



Wildfire Mitigation Advisory Committee Meeting

September 19, 2023

CAL FIRE -
Office of the State Fire Marshal





Call to Order

Welcome!

- ▶ If you have technical difficulties during this meeting, please contact Kara Garrett at:
 - (916) 201-5539 or Kara.Garrett@fire.ca.gov



Roll Call / Quorum Established

- ▶ Acting State Fire Marshal
 - **Daniel Berlant**

- ▶ Department of Forestry and Fire Protection
 - **Mike Parkes**

- ▶ Department of Conservation
 - **Keali'i Bright**

- ▶ Office of Energy Infrastructure Safety
 - **Caroline Thomas Jacobs**

- ▶ State Board of Forestry and Fire Protection
 - **J. Lopez**

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Roll Call / Quorum Established

- ▶ Governor's Office of Emergency Services
 - **Ryan Buras or Robert Troy**

- ▶ California Department of Insurance
 - **Mike Peterson**

- ▶ Governor's Office of Planning and Research
 - **Neil Matouka**

- ▶ California Fire Safe Council
 - **Jacy Hyde**

- ▶ Insurance Institute for Business & Home Safety
 - **Roy Wright**

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Roll Call / Quorum Established

- ▶ California Fire Chiefs Association
 - Dave Winnacker or Todd Lando

- ▶ California Building Industry Association
 - Christopher E. Ochoa or Nick Cammarota

- ▶ University of California Cooperative Extension
 - Lenya N. Quinn-Davidson

- ▶ California Fire Science Consortium
 - Yana Valachovic

- ▶ Department of Housing and Community Development
 - Maziar Movassaghi or Clay Kerchof

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Roll Call / Quorum Established

- ▶ Rural County Representatives of California
 - **Staci Heaton**

- ▶ California Association of Resource Conservation Districts
 - **Sophia Lemmo**

- ▶ League of California Cities
 - **Sean McGlynn**

- ▶ California State Association of Counties
 - **Catherine Freeman**

- ▶ A representative from tribal government
 - **Don Hankins**



Approval of Past Meeting Minutes Motion Required

- ▶ Scan the QR Code Below to Access the Complete Meeting Minutes Document!



WILDFIRE MITIGATION ADVISORY COMMITTEE MEETING *Meeting Minutes – Tuesday, August 15, 2023* *Posted: September 8, 2023*



Committee Members Present

Daniel Berlant, CAL FIRE – Office of the State Fire Marshal
Mike Parkes, Department of Forestry and Fire Protection
Caroline Thomas Jacobs, Office of Energy Infrastructure Safety
J. Lopez, State Board of Forestry and Fire Protection
Robert Troy, California Office of Emergency Services
Michael Peterson, California Department of Insurance (Virtual)
Michal Maquire, Office of Planning and Research
Jacy Hyde, California Fire Safe Council
Roy Wright, Insurance Institute for Business & Home Safety (Virtual)
Dave Winnacker, California Fire Chiefs Association (Virtual)
Nick Cammarota, Representative from the Building Industry
Lenya N. Quinn-Davidson, University of California Cooperative Extension (Virtual)
Yana Valachovic, California Fire Science Consortium
Clay Kerchof, Department of Housing and Community Development (Virtual)
Sophia Lemmo, California Association of Resource Conservation Districts (Virtual)
Sean McGlynn, League of California Cities
Catherine Freeman, California State Association of Counties
Don Hankins, Professor, CSU Chico (Virtual)

Members Absent

Keali'i Bright, Department of Conservation
Staci Heaton, Rural County Representatives of California

CAL FIRE Staff in Attendance

Frank Bigelow, Assistant Deputy Director
Matt Damon, Staff Chief
Jim McDougald, Staff Chief
John Morgan, Deputy Chief
Dennis O'Neil, Assistant Chief
Carmel Barnhart, Deputy Chief (Virtual)
Jeff Fuentes, Division Chief
Rudy Baltazar, Division Chief (Virtual)
Steven Hawks, Retired Annuitant (Virtual)
Mark Rosenberg, Research Data Manager (Virtual)
Josh Baker, Battalion Chief (Virtual)
Bryan Carter, Battalion Chief (Virtual)
Randy Northup, Battalion Chief (Virtual)
Anthony Massucco, Battalion Chief (Virtual)
Jeff Hakala, Division Chief (Virtual)
Justine Grafton, Associate Governmental Program Analyst (Virtual)
Jamie Sammut, Senior Staff Counsel (Virtual)
Josh Mott, Information Officer (Virtual)
Kara Garrett, Associate Governmental Program Analyst



Approval of Meeting Agenda Motion Required

- ▶ Scan the QR Code Below to Access the Complete Meeting Agenda Document!



WILDFIRE MITIGATION ADVISORY COMMITTEE MEETING

Meeting Agenda – Tuesday, September 19, 2023, 1:00 PM – 3:00 PM

Posted: September 8, 2023



Location:

Accredited Regional Training Program (ARTP) Academy Classroom
2409 Dean St, McClellan Park, CA 95652

Zoom Meeting Information –

Please click the link below to join the webinar:

<https://us06web.zoom.us/j/85192423489?pwd=dnZYaUhXVFliUTFmT21nMzJYYVlxQT09>

Passcode: 462073

Virtual Attendee Information –

- Staci Heaton, Rural County Representatives of California
 - Executive Board Room, Portola Hotel & Spa at Monterey Bay
Two Portola Plaza, Monterey, CA 93940
- Catherine Freeman, California State Association of Counties
 - Executive Board Room, Portola Hotel & Spa at Monterey Bay
Two Portola Plaza, Monterey, CA 93940

1. CALL TO ORDER

- A. Welcome
- B. Roll Call/Quorum Established
- C. Approval of Past Meeting Minutes (Motion Required)
- D. Agenda Review (Motion Required)

2. OLD BUSINESS

- A. Division Report
- B. California Wildfire Mitigation Program (CWMP) Report
- C. Board of Forestry Update

3. NEW BUSINESS

- A. Risk Modeling Work Group – Review of the Risk Modeling Approved Paper
- B. Indigenous Stewardship Network – Cultural Burning
- C. Marin Wildfire Prevention Authority – Overview of the Marin Wildfire Prevention Authority

4. ROUNDTABLE

5. PUBLIC COMMENT

6. UPCOMING MEETING DATES FOR 2023

- A. Third Tuesday of each month starting at 1 PM and ending at 3 PM.
 - a. October 17, 2023
 - i. CNRA Building, 715 P Street, 2nd Floor Conference Room 2-302 (A-B),
Sacramento, CA 95814





Community Wildfire Preparedness and Mitigation Division Report



Wildfire Preparedness

Defensible Space

- ▶ Statewide SRA Total:
 - ▶ 70,049 inspections, 28% of the goal (250,000)

Home Hardening

- ▶ Completed the virtual classroom portion of our Defensible Space Assessor training for the Siskiyou Resource Conservation District for the West Mount Shasta Project. The training field day was held on Wednesday, September 6th.



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Wildfire Preparedness

Home Hardening

- ▶ Presenting a Home Hardening presentation at the Ventura Regional Firewise USA Workshop on August 17th.
- ▶ Shasta County Fire Safe Council was awarded a \$9,302,134.99 grant on 8/31/2023 to create defensible space and harden 144 homes in Whitmore. FEMA provided \$6,976,601.24 and the state provided \$2,325,533.75.



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Wildfire Preparedness

Home Hardening

- ▶ San Diego County was awarded a \$12,688,600.00 grant on 8/31/2023 to create defensible space and harden 229 homes in Dulzura. FEMA provided \$9,516,450.00 and the state provided \$3,172,150.00.



Wildfire Preparedness

Utility Wildfire Mitigation Program

- ▶ Conducted Powerline Fire Prevention training (PRC4292 and PRC4293) in Amador-El Dorado Unit on August 8th.
- ▶ Consultation to Office of Energy Infrastructure Safety (OEIS) on WMP review continues.



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Wildfire Planning and Statistics

Fire Prevention Efforts FY 23/24

- ▶ Fuel Reduction Projects:
 - 163 projects, 32.6% of the goal
- ▶ Combined Fuel Reduction:
 - 4,848 acres treated, 4.8% of the goal
 - Unit Projects - 2,541.6 acres
 - Northern Region: 1,815 acres
 - Southern Region: 726.6 acres
 - CFIP Projects: 2,123.4 acres
- ▶ Prescribed Fire (also counted in fuel reduction):
 - 1,345.9 acres treated, 2.7% of the goal

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Wildfire Planning and Statistics

CalStats

- ▶ **Coding Lithium-ion Battery Related Fires:**
 - ▶ Incorporated new plus-one codes into both eNFIRS and CALFIRS to enhance the tracking of Lithium-ion battery related fires.
 - ▶ The newly introduced battery subcategories have been integrated into the Wildland Module within CALFIRS.
 - ▶ The Validation Rule has been in effect since August 25, 2023.

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Wildfire Planning and Statistics

Pre-Fire Planning (Fire Plan)

- ▶ Unit Fire Plans are now posted on the Public Website: [Fire Plan \(ca.gov\)](https://www.fire.ca.gov)
- ▶ Development of Fuels Treatment Effectiveness Reporting tool





CREEK FIRE

Fuel Break Utilization

Fire Year 2023



THE CREEK FIRE

The Creek Fire started on July 25, 2023 on the northbound side of Interstate 5 near the Hooker Creek Road exit in Tehama County. The fire spread quickly along the steep verge on the side of Interstate 5 before forward progress was stopped by the Interstate 5 North Red Bluff Fuel Treatment. Due to the aggressive suppression efforts and the history of ongoing fuel treatments dating back to 2011, the 1.3 acre fire was fully contained on July 25, 2023.



Figure 1. The treatment area clearly acted as a fuel break between the fire and surrounding vegetation.



EFFECTIVENESS OF THE I-5 NORTH RED BLUFF FUEL TREATMENT

Work on this cooperative project with CALTRANS spans from May 2011 to the most recent treatment on June 30, 2023. The treatment area consists of a handline fuel break, which is designed to prevent the spread of fire to the east.

During the Creek Fire, this project acted to completely contain the fire between Interstate 5 and the fuel break 100 feet to the east (see fig. 1). This prevented the fire from spreading further to the east into residential and commercial areas. This effectively stopped the head of the fire, creating a slower expanding fire along Interstate 5, allowing firefighters to use the fuel break and freeway to contain the fire. The fire only started to expand slowly parallel to Interstate 5 when the faster moving head of the fire was contained by the fuel break. Without the fuel break, fire had potential of 10-20 acres which would have burned into residential and commercial properties valued at \$4,000,000.



LESSONS LEARNED

The Creek Fire is a good example of the effectiveness of cooperative fuels management along major roadways. At peak, this section of Interstate 5 sees 50,000 vehicles per day with high winds and dry conditions being normal for large parts of the year. This combination of factors means that there is a strong potential for fires starting and spreading from the roadway.



Figure 2. This fuel management project is located 12 miles north of Red Bluff and is a cooperative project with CALTRANS.

This fuel management project not only helped to slow the spread of the Creek Fire, it also allowed firefighting personnel greater access to suppress the fire along the edge of the roadway. Projects such as this one will continue to keep fires stemming from roadways from spreading rapidly to neighboring land, safeguarding life and property in the proximity to major highways.

Community Wildfire Mitigation Assistance

Firewise



- ▶ Currently **715** communities in good standing.
- ▶ Several new applications each week in the process.
- ▶ Participate in statewide workshops /community events
- ▶ Continued efforts working with NFPA Firewise on new mapping project.

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Community Wildfire Mitigation Assistance

Subdivision Review (SDR)

- ▶ Fire Safety Surveys:
 - ▶ Identify communities with only one means of egress
 - ▶ Surveys completed in City of Poway and Yuba County
 - ▶ Monterey County next scheduled area
 - ▶ El Dorado County established a committee to determine how they can help in the implementation of the recommendations for surveys done in the county. First Unit/county in the state to engage in this



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Community Wildfire Mitigation Assistance

Land Use Planning (LUP)

- ▶ Safety Elements / General Plans:
 - ▶ Assist in wildfire planning within the Safety Element.
 - ▶ Most recent submittals (September): City of Rialto, Thousand Oaks, Carlsbad, Piedmont, Larkspur, and Saratoga.
 - ▶ 2023 (to date): 23 Submitted to the BOF for formal review.
 - ▶ Over 18 Safety Elements in an informal review process.
 - ▶ 5-6 on average completed per month



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Community Wildfire Mitigation Assistance

Fire Safe Regulations (FSR)

- ▶ Safety Elements / General Plans:
 - ▶ Established statewide workgroup of Contract County and CALFIRE Unit staff
 - ▶ Class curriculum for training is being drafted by workgroup.
 - ▶ Beta class, TBD/TBA
 - ▶ Offer Quarterly training webinars for staff implementing the FSR



Community Wildfire Mitigation Assistance

Wildfire Prevention Grants Program

- ▶ FY 2022-23 Wildfire Prevention Grants Awarded 96 projects for \$113 million in funding.
 - ▶ 80% of the projects awarded were in low-income/disadvantaged communities.
- ▶ FY 2023-24 Wildfire Prevention Grants Solicitation is expected to open in Fall 2023.
 - ▶ For more information, please see the Wildfire Prevention Grants Webpage.
 - ▶ WP Grants is highlighting projects throughout the state monthly on the CAL FIRE Socials.



California Wildfire Mitigation Program (CWMP) Report

J Lopez



California Wildfire Mitigation Program (CWMP) Report

- Communities in Shasta and San Diego counties are working on site specific EHP.
 - Engaging with property owners and building prequalified contractor list for the development of Master Agreement.
- Community in Lake County beginning to develop Scope of Work and beginning to engage in site specific EHP.
- Community in Siskiyou County completed Home Assessment training and will be beginning assessment work in the upcoming weeks.
 - Environmental compliance through a California Vegetation Treatment Program (Cal VTP).



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California Wildfire Mitigation Program (CWMP) Report

- Communities in Tuolumne and El Dorado counties working on Phase I of their project completing environmental reviews (EHP) and other project initiation activities.
- Development and planning of one-day CWMP Board site visit to each of the six demonstration communities.



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Board of Forestry Update

J Lopez



Board of Forestry and Fire Protection (BOF&FP)

- ▶ Next Board Meeting: September 26, 27 & 28 Quincy, CA
- Field Tour:
 - Lone Rock Valley Vista Reforestation strategy & pipeline, reburn impacts, & statewide seed efforts
 - Post-Dixie Fire reforestation planning and implementation across ownership.
 - Landscape scale needs, restoring aging fire scars, and working across boundaries.

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Board of Forestry and Fire Protection (BOF&FP)

Presentation to the Board:

- CalVTP Implementation: Information and tools to help increase the pace and scale of vegetation treatment.

Management Committee:

- Discussion of Wet Areas as defined in 14 CCR § 895.1 and Restoration Activities under 913.4(e)
- Discussion of the Joint Statement on Hardwoods

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Board of Forestry and Fire Protection (BOF&FP)

Forest Practice Committee:

- “Approved Watercourse Crossings” and Other Emergency Notice Watercourse Crossing Requirements
- Vegetation and Fuels Treatment in the Watercourse and Lake Protection Zone (WLPZ)

Resource Protection Committee:

- Land Use Planning Program Update- Land Use Planning Program
 - Subdivision Review Program Update -Land Use Planning
 - Six (6) Safety Element Reviews
 - Two (2) Fire Safety Surveys





Review of the Risk Modeling Approved Paper

Jim McDougald



Review of the Risk Modeling Approved Paper



RISK MODELING ADVISORY WORKGROUP DRAFT REPORT


The Risk Modeling Advisory Workgroup was formed pursuant to Assembly Bill 642 (Chapter 375, Statutes of 2021) to act in an advisory capacity to the California Department of Forestry and Fire Protection in consultation with the State Fire Marshal and the California Insurance Commissioner on wildfire risk modeling

Risk Modeling Advisory Workgroup
September 9, 2023



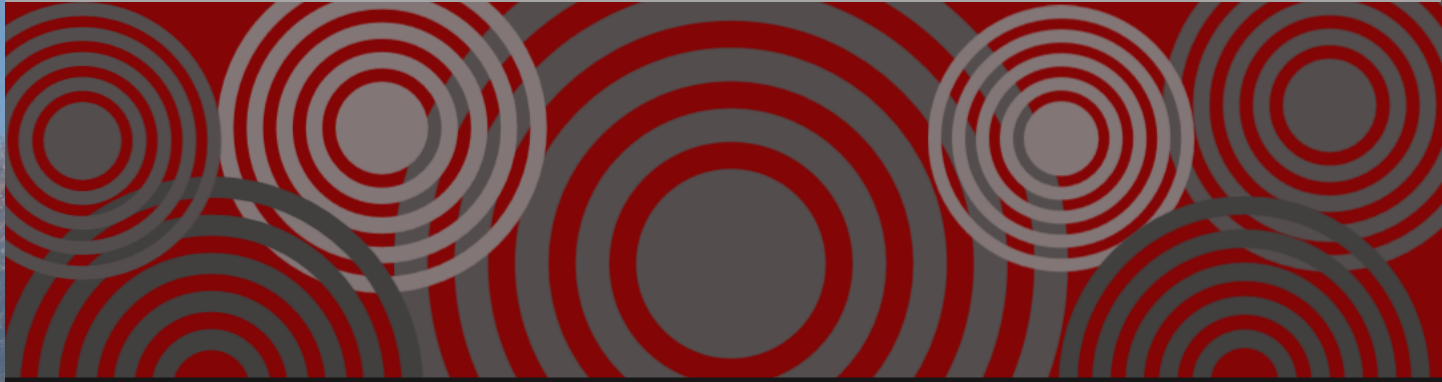
The California Department of Forestry and Fire Protection serves and safeguards the people and protects the property and resources of California.



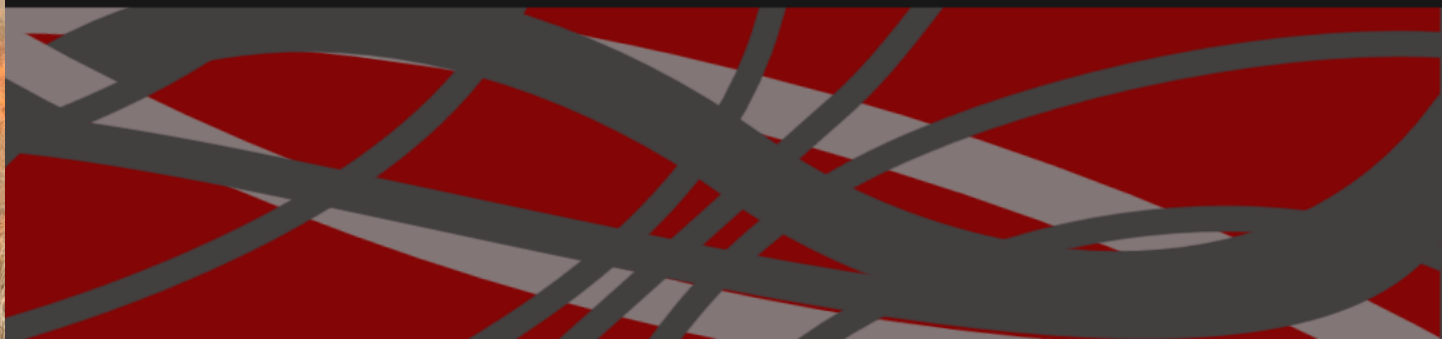


Indigenous Stewardship Network Cultural Burning






INDIGENOUS STEWARDSHIP NETWORK



Recognizing Place for Indigenous Fire



science FRIDAY

RADIO PODCASTS EDUCATE VIDEOS STORIES EVENTS Shop Donate

09/25/2020

How Indigenous Burning Practices Could Prevent Massive Wildfires

17:26 minutes

LISTEN ON SOUNDCLOUD MORE FROM THIS EPISODE

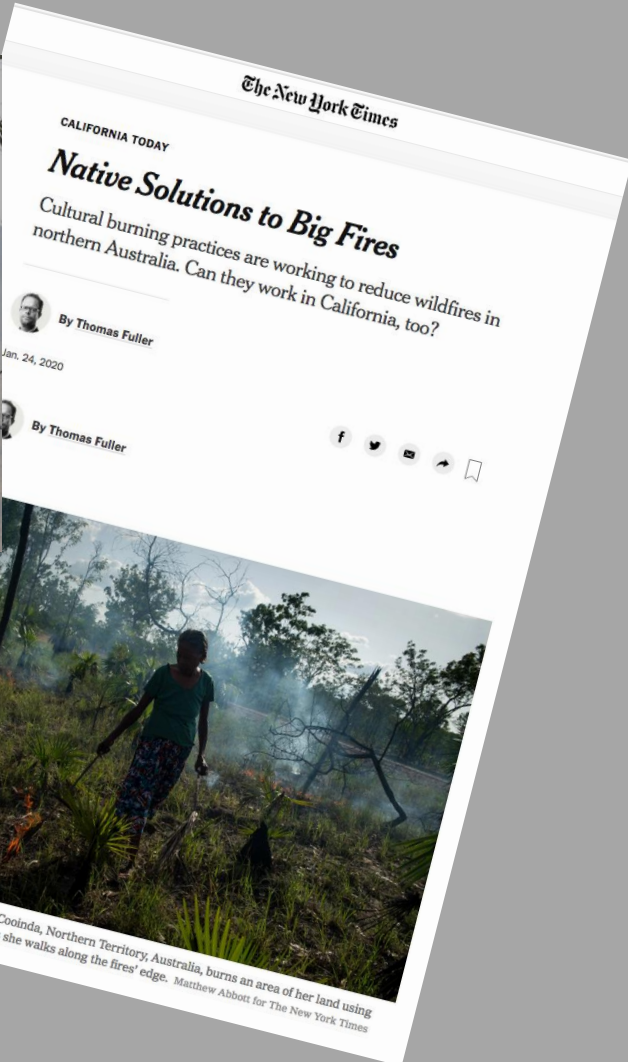


The World

California and Australia look to Indigenous land management for fire help

The Big Fix

As fires rage across the state of California, many are wondering how management could improve to reduce the risk in the future. Traditional fire management is being increasingly embraced in Australia, which could help inspire California.



The New York Times

CALIFORNIA TODAY

Native Solutions to Big Fires


Cultural burning practices are working to reduce wildfires in northern Australia. Can they work in California, too?

By Thomas Fuller

Jan. 24, 2020

By Thomas Fuller

Facebook Twitter Email Print Bookmark

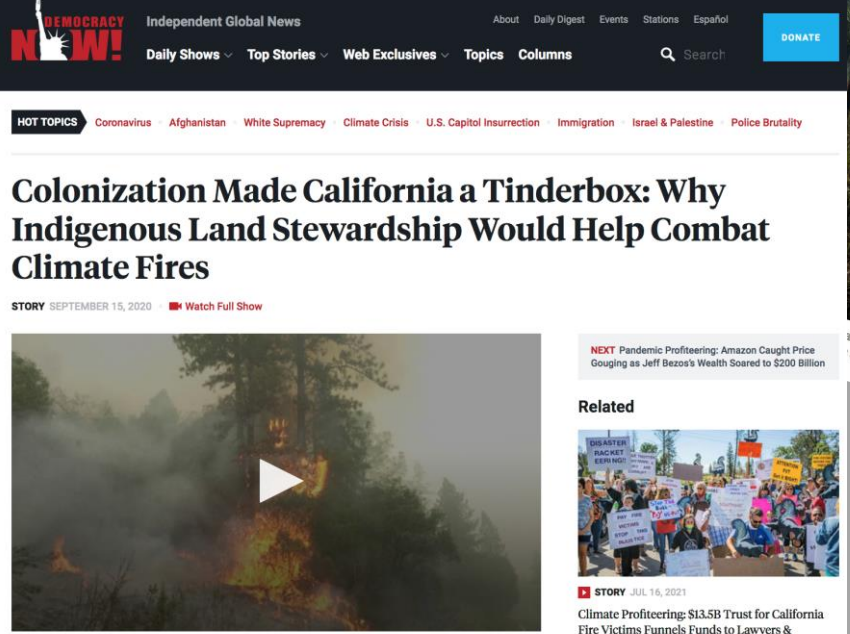


... Coinda, Northern Territory, Australia, burns an area of her land using ... as she walks along the fires' edge. Matthew Abbott for The New York Times



THE INCENDIARY TRUTH BEHIND THE WORLD'S WILDFIRE CRISIS.

BRING YOUR OWN BRIGADE



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Colonization Made California a Tinderbox: Why Indigenous Land Stewardship Would Help Combat Climate Fires

STORY SEPTEMBER 15, 2020 Watch Full Show



NEXT Pandemic Profiteering: Amazon Caught Price Gouging as Jeff Bezos's Wealth Soared to \$200 Billion

Related



STORY JUL 16, 2021

Climate Profiteering: \$13.5B Trust for California Fire Victims Funnels Funds to Lawyers & Consultants

Indigenous Fire - v - Other Fire

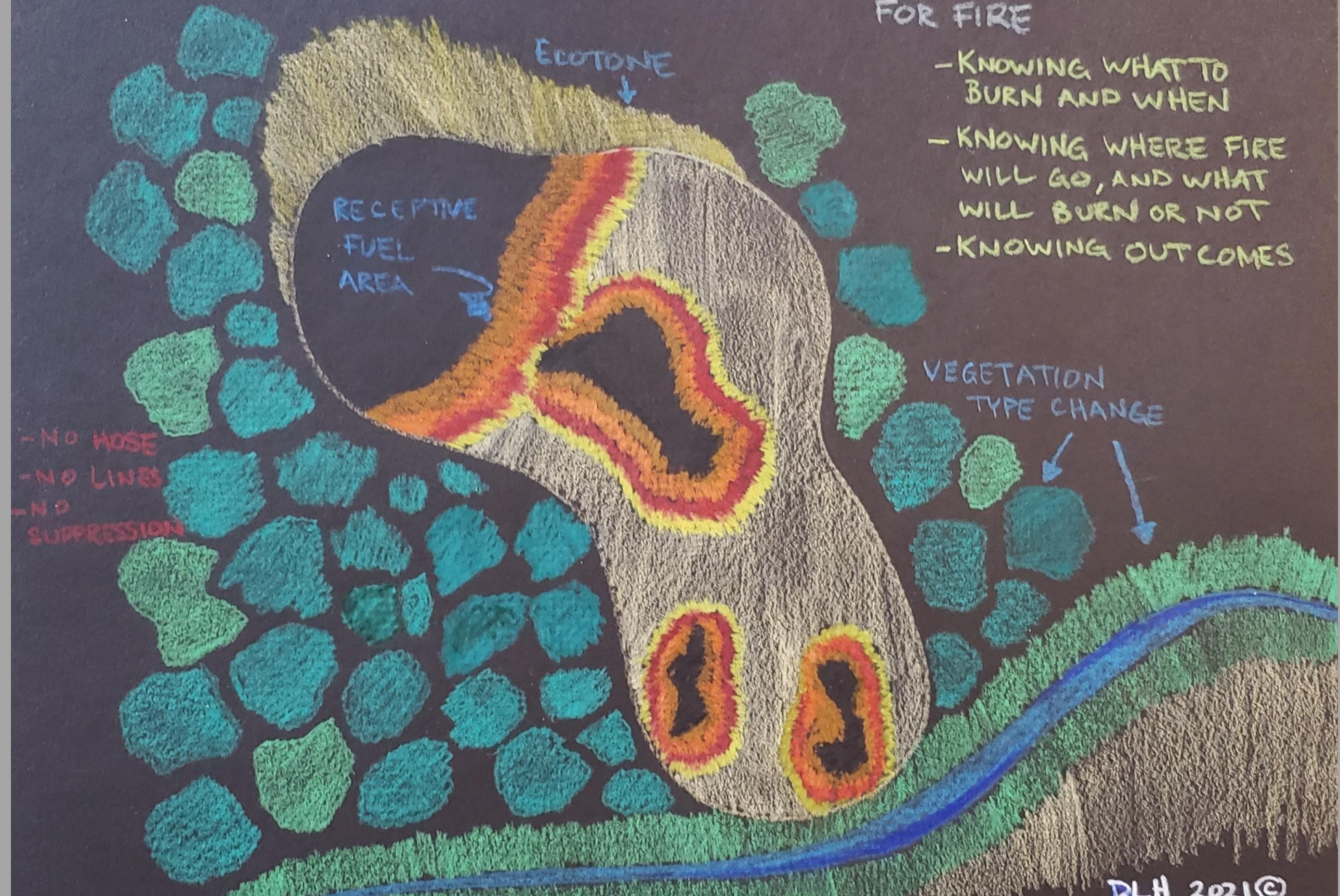


Indigenous burning practices are distinguished from other fire management (e.g., Rx or firefighting) in the context of traditional law, objectives, outcomes, and the right to burn.

- Eriksen and Hankins 2014 *Soc. & Nat. Resources*

READING THE LANDSCAPE FOR FIRE

- KNOWING WHAT TO BURN AND WHEN
- KNOWING WHERE FIRE WILL GO, AND WHAT WILL BURN OR NOT
- KNOWING OUTCOMES



- NO HOSE
- NO LINES
- NO SUPPRESSION

VEGETATION
TYPE CHANGE

*We envision a future where
Indigenous stewardship
revitalizes our cultural
traditions and landscapes.*



Outreach, Survey, and Findings

Who/How/Where

- Mostly steward by self, family, or community
- Stewardship across diverse ecosystems
- Work on diverse lands and amongst diverse partners
- Are mostly volunteering

Barriers/Issues

- Access
- Liability & Fear of Fire
- ‘Qualifications’
- Funding
- Capacity
- Racism
- ‘Invisibility’
- Policy

Future/Vision

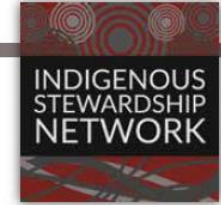
- Learning
 - Native led
 - Common places
- Working together
- Youth



B|BUSINESS PLAN 2023-2025



GUIDING PRINCIPLES



Our Decisions are Guided by Our Cultures and Belief Systems.

Our culture connects us to our families, communities and homelands.

We Honor The Past, Present and Future.

Our relationships to our ancestors and our communities and responsibility to future generations is considered in our actions.

We Will Achieve Our Purpose by Listening to All of Our Relatives.

Observing, being inclusive and listening with our hearts to animals, land, water and plants are essential to how we operate.

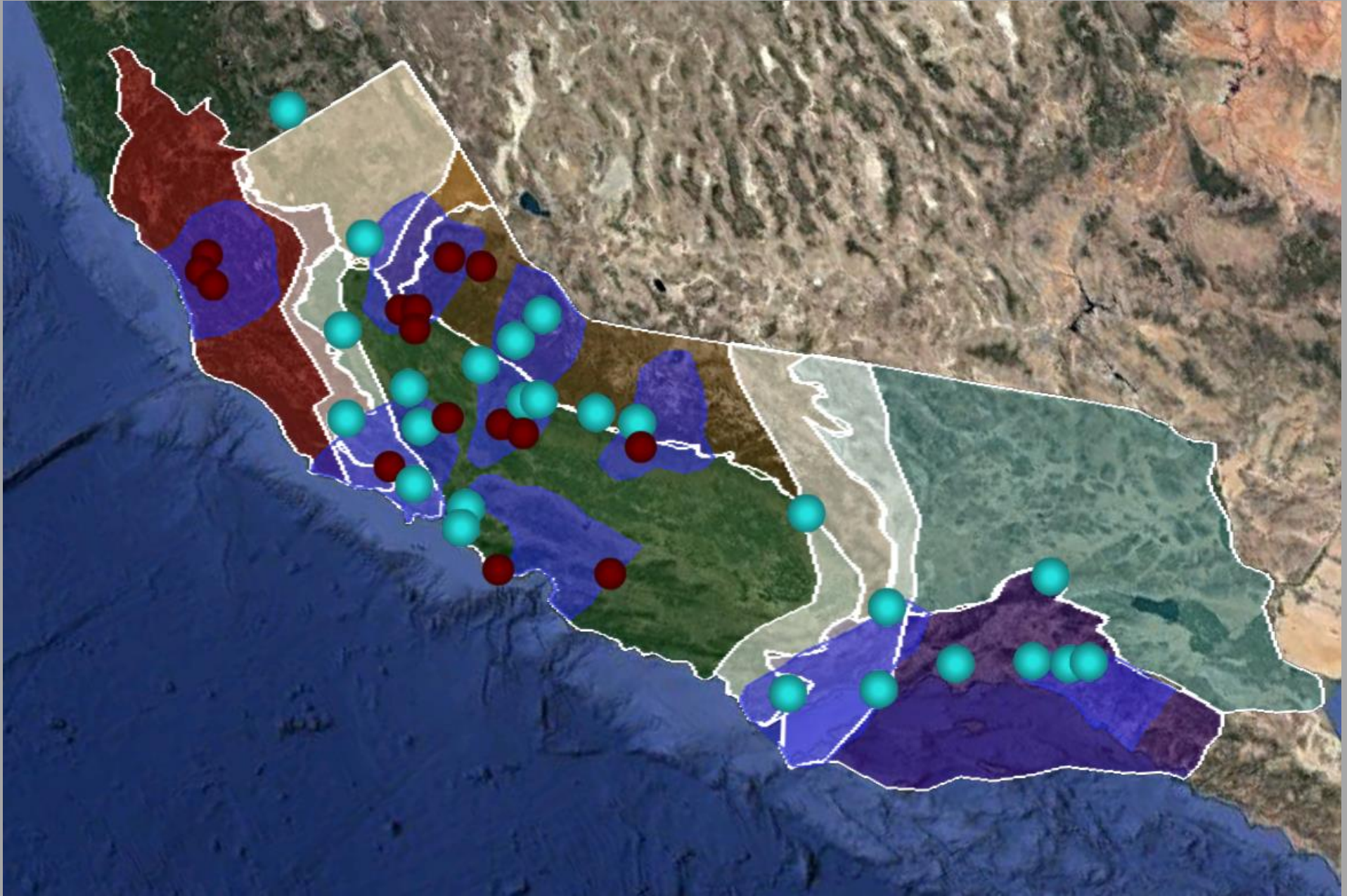
Truth, Relationships, Reciprocity and Respect are Essential To Our Success.

To be effective, we must have open, honest and critical conversations.

We Protect Indigenous Ways of Knowing and Doing.

We are committed to protecting and revitalizing Indigenous knowledge, practice and belief systems.

Synergies and Conceptual Direction



Rekindling Fire

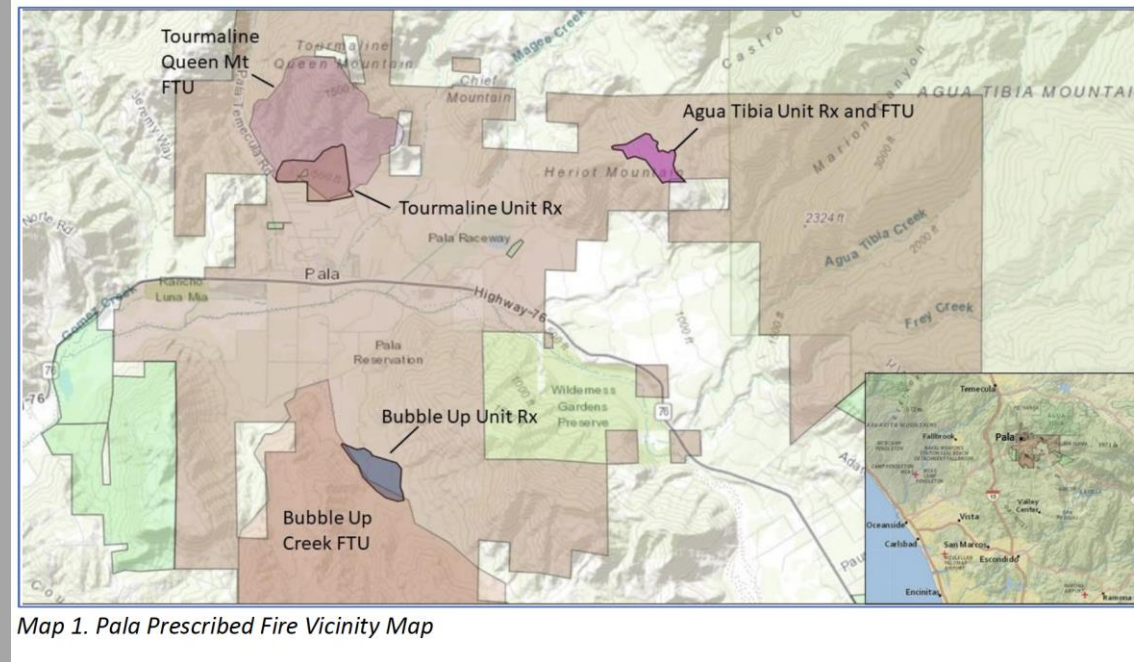
- Community Building
- Capacity Building
- Intergenerational Learning
- Planning



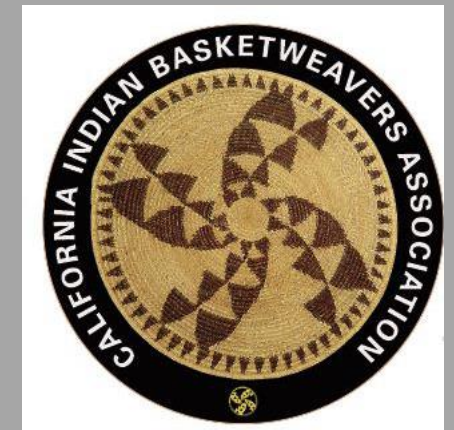
American Indian Council Mariposa



American Indian Council Mariposa



Map 1. Pala Prescribed Fire Vicinity Map

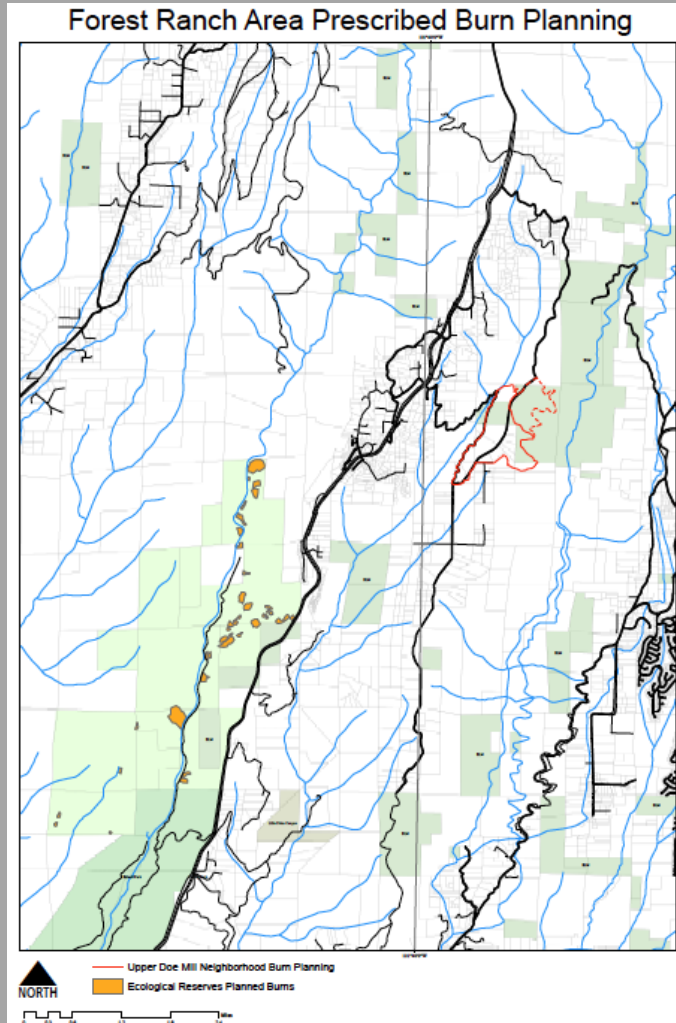


Supporting Indigenous Fire

- UNDRIP
- PL 93-638/B 10-11
- Traditional Gathering Policy
- Wildfire and Forest Resilience Action Plan
- Strategic Plan for Expanding the Use of Beneficial Fire
- USFS 10 Year Strategy
- 30x30
- CEQ – TEK Recognition as Science
- SB 332
- AB 642
- SB 926



Goal 3 The state and its partners will support and enable the expansion of cultural burning by California Native American Tribes, tribal organizations, and cultural fire practitioners across California.



Action Items:

3.1 Support Tribal Sovereignty

3.2 Invest in Cultural Burning

3.3 Include Tribes in Planning

3.4 Improve Co-Management

3.5 Support Indigenous Fire Workshops

DOE MILL & WISHINGWELL CULTURAL BURN PLAN
– SIERRA NEVADA MIXED CONIFER AND BLACK OAK
WOODLANDS

AUTHOR:

DON HANKINS, RTD20102 (RXB2)/CULTURAL BURNER

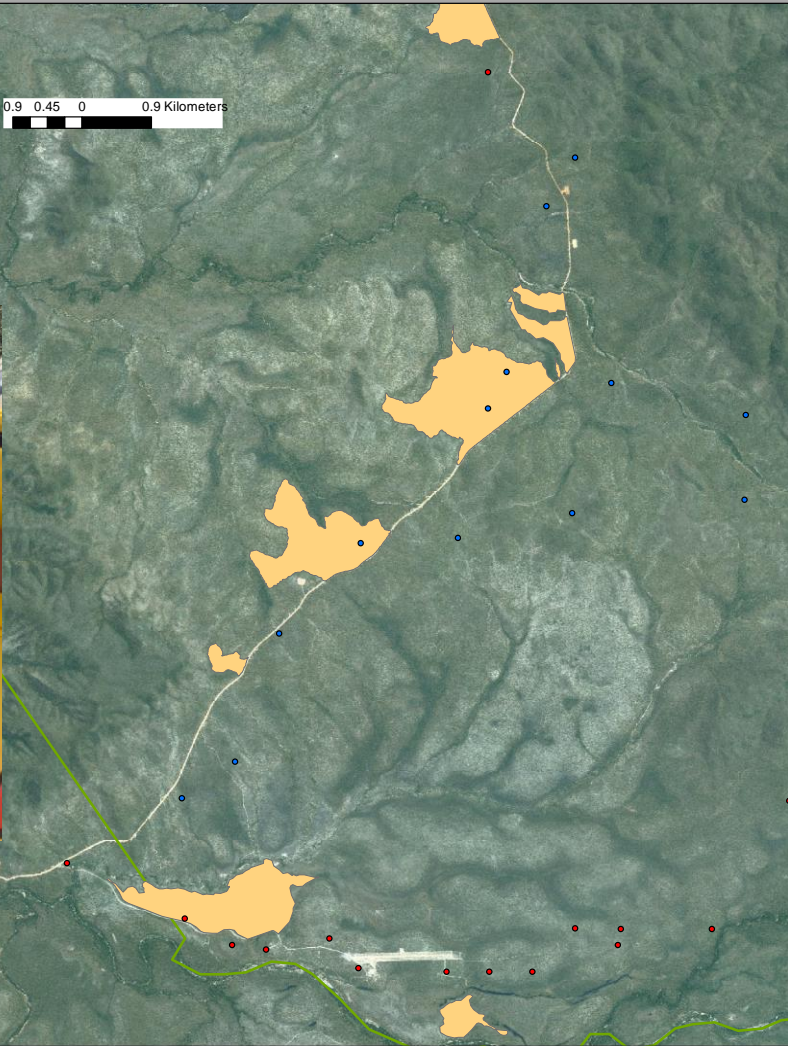
DATE: JANUARY 2022



“Cultural prescription encompasses a broad range of factors based on reading the landscape and the needs present for burning.”

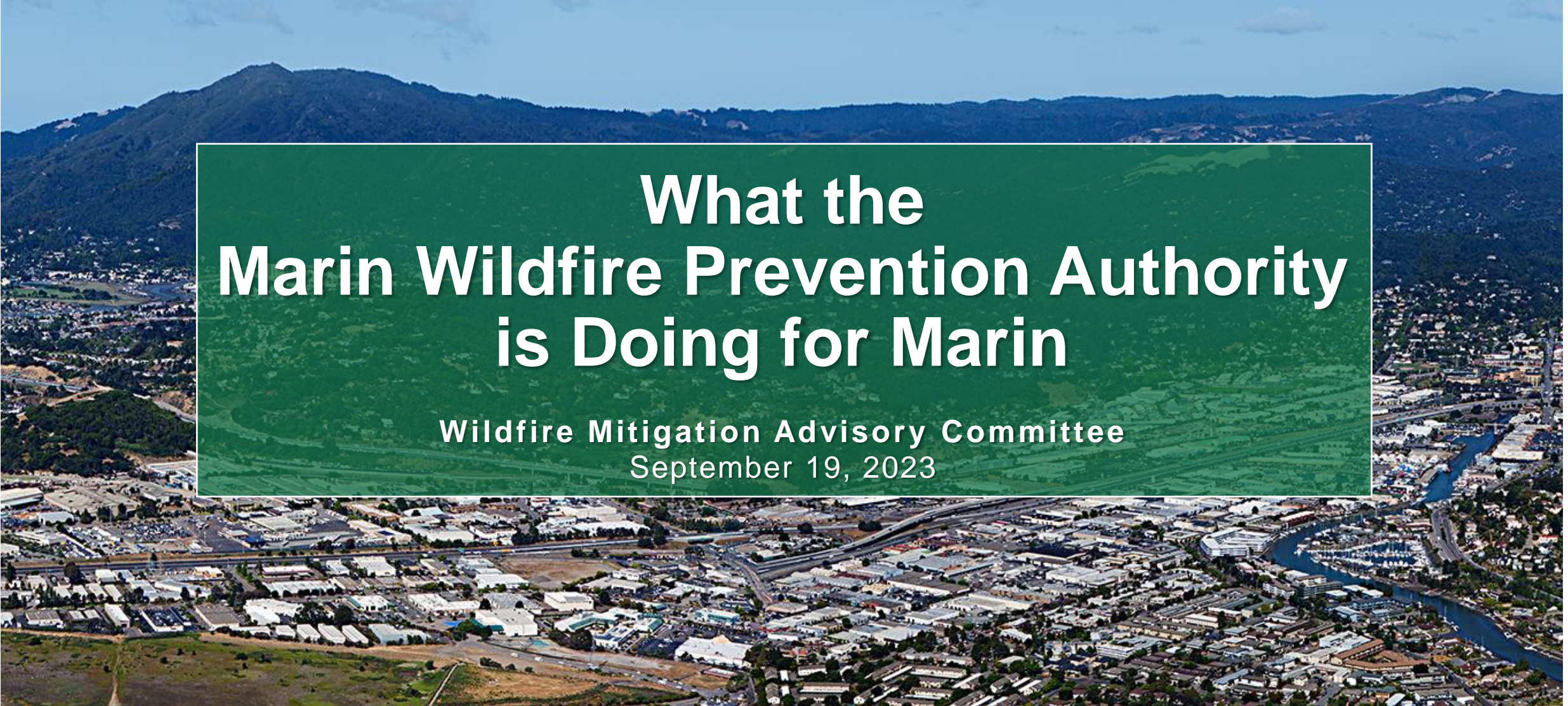
“The following sub-sections provide some rough equivalencies for the cultural prescription bounds, but are not necessarily strict bounds, and may not be assessed. Cultural indicators will be the primary guide for prescription.”

Challenges and Opportunities





dhankins@csuchico.edu
[@Pyrogeographer](#)



What the Marin Wildfire Prevention Authority is Doing for Marin

Wildfire Mitigation Advisory Committee
September 19, 2023

- **Mark Brown – Executive Officer**

Marin County – Leading the Way in Fire Prevention



- Coordination of effort across 17 jurisdictions
- Full community support
- Recognizes climate change as an accelerant and environmental resilience as a solution
- Everyone has a role to play
- Comprehensive, long-term plan





The Marin Wildfire Prevention Authority communities are informed, prepared, fire adapted, resilient and capable of withstanding a major fire limiting loss of life and major property damage while protecting our rich environmental diversity.



Reduce Wildfire Fuels

Vegetation Management and Local Wildfire Prevention Mitigation



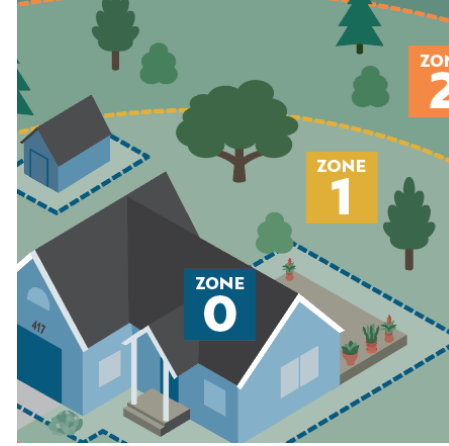
Improve Evacuation Systems

Wildfire Detection, Alert, and Evacuation Program Improvements



Reduce Risks to Homes

Defensible Space Evaluations (1/3 annually) and Home Hardening



Educate the Public

Public outreach and education about fire prevention, preparedness, and risk reduction



Provide Grants to Residents

Grants to modify homes and partnerships to collaborate and augment funds



Program Area	% of funds
JPA Core: Cross-Jurisdictional Projects Wildfire Detection & Evacuation Program Improvements, Veg Management/Fire Hazard Reduction, Grants Management, Public Education (Fire Safe Marin)	60%
Defensible Space Evaluations and Home Hardening (agencies can administer)	20%
Community-Level Wildfire Prevention Mitigation Local jurisdiction fire prevention issues with no funding. Enhanced fire patrols for problem areas, additional fire hazard reduction work, evac route parking issues	20%

2020-2030: **10-year term**
~\$20 MM revenue per year

Everyone Has a Role to Play



The Marin Wildfire Prevention Authority leads the development of fire adapted communities using sound scientific, financial, programmatic, ecological practices, vegetation management, community education, evacuation and warning systems with the support of its member and partner agencies.

Land Managers

Manage landscapes for lowered fuel loads, lower fire intensity and ecological resiliency to fire.

Marin Residents

Modify homes to be more fire resistant. Be prepared and subscribe to alerts.

Civic Leaders

Develop laws and policies in support of fire prevention, preparedness and risk reduction.

First Responders

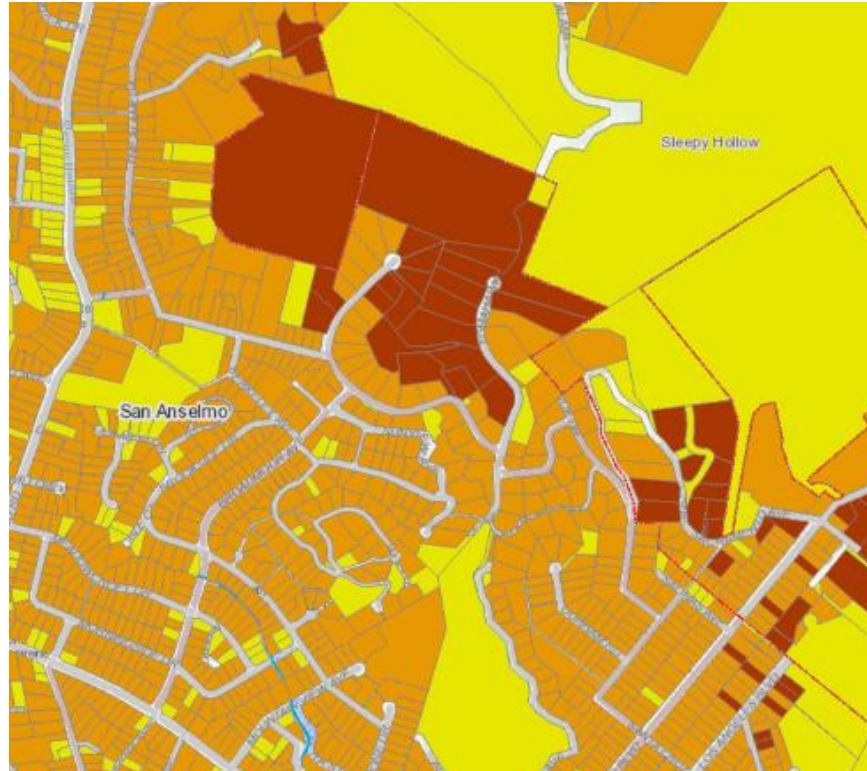
Craft fire prevention, preparedness, and emergency response plans. Educate community.

Developers & Business Owners

Don't build in high-risk areas. Build with fire-resistant materials.



Leading the Development of a Fire Adapted Marin

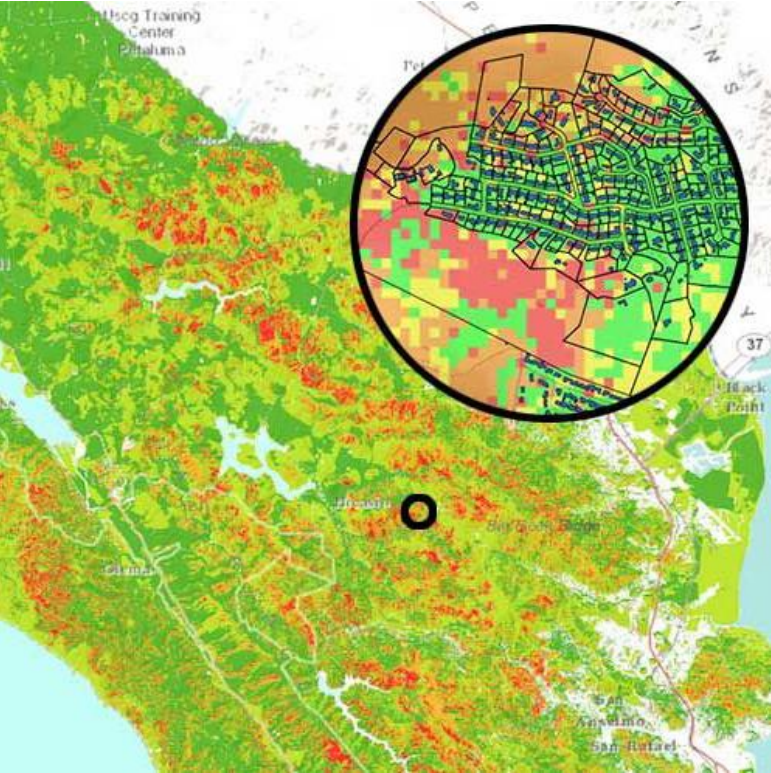


Marin County CWPP: Provides county-wide framework for MWPA's annual work plans and investments—updated annually.

- **LIDAR data:** funded by a 2019 federal grant
- Conducted a **Fire Risk Assessment for every parcel and home** in Marin
- Identifies **critical hazards & investments needed to reduce risks**



Emphasizing importance of individual homes in preventing disaster



Parcel-level data



Harden Homes



Defensible Space

Grants to help low-income residents and those with access and functional needs to get it done

Defensible Space Evaluations

- Nearly 34,000 inspections performed in 2022 (approximately 80,000 residential properties)
 - Year to date – 18,000
- 60% took action
- Direct Connect to IBHS Wildfire Prepared Home Designation
- Safer from Wildfire



Resident Grant Programs

- Defensible Space Grants:
 - Up to \$1,000 per property – no match required.
- Home Hardening Grants:
 - Up to \$5,000 per property – some items require 50% match.
- \$800K allocated for FY 23/24 & \$800K for prior, FY 22/23
- Statistics – of the 141 grants awarded this FY, we've distributed \$375K and the residents have spent \$2.9M.



MWPA Grants may be available to help ([learn more](#))

[Click here to start your application](#)

Chipper Days

- Direct link from our Defensible Space Evaluation Program
- 2022 Season:
 - 3,307 pick-ups and removal
 - 10,507 yards removed (1,051 dump trucks)
- 2023 Season –
 - All residents get 5 pick-up days
 - Year to date – 2,819 pick-ups, 9,015 yards.
 - Year to date last year – 5,778 yards.



Upcoming Chipper Events

Marin Wildfire Prevention Authority provides free “**chipper days**” for residents living in Marin’s Wildland Urban Interface areas.

[REGISTER FOR FREE PICK-UP](#)



 WEBINAR

EVACUATIONS & WARNINGS: HOW TO SURVIVE A WILDFIRE

Tuesday, August 25 @ 6pm

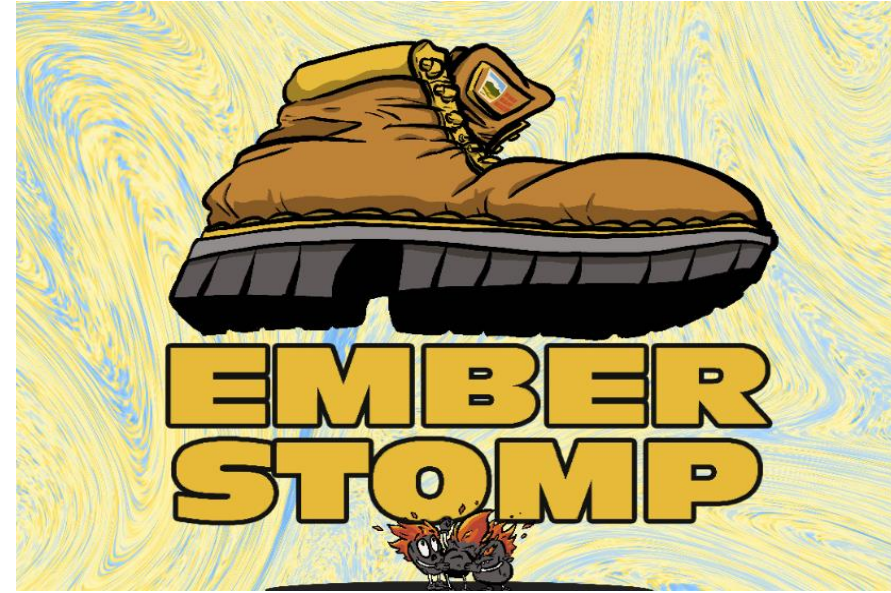
It's Time to Prepare!



**PREPARE FOR WILDFIRE
COMMUNITY WORKSHOPS**

MARIN COUNTY

**FIRE Safe
MARIN**  MARIN WILDFIRE
PREVENTION AUTHORITY



Evacuation Route Clearing



BEFORE



AFTER





Photo: Alan Dep, Marin Independent Journal
Lassen Fire, September 2021, San Rafael, California

- Ingress/egress risk assessment
- App development: Fire risk analysis to help prioritize projects
- Roadway terrain and condition
- Traffic patterns
- Number of cars
- Pinch points
- Sync traffic preemption devices (i.e., green lights in a certain direction)
- Demographics of community (such as access and functional needs)

Prescribed Herbivory



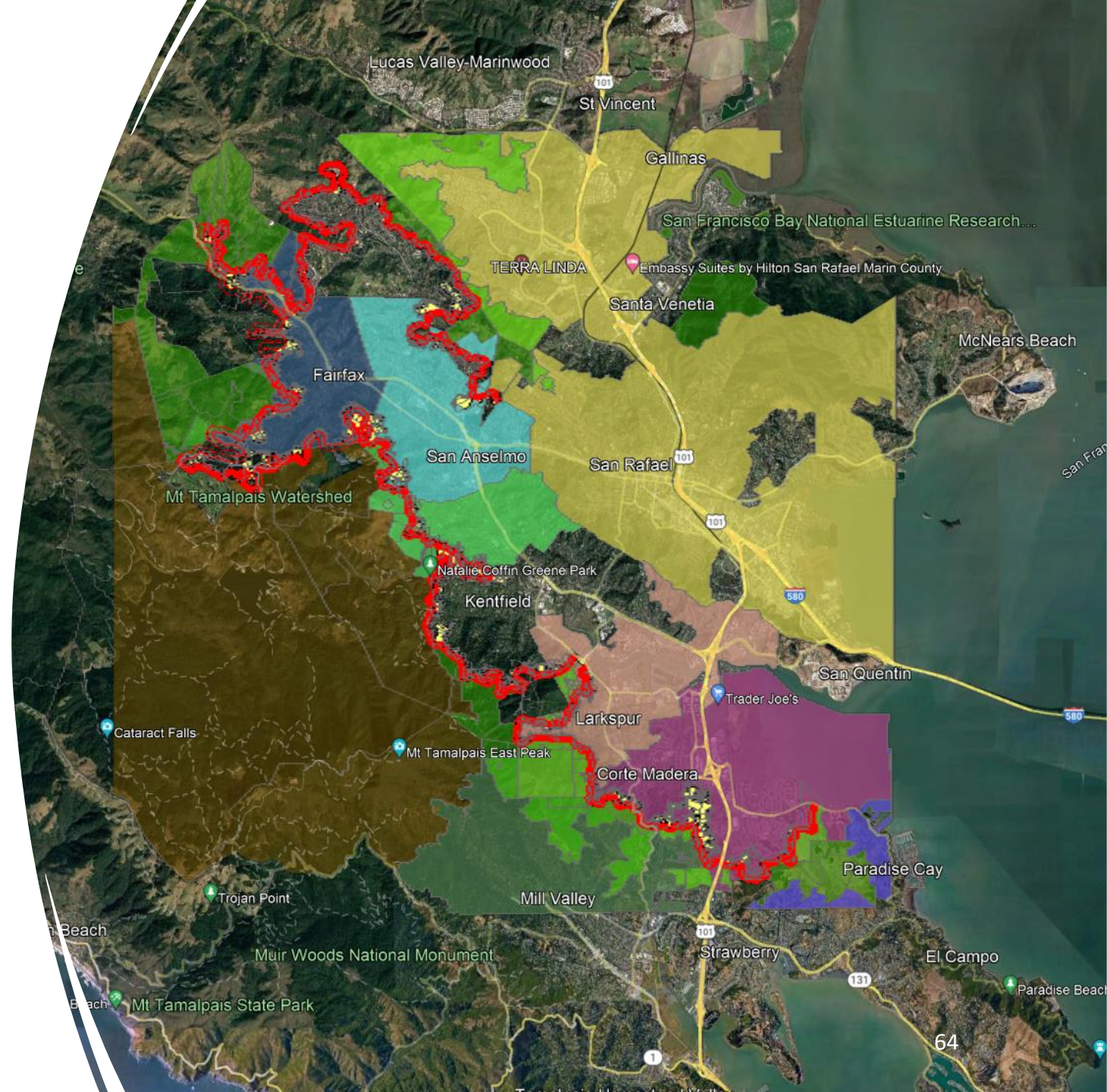
Shaded Fuel Breaks

- Shaded Fuel Breaks along the Wildland Urban Interface.
- 100'-300' Defensible Space.
- Several levels of community engagement.
- What does success look like?
- Where are we building them?
- How do we design these fuel breaks?
- How do we construct them?
- How do we maintain them?

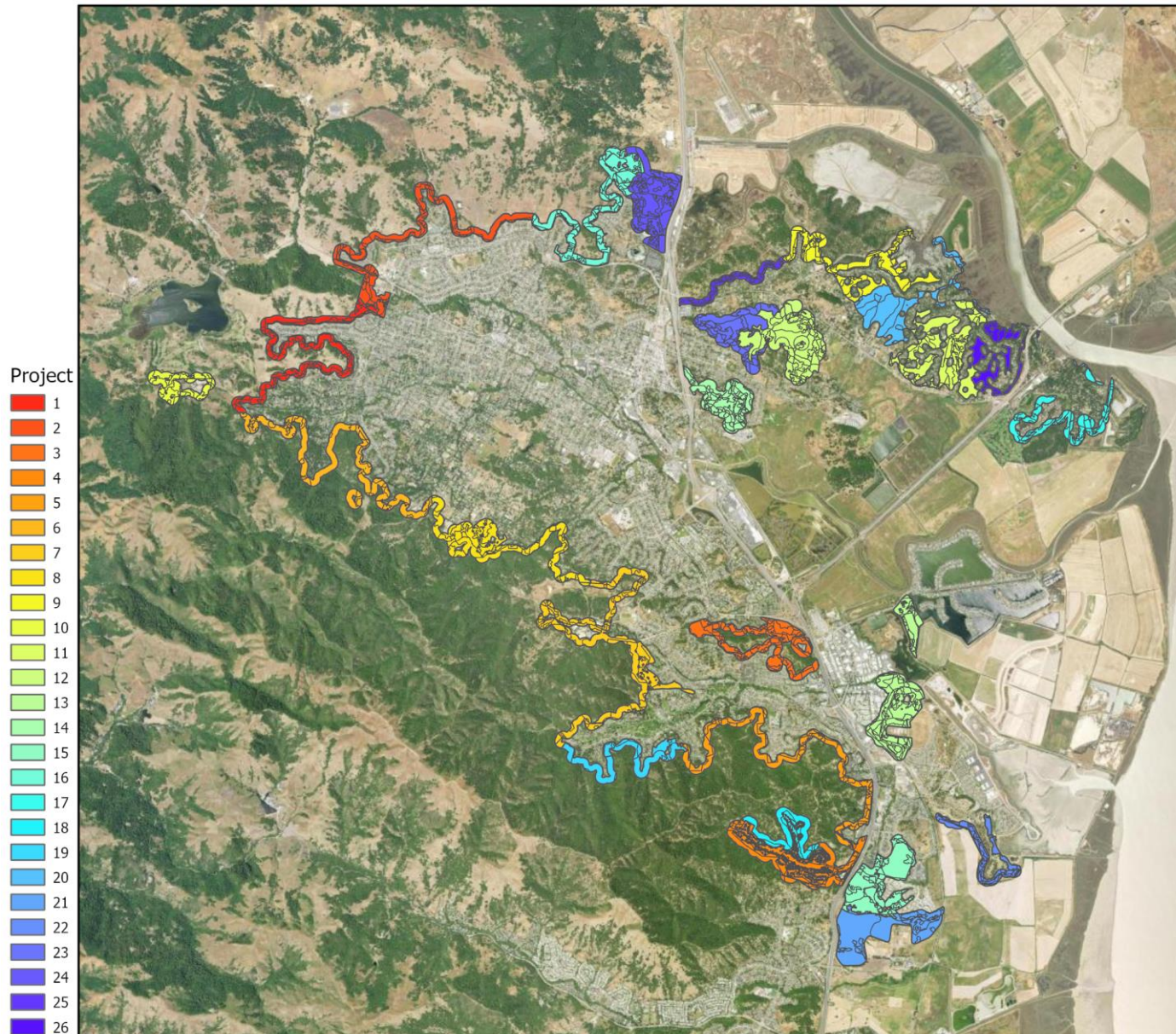


Greater Ross Valley Shaded Fuel Break

- 38 miles in the Ross Valley
- Phase 1 is completed (16 miles)



Prioritization Based on Modeling Outcome

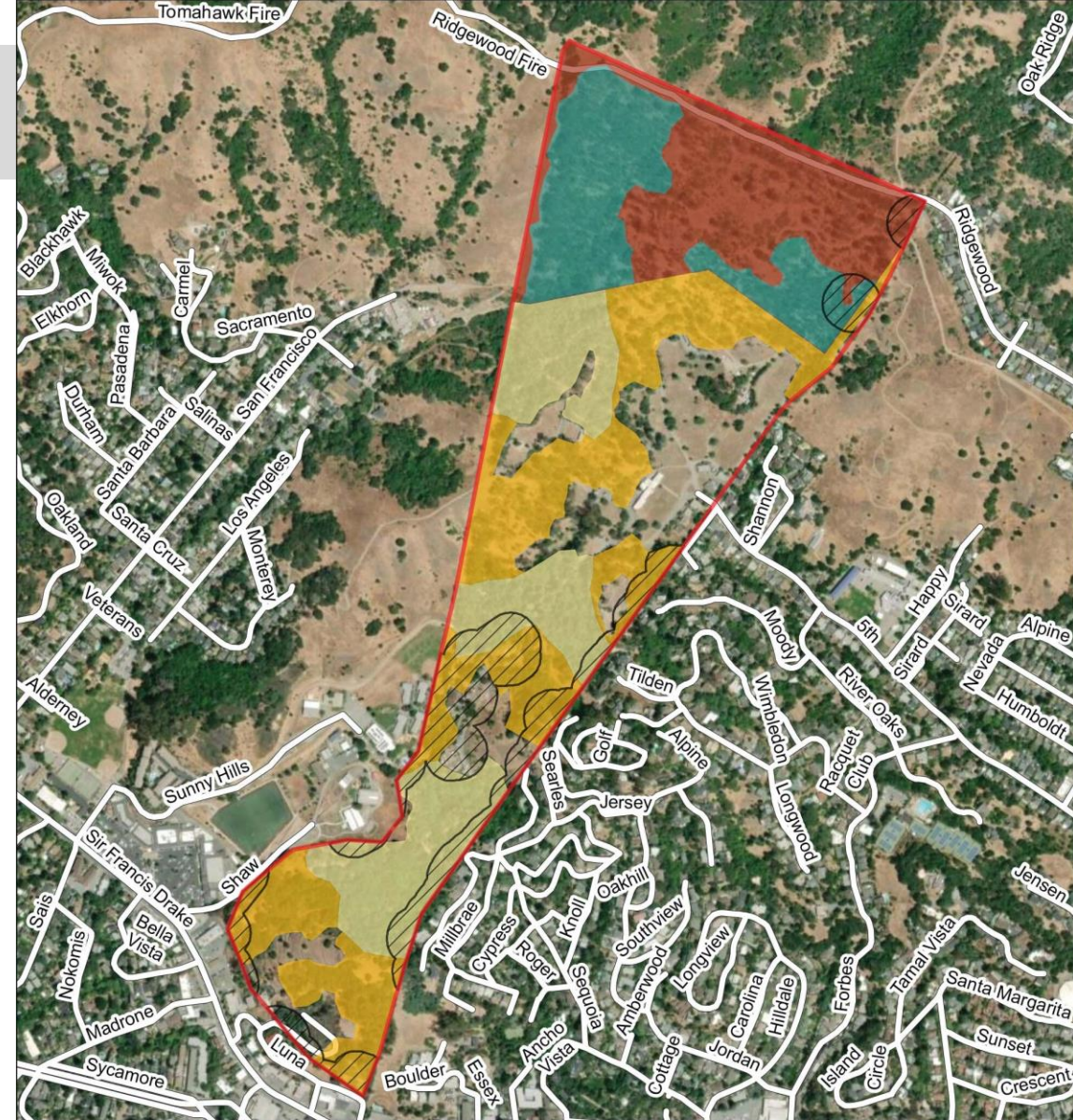


Prioritization Results

- Based on fire threat risk and community exposure
- Modeling results were reviewed for water features and vegetation types
- Prioritization is one tool to support Novato Fire District in determining where to work first. Other considerations also help determine where to begin vegetation management work.

San Rafael/San Anselmo Strategically Place Local Area Treatment

- Fire partners worked with a natural resource planning and management consultant to complete a tree inventory of the area
- Inventory was stratified into four stands:
 - Eucalyptus-dominated mixed hardwood forest (44 acres)
 - Very dense eucalyptus-dominated mixed hardwood forest (31 acres)
 - Eucalyptus high density – mostly MCOSD lands (23 acres)
 - Eucalyptus low density – mostly MCOSD lands (27 acres)
- The Project was designed based on the inventory
- Defensible space (22 acres) is based on distance to homes and mostly overlaps with the eucalyptus treatment (17 acres)



Legend

Scale = 1:11,000

San Rafael and San Anselmo Fuel Reduction project

Defensible Space

E1 - Eucalyptus-dominated mixed hardwood forest

E2 - Very dense eucalyptus-dominated mixed hardwood forest

MCOSD E1 - Eucalyptus high density

MCOSD MH - Eucalyptus low density

Road

0 500 1,000 Feet



MARIN WILDFIRE PREVENTION AUTHORITY



Questions?

Roundtable / Public Comment

- ▶ Roundtable
- ▶ Topic Suggestions for Next Meetings
 - <https://forms.gle/Wefg6YnrnUGYS8ua9>
- ▶ Public Comment



Next Meeting Information

October 17, 2023

**CNRA Building, 715 P Street, 2nd Floor
Conference Room 2-302 (A-B)**

Sacramento, CA 95814

- **National Institute of Standards and Technology (NIST):**
 - **Presentation on Hazard Mitigation Methodology (HMM) and Sheds - Structure Specification Distance**



Meeting Adjournment (Motion Required)

- ▶ Copies of the written materials have been posted on the Office of the State Fire Marshal web site at <https://osfm.fire.ca.gov/>.
- ▶ For information concerning the Advisory Committee Meeting, please contact Kara Garrett at (916) 201-5539 or Kara.Garrett@fire.ca.gov.
- ▶ NOTE: Items designated for information are appropriate for committee action if the committee chooses to act. The agenda order is tentative and subject to change. Agenda items may be taken out of order to facilitate the effective transaction of business. The Committee may not discuss or act on any matter raised during the public forum period, except to decide whether to place the matter on the notice and agenda of a future committee meeting.

