



# Sierra RCD

*Eastern Fresno County: We envision healthy forestry conditions with active management that employs people, supports recreation, is ownership-based, and relies on effective private, state, and federal partnerships. **Stewardship - Innovation - Responsibility***

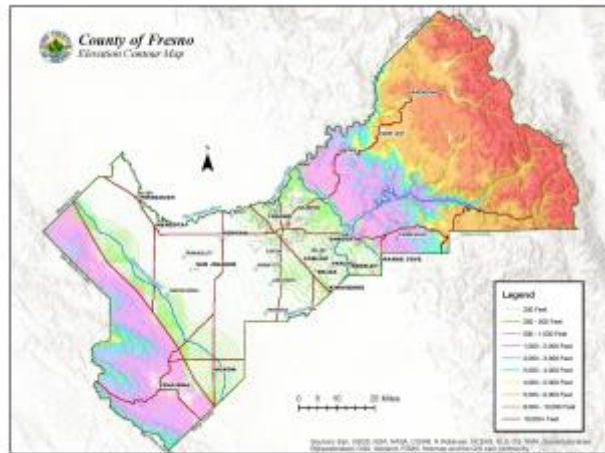
## Staff and Partners

Steve Haze, Kelly Kucharski, Ian Ashby, Chelsea Hutchens, Susana Ward, Elizet Gomez





## Eastern Fresno County



HWY 168 Fire Safe Council

HWY 180 Oak To Timberline Fire Safe Council





## Goals and Accomplishments

**Forestry Recap by the Numbers – Year 2021** *Post Creek Fire (HWY168) and Kings-Sequoia Gateway Communities (HWY180) Prevention Programs*

Highway 168 – CFSC & CAL FIRE	Highway 180 - CFSC
Six (6) Paid Contracting Jobs	Six (6) Paid Contracting Jobs
Fifteen (15) Community Workdays	Five (5) Community Workdays
Sixteen (16) Fire Risk Evaluations (FREs) Conducted	Sixty-Eight (68) FREs Conducted
175 Acres of FREs Conducted	1,551 Acres of FREs Conducted
289 Acres of Post-Creek Fire Fuels Reduction & Storm Readiness performed	
<b>124 Acres of Fuels Reduction Treatments (Contracts/Workday) Totals</b>	
<b>Four (4) New Forestry Team Members</b>	
<b>No Major Catastrophes</b>	
<b>Zero (0) Major Safety Incidents</b>	
<b>One (1) Fantastic Year!</b>	

## Fire Risk Evaluations (FREs)

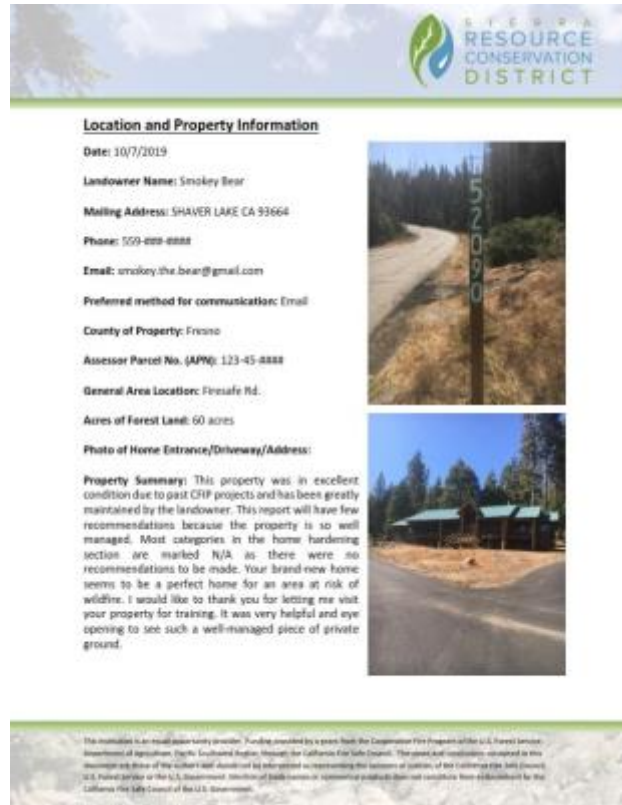
Voluntary outreach and education evaluations completed by Sierra RCD staff that cover:

1. Fire prevention- Home Hardening, Defensible Space, Forest Stewardship,
2. Post-fire restoration/recovery, and
3. Workplan recommendations.



Informed and Reviewed by *CAL FIRE*, *US Forest Service*, *Southern California Edison*, *National Resources Conservation Service (NRCS)*, the *University of California Cooperative Extension (UCCE)*, and the *San Joaquin Valley Regional Water Quality Control Board*.

Modeled after Colorado's Wildfire Partners Program



**Sierra RESOURCE CONSERVATION DISTRICT**

**Location and Property Information**

Date: 10/7/2019

Landowner Name: Smokey Bear

Mailing Address: SHAVER LAKE CA 93664

Phone: 559-899-8888

Email: smokey.the.bear@gmail.com

Preferred method for communication: Email

County of Property: Fresno

Assessor Parcel No. (APN): 123-45-8888

General Area Location: Firesafe Rd.

Acres of Forest Land: 60 acres

Photo of Home Entrance/Driveway/Address:

**Property Summary:** This property was in excellent condition due to past CFIP projects and has been greatly maintained by the landowner. This report will have few recommendations because the property is so well managed. Most categories in the home hardening section are marked N/A as there were no recommendations to be made. Your brand new home seems to be a perfect home for an area at risk of wildfire. I would like to thank you for letting me visit your property for training. It was very helpful and eye opening to see such a well-managed piece of private ground.

This material is an initial advisory product. Funding provided by a grant from the Cooperative Fire Program of the U.S. Forest Service, Department of Agriculture, Pacific Southwest Region, Region for California Fire Safe Council. The grant and materials prepared in this document are those of the California Fire Safe Council and do not represent the position or opinion of the California Fire Safe Council, U.S. Forest Service or the U.S. Department of Agriculture. All rights reserved. No part of this publication may be reproduced without the prior written permission of the California Fire Safe Council of the U.S. Department of Agriculture.

## FRE's are the Foundation

1. **Relationships with landowners and councils**
2. **Treatments/implementation**
3. **Community Organizing- Volunteer Workdays- Drive education and outreach. – Upcoming workday Cedarbrook Team Rubicon.**
4. **Post Fire Recovery- platform and collaboration**
5. **Firewise Communities**
6. **Contracts for NRCS funding**
7. **Americorps**
8. **Attention, media, social media**
9. **Tie in with Councils or County Projects**

# Fire Prevention Workday

Mill Creek - Cedarbrook - Pinehurst

We will be removing fuels and debris to protect properties at extreme risk for wildfire.



**WHEN:** Friday - Sunday, March 25<sup>th</sup> - 27<sup>th</sup> | Work begins at 8 a.m.

**WHERE:** Cedarbrook, Pinehurst Area [further details provided upon RSVP]

**RSVP:** Mahalla LoMele, [mlomele@sierrarcdd.com](mailto:mlomele@sierrarcdd.com)  
Oak to Timberline Fire Safe Council

\*Lunch will be provided.

**SEE** a community at work and see how to become stewards to our forests, while protecting our homes and properties.

**LEARN** fuels reduction practices and learn about resources available to homeowners in fire prone areas.

**MEET** your neighbors and community partners to plan future endeavors for reducing fuels and fire prevention.

This event is brought to you by



1 - AmeriCorps Team of 8 Jan-April 2022











<https://sway.office.com/m0vEJ3if11BhDZf#content=82te4thss1JjM9>





















<https://sway.office.com/m0vEJ3if11IBhDZf#content=cjdBCZR8b6DbE5>











<https://sway.office.com/m0vEJ3if11BhDZf#content=issueB6cEVBNAde>





### Media Attention 2021

- Dunlap Veteran Project: <https://kmp.com/news/local/volunteers-help-keep-veterans-home-safe-from-fires>
- July 31st Creek Fire Recovery workday ABC30 news article: <https://abc30.com/pine-ridge-cleanup-volunteers-wildfire-fuel/10923271/>
- The Creek Fire Recovery with Team Rubicon in the Pineridge community September 24th -26th: <https://kmp.com/news/local/volunteers-provide-fire-mitigation-recovery-services-near-shaver-lake>
- Pinehurst Firewise Community ABC 30 news story: <https://abc30.com/firewise-community-miramonte-fires/11217027/>











<https://sway.office.com/m0vEJ3if11BhDZf#content=72Tj4hjO2A8ln6>

1. **Relationships with landowners and councils**
2. **Treatments/implementation**
3. **Community Organizing- Volunteer Workdays- Drive education and outreach. – Upcoming workday Cedarbrook Team Rubicon.**
4. **Post Fire Recovery- platform and collaboration**
5. **Firewise Communities**
6. **Contracts for NRCS funding**
7. **Americorps**
8. **Attention, media, social media**
9. **Tie in with Councils or County Projects**

## Location and Property Information

Date: **10/7/2019**

Landowner Name: **Smokey Bear**

Mailing Address: **SHAVER LAKE CA 93664**

Phone: **559-###-####**

Email: **smokey.the.bear@gmail.com**

Preferred method for communication: **Email**

County of Property: **Fresno**

Assessor Parcel No. (APN): **123-45-####**

General Area Location: **Firesafe Rd.**

Acres of Forest Land: **60 acres**



Photo of Home Entrance/Driveway/Address:

Property Summary: **This property was in excellent condition due to past CFIP projects and has been greatly maintained by the landowner. This report will have few recommendations because the property is so well managed. Most categories in the home hardening section are marked N/A as there were no recommendations to be made. Your brand-new home seems to be a perfect home for an area at risk of wildfire. I would like to thank you for letting me visit your property for training. It was very helpful and eye opening to see such a well-managed piece of private ground.**

Maps:



## Home Hardening

**This component will evaluate the risk to wildfire around the home. Here are the home hardening steps to be taken:**

THE ROOF has the greatest exposure to fire embers: **N/A**

EAVES AND SOFFITS with open-eave construction should be inspected: **N/A**

VENTS can allow embers to enter a crawl space, the attic, soffit, or foundation: **N/A**

WINDOWS can break from the heat, even before a home ignites, allowing embers or flames into the home: **NA**

SIDING is vulnerable if exposed to flames or radiant heat for periods of time: **N/A**

DECKS are vulnerable to fires from embers igniting vegetation or materials near or below them: **N/A**

CHIMNEYS can be a source of sparks and embers: **N/A**

RAIN GUTTERS should be cleared of leaves and needles that embers can easily ignite: **N/A**

FENCES can serve as a pathway from fire/flames to the house: **N/A**

WATER SUPPLY can be enhanced by having multiple garden hoses long enough to reach all areas of the structures on your property: **N/A**

GARAGES are especially vulnerable to embers and ash. Embers can enter a garage through gaps or cracks in the garage door, potentially igniting a house from the inside: **N/A**

OUTBUILDINGS AND PERSONAL PROPERTY if not properly mitigated can catch fire and through embers and radiant heat and/or flames, can ignite the home.

Outbuilding and Personal Property Recommendations: **The outbuildings seem to be the only minor weakness in the home hardening section as they are not as buttoned-up as the main home. We recommend that if under threat of wildfire move the building materials and tools into the building or out on the driveway away from combustible materials.**

DRIVEWAYS AND ACCESS ROADS should be built and maintained according to state and local codes so that emergency vehicles can safely reach your home: **N/A**

A POSTED ADDRESS is critical during a wildfire event: **N/A**



## Defensible Space

**This component will evaluate the risk to wildfire in the defensible space area: Zones 0 (3 – 5 ft. around structure), Zone 1 (5 – 30 ft. from structure) and Zone 2 (30 – 100 ft. from structure). If a Zone 3 is present, it too will be inspected as is feasible (size & topography).**

Zone 0 (3 -5 ft. around structure) 80% of homes destroyed during wildfire events are caused by ember deposition on or immediately around the home. It is imperative that this zone be properly maintained at all times.

**Recommended Actions: Landowner plans to lay down noncombustible material in this zone to defend against surface fire encroachment.**

Zone 1 (5 – 30 ft. from structure) This zone is critical to stop the spread of a wildfire from reaching the structure. Proper tree/shrub spacing, pruning of limbs (up to 8-10 ft.), the removal of ladder fuels (tall

grass/shrubs/small trees) under residual trees is mandatory in this zone. Outbuildings and personal property (RVs/boats/combustible items) must/should be moved or adequately protected by defensible space.

Recommended Actions: **No recommendations as this area is completely absent of flammable materials.**

Zone 2 (30 – 100 ft. from structure) This zone is designed to have the flaming front of a wildfire “drop to the ground” so firefighters can safely defend and/or attack the fire. Thinning, pruning, ladder fuel modification and debris removal are essential mitigation measures in this zone.

Recommended Actions: **Maintain limbing up of trees in this zone.**

Zone 3 (100 ft. to property boundary if applicable and/or as is feasible).

Recommended Actions: **Maintain thinning and limbing practices in this zone.**



## Stewardship Component

**This component will evaluate the area outside/beyond of the Firesafe/Defensible Space area as requested by the landowner. If requested, SRCD staff will make an initial assessment of the items shown below. If the owner decides to continue with implementing stewardship/forest management activities, the Sierra RCD forester will guide the landowner through the appropriate process.**

Forest Resource Conditions: **Forest health conditions seem to be outstanding. The property is covered in evenly spaced and pruned trees. In some places thinning of cedars may be recommended.**



Soil, Water and Vegetation Conditions: **Very little sign of erosion of soils. Meadows look healthy and are wet with some standing water.**

Insect and Disease Problems: **Very few dead or dying trees on the property.**

Historical and/or cultural resources:

Noxious Weeds or Invasive Species:



## Post-Fire Rehabilitation Assessment

*While the purpose of the Post-Fire Rehabilitation Assessment is to reduce the risk of post-fire impacts (erosion, revegetation, invasive weed proliferation, further habitation & general ecosystem degradation) and provide information and resources to help guide your restoration efforts to your home or property. Using or following the recommendations in this assessment does not guarantee complete reduction of such post-fire impacts mentioned above.*

- What is the landowner's living situationChoice
- Is there structure damage from fire?Multiple lines of text
- Damaged structure recommendations.Multiple lines of text
- Damaged well or water resourceMultiple lines of text
- Watercourses on the PropertyMultiple lines of text
- Water course location.Multiple lines of text
- Distance from the structures to the watercourses on the propertyChoice
- Erosion Conditions: Is there a high, low or moderate hazard to erosion occurring on this property. High: There are areas of steep slope with lots of burned debris, significant loss of vegetation, and hydrophobic soil conditions. Moderate: Moderate slopes with some area of concern. Some soil hydrophobic conditions and loss of vegetation. Low: Little concern for erosion, property is mostly flat. Low soil repellency and no significant vegetation loss.Choice

- [Erosion Recommendations](#).Multiple lines of text
- [Slope on property](#)Multiple lines of text
- [Crossings at Risk](#)Multiple lines of text
- [Crossing recommendations](#).Multiple lines of text
- [Drainage to watercourse](#)Choice
- [Drainage Recommendations](#).Multiple lines of text
- [Are there driveways or roads on the property that are risk of erosion or have been compromised due to wildfire damage?](#)Choice
- [Driveway or Road recommendations](#).Multiple lines of text
- [Average SOIL BURN SEVERITY depends on the following characteristics: Ground cover/duff present, water repellency, ash color and depth, and soil structure/texture. These factors will determine what management practices are needed to help prevent soil erosion and sediment control.](#)Choice
- [SOIL BURN SEVERITY: Measuring the ash depth on top of the soil can identify areas of the property that were severely burned by wildfire. \(See attached map to locate where ash depth was measured on the property\)](#)Multiple lines of text
- [Average ash color and depth observed on the property:](#)Choice
- [SOIL WATER REPELLENCY TEST: Soil samples taken through out property to test water repellency in the soil. \(see attached map\)](#)Multiple lines of text
- [Average Soil Water Repellency:](#)Choice
- [Overall Soil Structure:](#)Choice
- [Ground Cover:](#)Choice
- [Ground cover Recommendations](#).Multiple lines of text
- [Hazardous tree recommendations.](#)

**Location and Property Information**

**Date:** 2/9/2021  
**Landowner Name:** Deena Lord  
**Property Address (if different than mailing address):** 36672 Peterson Rd.  
**Phone:** 559-260-0505  
**Email:** dlordlord@psnw.com  
**Preferred method for communication:** Call  
**County of Property:** Fresno  
**Assessor Parcel No. (APN):** 13032015  
**General Area Locator:** Peterson Road Area  
**Ownership Size:** 5.75  
**Photo of Home**  
**Entrance/Driveway/Address:**



**Property Summary:** This property has been affected by the creek fire. All the structures have been destroyed and most of the vegetation has been severely burned. There is some potential for erosion in the drainage near the road.

While the purpose of the Post-Fire Rehabilitation Assessment is to reduce the risk of post-fire impacts (erosion, revegetation, invasive weed proliferation, further habitat & general ecosystem degradation) and provide information and resources to help guide your restoration efforts to your home or property. Using or following the recommendations in this assessment does not guarantee complete reduction of such post-fire impacts mentioned above: Yes

The information on this report was prepared by the author for the cooperative fire manager of the U.S. Forest Service, Department of Agriculture, Pacific Southwest Region, through the California Fire Safe Council. The findings and conclusions contained in this document are those of the author and should not be construed as representing the agency or policies of the California Fire Safe Council. It is hereby advised that the U.S. Government neither endorses nor recommends the products or services that are mentioned in this publication nor the Council of the U.S. Government.

**Drainage to watercourse:** There is an abundance of debris that is blocking drainage and must be cleared.

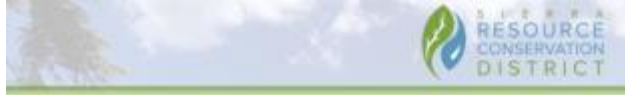
**Drainage Recommendations:**  
 Clear debris from the drainage.  
 If possible, chip the debris onsite and spread it along the property.



**Are there driveways or roads on the property that are risk of erosion or have been compromised due to wildfire damage?:** No  
**Driveway or Road recommendations:** None

The information on this report was prepared by the author for the cooperative fire manager of the U.S. Forest Service, Department of Agriculture, Pacific Southwest Region, through the California Fire Safe Council. The findings and conclusions contained in this document are those of the author and should not be construed as representing the agency or policies of the California Fire Safe Council. It is hereby advised that the U.S. Government neither endorses nor recommends the products or services that are mentioned in this publication nor the Council of the U.S. Government.





Average SOIL BURN SEVERITY depends on the following characteristics: Ground cover/duff present, water repellency, ash color and depth, and soil structure/texture. These factors will determine what management practices are needed to help prevent soil erosion and sediment control. Moderate burn severity.

SOIL BURN SEVERITY: Measuring the ash depth on top of the soil can identify areas of the property that were severely burned by wildfire. (See attached map to locate where ash depth was measured on the property):

- SS1: no ash
- SS2: 0.5 in.
- SS3: 1 in.
- SS4: 1 in.

Average ash color and depth observed on the property: Moderate Burn Severity- There are patches of gray layers of ash present with ground cover underneath.



The information in this report was developed by the author for the client. It is provided as a guide from the cooperation of the author and the client. The author is not responsible for the accuracy of the information. The client is responsible for the accuracy of the information. The client is responsible for the accuracy of the information. The client is responsible for the accuracy of the information.



SOIL WATER REPELLENCY TEST: Soil samples taken throughout property to test water repellency in the soil. (see attached map):

- SS1: Moderate
- SS2: Moderate
- SS3: Moderate
- SS4: Moderate



Average Soil Water Repellency: Moderate Soil Severity Burn- Water does not instantly infiltrate soil.

Overall Soil Structure: Moderate Soil Burn Severity- Soil is somewhat weakened.

The information in this report was developed by the author for the client. It is provided as a guide from the cooperation of the author and the client. The author is not responsible for the accuracy of the information. The client is responsible for the accuracy of the information. The client is responsible for the accuracy of the information. The client is responsible for the accuracy of the information.

## Work Plan Section

Work Plan Section: A work plan created for a landowner that qualifies for a fuels reduction project. This will be completed after a PAR review and will be structured around a 2nd assessment & landowner consultation. Yes/No

North Side of Property Description of zone 0,1,2 & extended zone. (Primary vegetation type, fuel density, ladder fuels, how close are the fuels, terrain) Multiple lines of text

North side work focus (Primary area of concern & focus, tools & equipment needed) Multiple lines of text

North side hazards and accessibility issues? (Steep slopes, hazard trees, poison oak, bees, unstable footing, etc) Multiple lines of text

North side landowner requests. (what not to remove, work plan modifications)

Logistics: Resources needed based on work plan & evaluation. Yes/No

What equipment & PPE is needed & how much of each? Multiple lines of text

How many volunteers are needed and their capabilities? Multiple lines of text

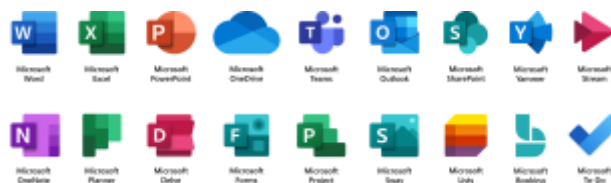
Estimated amount of acres need treatment? Multiple lines of text

How long will the needed work take? Multiple lines of text

How will the woody debris be disposed of? Multiple lines of text

What tools does the landowner want to provide?

## Back-End of a FRE



Over 130 FRE's created

Microsoft Office 365:

- 1) Bookings- Set an appointment, store contact information
- 2) Sharepoint- Fill out the FRE survey
- 3) Word- Format FRE survey
- 4) Outlook- Send out FRE
- 5) Teams- Store FRE's and Communicate with Team