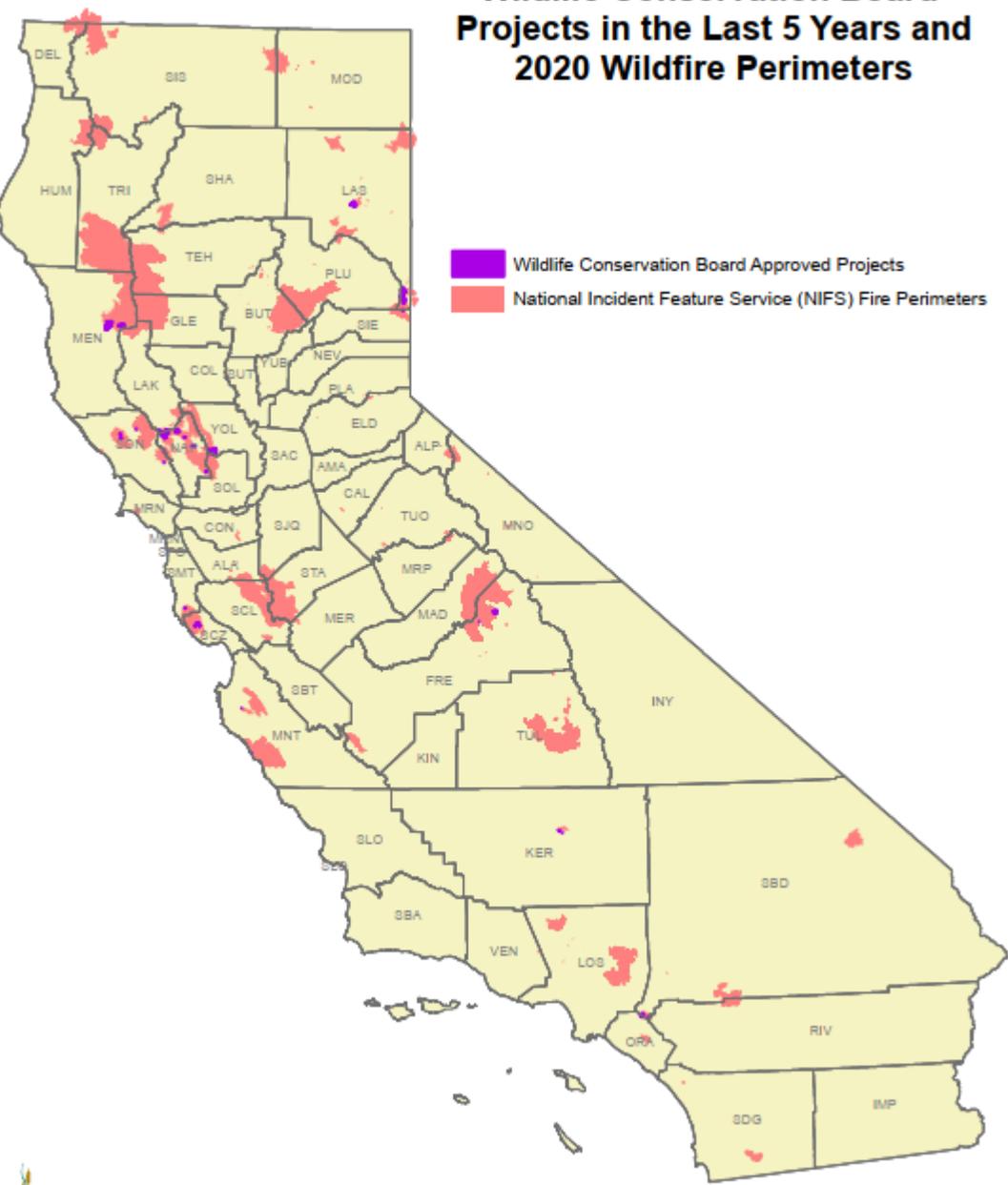




**Wildlife Conservation Board Meeting
November 18, 2020**

Wildlife Conservation Board Projects in the Last 5 Years and 2020 Wildfire Perimeters

Wildlife Conservation Board Approved Projects
National Incident Feature Service (NIFS) Fire Perimeters

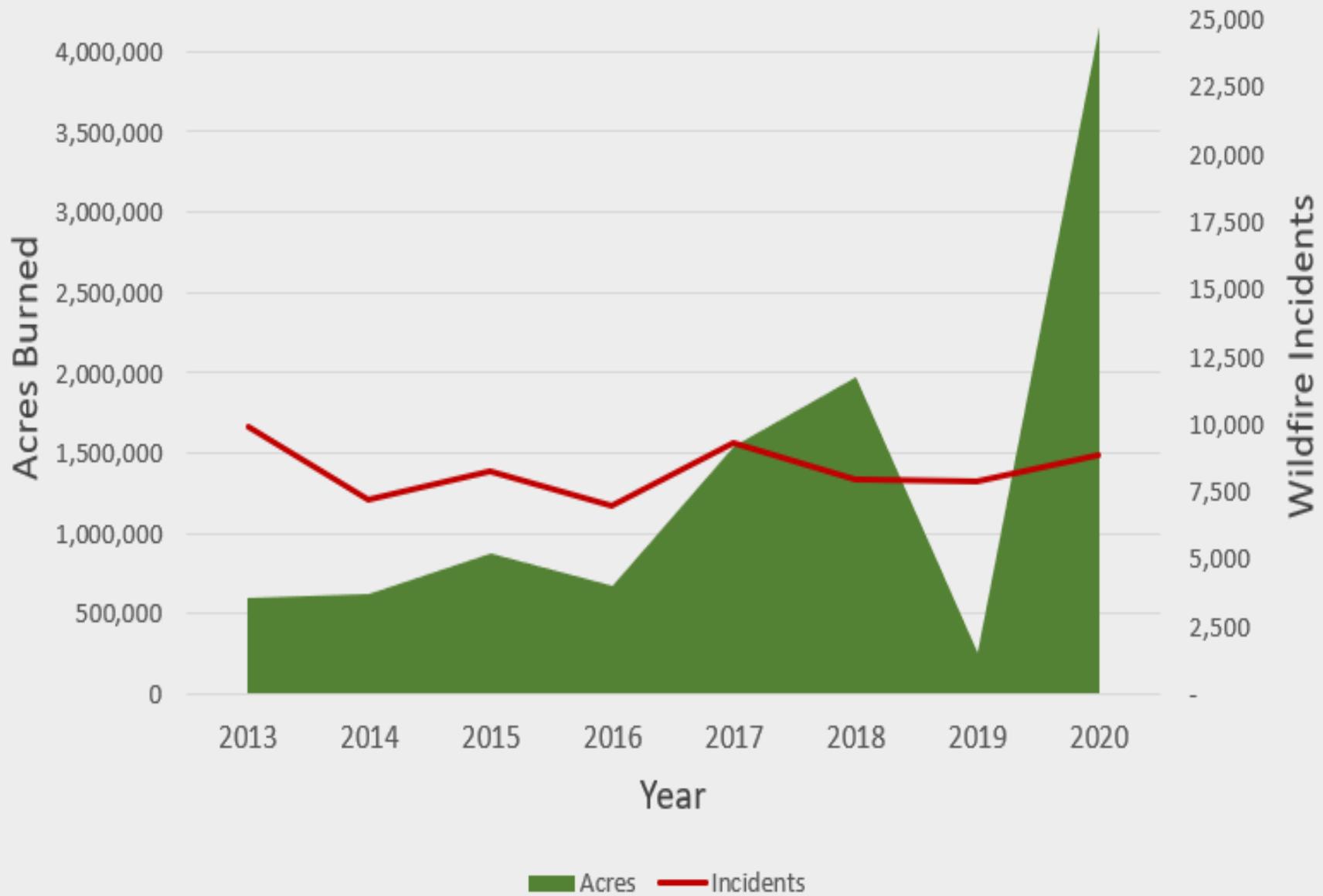


Fire Impacts to WCB

Slide 1

- Eighteen projects (7%) of WCB implementation projects funded since 2015 were impacted during the 2020 fire season.

California Annual Wildfire Acreage and Number of Incidents



Fire Impacts to WCB

Slide 2

- CALFIRE website data for fire seasons 2013-2020.

Fire Impacts to WCB

Slide 3

Is Fire Beneficial?

Potential Negative Effects:

- Reduced water quality
- Increased risk of erosion on unprotected soil
- Air quality impacts
- Destruction to property and loss of life

Potential Benefits:

- Reduction of invasive species, disease, and pest insects
- Reduction of forest underbrush and grassland debris and thatch
- Improvements to soil fertility
- Improves the age-class structure of forests
- Some plants depend on fire for reproduction

Fire Impacts to WCB

Slide 4

- Nine UC Reserves burned; primary impact was habitat.
- Photo: Zac Harlow, UCNRS Blue Oak Ranch Reserve





Fire Impacts to WCB

Slide 5

- Deadman II Forest Resilience Project.
- Photo: Save the Redwoods League.



Fire Impacts to WCB

Slide 6

- San Ysidro Flow Enhancement and Water Conservation.
- Debris flow after the Thomas Fire of 2017.



Fire Impacts to WCB

Slide 7

WCB's Role:

- Continue coordination with partners, grantees, landowners
 - Be flexible and help impacted grantees and landowners where we can
 - Strengthen language in Grants for reporting impacts from natural causes (fire, flood, drought)
 - Track natural disaster impacts in database
 - Continue valuing projects that provide “Other Ecosystem Benefits”
 - Prioritize fire recovery in future solicitations
- 



Strategic Plan Update

Slide 1

- Plan developed in 2014
- Update approved Aug 2019
- Staff select specific objectives
- Different timing for objectives
- Annual reporting





Strategic Plan Update

Slide 2

Goal A. Environmental Protection and Conservation

Goal B. Environmental Restoration and Enhancement

Goal C. Public Use and Recreation

Goal D. Public Awareness and Education

Goal E. Fiscal and Organizational Effectiveness



Strategic Initiatives

Slide 3

- Climate Change Adaptation, Resiliency, and Mitigation
- Biodiversity Actions
- Public Access and Wildlife-oriented Recreation
- Ecosystem Services

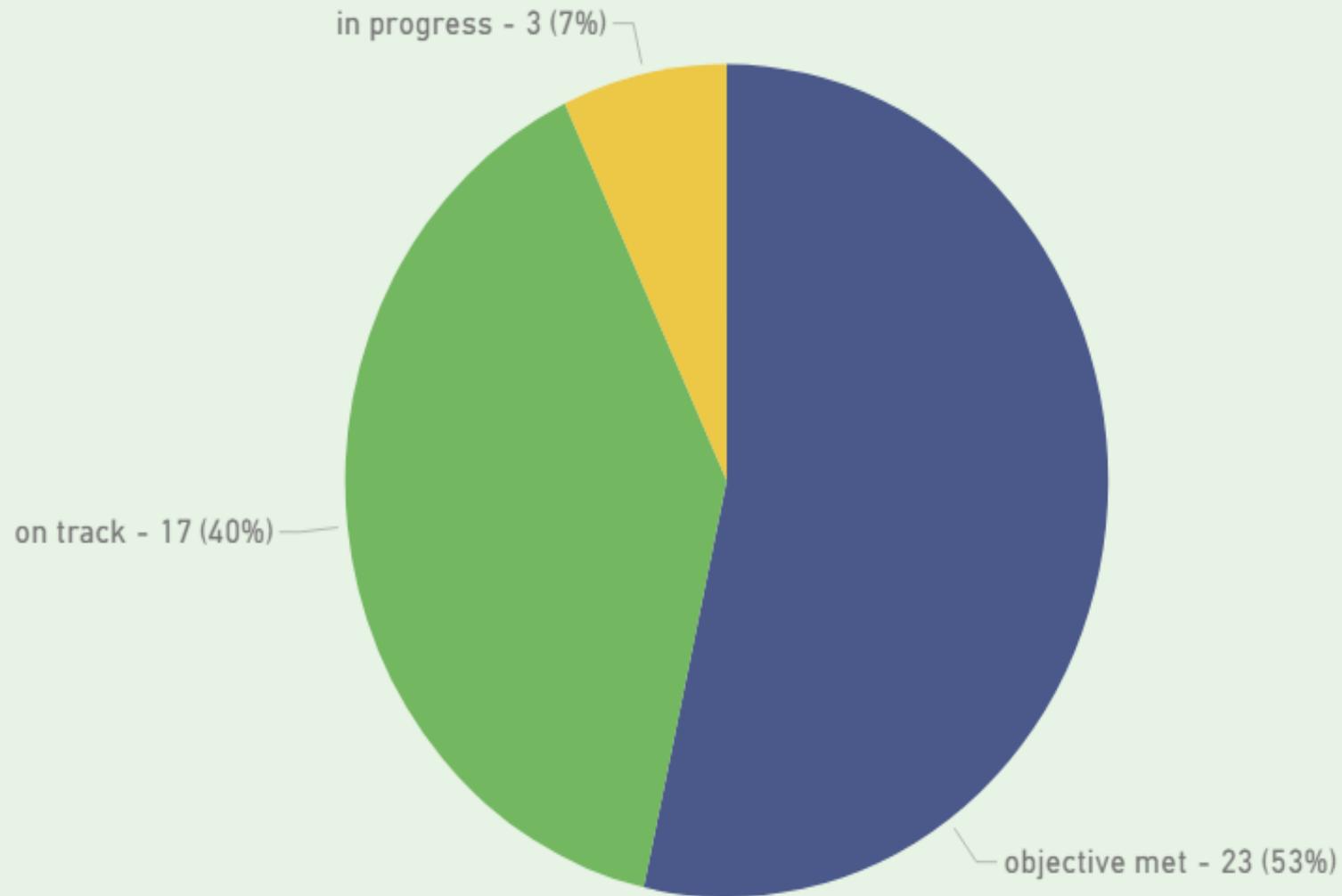


Strategic Initiatives

Slide 4

- Partnerships
- Organization and Transparency
- Natural Resources Conservation Leadership
- Monitoring and Program Evaluation



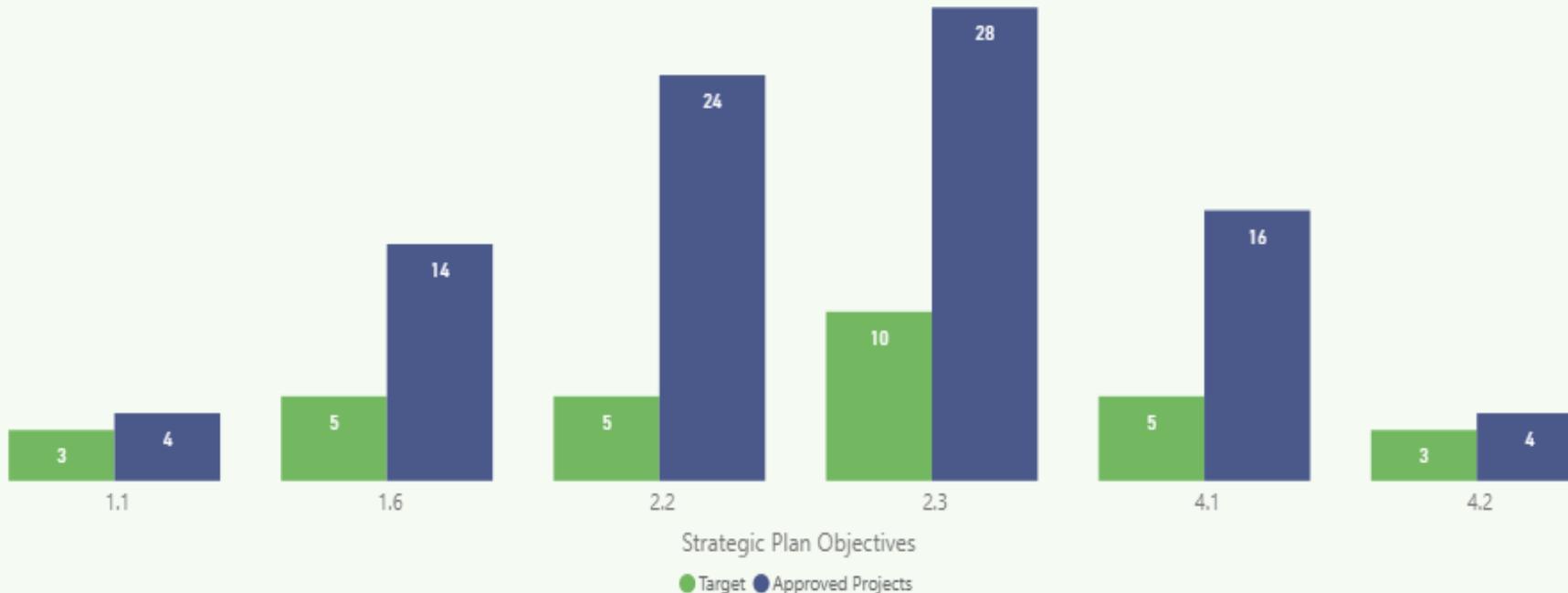


Strategic Plan Objectives

Slide 5

Strategic Plan Objectives Reported since November 2019 - Annual Target

Objective	Description	Target	Approved Projects
1.1	Wildlife under or over crossing	3	4
1.6	Upper watershed proj. for resilience to CC	5	14
2.2	Advances targets in conservation plans	5	24
2.3	Addresses CWAP priorities (Prop 1).	10	28
4.1	Upper watershed ecosystem services	5	16
4.2	Native pollinator habitat	3	4

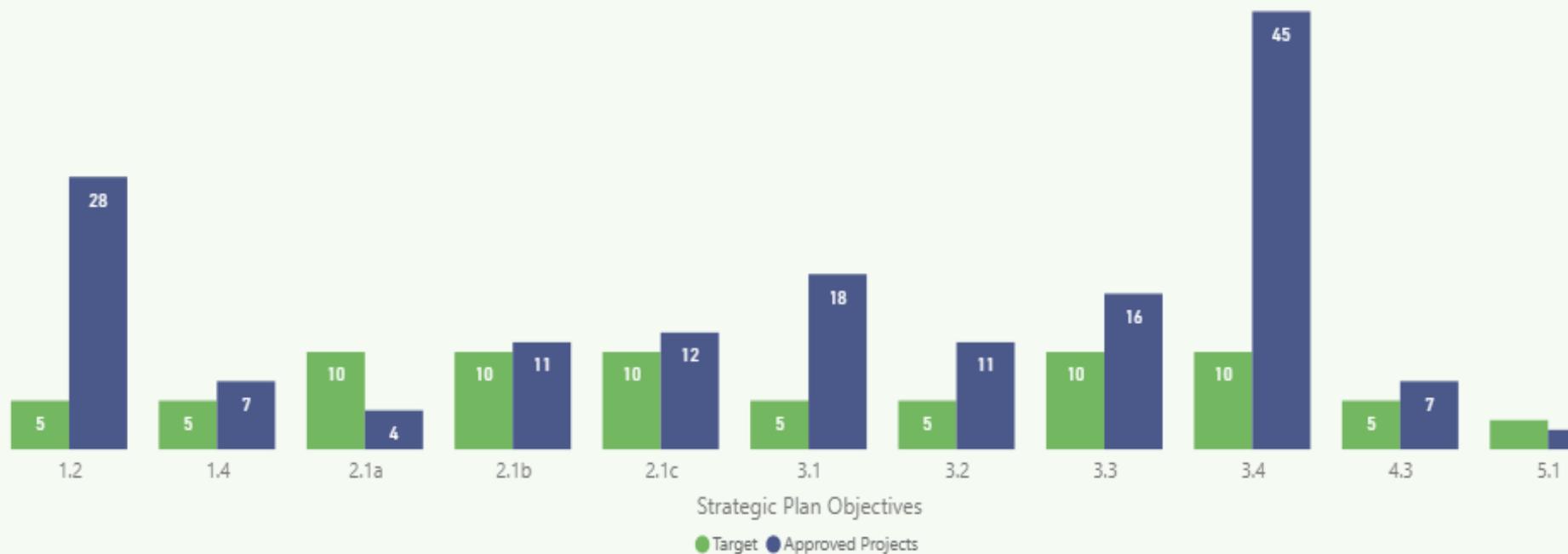


Strategic Plan Objectives

Slide 6

Strategic Plan Objectives Reported since November 2019 - Five Year Target

Objective	Description	Target	Approved Projects
1.2	Connectivity Projects	5	28
1.4	Provides long-term carbon sequestration	5	7
2.1a	Oak woodlands project	10	4
2.1b	Riparian habitat projects	10	11
2.1c	Rangeland projects	10	12
3.1	Public access for disadvantaged communities (DAC)	5	18
3.2	Boating/fishing/hunting access for DAC, mobility-impaired; ADA	5	11
3.3	Hunting/Fishing opportunities	10	16
3.4	Non-consumptive wildlife recreation	10	45
4.3	Lower watershed ecosystem services benefits	5	7
5.1	Safe Harbor program projects	3	2

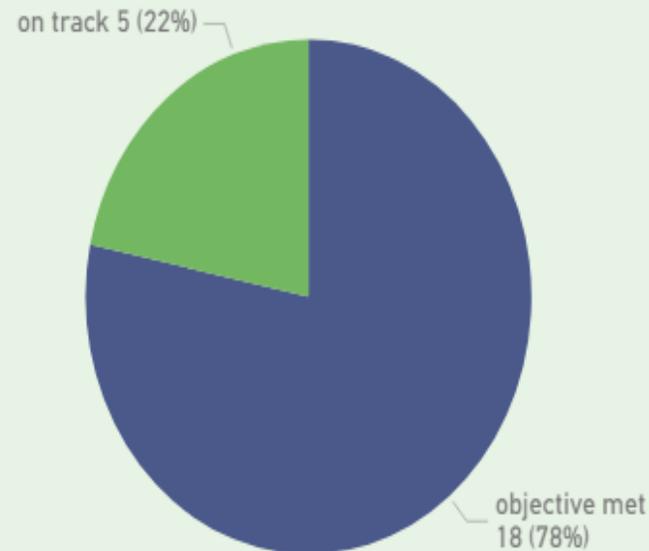


Strategic Plan Objectives

Slide 7

Strategic Plan Objectives - Projects Approved since November 2019

Objective	Description	Status
1.1	Wildlife under or over crossing	objective met
1.2	Connectivity Projects	objective met
1.3	In habitat for vuln. sp. or in CC resilient area	objective met
1.4	Provides long-term carbon sequestration	objective met
1.6	Upper watershed proj. for resilience to CC	objective met
2.1a	Oak woodlands project	on track
2.1b	Riparian habitat projects	objective met
2.1c	Rangeland projects	objective met
2.1f	Restoration projects on conserved land	on track
2.2	Advances targets in conservation plans	objective met
2.3	Addresses CWAP priorities (Prop 1).	objective met
2.4	Meets SWAP conservation priority	on track
2.5a	SWAP identified riparian acreage	on track
2.5b	SWAP identified wetland acreage	objective met
2.5c	SWAP identified grassland acreage	objective met
3.1	Public access for disadvantaged communities (DAC)	objective met
3.2	Boating/fishing/hunting access for DAC, mobility-impaired; ADA	objective met
3.3	Hunting/Fishing opportunities	objective met
3.4	Non-consumptive wildlife recreation	objective met
4.1	Upper watershed ecosystem services	objective met
4.2	Native pollinator habitat	objective met
4.3	Lower watershed ecosystem services benefits	objective met
5.1	Safe Harbor program projects	on track

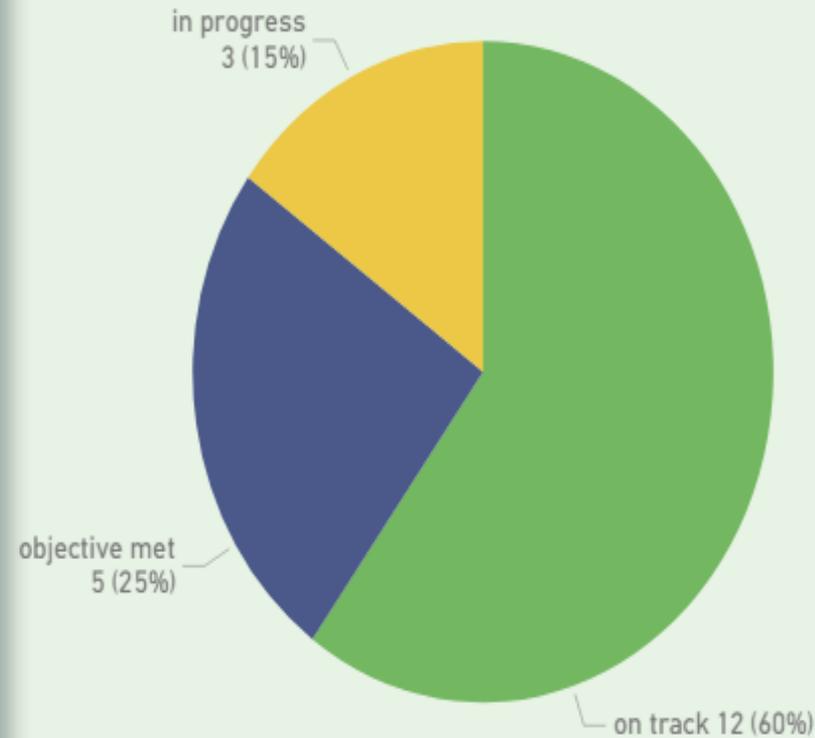


Strategic Plan Objectives

Slide 8

Strategic Plan Objectives - Staff Activity since November 2019

Objective	Description	Status
1.5	Catastrophic natural res. events criteria for solicitations	on track
3.5	Meeting for Public Access Program	objective met
5.2	Outreach meeting with a new partner	objective met
5.3	Coordinated multi-org, solicitation	on track
6.1	WCB meetings accessible online	objective met
6.2	Standardize solicitations & develop online portal	in progress
6.3	Program goals on website	in progress
6.4	Public maps illustrating project/program relationships	in progress
6.5	WCB program/feedback workshop	objective met
6.6	Sponsored conferences or workshops	objective met
7.1	Coordinate conservancies/agencies, re. habitat solicitation priorities	on track
7.2	Attend Working lands & State Safeguarding and Scoping Plan meetings	on track
7.3	CDFW's acquisition priorities & project review process	on track
7.4	Policy meetings for fire resiliency (Forest Mgmt Task Force)	on track
7.5	Refine priority conservation areas for programs and report	on track
8.1	Define criteria for effectiveness monitoring	on track
8.2	Monitor completed projects and post summary on website.	on track
8.3	Monitoring survey platform accessible on website	on track
8.4	Monitoring data in annual report by county & SWAP habitat	on track
8.5	Update 60-year assessment	on track



Strategic Plan Objectives

Slide 9

Large Tree Mapping Across the Sierra Nevada Various Counties



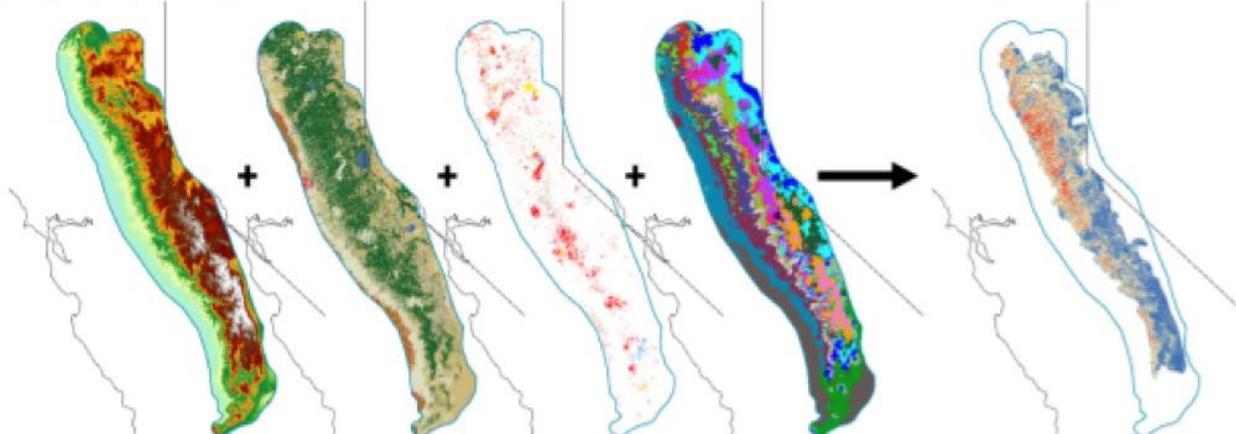
Step 1 – Map current distribution of large trees



Response variable Steps 2, 3

Step 3 – Machine learning predictive map of current large-tree

Topography | Vegetation | Disturbance | Climate

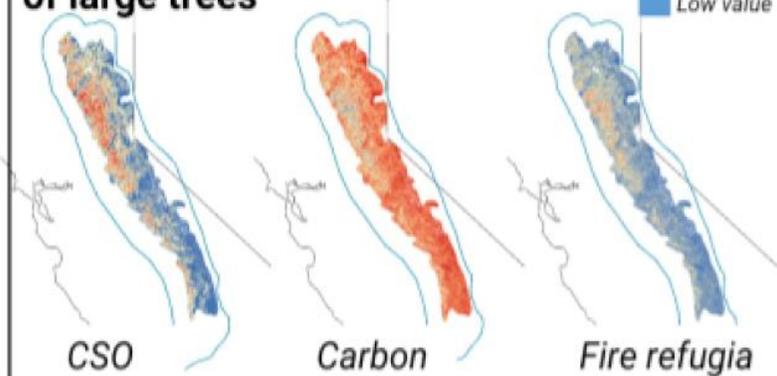


Predictor variables for machine learning model

Model output

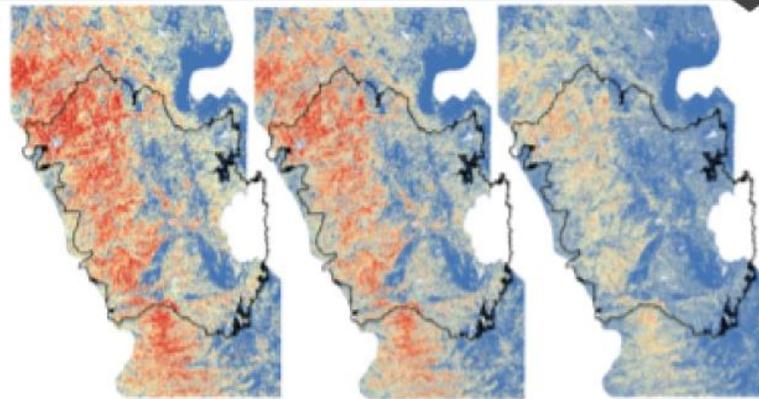
Step 2 – Model functional value of large trees

High value (Red)
Low value (Blue)



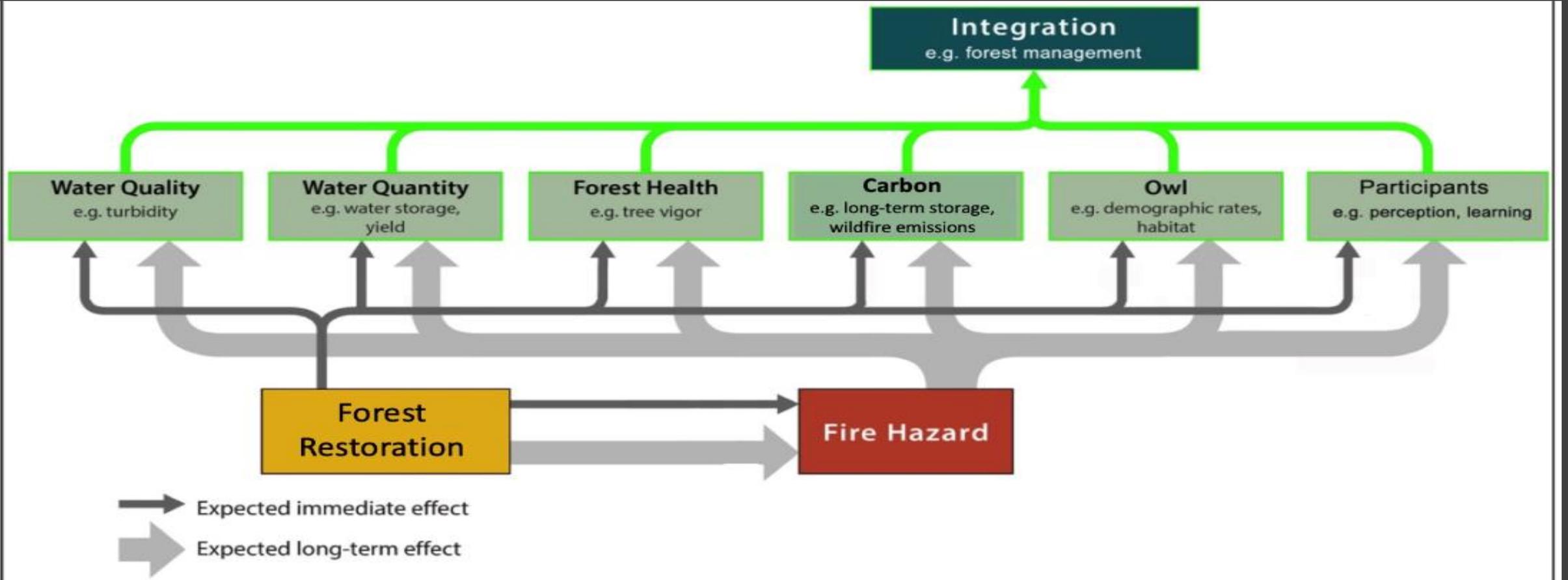
Step 4 – Large tree dynamics under future climate and management

LANDIS II Simulation Year 0 Year 25 Year 50



6. Large Tree Mapping Across the Sierra Nevada
Slide 1

Workflow of large tree mapping analyses.

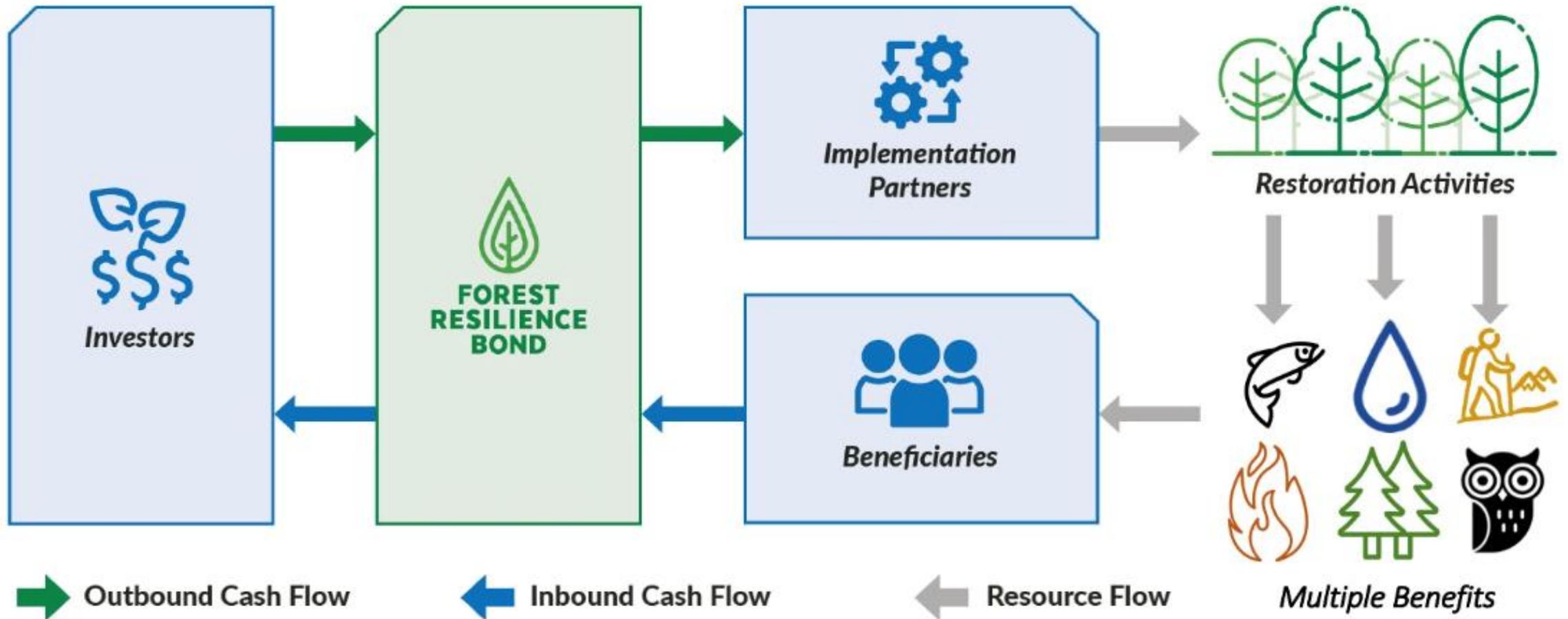


6. Large Tree Mapping
Across the Sierra
Nevada
Slide 3

Conceptual model for the quantification of large tree locations, and their impact on carbon storage and owl habitat.

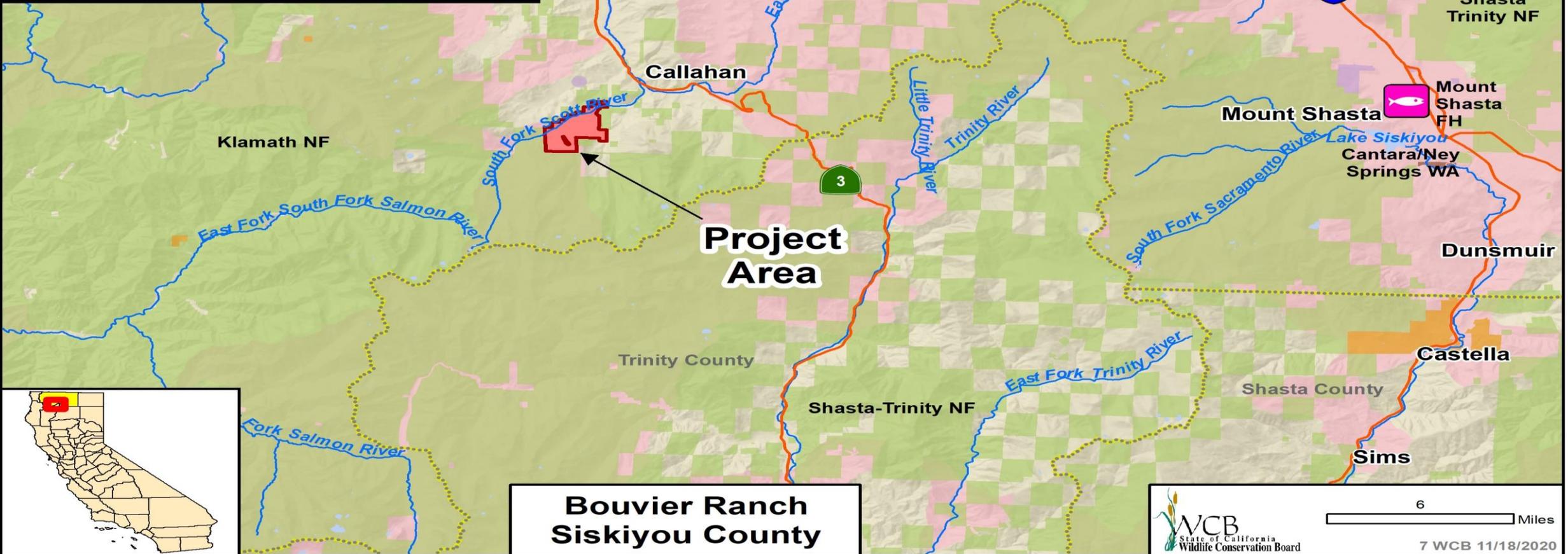
6. Large Tree Mapping Across the Sierra Nevada

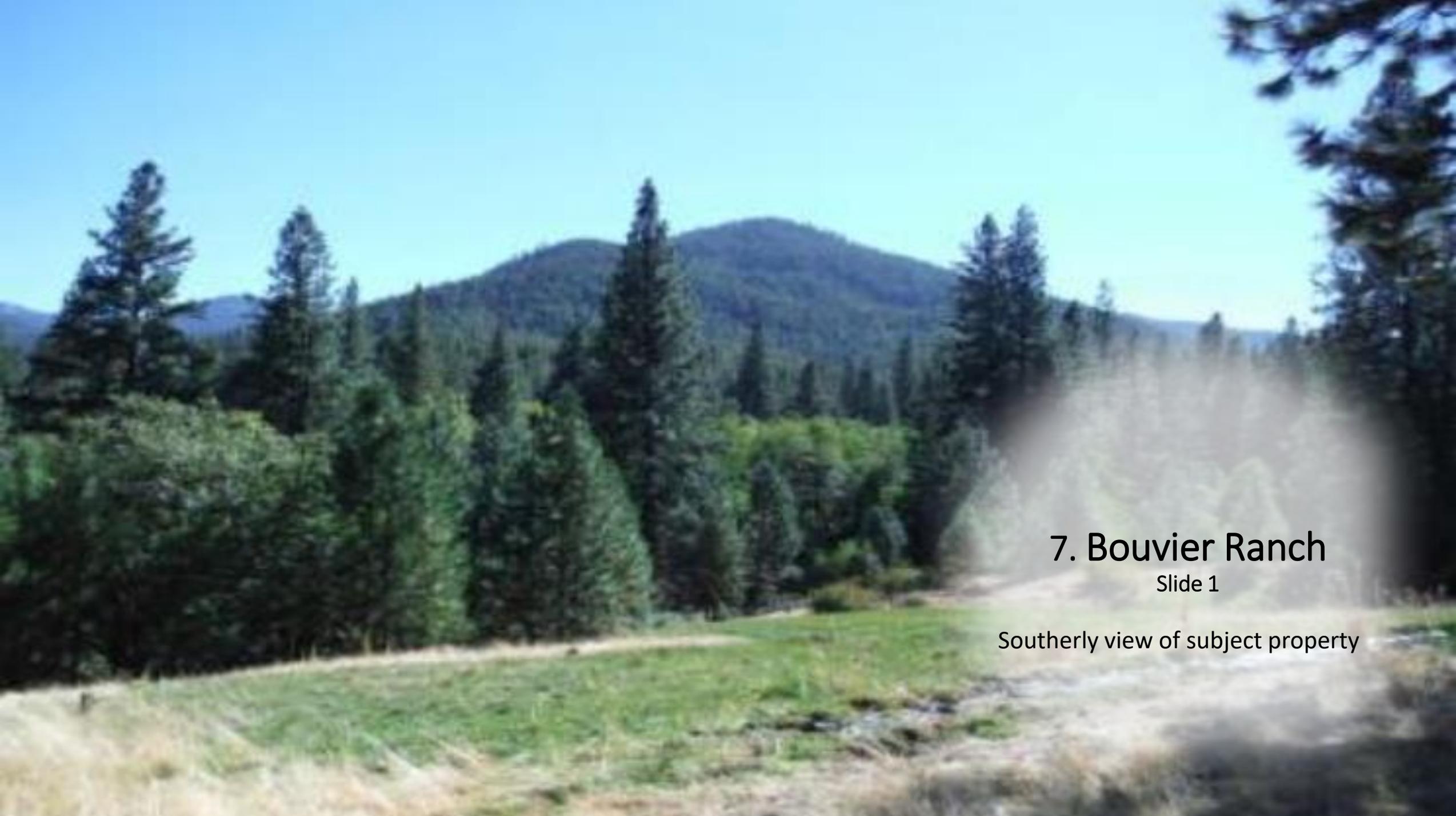
Slide 6





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

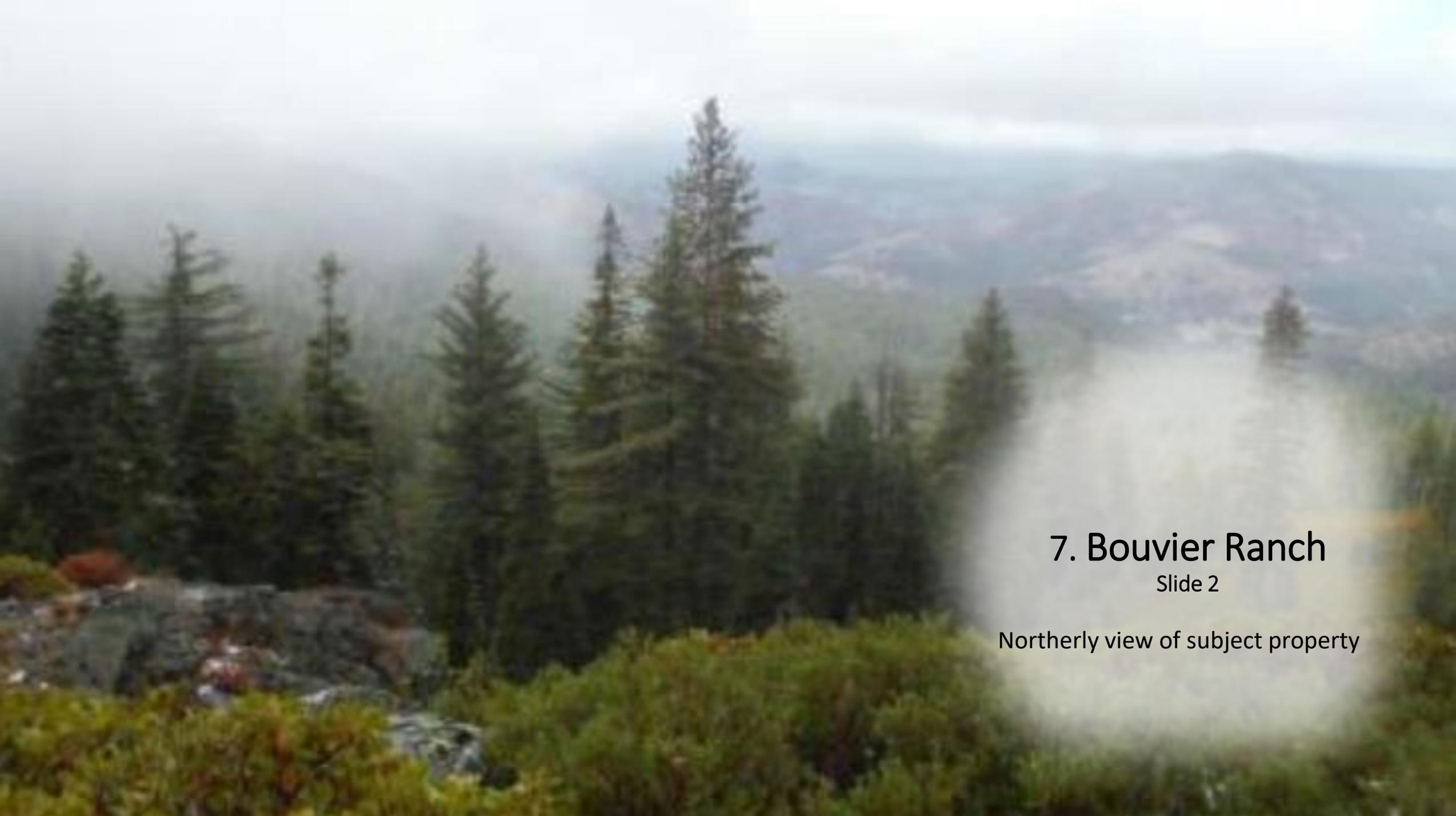




7. Bouvier Ranch

Slide 1

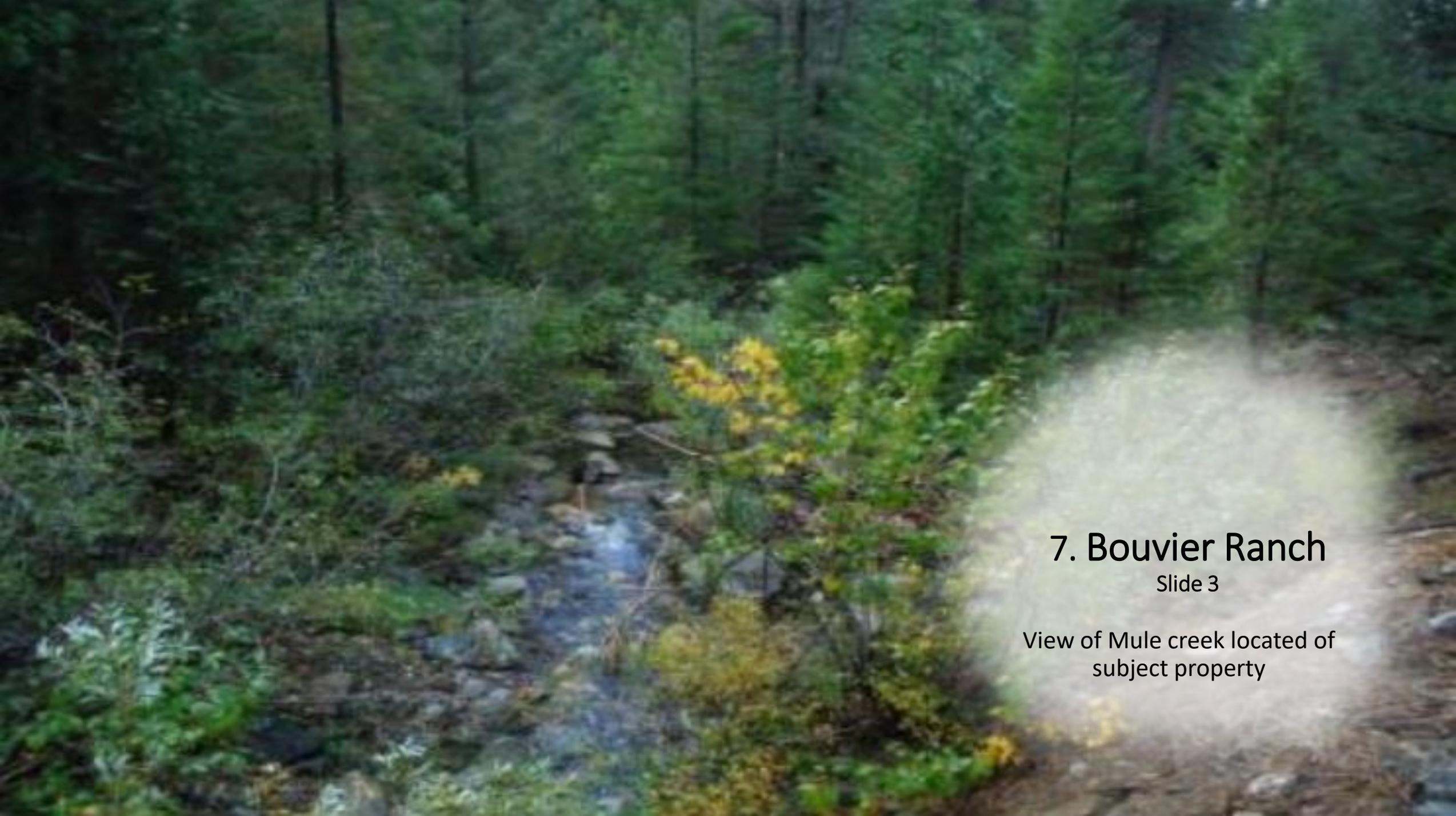
Southerly view of subject property



7. Bouvier Ranch

Slide 2

Northerly view of subject property



7. Bouvier Ranch

Slide 3

View of Mule creek located of
subject property



7. Bouvier Ranch

Slide 4

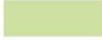
View of Big Mill creek located
on the property.

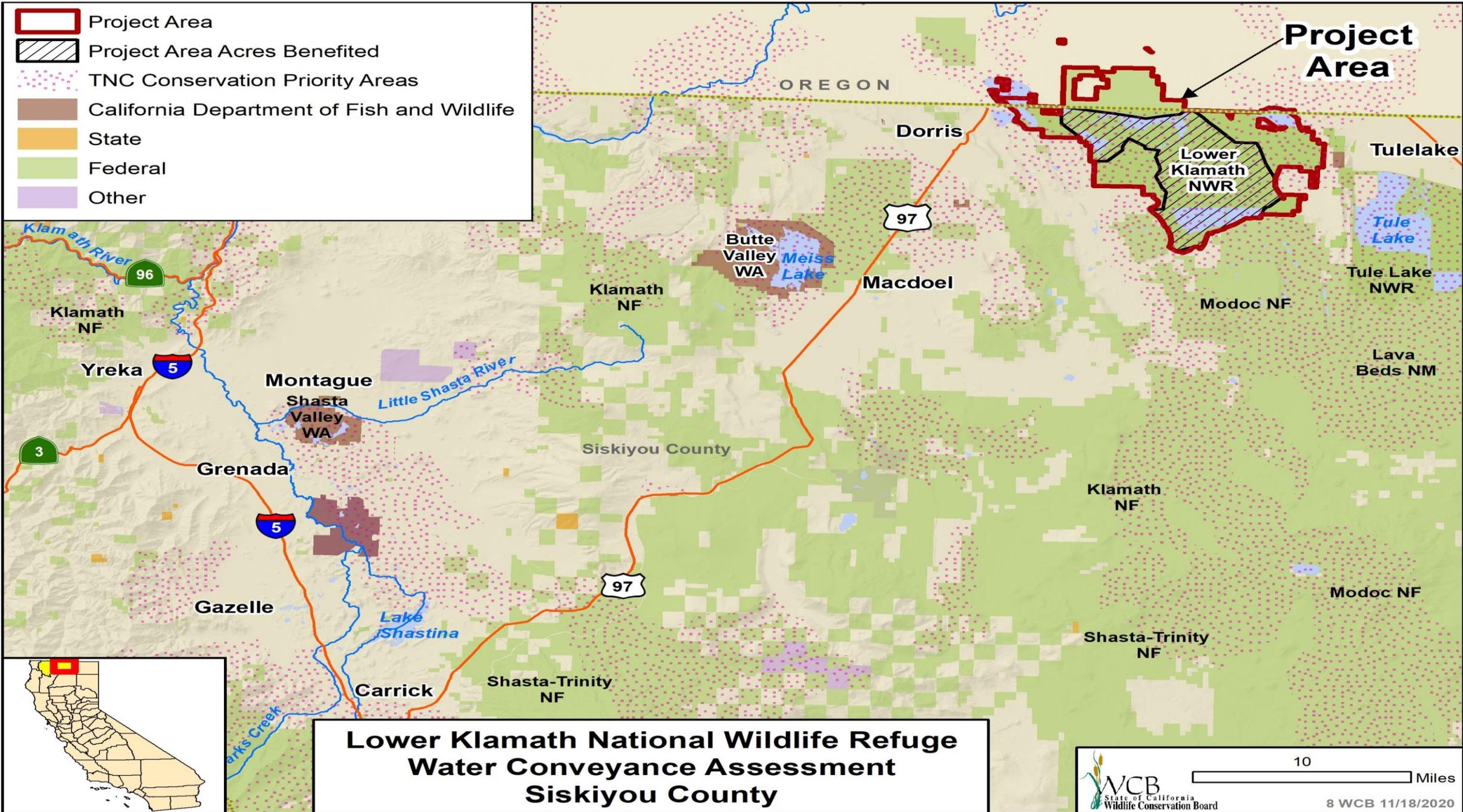


7. Bouvier Ranch

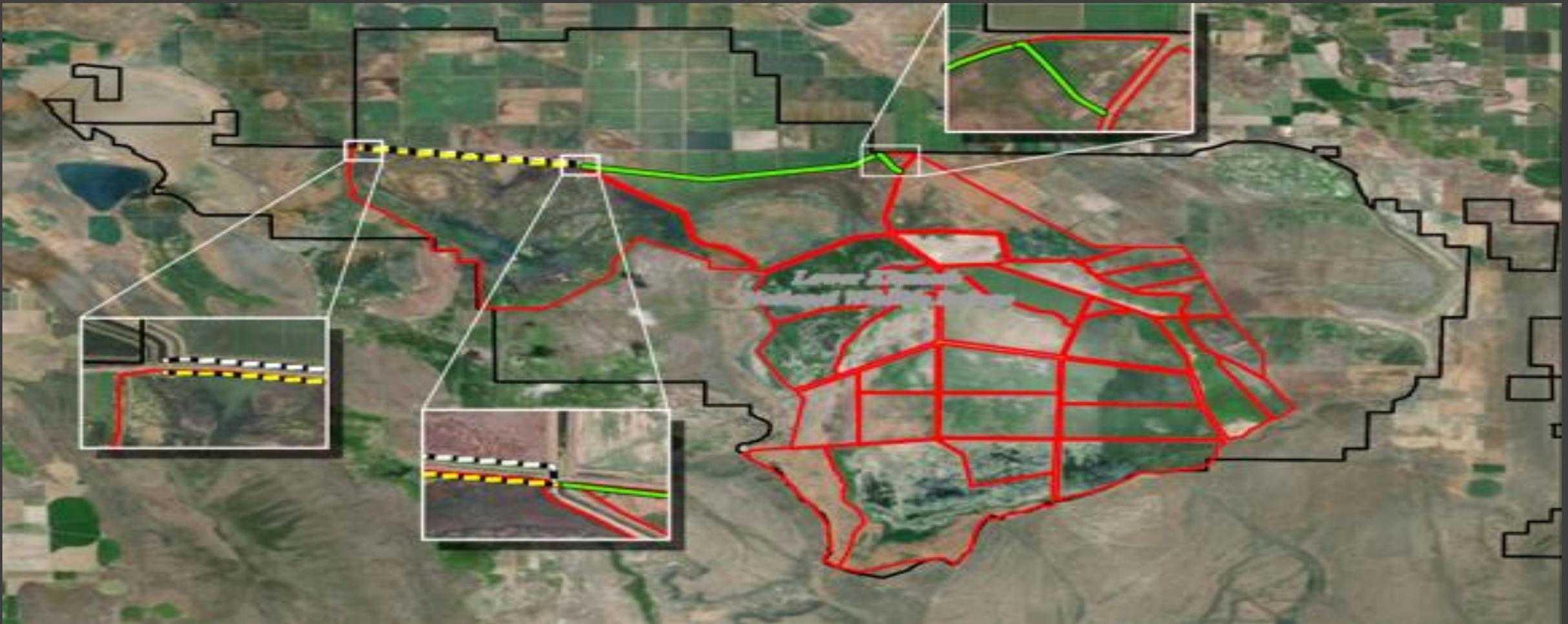
Slide 5

Southerly view of subject
property.

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



**Lower Klamath National Wildlife Refuge
Water Conveyance Assessment
Siskiyou County**



8. Lower Klamath National
Wildlife Refuge Water
Conveyance Assessment
Slide 1

- Map of proposed water delivery canal alternatives.



8. Lower Klamath National Wildlife Refuge Water Conveyance Assessment

Slide 2

- Ady Canal, the main intake of water from the Klamath Reclamation Project onto LKNWR





8. Lower Klamath National Wildlife Refuge Water Conveyance Assessment

Slide 3

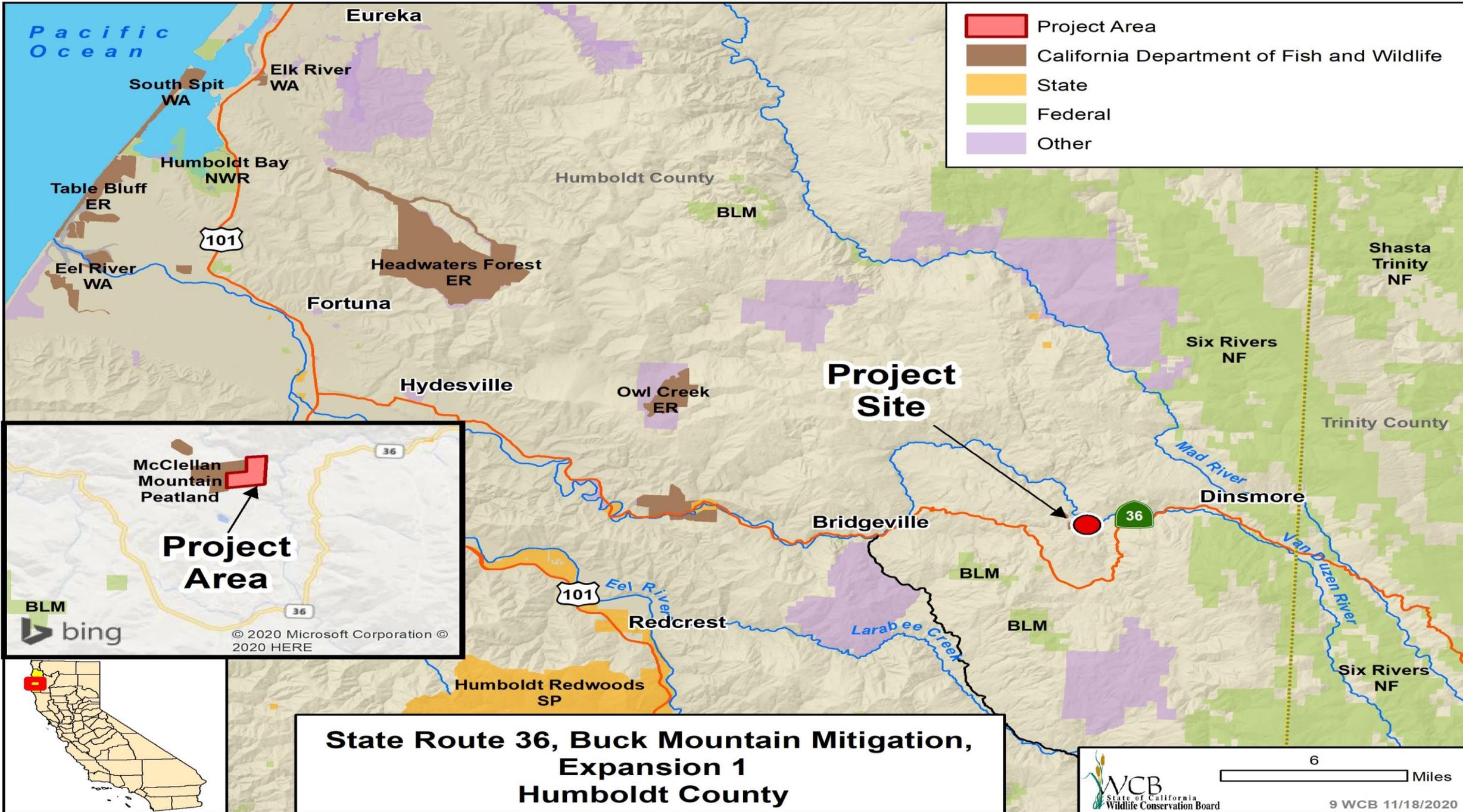
- LKNWR Unit 2, a 5,000 acre wetland. All water that enters from the Ady Canal must pass through Unit 2 before being used for habitat management on any other unit within LKNWR.



8. Lower Klamath National Wildlife Refuge Water Conveyance Assessment

Slide 4

Straits Drain. Once project enhancements are complete, water can be conveyed from Straits Drain further south to manage 25,837 total acres of habitat.



State Route 36, Buck Mountain Mitigation, Expansion 1 Humboldt County

An aerial photograph showing a vast, dense forest of green trees. In the center of the forest, there is a distinct, irregularly shaped clearing with a lighter green, grassy appearance. In the upper right corner, a small cluster of buildings and a paved area are visible, partially obscured by the trees.

9. State Route 36, Buck Mountain Mitigation, Expansion 1

Slide 1

The Burke/Robey Fen, located on McClelland Mountain, Humboldt County, as seen from the CDFW plane during routine overflights aimed at preventing illegal peat mining from continuing.



9. State Route 36, Buck Mountain Mitigation, Expansion 1

Slide 2

The Burke/Robey Fen in the foreground and its watershed and mountain border to the east (background) is the focus of Buck Mountain, Expansion 1



9. State Route 36, Buck Mountain Mitigation, Expansion 1

Slide 3

The step-fen just beyond the eastern boundary of the Burke/Robey property is the largest surface water contribution (i.e. tributary) to the fen and provides year-round flow as well and unique wetland habitat.



9. State Route 36, Buck Mountain Mitigation, Expansion 1

Slide 4

The step-fen is roughly a half-acre in size, but has disproportional importance as a cold water source for the fen. Its unprotected status has made it a key acquisition for CDFW to complete the Burke/Robey acquisition. It is botanically unique and northern red-legged frogs, a State Species of Special Concern, are common throughout.



9. State Route 36, Buck Mountain Mitigation, Expansion 1

Slide 5

Between the step-fen and the Burke/Robey fen is a small stream, which flows year-round and is also habitat for the southern torrent salamander, a State Species of Special Concern.



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



**McKenzie and Mountain Meadows Creek Planning
Lassen County**

7 Miles

10 WCB 11/18/2020



Original floodplain

10. McKenzie and Mountain Meadows Creek Planning

Slide 1

McKenzie Meadows actively eroding
incised gully



10. McKenzie and Mountain Meadows Creek Planning

Slide 2

McKenzie Meadows original floodplain
has converted to xeric conditions.



10. McKenzie and Mountain Meadows Creek Planning

Slide 3

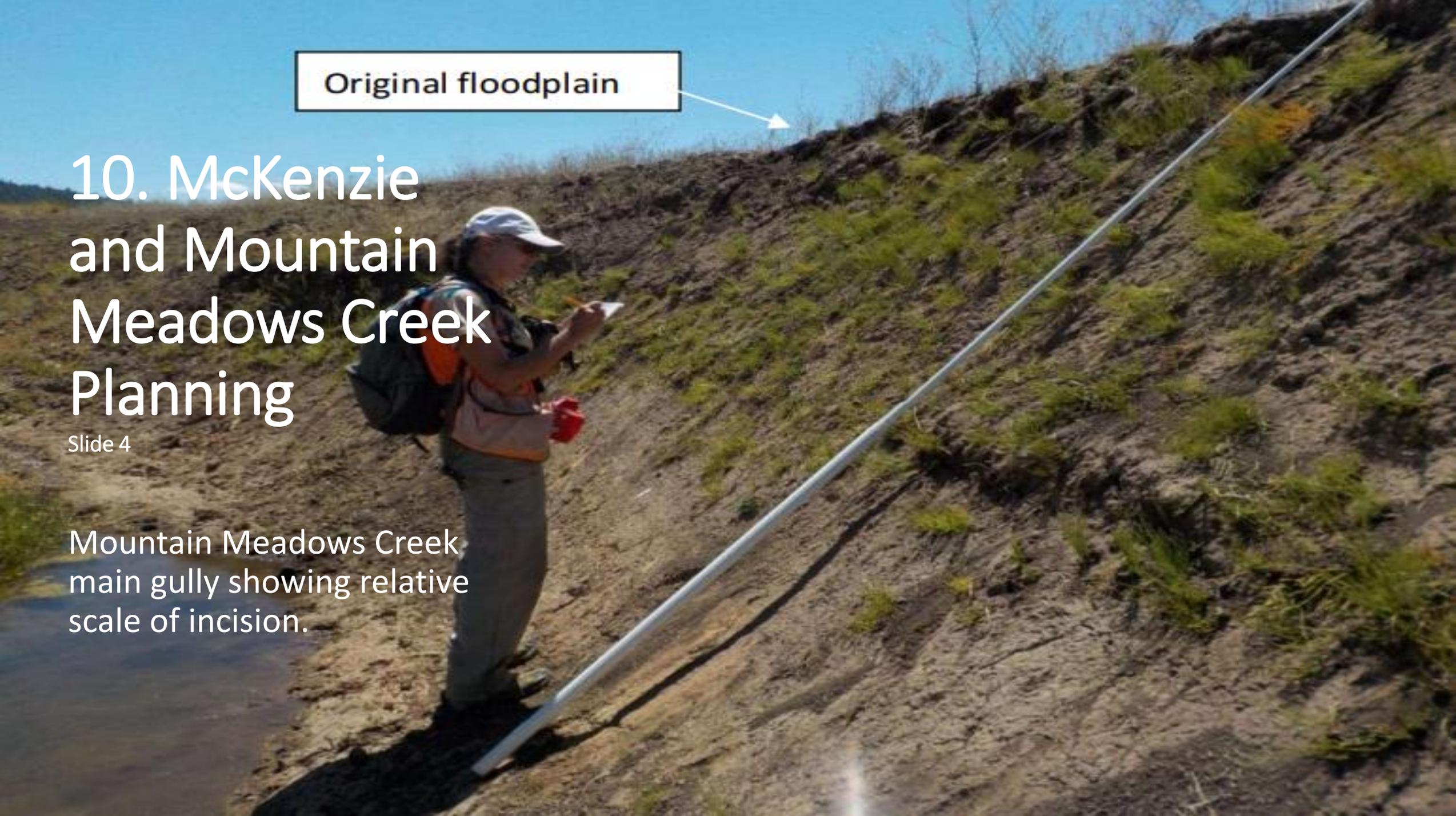
- Mountain Meadows Creek incised main gully and conifer encroachment.

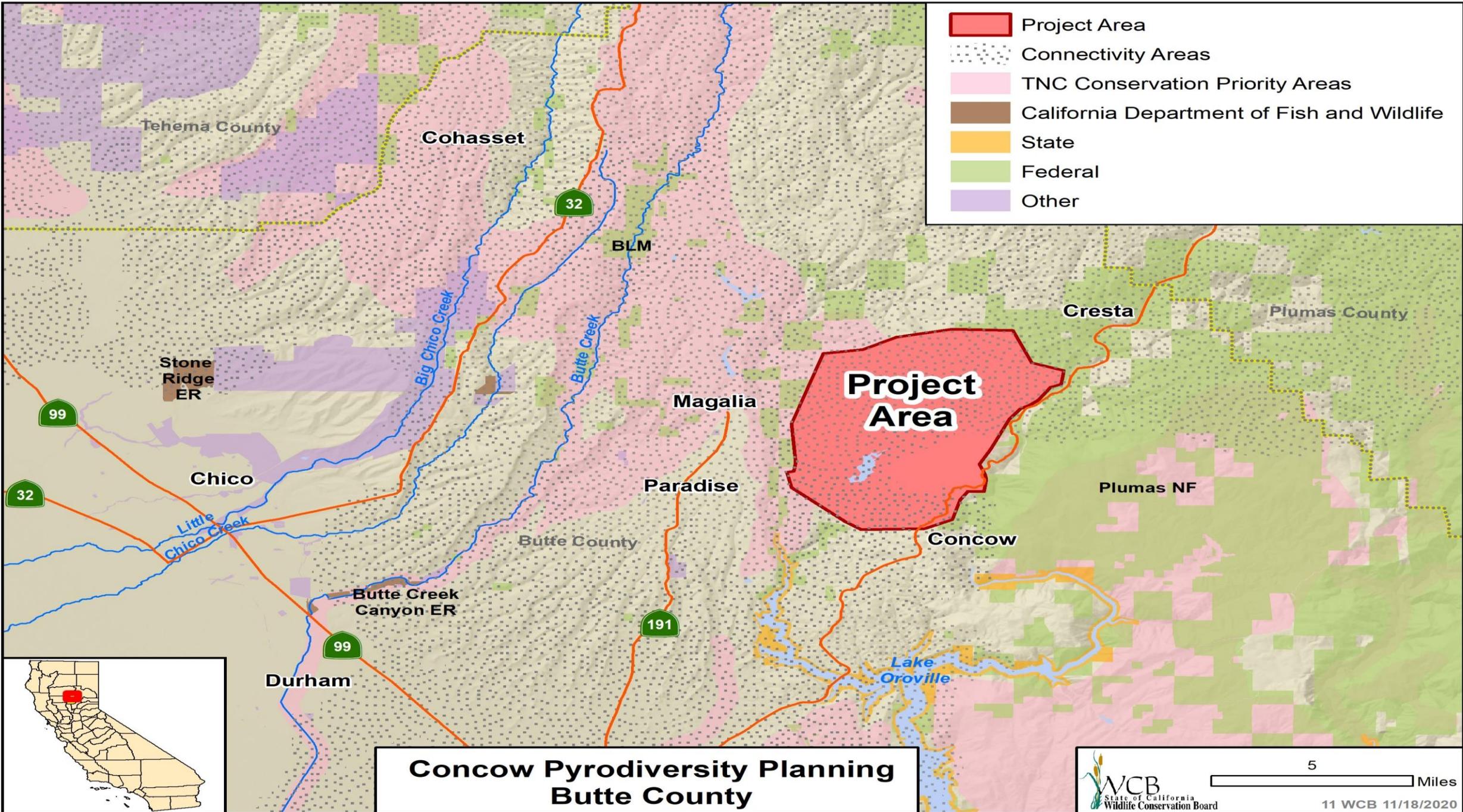
Original floodplain

10. McKenzie and Mountain Meadows Creek Planning

Slide 4

Mountain Meadows Creek
main gully showing relative
scale of incision.





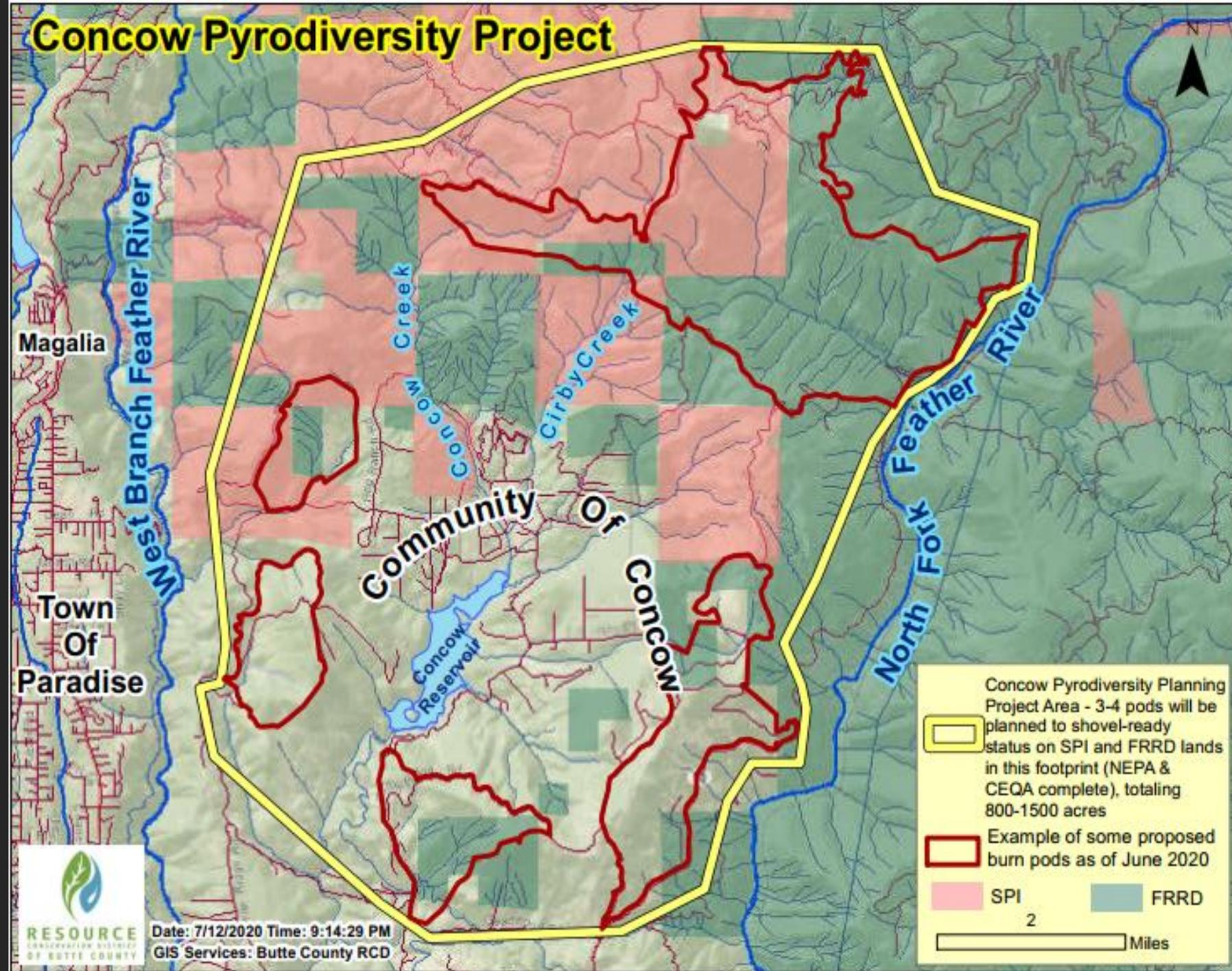
- Project Area
- Connectivity Areas
- TNC Conservation Priority Areas
- California Department of Fish and Wildlife
- State
- Federal
- Other

**Concow Pyrodiversity Planning
Butte County**

11. Concow Pyrodiversity Planning

Slide 1

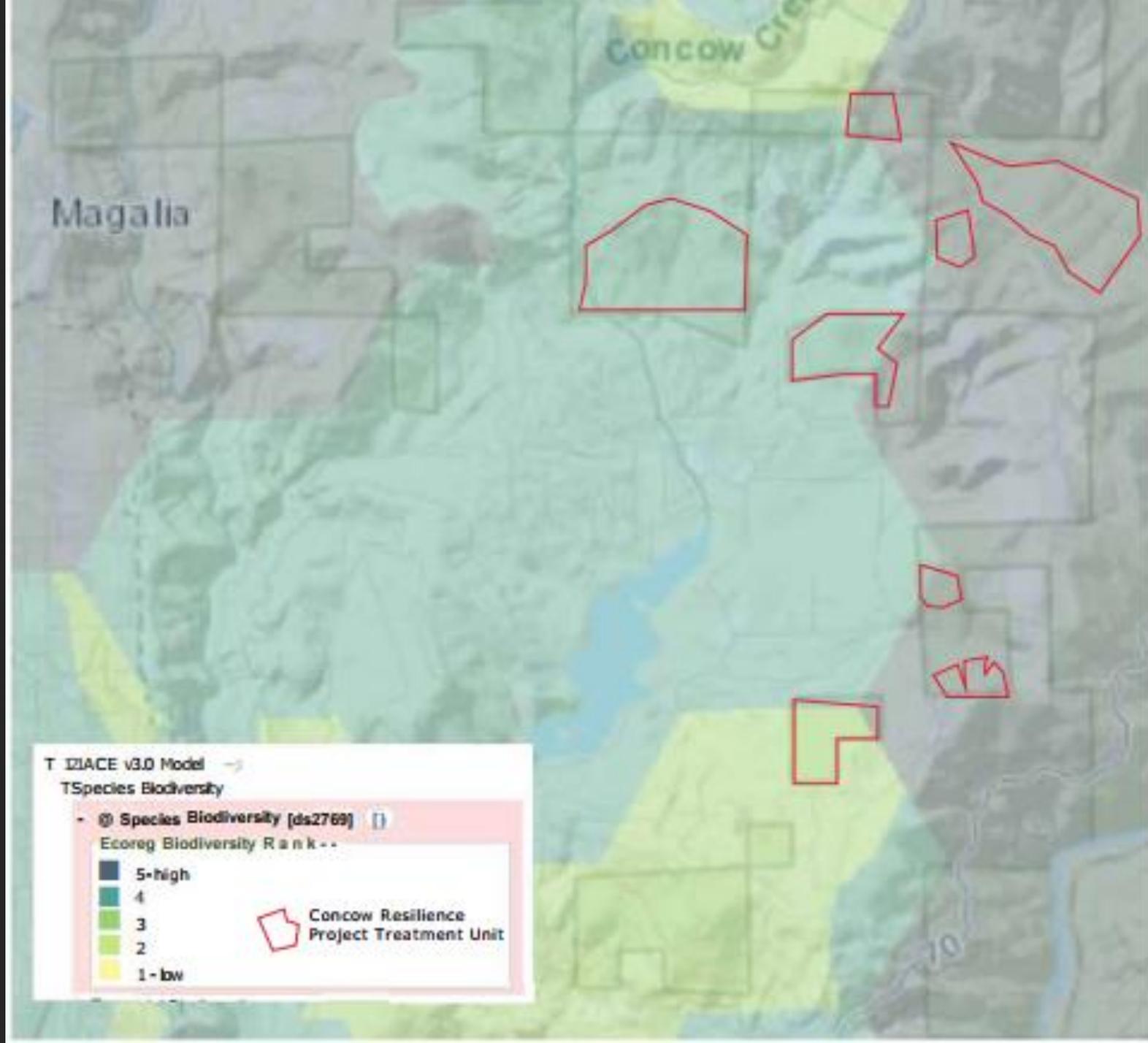
Project sites



11. Concow Pyrodiversity Planning

Slide 2

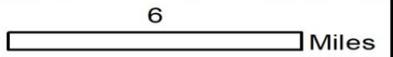
A screenshot from ACE in BIOS shows how the entire Concow Basin scores a biodiversity rank 3, 4, or 5.



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



North Yuba Watershed Forest Restoration Planning Sierra and Yuba Counties





12. North Yuba
Watershed Forest
Restoration Planning
Slide 1

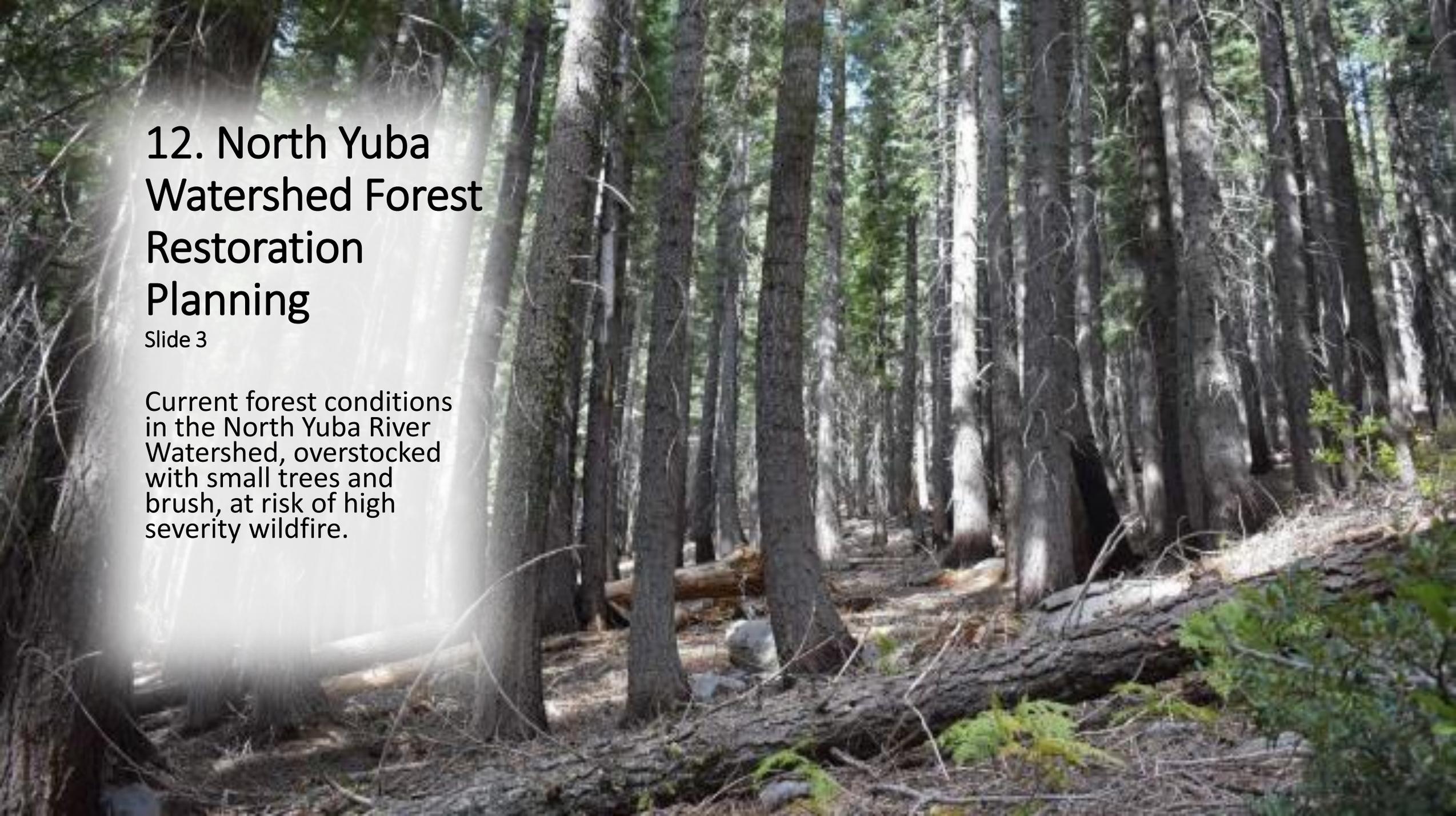
Panoramic view of the watershed planning area.

An aerial photograph showing a vast, densely forested mountain range. The foreground is filled with lush green coniferous trees. In the distance, the forested ridges extend across the landscape, fading into a hazy blue sky with light, wispy clouds. The overall scene is a wide, panoramic view of a mountainous region.

12. North Yuba Watershed Forest Restoration Planning

Slide 2

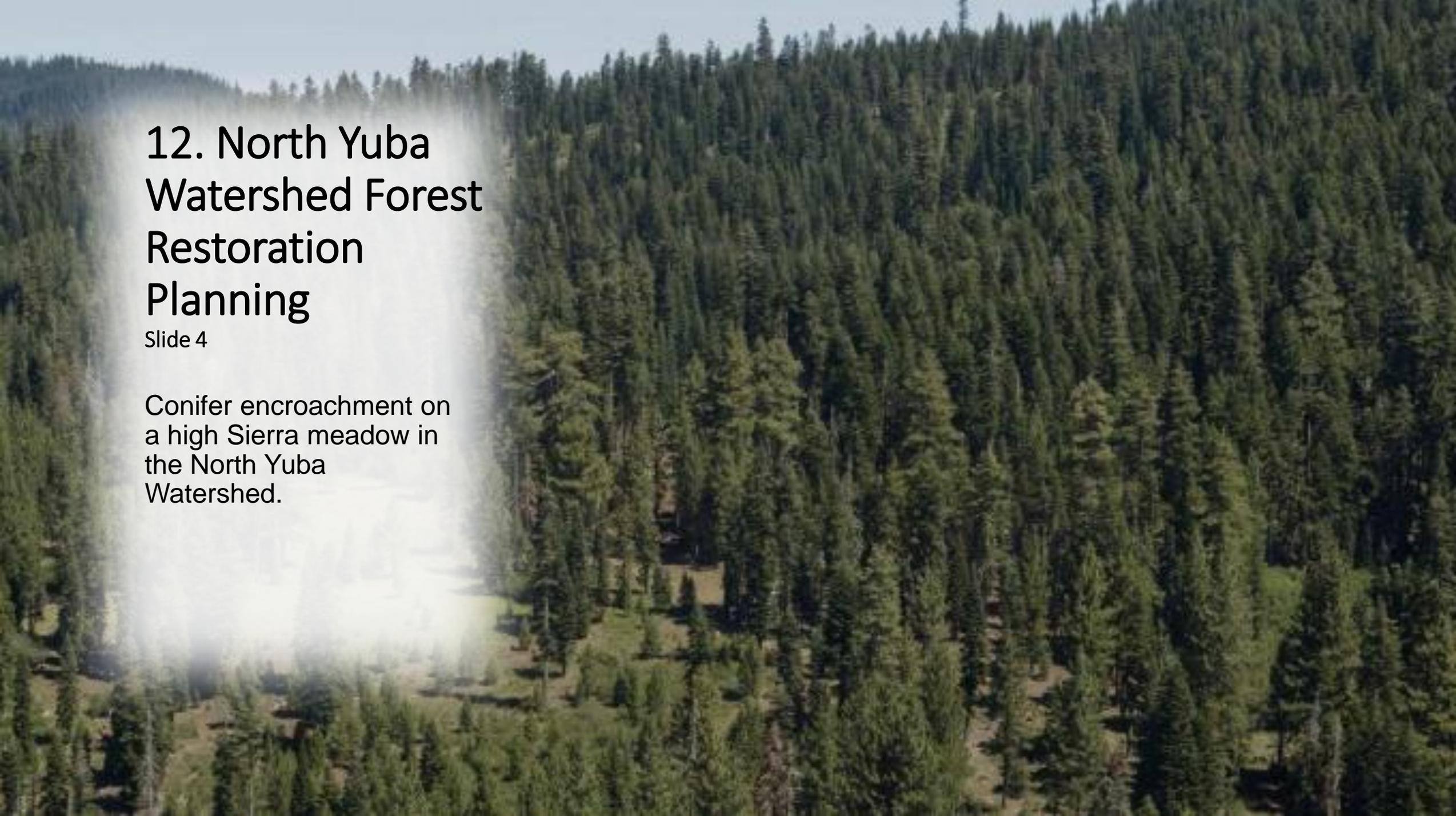
View of watershed planning area from Saddleback Ridge Lookout, showing densely forested ridges extending from the North Yuba Watershed in Sierra County into Plumas County.



12. North Yuba Watershed Forest Restoration Planning

Slide 3

Current forest conditions in the North Yuba River Watershed, overstocked with small trees and brush, at risk of high severity wildfire.

An aerial photograph of a vast, dense conifer forest. The trees are a mix of green and brown, suggesting some areas of dieback or encroachment. In the lower-left quadrant, there is a distinct, lighter-colored area that appears to be a meadow or a clearing, partially obscured by a bright, circular light flare. The overall scene is a high-altitude Sierra landscape.

12. North Yuba Watershed Forest Restoration Planning

Slide 4

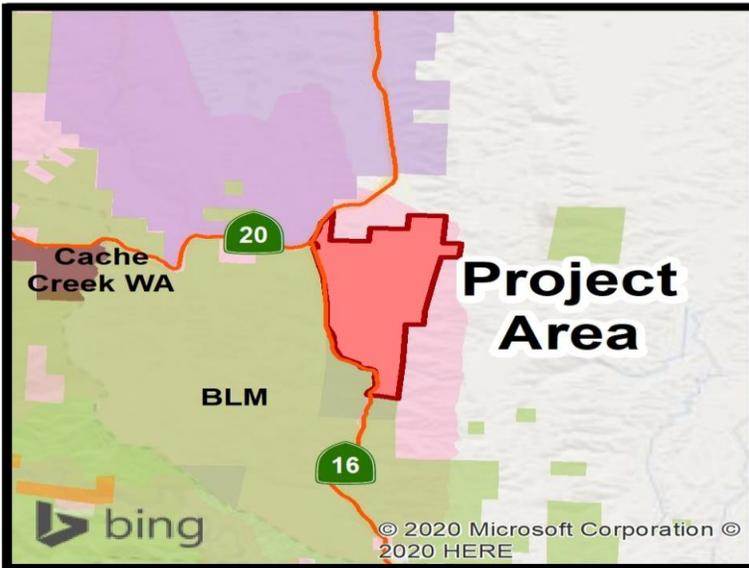
Conifer encroachment on
a high Sierra meadow in
the North Yuba
Watershed.

An aerial photograph of a forest ridge. A distinct, narrow, cleared path or fuel break runs along the ridge. The forest is dense with evergreen trees, and the ground appears to be a mix of green vegetation and brownish soil or charred remains. The lighting is bright, creating strong shadows and highlights on the forest canopy.

12. North Yuba Watershed Forest Restoration Planning

Slide 5

Small ridgeline fuel break
with high fir mortality in
the neighboring forest.



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



**Telegraph Ridge Conservation Easement
Colusa County**

7 Miles

13 WCB 11/18/2020



13. Telegraph Ridge Conservation Easement

Slide 1

Native Elk Herd on Property



13. Telegraph Ridge Conservation Easement

Slide 2

Spring-fed riparian corridor



13. Telegraph Ridge Conservation Easement

Slide 3

- Specimen Oak on lower property



13. Telegraph Ridge Conservation Easement

Slide 4

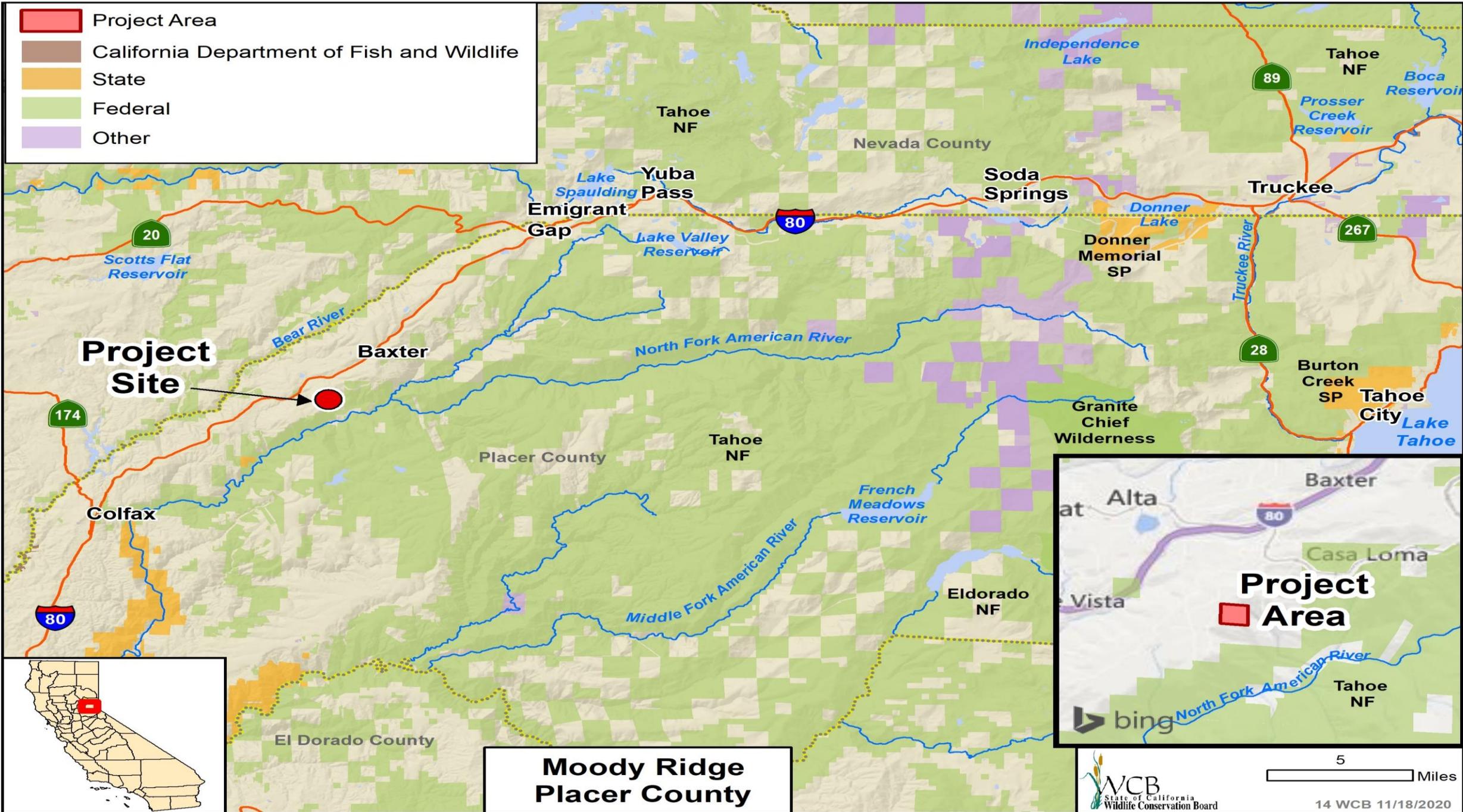
View looking southeast

A wide-angle photograph of a lush, green landscape. In the foreground, a rocky streambed winds through a grassy valley. The middle ground features rolling hills covered in vibrant green grass, dotted with numerous trees, some of which are bare and others with sparse foliage. The background shows a larger hill rising towards a cloudy, overcast sky. The overall scene is a natural, undisturbed environment.

13. Telegraph Ridge Conservation Easement

Slide 5

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



**Moody Ridge
Placer County**





14. Moody Ridge

Slide 1

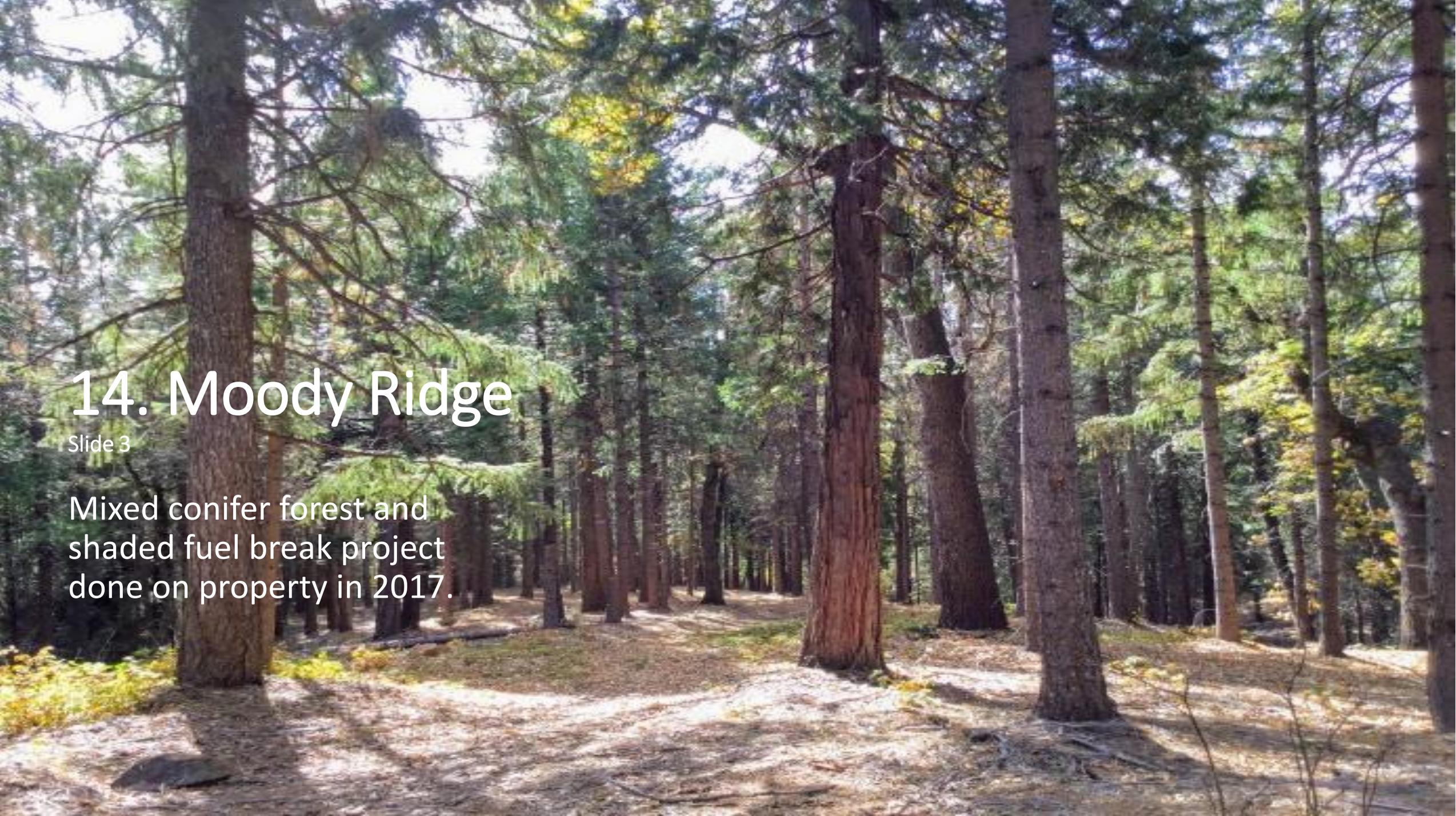
- View looking into the North Fork American River Canyon from property.



14. Moody Ridge

Slide 2

- Additional view looking into the North Fork American River Canyon from property.



14. Moody Ridge

Slide 3

Mixed conifer forest and shaded fuel break project done on property in 2017.



14. Moody Ridge

Slide 4

- Black oak forest and ridgetop flat area on property, previously proposed as a homesite



14. Moody Ridge

Slide 5

View looking onto property
from neighboring property
(rock outcrop bottom right is
on property.)

Meadow Restoration Planning in the American and Pine Creek Watersheds Lassen and El Dorado Counties





15. Meadow Restoration Planning in the American and Pine Creek Watersheds

Slide 1

- Conifer encroachment in Wilson Meadow and actively eroding streambanks in the unnamed tributary to South Fork Silver Creek.



15. Meadow Restoration Planning in the American and Pine Creek Watersheds

Slide 2

- Undersized road crossing along Wrights Tie Road at the top of the meadow.

15. Meadow Restoration Planning in the American and Pine Creek Watersheds

Slide 3

- Incised channel flowing through 75% of Wilson Ranch. Upland vegetation is seen to the right of the channel and wetter mesic vegetation is to the left of the channel.





15. Meadow Restoration Planning in the American and Pine Creek Watersheds

Slide 4



Standing in front of the ditch looking east into Calf Pasture and standing in the two meter ditch looking upstream the unnamed tributary to Bassi Fork Creek.



15. Meadow Restoration Planning in the American and Pine Creek Watersheds

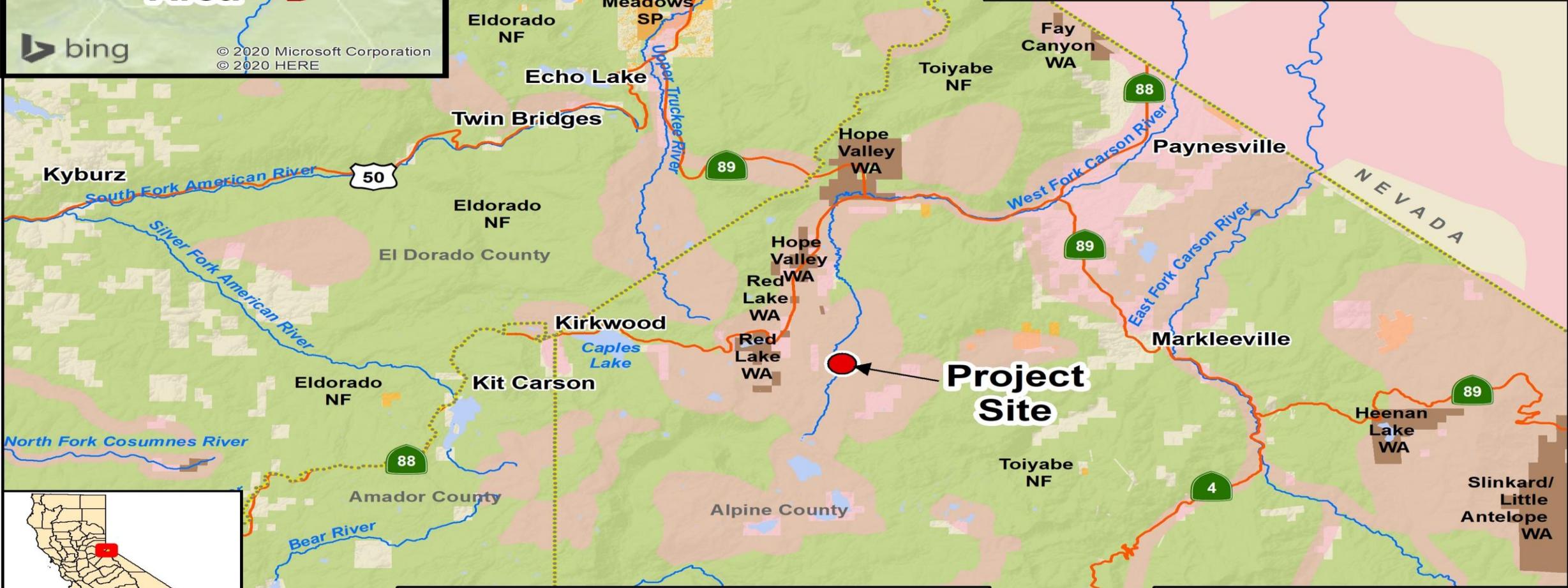
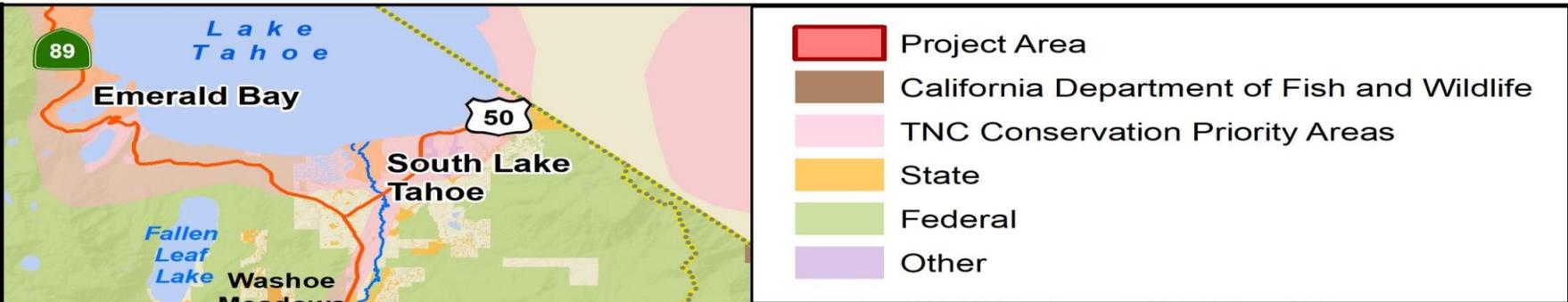
Slide 5

- Dewatered floodplain dominated by sagebrush

15. Meadow Restoration
Planning in the American and
Pine Creek Watersheds
Slide 6

- Incised channel and dewatered floodplain below the first railroad grade.





**Faith Valley Meadow Restoration
Alpine County**

5 Miles

16 WCB 11/18/2020



16. Faith Valley Meadow Restoration

Slide 1

- Faith Valley: channel incision and eroding bank along West Carson River.



16. Faith Valley Meadow Restoration

Slide 2

Faith Valley: eroding head cut stemming from channel incision.

A wide, unpaved dirt road winds through a grassy meadow. The road is composed of light-colored soil and small stones. To the left, a dense forest of tall evergreen trees borders the meadow. In the distance, a white trailer is parked on the road. The background shows rolling hills and mountains under a clear blue sky. In the bottom right corner, the back of a person wearing a blue jacket and a white hard hat is visible, holding a clipboard.

16. Faith Valley Meadow Restoration

Slide 3

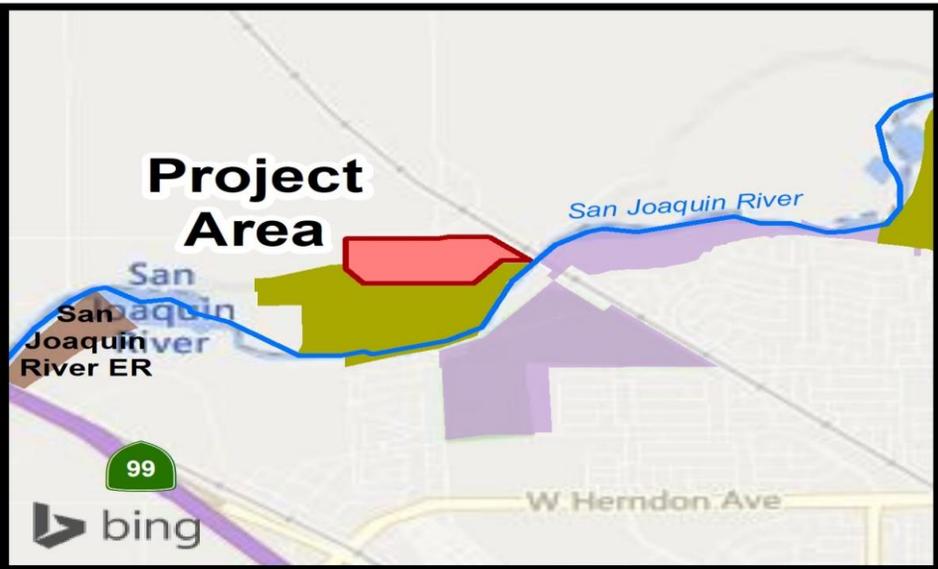
Faith Valley: entrenched section of the OHV route that captures and conveys winter flow.

16. Faith Valley Meadow Restoration

Slide 4

Faith Valley: beaver dam at the downstream end of Faith Valley in 2016 that was maintaining a raised water table upstream.





**San Joaquin River Parkway, Slenders Property
Madera County**

17. San Joaquin River Parkway, Slenders Property

Slide 1

Property is adjacent SJRC's
Schneider property.





17. San Joaquin River Parkway, Slenders Property

Slide 2

Five-acre Portion of the Property that the owner will retain. Looking north.



17. San Joaquin River Parkway, Slenders Property

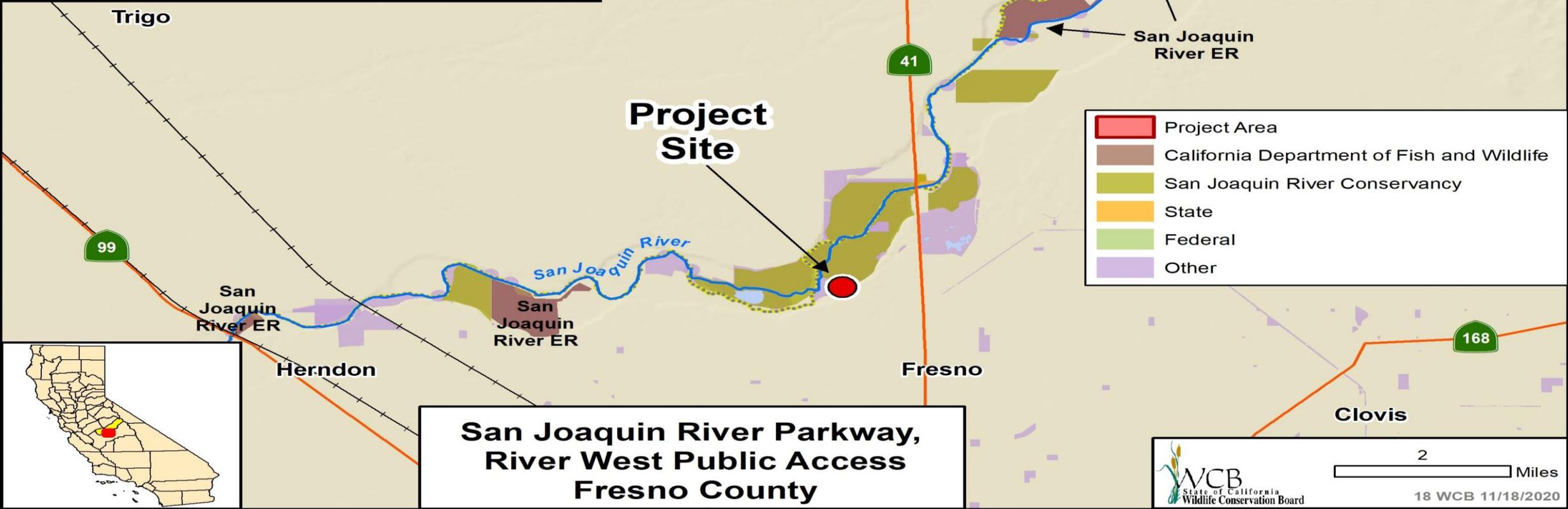
Slide 3

Property is directly south of Avenue
7, looking east.



17. San Joaquin River Parkway,
Slenders Property
Slide 4

Portion of the Property borders the San Joaquin River.
Riparian habitat along the San Joaquin River's is in the
background. Looking southeast.



**San Joaquin River Parkway,
River West Public Access
Fresno County**



2 Miles

18 WCB 11/18/2020



18. San Joaquin River Parkway, River West Public Access

Slide 1

Looking northwest at the
Property from Spano Park



18. San Joaquin River Parkway, River West Public Access

Slide 2

Property is adjacent the San Joaquin River.
Looking west



18. San Joaquin River Parkway, River West Public Access

Slide 3

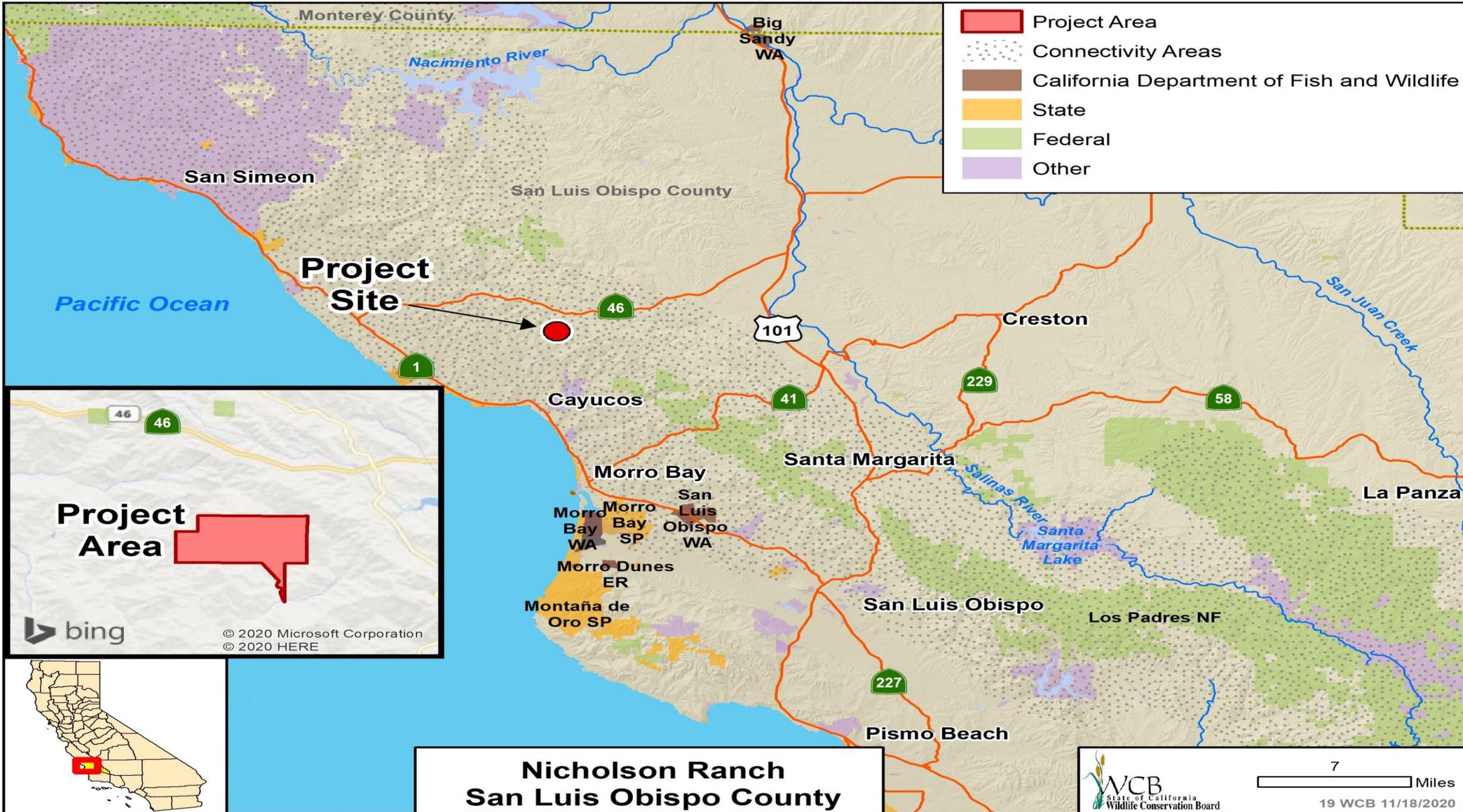
Access to the Property would be through Spano Park, located at the top of the bluff.



18. San Joaquin River Parkway, River West Public Access

Slide 4

Parking lot would be located on this part
of the Property. Looking north



**Nicholson Ranch
San Luis Obispo County**





19. Nicholson Ranch

Slide 1

Typical coastal live oaks found
on the Nicholson Ranch



19. Nicholson Ranch

Slide 2

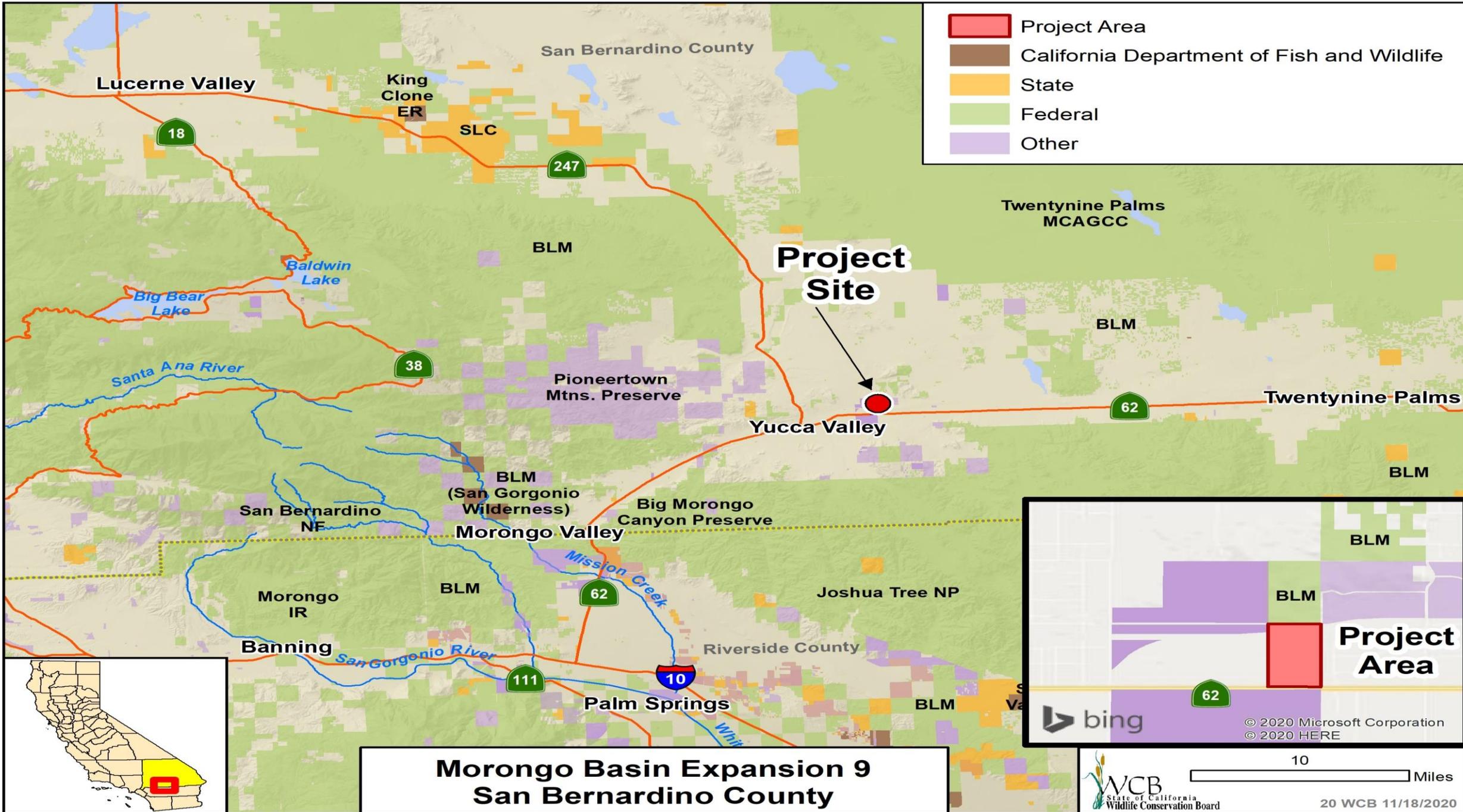
Located only 4 miles from the coast, the Nicholson Ranch CE will protect oak woodlands and coastal views.

A scenic landscape of a grassy hillside with scattered trees and large rocks under bright sunlight. The scene is captured from a low angle, looking up the slope. The foreground is dominated by large, dark, mossy rocks and patches of green grass. The middle ground shows a gentle rise in the land, covered in vibrant green grass, with several trees of varying sizes and species scattered across it. The background is filled with more trees and a clear blue sky, suggesting a bright, sunny day. The overall atmosphere is peaceful and natural.

19. Nicholson Ranch

Slide 3

The Nicholson Ranch CE will protect a working landscape and habitat for sensitive species.



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

Project Site



**Morongo Basin Expansion 9
San Bernardino County**





20. Morongo Basin Expansion 9

Slide 1

Dirt road access to Morongo
Basin Expansion 9 (Jung)
property looking North.



20. Morongo Basin Expansion 9

Slide 2

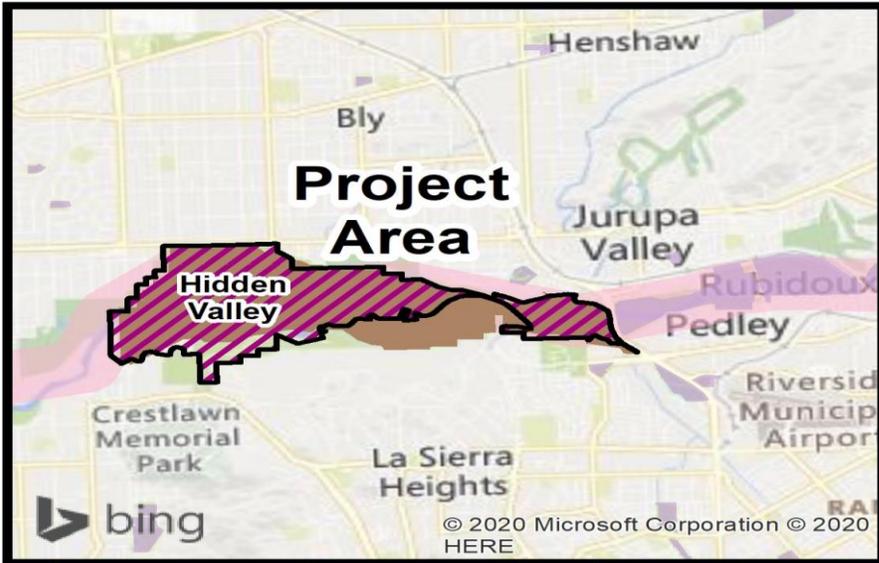
Typical desert habitat found on Jung parcels
containing Joshua Trees and desert scrub



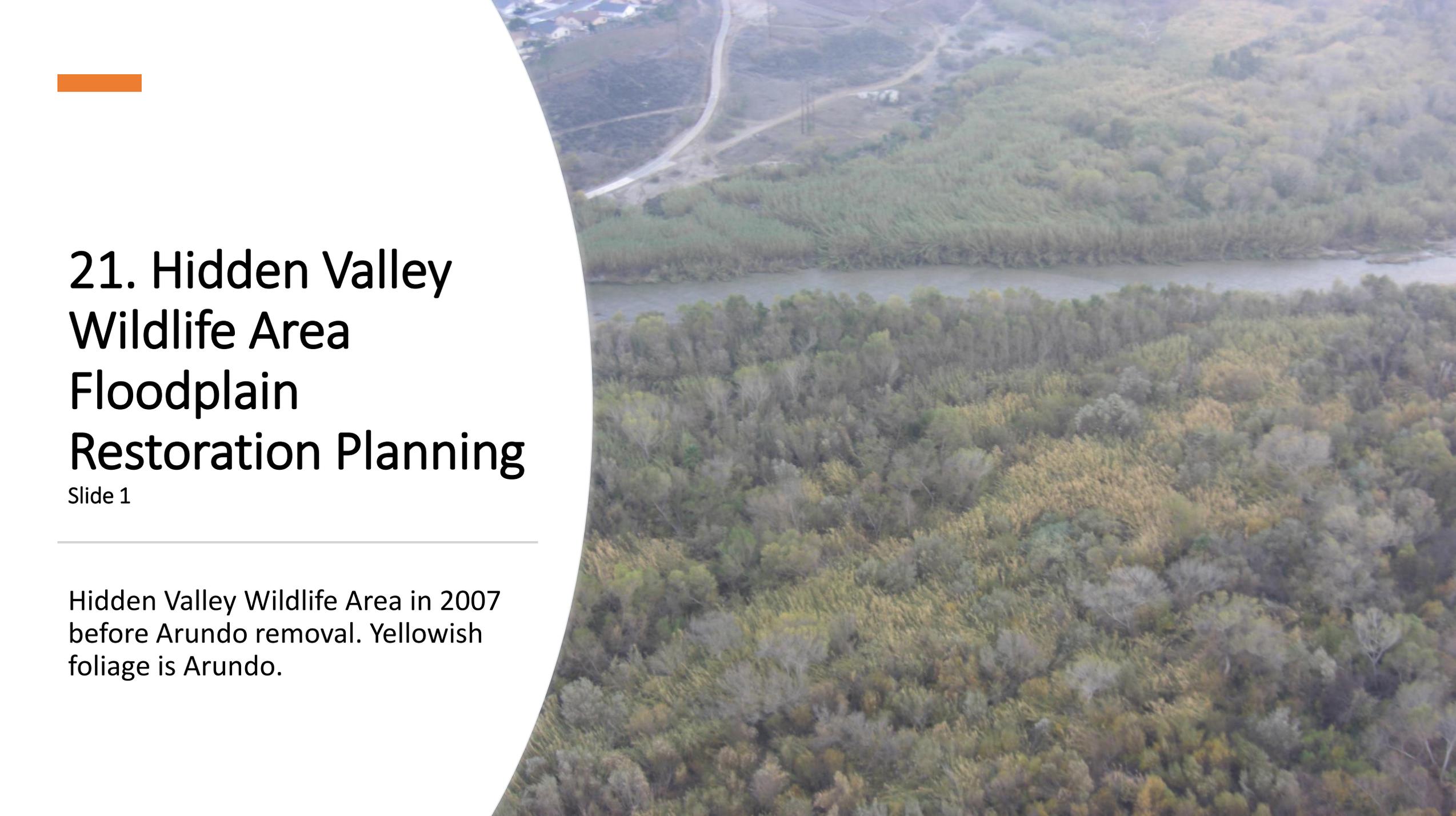
20. Morongo Basin Expansion 9

Slide 3

Typical Mojave desert
habitat types found on the
Jung parcel.



**Hidden Valley Wildlife Area Floodplain
Restoration Planning
Riverside County**



21. Hidden Valley
Wildlife Area
Floodplain
Restoration Planning

Slide 1

Hidden Valley Wildlife Area in 2007
before Arundo removal. Yellowish
foliage is Arundo.

21. Hidden Valley Wildlife Area Floodplain Restoration Planning

Slide 2

Hidden Valley Wildlife Area in
2007 before Arundo removal.
Yellowish foliage is Arundo.





21. Hidden Valley Wildlife Area Floodplain Restoration Planning

Slide 3

Hidden Valley Wildlife Area in 2016 after Arundo removal. Open areas are where Arundo was removed.

21. Hidden Valley Wildlife Area Floodplain Restoration Planning

Slide 4

Hidden Valley Wildlife Area in 2016 after Arundo removal. Open areas are where Arundo was removed.





21. Hidden Valley
Wildlife Area Floodplain
Restoration Planning
Slide 5

- Mann Fire burn scar area in Hidden Valley Wildlife Area in July 2020 showing areas where *Arundo* is resprouting after fire.



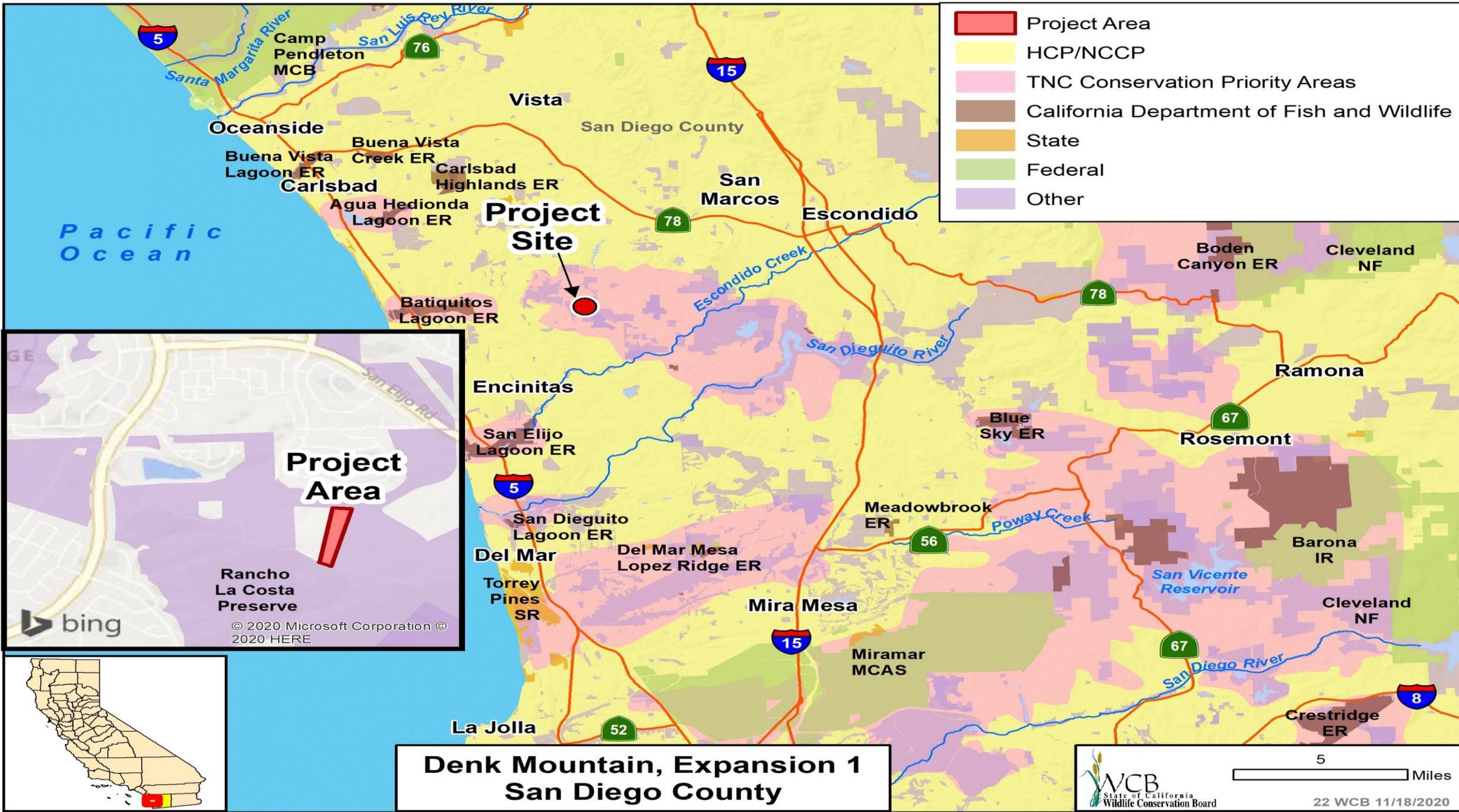
21. Hidden Valley
Wildlife Area Floodplain
Restoration Planning
Slide 6

- Looking north from Farm Field in Hidden Valley Wildlife Area at Area East of Farm Field in July 2020.



21. Hidden Valley
Wildlife Area Floodplain
Restoration Planning
Slide 7

- Ponds Area in Hidden Valley Wildlife Area in July 2020.





22. Denk Mountain, Expansion 1

Slide 1

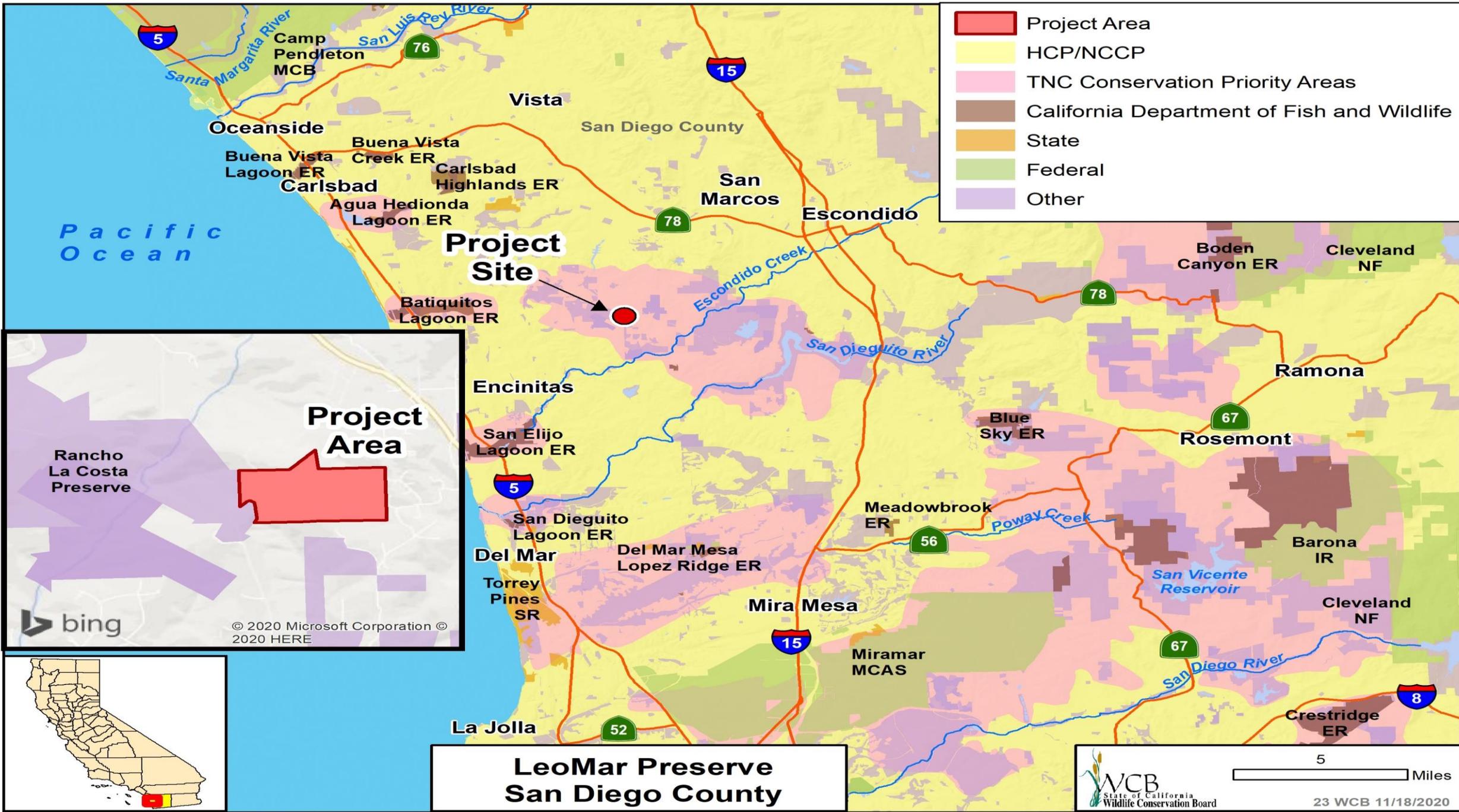
View looking across the
property.



22. Denk Mountain, Expansion 1

Slide 2

View looking across the property
at the community of San Marcos.



**LeoMar Preserve
San Diego County**



23. LeoMar Preserve

Slide 1

- Westerly View towards the Ocean



23. LeoMar Preserve

Slide 2

Rolling terrain and
vegetation habitat



23. LeoMar Preserve

Slide 3

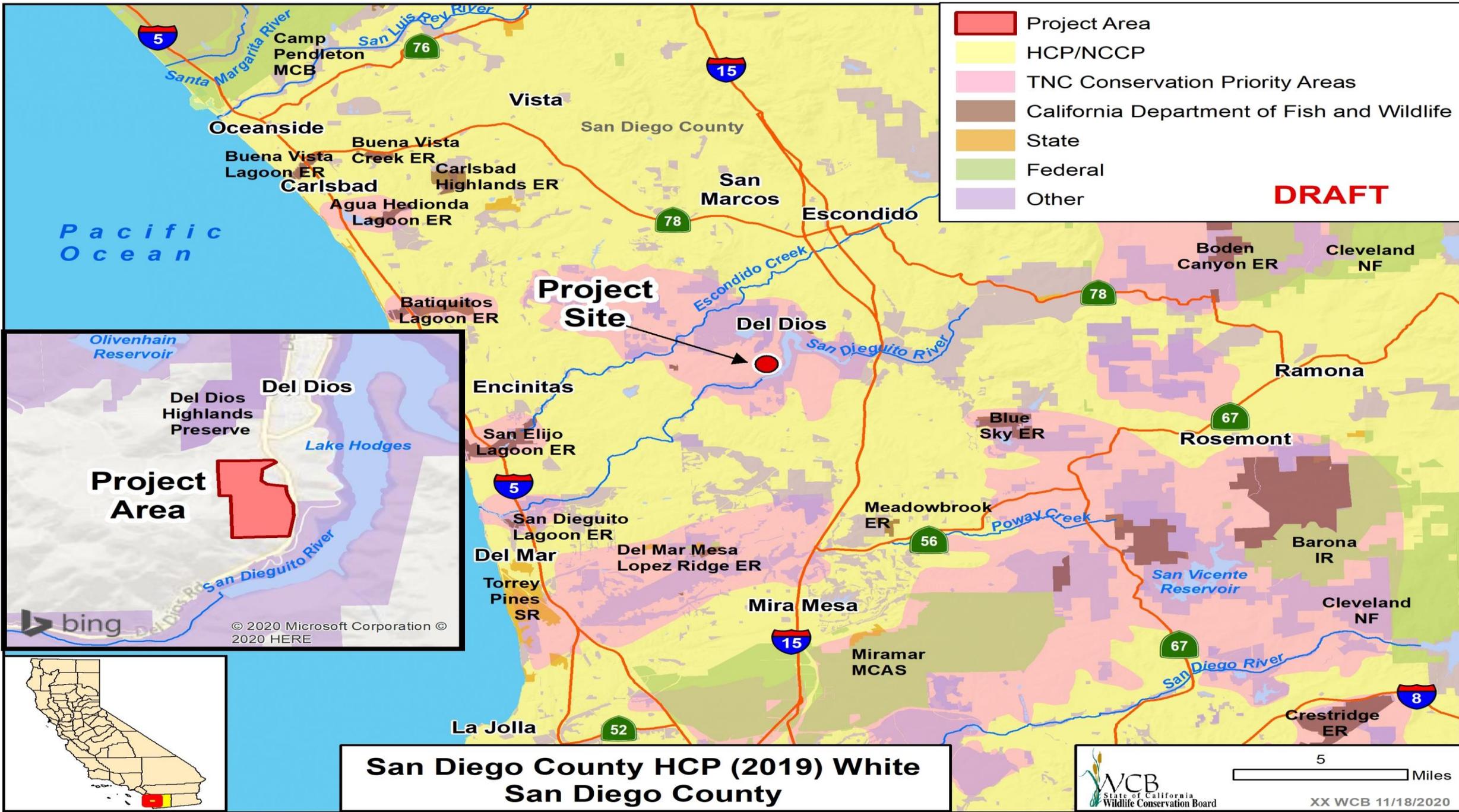
Encroaching development
on easterly border



23. LeoMar Preserve

Slide 4

Habitat connected to
adjacent open space



**San Diego County HCP (2019) White
San Diego County**



24. San Diego County HCP (2019) White

Slide 1

View of Lake Hodges looking
south from property.



24. San Diego County HCP (2019) White

Slide 2

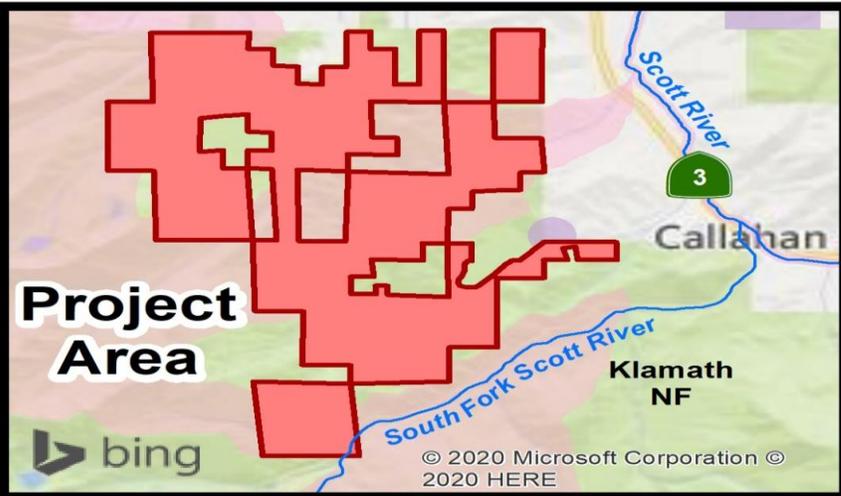
View of property looking east from the
western-most property line.

A landscape photograph showing a dirt path winding through a valley. The hills are covered in dense green vegetation, and the sky is blue with some clouds. The text is overlaid on the left side of the image.

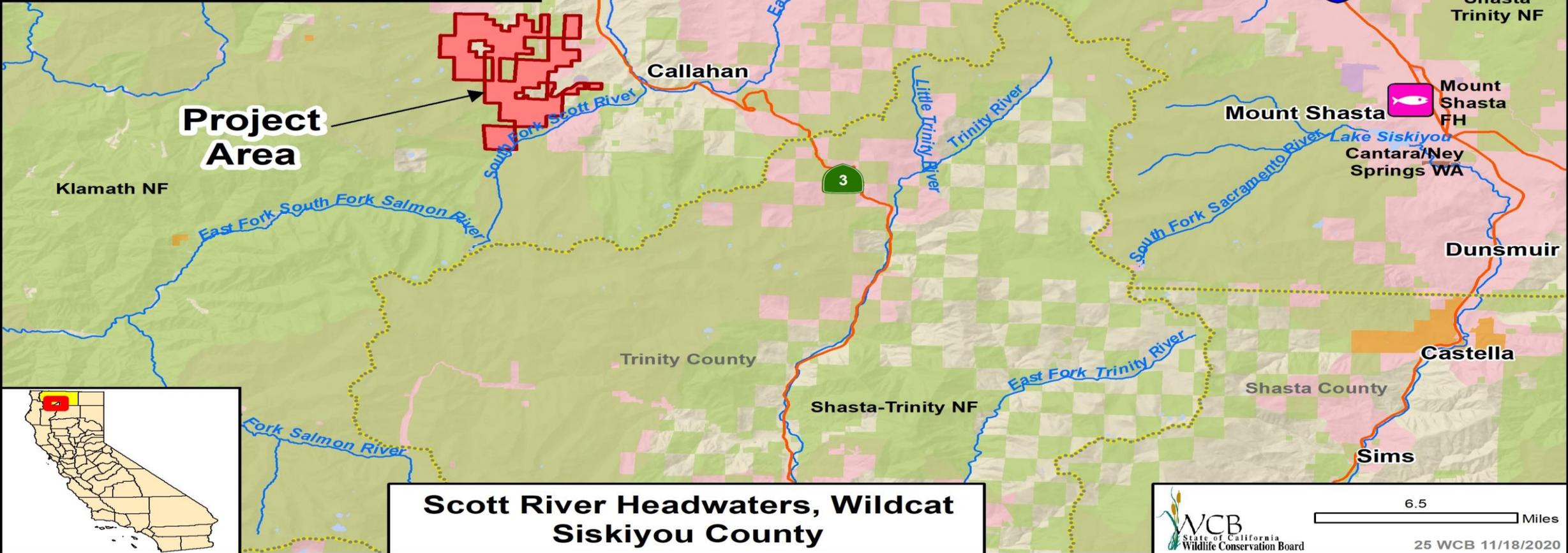
24. San Diego County HCP (2019) White

Slide 3

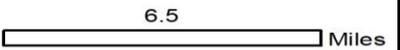
View of property looking
north.



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



**Scott River Headwaters, Wildcat
Siskiyou County**





25. Scott River Headwaters, Wildcat

Slide 1

Headwaters of Wildcat
Creek is on the Property



25. Scott River Headwaters, Wildcat

Slide 2

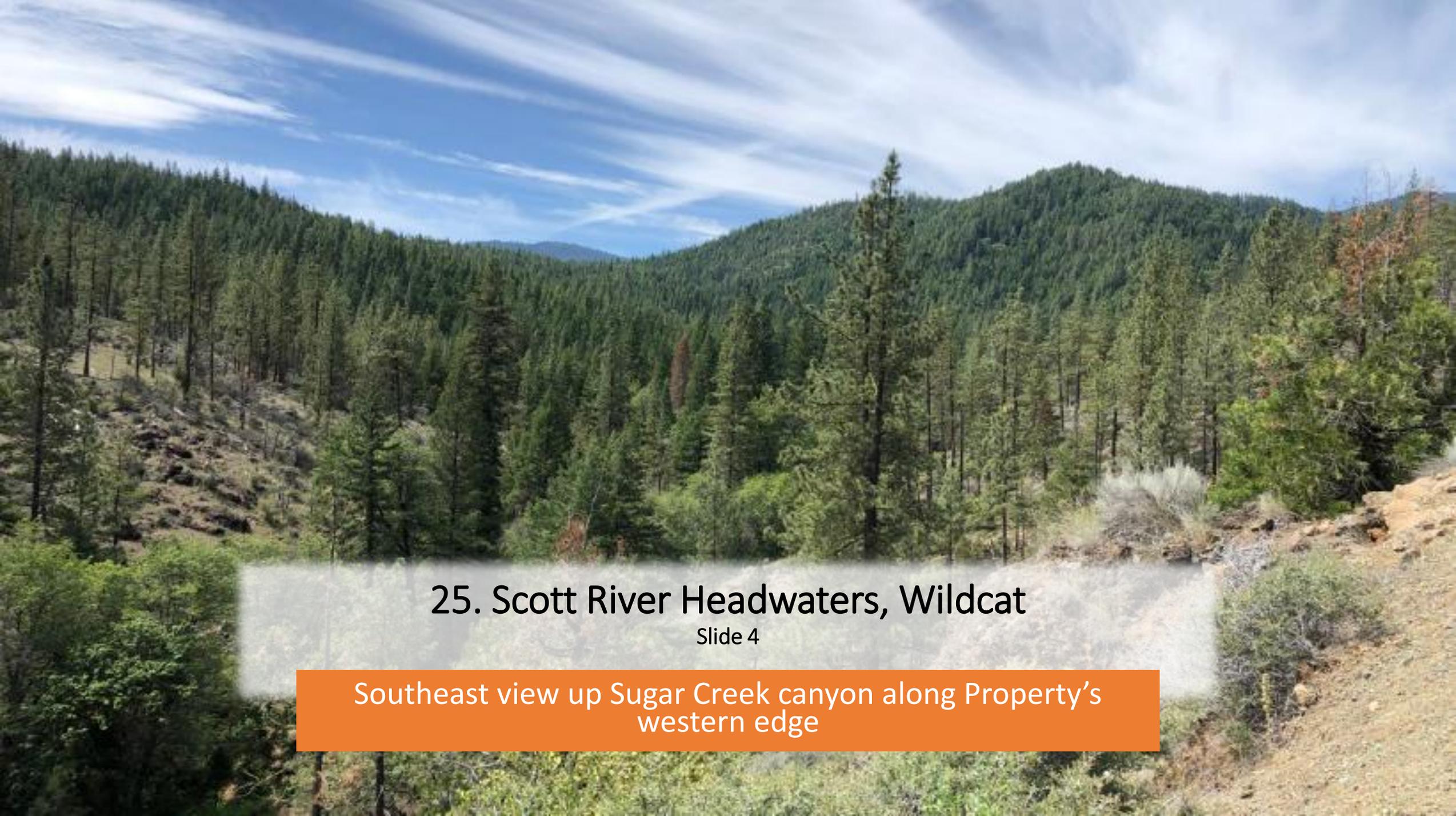
Headwaters of Sugar Creek is
on the Property



25. Scott River Headwaters, Wildcat

Slide 3

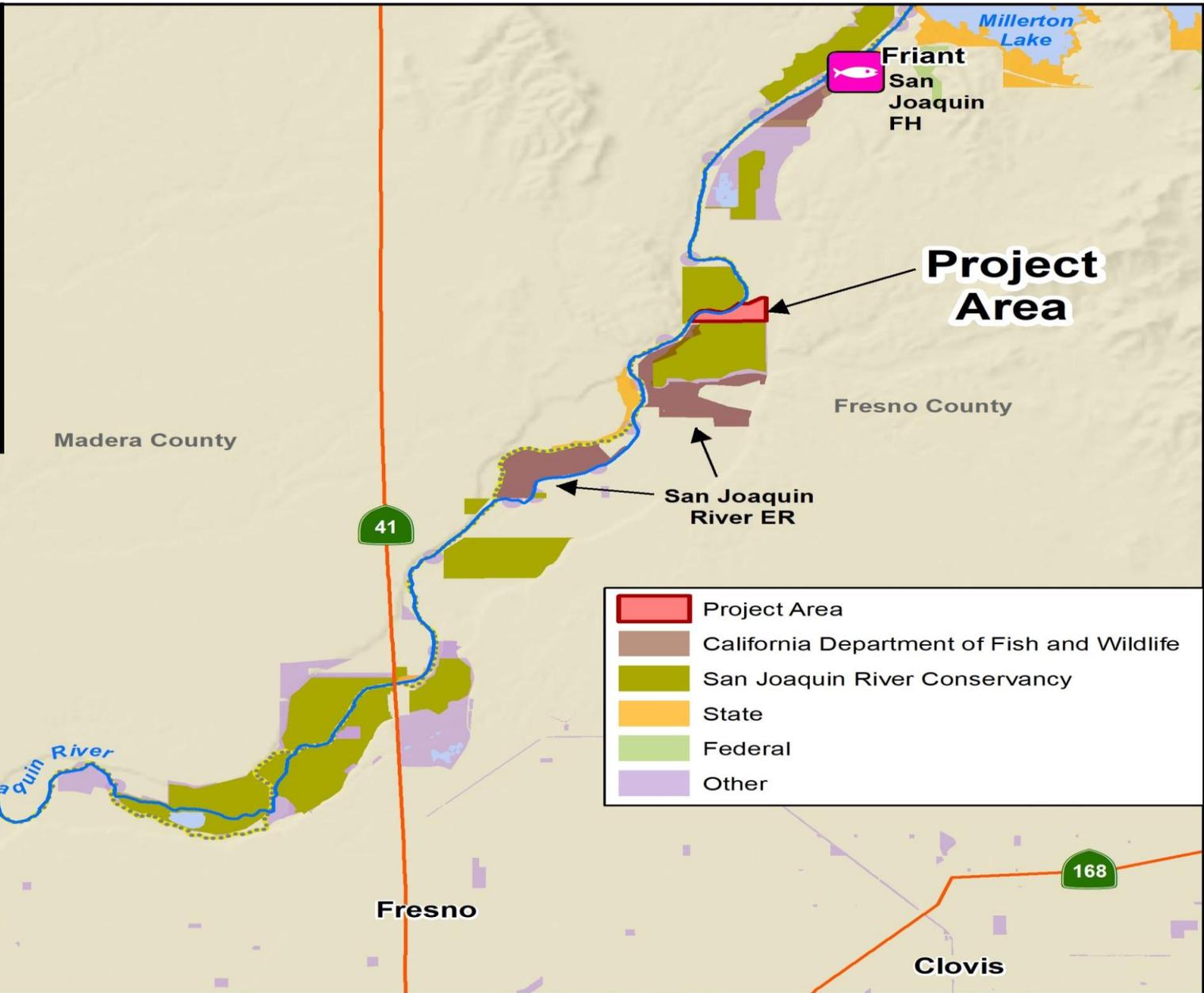
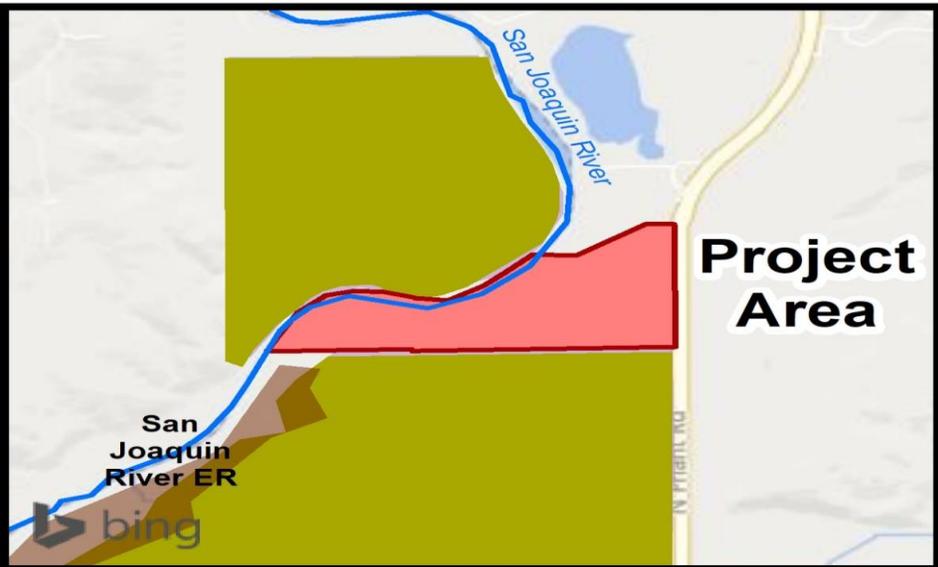
Easterly facing view to Mount
Shasta

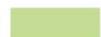


25. Scott River Headwaters, Wildcat

Slide 4

Southeast view up Sugar Creek canyon along Property's western edge



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



**San Joaquin River Parkway, Sumner-Peck Ranch
Fresno County**



2 Miles

26 WCB 11/18/2020



26. San Joaquin River Parkway, Sumner-Peck Ranch

Slide 1

Sumner Peck Ranch is a
small winery adjacent the
San Joaquin River.



26. San Joaquin River Parkway, Sumner-Peck Ranch

Slide 2

The Property is developed for hosting
events and wine production.



26. San Joaquin River Parkway, Sumner- Peck Ranch

Slide 3

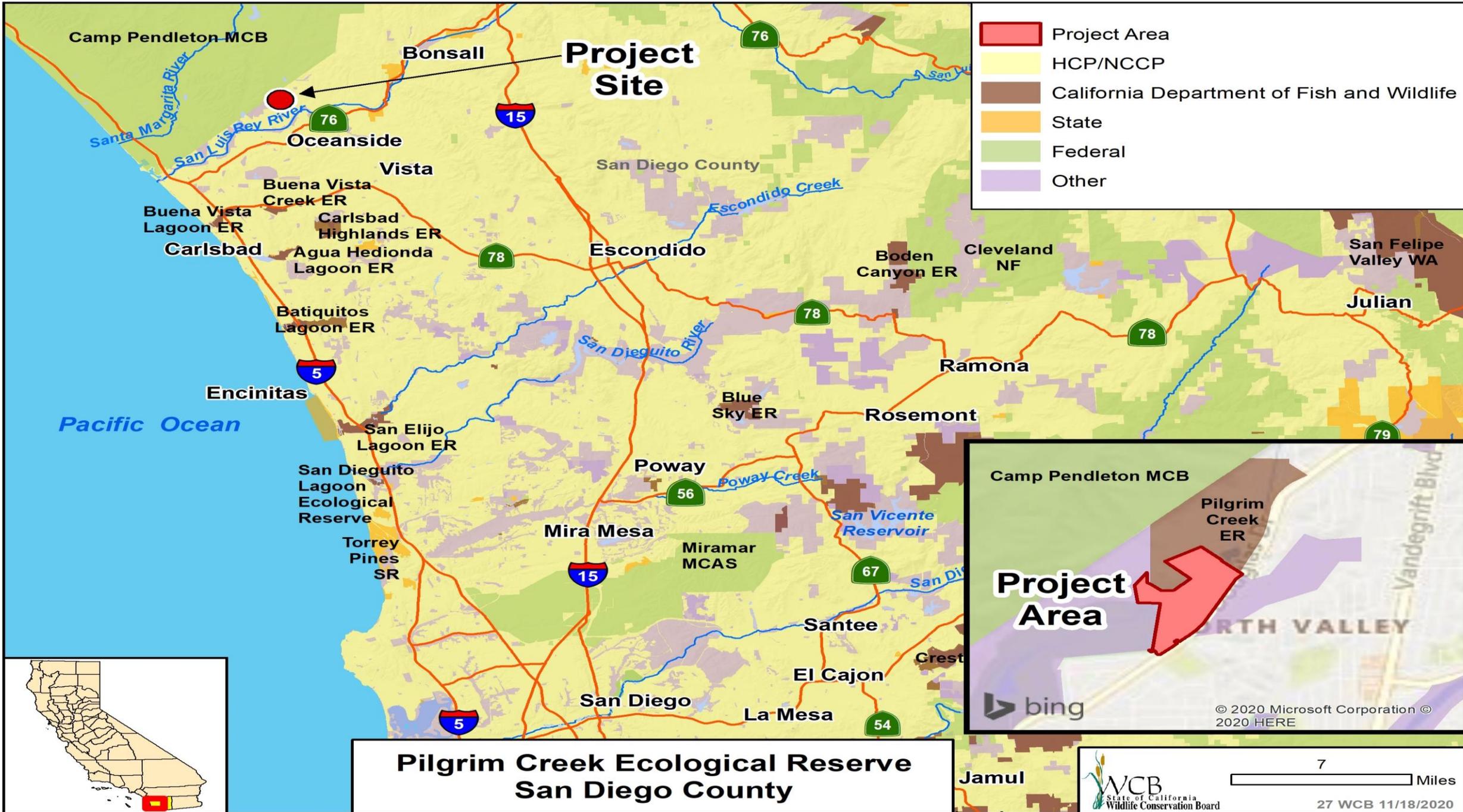
Center of the vineyard, looking
west toward the San Joaquin
River



26. San Joaquin River Parkway, Sumner-Peck Ranch

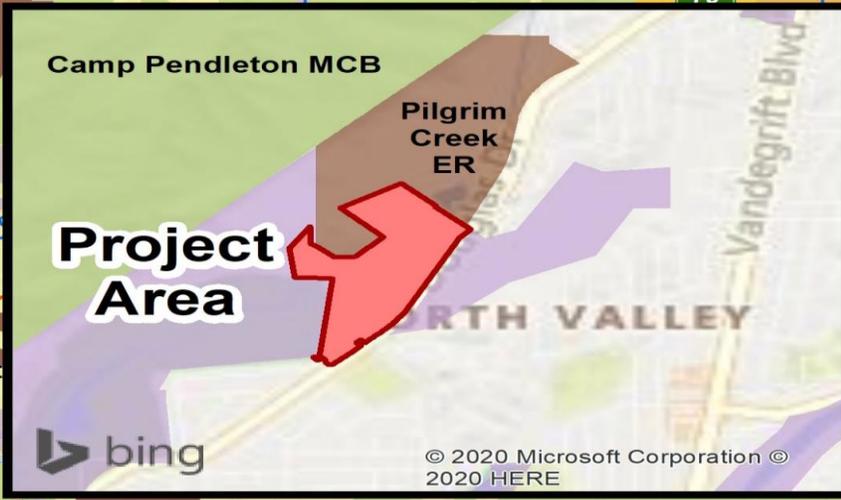
Slide 4

Riparian habitat on the western
boundary of the Property.



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

**Pilgrim Creek Ecological Reserve
San Diego County**





27. Pilgrim Creek Ecological Reserve

Slide 1

Property is adjacent a residential neighborhood. Looking southwest



27. Pilgrim Creek Ecological Reserve

Slide 2

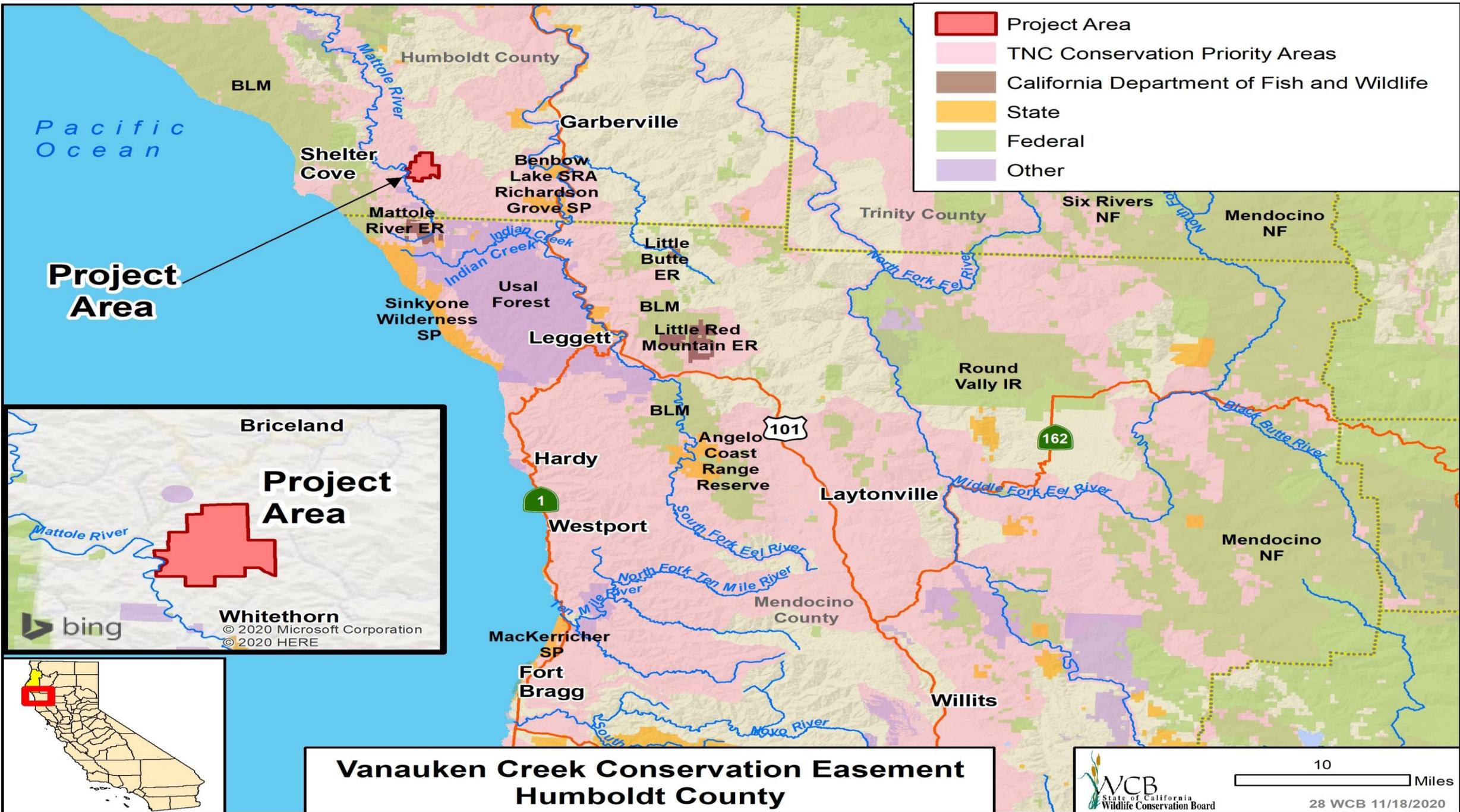
Looking east at the Property. Hills in the background are on Camp Pendleton



27. Pilgrim Creek Ecological Reserve

Slide 3

Looking northwest at the Property from the South
boundary



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

Project Area



**Vanauken Creek Conservation Easement
Humboldt County**

A photograph of a shallow, rocky stream in a forest. Several Chinook salmon are visible, swimming and spawning in the water. The banks are covered in moss and ferns. The water is clear, showing the rocks and the fish. The scene is captured in a natural, outdoor setting.

28. Vanauken Creek Conservation Easement

Slide 1

Chinook salmon spawning in Vanauken Creek. Winter 2017.



**28. Vanauken Creek
Conservation Easement**
Slide 2

Vanauken watershed looking down from headwaters
towards confluence with Mattole River.



**28. Vanauken Creek
Conservation Easement**
Slide 3

Confluence of north fork and middle fork of Vanauken Creek. Pictured from left to right: Lands Committee Chair, Mike Torbert, Lands Program Director, Galen Doherty, and Water Program Director, Tasha McKee. Spring 2018.



28. Vanauken Creek
Conservation Easement
Slide 4

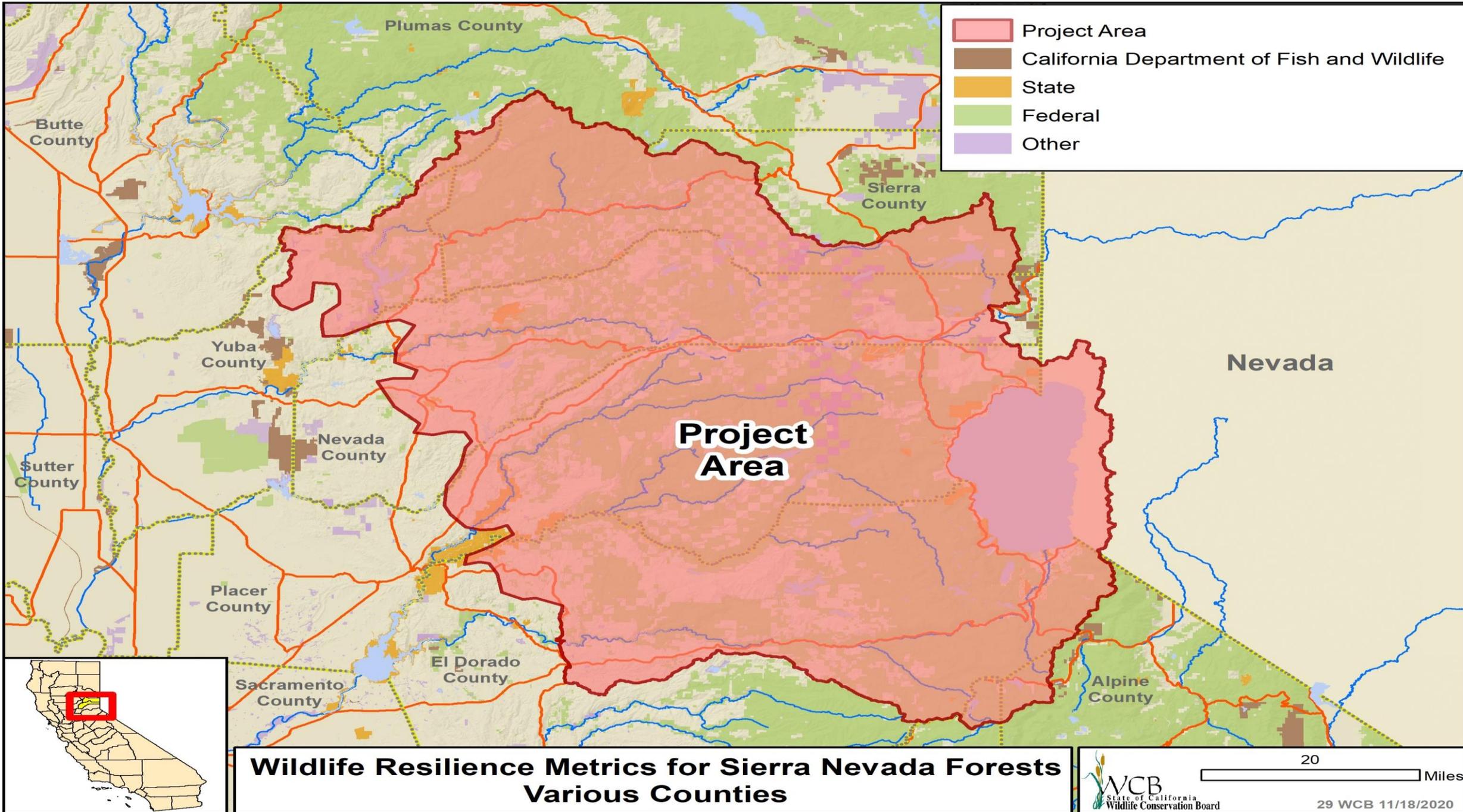
Old growth redwood stump along south fork of Vanauken Creek.
Pictured – Lands Program Director, Galen Doherty. Spring 2018.



28. Vanauken Creek Conservation Easement

Slide 5

Clear Cut operation on
neighboring property, bordering
headwaters of Vanauken, part
of the Vanauken THP.



Climate Adaptation and Resilience Program (2020 Solicitation)

WILDLIFE CONSERVATION BOARD

Climate Adaptation and Resilience Program
2020 Proposal Solicitation Notice

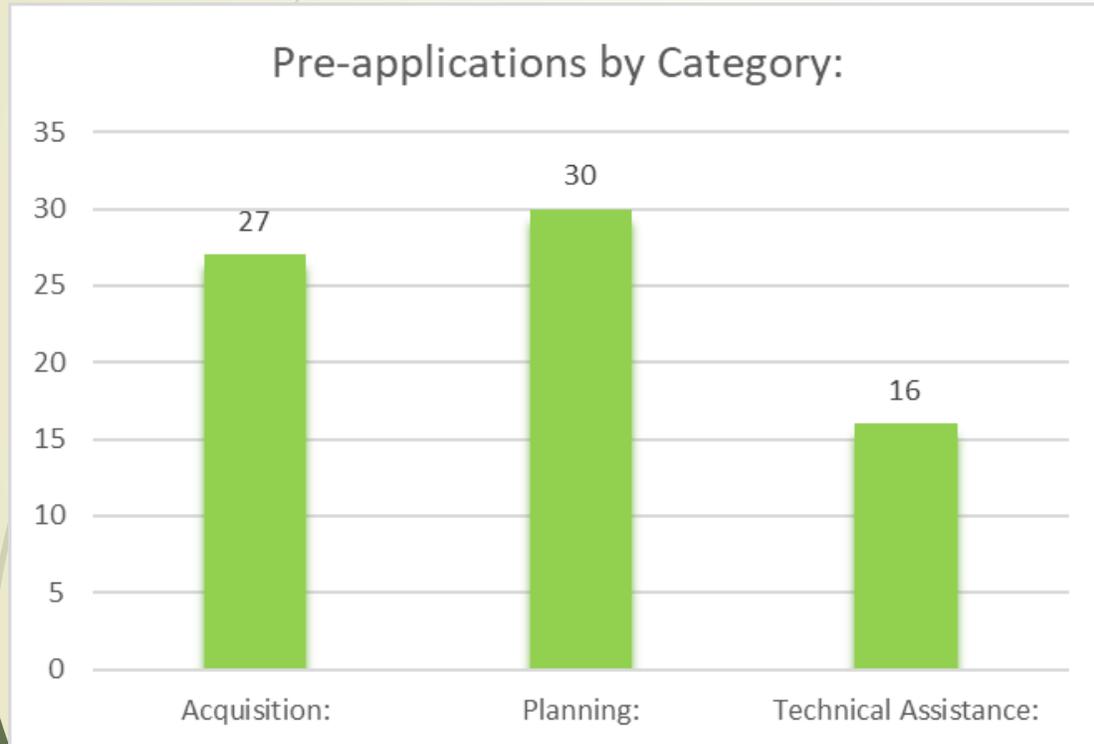


- \$8.4 million for climate adaptation and resiliency projects that result in enduring benefits.
- Three categories of projects:
 - Planning (\$1-2M)
 - Technical Assistance (\$1-2M)
 - Conservation Easement (\$6M)
- Pre-application concept paper followed by a Full Application for selected projects

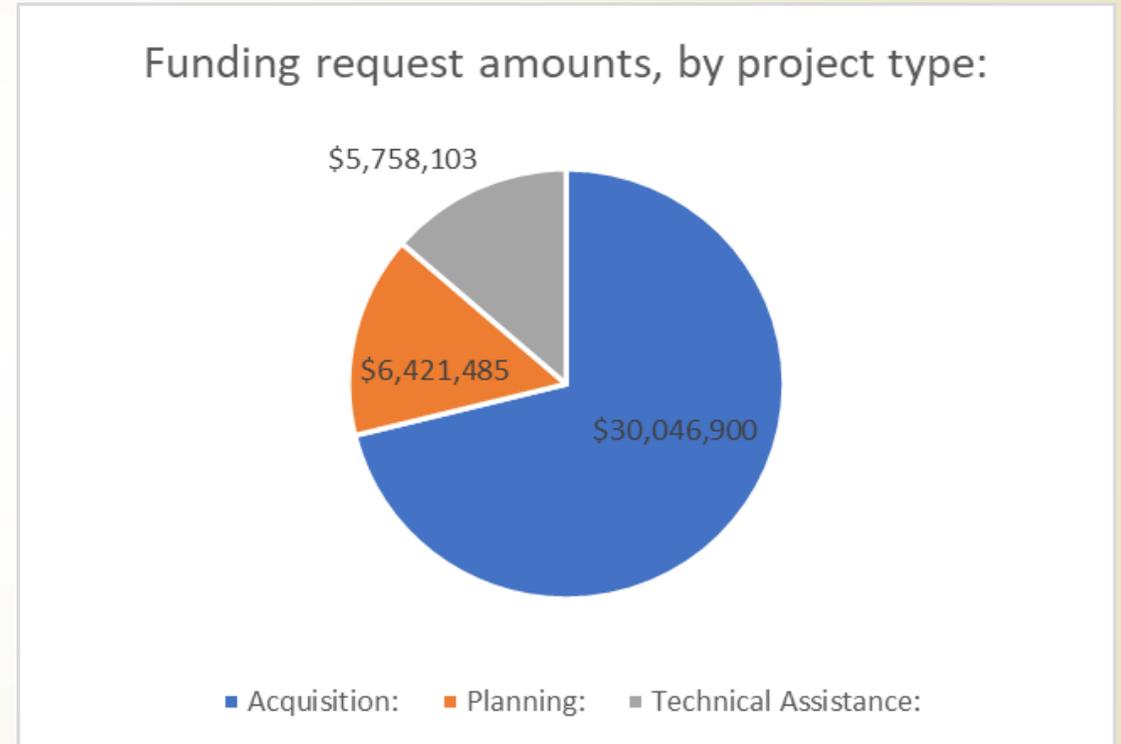
TIMELINE:

- March 12: Solicitation released
- April 13: Pre-applications due
- June 16: Full applications due
- September 3: Final selection meeting

Pre-application Response:

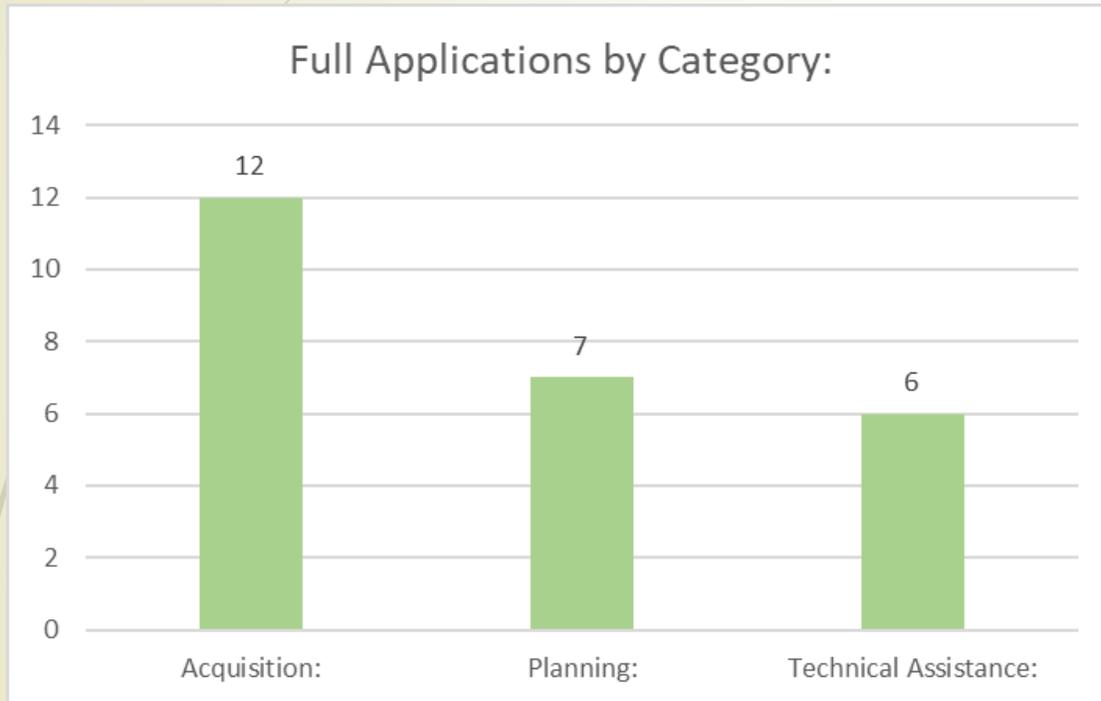


73 Pre-applications Received

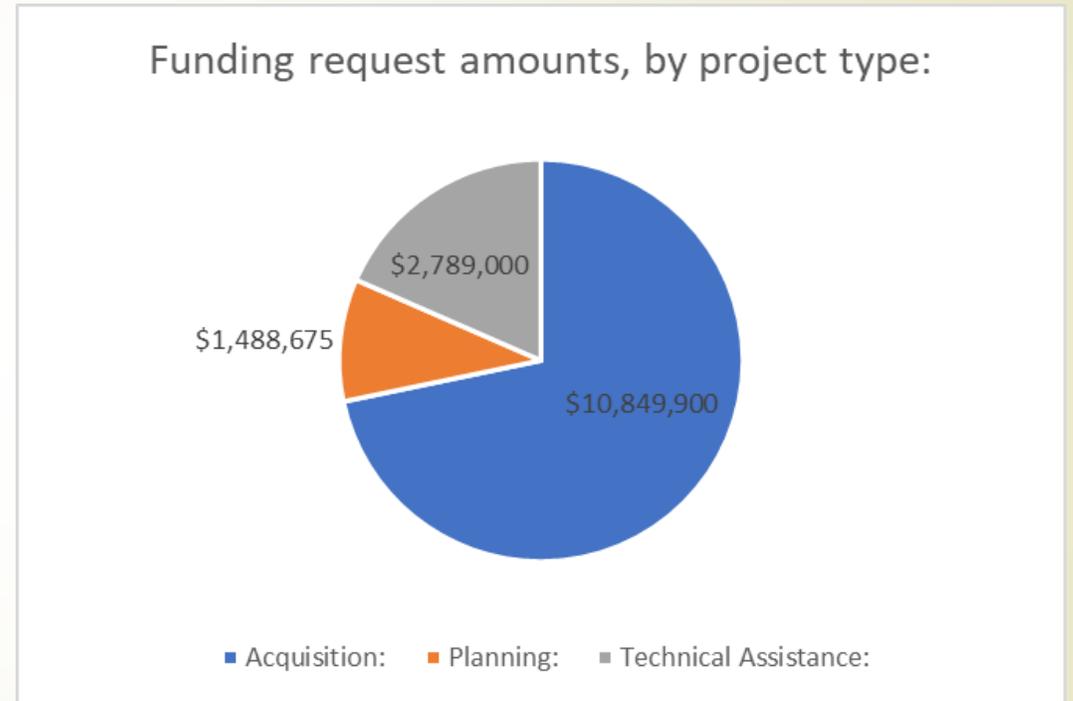


\$42,226,488 in Pre-application Requests

Full-applications:



25 Full Applications Received

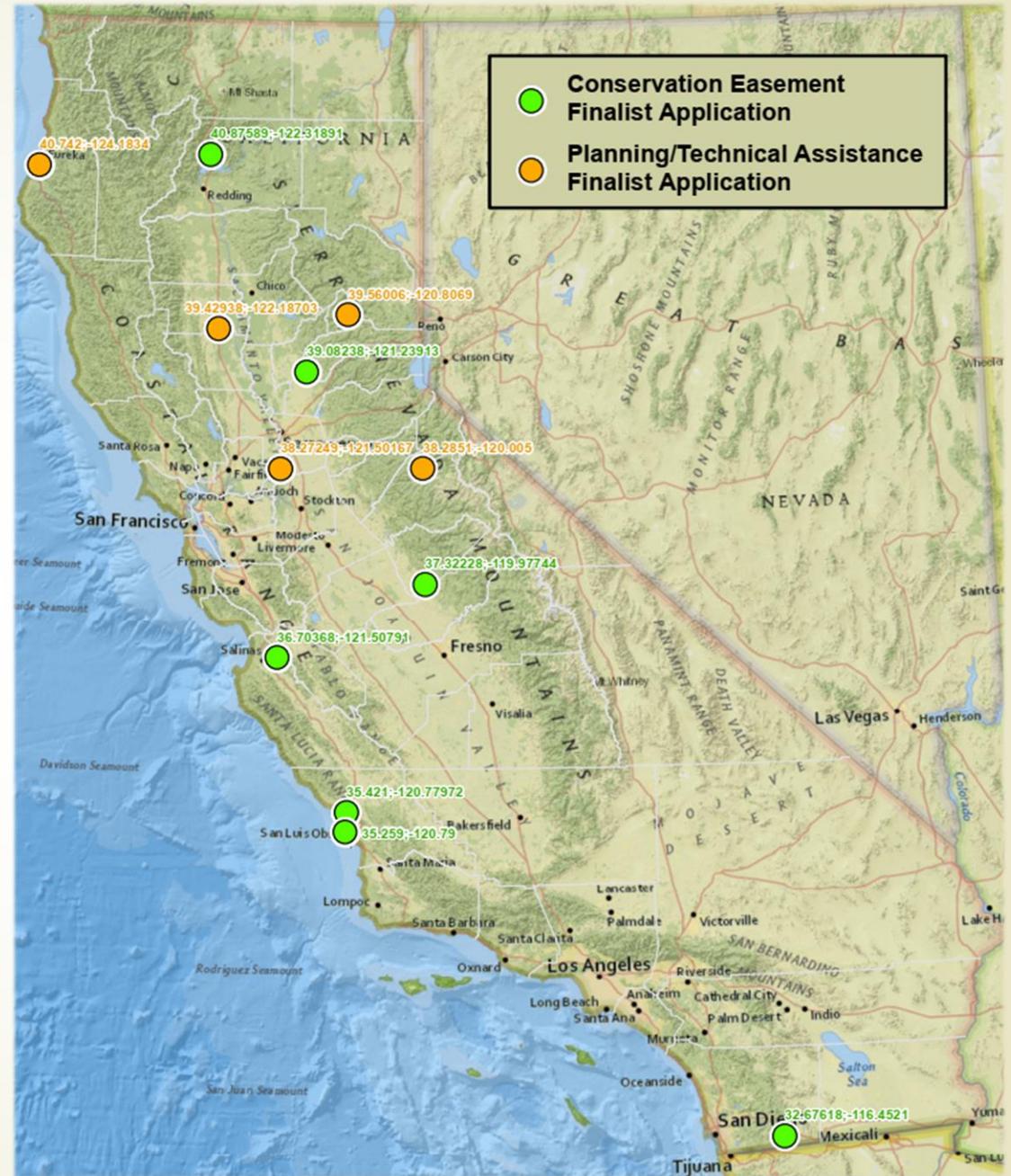


\$15,127,575 in Full Application Requests

Final selection:

Total: 14 projects selected,
\$7,633,717 in requests

- Conservation Easement Acquisition: 6 projects at \$5,529,600
- Technical Assistance: 5 projects at \$1,365,536
- Planning: 3 projects at \$738,581



29. Wildlife Resilience Metrics for Sierra Nevada Forests Slide 2



California's Conservation Goals:

- Ecosystem/Landscape-scale
- Requires informational support:
 - Ecosystem vulnerabilities
 - Ecosystem resilience

Community-scale



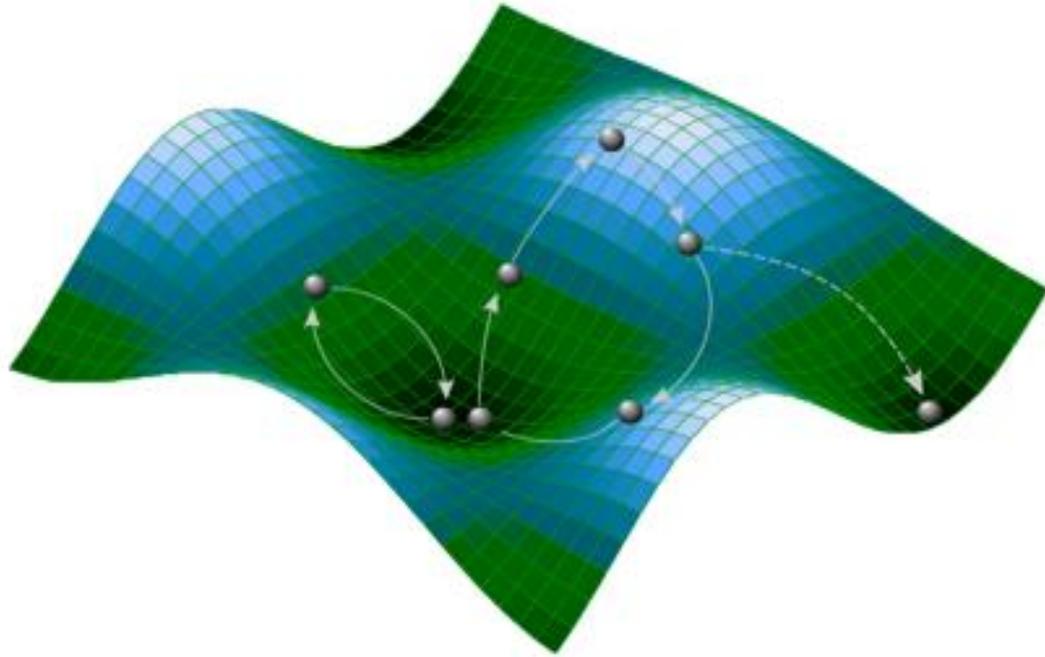
29. Wildlife Resilience Metrics for Sierra Nevada Forests

Slide 3

Graphical depiction of preliminary
forest food web interaction
matrix.

29. Wildlife Resilience Metrics for Sierra Nevada Forests

Slide 4



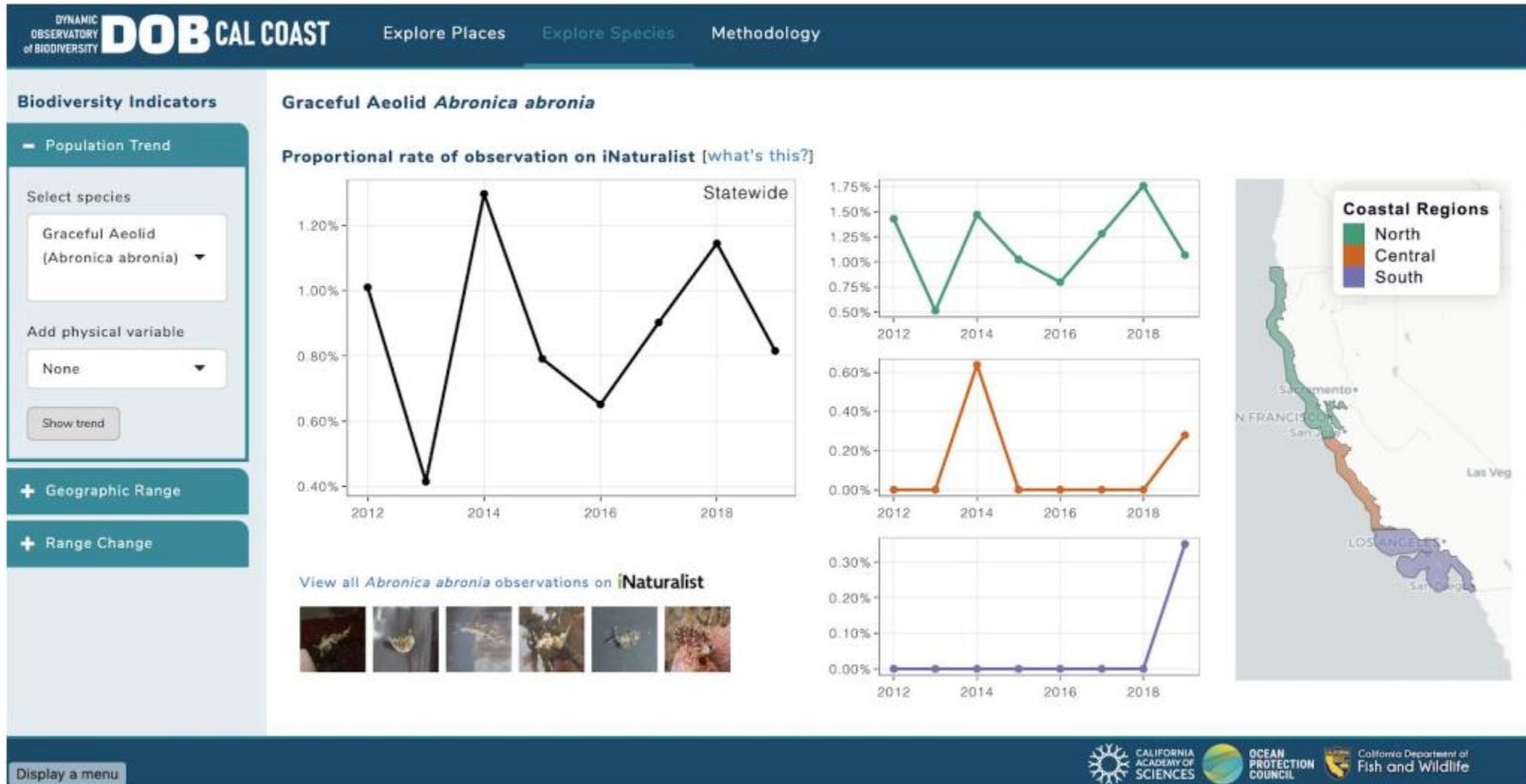
Conceptual model of ecological system stability and resilience.

Steps:

1. Construct a dynamic food-web model
2. Apply model metrics at the regional scale
3. Apply model metrics at the watershed scale
4. Develop web-based tool

29. Wildlife Resilience Metrics for Sierra Nevada Forests

Slide 5



Source: <http://calcoast.dob.bio>

CDFW Vegetation Mapping, Sierra Nevada and Northeast Various Counties





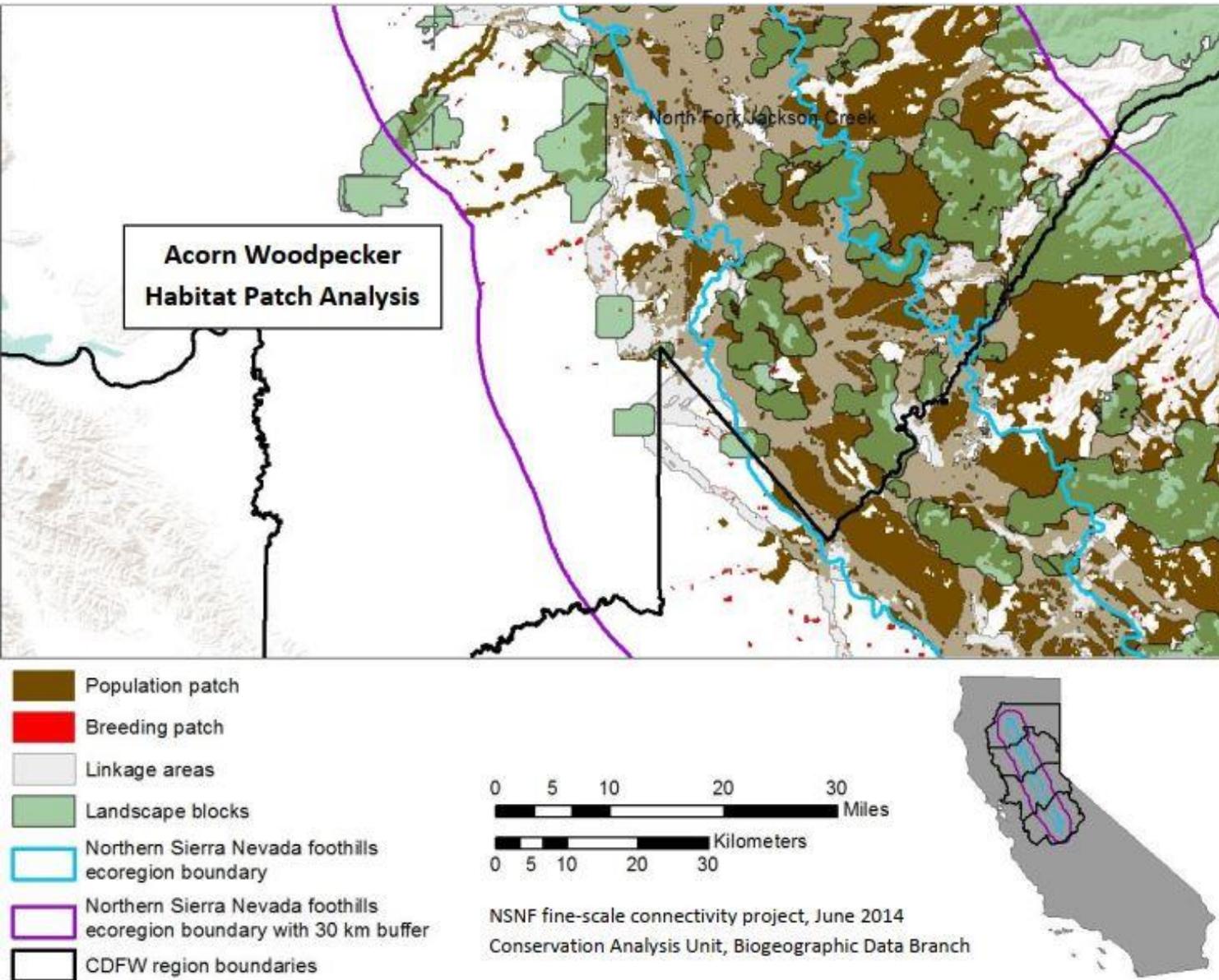
30. CDFW Vegetation Mapping, Sierra Nevada and Northeast

Slide 1

- CDFW Vegetation maps which are completed or in progress

30. CDFW Vegetation Mapping, Sierra Nevada and Northeast

Slide 2



- Example of use of fine-scale vegetation map from Northern Sierra Nevada Foothills: This figure identifies important habitat linkages for the acorn woodpecker, a focal species analyzed for the 2015 CDFW report on wildlife connectivity across the northern Sierra Nevada foothills. (Krause et al 2015).

30. CDFW Vegetation Mapping, Sierra Nevada and Northeast

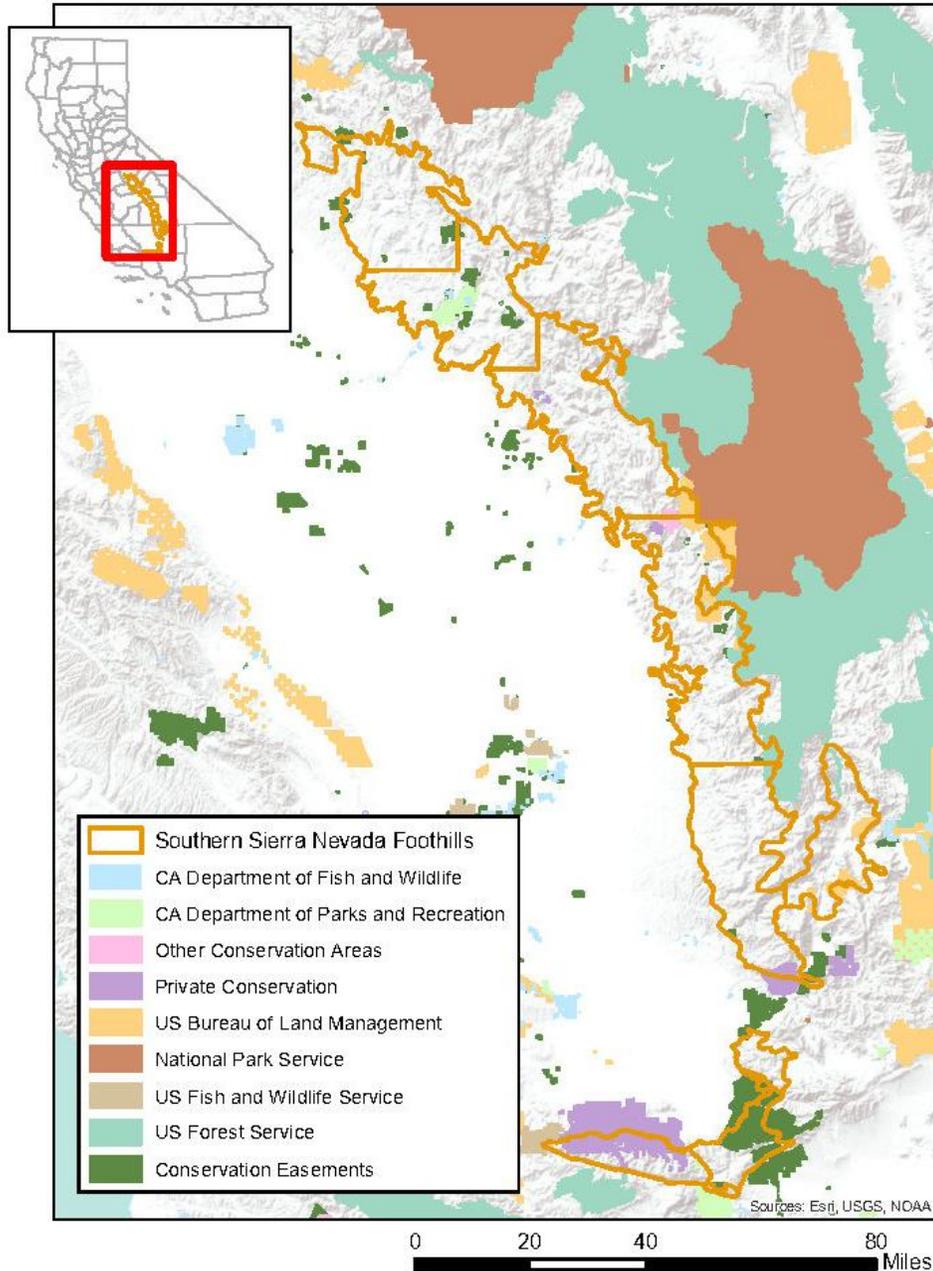
Slide 3

- Diamond Mountain, Lassen County, south of Susanville. Layered vegetation displaying the community diversity. From the foreground, Silvery Lupine, fades to a patch of Arrowleaf Groundsel followed by a thicket of Gray Alder (a Sensitive natural community in California).
- Photo by Brian Krebs.



Fully Protected Areas

In Proximity to Southern Sierra Nevada Foothills Project Area



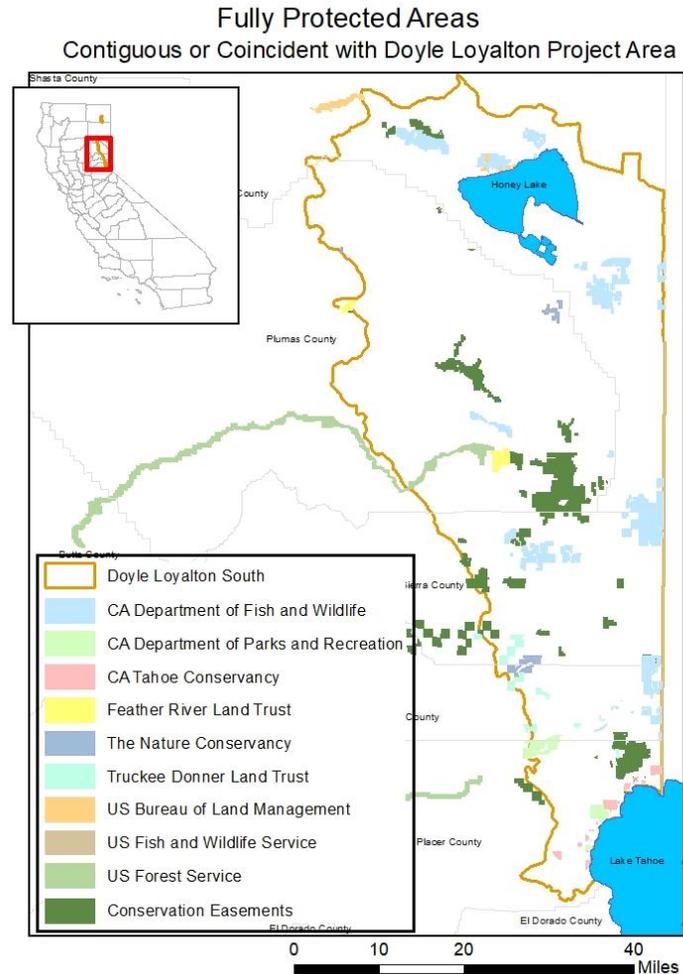
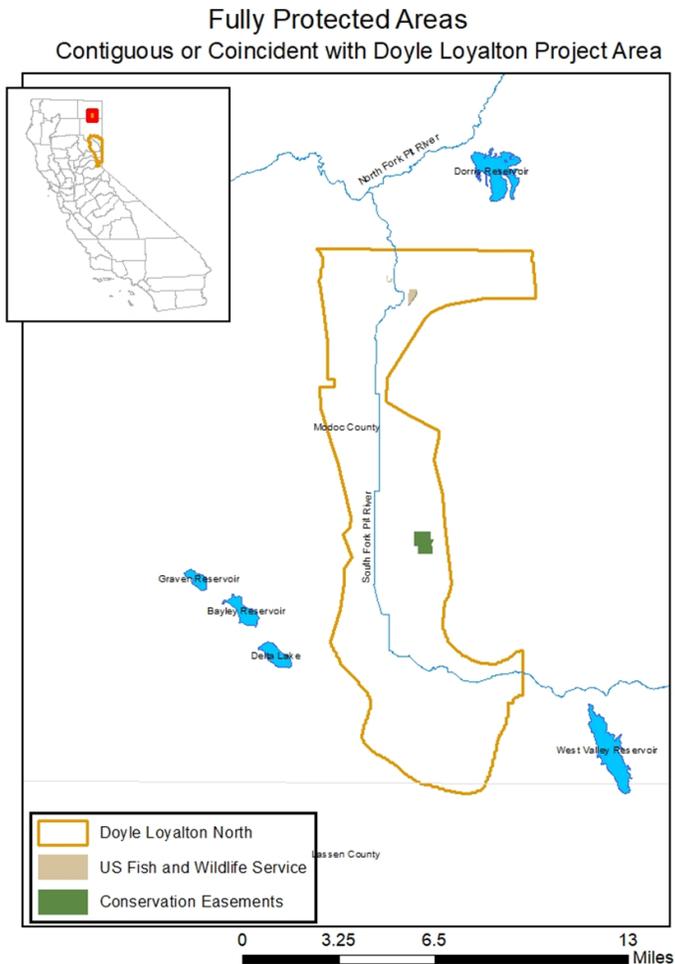
30. CDFW Vegetation Mapping, Sierra Nevada and Northeast

Slide 4

- Protected habitat areas within and in proximity to the Southern Sierra Nevada Foothills mapping area.
- (Source: California Protected Areas Database)

30. CDFW Vegetation Mapping, Sierra Nevada and Northeast

Slide 5



- Protected habitat areas within and in proximity to the Doyle and Loyalton-Truckee deer herd northern mapping area.
- Protected habitat areas within and in proximity to the Doyle and Loyalton-Truckee deer herd southern mapping area.



30. CDFW Vegetation Mapping, Sierra Nevada and Northeast

Slide 6

- A male Pronghorn in western Juniper (*Juniperus occidentalis* alliance) and big sagebrush (*Artemisia tridentata* alliance) habitat at the northwest edge of the Doyle-Loyalton study area.
- Photo by Todd Keeler-Wolf.

30. CDFW Vegetation Mapping, Sierra Nevada and Northeast

Slide 7

A lush Tufted Hairgrass meadow (*Deschampsia cespitosa* association), a sensitive natural community, in Red Clover Valley just north of Lake Davis in the northeastern region of the DoyleLoyalton study area.

Photos by Todd Keeler-Wolf.





Forest Conservation Program (2020 solicitation)

Slide 1

California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access for All Act of 2018 (**Proposition 68**)

“...protection, restoration, and improvement of **upper watershed lands** in the **Sierra Nevada and Cascade Mountains**, including forest lands, meadows, wetlands, chaparral, and riparian habitat, in order to protect and improve water supply and water quality, improve forest health, reduce wildfire danger, mitigate the effects of wildfires on water quality and supply, increase flood protection, or to protect or restore riparian or aquatic resources.”

Forest Conservation Program

(2020 solicitation)

Slide 2

- Proposition 68
- Sierra Nevada and Cascade ecoregions
- \$60 million for upper watershed





Forest Conservation Program

(2020 solicitation)

Slide 3

- Selection Process
 - Pre-Applications
 - Full Proposals
 - Selection Committee
- Solicitation Priorities
 - Meadows and streams
 - Post-fire recovery
 - Aspen stands



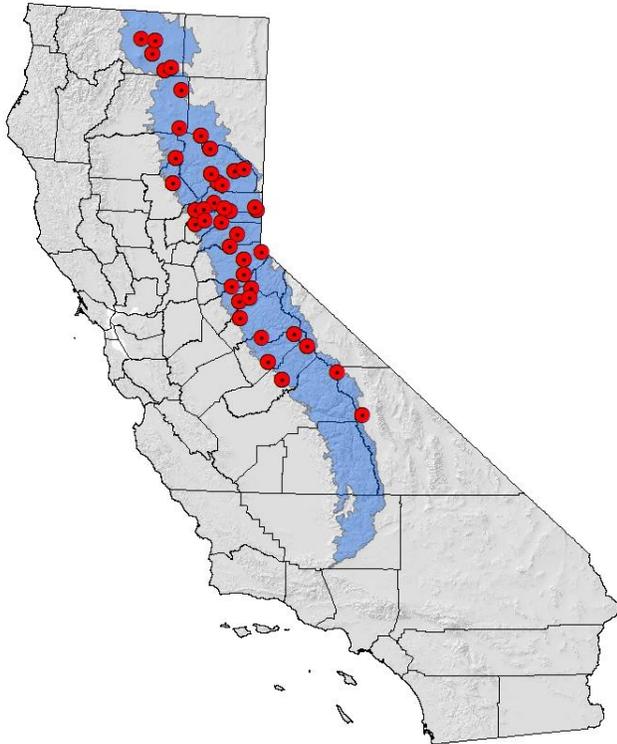
Forest Conservation Program (2020 solicitation)

Slide 4

Pre-Applications

44 proposals

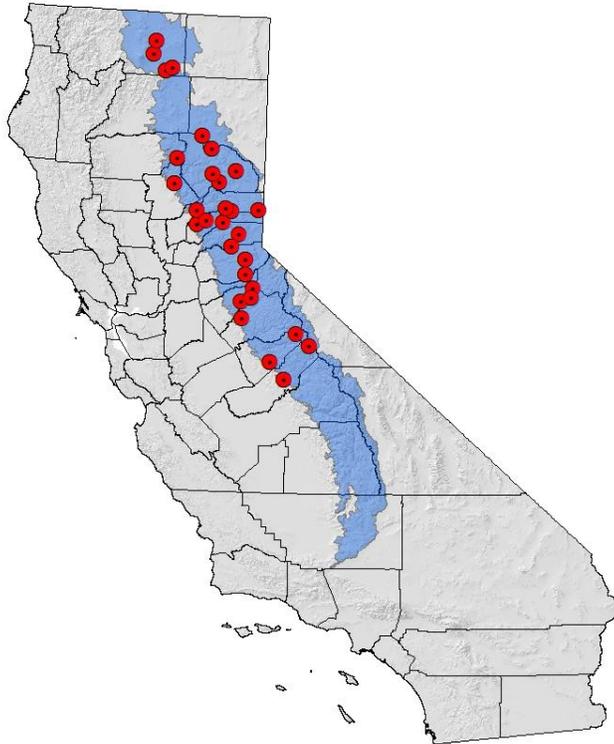
\$41,257,507



Full Applications

31 proposals

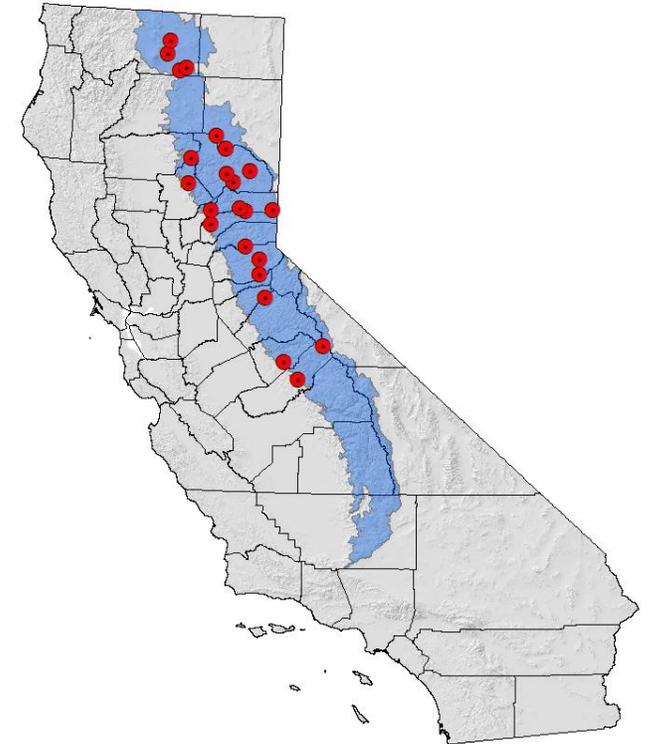
\$32,318,802

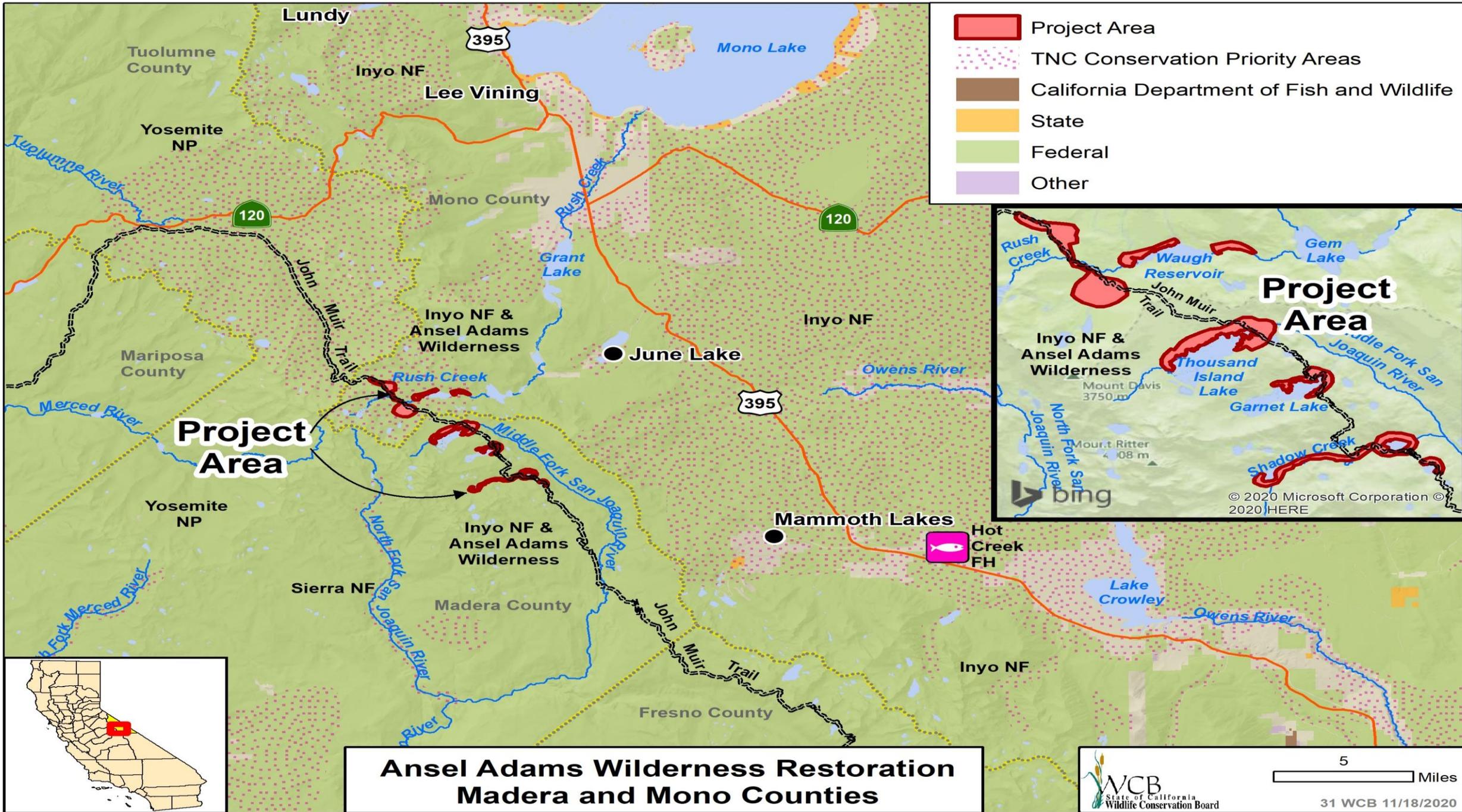


Selected Proposals

23 proposals

\$25,333,526





**Ansel Adams Wilderness Restoration
Madera and Mono Counties**

31. Ansel Adams Wilderness Restoration

Slide 1

- Stream crossing where the large stepping-stone boulders were swept away. Rangers in the field put together a temporary crossing which is in need of a more durable and safe solution.





31. Ansel Adams Wilderness Restoration

Slide 2

- Meadow to the west side of Ediza Lake, another popular and heavily-used camping area. Campsites next to the lake banks have proliferated such that meadow function is degrading.





31. Ansel Adams Wilderness Restoration

Slide 5

- Campsites built directly adjacent to lakes and streams in violation of the required distance of a minimum 100 feet from water sources.

31. Ansel Adams Wilderness Restoration

Slide 6

Impacted by braided trails as well
as illegal campsites



32. Chicago Valley

This item has been withdrawn from consideration at this time.

33. Ventura River Parkway

This item has been withdrawn from consideration at this time.



Meeting Adjourned. Stay Safe and Healthy, Enjoy Your Day!