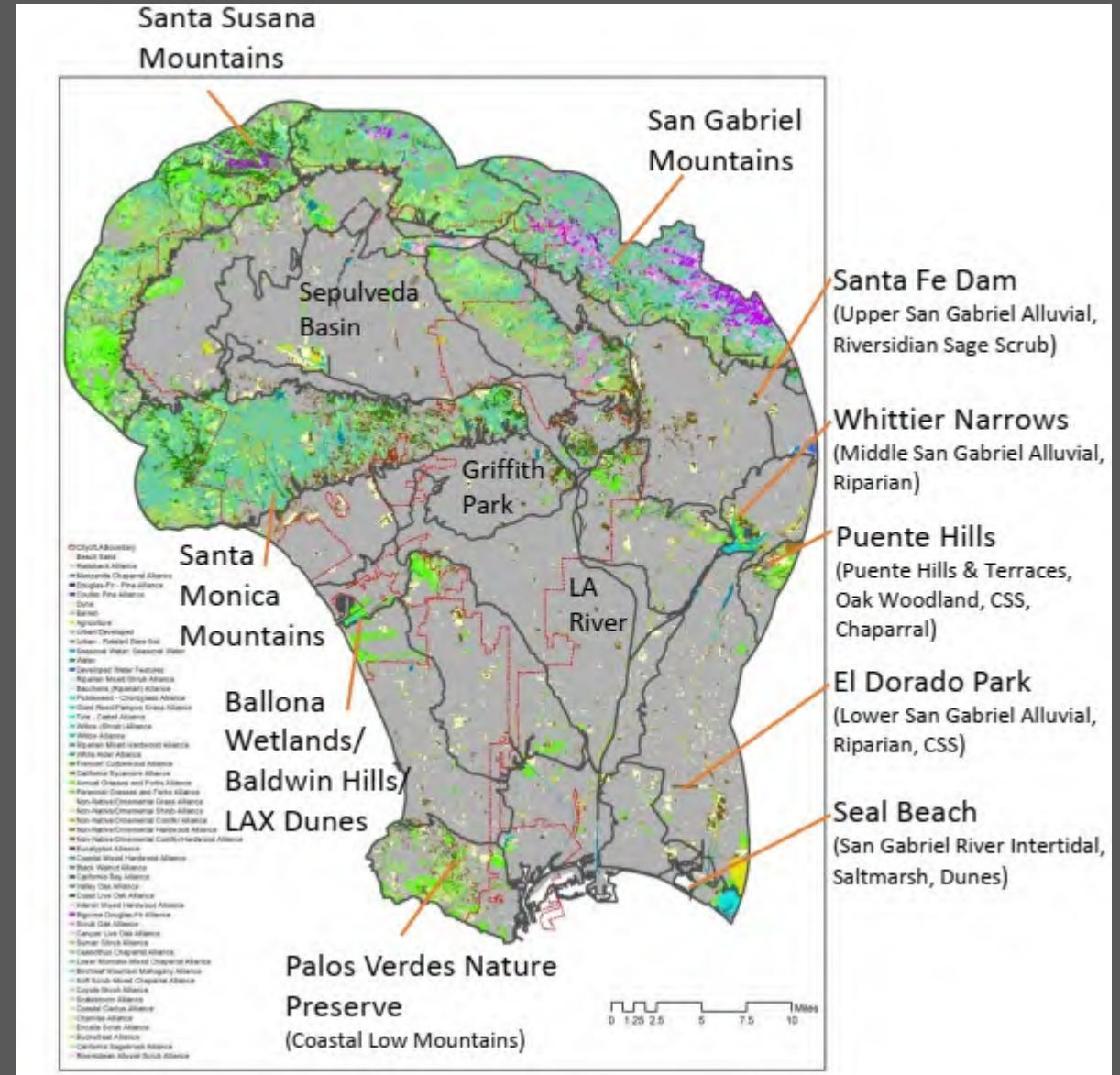


Connectivity Elements

South Los Angeles County Habitat Connectivity Masterplan

Slide 3

- Maps of existing conditions and connectivity priority locations for focal species
- High-resolution physical plan for 6 subregional planning units
- Conceptual design for up to 8 priority projects
- Best practices guidance
 - Zoning, infrastructure improvement, water quality projects, and housing development
- Extensive outreach
 - Tongva, Gabrieleño, Kizh, and Fernandeano Tataviam Band of Mission Indians

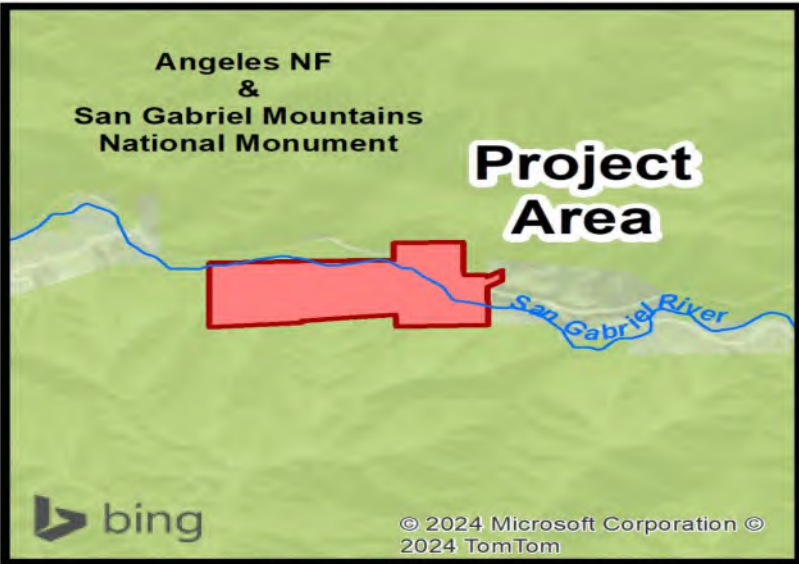


South Los Angeles County Habitat Connectivity Masterplan

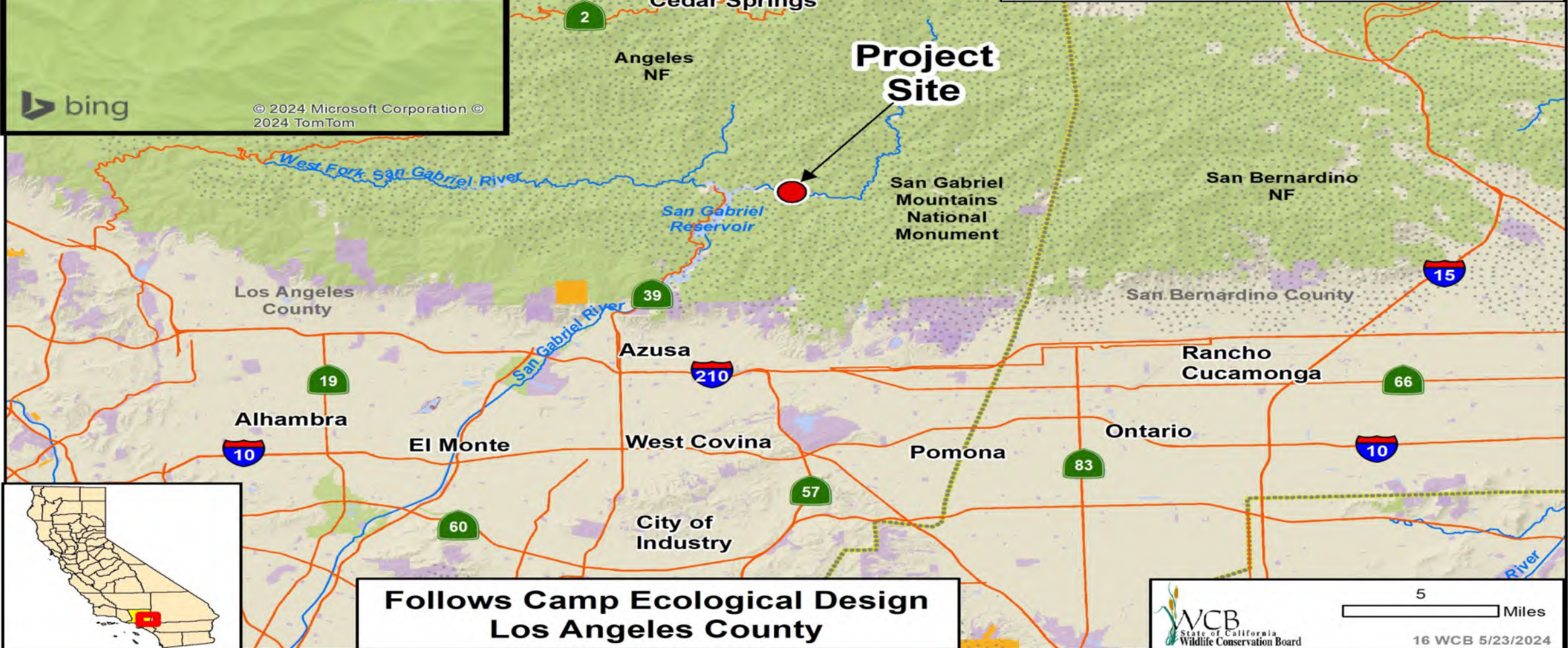
Slide 4

Preliminary Advisory Group

| Name | Affiliation |
|--|--|
| Victoria Tang, Erinn Wilson-Olgin, Melanie Gogol-Prokurat, Michael Hardy, Warren Wong | California Department of Fish and Wildlife |
| Sarah Rascon, Brian Baldauf, Paul Edelman | Santa Monica Mountains Conservancy/Mountains Recreation and Conservation Authority |
| Los Angeles Biodiversity Expert Council | Convened by Los Angeles Bureau of Sanitation (includes additional local NGOs, agencies, scholars, professionals, Watershed Conservation Authority, etc.) |
| Public Stakeholder Group | Convened by Los Angeles Bureau of Sanitation, LA County, Los Angeles City Council Districts 4 and 5 |
| Senator Henry Stern: Brendan Murphy, Jeremy Wolf | California State Senate District 27 |
| Council Member Nithya Raman: Mashaal Majid, Josh Nuni | LA Council District 4 |
| Los Angeles City and County Departments | RPOSD, Rec & Parks, Regional Planning, etc. |
| Elizabeth Reid-Wainscoat, J.P. Rose, JD | Center for Biological Diversity |
| Miguel Luna, Director | Fernandeño Tataviam Band of Mission Indians |
| Justin Suraci, PhD | Conservation Science Partners |



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



**Follows Camp Ecological Design
Los Angeles County**



WCB
State of California
Wildlife Conservation Board

5 Miles

16 WCB 5/23/2024

Follows Camp Ecological Design

Slide 1

- ▶ Time immemorial - Inhabited by Gabrieleño-Tongva Native Americans
- ▶ 1896 - Follows Camp established as a recreational and fishing camp
- ▶ 1975 - Expanded to include cabins and mobile homes for permanent residents
- ▶ 2005 - Series of storms and floods caused abandonment of property
- ▶ 2011 - Purchased by City of Industry



Historical Photos

Follows Camp Ecological Design

Slide 2

- ▶ Habitats:
 - ▶ oak woodland, mixed chaparral, riparian
- ▶ Aquatic species:
 - ▶ Santa Ana sucker, arroyo chub, Rainbow trout, Santa Ana speckled dace
- ▶ Terrestrial and bird species:
 - ▶ Mountain lion, black bear, desert bighorn sheep, mountain quail, least Bell's vireo, western yellow-billed cuckoo



East Fork San Gabriel
River at Follows Camp.
Credit: Stillwater Sciences.

Follows Camp Ecological Design

Slide 3

Uncontrolled public access and heavy recreational use has resulted in significant impacts

Many users are from environmentally burdened communities

Crossings have been washed out, creating maintenance and enforcement challenges

Follows Camp at sunset, viewed from East Fork Road

Follows Camp Ecological Design

Slide 4

- ▶ Top left: Graffiti and litter
- ▶ Top right: Graffiti on an abandoned structure
- ▶ Bottom left: Low-water crossing is a barrier to fish migration
- ▶ Bottom right: Visitors create dammed swimming holes which impede stream flow

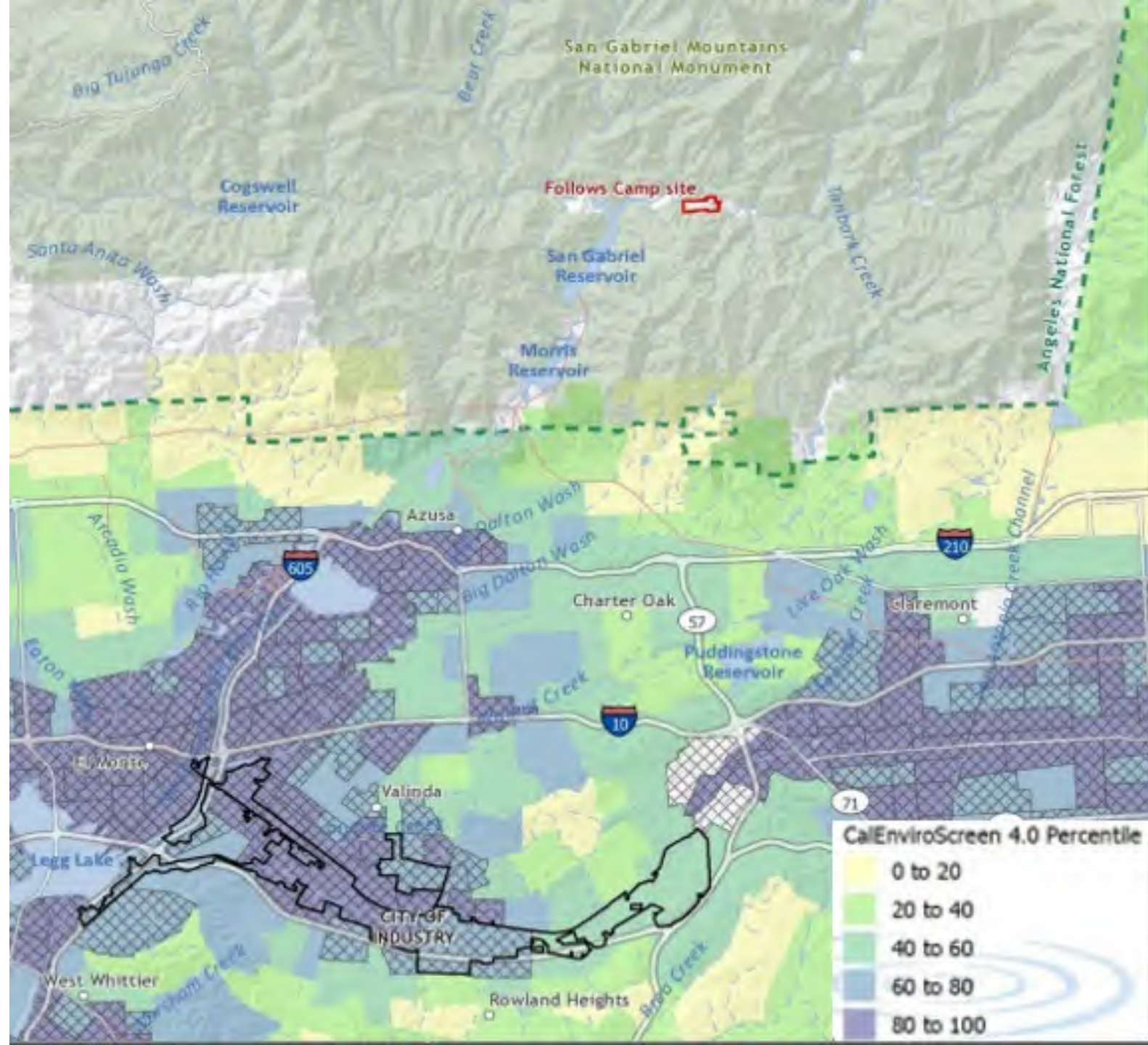
Credit: Stillwater Sciences



Follows Camp Ecological Design

Slide 5

Location of the Project site relative to the City of Industry, and CalEnviroScreen scores for surrounding communities. Credit: Stillwater Sciences



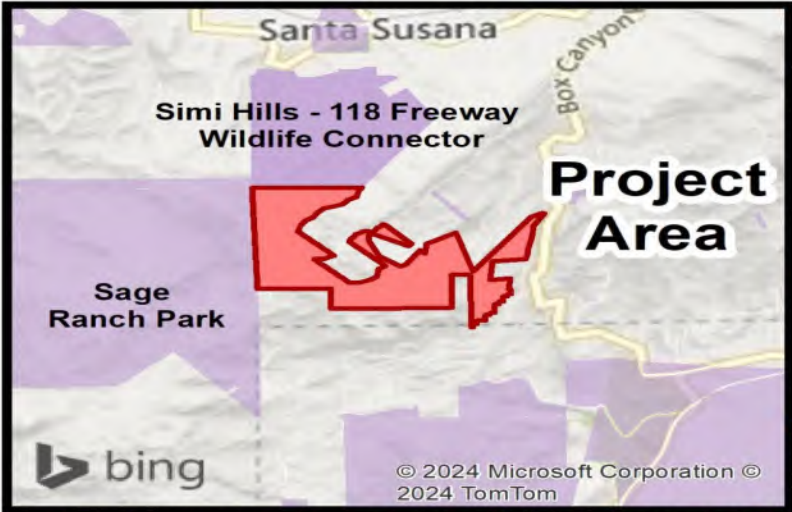


Follows Camp Ecological Design

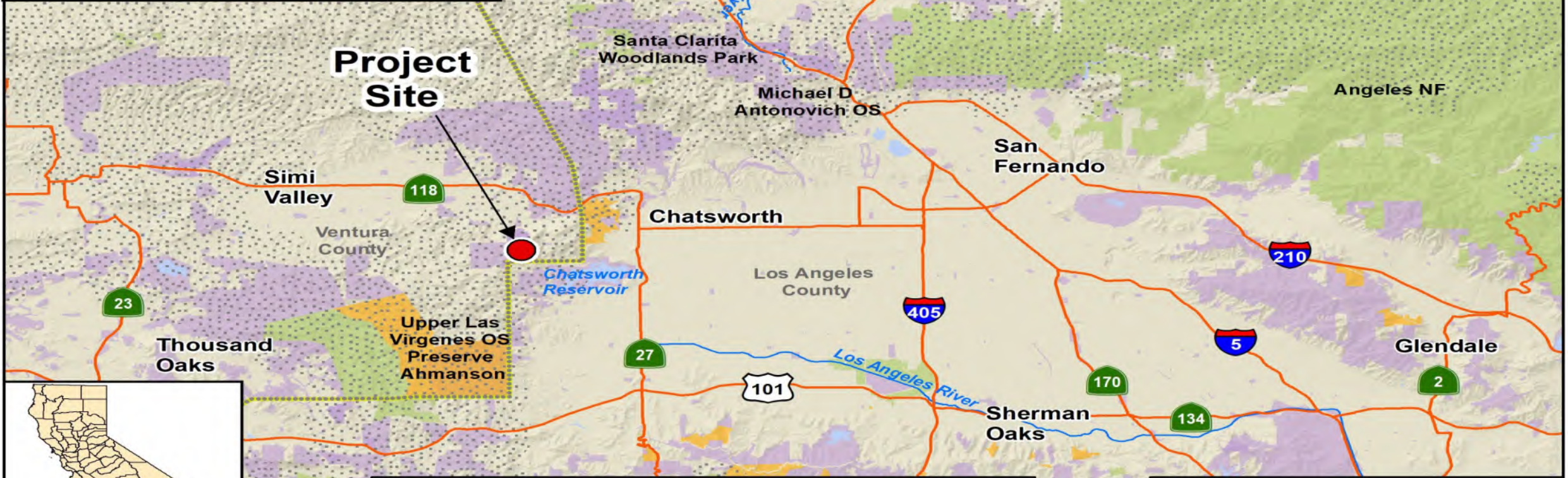
Slide 6

- ▶ Site Activation
 - ▶ Mobilize community around litter removal and stewardship
 - ▶ Install multi-lingual signage
- ▶ Restoration Designs
 - ▶ 100% designs for restoring aquatic, riparian and upland habitats
 - ▶ 100% designs for new stream crossings
- ▶ Site Master Planning
 - ▶ Environmental education and sustainable access
 - ▶ Long-term operations and maintenance, site security

Coast live oak woodland on the north bank. Credit: Stillwater Sciences



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



**Simi Divide - Box Canyon Connector
Ventura County**

5 Miles

17 WCB 5/23/2024

Simi Divide - Box Canyon Connector

Slide 1

Looking west from edge of subject property across Simi Valley with Santa Susana Mountains in middle distance and Topa Topa Mountains above Santa Paula in the Santa Clara River watershed beyond.

Credit: Mountains Recreation and Conservation Authority





Simi Divide - Box Canyon Connector

Slide 2

Looking northeast with subject property in foreground and 118 Freeway approaching Santa Susana Pass below Rocky Peak with Oat Mountain beyond.

Credit: Mountains Recreation and Conservation Authority

Simi Divide - Box Canyon Connector

Slide 3



Looking north at onsite rock outcrops from existing trail

Credit: Mountains Recreation and Conservation Authority



Onsite occurrence of a California endemic Santa Susana tarplant that is State-listed rare with a California Rare Plant Rank of 1B.2.

Credit: Mountains Recreation and Conservation Authority



Simi Divide - Box Canyon Connector

Slide 4

Looking south with subject property in foreground and panoramic view of western extent of San Fernando Valley with Calabasas Highlands and Santa Monica Mountains beyond.

Credit: Mountains Recreation and Conservation Authority

San Joaquin and Tulare Basin Planning, Amendment Multiple Counties



Shingle Springs Band of Miwok Indians gathering
willows and Santa Barbara sedge

San Joaquin and Tulare Basin Planning, Amendment

Slide 1

- Accelerating pace and scale of conservation and restoration in Region
- Critical need to identify long-term stewards
- Need to broaden network of stewards
- Engaging Tribes



Photo Credit: River Partners

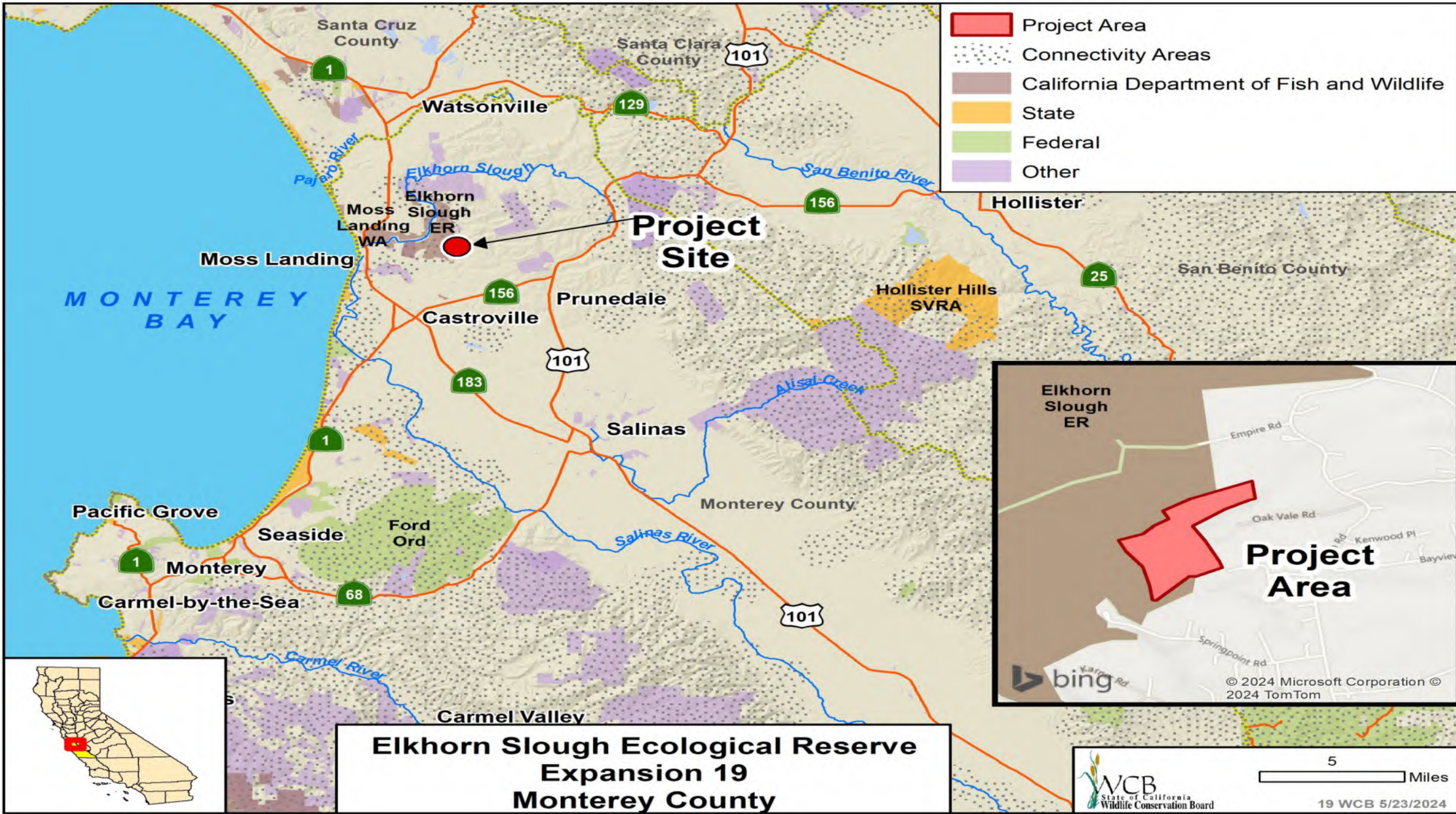
San Joaquin and Tulare Basin Planning, Amendment

Slide 2

-
- Hire Facilitator to lead Tribal engagement
 - Outreach Strategy
 - Facilitate meetings with Tribes
 - Create content to aid in future stewardship engagement



Photo Credit: River Partners



Elkhorn Slough Ecological Reserve, Expansion 19

Slide 1

-
- View to Elkhorn Slough
 - Photo courtesy of CDFW

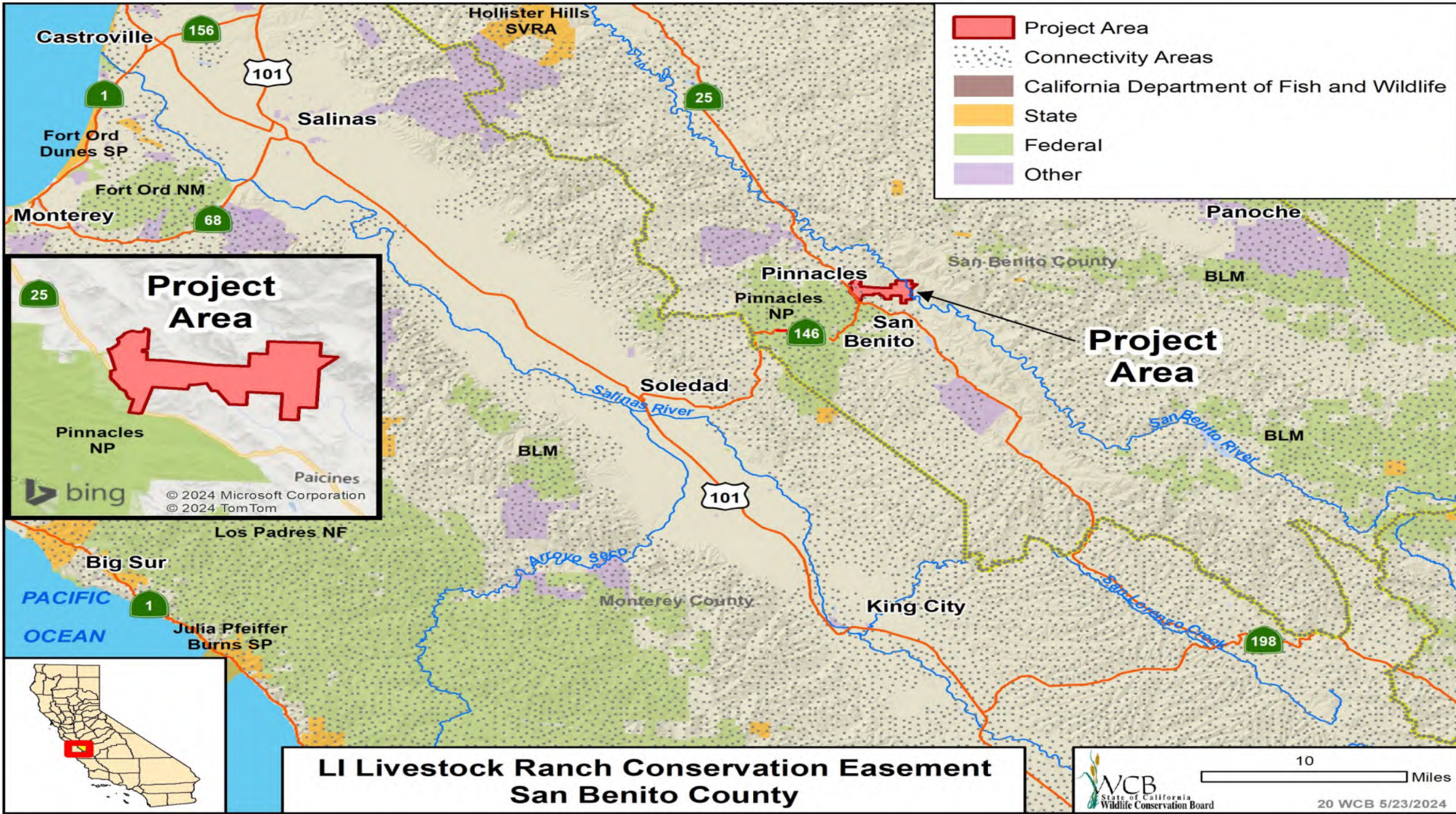


Elkhorn Slough Ecological Reserve, Expansion 19

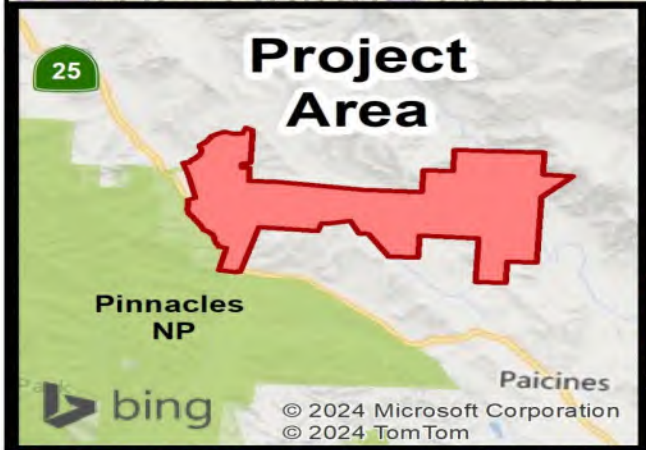
Slide 2

-
- Wet Meadow Wetland
 - Photo courtesy of CDFW






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



**LI Livestock Ranch Conservation Easement
San Benito County**


10 Miles
 20 WCB 5/23/2024

LI Livestock Ranch Conservation Easement

Slide 1

Scenic Viewsheds Towards
Pinnacles National Park
(Credit California Rangeland
Trust)



LI Livestock Ranch Conservation Easement

Slide 2

Annual Grassland and Coastal
Scrub Habitats (Credit California
Rangeland Trust)



LI Livestock Ranch Conservation Easement

Slide 3

California Tiger Salamander
in Stock Pond (Credit
California Rangeland Trust)



LI Livestock Ranch Conservation Easement

Slide 4

Beneficial Cattle Grazing
(Credit California
Rangeland Trust)



LI Livestock Ranch Conservation Easement

Slide 5

CDFW and USFWS
Biologists Surveying Ponds
(Credit California
Rangeland Trust)





Project Area

Project Area

**Santa Cruz County Stream Wood Program
Santa Cruz County**



5 Miles

21 WCB 5/23/2024

Santa Cruz County Stream Wood Program

Slide 1

Purpose

- Increase capacity of County's Large Woody Material Management Program.
- Program's Purpose: keep large woody debris and log jams in salmonid-bearing streams where feasible for habitat benefits.



Santa Cruz County Stream Wood Program

Slide 2

Need

- Infusion of wood from 2023 rainy season has exceeded program's capacity
- Size of trees and number of jams dwarfs the budget for crews.
- Insufficient monitoring system
- Assess challenge areas



Santa Cruz County Stream Wood Program

Slide 3

OBJECTIVES

- Improve technical capacity
- Assess challenge areas for solution
- Update and improve data management and tracking system
- Improve outreach materials and approaches

Stream wood creates habitat





Kingfisher Flat Hatchery, Fire Recovery
Augmentation – Slide 1

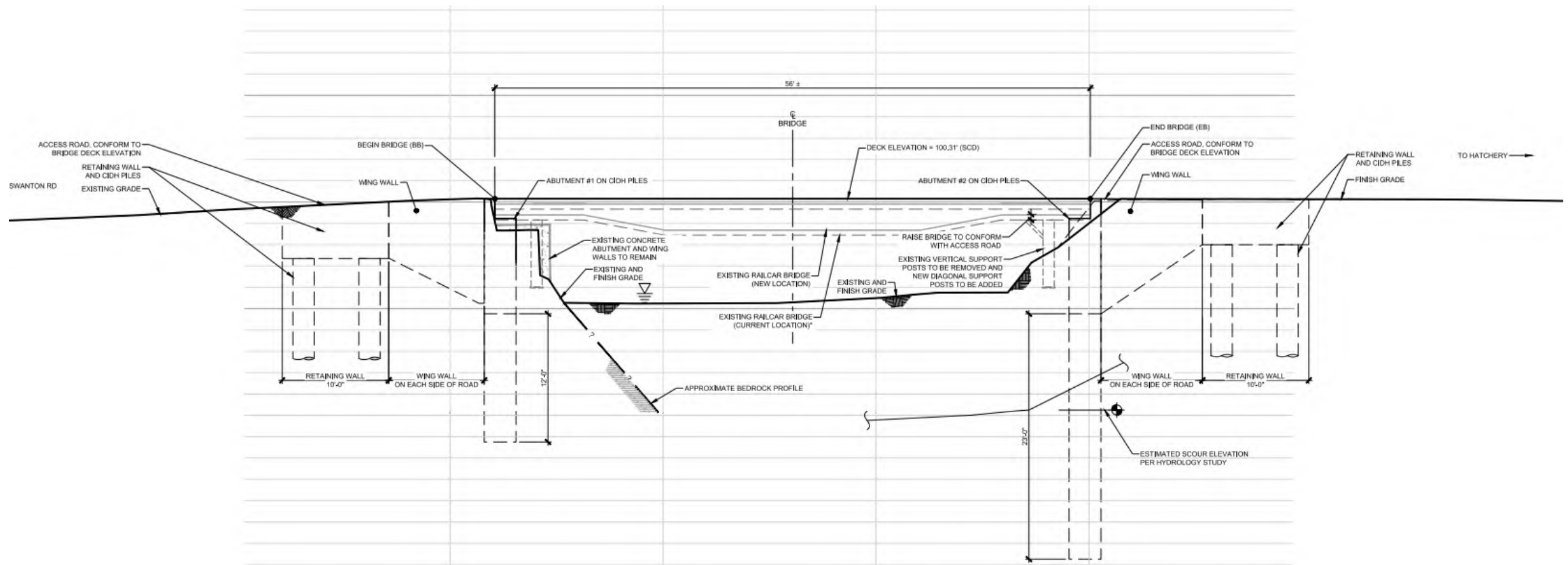


Kingfisher Flat Hatchery, Fire Recovery
Augmentation – Slide 2

Augmentation Request

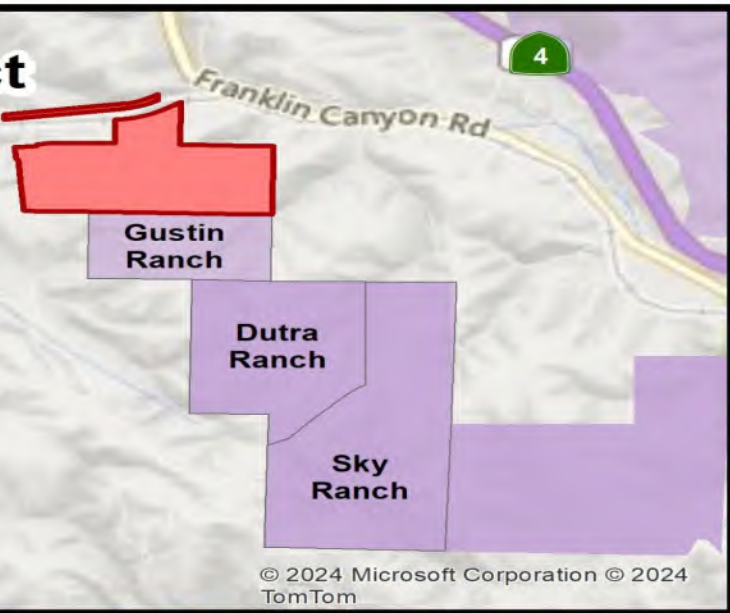
- Construction of new bridge design
- Additional engineer time during construction.
- Additional permit compliance by Santa Cruz County RCD.



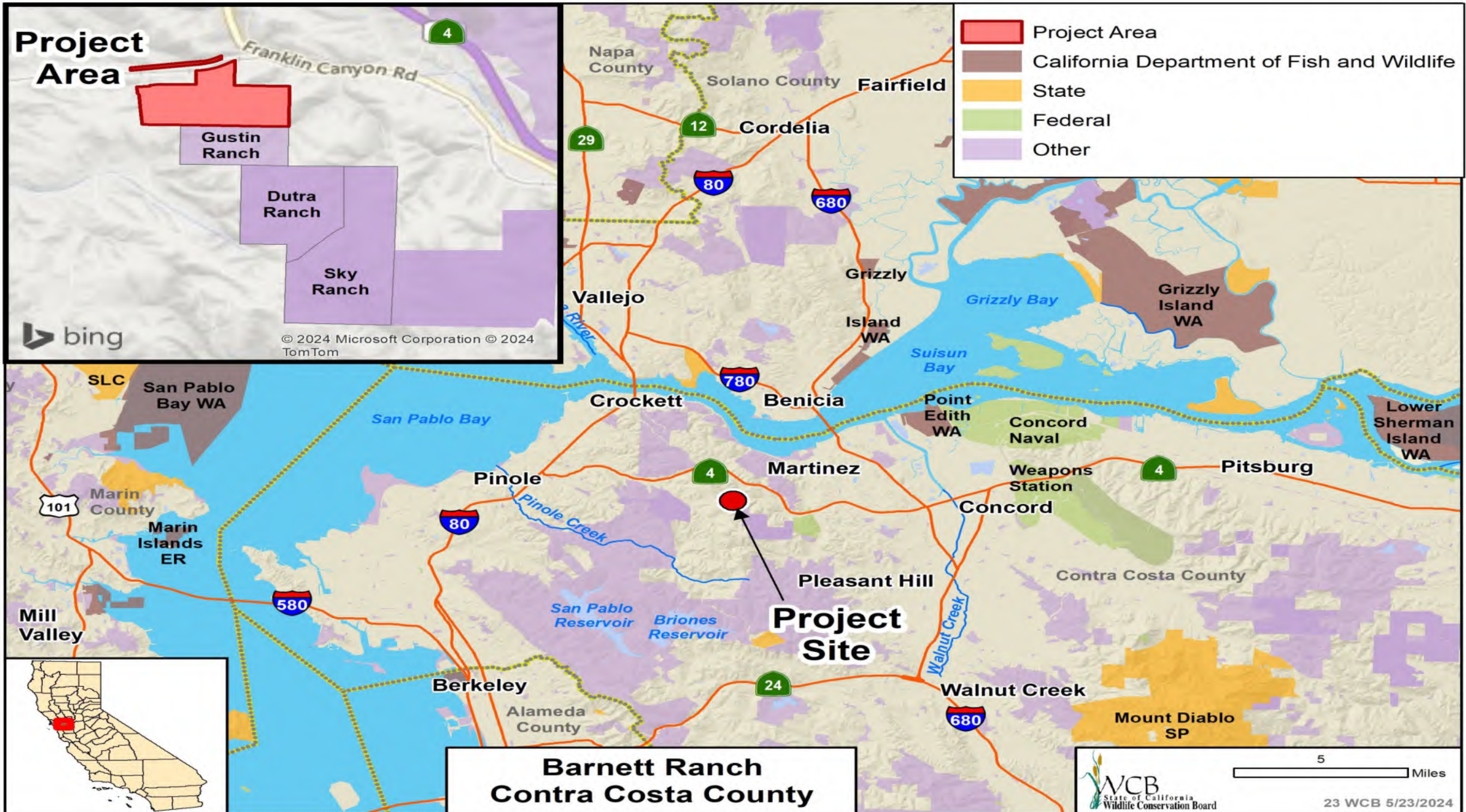


Kingfisher Flat Hatchery, Fire Recovery Augmentation – Slide 4

Project Area



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



**Barnett Ranch
Contra Costa County**

Barnett Ranch

Slide 1

- Regional Vicinity Map





Barnett Ranch

Slide 2

Photo courtesy of John Muir Land Trust

Barnett Ranch

Slide 3

- Corridor map.



Barnett Ranch

Slide 4



- Photo courtesy of John Muir Land Trust

**Seasonal stock pond (potential California red-legged frog habitat)
Western portion of the Ranch**

Barnett Ranch

Slide 5



- Photo courtesy of John Muir Land Trust

**Large cavity within coast live oak (potential special-status bat habitat)
Northern-central portion of the Ranch**

Barnett Ranch

Slide 6



**Coastal Scrub habitat
Central portion of the Ranch**



**Annual Grassland habitat
Central portion of the Ranch**

- Photo courtesy of John Muir Land Trust



**Coastal Oak Woodland habitat
Northern-central portion of the Ranch**

Barnett Ranch

Slide 7



**Large valley oak tree
Southwestern portion of the Ranch**

- Photo courtesy of John Muir Land Trust

Barnett Ranch

Slide 8

- Photo courtesy of John Muir Land Trust



Roy's Redwoods Restoration

Slide 1

Location

- Old growth (part of less than 5% on planet)
- Only publicly accessible no fee grove
- Larsen Creek floodplain
- Adjacent to preserves and WCB investments
- Historically complex network of channels



Roy's Redwoods Restoration

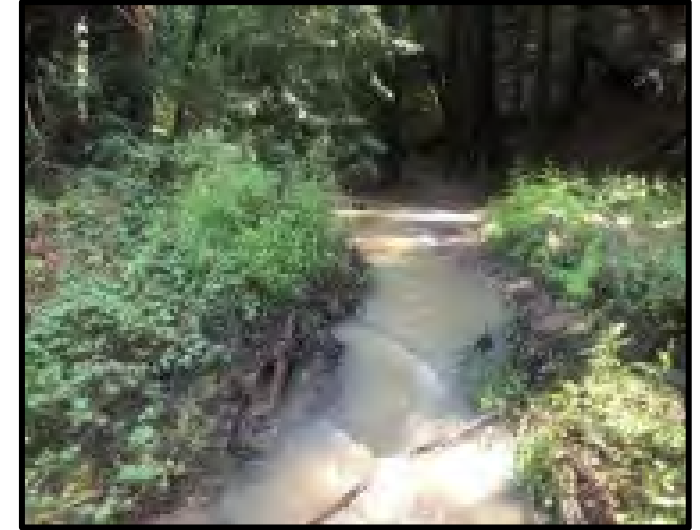
Slide 2

Need

- Limited formal trails
- Social trails = soil compaction, high velocity flow
- Straight channel
- Channel incision

Goals

- Restore healthy soils
- Restore hydrological function
- Manage public access

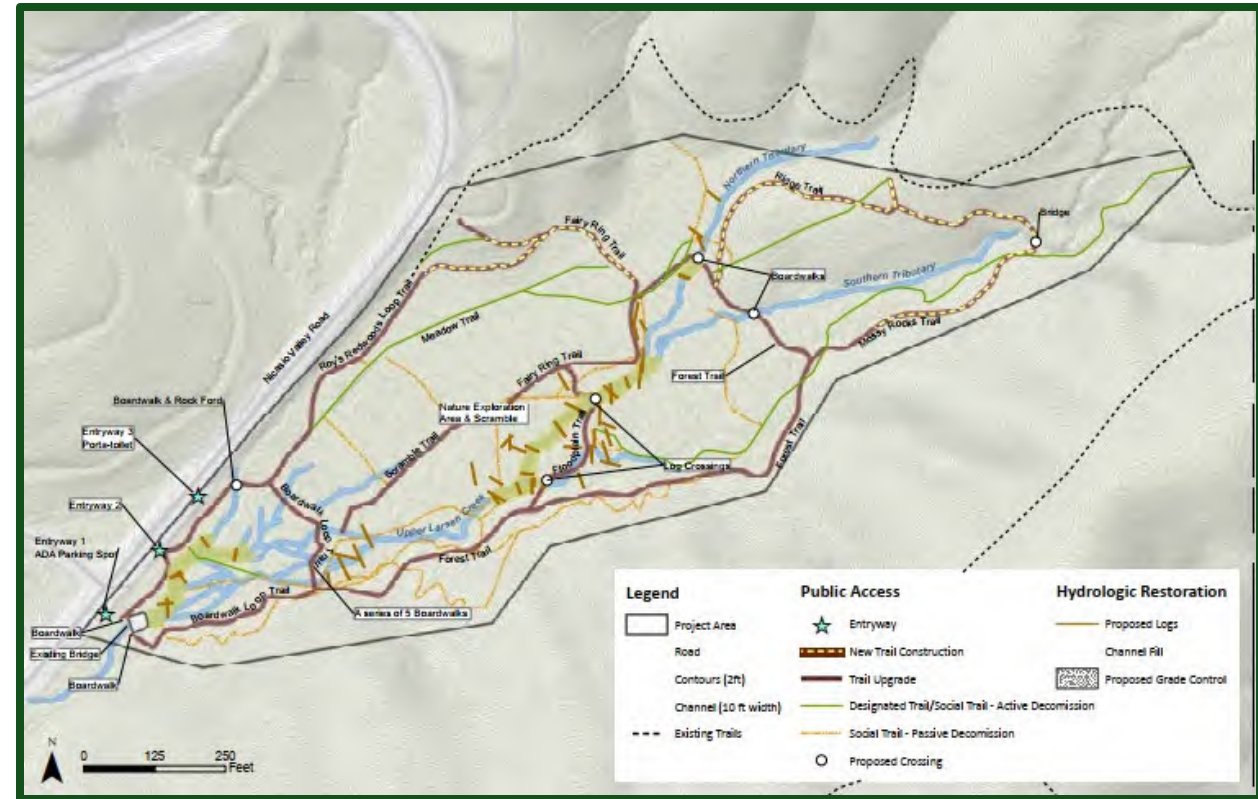


Roy's Redwoods Restoration

Slide 3

Action

- Restore complex channel network & floodplain
 - Place LWD
 - Prevent erosion
- Revegetate with native plants and remove Himalayan BB
- Establish formal trail system and eliminate social trail use



A photograph of a forest stream with a fallen log and a tree stump. The stream flows through a dense forest with green foliage and brown tree trunks. A large log lies across the stream, and a tree stump is visible on the right bank. The water is clear and reflects the surrounding greenery.

Roy's Redwoods Restoration

Slide 4

Outcomes

- Increased infiltration/storage of groundwater
- Limited further incision and erosion through enhanced native vegetation
- Increased shelter, forage and nesting sites for native wildlife
- Enhance downstream conditions for Salmonids

Project Site

Crescent City

PACIFIC OCEAN

101

199

Del Norte Coast Redwoods SP

Six Rivers NF

Del Norte County

Siskiyou County

Klamath NF

101

Tolowa Dunes SP

Lake Earl WA

Jedediah Smith Redwoods SP

Redwood NP

Hoop Valley IR
Hoopa

96



Project Area



Connectivity Areas



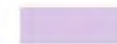
California Department of Fish and Wildlife



State

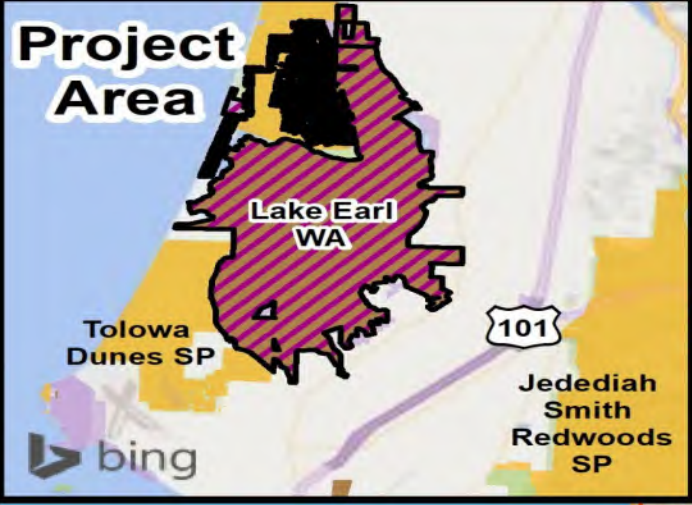


Federal



Other

Project Area



Project Area



Project Site

Arcata

Eureka

101

McKinleyville

Mad River FH

Mad River FH

South Spit WA

Eel River WA

Humboldt County

Six Rivers NF

299

Shasta-Trinity NF

Trinity County

Weaverville

Trinity River FH

Shasta County



North Coast Wildlife Areas Enhancement Del Norte and Humboldt Counties



10 Miles

El Dorado and Daugherty Hill Land Management Plans

Slide 1

Top: Overview of the Daugherty Hill Wildlife Area

Bottom: Overview of the proposed El Dorado Wildlife Area





El Dorado and Daugherty Hill Land Management Plans

Slide 2

Left: Ervin Ranch Unit at the El Dorado Wildlife Area

Right: Typical Landscape in the Daugherty Hill Wildlife Area



El Dorado and Daugherty Hill Land Management Plans

Slide 3

Left: Proposed El Dorado Wildlife Area

Right: Daugherty Hill Wildlife Area

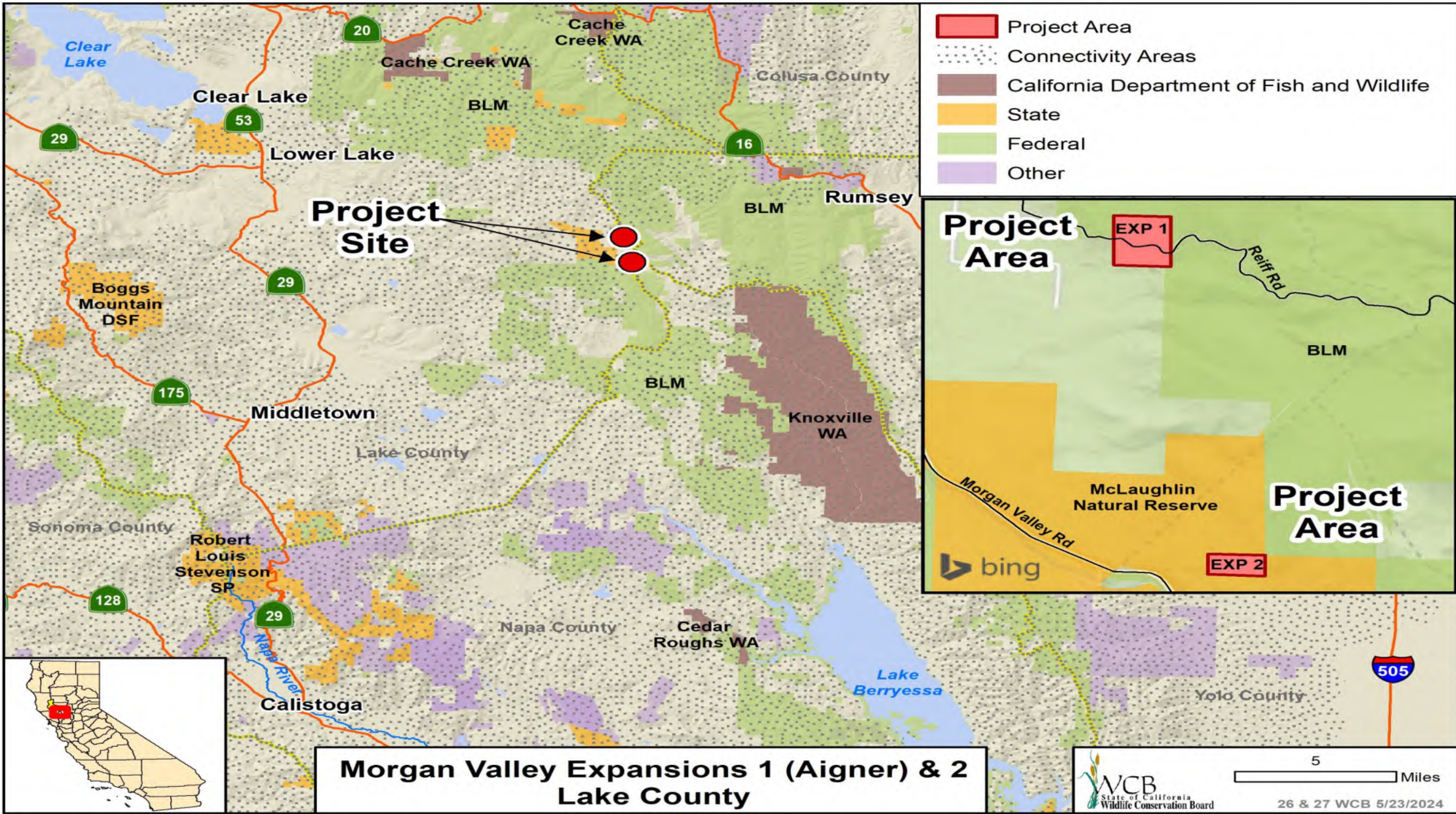


El Dorado and Daugherty Hill Land Management Plans

Slide 4

Typical landscape in the Ervin
Ranch Unit of the proposed El
Dorado Wildlife Area.





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



**Morgan Valley Expansions 1 (Aigner) & 2
Lake County**



5 Miles

Morgan Valley 1 & 2

Slide 1

View of Morgan Valley 1

Photo credit: WCB



Morgan Valley 1 & 2

Slide 2

View of Morgan Valley 2

Photo credit: WCB





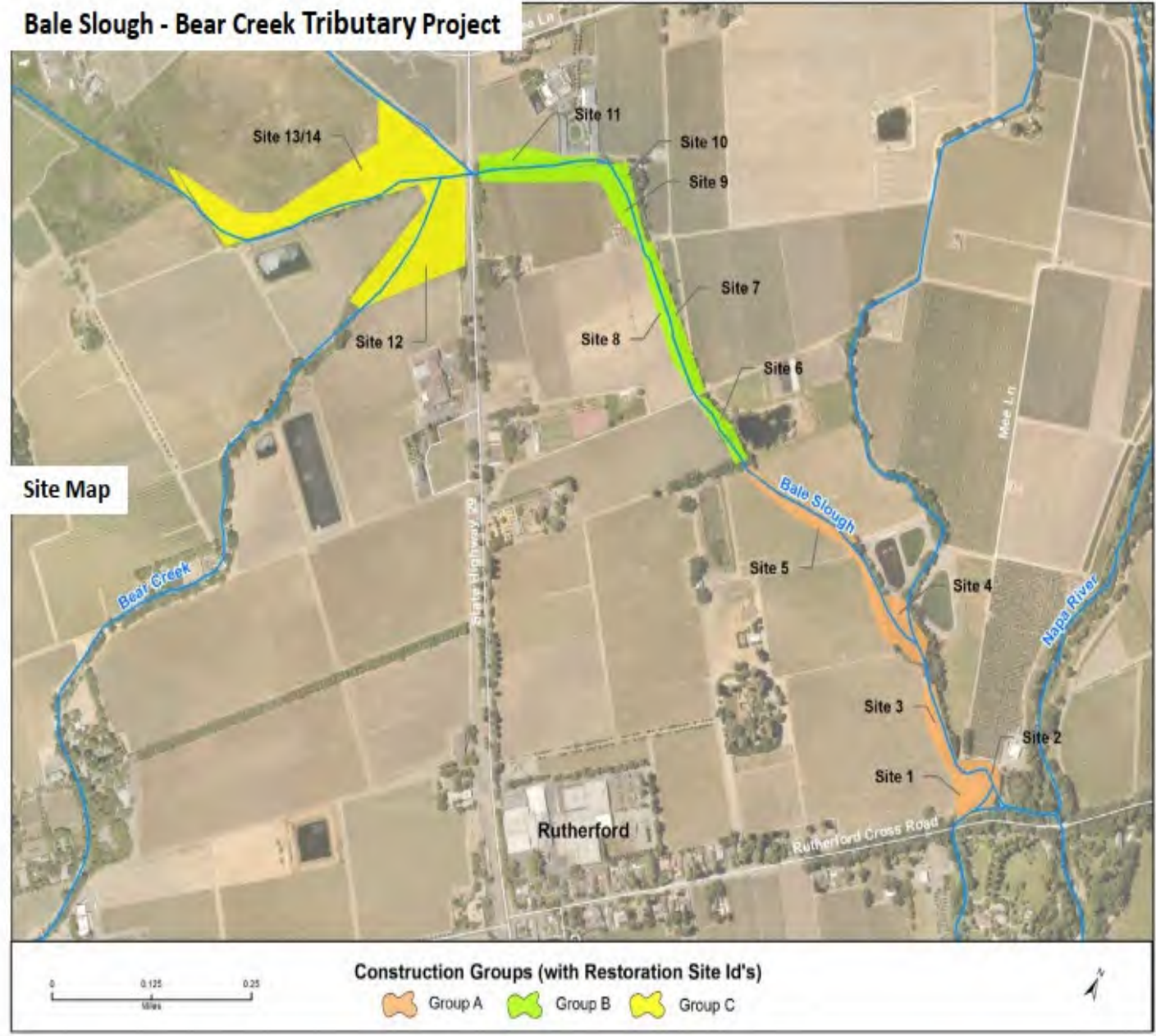
Bale Slough Restoration: Group C

Slide 1

Bale Slough Restoration: Group C

Slide 2

Bale Slough - Bear Creek Tributary Project



Bale Slough Restoration: Group C

Slide 3

Bale Slough showing eroded
and incised stream channel






Bale Slough Restoration: Group C

Slide 4

Bale Slough showing a straightened channel with reduced complexity





Bale Slough
Restoration: Group C

Slide 5

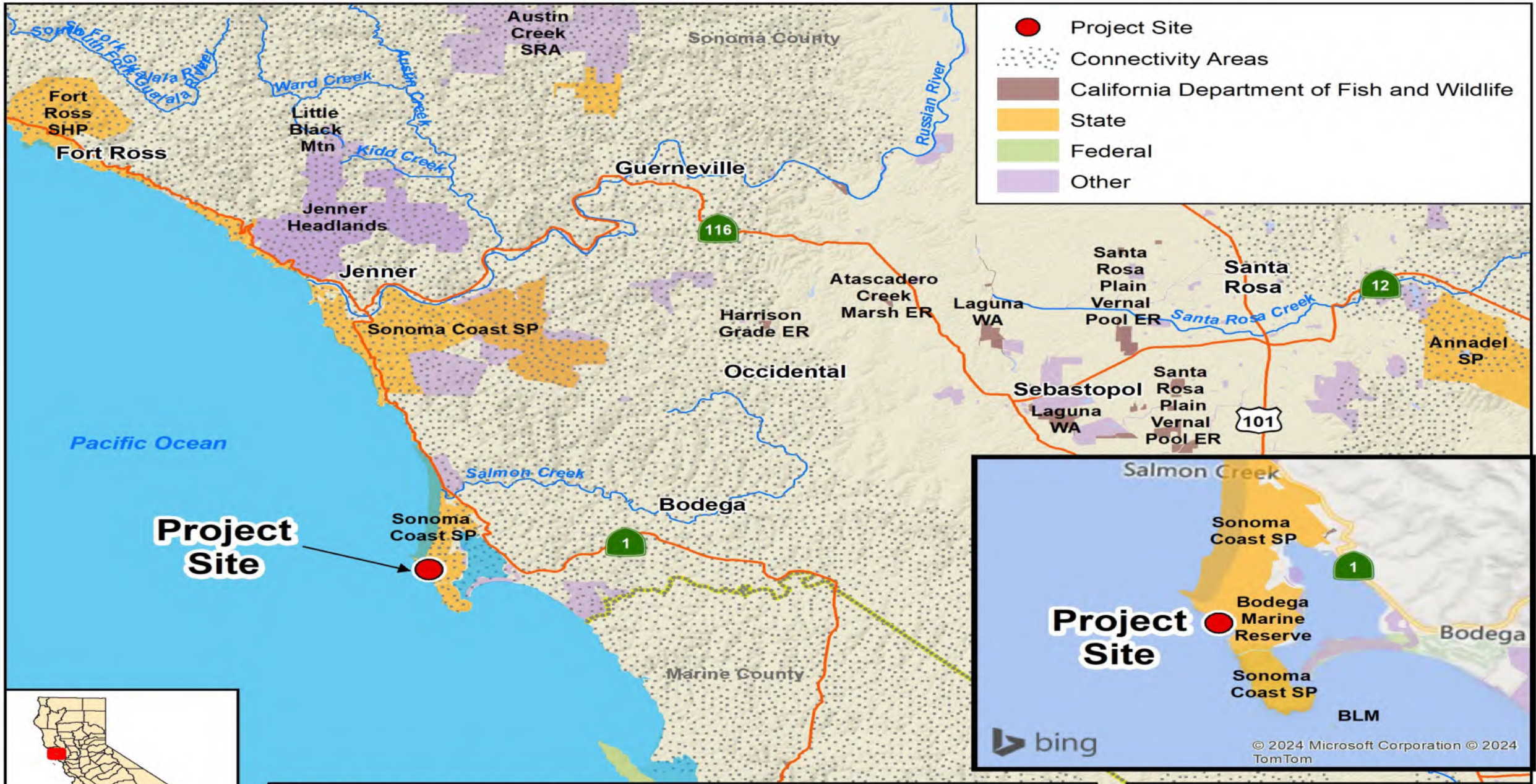
Current restoration
work occurring on Bale
Slough funded by WCB



Bale Slough Restoration: Group C

Slide 6

Current restoration work occurring on Bale Slough funded by WCB



**Bodega Marine Reserve Facilities Improvement
Sonoma County**

Bodega Marine Reserve Reserve Facilities Improvement

Slide 1

Map of the four tasks
proposed in this Project.





Bodega Marine Reserve Facilities Improvement

Slide 2

Left: Inoperable louvered ceiling panels in the greenhouse that were broken during high wind events. As a part of this Project, this will be repaired, in addition to repairing and replacing other components of the greenhouse.

Right: Bodega Marine Reserve's (BMR) terrestrial greenhouse which is used for experimental manipulations, propagating plants for field projects, and processing samples.

Bodega Marine Reserve Facilities Improvement

Slide 3

Left: Broken fence line along the BMR entrance road.

Right: Monterey cypress limbs that are at risk of dropping onto the Reserve's entrance gate. These will be pruned as a part of this project.





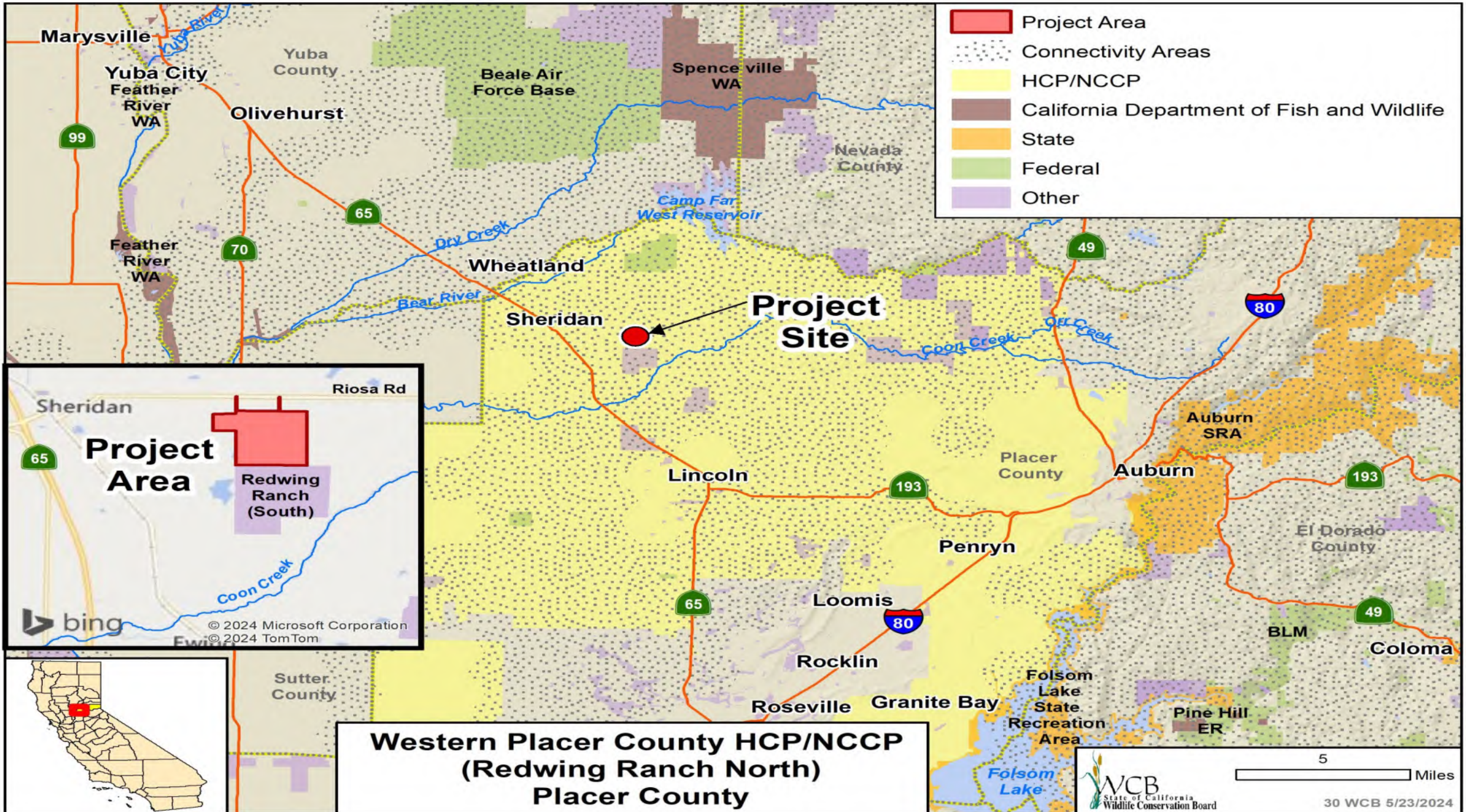
Bodega Marine Reserve Facilities Improvement

Slide 4

Left: View of bluffs from BMR.

Middle: An oceanographic instrument buoy will be deployed as a part of this project which will provide real-time data and allow scientists to track ocean conditions over the long term.

Right: Aerial view of Bodega Marine Laboratory and BMR.



**Western Placer County HCP/NCCP
(Redwing Ranch North)
Placer County**

Western Placer County HCP/NCCCP (Redwing Ranch North)

Slide 1

View of the property facing west

Photo credit: WCB



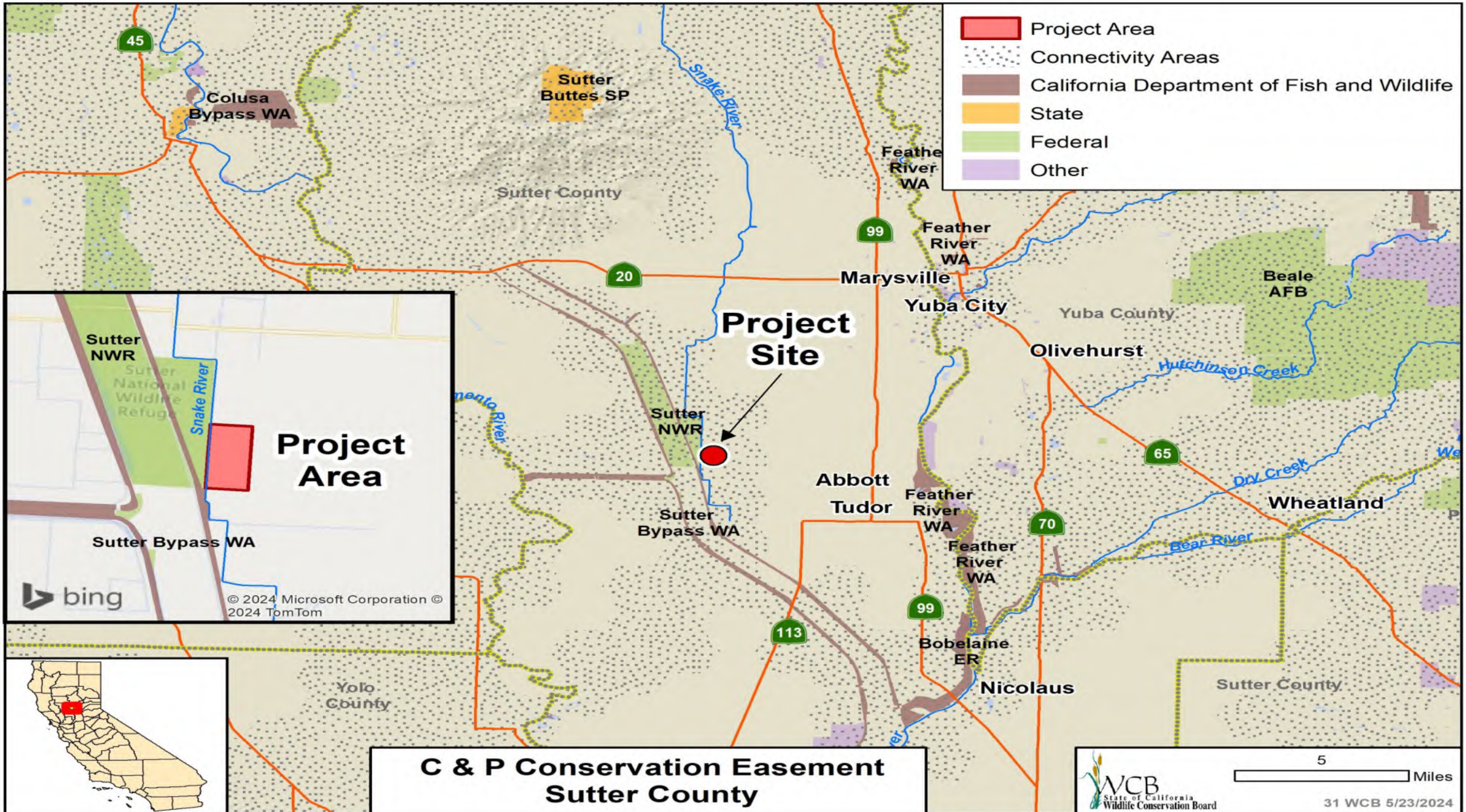
Western Placer
County HCP/NCCCP
(Redwing Ranch
North)

Slide 2

Shrimp in a vernal pool

Photo credit: Sadie Caldas





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

Project Area

Sutter NWR
Sutter National Wildlife Refuge

Snake River

Sutter Bypass WA

bing

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**C & P Conservation Easement
Sutter County**

WCB
State of California
Wildlife Conservation Board

5 Miles

31 WCB 5/23/2024

C & P Conservation Easement

Slide 1

The 313-acre C & P conservation easement is in Sutter County near Sutter National Wildlife Refuge and is an important area to wintering migratory birds.

The project is part of a landscape scale land protection effort supporting migratory birds and the Giant Garter Snake a threatened species due to habitat loss.



Figure 1. C & P Property in Relation to Other Protected Lands and Yuba City Sphere of Influence.

C & P Conservation Easement

Slide 2

This property is primarily characterized by laser-levelled agricultural production.

Rice is grown here, and it is an important crop that makes up much of the energetic needs of wintering migratory birds.

Project will provide an agricultural buffer to wetlands on the Sutter National Wildlife Refuge.

Project will expand connectivity outside the confines of the Sutter Bypass.



Photos Courtesy of Virginia Getz, DU

C & P Conservation Easement

Slide 3

Conservation Easement will require:

- Winter flooding for bird habitat
- Only the production of small grains like rice and other bird friendly crops
- Allow for property to be converted to wetlands in the future
- Prevent future subdivision in an area expanding north from Sacramento and south from Yuba City
- Limit the property's water use to on site uses, CE will not allow the separation of water right



C & P Conservation Easement

Slide 4

Photo of Sutter NWR looking east towards easement property showing bird use during winter.

Pintail, greenwing teal, arctic nesting geese, bitterns, avocets, and ibis are just a few of the birds frequenting Sutter NWR.

Power plant in background is a great example of human encroachment on the refuge.



Arcanum Ranch

A wide-angle photograph of a dense forest landscape. In the foreground, there are several large, leafy trees with bright green foliage. The middle ground shows a valley filled with a mix of coniferous and deciduous trees. In the background, rolling hills are covered in a thick forest, with some peaks appearing hazy under a bright sky.

Slide 1

Conifer/mixed hardwood forest, with scattered redwoods along Arcanum Creek and conserved old-growth in surrounding Mattole River Ecological Reserve.

Arcanum Ranch

Slide 2

Headwaters Mattole River

Left: Anchored wood structures from 2015 project.

Right: Log jam at southern property edge.



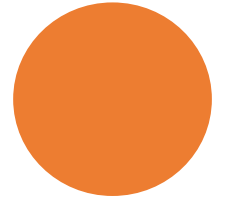
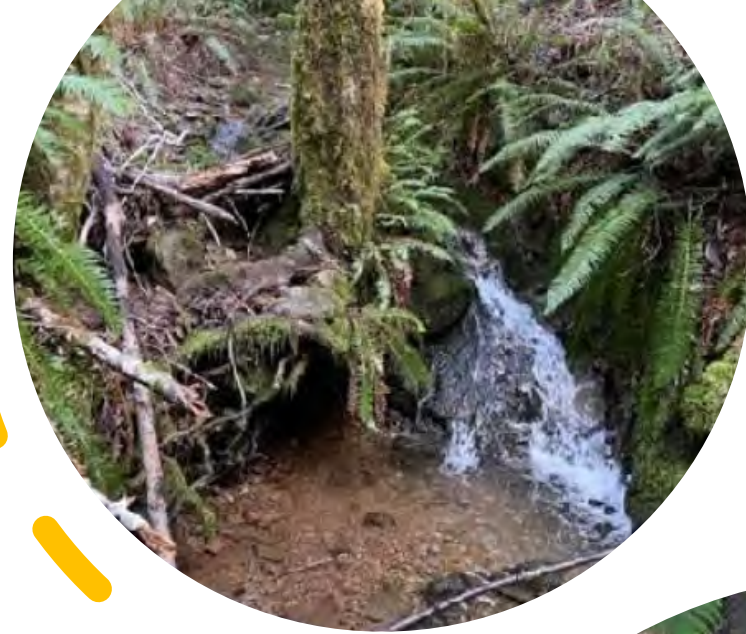


Arcanum Ranch

Slide 4

Arcanum Creek

- Coldwater source to headwaters of Mattole River.
- Mattole headwaters- refuge for 3 threatened salmonids:
SONCC coho, Chinook, and steelhead trout.

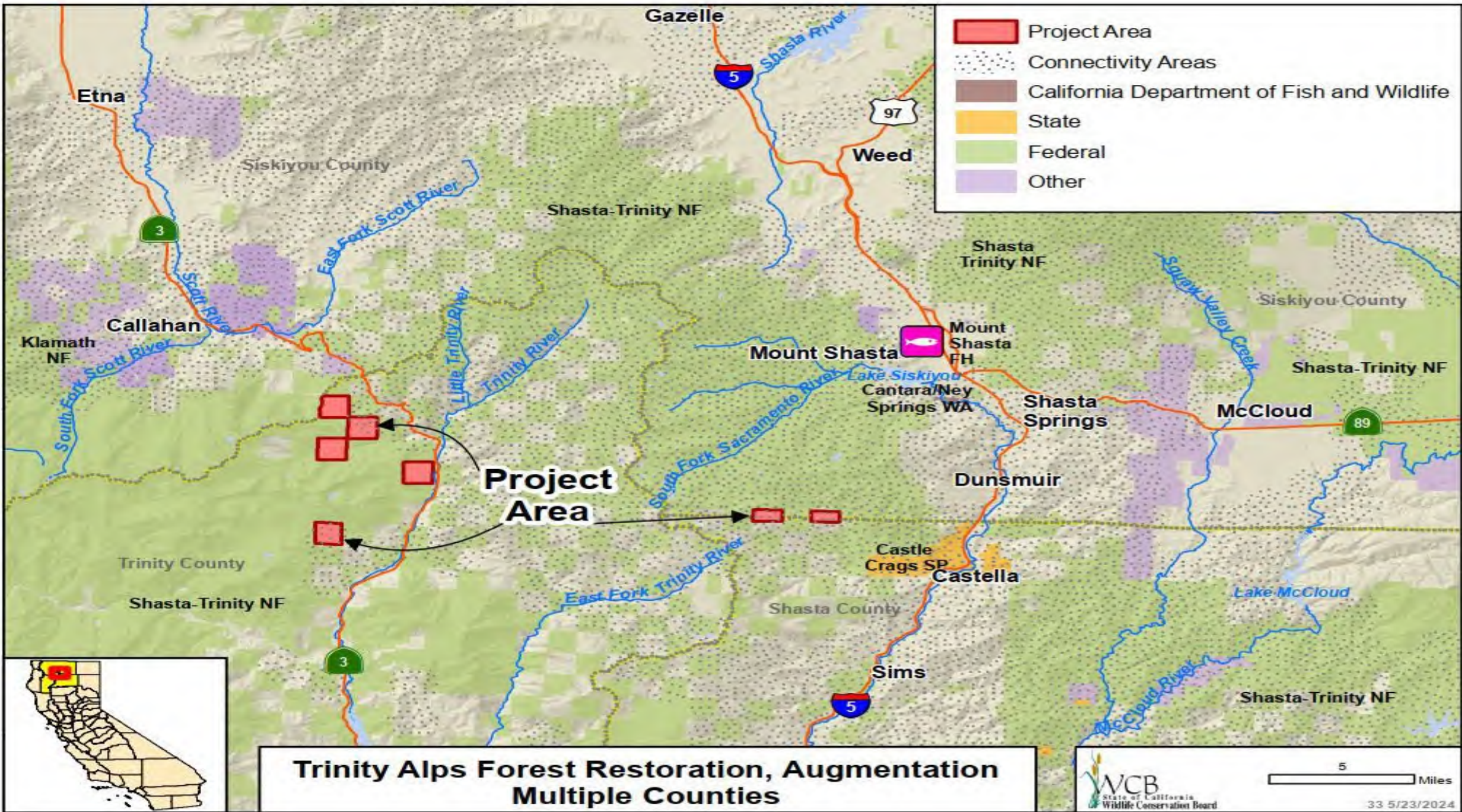




Homestead with pottery studio – grid, solar. Soon to be on SFI Storage & Forbearance Program.

Arcanum Ranch

Slide 5



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



Trinity Alps Forest Restoration, Augmentation Multiple Counties

Trinity Alps Forest Restoration Augmentation

Slide 1

Originally funded project:

November 2022 Board meeting

\$1,835,000

3,500 acres on Sierra Pacific Land & Timber property

Primarily road decommissioning, daylighting stream crossings, and restoration of hydrologic connectivity for riparian and wetland areas.

Restored land to be transferred to U. S. Forest Service.

Right: Mixed conifer stand in Project area



Trinity Alps Forest Restoration Augmentation

Slide 2

What happened:

- Unanticipated monitoring costs
- Changes in labor and material costs since project inception
- USFS requirements for changes in erosion control materials

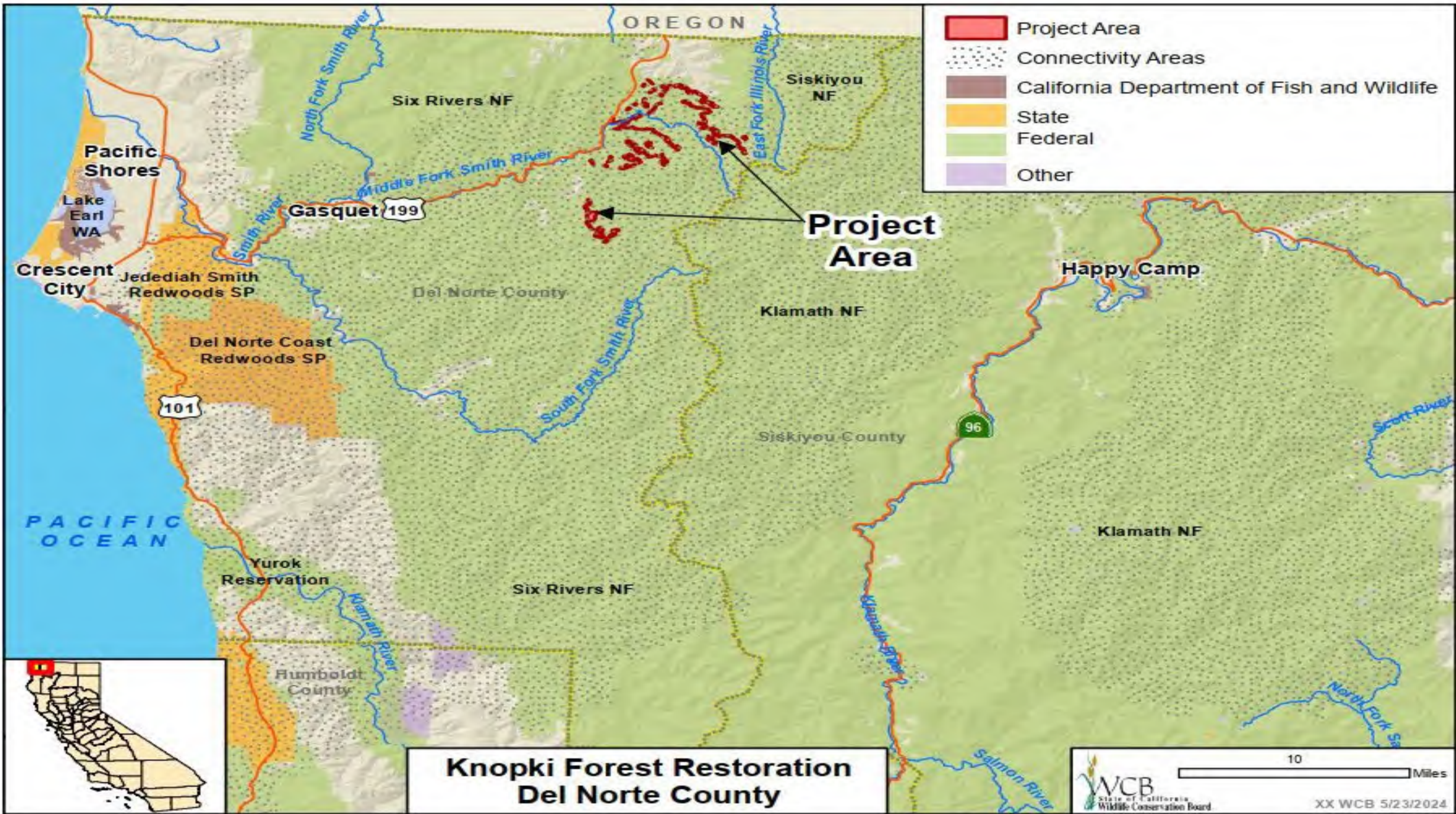
What has been completed/what is remaining:

- Completed: 2,954 acres
- Castle Crags parcels remain; approx. 371 acres

Additional funding requested: \$450,000



Above: Trinity River adjacent to Project site.



Knopki Forest Restoration

Slide 1

Existing Conditions

- Mixed veg types including formerly logged conifer plantations and oak woodlands
- Wildfire impacts
 - Slater fire 2020
 - Multiple burns 1917-1932
- Special Status species:
- U.S. Forest Service Land open to public recreation



Above: Dense conifer unit dominated by small diameter post-logging regrowth.

Knopki Forest Restoration

Slide 2

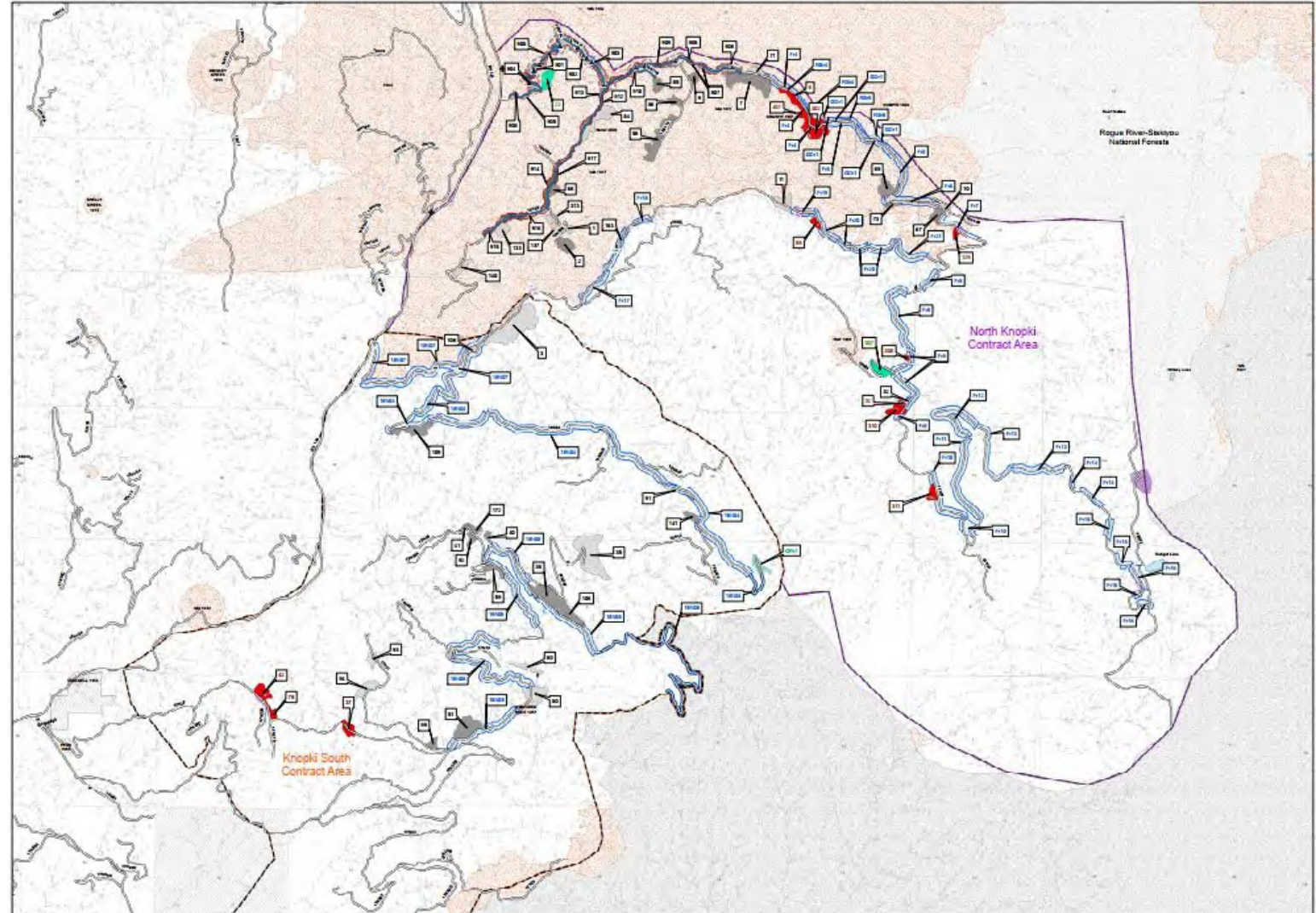
Project Tasks:

313 acres roadside shaded fuel breaks

18 acres timber stand improvement

6 acres oak woodland restoration

14 acres beargrass restoration



Above: Treatment map Knopki Forest Restoration

Conifer stand on Tahoe Forest Gateway property.

Knopki Forest Restoration

Slide 3

Project Outcomes

Increased forest health and resilience.

Management of project area to promote late-seral forest characteristics that are essential habitat.

Implementation of project activities identified by local tribes to enhance culturally significant plant populations (Beargrass & Oak Woodlands).

Application of broadcast burning as a management tool to enhance fire-adapted ecosystems.



Above: Beargrass in wildfire impacted unit.

Advancing Equity and Biodiversity in Southern California Multiple Counties



Advancing Equity and Biodiversity in Southern California

Slide 1

- Environmental Equity and Tribal Entities historically not benefited from conservation resources
- Focus on disadvantaged communities in Southern California Counties
- Outreach, technical assistance and project support

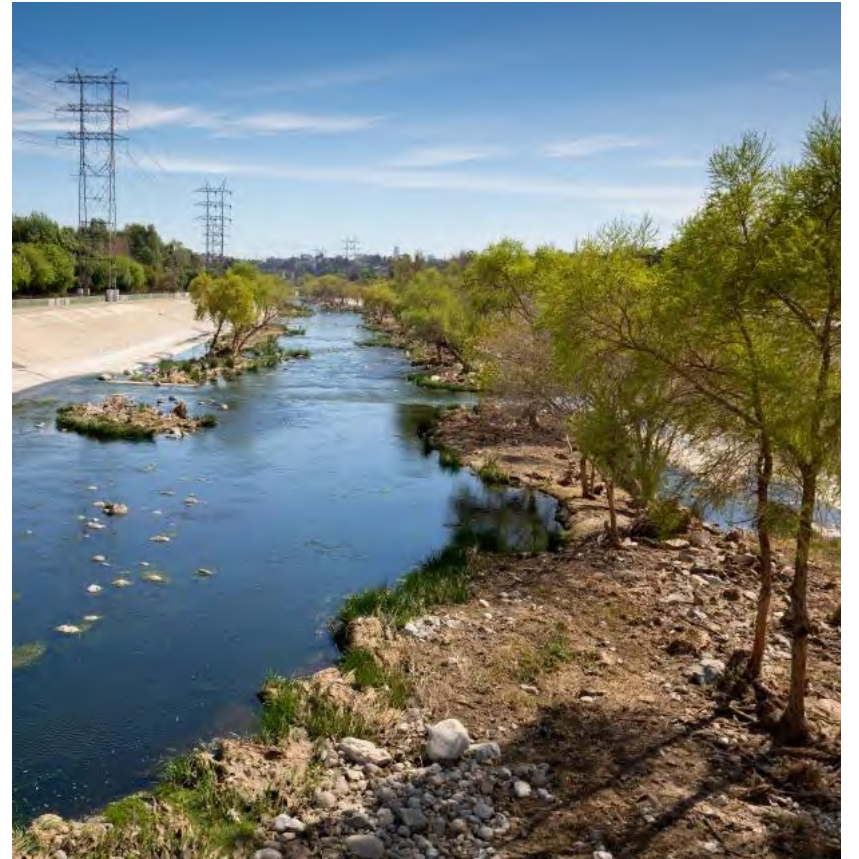


Photo Credit: Ian Shive / @TandemStock

Advancing Equity and Biodiversity in Southern California

Slide 2

Outreach

- Outreach to Prospective Grantees: Community Based Organizations and Technical Assistance Providers
- Workshops and Meetings
- Regional Communications Program with Social Media Products
- Baseline and Follow-up Survey



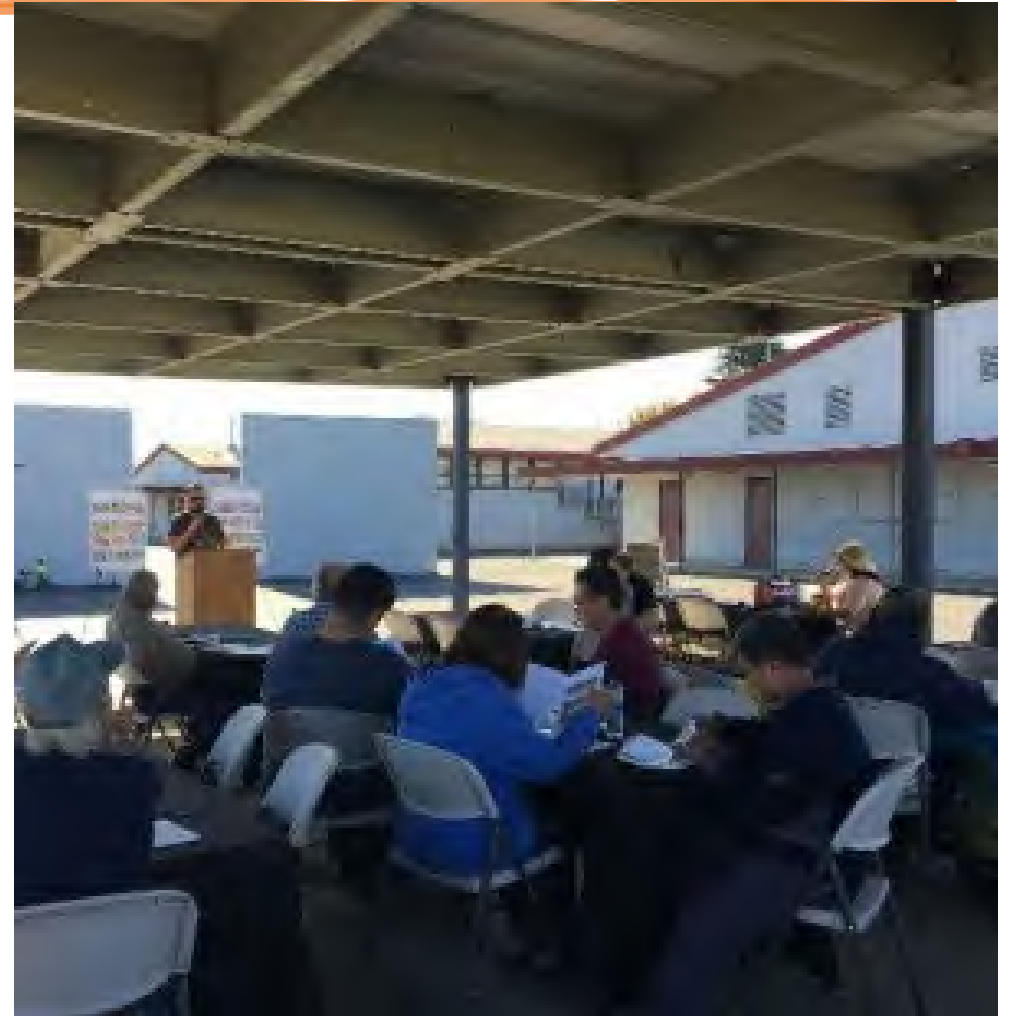
Photo Credit: Resources Legacy Fund

Advancing Equity and Biodiversity in Southern California

Slide 3

Technical Assistance

- Grantee and Project Selection Criteria
- Evaluation Rubric for Project Objectives and Conditions
- Prioritization and Selection of Viable Projects



Advancing Equity and Biodiversity in Southern California

Slide 4

Block Grant Mechanism

- Solicit and Evaluate Project Proposals
- Execute Grant Agreements
- Ongoing Support to Grantees
- Guidance on Final Deliverables



Photo Credit: Resources Legacy Fund

Advancing Equity and Biodiversity in Southern California

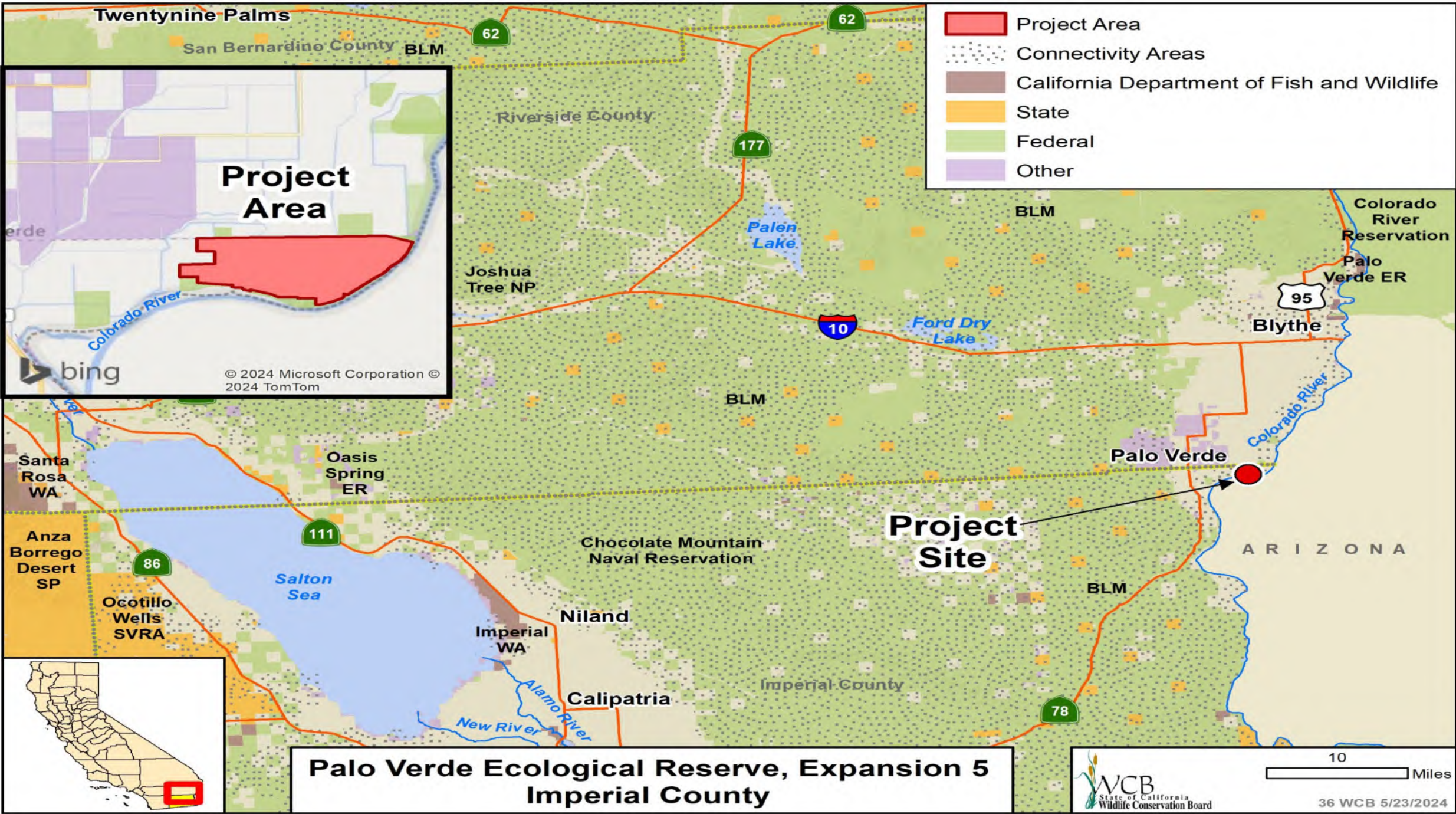
Slide 5

Main Outcomes

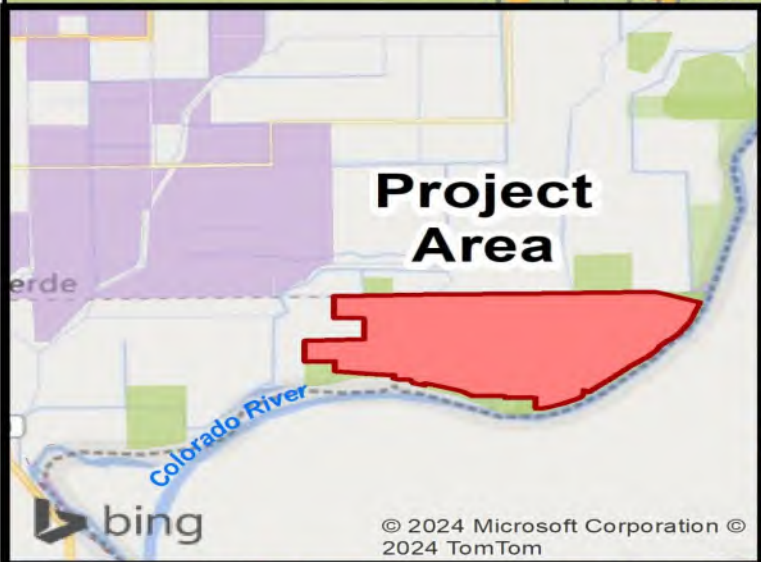
- Engage with a minimum of 6 Community Organizations
- Minimum of 18 Grants
- Minimum 3 Planning Projects Submitted for Funding



Photo Credit: Resources Legacy Fund



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



**Palo Verde Ecological Reserve, Expansion 5
Imperial County**

Palo Verde Ecological Reserve, Expansion 5

Slide 1

Aerial view of subject property





Palo Verde Ecological Reserve, Expansion 5

Slide 2

Aerial view of subject property adjacent to the Colorado River



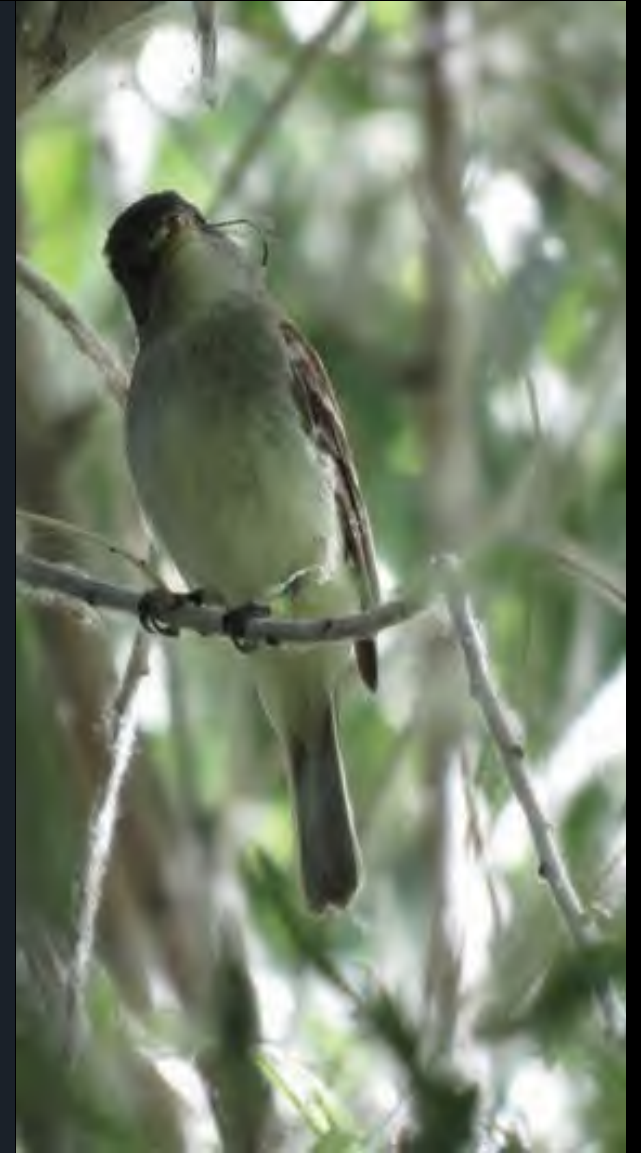


Palo Verde Ecological Reserve, Expansion 5

Slide 3

Left: Great Egret

Right: Southwestern Willow Flycatcher



Palo Verde Ecological Reserve, Expansion 5

Slide 4

Example of restored marsh.

Hart Mine Marsh before and after photos.





Palo Verde Ecological Reserve, Expansion 5

Slide 5

Yuma East Wetlands: LCR MSCP Conservation Area and
Reconnection of the Floodplain to the Colorado River



El Monte Preserve
Cactus Scrub
Restoration
Augmentation

Slide 1

Purpose: Develop 15 acres of habitat critical for the coastal cactus wren, a species prioritized for conservation





El Monte Preserve Cactus
Scrub Restoration
Augmentation
Slide 2

Project site and potential for habitat connectivity:
Proximity to several existing habitat areas with nesting
cactus wrens



El Monte Preserve Cactus Scrub Restoration Augmentation

Slide 3

Left: Project area conditions before restoration

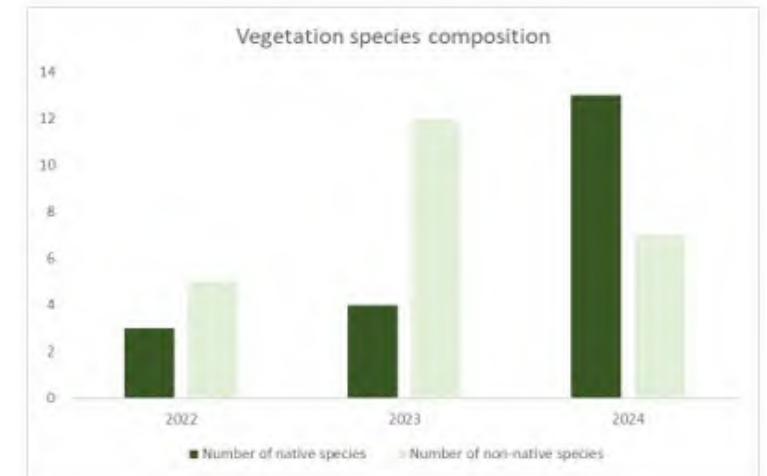
Middle: Post-treatment: Maintenance crew trimming
cactus islands

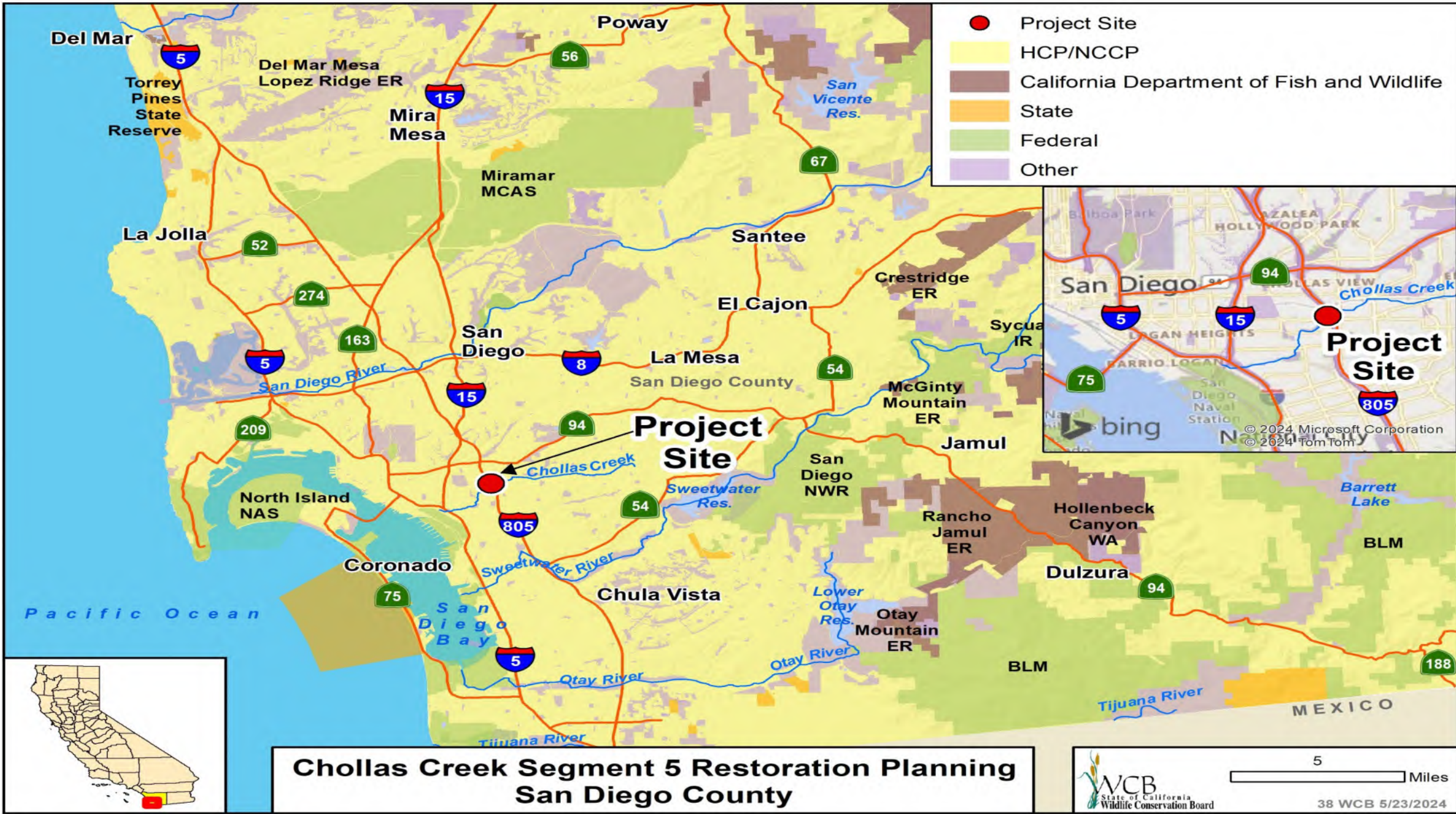
Right: Close-up, cactus islands

El Monte Preserve Cactus Scrub Restoration Augmentation

Slide 4

- Invasive weed outbreaks from unexpected high rains:
- Left: *Brassica tournefortii*
- Center: *Brachypodium*
- Right: Vegetation species composition monitoring results, 2022-2024





**Chollas Creek Segment 5 Restoration Planning
San Diego County**

Chollas Creek Segment 5 Restoration Planning

Slide 1

¼ mile segment of Chollas Creek

- Adjacent to Jackie Robinson Family YMCA

Community of Southeastern San Diego

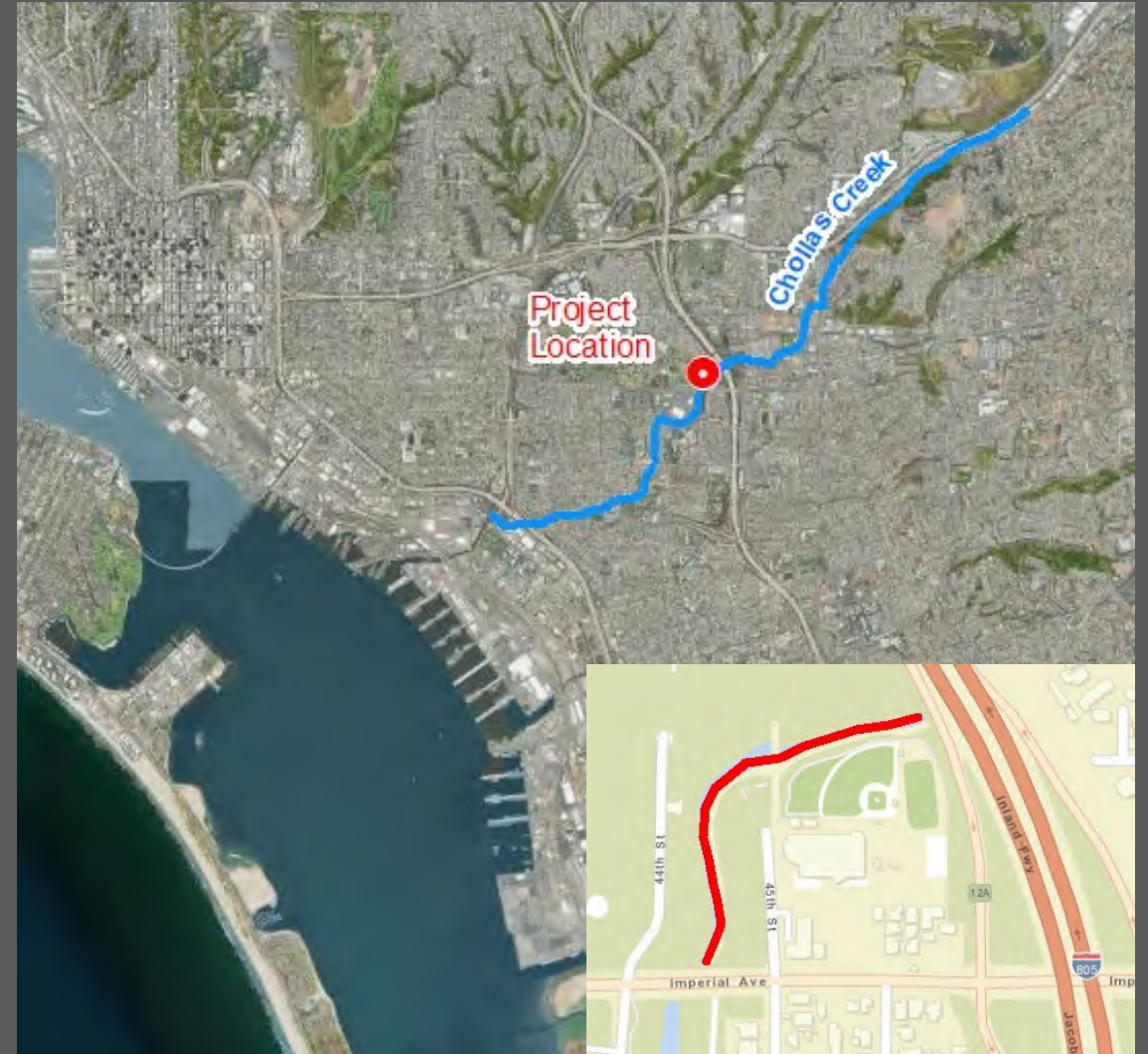
- CalEnviroScreen: 87.9 percentile
- Within DWR DAC adjacent to DWR SDAC

AB 93 - Budget Act of 2015

- \$6,000,000 for the restoration of Chollas Creek

Chollas Creek Riparian Restoration - Planning Project

- Approved June 2, 2016
- Did not provide final designs



Project Location

Chollas Creek Segment 5 Restoration Planning

Slide 2



Looking West



Looking North

Chollas Creek Segment 5 Restoration Planning

Slide 3



Current Project Site Condition

Chollas Creek Segment 5 Restoration Planning

Slide 4

Objectives

Habitat Restoration

- Stream Channel
- Riparian
- Coastal Sage Scrub
- Least Bell's Vireo and California Gnatcatcher

Water Quality and Flood Control

Pedestrian Trail

- Upstream to a planned trail passing under the I-805 freeway
- Downstream to the Bayshore Bikeway, and downtown



Site Map

Chollas Creek Segment 5 Restoration Planning

Slide 5

Project Elements

- Develop final designs
- Conduct public outreach
- Supplemental technical studies
- Finalize and certify a CEQA addendum
- Finalize City of San Diego permits
- Submit applications for regulatory agency permits



Chollas Creek

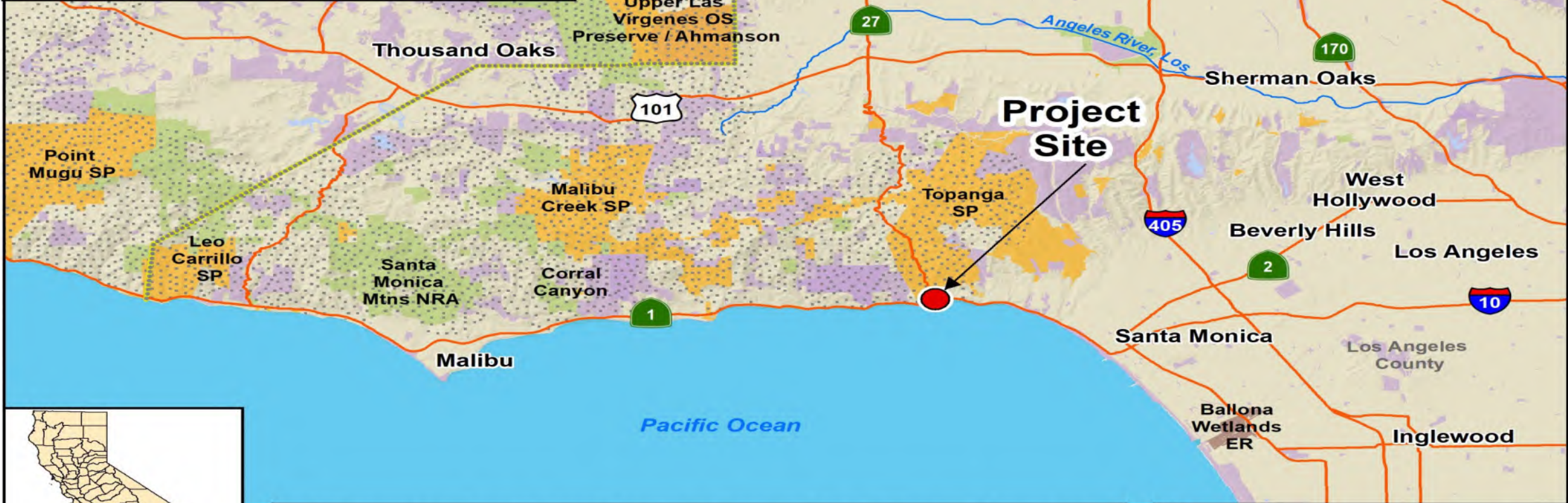
The background features several overlapping, wavy, organic shapes in shades of light green and pale blue, creating a layered, watercolor-like effect. The central focus is a large, light green shape that contains the main text.

Prescott Preserve Ecological Restoration

Withdrawn from consideration at this
time.



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



**Topanga Lagoon Restoration Planning, Phase II
Los Angeles County**

WCB
State of California
Wildlife Conservation Board

5 Miles

40 WCB 5/23/2024

Topanga Lagoon Restoration Planning, Phase 2

Slide 1

Topanga Creek

- Supports three native fish species, over 20 native amphibians and reptiles

18-square mile watershed

- 12,000 acres of public open space in Topanga State Park

Only watershed left in the Santa Monica Bay that supports southern steelhead

Topanga Lagoon begins where Topanga Creek crosses under the Pacific Coast Highway (PCH) Bridge



Topanga Lagoon Restoration Planning, Phase 2

Slide 2



Topanga Lagoon

Topanga Lagoon Restoration Planning, Phase 2

Slide 3

Southern California Steelhead

- Federally Endangered
- National Marine Fisheries Service recovery plan - Core 1 population



Southern Steelhead Trout

Pacific Coast Highway bridge constrains flood flows

- Localized flooding due to obstructions
- Velocity barrier

Federally listed tidewater goby

- Relies upon brackish habitat
- PCH bridge project reduced lagoon size



Tidewater Goby

Topanga Lagoon Restoration Planning, Phase 2

Slide 4



Pacific Coast Highway Bridge at Topanga Lagoon

Budget act of 2022 allocated \$15,000,000 for recovery of southern steelhead trout in the Santa Monica Mountains

Topanga Lagoon Restoration Planning, Phase 1

- Approved February 2023
- 30% designs and CEQA

Phase 2 Elements

Road and Bridge replacement designs to 90%

Public Outreach

Preferred project must meet agency standards

- Caltrans
- State Parks
- LA County Department of Beaches and Harbors needs

Topanga Lagoon Restoration Planning, Phase 2

Slide 5

Project Goals

Expanding the lagoon from 0.56 acres to between 7-10 acres

- Replacing the 79 ft long PCH culvert bridge
- Removing legacy fill placed in the Lagoon

Restoring and enlarging the floodplain/beach area from 29 degraded acres to 35-36 restored acres

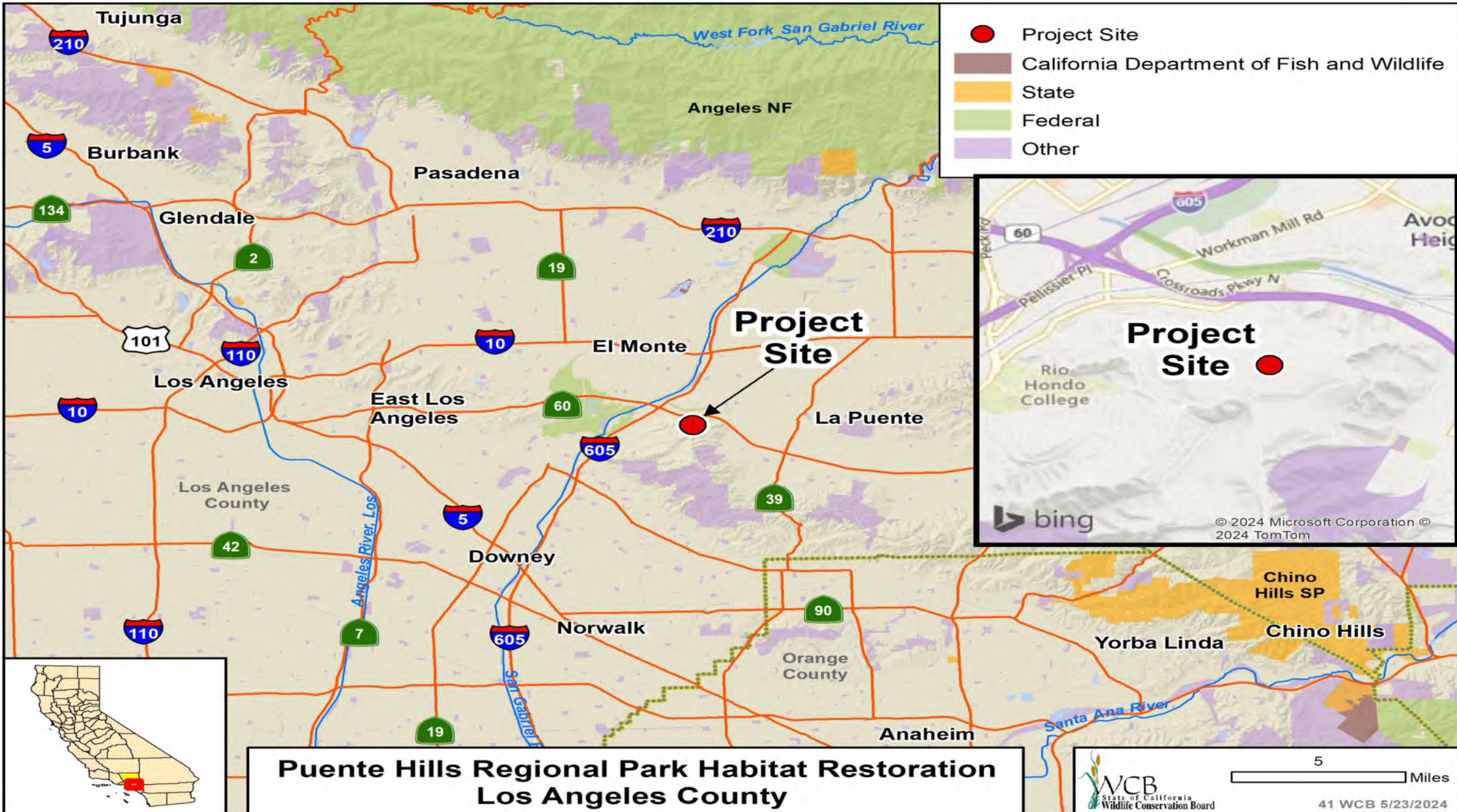
Improved water quality

Increased resiliency to sea level rise

Improved visitor and emergency services



Steelhead Habitat in Topanga Creek Upstream of Topanga Lagoon



Puente Hills Regional Park Habitat Restoration

Slide 1

Located at the former Puente Hills Landfill within the San Gabriel Valley region

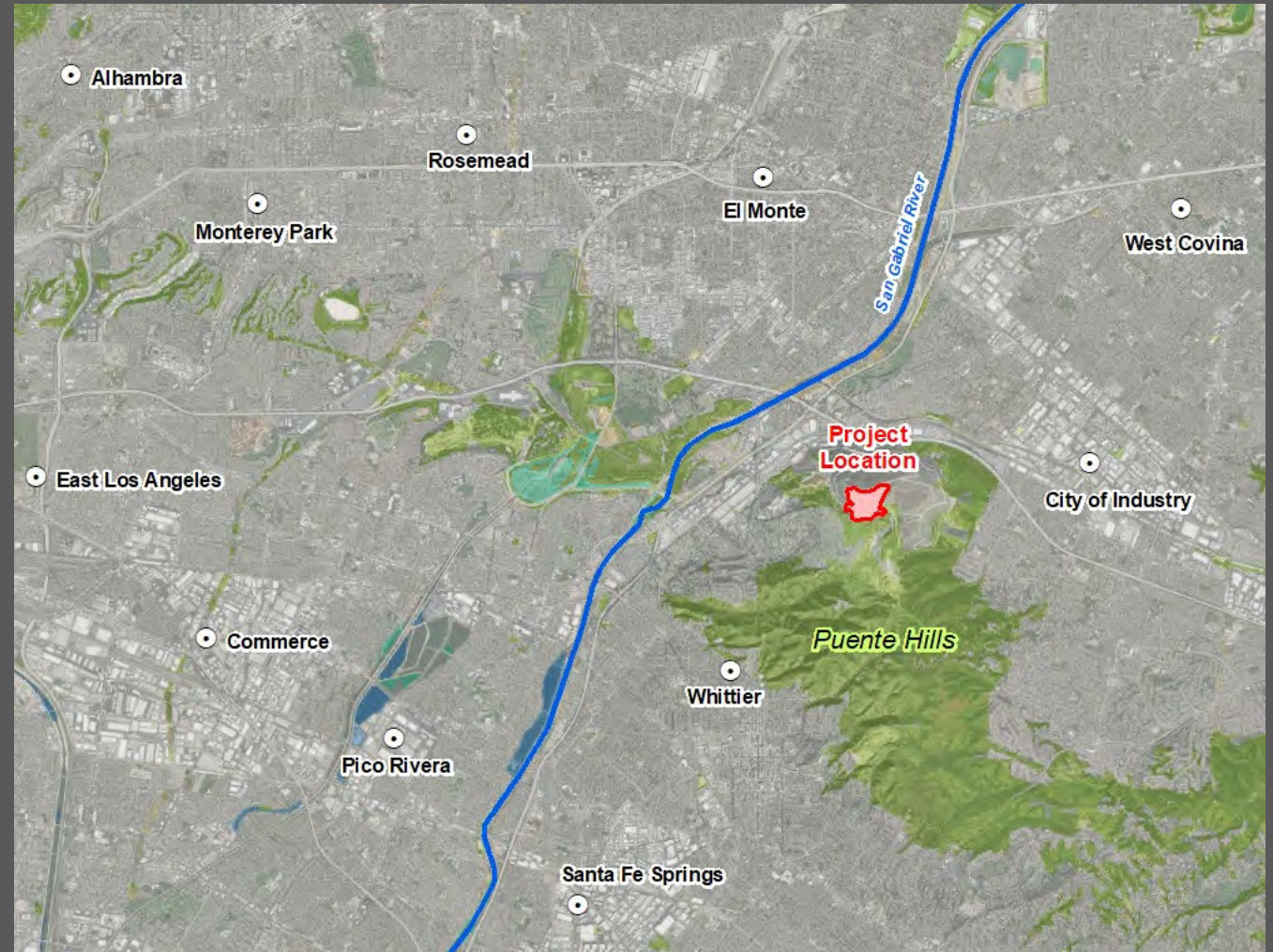
- Nearly 60 years of operations
- Once the second largest landfill in the country

Conversion to the Puente Hills Regional Park

- Los Angeles County's first new regional park in three decades
- Will serve residents of the Inland Empire and Los Angeles County

25-mile service radius

- Majority of the County's park-poor communities
- Fewer than one acre of parkland per 1,000 residents
- Well below the Countywide average of 3.3 acres



Project Location

Puente Hills Regional Park Habitat Restoration

Slide 2



Current Site Condition

Historical Habitat

- Oak-woodland
- Coastal sage scrub
- Chaparral

Tip of the Puente-Chino Hills Wildlife Corridor

- Extends over 30 miles from Project site to Cleveland National Forest

Significant Ecological Area (SEA)

- Area identified for biological value and need for special management

Puente Hills Regional Park Habitat Restoration

Slide 3

Restoration Goals

- 3.6 acres of native grassland
- 19 acres of coastal sage scrub
- 1 acre of white sage scrub
- 8 acres of cactus sage scrub
- 8 acres of chaparral
- Up to 200 large coastal live oak trees



Project Site Map

Puente Hills Regional Park Habitat Restoration

Slide 4



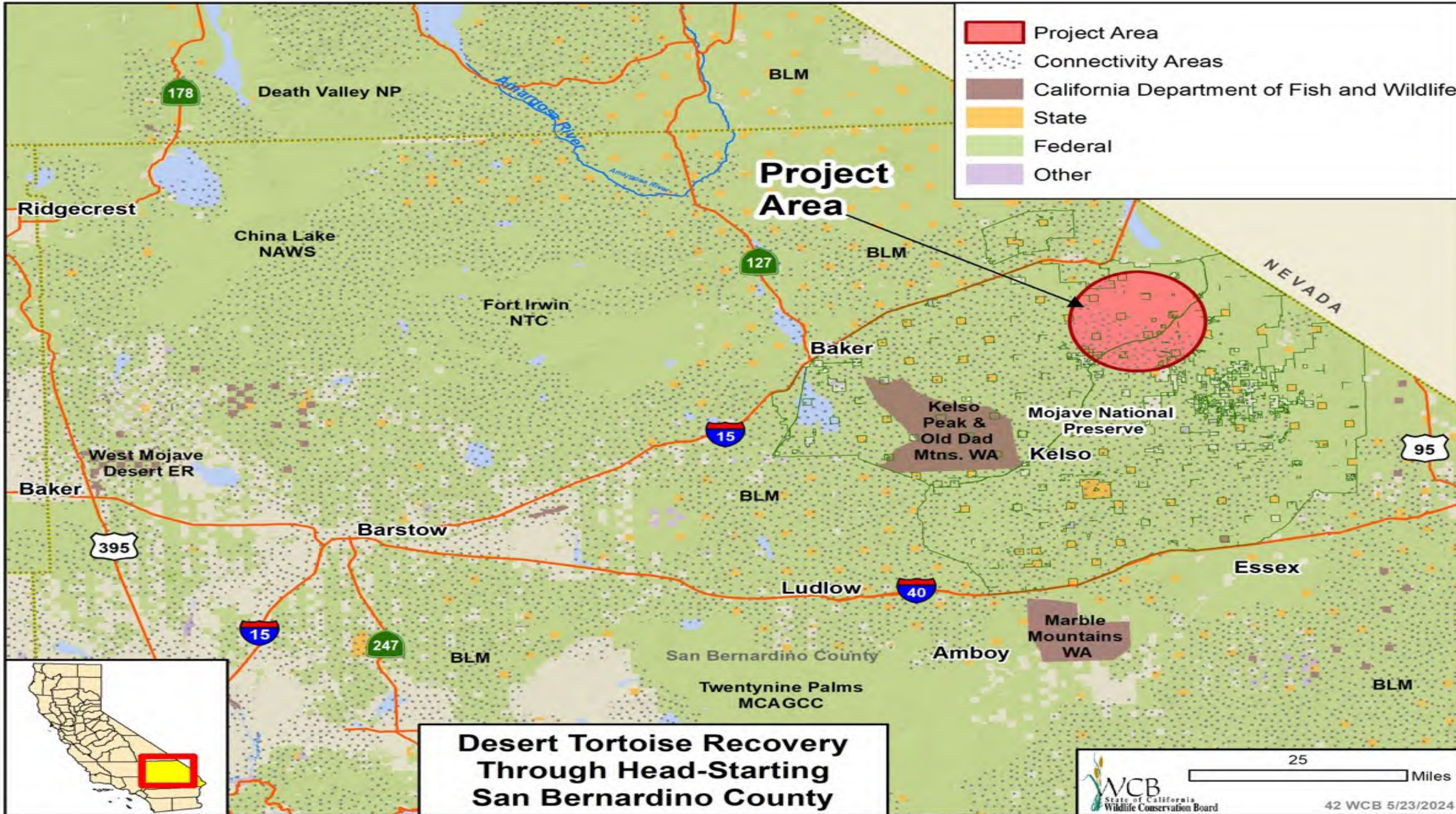
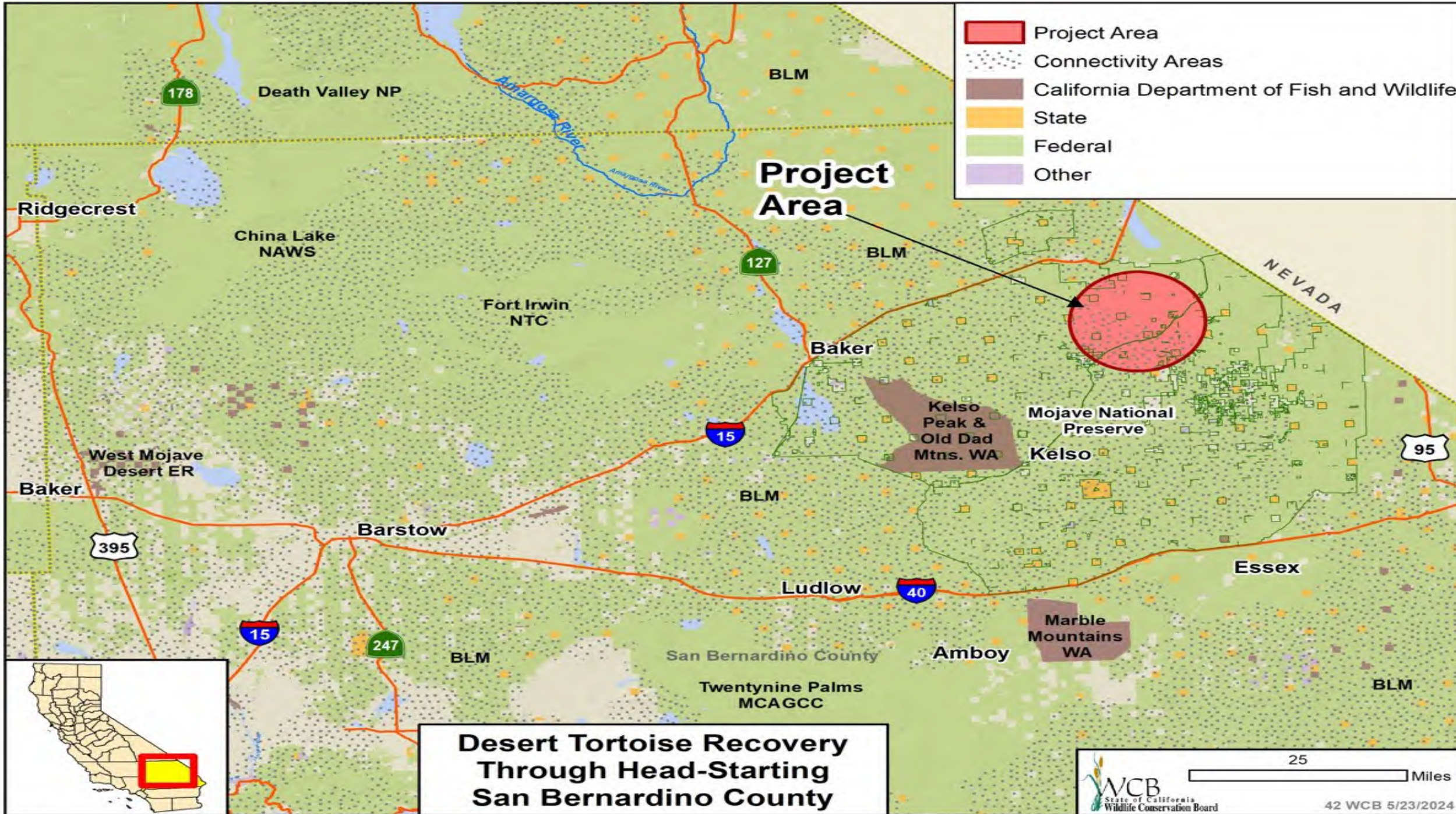
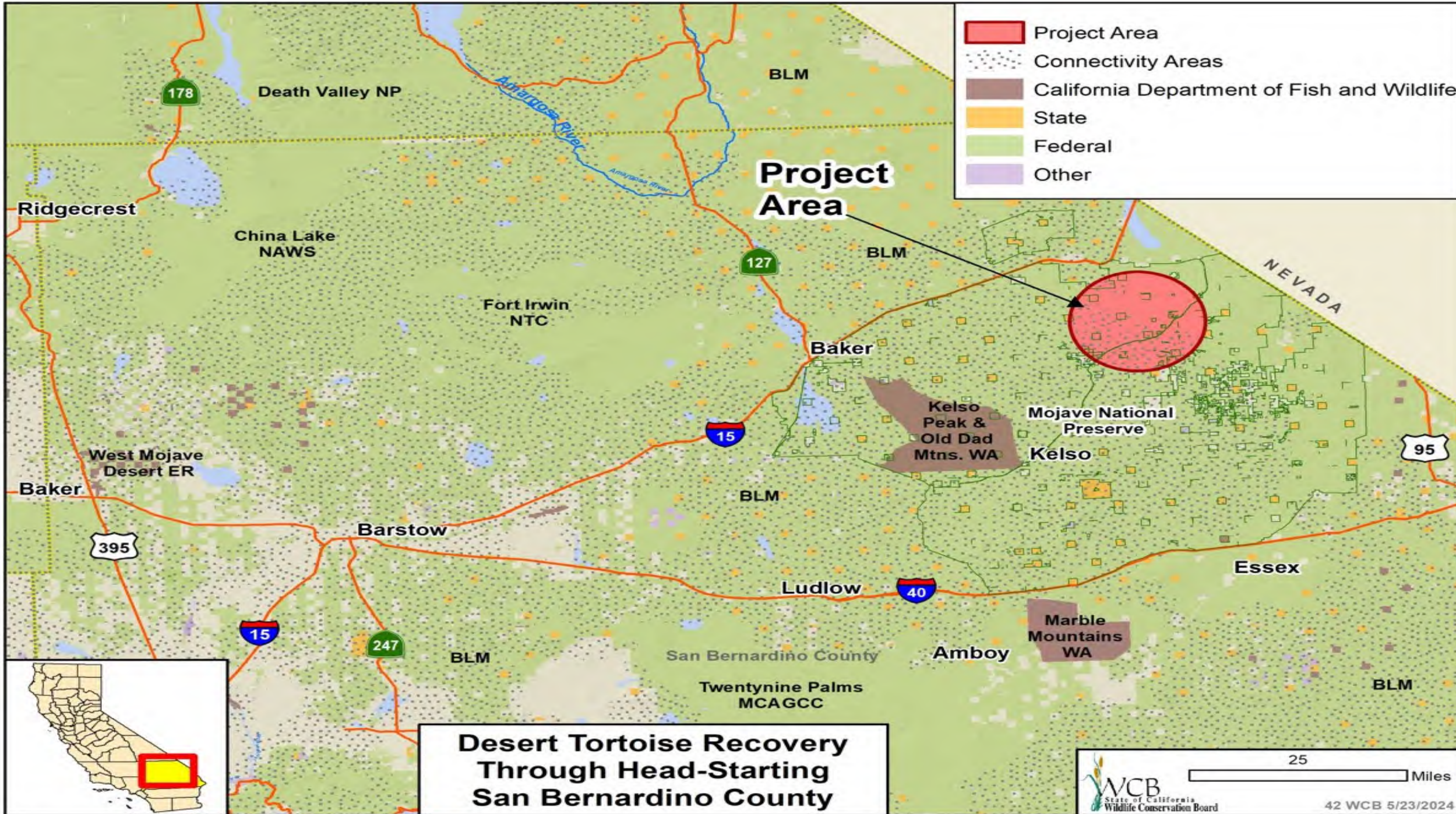
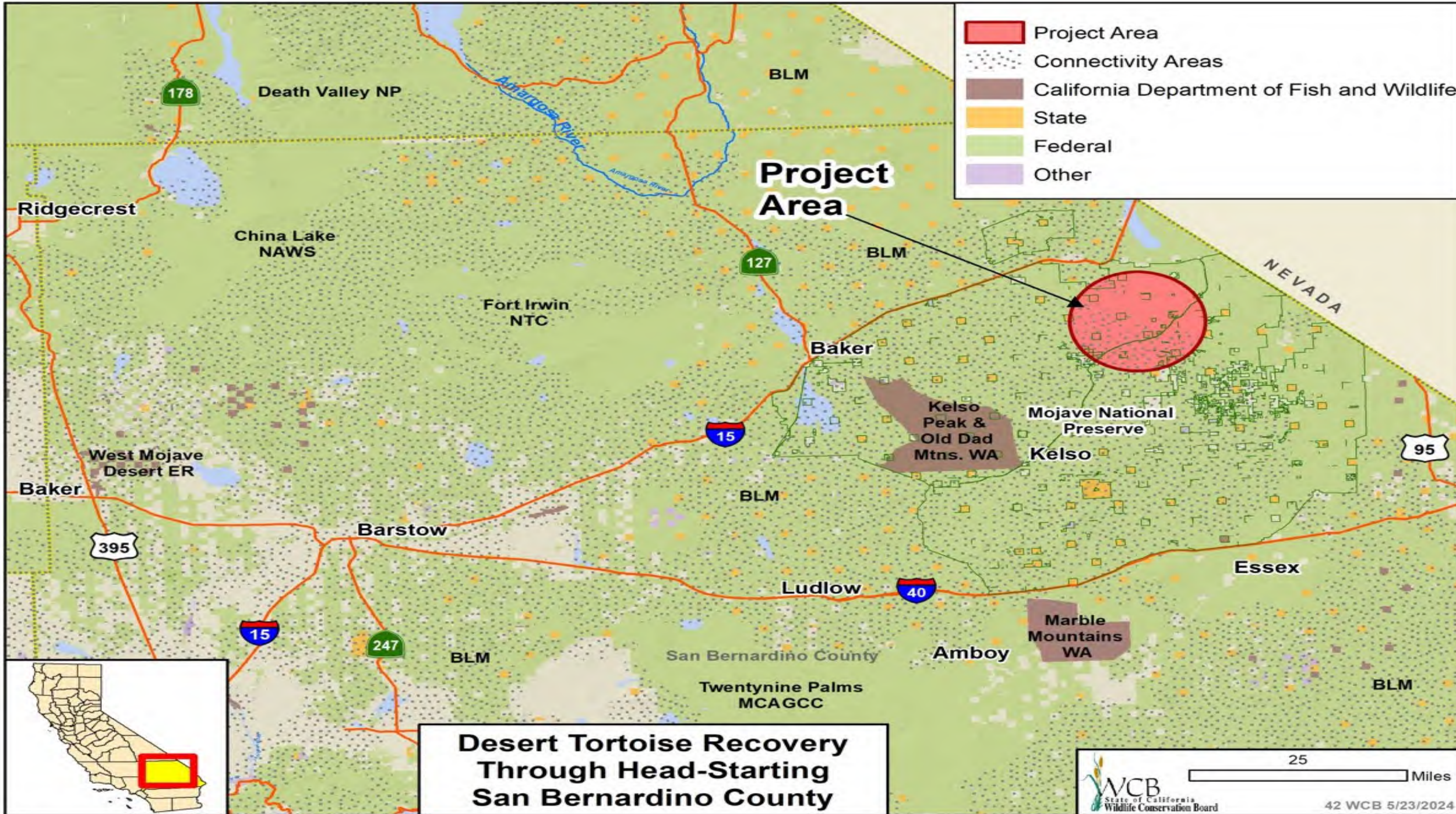
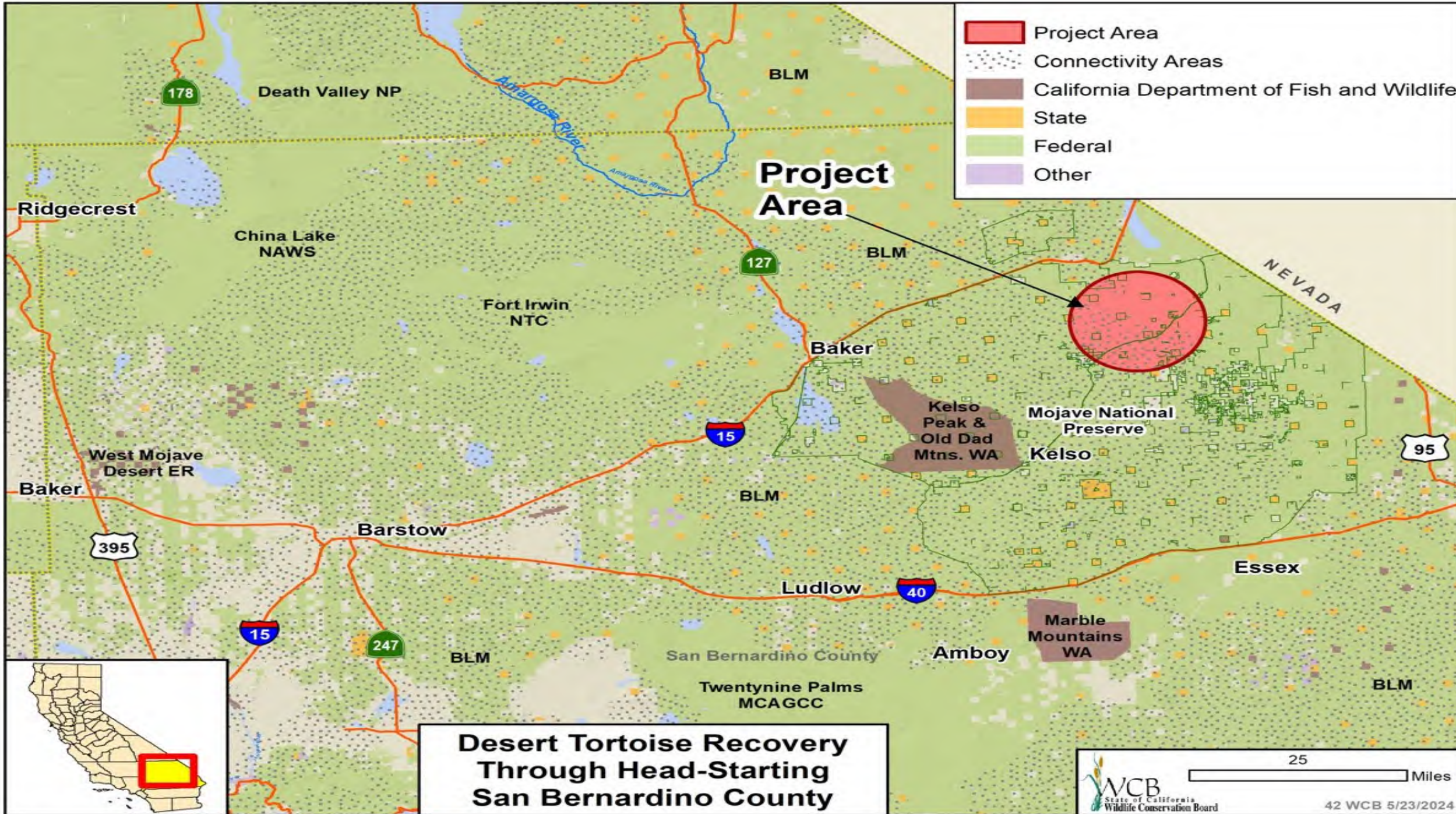
Completed Restoration Conceptual Drawing

Puente Hills Regional Park Habitat Restoration

Slide 5



Recreational Opportunities Conceptual Drawings



Desert Tortoise Recovery Through Head-Starting

Slide 1



Desert Tortoise Recovery Through Head- Starting

Slide 2

Goal of Recovery Actions and Effectiveness Monitoring

- Increase populations in core habitats
- Evaluating the effectiveness of population augmentation actions relative to a control site



Desert Tortoise Recovery Through Head-Starting

Slide 3

Reasons for Decline..



Population declines continue 3–11% annually



Photo credit: Dr. Brian Todd, UC Davis



Photo Credit: Dr. Brian Todd, UC Davis

Desert Tortoise Recovery Through Head-Starting

Slide 4

Head Starting

Picture showing (L to R):

Hatchling, 1-year old outdoor head-started tortoise, 1-year old indoor head-started tortoise

Desert Tortoise Recovery Through Head- Starting

Slide 5

Study Areas

- Control Area
- Wildfire –affected area undergoing restoration
- Higher elevation – climate refugia
- Restored habitat with tortoise fencing



Desert Tortoise Recovery Through Head- Starting

Slide 6

Questions?



Photo Credit: Dr. Brian Todd, UC Davis

Project Site

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

**Beach Ranch
Santa Cruz County**





Beach Ranch

Slide 1

Aerial View of Beach Ranch (left), Pajaro River Estuary (top), Lower Watsonville Slough (center), and Pajaro Dunes (right)

Flood Extent: No Sea Level Rise



Flood Extent: 50 cm (1.6 ft) of Sea Level Rise



Flood Extent: 150 cm (5 ft) of Sea Level Rise



Beach Ranch

Slide 2

Maps showing Flood Extent and Sea Level Rise Scenarios. Data Sources: CoreLogic 2020 (property boundaries), USGS CoSMoS (flood extent), NAIP 2020 (imagery). Maps prepared by The Land Trust of Santa Cruz County.



Beach Ranch

Slide 3

View of flooded farmland on Beach Ranch parcels during winter storms in January 2023. Flood areas are proposed for restoration to estuarine and floodplain habitat. Photo courtesy of The Land Trust of Santa Cruz.

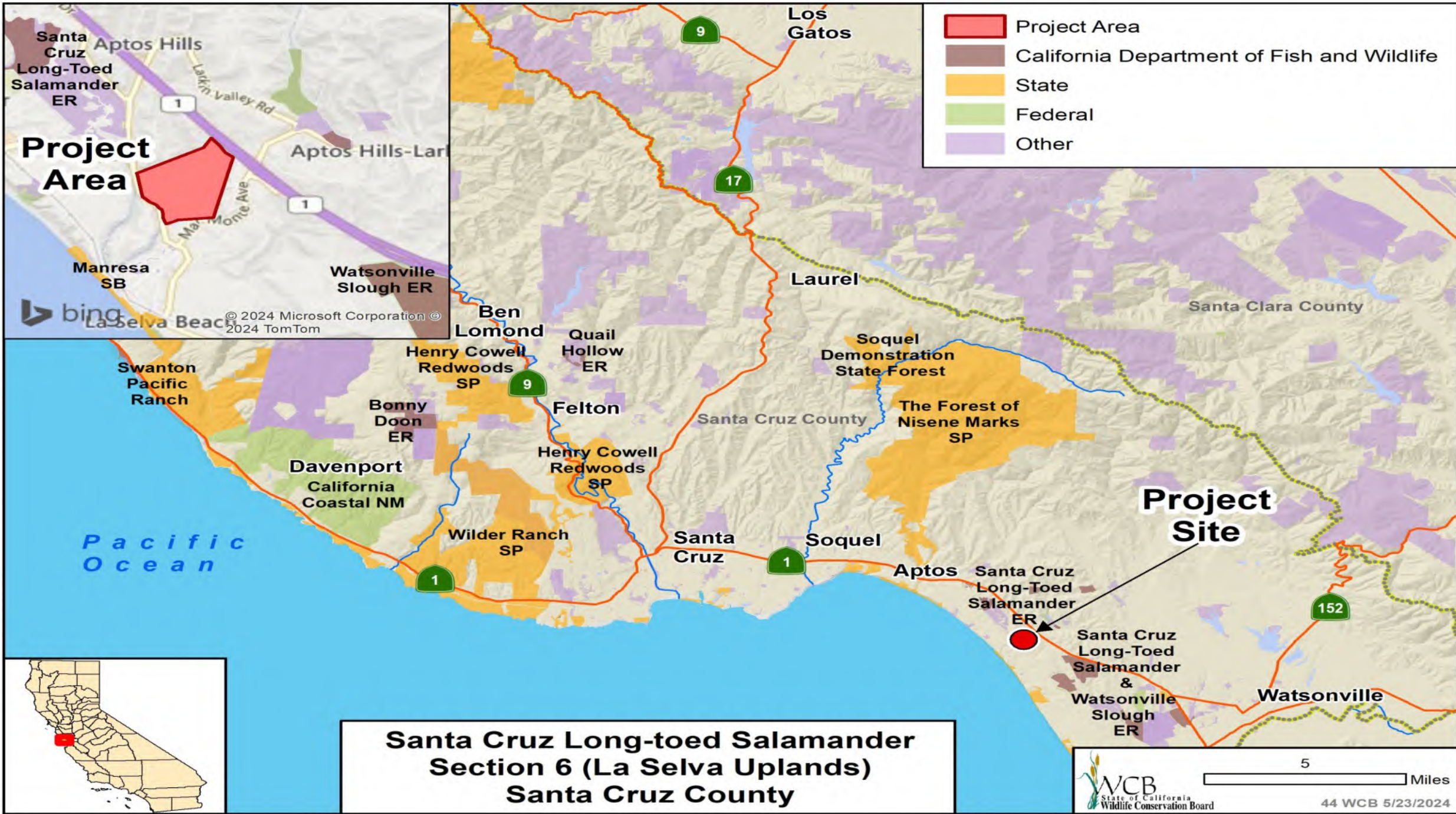
Beach Ranch

Slide 4

Top: View of the Pajaro with the Monterey Bay National Marine Sanctuary in the background. Photo courtesy of State Coastal Conservancy.

Bottom: View from the Pajaro River of Beach Ranch (left) during high water (Winter 2023). Photo courtesy of State Coastal Conservancy.





Project Area

bing © 2024 Microsoft Corporation © 2024 TomTom




Santa Cruz Long-toed Salamander Section 6 (La Selva Uplands) Santa Cruz County

WCB
State of California
Wildlife Conservation Board

5 Miles

44 WCB 5/23/2024



Santa Cruz Long-toed Salamander Section 6 (La Selva Uplands)

Slide 1

Upland oak woodland habitat

Credit: The Land Trust of Santa Cruz County



Santa Cruz Long-toed Salamander Section 6 (La Selva Uplands)

Slide 2

Scrub and coastal prairie habitat

Credit: The Land Trust of Santa Cruz County

Santa Cruz Long-toed Salamander Section 6 (La Selva Uplands)

Slide 3

Seasonal creek through wet meadow in northern valley

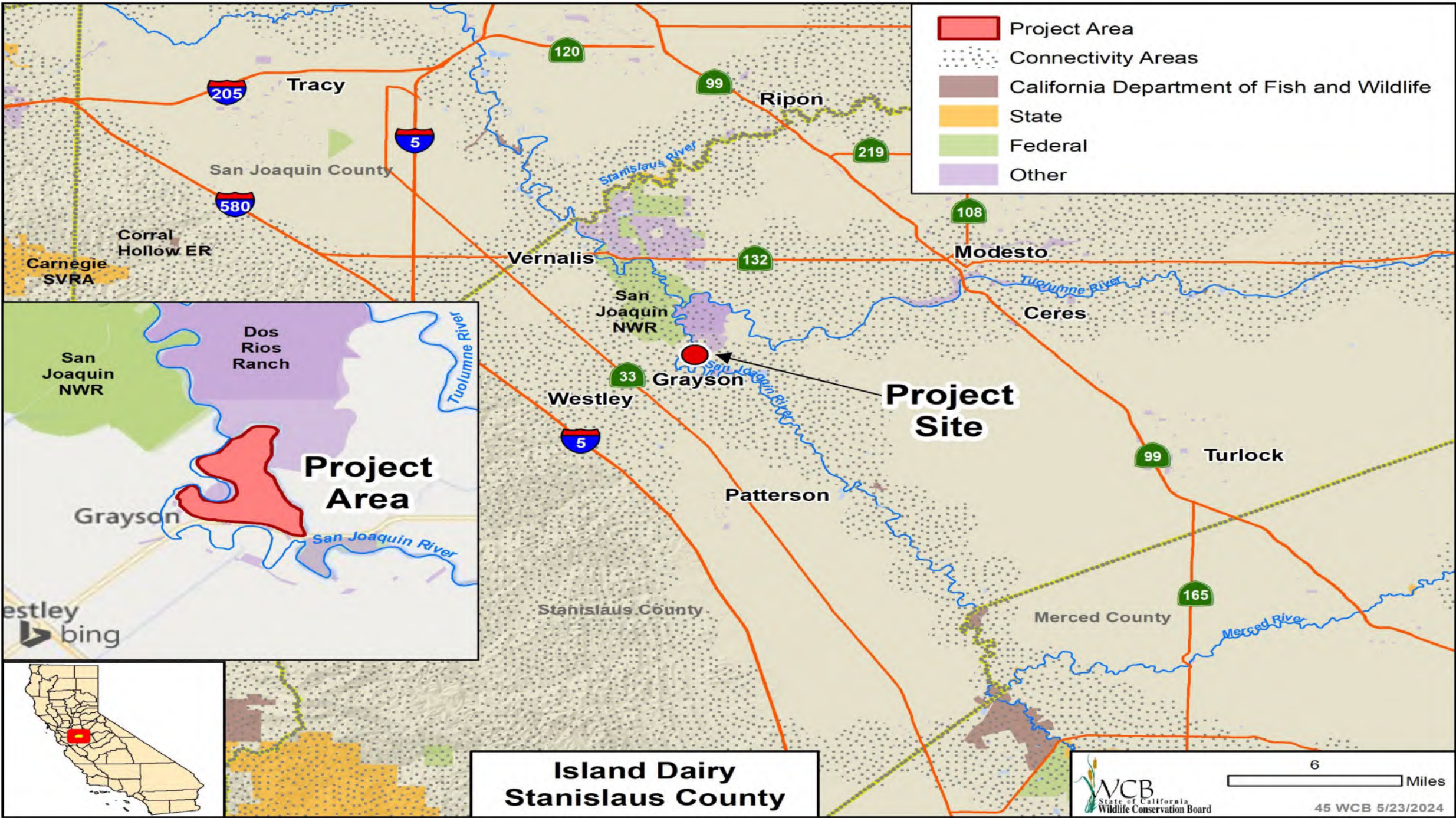
Credit: The Land Trust of Santa Cruz County





Santa Cruz Long-toed Salamander Section 6 (La Selva Uplands)

Santa Cruz long-toed salamander
Credit: USFWS



**Island Dairy
Stanislaus County**





Island Dairy

Slide 1

The 482-acre Island Dairy property is in Stanislaus County surrounded almost entirely by water, with the historic San Joaquin River channel to the west and Laird Slough to the east.

Located at the nexus of over 10,000 acres of conserved lands known as the Dos Rios Ranch and San Joaquin National Wildlife Refuge at the confluence of the Tuolumne and San Joaquin Rivers.



Photo Courtesy of Maggie Blankinship, River Partners

Island Dairy

Slide 2

This property is primarily utilized for crop production and dairying operations.

Upon restoration the property will be comprised of upland, riparian, and floodplain habitat types that consists of wetlands, native grasslands, vernal pools, and riparian forests.



Photos Courtesy of Maggie Blankinship, River Partners

Island Dairy

Slide 3

Property will contribute significantly to habitat connectivity in the San Joaquin Valley due to its location adjacent to the San Joaquin River National Wildlife Refuge, Hidden Valley Dairy and Dos Rios Ranch. With the potential transition of Dos Rios Ranch to State Parks management.

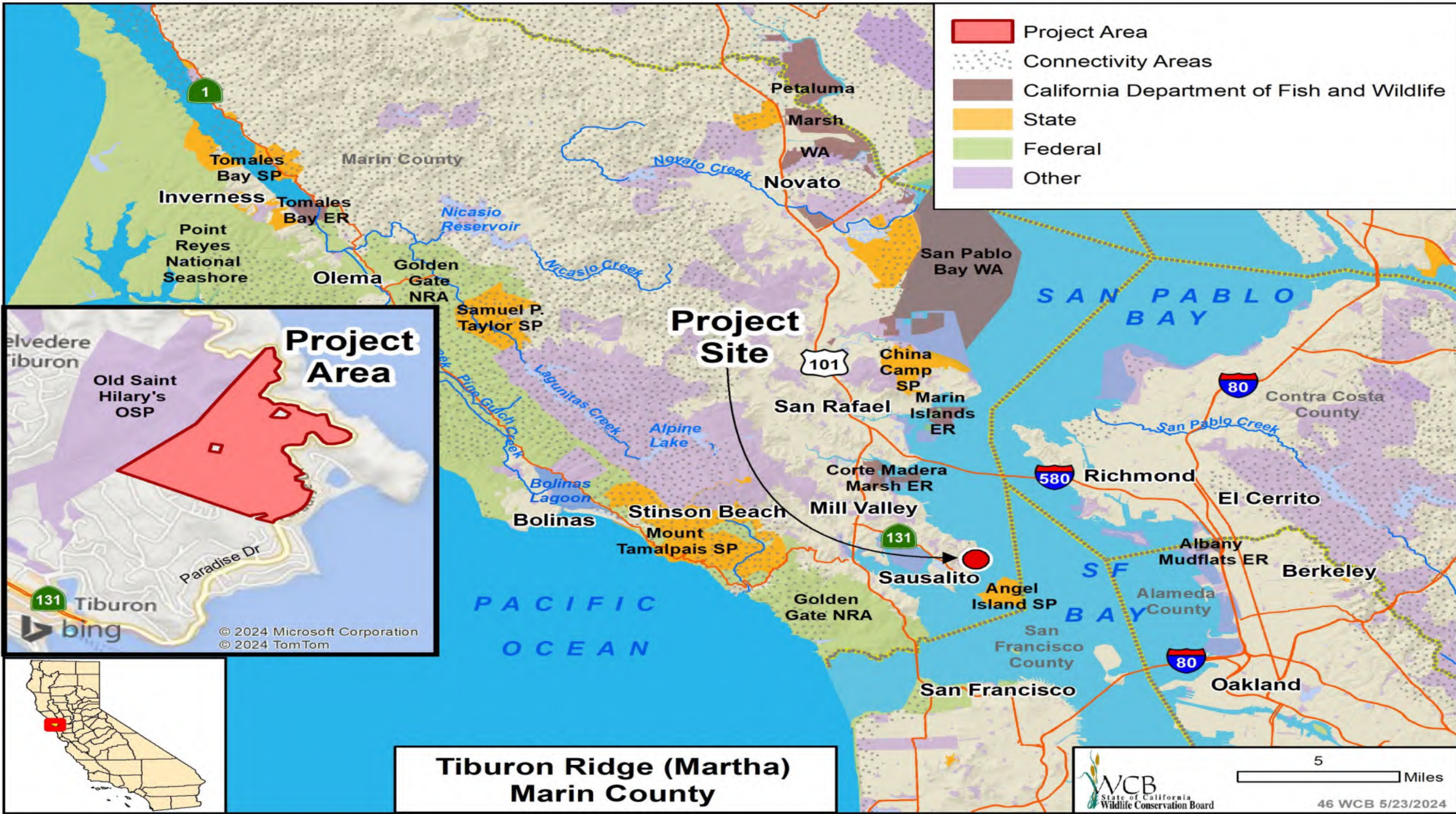


Island Dairy

Slide 4

Photo: View of the San Joaquin River from Island Dairy.

Restoration of property will target Chinook salmon, green sturgeon, Sacramento splittail, riparian brush rabbit, riparian woodrat, western blue pond turtle, Valley longhorn elderberry beetle, least Bell's vireo, Swainson's hawk, tricolor blackbird, and migratory bird species.



**Tiburon Ridge (Martha)
Marin County**

Tiburon Ridge (Martha)

Slide 1

- Connectivity and trail map.
- Property identified in orange.



Detail map

TIBURON RIDGE, MARIN COUNTY, CALIFORNIA

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Tiburon Ridge (Martha)

Slide 2

Photo courtesy of Trust for
Public Land



Looking southeast from the extension of Ridge Trail on the property.

Tiburon Ridge (Martha)

Slide 3

Photo courtesy of Trust for
Public Land



View of Martha's property as seen from Angel Island State Park across Racoon Strait.

© Jocelyn Knight

Tiburon Ridge (Martha)

Slide 4

Photo courtesy of Trust for
Public Land



Looking south towards Angel Island State Park with the City of San Francisco in the background.

Tiburon Ridge (Martha)

Slide 5

- Aerial view of Property
- Photo courtesy of Trust for Public Land



The 110-acre Martha Property is located on the North Bay at the southern end of the Tiburon Peninsula.

Tiburon Ridge (Martha)

Slide 6

- Oak Woodlands
- Photo courtesy of Jocelyn Knight



©Jocelyn Knight
Looking north toward the high point of St. Hilary Preserve. Oak woodland in foreground.

Tiburon Ridge (Martha)

Slide 7

Photo courtesy of Jocelyn
Knight



Looking southward towards Angel Island over Keil Cove (far left) and the “Lands of Keil” (middle right). San Francisco is to the right of the frame. The East Bay is to the left of the frame.

Tiburon Ridge (Martha)

Slide 8

Photo courtesy of Trust for
Public Land



Looking southwest from Old St. Hilary Preserve towards San Francisco and Golden Gate Bridge.

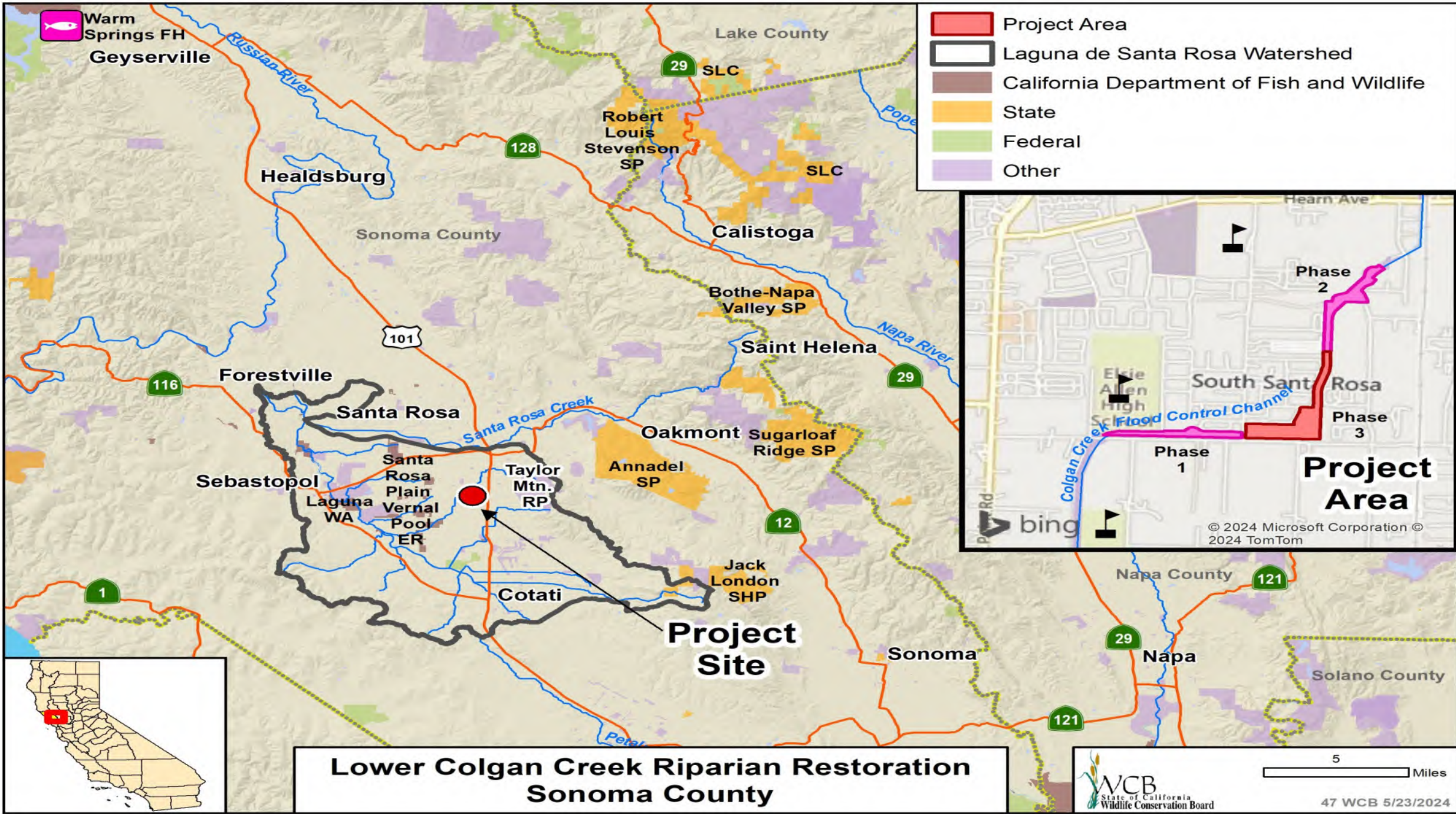
Tiburon Ridge (Martha)

Slide 9

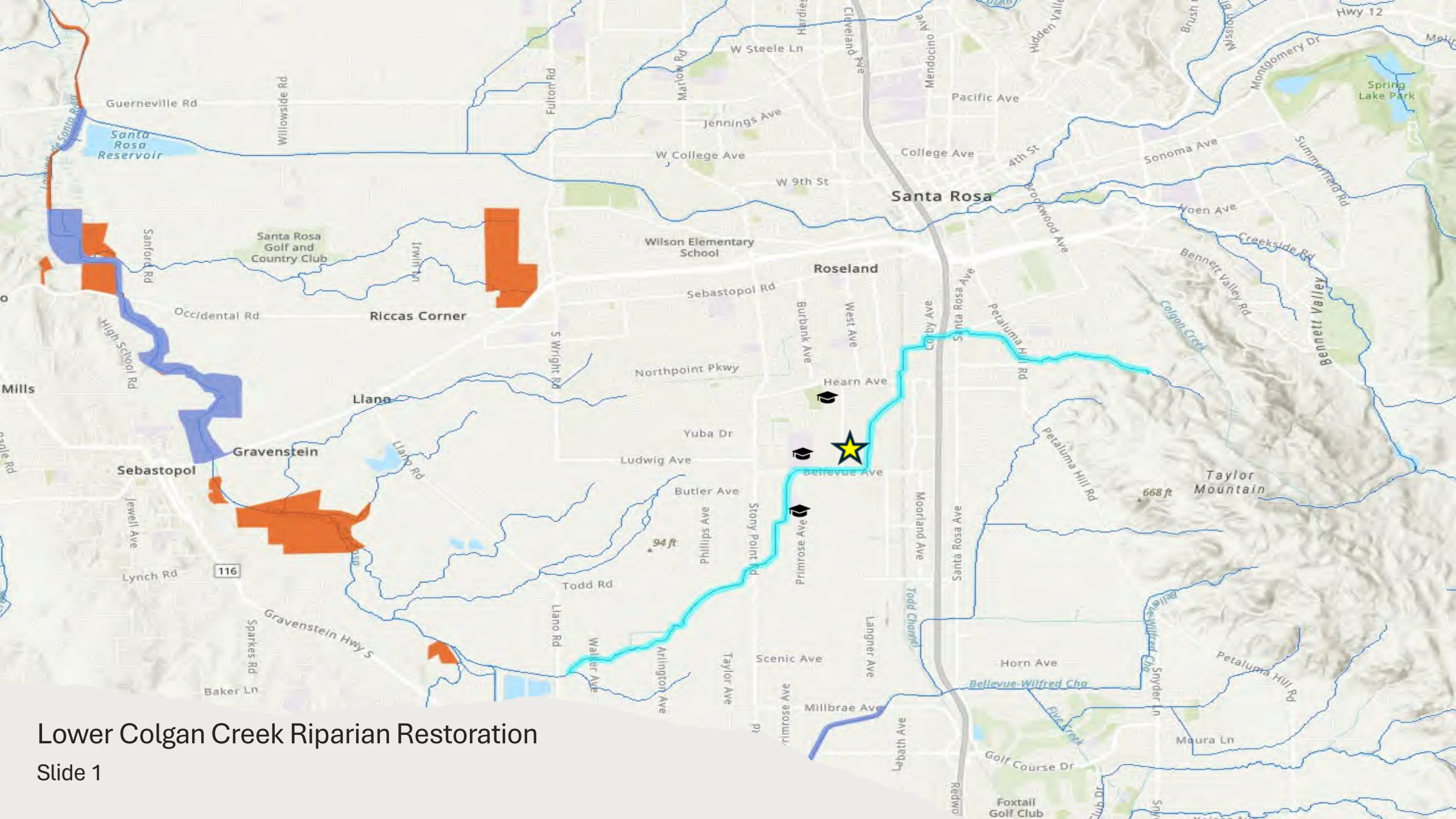
Photo courtesy of Trust for
Public Land



Looking south across the Bay from the southwestern end of the property.



**Lower Colgan Creek Riparian Restoration
Sonoma County**



Lower Colgan Creek Riparian Restoration

Slide 1

Lower Colgan Creek
Riparian Restoration
Slide 2

Underserved
Communities

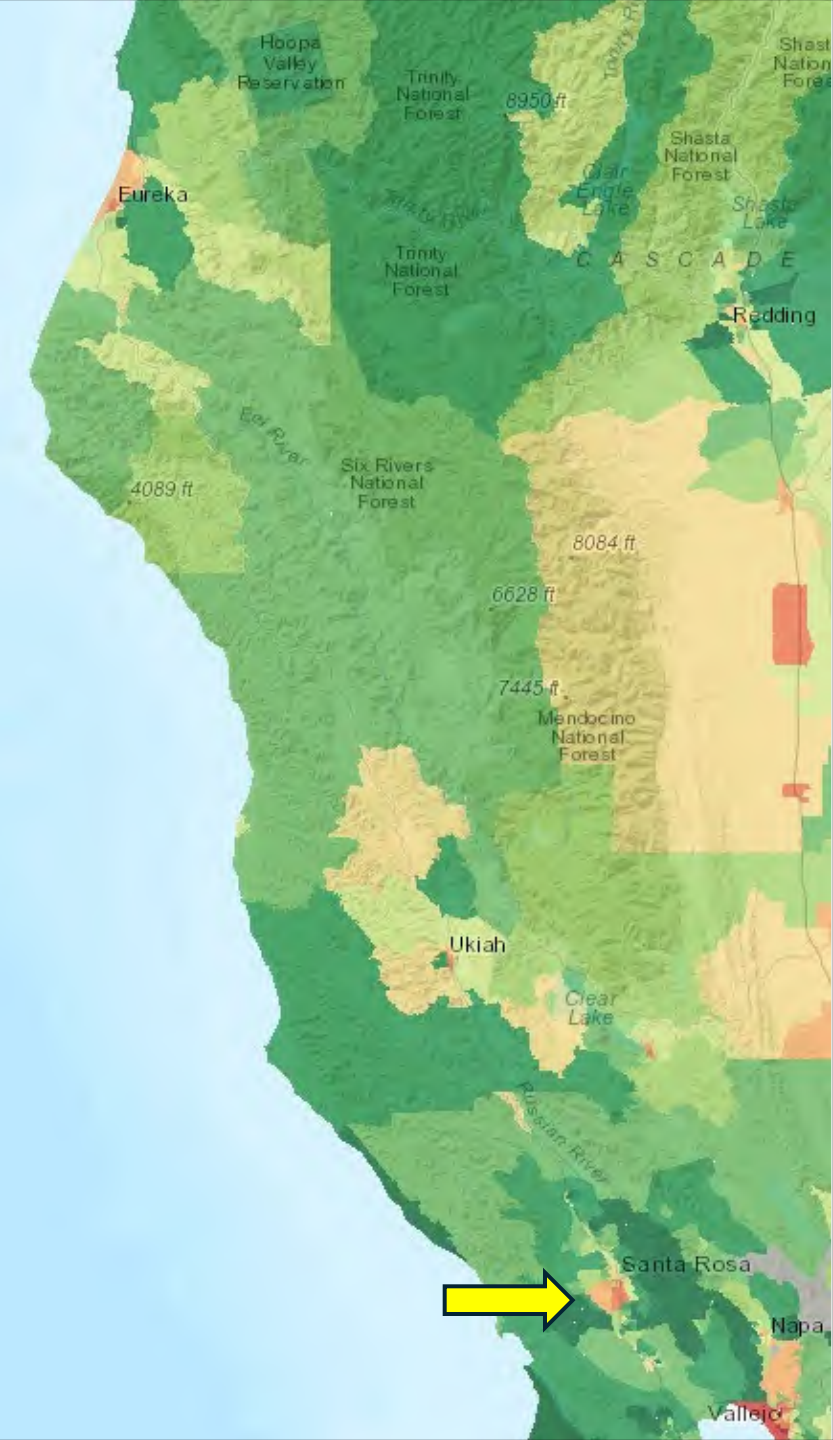
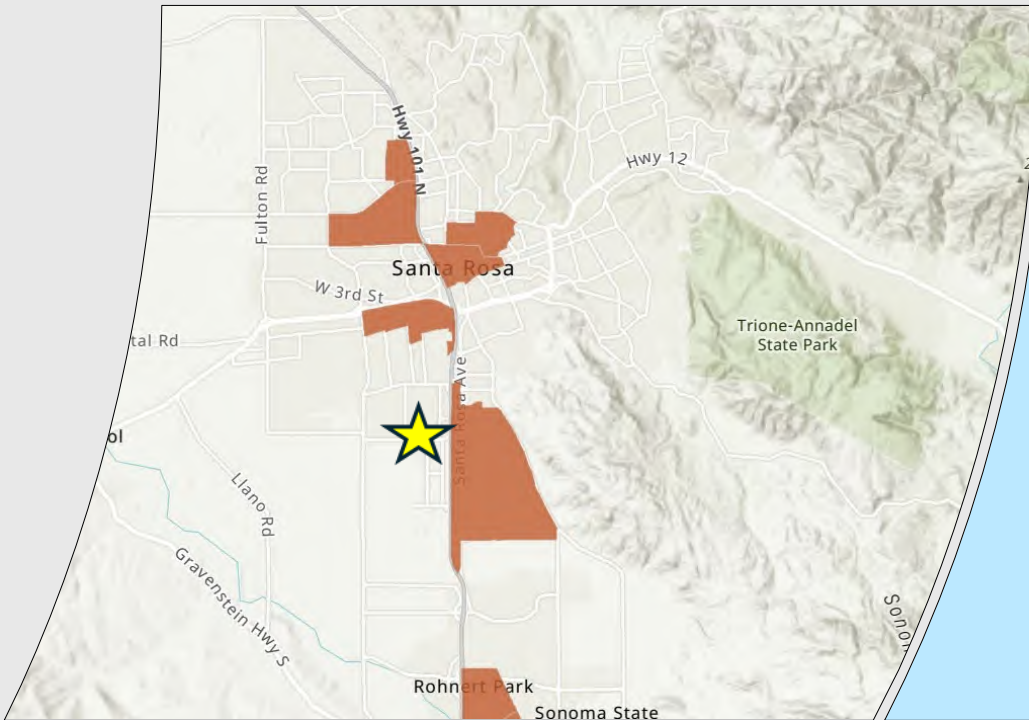
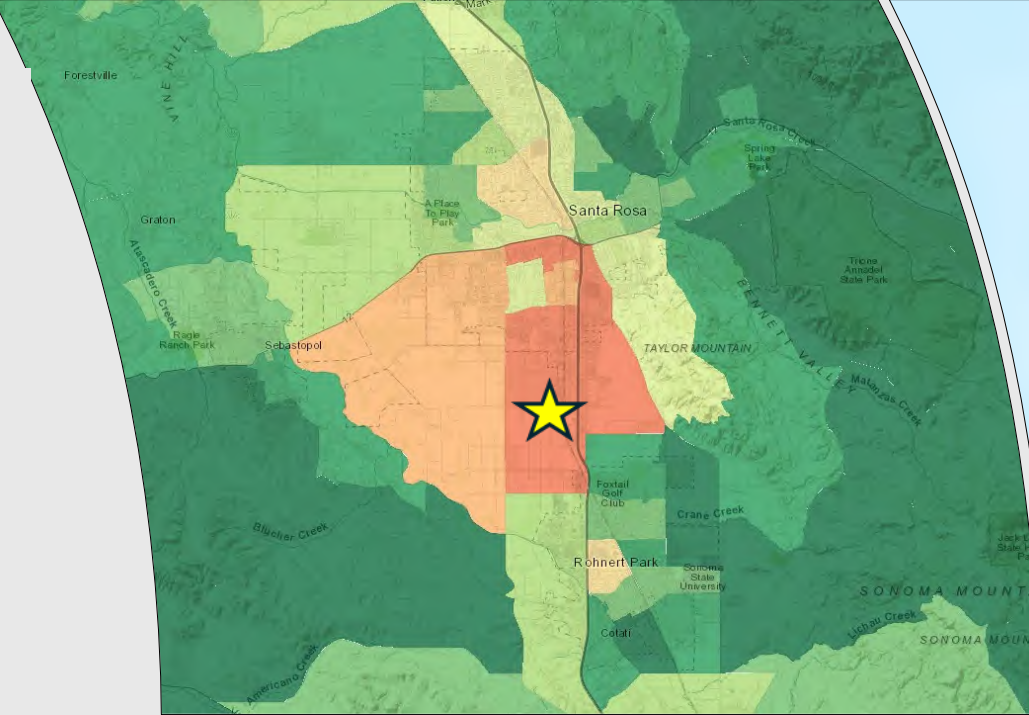




Photo credit: City of Santa Rosa



Photo credit: City of Santa Rosa

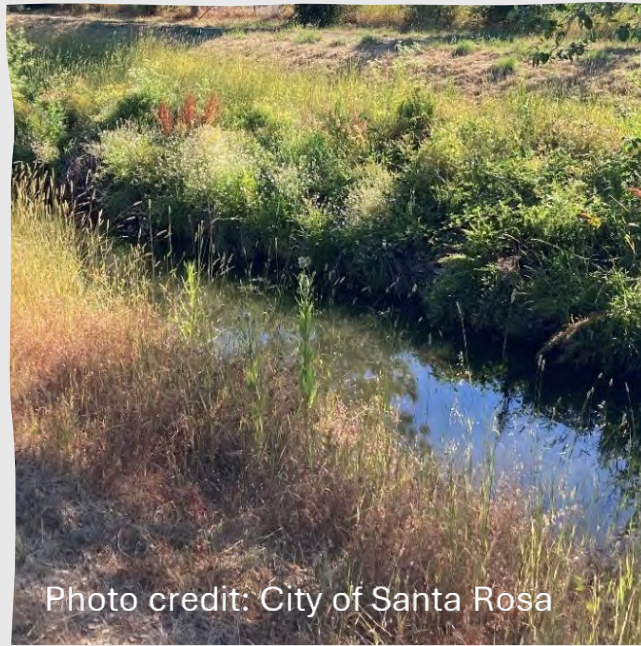


Photo credit: City of Santa Rosa

Lower Colgan Creek Riparian Restoration

Slide 3

Project Need

- Impaired waterway
- Marginal stream functions
- Limited flood capacity
- Poor riparian habitat
- Limited public access
- Poor aesthetics

Lower Colgan Creek Riparian Restoration

Slide 4

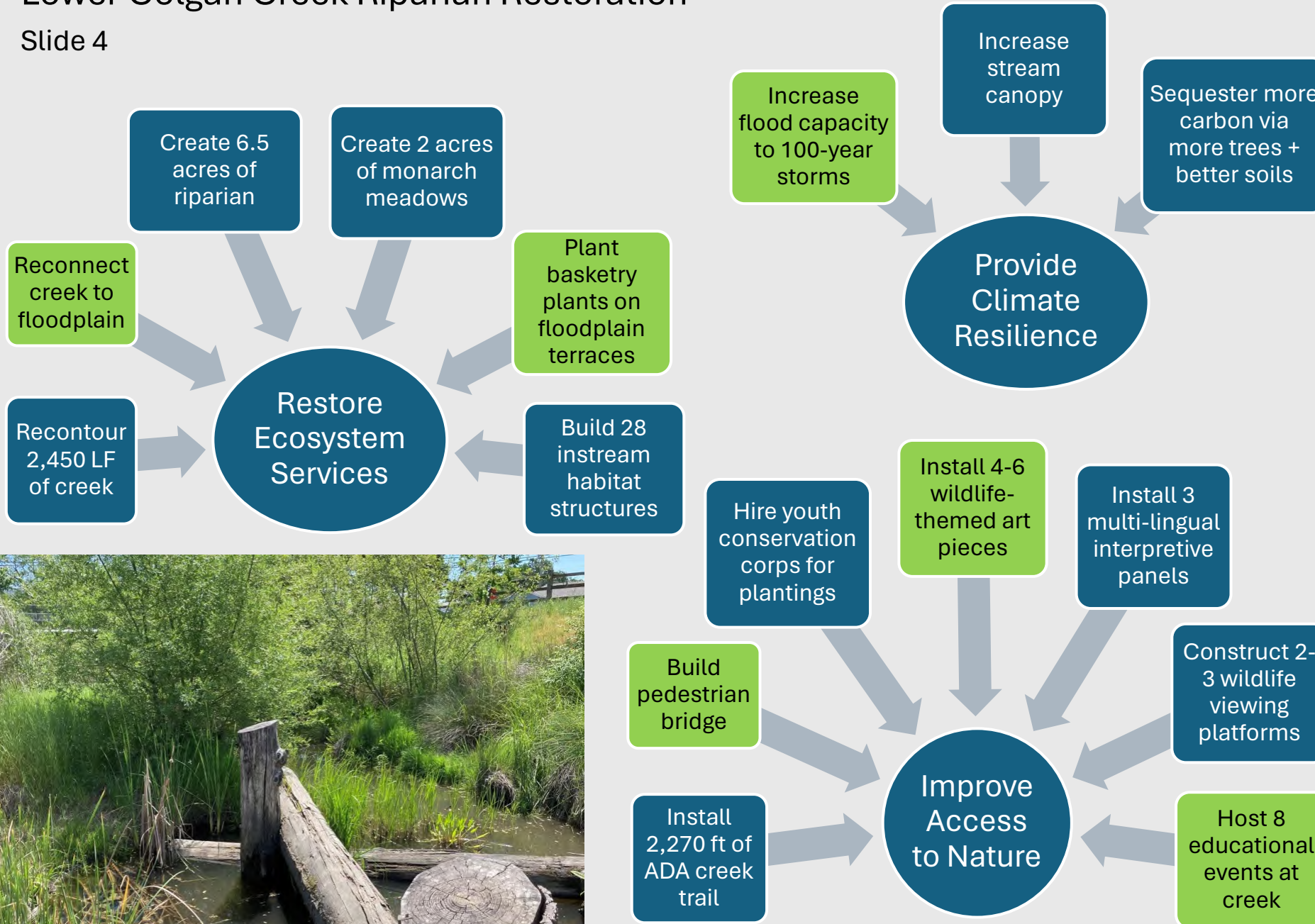


Photo credit: City of Santa Rosa








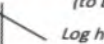
Photo credit: City of Santa Rosa

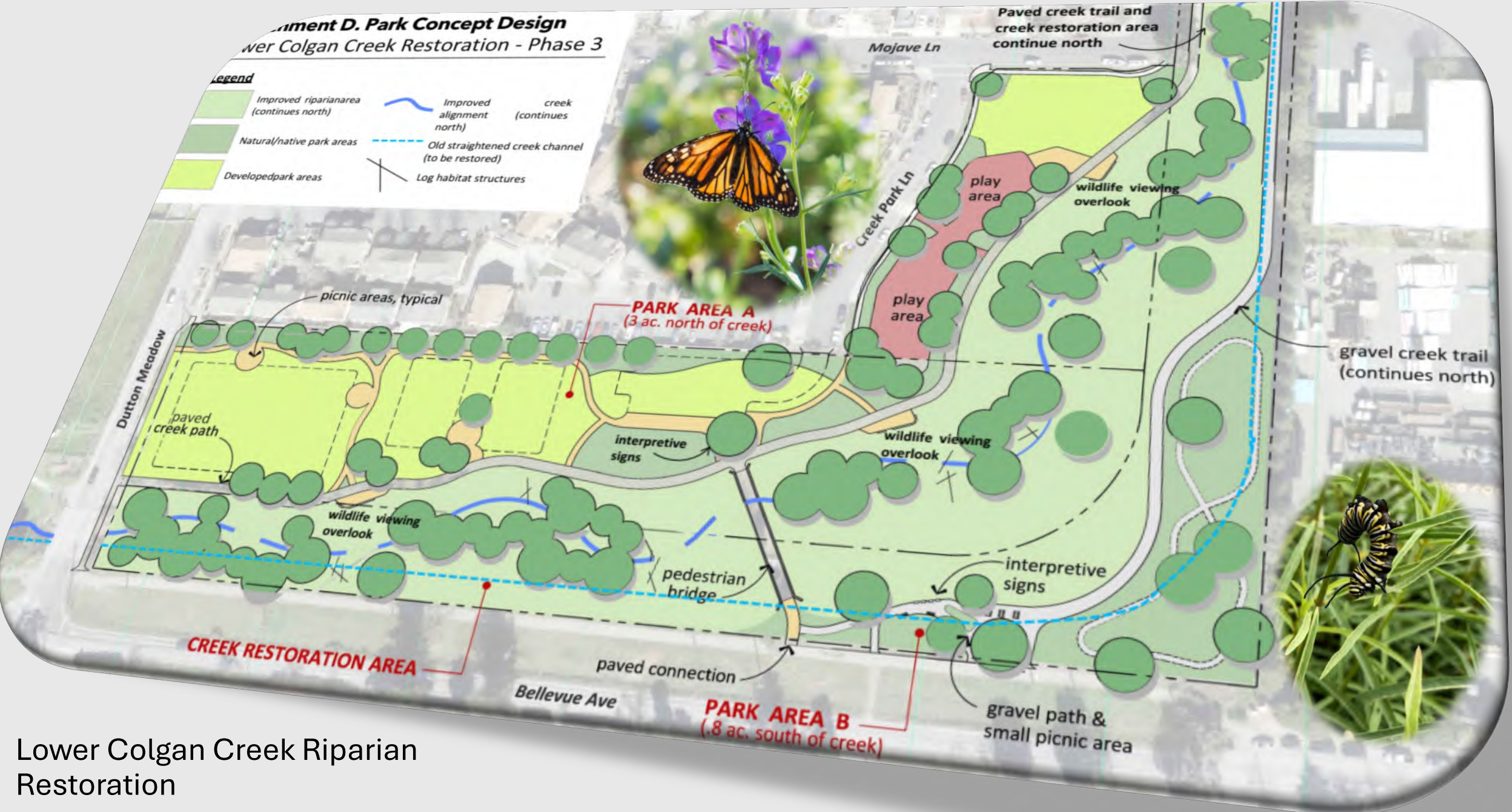


Photo credit: City of Santa Rosa

Attachment D. Park Concept Design
Lower Colgan Creek Restoration - Phase 3

Legend

-  Improved riparian area (continues north)
-  Natural/native park areas
-  Developed park areas
-  Improved alignment creek (continues north)
-  Old straightened creek channel (to be restored)
-  Log habitat structures



Lower Colgan Creek Riparian Restoration



Lower Colgan Creek Riparian Restoration

Slide 6

Photo credit: City of Santa Rosa



Photo credit: City of Santa Rosa



CREATING A HEALTHY CREEK
Colgan Creek Restoration Creates Habitat and Reduces Flooding



THE WAY IT WAS

BENEFITS OF A NATIVE RIPARIAN BUFFER

- **Shading and Cooling:** Riparian trees provide shade and cool the water, which helps maintain a healthy habitat for fish and other aquatic life.
- **Shading and Cooling:** Riparian trees provide shade and cool the water, which helps maintain a healthy habitat for fish and other aquatic life.
- **Shading and Cooling:** Riparian trees provide shade and cool the water, which helps maintain a healthy habitat for fish and other aquatic life.

PLANTS

ANIMALS

CREACIÓN DE UN ARROYO SALUDABLE
La restauración del arroyo Colgan Creek crea hábitat y reduce las inundaciones



CÓMO ERA ANTES

BENEFICIOS DE UNA ZONA DE AMORTIGUACIÓN RIPARIANA INDÍGENA

- **Sombreado y enfriamiento:** Los árboles ribereños proporcionan sombra y enfrían el agua, lo que ayuda a mantener un hábitat saludable para los peces y otros organismos acuáticos.
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PLANTAS

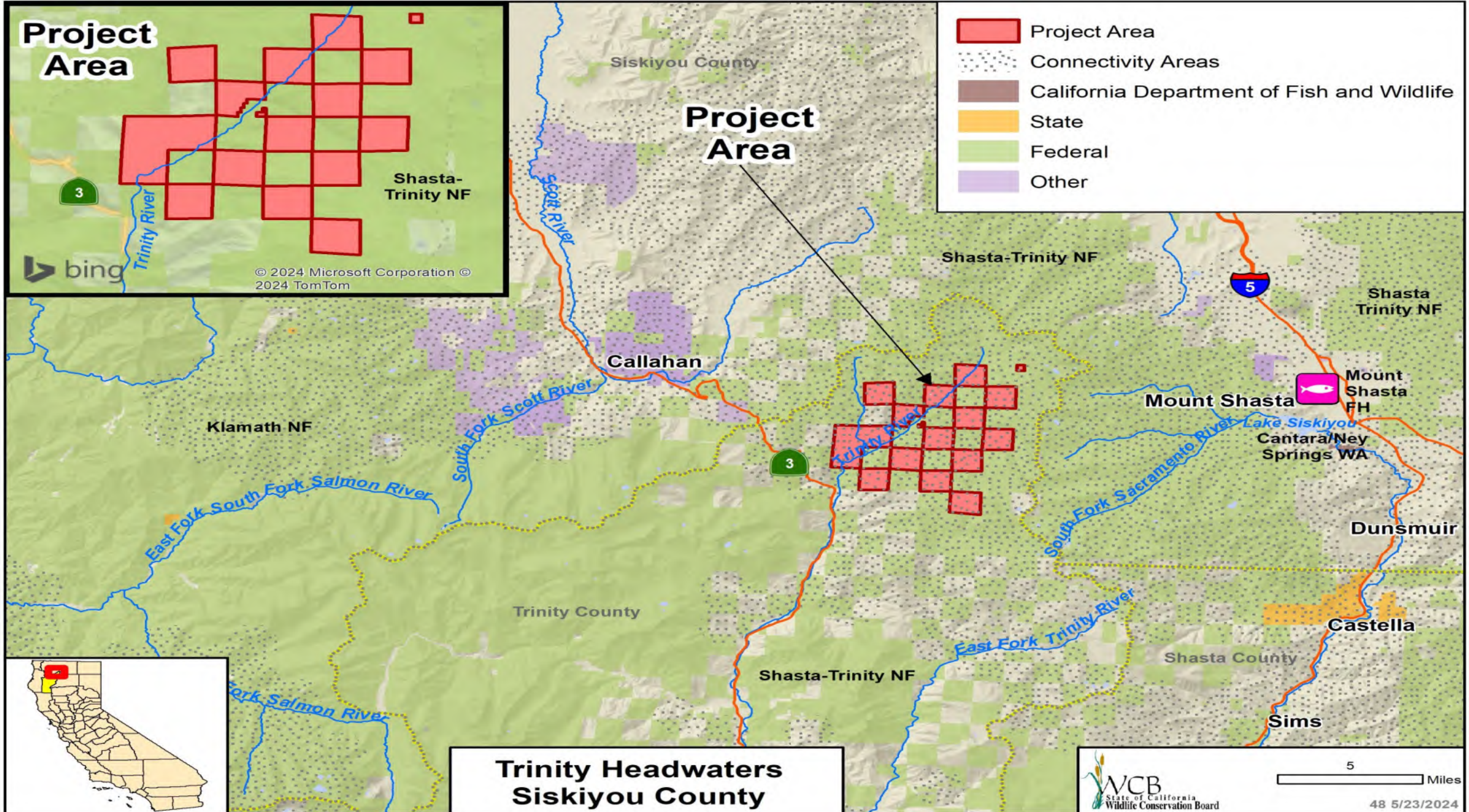
ANIMALES

Project Area

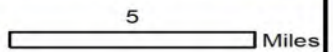


- Project Area
- Connectivity Areas
- California Department of Fish and Wildlife
- State
- Federal
- Other

Project Area



Trinity Headwaters Siskiyou County



Trinity Headwaters

Slide 1

The 10,700+-acre Trinity Headwaters property is in Trinity County 10-20 miles west of Weed and Mount Shasta, directly south of Mount Eddy at the intersection between Siskiyou and Trinity counties where the Klamath Mountains join the Southern Cascades surrounded by the Shasta Trinity National Forest.



Photo Courtesy of Mike Shaw, WCB

Trinity Headwaters

Slide 2

Property supports an estimated 233 terrestrial wildlife species and 9 aquatic fish and amphibian species, including 44 special status species that are rare or threatened, such as the Pacific marten, fisher, California wolverine, Cascades frog, and the Sierra Nevada red fox. The property's cold water flows also support Chinook salmon.



Photos Courtesy of Shay Brown, The Pacific Forest Trust

Trinity Headwaters

Slide 3

Easement will protect the biodiversity, native fish and critical wildlife habitats, aquatic and wetland communities, riparian woodlands, meadows, and diverse forest and chaparral communities that provide habitats for endangered, threatened, and rare species and other species of concern.

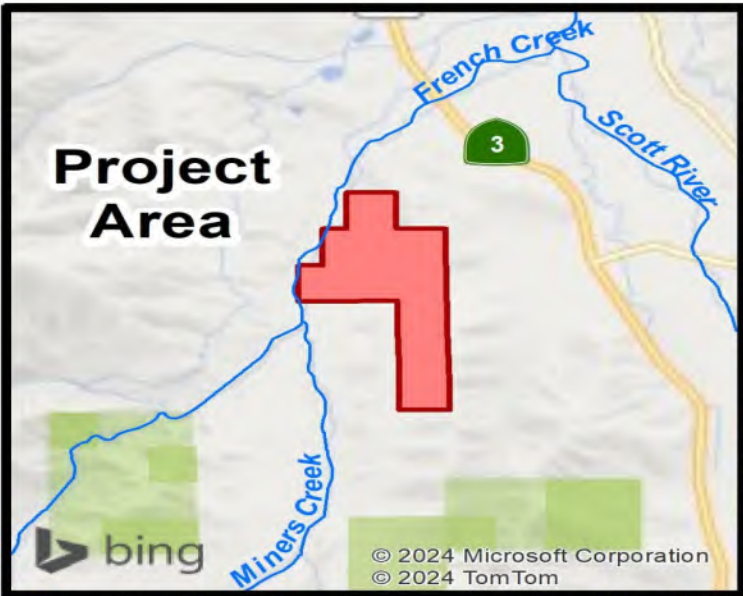


Trinity Headwaters

Slide 4

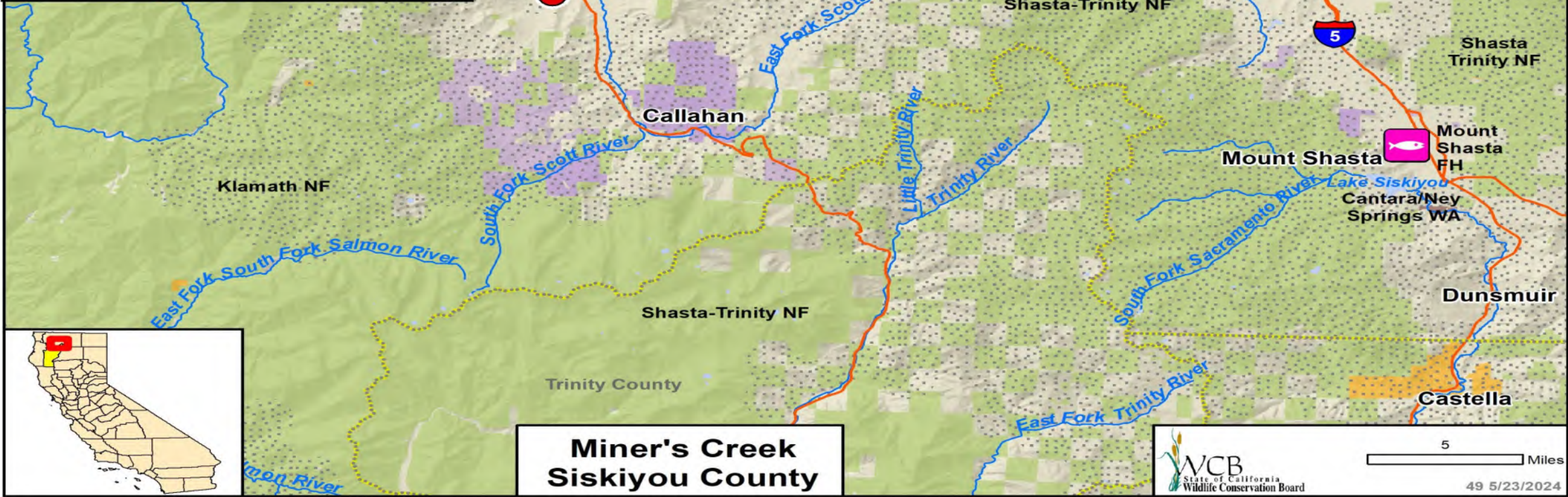
Photo: Slide Lake located at head of Slide Creek near northern boundary, feeds into Trinity River.

Seasonal lake is habitat to brook trout and is surrounded by mixed conifer habitat.



Legend

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



**Miner's Creek
Siskiyou County**



5 Miles



Miner's Creek

Slide 1

Looking west, into the uplands
Photo credit: Erin Feinblatt

Miner's Creek

Slide 2



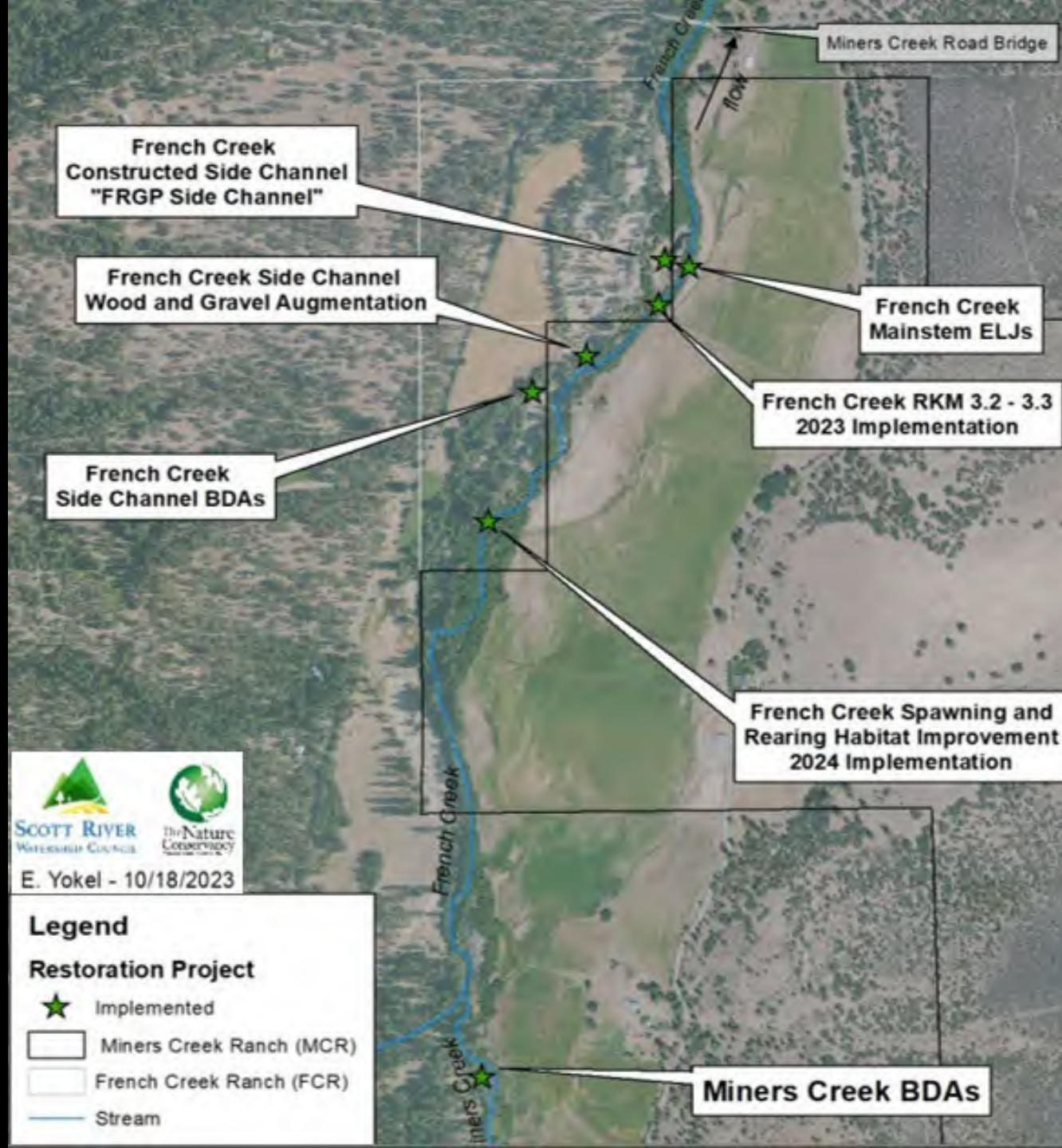
The project team and engineered log jams on French Creek

Photo credit: The Nature Conservancy

Miner's Creek

Slide 3

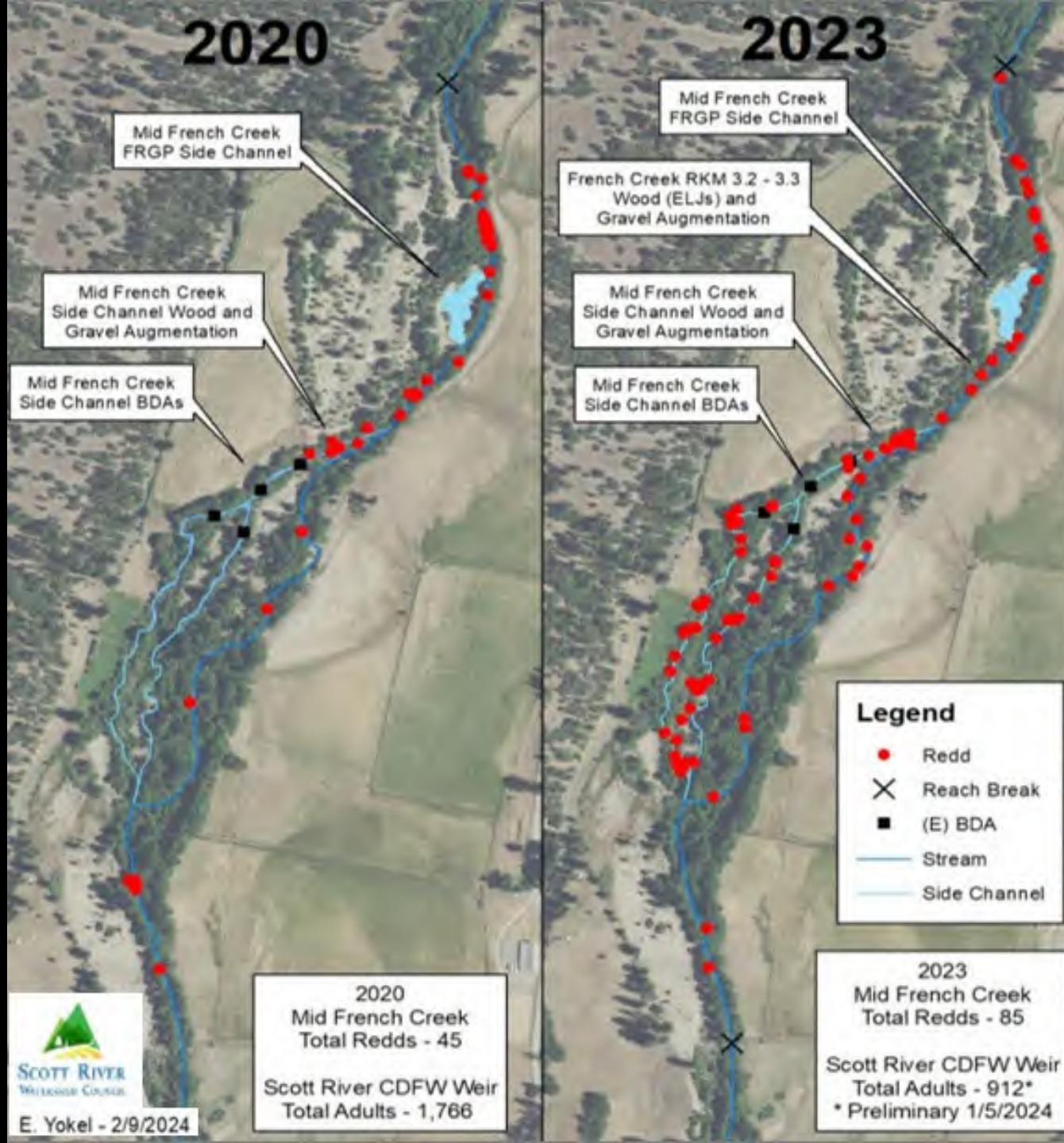
Transforming French Creek for
Coho Salmon (and Beaver)
Existing Restoration Projects



Miner's Creek

Slide 4

Mid French Creek – Coho Spawning Ground Survey Coho Salmon Redds – 2020 and 2023



Miner's Creek

Slide 5

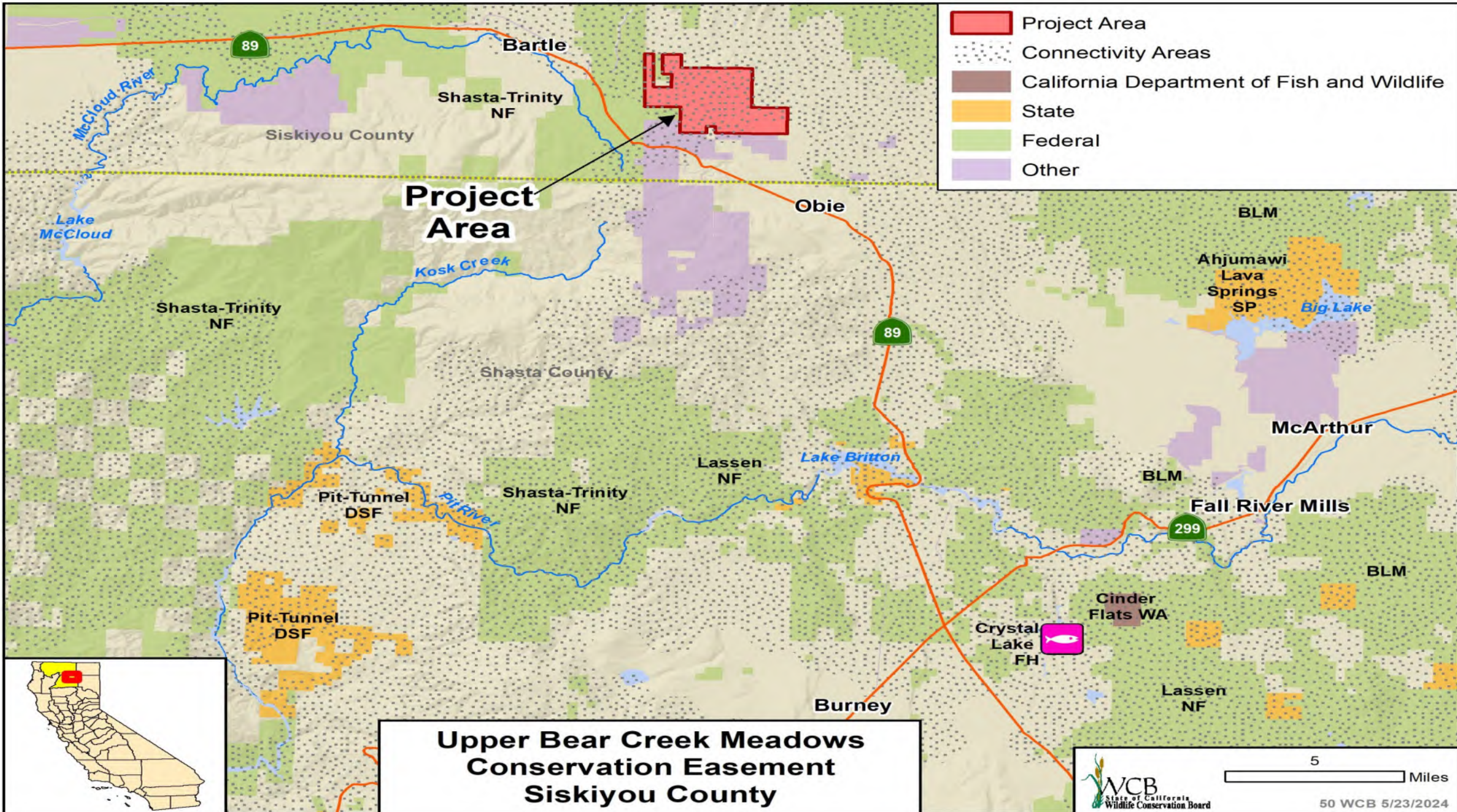
Adult female coho salmon and juvenile coho salmon

Photo credit: © Freshwaters Illustrated / David Herasimtschuk

Miner's Creek

Slide 6





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

Project Area

Upper Bear Creek Meadows Conservation Easement Siskiyou County



WCB
State of California
Wildlife Conservation Board

5 Miles

50 WCB 5/23/2024

Upper Bear Creek Meadows Conservation Easement

Slide 1

View of Mt. Shasta from Upper Bear
Creek

Photo credit: FWS Forestry Services,
LLC





Upper Bear Creek Meadows Conservation Easement

Slide 2

Meadow and Aspen Grove

Photo credit: FWS Forestry Services, LLC

Upper Bear Creek Meadows Conservation Easement

Slide 3

Wet Meadow

Photo credit: FWS Forestry
Services, LLC





Upper Bear Creek Meadows Conservation Easement

Slide 4

The property contains wet and dry meadows which form key habitat for Rocky Mountain Elk.

Photo credit: FWS Forestry Services, LLC

Upper Bear Creek Meadows Conservation Easement

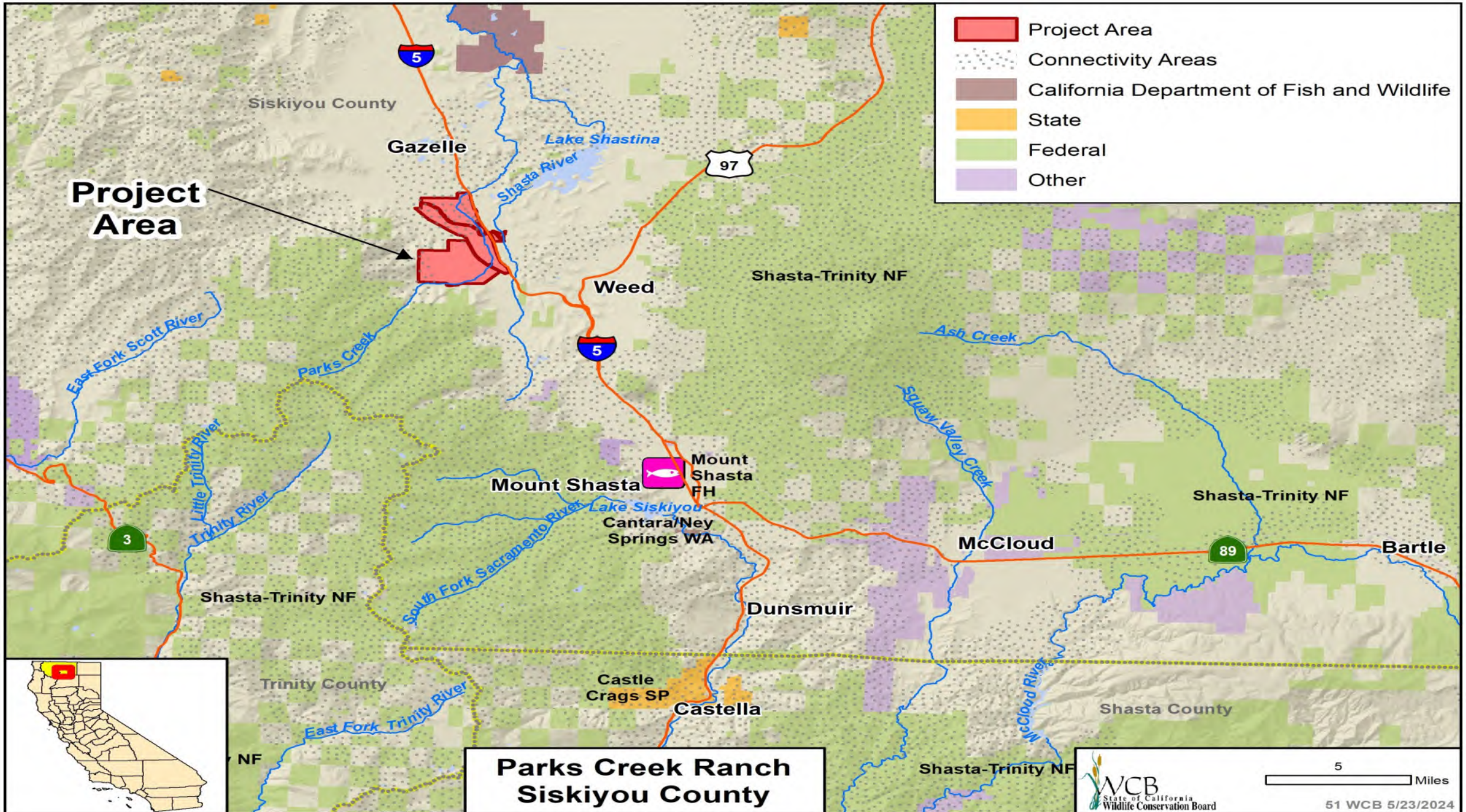
Slide 5

Top: Mature Forest Reserve

Bottom: Tom Young Flat Meadow Elk
Management Area

Photo credits: FWS Forestry Services, LLC





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

Project Area

**Parks Creek Ranch
Siskiyou County**



5 Miles

51 WCB 5/23/2024

Parks Creek Ranch

Slide 1

View of Mt. Shasta from hilltop overlooking ranch.

Photo courtesy of Chris Bell, appraiser.





Parks Creek Ranch

Slide 2

Three photographs of Parks Creek as it flows through the Ranch.

Photos courtesy of The Nature Conservancy.

- Protection of 7 miles of Parks Creek
- Reduced irrigation, increased cold water flows, and water rights dedication
- Restoration and Enhancement of riparian habitat
- Grazing management changes compatible with fish and wildlife habitat

Photo: Restored area on lower Parks Creek on Cardoza Ranch. Similar restoration could occur on Parks Creek Ranch.





Item 52. Public Forum for Items not on the Agenda



Meeting Adjourned
Next Board Meeting, August 22, 2024