

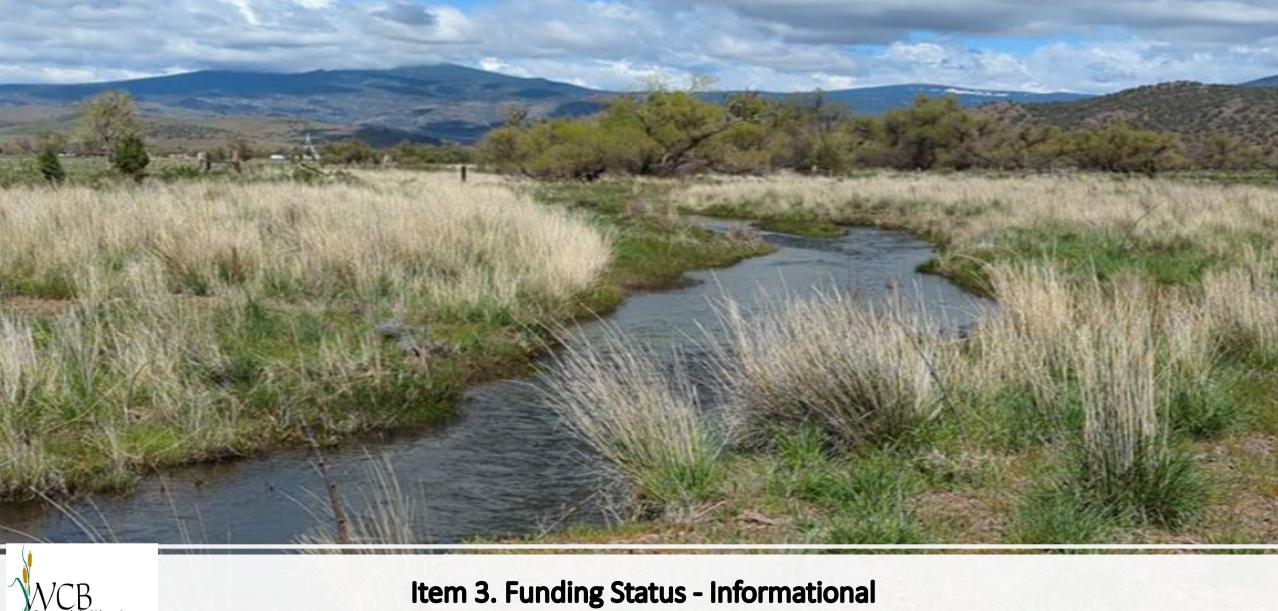


Wildlife Conservation Board August 24, 2023, 10:00 am Board Meeting First Floor Auditorium, CNRA Headquarters Building





Item 2. Public Forum



General Fund	
Allocation	FY 2023/24
Fish & Wildlife Resources - Climate Change Impacts on Wildlife	\$61,750,000
Program Delivery (Climate Change Impacts on Wildlife)	\$3,250,000
Western Joshua Trees Conservation (planning with CDFW)	\$5,000,000
Subtotal Water Resilience Package (AB 102)	\$70,000,000
Nature-Based Solutions grants - 60%	\$54,150,000
Nature-Based Solutions grants - 40% to biodiversity conservation	
adjacent/directly benefitting climate-vulnerable communities, DAC or California	
Native American tribes	\$36,100,000
Program Delivery (NBS Program)	\$4,750,000
Resource Conservation Investment Strategies	\$3,000,000
Cascades and High Sierra Upper Watersheds Program	\$16,000,000
Land Acquisition and Habitat Enhancement Program -Southern CA	\$16,000,000
Subtotal Nature-Based Solutions (AB 102)	\$130,000,000
San Joaquin Valley Floodplain Restoration (Back from FY 22-23)	\$40,000,000
Subtotal AB 103 (BB Jr.)	40,000,000
Total	\$240,000,000



Item 4. Presentation – Starr Ranch

Land Management Without Chemicals Audubon Starr Ranch Sanctuary

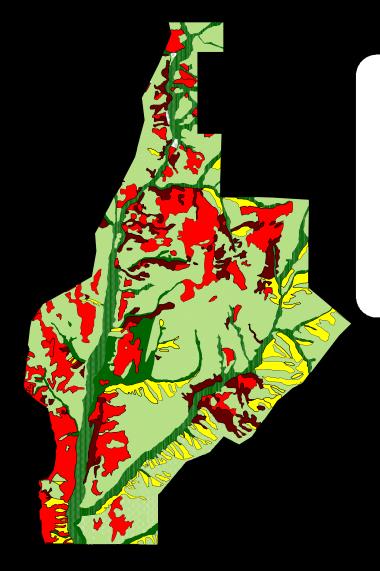
Wildlife Conservation Board

August 24 2023

Sandra A. DeSimone
Director Research, Education and Land Management







Starr Ranch Vegetation

Habitat Types

Oak Woodland



Coastal Sage Scrub



Riparian Woodland

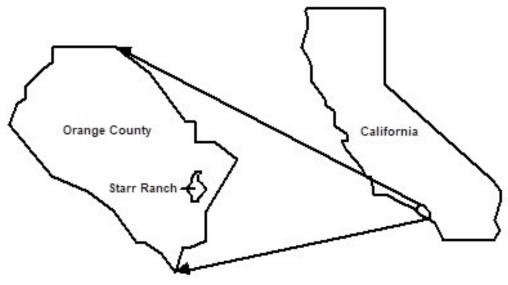


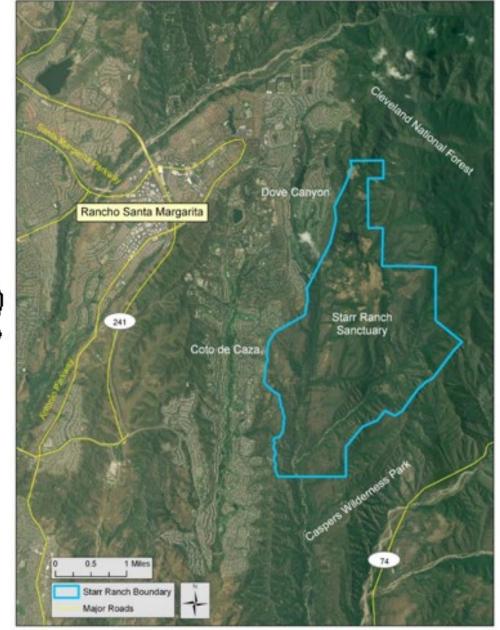
Grassland



Chaparral







Starr Ranch Land Management

- Influenced practice on 200,000 acres preserved land Ventura to San Diego Counties (visitation and solicited advice)
- "cutting edge" (U.S. Fish and Wildlife Service)

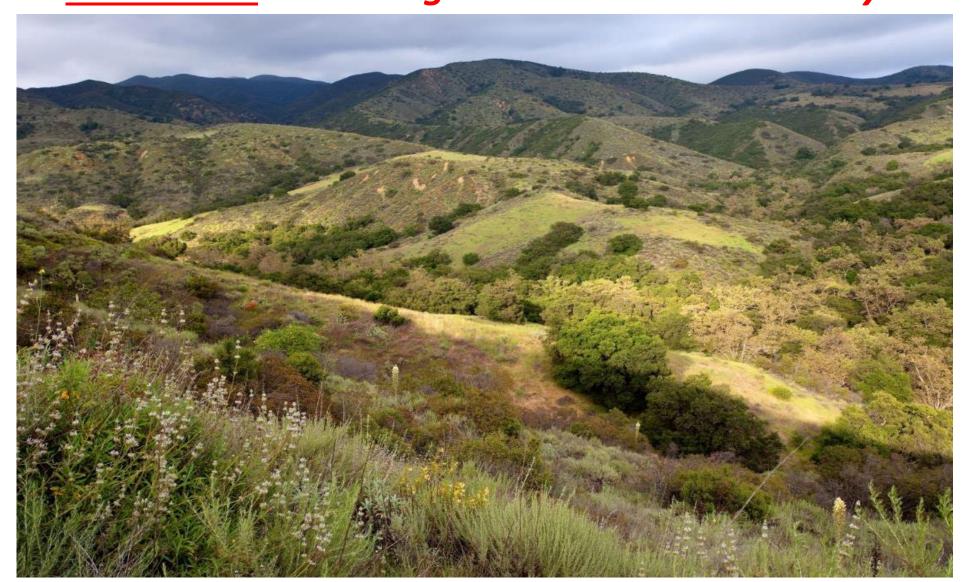


Audubon CALIFORNIA

Research Land Management Education



Research Land Management Education *Innovation Integration Sustainability*



Innovation: Land Management

Strip Planting

No chemicals

Adaptive Management

















UPLANDS: TOP STARR RANCH SEVEN (ALWAYS REMOVE)

CIRVUL (bull thistle) PLALAN (English plantain) Helminthotheca echipides (Ox-Tongue) CYNCAR (artichoke thistle) Oxalis pes-caprae (sourgrass)) Aegilops spp. (barbed goatgrass) Salsola tragus (tumbleweed)

3 "P"s of Nonchemical Land Management:

Persistence Pa	itience	Perseverance
----------------	---------	--------------

	anuary					
Sun	Mon	Тиє	Wed	Thu	Fri	Sat
Nation 1	NEW 15 10 1 4	2	3	4	6	6
7	8 NEW 30 9 21	9	10	11	12	13
14	15 NEW14 11 *7	16	17	18	19	20
21	22 New 15 17S 5	23	24	25	26	27
28	29 NEW 30 10 1 4	30	31			
					l li	2018

Two Fundamental and Interrelated Land Management Practices

1. Non-chemical Weed Control
2. Accept Some Non-natives in "Hybrid Ecosystems"

* <u>Hybrid ecosystem</u>: nonnatives and natives

Novel ecosystem: nonnative dominated (from disturbance)

Initial phases of a <u>new</u> nonnative introduction

Go for it! (remove) Early Detection

Established nonnative populations

Does the established nonnative have positive or neutral effects on

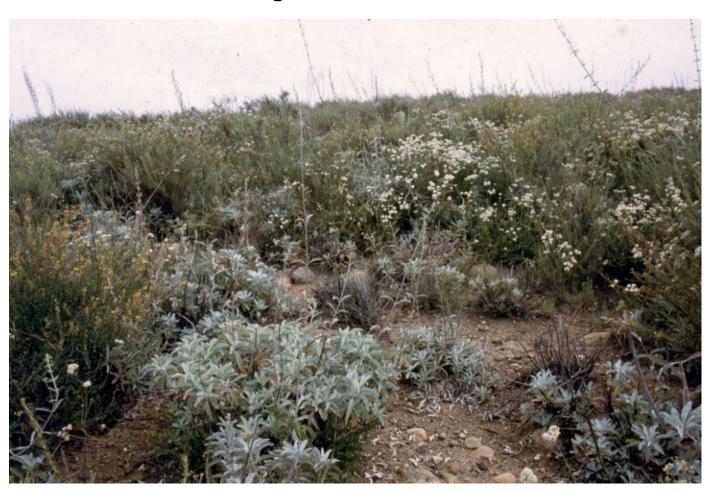
observable wildlife: songbirds and small mammals?

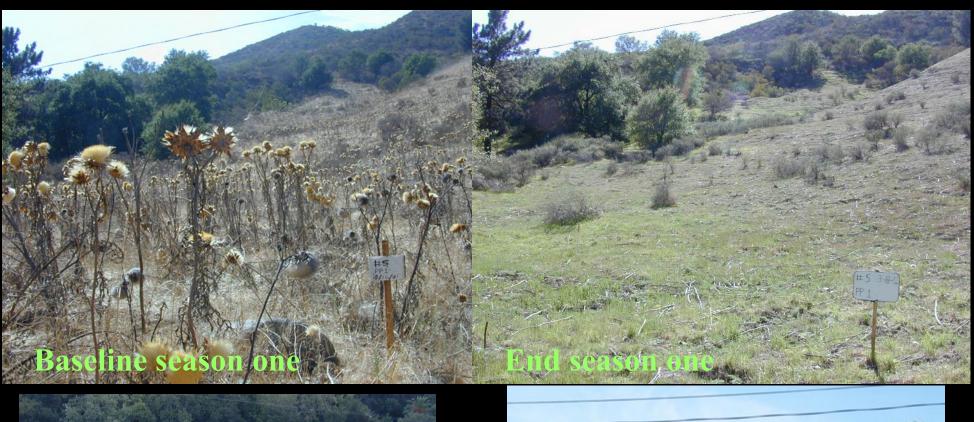


Hybrid Ecosystem

Hybrid Ecosystem Decision Making

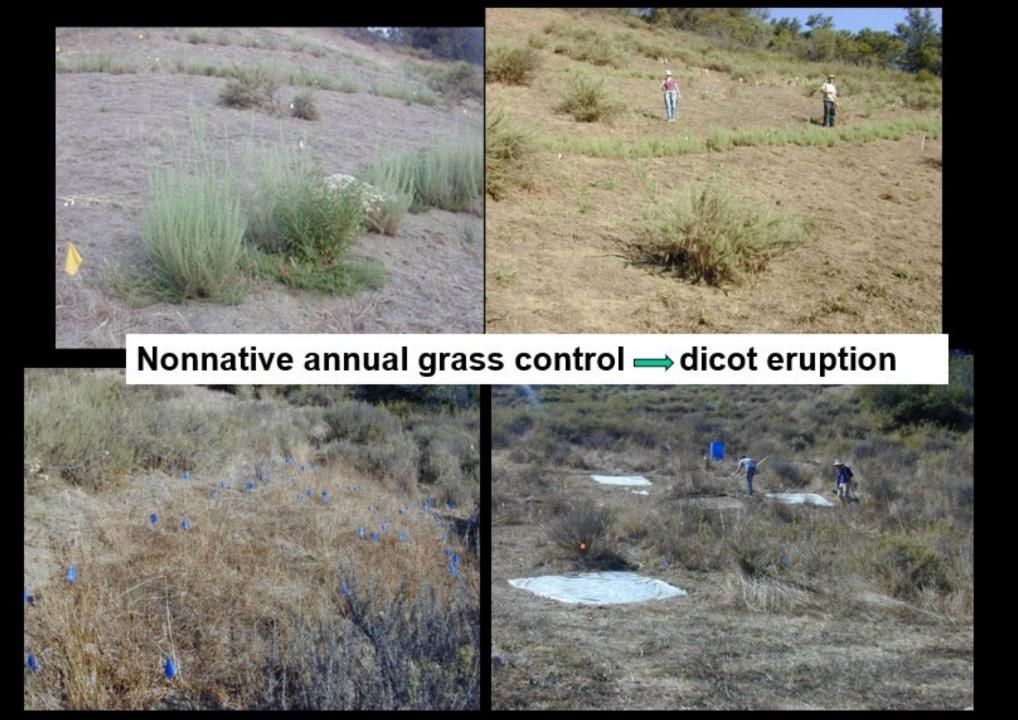
Coastal Sage Scrub Restoration







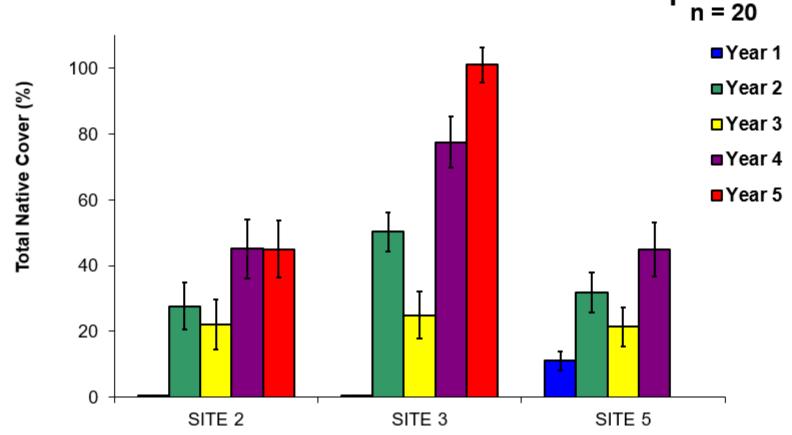




Strategy: Accept Nonnative Annual Grasses

Strategy: Target nonnative dicot (forb, non grass) invasives, Leave nonnative annual grasses, Monitor effects on native plants and wildlife

Total Native Cover in Buffers Between Strips



No nonnative annual grass control

DeSimone Ecological Restoration 2011.

Annual grasses disappear over time in restoration sites Mechanism: annual grasses "disappear"?

Is there an effect of herbivores on nonnative grasses in buffers?

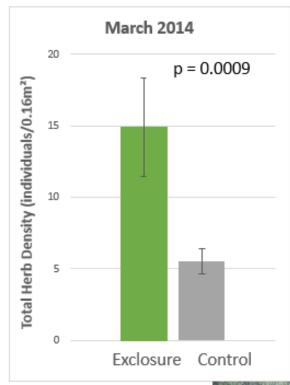
Exclosure Experiment: cages in unplanted buffers between

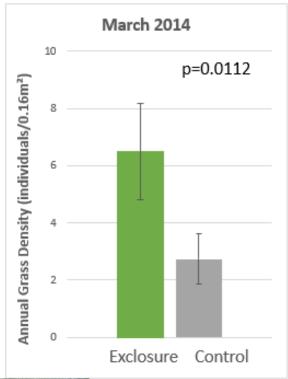
planted shrub strips





Exclosure Experiment: Results











Conclusions (CSS Restoration):

- Neutral effects nonnative annual grasses on wildlife = "accept"
- Hybrid ecosystem native shrub-dominated
- Mechanism (the process): herbivory (rodents, birds, rabbits)



Conclusions (general)

- 1. With persistence and diligence, a non-chemical approach to invasive species control can be efficient and effective.
- 2. Monitoring is ongoing

Hybrid ecosystem concepts have

stimulated us to view nonnative species through a new lens

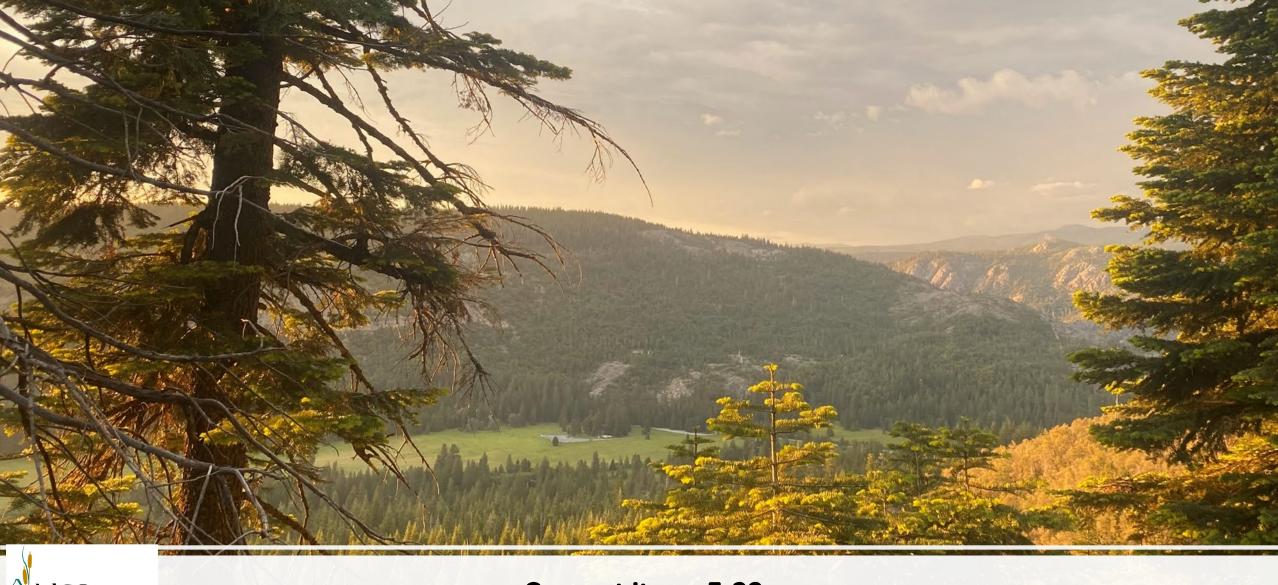
reduce workload while also

accomplishing goal – habitat for birds and other wildlife.



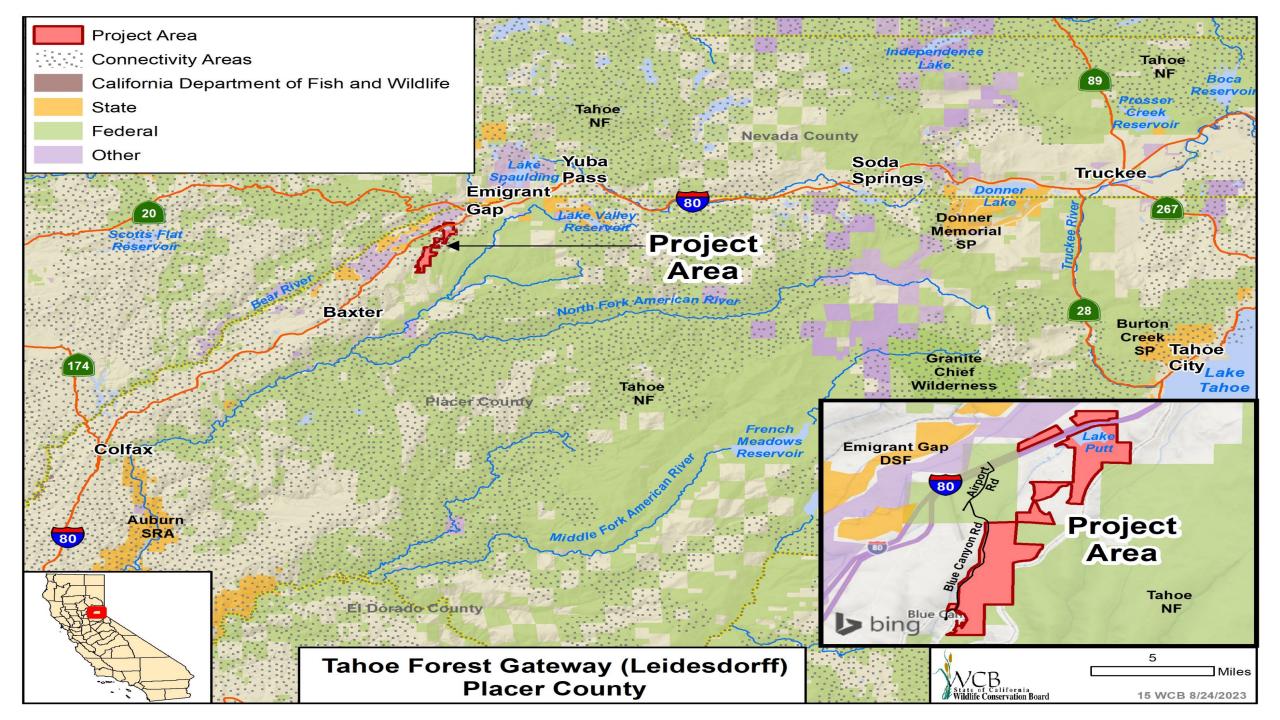
Wildlife Conservation Board Proposed Projects August 24, 2023 Fee Title (8) Conservation Easement (2) Restoration/Enhancement (14) Conservation Planning/Study (8) Public Access (1) Infrastructure (3) Transfer of Jurisdiction (1) **Total Projects: 37**

Wildlife Conservation Board Meeting August 24, 2023 Project Map





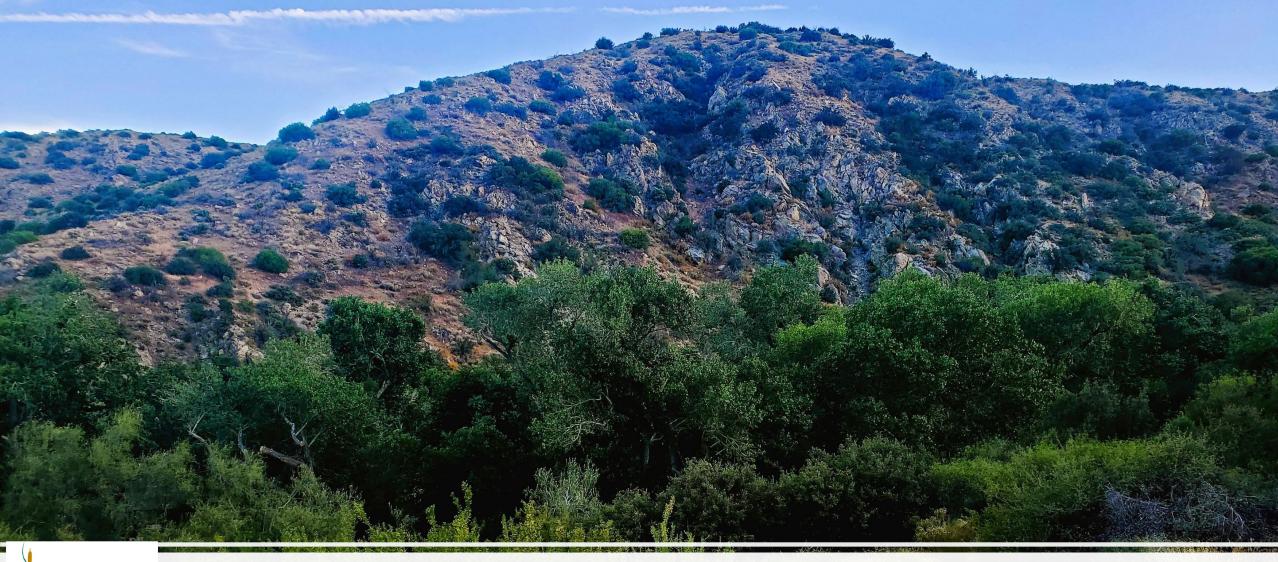
Consent Items 5-29





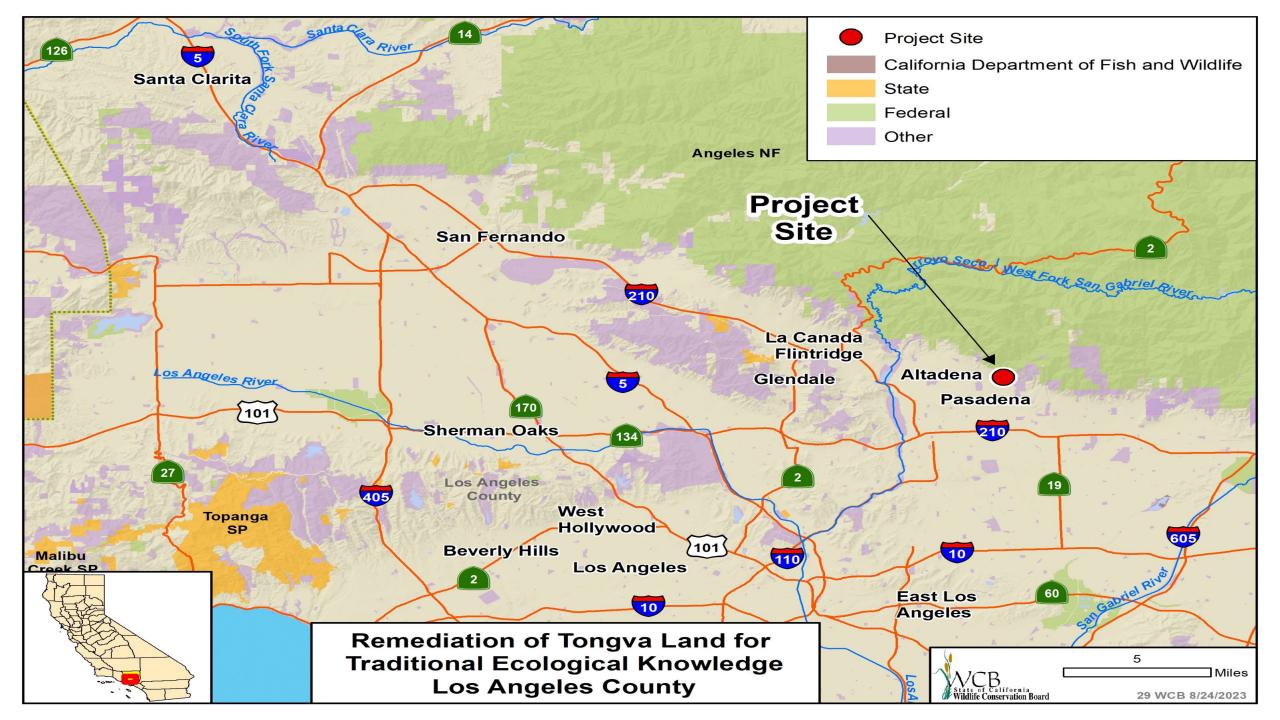








Presented Items 29-44



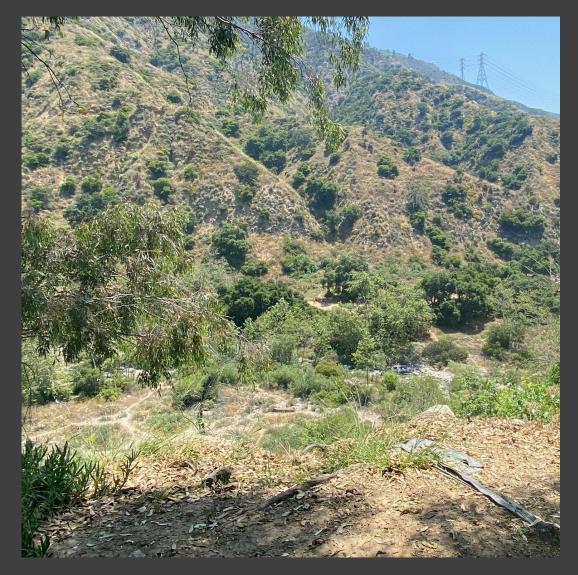
29. Remediation of Tongva Land for Traditional Ecological Knowledge Slide 1

Tongva Taraxat Paxaava Conservancy

- First community-owned gathering space for the Tongva since 1771
- Overlooks Eaton Canyon
- Historically coastal sage scrub habitat
- Currently overgrown with invasive trees and plants

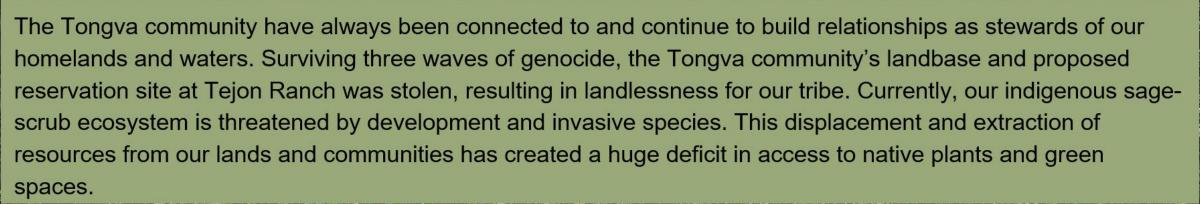
Project Elements:

- Removal of non-native trees
- Treatment of the remaining stumps with a nonchemical method that relies on fire
- Clearing an understory dominated by decorative species
- Restoration of native habitat with indigenousbased scientific methods

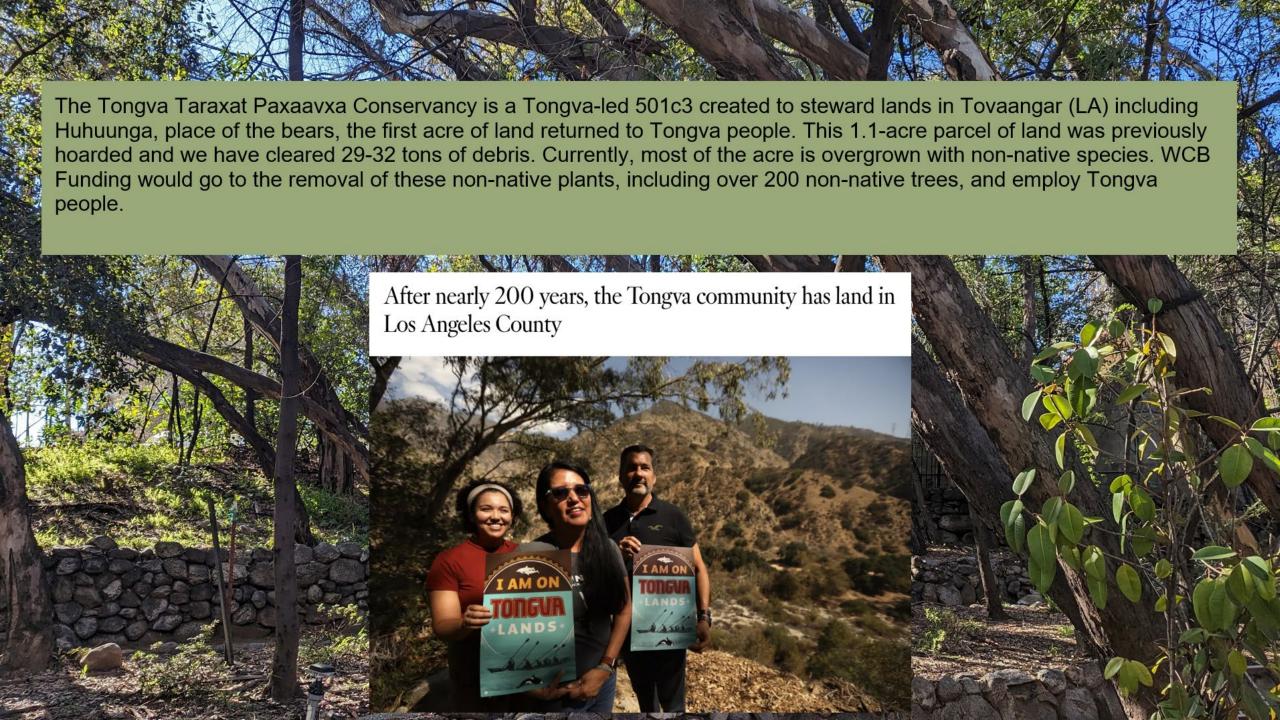


Looking towards Eaton Canyon







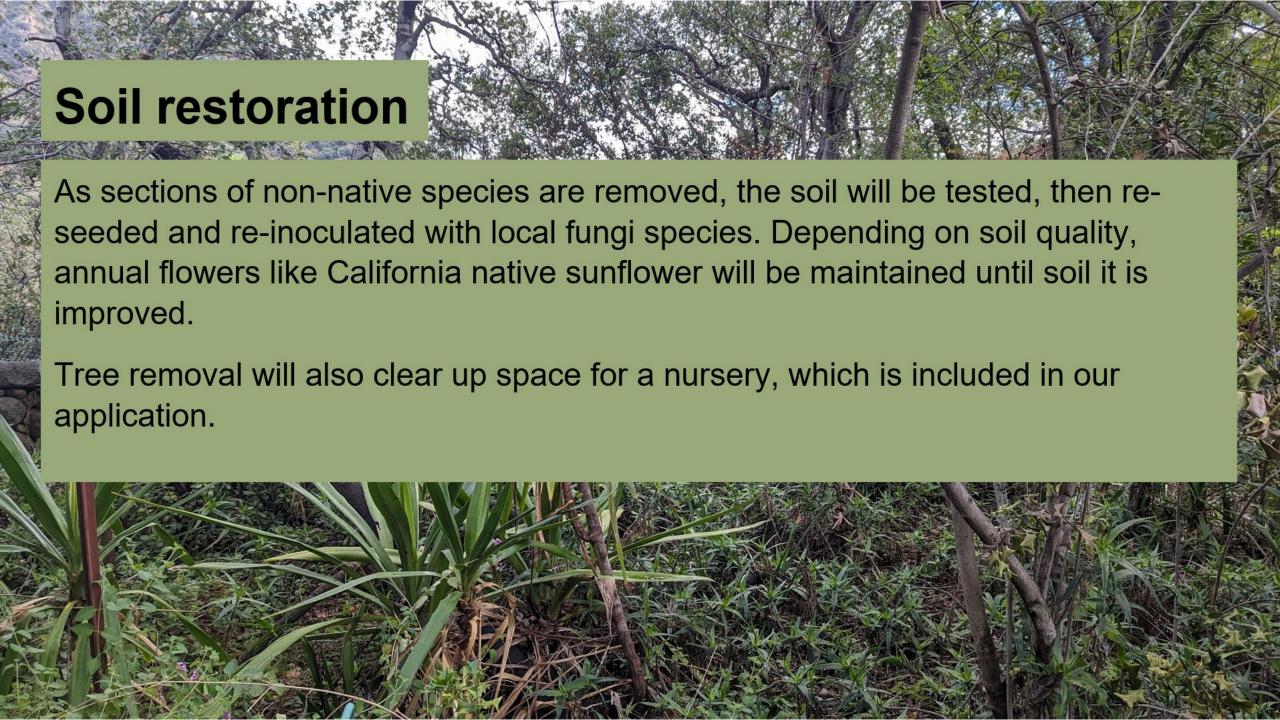




Stump Burning will be performed by Tongva people with assistance from LA County firemen, retirees, and LA County Forestry. The TTPC Land Return Coordinator (LRC) will collect data on stump burning efficiency depending on the burn method and size of the tree. Larger stumps may be ground.

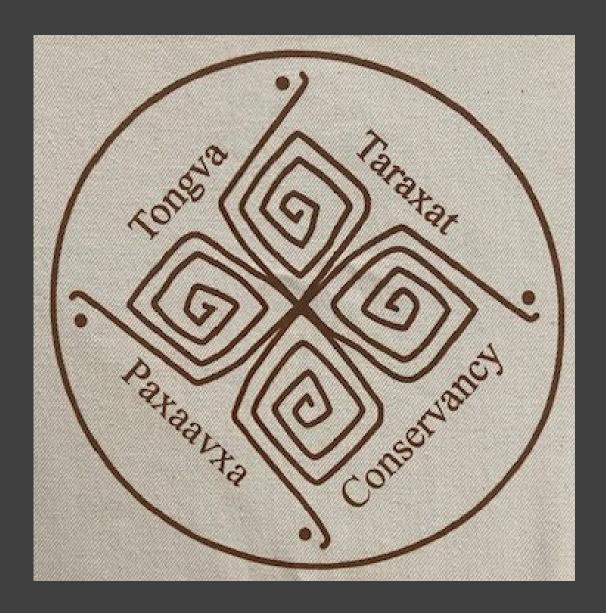
Time, trunk diameter, fuel, and pre-cutting method will all be logged by LRC to determine burn method success rate. Findings can be used later to restore future sites of land return, with burn certified tribal organizations and restoration projects.

Some lumber will be kept for future site restoration including adobe building, playground space, sitting area, etc.



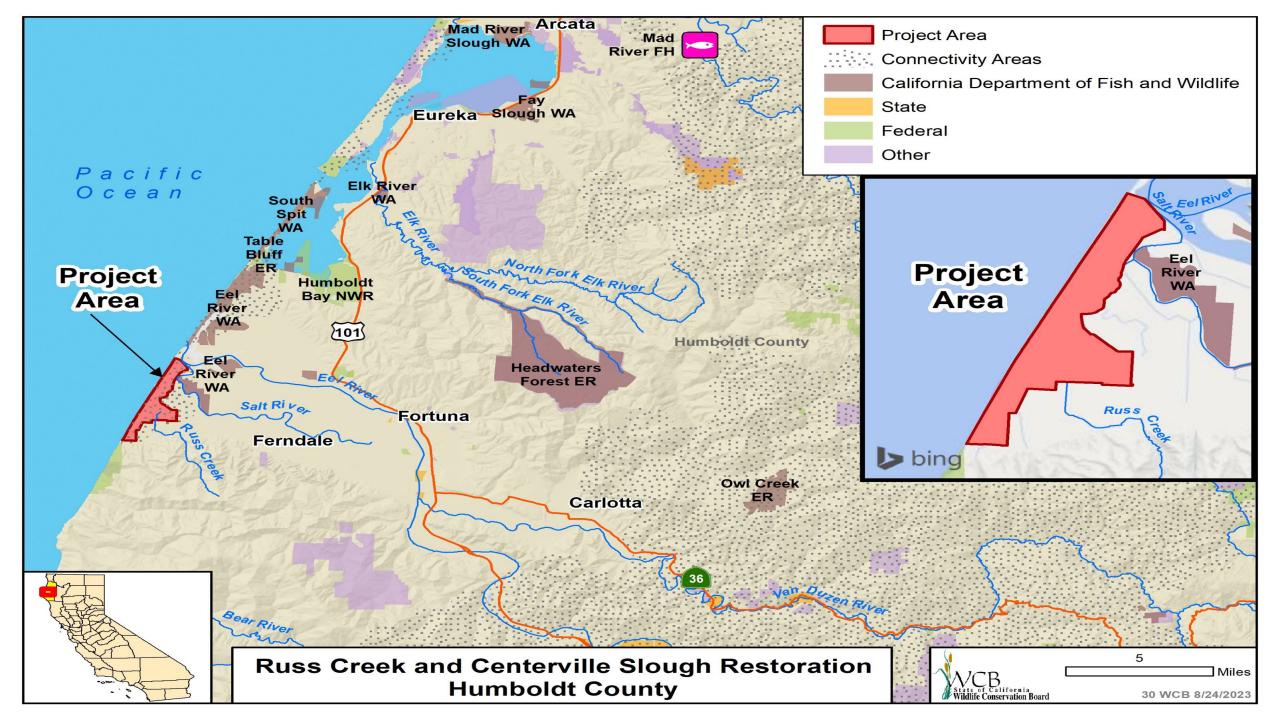


29. Remediation of Tongva Land for Traditional Ecological Knowledge Slide 8

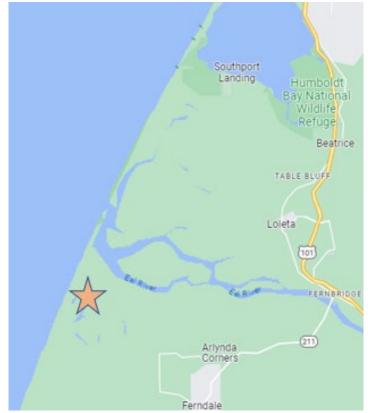


Ecological Benefits

- Restoration of sensitive coastal sage scrub habitat
- Fire fuel reduction
- Removal of invasive species seed source
- Extension of Eaton Canyon habitat
- Case study for non-herbicide invasive plant removal
- Development of a nursery and seed collection operation
- Template for future restoration of tribal lands



30. Russ Creek and Centerville Slough Restoration







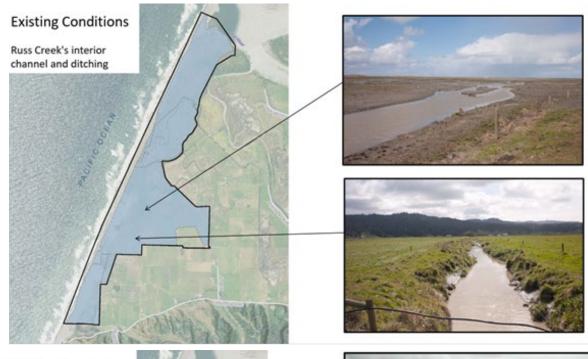


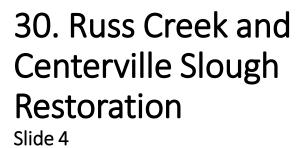
30. Russ Creek and Centerville Slough Restoration

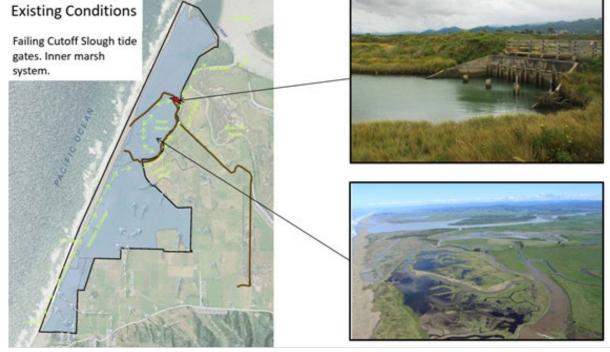


Flood and wave overwash events

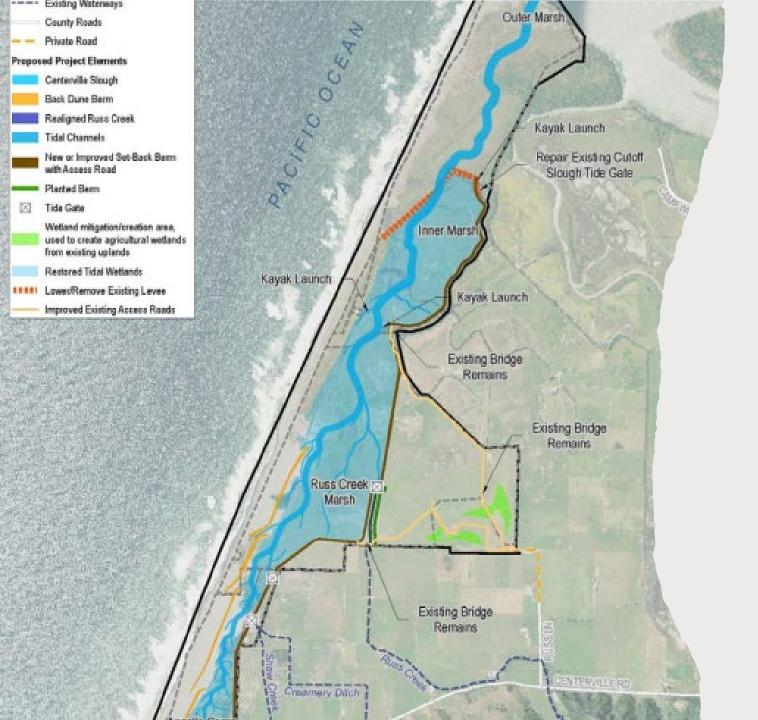








Images courtesy of Humboldt County RCD



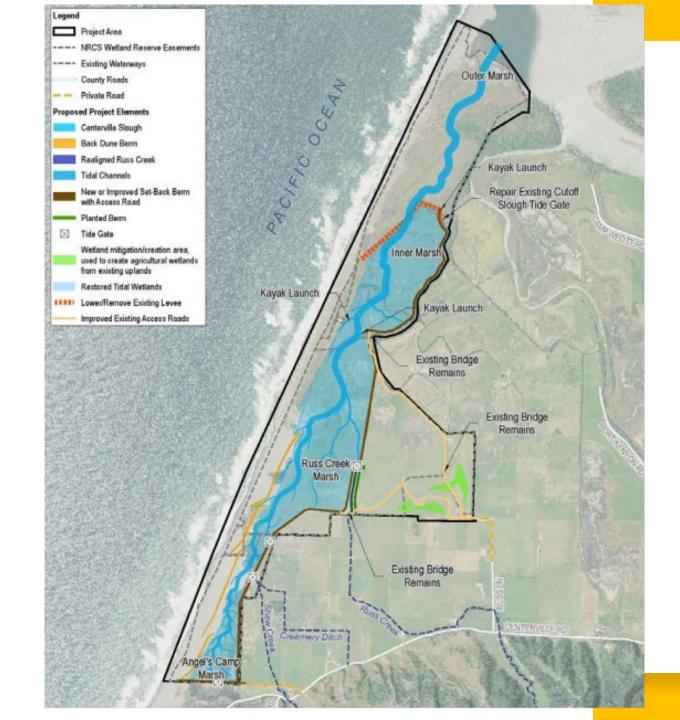
30. Russ Creek and Centerville Slough Restoration

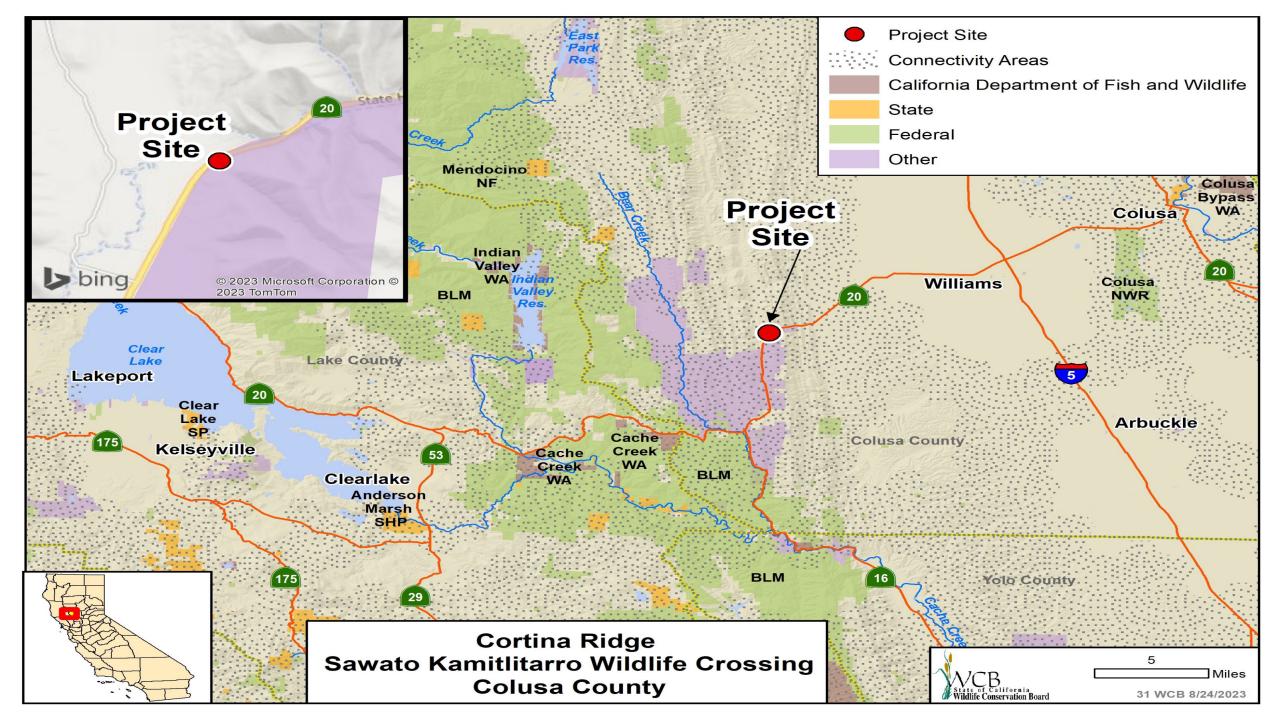
Purpose: Enhance existing tidal wetlands and restore marginal, diked pasture to a mosaic of natural habitats including estuarine and tidal slough channels, freshwater streams, and agricultural pastures, all within the context of promoting the resilience of the Project Area and viability of adjacent agricultural lands.

30. Russ Creek and Centerville Slough Restoration: Components

- Excavate/realign approx. 1,500 linear feet of Russ Creek and establish an adjacent riparian corridor.
- Excavate approximately 4 miles of Centerville Slough to re-connect the Eel River Estuary to restored tidal wetlands and tributary streams.
- Reconnect full tidal exchange to approximately 500 acres of former estuarine habitat and construct inter-tidal lagoons.
- Lower approximately 3,000 ft. of existing levee that currently separates the Outer and Inner Marshes.
- Elevate existing and construct new earthen set-back berm approximately 4 miles in length to separate tidal wetlands from agricultural lands.
- Repair existing tide gate structure including gate replacement/construct approximately four gated culverts along set-back berm.
- Construct approximately 8,000 linear feet of back dune berms with onsite sands to enhance dune building processes.
- Lower up to 40 acres of existing agricultural uplands 1-3 feet to create agricultural wetlands (as-needed to offset fill impacts from new set-back berm).
- Other components: public access improvements, continued control of dense-flowered cordgrass (Spartina)

30. Russ Creek and Centerville Slough Restoration





Cache Creek Tule Elk Herd

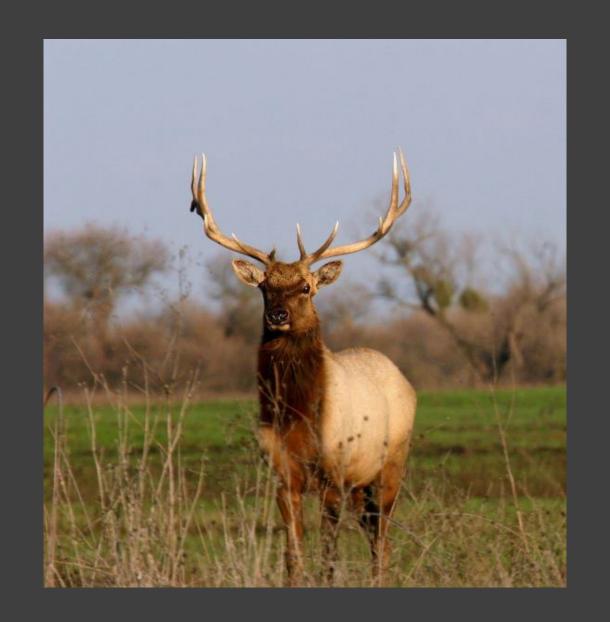
 Oldest free ranging herd of elk in California

1964 - State Route 20 paved and widened

Cache Creek herd is now subdivided

- Cortina Ridge subherd to the south and east
- Antelope Valley subherd to the north and west

2022 CDFW Priority Barrier



CDFW Radio Collar Data





Antelope Valley Subherd

Cortina Ridge Subherd

WCB Projects Near Project Site



Acquisitions:

- 2002 Bear Valley Conservation Area 128,896 acres
- 2006 Cache Creek Conservation Area 3,140 acres
- 2016 Epperson Place Ranch Conservation Easement 1547 acres
- 2018 Keegan Ranch Conservation Easement 2507 acres
- 2019 Whiskey Hill Conservation Easement 2,607 acres
- 2020 Telegraph Ridge Conservation Easement 2,415 acres

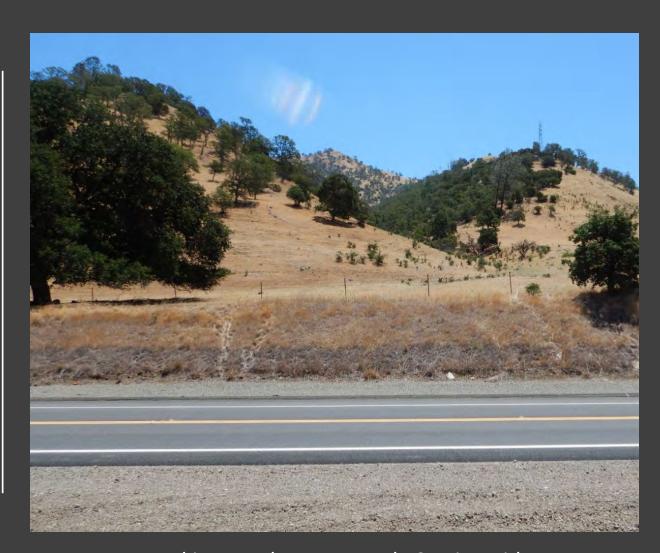
Restoration:

2008 - Bear Creek Watershed Habitat Restoration483 acres of riparian habitat





Looking northwest towards Antelope Valley



Looking southeast towards Cortina Ridge

Proposed Project

Single span bridge:

- 107' length
- 100' width
- 18' vertical clearance

2 feet of earthen fill on the bridge deck for vegetation growth

Wildlife glare screening and cattle fencing



Wildlife Overcrossing Conceptual Drawing



Black Bear



Mule Deer



Tule Elk

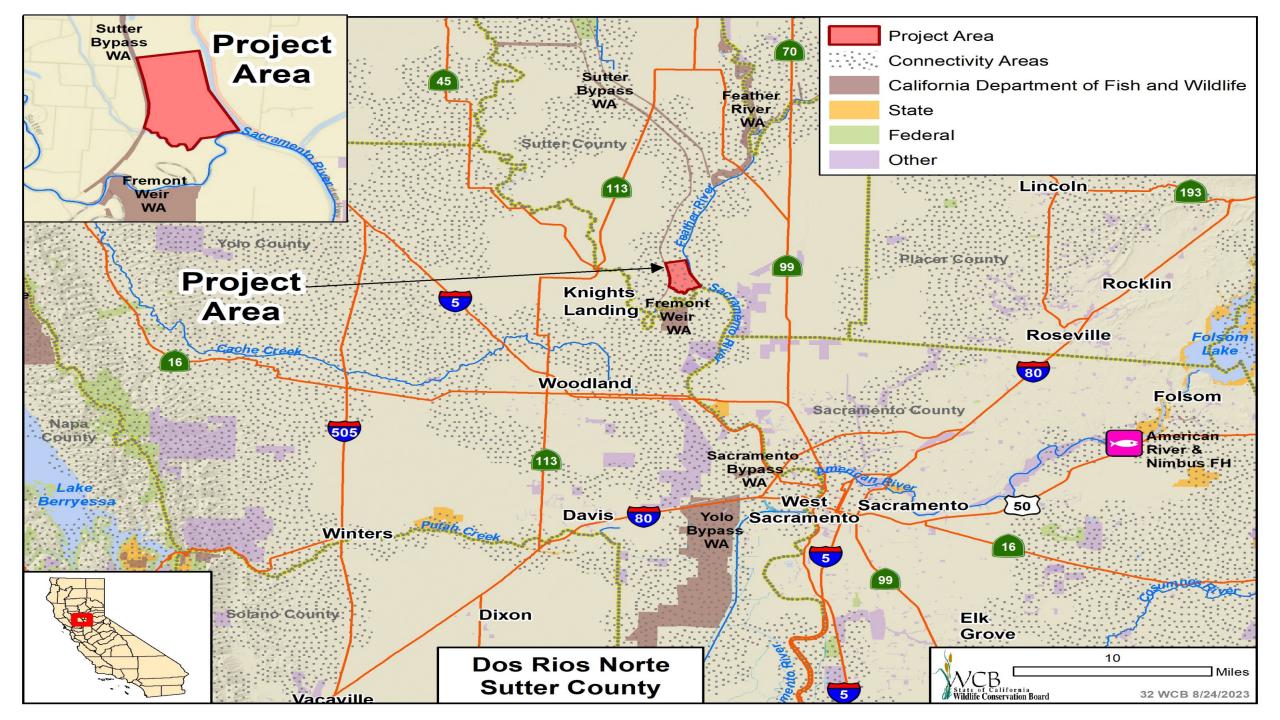


Mountain Lion



Badger

Photos: CDFW





32. Dos Rios Norte

- This photo was taken on the east side of the property from the vantage point of a pump stand on the Feather River.
 Upstream of this site on the Feather River lies the Feather River Wildlife Area and eventually, Oroville Dam.
- Photo Courtesy of River Partners.

32. Dos Rios Norte

Slide 2

View of the Butte Slough that borders the western boundary of the site. This photo was taken while crossing Butte Slough.

Photo Courtesy of River Partners.







32. Dos Rios Norte

Slide 3

These photos were taken from the same position, about 9 months apart at the southern border of the property looking down the Sacramento River to its confluence with the Feather River.

Photos Courtesy of River Partners.



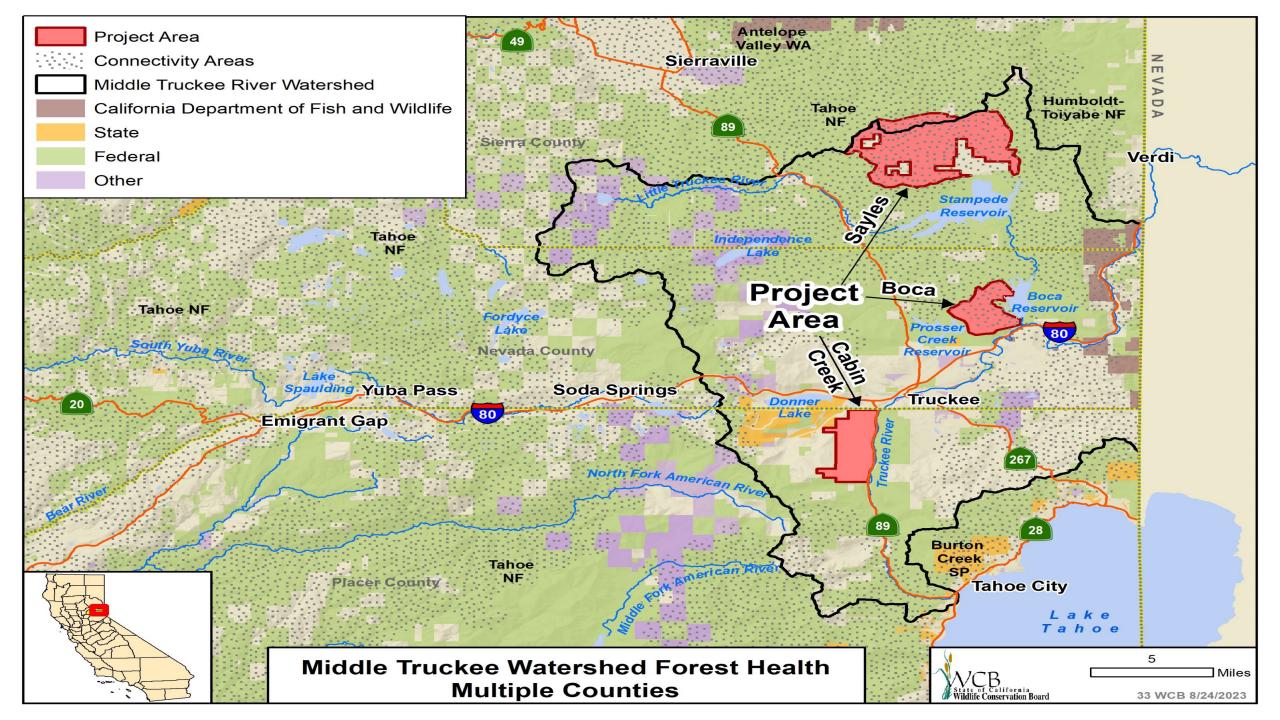
32. Dos Rios Norte

- Representative photo of agricultural fields. The site was recently harvested of tomatoes prior to taking this photo. River Partners will utilize existing irrigation designs in considering restoration potential of several fields at the Dos Rios Norte site.
- Photo Courtesy of River Partners.

32. Dos Rios Norte

- View of the Sacramento River from the southern boundary of the property. This site flooded in winter 2022, experiencing bank erosion and deposition in some places. These features and natural river processes will be promoted through River Partners conservation ownership.
- Photo Courtesy of River Partners.





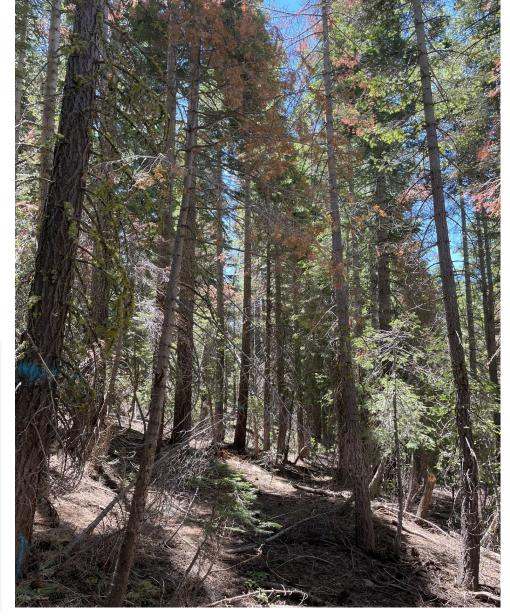


33. Middle Truckee Watershed Forest Health

Slide 1

Existing Conditions

- Lack of disturbance has created densely stocked forests
- Stand conditions are increasing tree mortality
- High fuel loads increase the risk of habitat loss to catastrophic fire



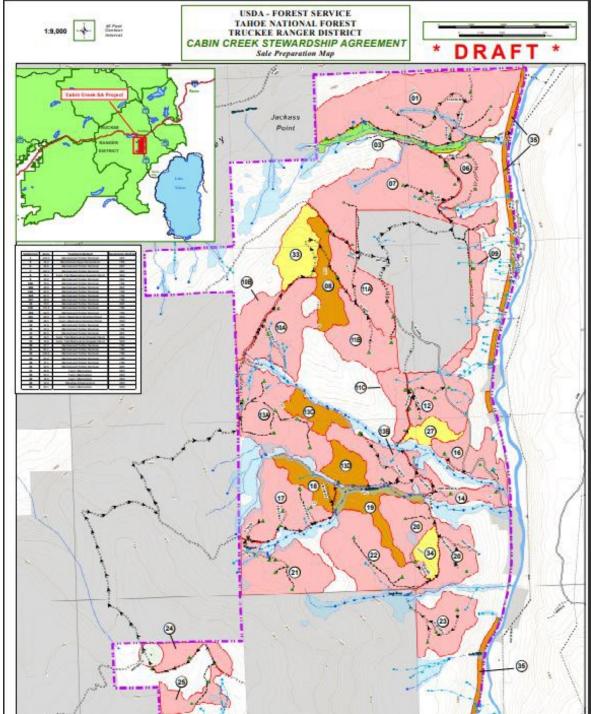
33. Middle Truckee Watershed Forest Health

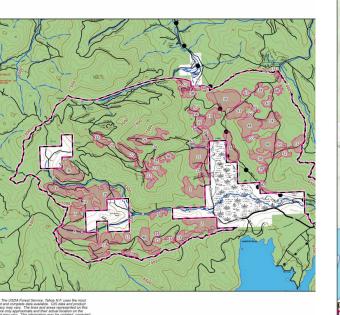
Slide 2

Cabin Creek Implementation

- Vegetation & road treatments to increase habitat quality and resilience
- Benefits Spotted Owl & Northern Goshawk
- Community protection











33. Middle Truckee Watershed Forest Health

Slide 3

Boca & Sayles Restoration Planning & NEPA

- Restoration planning & assessment on 4,000 acres
- Projects identified will include enhancement of:
 - forest health & wildfire resilience
 - ecosystem function
 - biodiversity
- Planning outcomes include:
 - Baseline surveys & associated reports sufficient to enable implementation
 - Signed NEPA decision memo

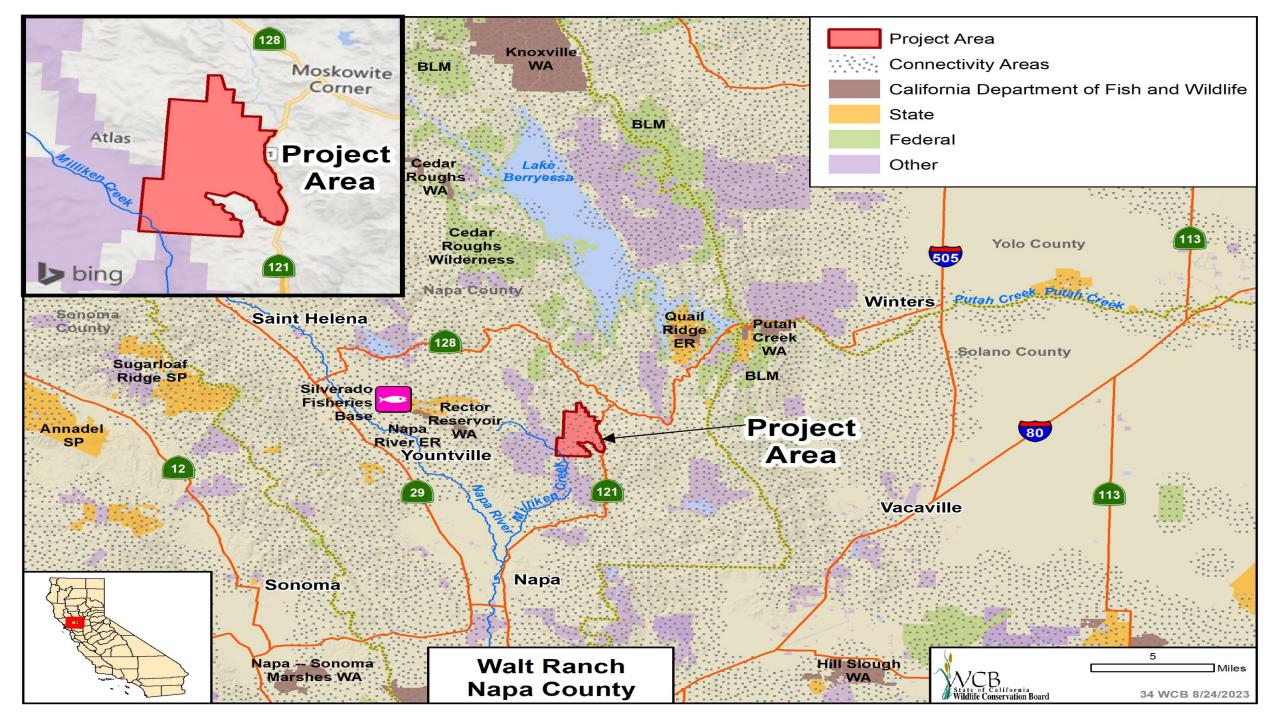
33. Middle Truckee Watershed Forest Health

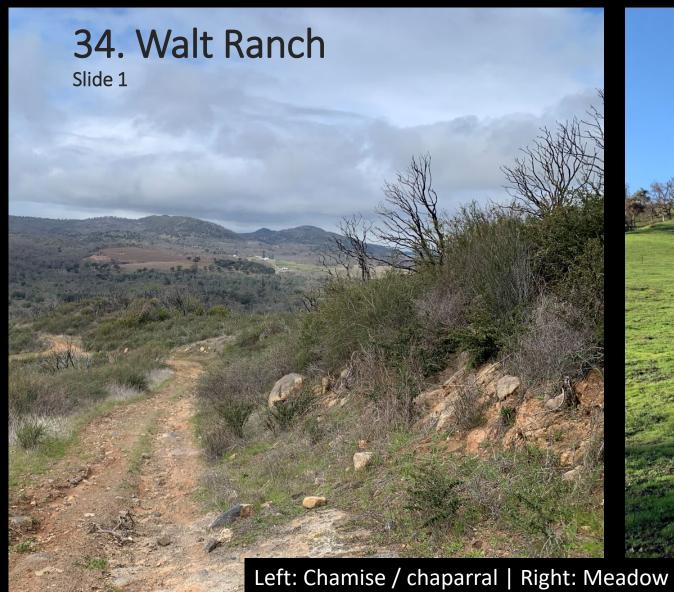
Slide 4

Outcomes

- 1,924 acres of forest health enhancement
- Reduced risk of catastrophic wildfire impacts to forests and communities
- Sensitive species habitat enhancement
- Implementation-ready projects on 4,000 acres
- Increased pace and scale of forest treatments









Left: Chamise / chaparral | Right: Meadow Photo credit: Land Trust of Napa County

34. Walt Ranch Slide 2





- Rare plants: Jepson's leptosiphon (left) and Narrow-flowered California brodiaea (right)
- Photo credit: Land Trust of Napa County



34. Walt Ranch

Walt Ranch and Nearby Protected Lands



Circle R Ranch

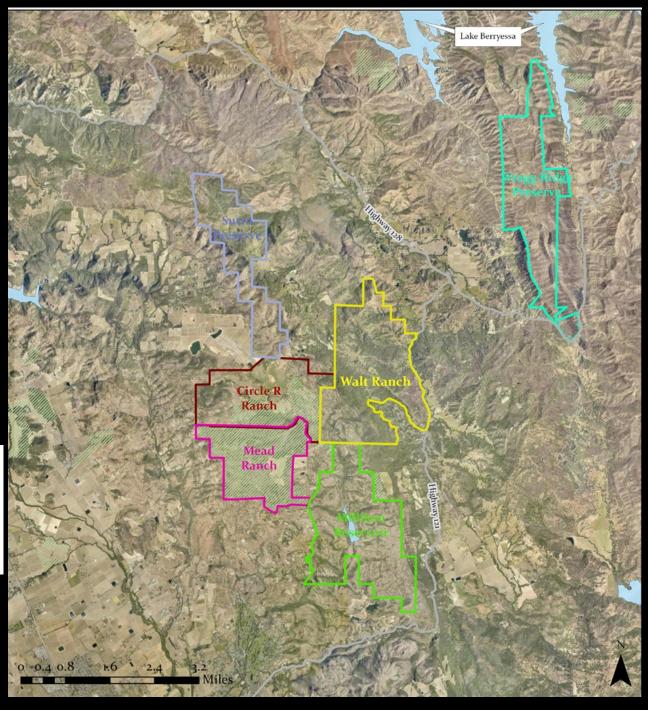
Conservation Easement

Water

Data Sources: CLN GIS Database 2.0.1 Napa Co. GIS

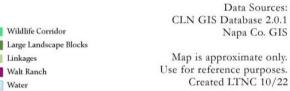
Map is approximate only. Use for reference purposes. Created LTNC 10/22





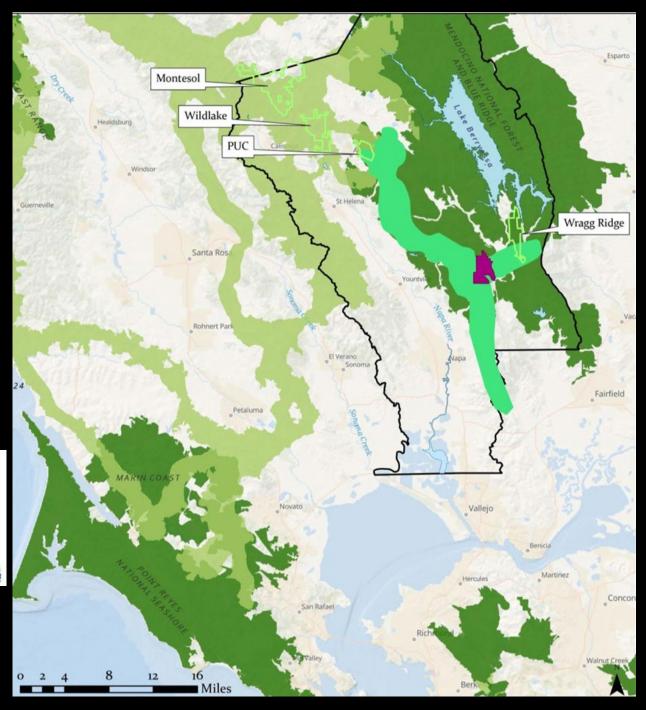
34. Walt Ranch

Walt Ranch and Wildlife Corridors



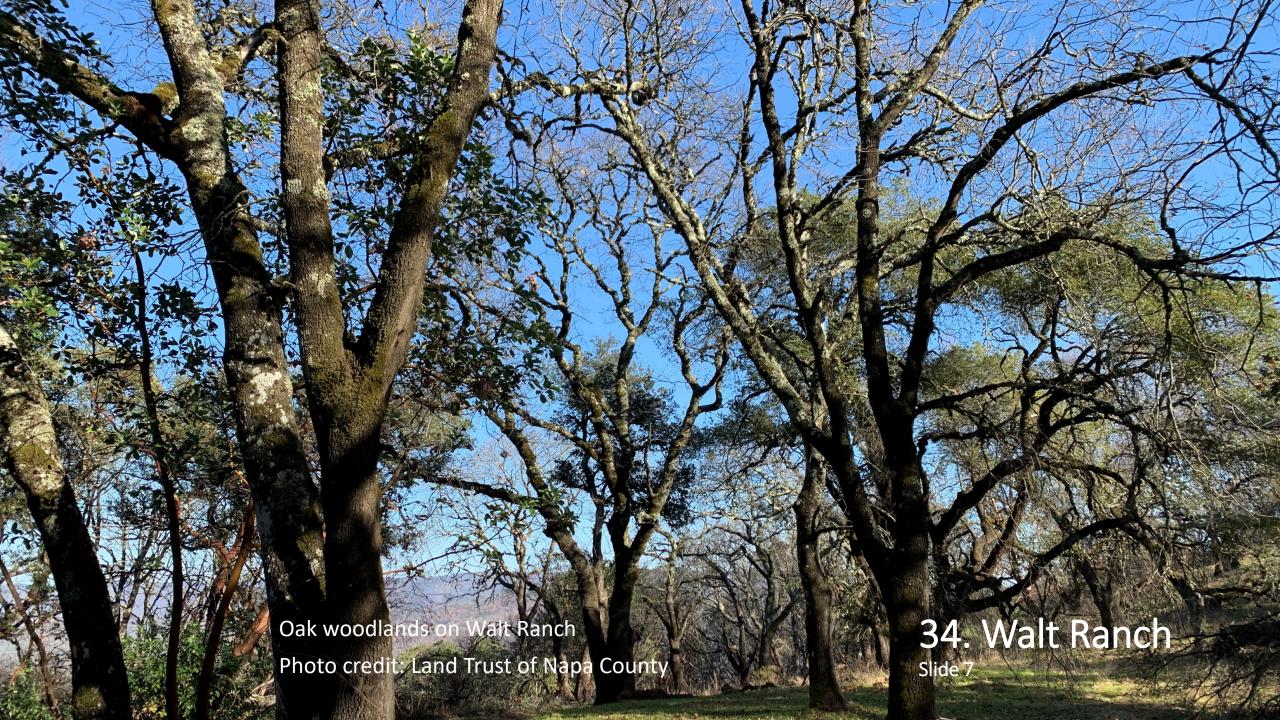
Napa County





34. Walt Ranch





\$40 million SJV Floodplain Restoration

SB179 Budget Act of 2022 19.58(b)(2)(A)(i)

"These funds shall be for the River Partners for the development and delivery of multi-benefit floodplain reconnection and habitat restoration projects in the San Joaquin and Tulare Basins. Eligible expenditures may include, but are not limited to, acquisition, planning and permitting, and scientific research supporting project implementation, including ground-based geophysics, habitat restoration benefitting dwindling wildlife, and habitat maintenance."



\$40 million SJV Floodplains Program

SB179 Budget Act of 2022 19.58

- 1,000 acres floodplain land protection including 3,000 acre-feet of permanent water demand reduction
 - Modesto to Bakersfield along 5 rivers: San Joaquin, Merced, Fresno, Kings, Kern
- 10 floodplain restoration projects advanced through planning, analysis and permitting
- 6 floodplain restoration projects advanced through implementation and maintenance
- 8 research partnerships advancing groundwater recharge and climate resilience
- Leverage to secure >\$60 million additional funds from federal and private sources







Prioritization

San Joaquin Valley Floodplains

- 22 years of community engagement, project development and partnerships
- Pipeline of projects that are ready for funding that exceeds \$280million in 30 projects from Stockton to Bakersfield
- Working to include funding for these multi-benefit projects in state and federal programs
- Advancing the most shovel-ready projects with the largest positive effects on:
 - Wildlife habitat restoration
 - Flood risk reduction
 - Groundwater recharge and water conservation
 - Cultural preservation and community enrichment
- Matching needed investments with types of possible funding

The San Joaquin and Tulare Basin **Planning Project Multiple Counties** San Joaquin County Mono County Modesto County Merced **Madera County** Chowchilla Santa Clara County Firebaugh Fresno Fresno County Fort Irwin Z · Riverdale Huron Coalinga **Tulare County Kings County Kern County** Cayucos San Luis Bakersfield Obispo County **Project Site** Lamont National Geographic, Esri, Garmin, HERE, UNEP-WOME, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp. 35 WCB 8/24/2023

35. San Joaquin and Tulare Basin Planning Project Map

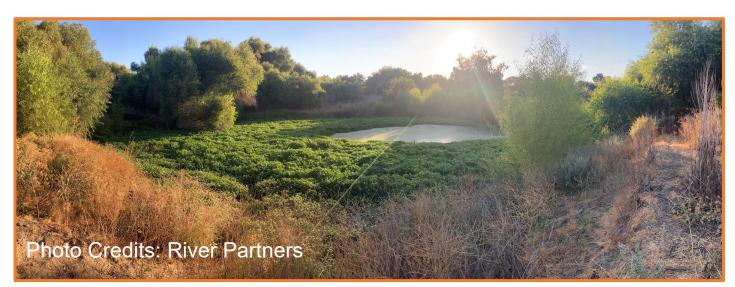
Slide 1



35. San Joaquin and Tulare Basin Planning Project

Project Need

- San Joaquin and Tulare Basin highly human altered, especially by agricultural use
- Issues:
 - Limited flood conveyance
 - Drought & fire
 - Habitat loss
 - Corridor fragmentation
- Highly invaded landscapes, limited native vegetation







35. San Joaquin and Tulare Basin Planning Project Slide 3

Project Goals

- Complete planning, permitting, and design plans for at least 3,000 acres of floodplain restoration projects.
- Design and conduct Before-After Control-Impact Monitoring.
- Identify and meet seed/plant needs for at least 10 floodplain restoration projects.
- Assess potential for groundwater recharge.





35. San Joaquin and Tulare Basin Planning Project Slide 4

Solution

- Submit permit/permit applications and complete CEQA for each restoration site.
 - Develop restoration plan for each site.
- Develop BACI Monitoring
 - Compare pre-restoration conditions at project sites to know age postrestoration sites.
 - Develop monitoring plan for each
- Assess native seed availability and develop collection and amplification methods for up to 50 new species.
 - Collect seeds
 - On-farm amplification
- Research Groundwater Dependent Ecosystems
 - Two research projects
 - Evaluate recharge potential & reliance of vegetation





San Joaquin and Tulare Basin Planning Project

Slide 5

Project Outcomes

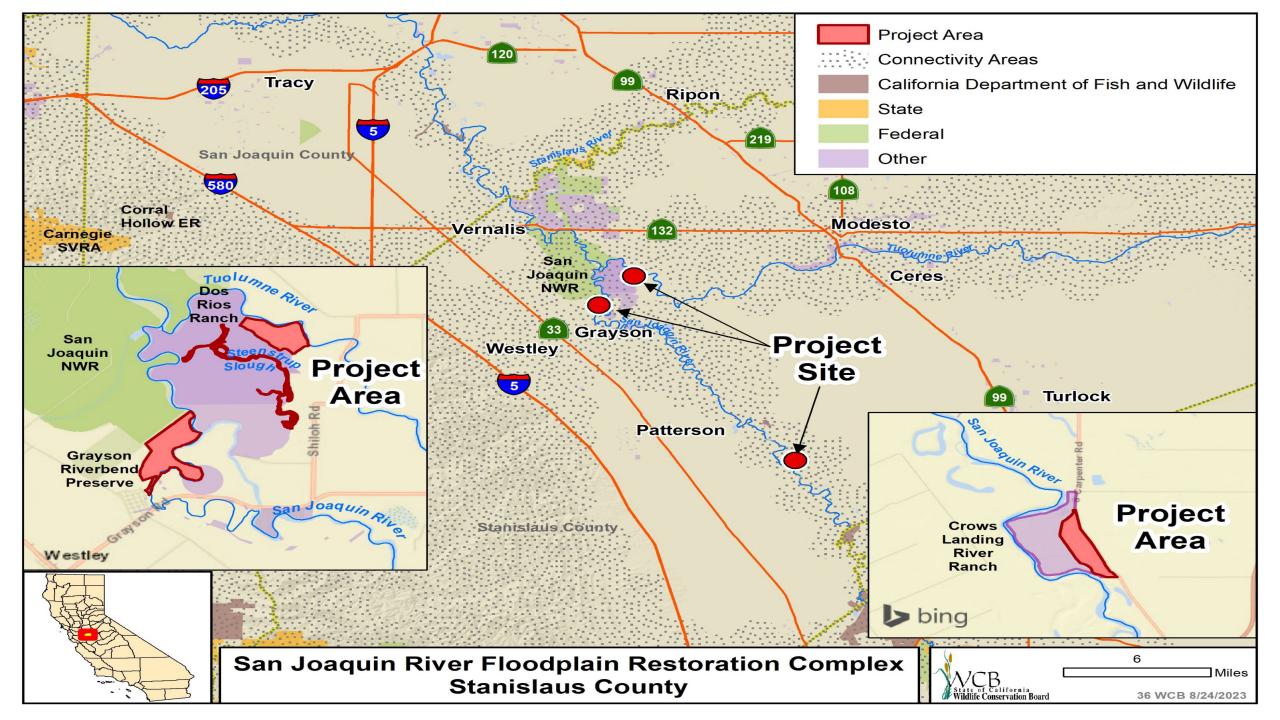
- 3,000+ acres of shovel-ready projects to create selfsustaining riparian habitat along 2 major rivers
 - Increased native plant diversity
 - Restored habitat for wildlife
- Determine best practices for native seed production and amplification
 - Produce quality seed
- Gain understanding of ecosystem reliance on groundwater











PROJECT NEED

Dos Rios and Grayson

2022-23 winter flooding caused significant damage to recent public investments in floodplain restoration and fish and wildlife habitat restoration.



PROJECT NEED Crows Landing River Ranch

• Native habitat removed nearly a century ago.

 Property acquired for conservation and regional flood management improvements.

• Dairy facilities and infrastructure prevent habitat restoration from occurring on dry side of the levee.



PROJECT GOAL

Establish over 400 acres of sustainable wildlife habitat along the San Joaquin River for riparian obligate species and pollinators.



PROJECT SOLUTIONS Dos Rios and Grayson

- Repair flood-damaged roads and irrigation systems at Grayson.
- Replant up to 330 acres of riparian vegetation using adaptive management.
- Enhance Steenstrup Slough at Dos Rios to prevent invasion by common reed.
- Maintain and monitor 400 acres of habitat for 2.5 years



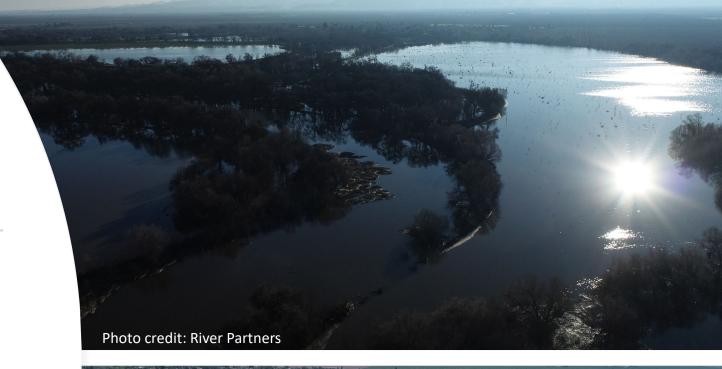
PROJECT SOLUTIONS Crows Landing River Ranch

- Remove dairy buildings and infrastructure
- Clean dairy lagoon
- Collect baseline data
- Develop planting palette and layout
- Prepare 75 acres for planting
- Restore oak woodland and riparian scrub communities
- Complete annual qualitative and quantitative performance monitoring

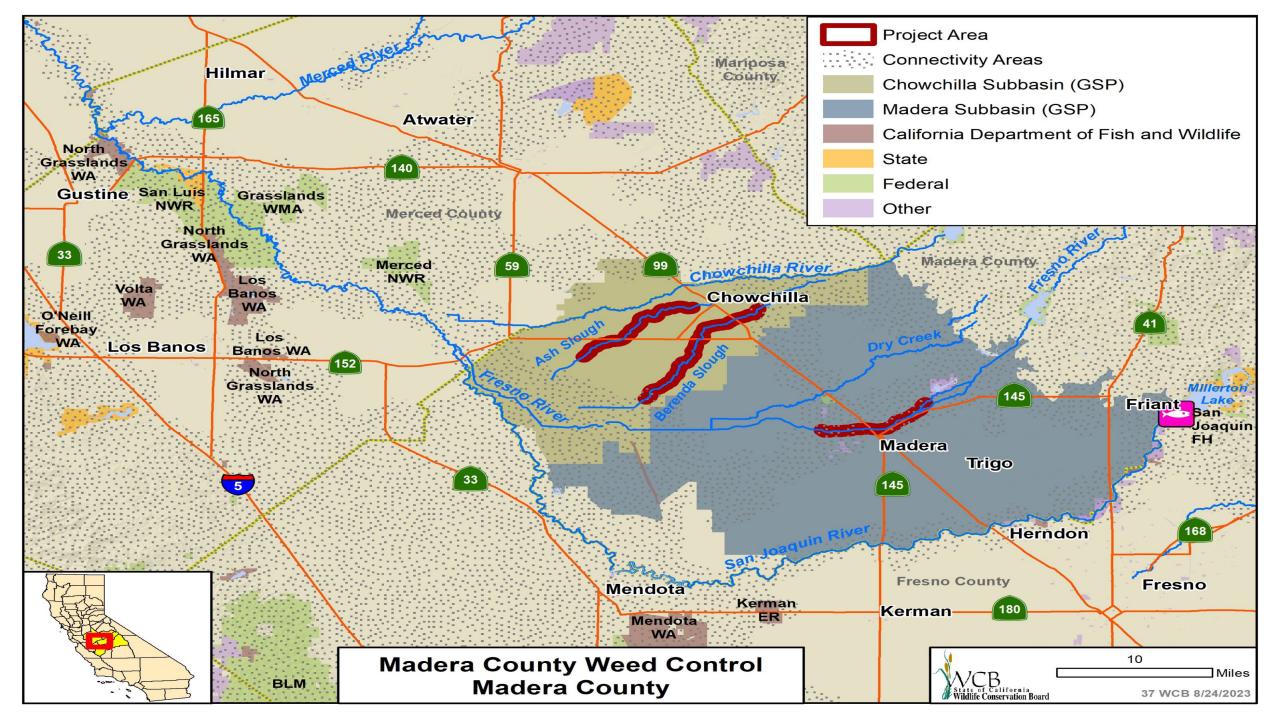


PROJECT OUTCOMES

- 330 acres of established native habitat at Dos Rios and Grayson.
- 75 acres of new native habitat and 7 acres of enhanced open water feature at Crows Landing.
- Conversion of Crows Landing from carbon source to carbon sink.
- Reduced chemical inputs and exposure
- Monitoring data that will inform adaptative management of each site.







37. Madera County Weed Control Slide 1

Project Need

- Madera and Chowchilla subbasins invaded by dense stands of Arundo
- Dense Arundo provides little to no habitat value for wildlife
- Arundo is water intensive, placing strain on the critically over drafted Madera County water basin.
- Arundo limits flood conveyance
- Arundo poses high fire risk when wet or dry
- Arundo can easily spread









37. Madera County Weed Control Slide 2





Project Goals

- Decrease Arundo density and cover
 - 10% ≤
 - Build ecosystem resilience

37. Madera County Weed Control Slide 3

Solution

- Treat 100-200 acres of riparian habitat
- Monitor and adaptively manage
 - Remove biomass
 - Apply herbicide to resprout
- Minimize Chemical Impact
 - Avoid Elderberry
 - No use when wind ≥ 7 mph
 - Adherence to labeling and laws
 - Crop oil on target plants
- Contribute weed mapping, management, and monitoring data



37. Madera County Weed Control Slide 4

Project Outcomes

- First step in eradication of 100-200 acres of Arundo and restoration of native habitat throughout the Chowchilla and Madera subbasins.
 - leverage support and methods to garner additional funding
- Resilient landscape to drought, fire and flooding.

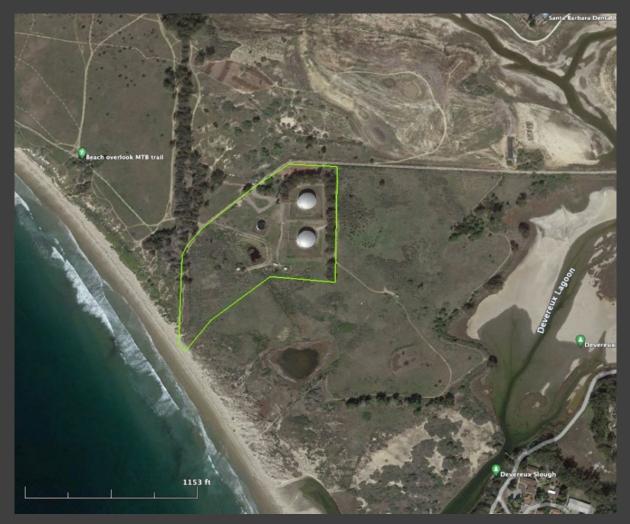




38. Ellwood Marine Terminal Restoration

Ellwood Marine Terminal

- 19-acre site
 - Marine terminal with tanks, ballast ponds, pumps and piping
 - Decommissioned in 2014 and
 - Scheduled to be demolished and remediated in 2023-24.
- Adjacent to protected lands
 - Upper Devereux Slough
 - Coal Oil Point Reserve (COPR)
 - City of Goleta's Sperling Preserve
- Currently dominated by invasive plants
 - Non-native annual grasses
 - Pampas grass
 - Fennel
 - Eucalyptus



Project Site

38. Ellwood Marine Terminal Restoration Slide 2



Decommissioned Marine Terminal Infrastructure

Photo: UCSB

38. Ellwood Marine Terminal Restoration Slide 3



Vernal pool



Perennial bunch grass

Habitat restoration:

Vernal pools (1.53 ac)

Perennial bunch grass (3.63 ac)

Coastal sage scrub (9.37 ac)

Oak woodlands (2.06 ac)

Coastal grassland (0.5 ac)

Coastal dunes (0.28 ac)



Coastal sage scrub

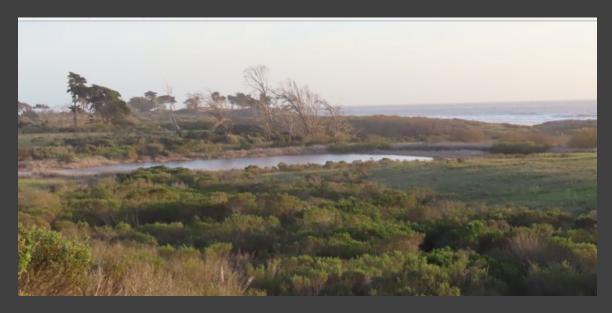


Coastal dunes

Photos: UCSB

38. Ellwood Marine Terminal Restoration Slide 4

- Restore freshwater seep connection to COPR
- Connect to California Coastal Trail
- Access for native Chumash
- Sensitive species habitat





38. Ellwood Marine Terminal Restoration

Slide 5

Western pond turtle



Photo: CDFW

Belding's Savannah Sparrow



Photo: CDFW

Burrowing owl



Photo: CDFW

California red-legged frog



Photo: National Park Service

White-tailed kite

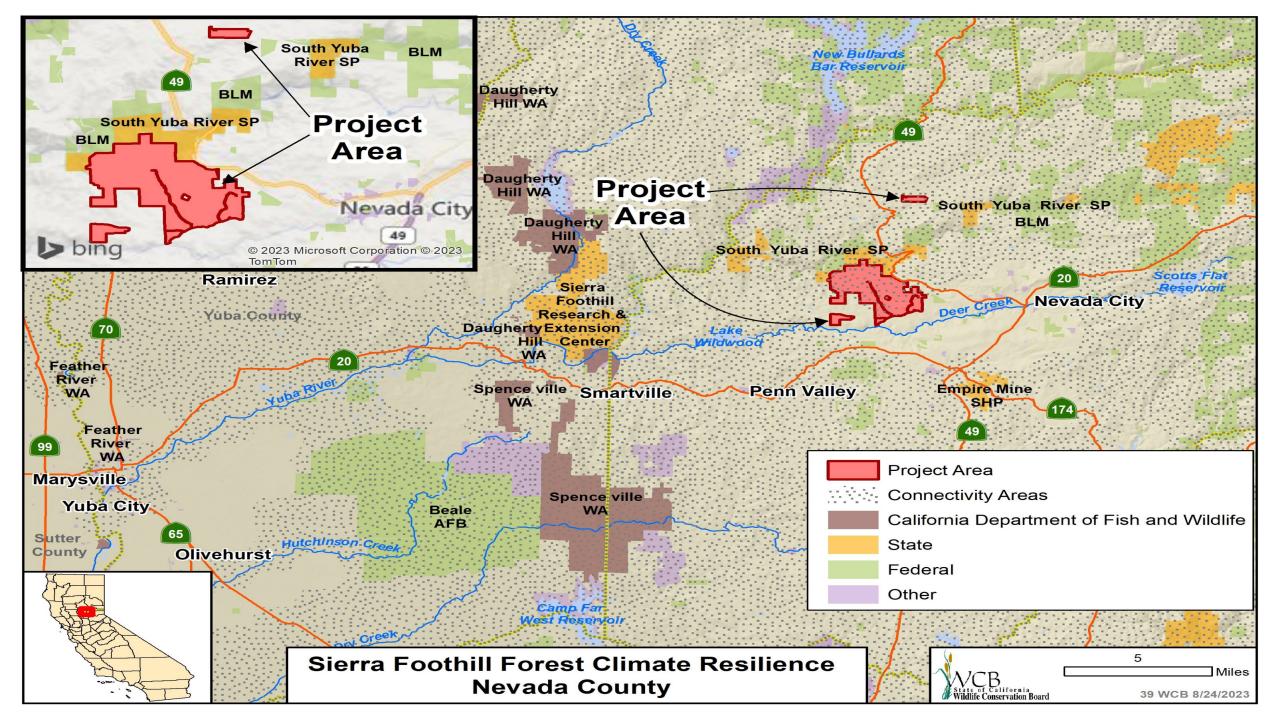


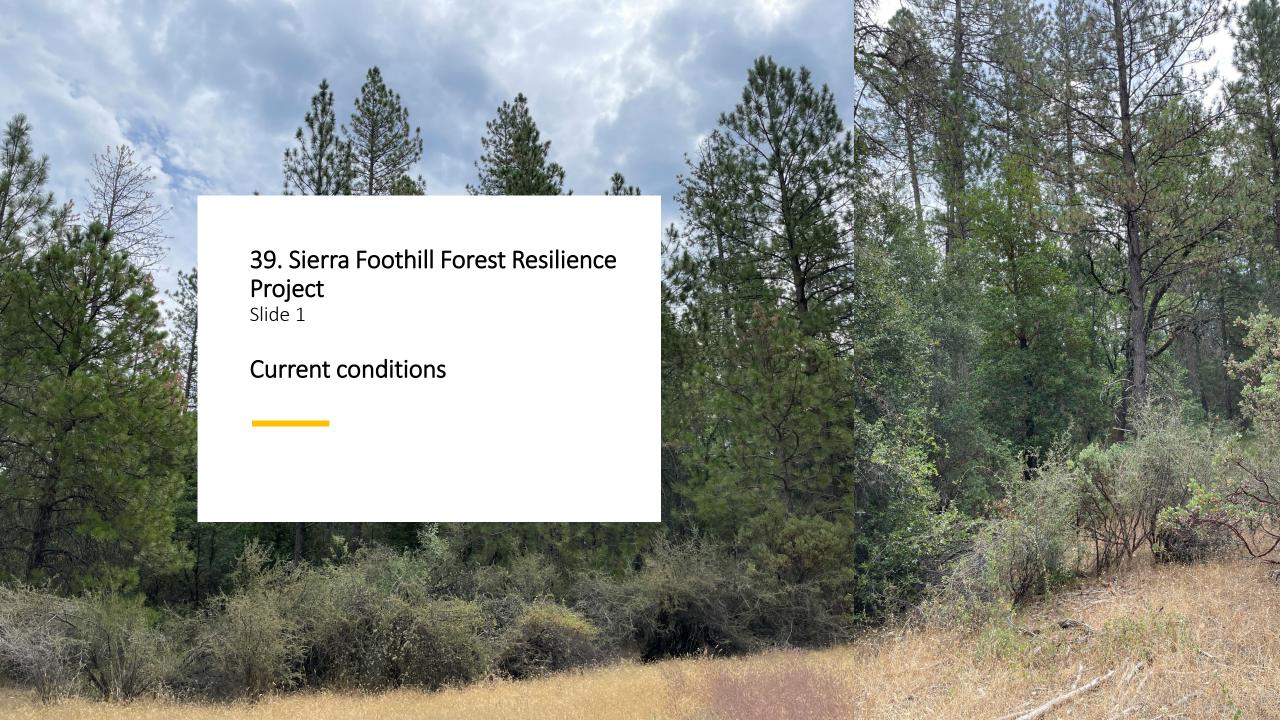
Photo: U.S. National Audubon Society

Belted kingfisher



Photo: U.S. National Park Service





Slide 2

Objectives:

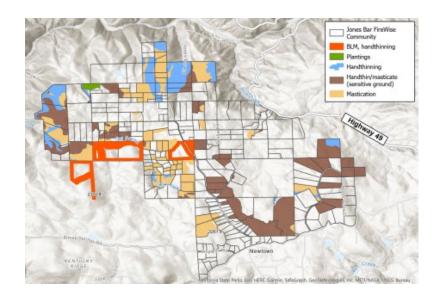
- Reduction of fuels on target private and public lands;
- Post-fire habitat restoration, invasive plant management, and native revegetation;
- Community engagement, working directly with private landowners to achieve shared management goals and Community Toolkit followup from the planning phase;
- Implement a WCB-funded planning phase



39. Sierra Foothill Forest Resilience Project: Addressing Climate Impacts

Slide 3

Simulation of forest canopy cover, pre- and post thinning.



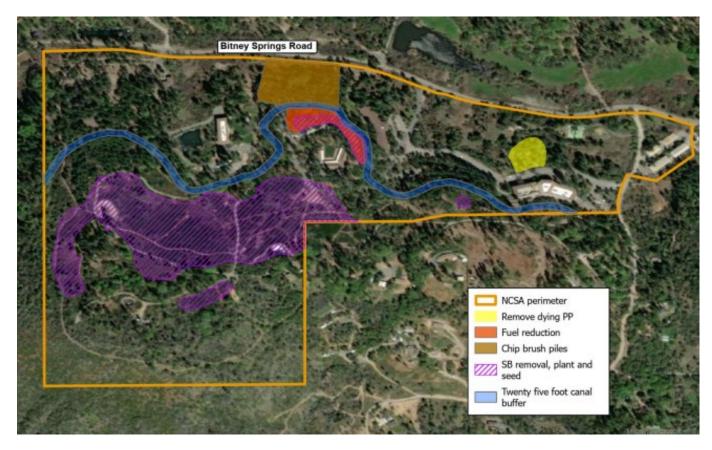
- Incorporate fuel reduction, forest ecological integrity, and habitat
- Landscape-scale forest restoration and management across public/private land ownership
- Native plant selection for projected conditions under climate change
- Increase soil organic carbon

complexity

Slide 4

Nevada City School of the Arts

Recommended Treatments

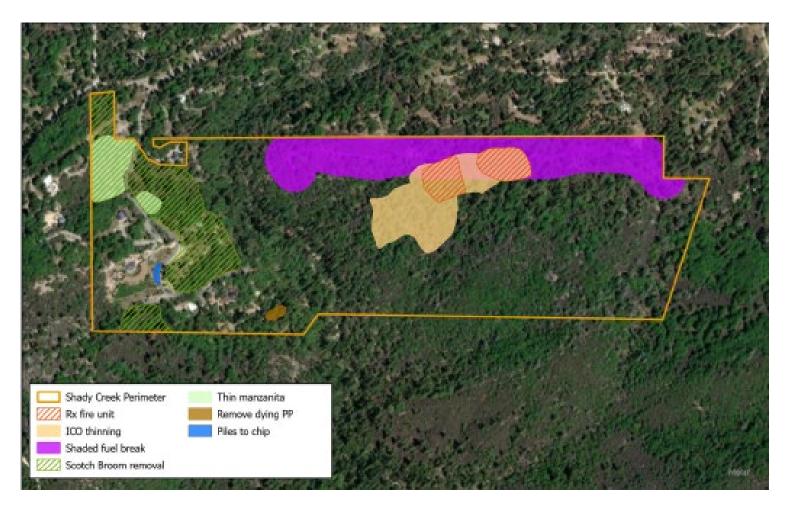






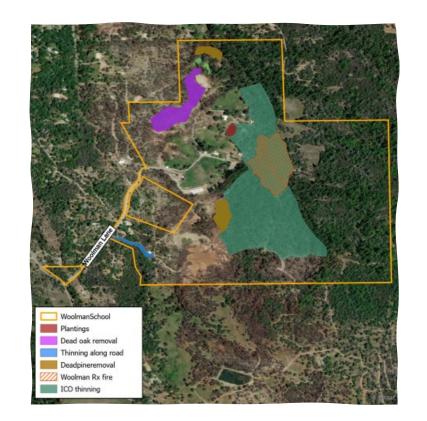
Slide 5

Shady Creek Outdoor School





Recommended Treatments Above: Proposed area for thinning and prescribed burn







Slide 6

Woolman Outdoor School

Recommended Treatments

39. Sierra Foothill Forest Climate Resilience

Slide 7

Recommended Treatments

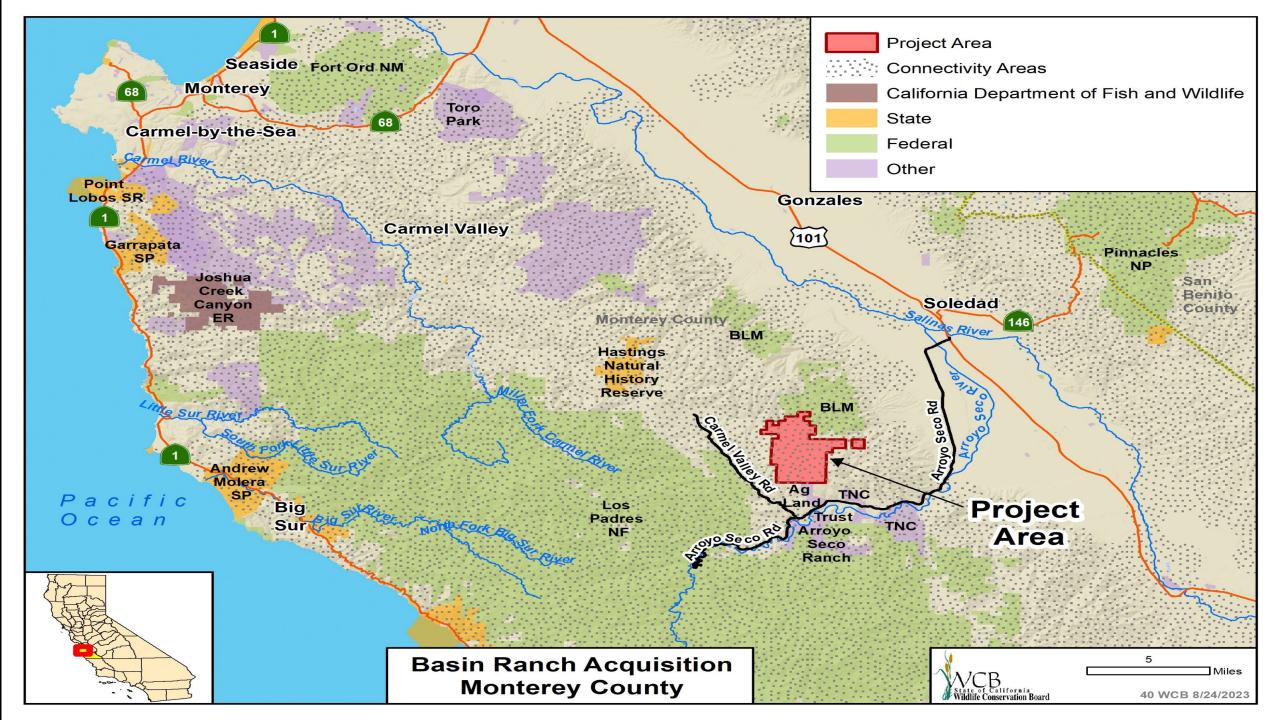
Top: Small diameter oak and brush at BLM site.

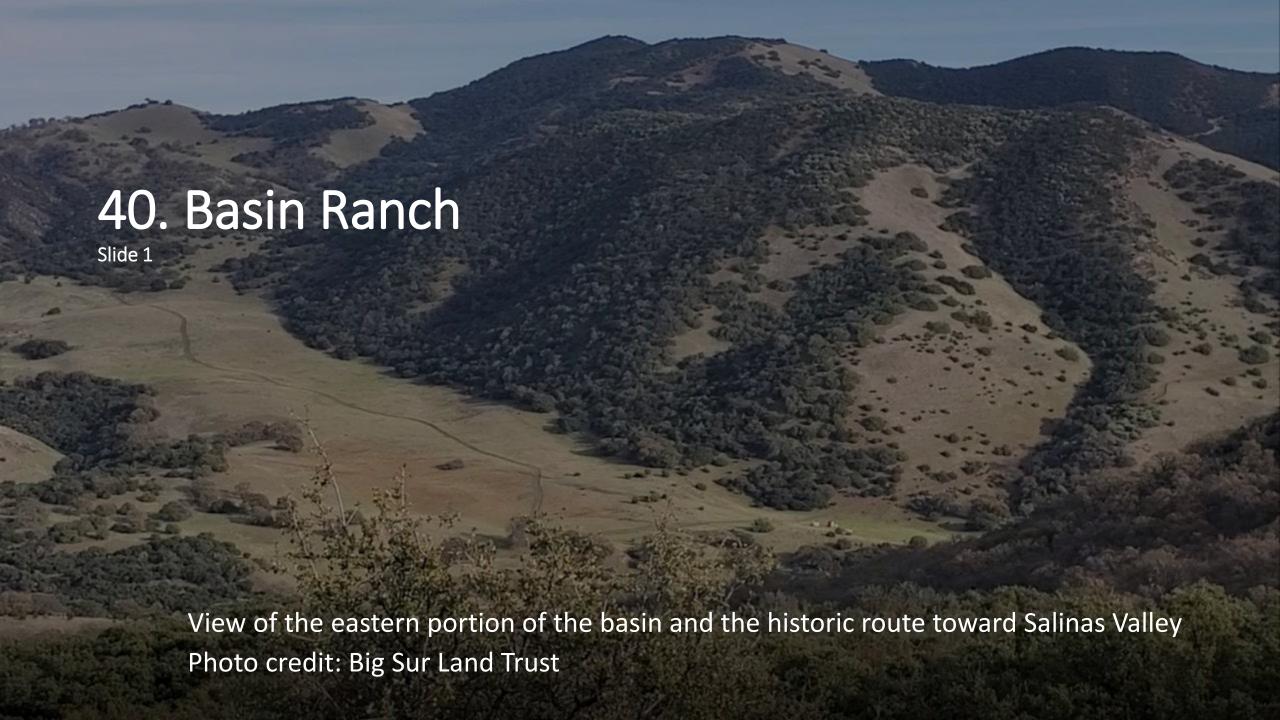
Bottom: Pleasant Fire (August 2022) scar – proposed

planting site

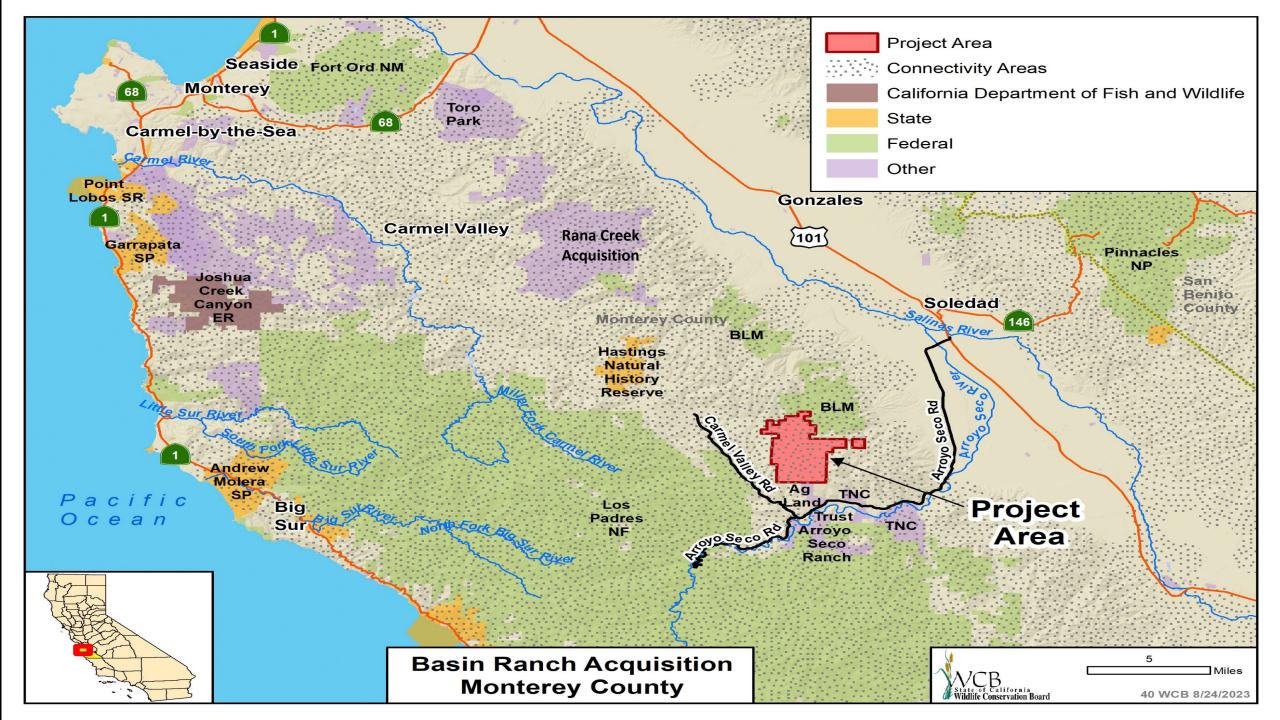












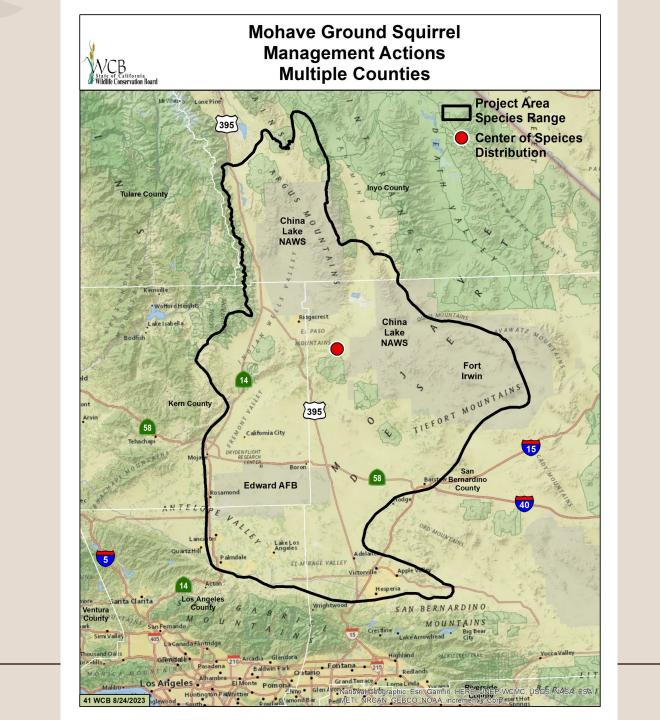


40. Basin Ranch
Slide 5



Photo credit: Big Sur Land Trust





41. Mohave Ground Squirrel Management Actions

Slide 1



41. Mohave Ground Squirrel Management Actions

Slide 2

Mohave Ground Squirrel

Life History

- Small geographical range
- Difficult to study because they are only above ground a few months of the year.
- Does not reproduce if there isn't enough food
- Solitary
- Most easy-going of the ground squirrels



Photo: Freya Reder

41. Mohave Ground Squirrel Management Actions

Project Details

Why is this study important?

- Population size and distribution of MGS unknown
- Listing
 - USFWS listing not warranted partially because of lack of population data

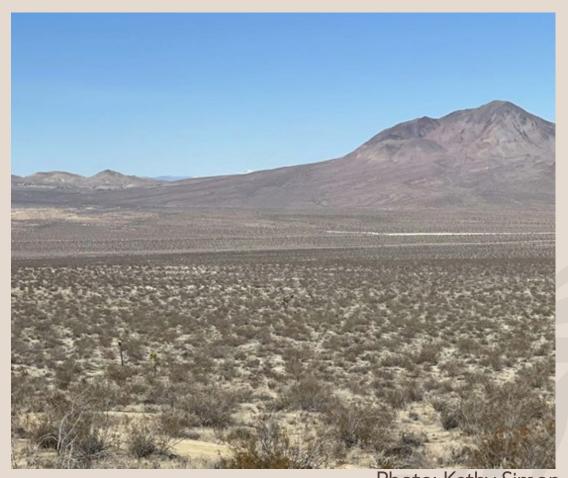


Photo: Kathy Simon

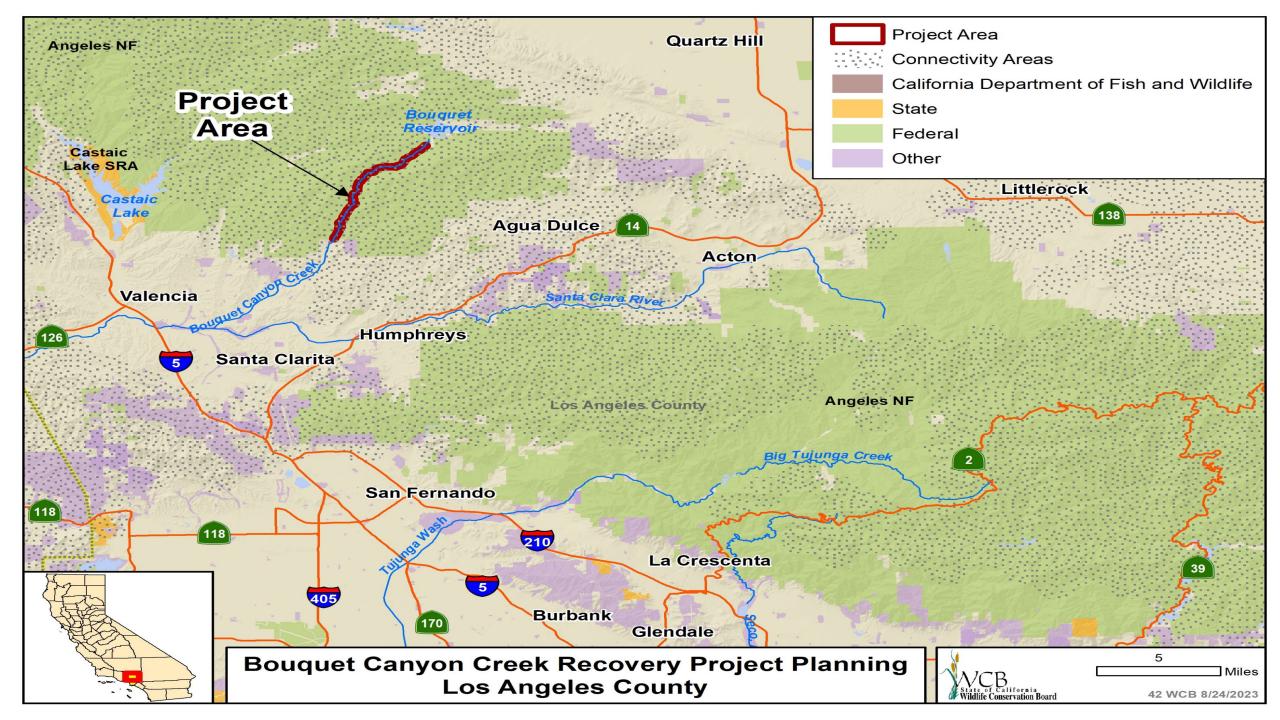
41. Mohave Ground Squirrel Management Actions

Project Details

Study:

- Pilot study
- Long-term monitoring
- Study Objective: survey protocol and population assessment





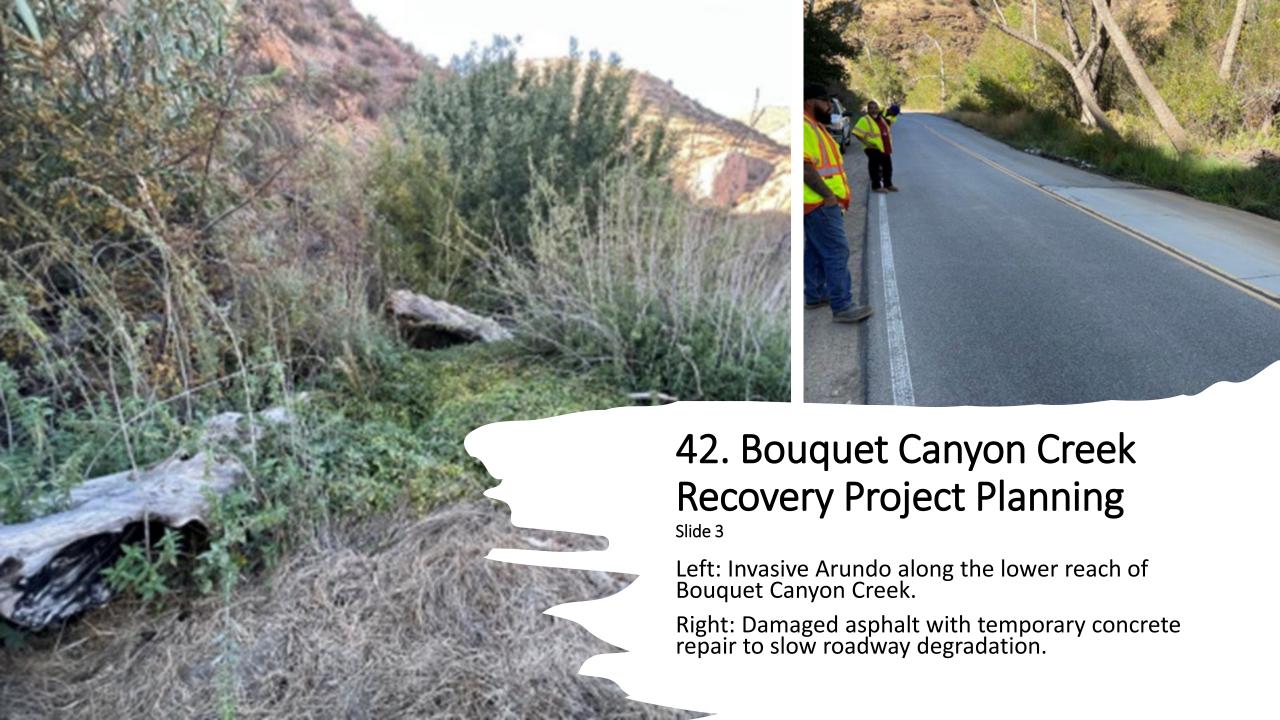
42. Bouquet Canyon Creek Recovery Project Planning

Slide 1

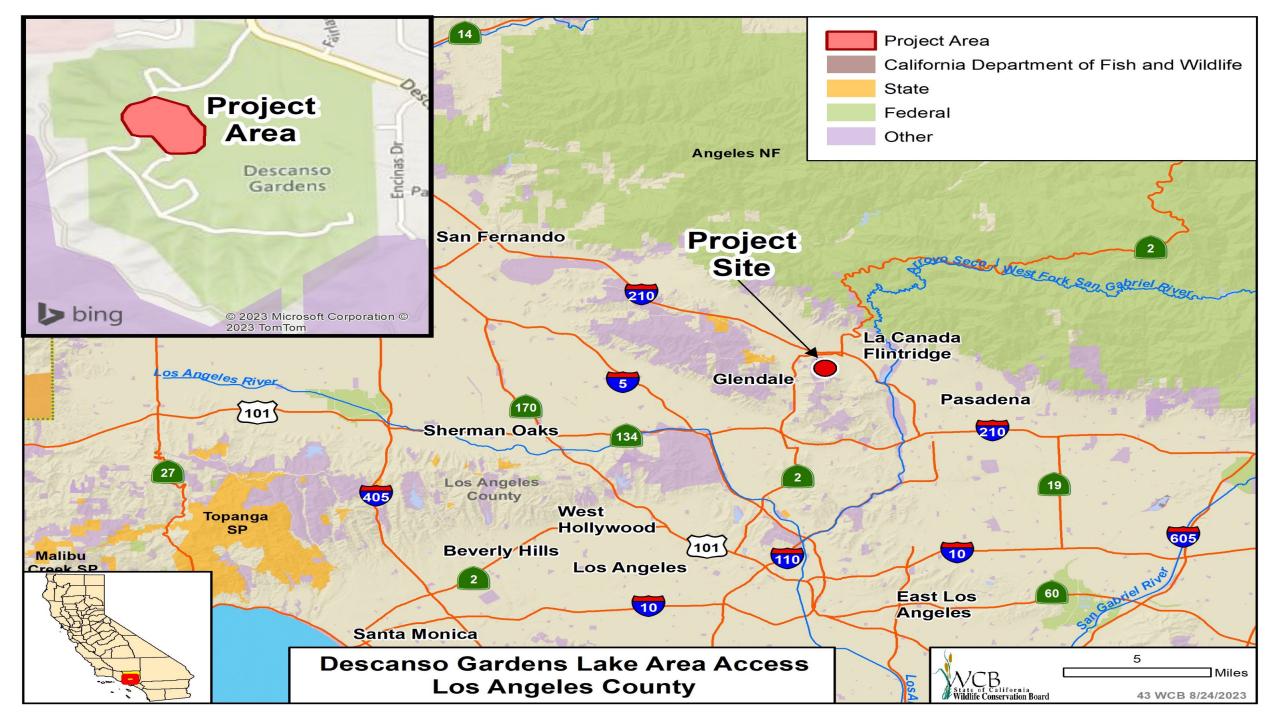
Bouquet Canyon Creek within the project area.













43. Descanso Gardens Lake Area Access Slide 2

• The exhibits in the Boddy House educate young visitors about the wildlife corridors around Descanso Gardens and the greater Los Angeles area.

 Bottom: Interactive floor map shows terrestrial (yellow) and aquatic (blue) corridors.

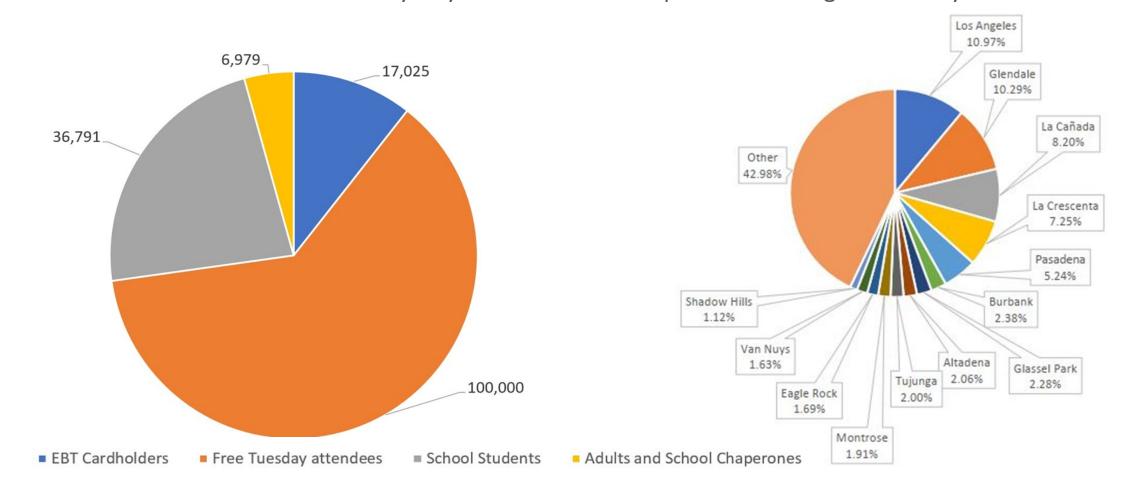
• Top: Example camera trap allows children to crawl through and be captured on video as if they are a mountain lion.



43. Descanso Gardens Lake Area Access

Slide 3

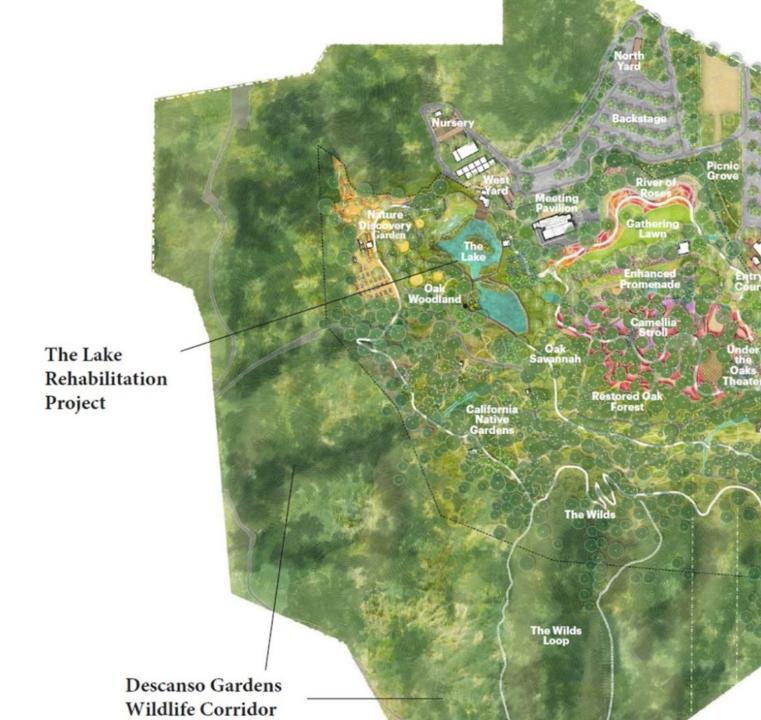
- Free admission provided in 2018-2022 Total: 160,785 visitors
- 2021 Visitation by City 57% of visitors represent Los Angeles County



43. Descanso Gardens Lake Area Access

Slide 4

 Map of Descanso Gardens and location of the Lake Area.
 Courtesy of Descanso
 Gardens Foundation.







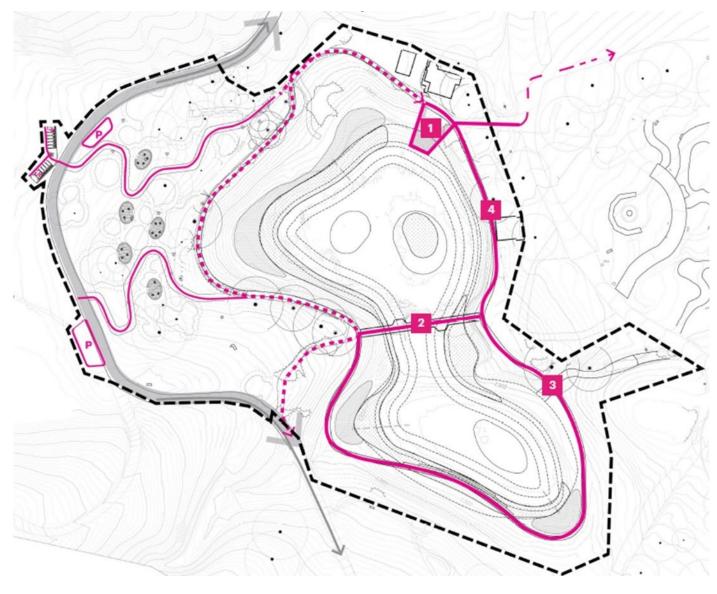
43. Descanso Gardens Lake Area Access

Slide 5



- Above: Current condition of the Lake Area. Aging infrastructure and years of drought have impacted the habitat value of the lakes.
- Left: Pathways around the lake are in poor condition, do not support ADA access, and do not complete a loop around the lake. Courtesy of Descanso Gardens Foundation.

43. Descanso Gardens Lake Area Access



 Accessible path system will include a boardwalk and two bridges to provide access for wildlife viewing as well as connect the Lake Area with the new restrooms and interpretive installations. Courtesy of Descanso Gardens Foundation.

Existing Service Loop

» Dimension: 12' width

- ADA Accessible Path System

- » Dimension: 4'-8' width with 5% max. slope
- » Material: stable, firm and slip resistant

- - Existing Accessible Path

» Accessible Path of Travel around Lake

Potential ADA Drop-off Zone

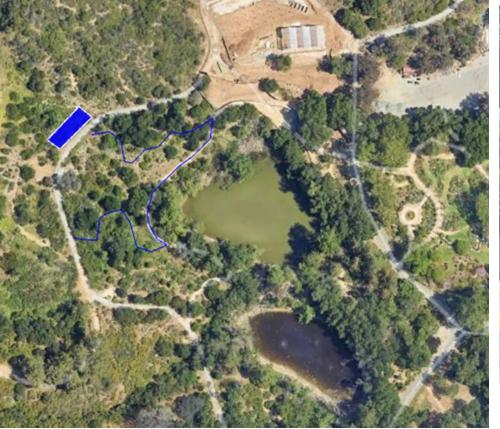
- » Adjacent to the service loop, restrooms, Nest Rooms and the lake
- 1 ADA compliant lake overlook
- 2 ADA compliant lake bridge
- 3 ADA compliant waterfall bridge
- 4 ADA access to existing ramp at bird observation house





43. Descanso Gardens Lake Area Access

- Existing bird observation deck. The ramp will be adjusted to a gentler grade and the future boardwalk will be adjacent to the building. Courtesy of Descanso Gardens Foundation.
- Bird species information is updated seasonally, and docents are stationed in the observation deck.





43. Descanso Gardens Lake Area Access

Slide 8

The new restroom will be connected to Descanso Gardens' existing Membrane Bio-Reactor (MBR) for wastewater recycling.

Left: Location of new restroom and pathways through the children's nature area are shown in blue.

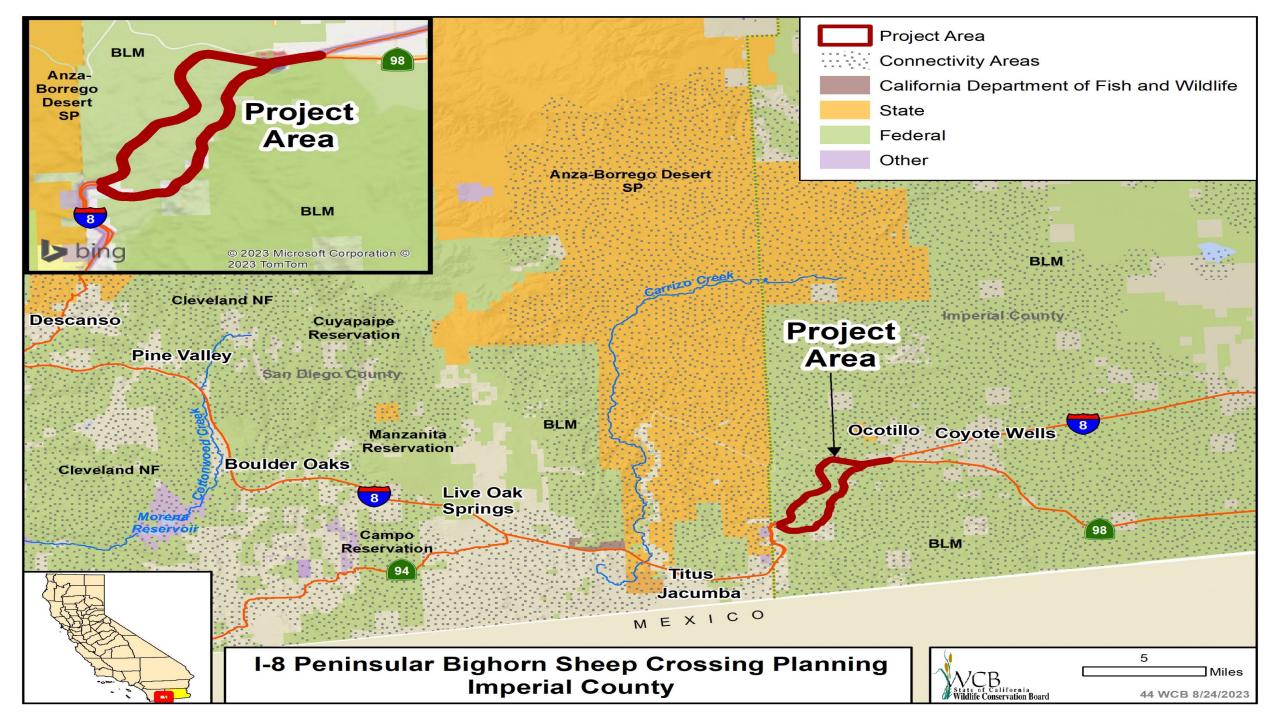






Renderings of proposed children's interactive nature area and "nest rooms".

Courtesy of Descanso Gardens Foundation.



44. I-8 Peninsular Bighorn Sheep Crossing Planning Slide 1

Peninsular Mountain ranges

- Eastern San Diego and Riverside and western Imperial Counties
- Endangered Peninsular Bighorn Sheep

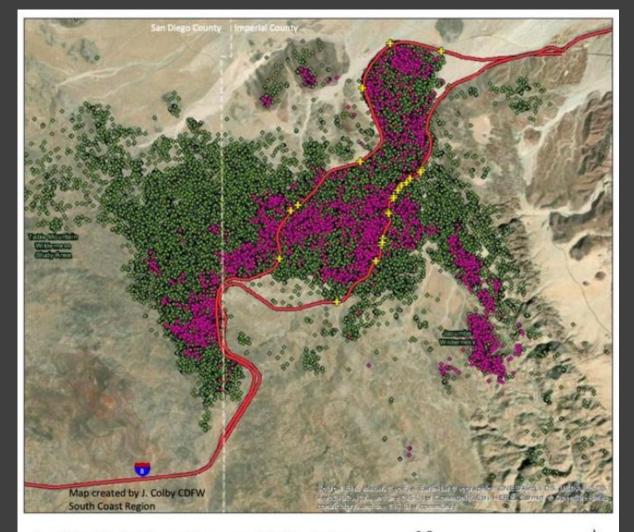
Interstate 8 near San Diego/Imperial border

- In-Ko-Pah ewe group uses the area for giving birth and raising lambs
- CDFW Top Priority Barrier

Other species of concern

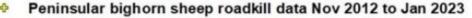
 Mountain lion, mule deer, bobcat, coyote, ringtail, western spotted skunk, ray fox, and desert kit fox





In-Ko-Pah Ewe Group GPS data

2.5 Kilometers



- GPS data for 20 ewes Oct 2009 May 2022
- 2021 & 2022 Lamb-Rearing Season GPS data for 3 ewes



44. I-8 Peninsular Bighorn Sheep Crossing Planning
Slide 2



Peninsular Mountain Range

44. I-8 Peninsular Bighorn Sheep Crossing Planning Slide 3









44. I-8 Peninsular Bighorn Sheep Crossing Planning Slide 4





44. I-8 Peninsular Bighorn Sheep Crossing Planning Slide 5

Project Elements

- Coordinate with stakeholders
- Collect existing available data on wildlife use of existing structures
- Identify potential overpass/underpass locations
- Conceptual designs for 3 selected wildlife overcrossing/undercrossing locations
- Preferred alternative(s)
 - Caltrans documentation
 - 35% and 65% design plans
 - CEQA compliance



Peninsular Bighorn Sheep





46. Executive Director's Report

WCB

HIGH LEVEL OUTREACH AND COMMUNICATION PLAN

Mark Topping

Public Information Officer



GETTING THE WORD OUT

Social Media
Storytelling
Internal Communication
External Communication
Community Outreach



SOCIAL MEDIA

TRADITIONAL SOCIAL MEDIA CHANNELS

- Facebook, Instagram, LinkedIn, X/Twitter
- Frequent posting cycle; post photos, videos, and share links
- Cross-promote with partners

VIDEO SOCIAL MEDIA CHANNELS

- Instagram Stories and Reels, TikTok, YouTube
- Stories and reels featuring compelling video content
- Reach non-followers

SOCIAL MEDIA EXPECTATIONS AND GOALS

- Educate the public about WCB and its programs
- Build awareness through follower engagement
- Drive traffic to website; increase variety of application pool

VISUAL STORYTELLING









Grantees/Partners

Show our partners at work

Project Sites

Show off our stunning project sites Public

Spotlight the citizens who use these lands

Habitat/Wildlife

Share photos and videos of the unique habitat and wildlife

INTERNAL COMMUNICATION

WCB CONNECTIONS

- Digital newsletter
- Update Board on project progress
- Recruiting
- Website improvements



CALIFORNIA NATURAL RESOURCES BUILDING, HOME TO WCB

EXTERNAL COMMUNICATION

CONFERENCES

- Attend conferences
- Disseminate brochures and digital materials
- Produce a video about WCB

DIGITAL TOOLS

- Write news releases; pitch story ideas to news media
- E-Mail and newsletter
- Flashback video series
- Produce a monthly podcast

PARTICIPATION

- Arrange in-person meetings with community leaders
- Identify potential volunteer opportunities
- Sponsorships

COMMUNITY OUTREACH

- Build relationships
- Face-to-face meetings with environmental justice groups
- Engage in authentic dialog, listening to what these individuals have to say
- Plan events and meet-and-greets in disadvantaged and severely disadvantaged communities
- Meet with tribal leaders





THANK YOU

Please send any feedback or suggestions to:

Mark Topping, WCB Public Information Officer

Mark.Topping@wildlife.ca.gov

https://wcb.ca.gov



BLOCK GRANT UPDATE - FULL REPORT OUT AT FEB 2024 MEETING

Building Wildlife-Friendly Resilience in Working Landscapes – Point Blue Roots Program

- 77 small grants selected in April (\$10,000 \$500,000)
- Project types included riparian restoration, hedgerow plantings, beaver dam analogs, wildlife-friendly fencing, monarch & pollinator plantings, bird/bat boxes & raptor perches, cover crops, oak plantings
- 74% of applicants qualifying as disadvantaged by one or more criteria.

Climate Smart Meadow Restoration – Sierra Meadow Partnership

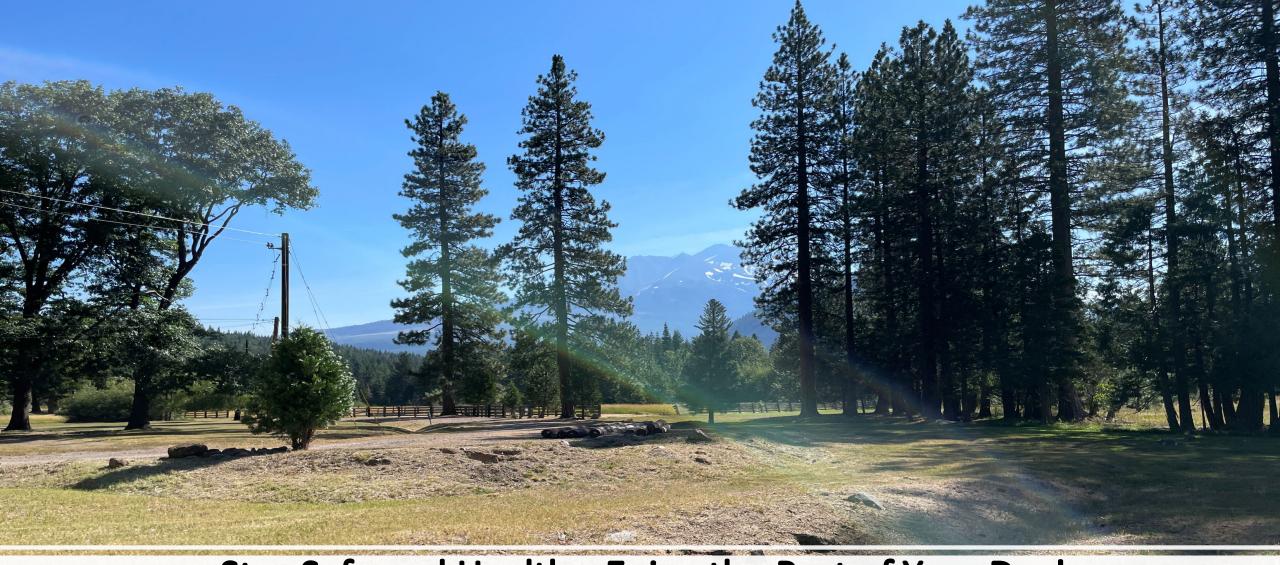
- Twenty-one projects selected for funding, totaling \$10.69 million
- Leveraged \$4.87 million
- 3,500 acres of Sierra meadow habitat will be restored, and an additional 1,800 acres will be ready for restoration in the near future.

Climate Resilience Through Habitat Restoration- CARCD

- CARCD and RCDs have entered into 17 implementation contracts
- CARCD has signed contracts with all 42 RCDs and all 5 partners for non-implementation-related activities (e.g.: outreach, permitting, materials supply)
- CARCD has developed a centralized project tracking and invoicing process



47. Executive Session (Not Open to the Public)



Stay Safe and Healthy, Enjoy the Rest of Your Day!

Next Board meeting – November 15, 2023