

FLN Networker No. 270: September 26, 2018

The FLN Networker is a publication of the Fire Learning Network—a partnership of the USDA Forest Service, agencies of the Department of the Interior and The Nature Conservancy—intended to foster communication within the network and among its friends. Submit comments, information to share, and subscription requests to Liz Rank.

For more about the FLN, visit www.conservationgateway.org/fln or contact Marek Smith.

News from the Field

California: The **Forest Service** [post](#) “Excel as a High-Performing Agency” highlights the signing of the decision notice on the **Somes Bar Integrated Fire Management Project** developed by the **Western Klamath Restoration Partnership**. The project arose from the **planning process facilitated by the FLN** in 2013 and 2014. With support from Region 5 of the Forest Service, community members participated at every stage of the NEPA process, including field work and writing.

California: The **Humboldt County Prescribed Burn Association**—formally founded this spring—started its **first fall burn season** this week. Expect periodic updates on the [TREX Facebook page](#).

Colorado: **Jeremy Bailey, Mike Caggiano** and **Gabe Donaldson** are among those who provided insight (and data) for the [5280 article](#) “Can Colorado Burn Its Way Out of a Wildfire Crisis?” which takes a fairly deep dive into the question.

Colorado: **FAC Net affiliate member Fire Adapted Bailey** was featured in a *Colorado Sun* [article](#) that highlights the **impressive mitigation accomplishments** of residents, how the town has drawn inspiration from the community that experienced the **2013 Black Forest Fire**, and what residents and other stakeholders are doing to address wildfire risk through some new planning and local fundraising initiatives.

New Jersey: The governor recently signed **prescribed fire legislation** that unanimously passed both houses of the state legislature this summer. Some key elements of the legislation were **informed by Florida law**, which **FAC Net members learned about** at the **FLN-FAC Net workshop** in Jacksonville in 2016. For more, see the [article](#) “NJ Forest Fire Service Developing New Prescribed Burn Guidelines” or contact **Bill Brash** (bill@njfiresafetycouncil.org).

New Mexico: The **Rio Grande Water Fund All Hands All Lands Burn Team** completed its first burn earlier this week, at Taos Ski Valley, before heading over to assist with burns on the Carson National Forest. Over the course of the week, the team plans to burn about 3,000 acres. Looking ahead, the team will work with the **Carson, Cibola and Santa Fe national forests** to help the three forests get their burn goals completed, helping to **improve forest health** and **protect the watershed**. Read more about the team at <https://facnm.org/our-projects/all-hands-all-lands-burn-team>

Oregon: The *Forest Ecology and Management* [article](#) “Regional and Local **Controls on Historical Fire Regimes** of Dry Forests and Woodlands in the Rogue River Basin, Oregon, USA” is based on an analysis of **cross-dated fire scars** dating back to 1650. The authors—Kerry Metlen (kmetlen@tnc.org), Carl Skinner, Derek Olsen, Clint Nichols and Darren Borgias—conclude that “adapting these forest systems to a changing climate while continuing to provide ecosystem benefits for people will **require significant investment and innovative approaches** to managing fire, such as increased spring and fall burning.” Read more in the attached *Notes from the Field*.

Washington: Although the **Cascadia TREX** just got underway a couple days ago, the communications team started weeks ago—see the [article](#) “Fighting Fire with Fire: Crews Plan **Controlled Burns** that **Could Ease Smoke in the Future**” in the *Yakima Herald*.

Southern Blue Ridge: A [video](#) recorded at last year's **SBR FLN** workshop asks, “**What is the Fire Learning Network?**” In brief **interviews**, members and partners from Clemson University, Georgia DNR, National Park Service, Texas A&M, The Nature Conservancy and U.S. Forest Service talk about the **value that the network brings** to them, and to their landscapes. Featuring Shan Cammack, Judith Downing, Malcolm Hodges, Gary Kauffman, Rob Klein, Charles Lafon, Emily Oakman and Greg Salansky.

Safety: Fuel Geysers

Fuel Geysers 1: A Conservancy crewmember had a **near-miss** when checking the fuel level on a Stihl 461 **chainsaw**. Fuel geysered onto the crewmember's clothing, but no ignition sources were present. The **saw had not been running**, but had been in a **black metal box** on the engine on a **hot day (97 F)**. Good reminder to refresh on [fuel tank safety](#).

Fuel Geysers 2: The NWCG Equipment Technology Committee has [recalled](#) all five-gallon **Wavian fuel cans** after **four geysering incidents** were reported on wildland fires. What are you using?

Resource: WUI Planning

WUI Planning: The **American Planning Association** published “**Multihazard Planning Framework for Communities in the Wildland-Urban Interface**” this summer. The [framework](#) includes links to a variety of resources, based on hazard type and planning scale.

Articles: Cultural Fire / Fire & Birds / Fire & Water / Fire Weather Index / Post-Wildfire Window

Cultural Fire: Authors of the [article](#) “**Fire Regime on a Cultural Landscape: Navajo Nation**” used tree ring analysis to document the fire regime of the 17.5-million-acre Navajo Indian reservation **since 1644**. The **influence of burning by indigenous people** is explored across both space, through comparisons with neighboring lands, and time.

Read more about the **contemporary cultural use of fire** in the **FAC Net** [blog post](#) “Fire as Medicine: Fire Dependent Cultures and Re-Empowering American Indian Tribes” by **Frank Lake**.

Fire & Birds: The [article](#) “**Long-Term Avian Response to Fire Severity, Repeated Burning, and Mechanical Fuel Reduction** in Upland Hardwood Forest” reports on a study conducted on the Green River Game Land in North Carolina (which lies within the Southern Blue Ridge Escarpment FLN landscape).

Fire & Water: The [article](#) “Reframing the Challenge of **Global Wildfire Threats to Water Supplies**” calls for a **multi-scale assessment** of the effects increasing wildfire may have on surface water supplies.

Fire Weather Index: The authors of the [article](#) “The Hot-Dry-Windy Index: A **New Fire Weather Index**” propose an alternative to the Haines Index. Their index—with its physical, not statistical, basis—**performed better** than the HI on each of the four historical fires examined.

Post-Wildfire Window: The [article](#) “Does Wildfire Open a Policy Window? **Local Government and Community Adaptation After Fire** in the United States” examines the responses of nearby communities after eight wildfires from 2009 and 2011.

Video: Fire & Archaeology

Fire & Archaeology: Archaeologists and fire managers discuss the how and why in the eight-minute [video](#) “Fire & Archaeology: Working Together to **Protect Cultural Resources** During Wildfire & Prescribed Fire” from the **Southwest Fire Science Consortium**.

Jobs: Fuel Reduction Crews / Collaborative Coordinator / Fire Interns / Fire Program Manager

Fuel Reduction Crews: CAL FIRE is holding open examinations for **entry level forestry technician** positions on **six newly formed crews**. For more information about these career-track positions, see the attached flyer. The deadline is **October 2**.

Collaborative Coordinator: The **Wildfire Adapted Partnership** is seeking a **Dolores Watershed Resilient Forest Collaborative Coordinator** to manage its day-to-day operations. The position is on a contract basis; details are available in a **request for proposals** posted to the DWRP site (<http://dwrpcollaborative.org/>). Proposals are due by **October 12**.

Fire Interns: The **Student Conservation Association** and **U.S. Forest Service** are partnering to offer the **Integrated Fire and Recreation Internship Program**; it includes two weeks of training, followed by about 14 weeks working on districts implementing what was learned. The program is open to U.S. citizens and permanent residents **18-30 years old**, and carries living and travel allowances. For details, see the SCA website (position ID [PO-00726824](#)); priority will be given to applications received by **October 15**.

Fire Program Manager: The **Karuk Department of Natural Resources** is **conducting outreach** for a unit fire program manager position. Details and an outreach form are in the attached flyer.

Webinars

October 10
new listing

Wildfires and Insurance: Learn How to Be Financially Prepared

noon Pacific / 1:00 Mountain / 2:00 Central / 3:00 Eastern

This National Fire Protection Association webinar is aimed at residents—homeowners and renters alike—of wildfire-prone areas.

Details & registration: <https://www.nfpa.org/Training-and-Events/By-type/Webinars/Wildfires-and-insurance-learn-how-to-be-financially-prepared>

(Also check out the recent FAC Net [blog post](#) “Wildfire Insurance 101: What Practitioners and Policy Owners Need to Know.”)

November 29
new listing

Prescribed Fire Policy Barriers

11:30 Pacific / 12:30 Mountain / 1:30 Central / 2:30 Eastern

Courtney Schultz and Heidi Huber-Stearns will be the presenters on this Northwest Fire Science Consortium webinar on findings from a JFSP project on challenges and strategies on federal lands across the West.

Details & registration: <http://www.nwfirescience.org/events/prescribed-fire-policy-barriers-findings-ifsproject-challenges-and-strategies-federal-lands>

recording available
new listing

Foundational All-Lands Data for Improving Decisions in Land Management

The LANDFIRE team—recent recipients of a DOI Environmental Achievement Award—presented this seminar to the DOI Office of Policy Analysis on September 10. Recording: <http://www.conservationgateway.org/ConservationPractices/FireLandscapes/LANDFIRE/Pages/PanelPresentationCAADOI.aspx>

Network Workshops & Field Tours

October 23-24
deadline

Central Appalachians FLN / Blacksburg, VA

The registration and lodging deadline is October 1. Details and updates are posted at <http://www.conservationgateway.org/ConservationPractices/FireLandscapes/FireLearningNetwork/RegionalNetworks/Pages/CentralApps-Workshop.aspx>

- October 25**
new listing **Sand Plain Pines Partnership / Cass Lake, MN**
Partners will continue discussions begun at their first FLN workshop in July, and will delve into greater detail on landscape restoration objectives, including methods and techniques to restore mixed pine woodland communities. Details will be available soon.
- December 11** **Georgia Blue Ridge Mountains FLN / Dahlonega, GA**
Save the date for the fall workshop of this Southern Blue Ridge FLN landscape.
- February 11-15, 2019**
new listing **Annual FLN Leaders-TREX Coaches-IPBN Workshop / Russellville, AR**
Regional network leads, TREX coaches and leaders from the Indigenous Peoples Burning Network will be hosted by the South Central FLN.
- April 22-26, 2019**
new listing **Fire Adapted Communities Learning Network Workshop / TBD**
FAC Net core members and key partners will meet at this national workshop.

FLN Prescribed Fire Training Exchanges (TREX)

- Sept. 23-Oct. 5** **Cascadia Prescribed Fire Training Exchange / Cle Elum, WA**
This TREX is in progress.
- Sept. 30-Oct. 6** **Yurok River Prescribed Fire Training Exchange / Weitchpec, CA**
The application deadline for this TREX has passed.
- October 1-13** **Klamath River Prescribed Fire Training Exchange / Orleans, CA**
The application deadline for this TREX has passed.
- Oct. 15-Nov. 2** **Spanish-language Prescribed Fire Training Exchange / Santa Fe NF, NM**
The application deadline for this TREX has passed.
- October 15-22** **Fire Effects Monitoring and Technology Workshop / Santa Fe, NM**
The application deadline for this TREX has passed.
- October 18-31** **Southern Rockies Prescribed Fire Training Exchange / Raton, NM & Trinidad, CO**
The application deadline for this TREX has passed.
- Oct. 22-Nov. 3**
deadline **Cal-TREX North Training Exchange / Chico, CA**
This is the first of a new series of trainings supported by CAL FIRE to promote the use of prescribed fire in the state. Applications are due by **September 29**.
Details: <http://www.conservationgateway.org/ConservationPractices/FireLandscapes/HabitatProtectionandRestoration/Training/TrainingExchanges/Documents/Cal-TREX-North-2018-announce.pdf>
- Oct. 29-Nov. 9** **Southern Blue Ridge Prescribed Fire Training Exchange / Pickens County, SC**
The application deadline for this TREX has passed.
- November 5-16** **Calaveras Prescribed Fire Training Exchange / Wilseyville, CA**
The application deadline for this TREX has passed.

Conferences, Workshops, Training, Etc.

- October 1-3** **Great Plains Prescribed Fire Summit / Ardmore, OK**
Details: <https://www.eventbrite.com/e/2nd-great-plains-fire-summit-tickets-46614336736>

- October 16-17**
new listing **Long-Duration Fire and Re-Burn Effects in Yellowstone National Park**
This field tour is hosted by the Northern Rockies Fire Science Network.
Details: <https://www.nrfirescience.org/event/long-duration-fire-and-re-burn-effects-yellowstone-national-park>
- November 27-29** **Working Together—Fire Managers & Archaeologists / Tucson, AZ**
Information: <http://www.swfireconsortium.org/2018/06/26/november-27-29-2018-working-together-fire-managers-archaeologists/>
- December 10-14** **15th International Wildland Fire Safety Summit, and
5th Human Dimensions of Wildland Fire Conference / Asheville, NC**
Information: <https://www.iawfonline.org/event/15th-international-wildland-fire-safety-summit-and-5th-human-dimensions-conference/>
- January 14-18, 2019**
new listing **RX-510 Advanced Fire Effects / Tucson, AZ**
Nominations are being accepted for this course offered by the National Advanced Fire and Resource Institute through October 19.
Information: https://nationalfiretraining.nwcg.gov/schedule/detail/na_RX510_01-14-2019_7130
- March 26-28, 2019** **Wildland Urban Interface Conference / Reno, NV**
Pre-conference events will take place March 23-26.
Information: <https://www.iafc.org/events/wui>
- April 29-May 3, 2019** **6th International Fire Behavior and Fuels Conference / Albuquerque, NM**
The conference theme is "Fuels of Today—Fire Behavior of Tomorrow," and will be held simultaneously in Albuquerque, Sydney (NSW Australia) and Marseille (France). Proposals for pre-conference workshops (April 29, in Albuquerque) are due by November 16.
Information: <http://www.firebehaviorandfuelsconference.com/>
- Nov. 18-22, 2019** **Cultivating Pyrodiversity: The 8th International Fire Ecology and Management Congress / Tucson, AZ**
Information: <http://afefirecongress.org/>

Send News, Links & Comments

Heather Montanye – hmontanye@tnc.org – Heather is in the office.

Jeremy Bailey – jeremy_bailey@tnc.org – Jeremy is in Weitchpec, CA September 28-October 7; Klamath, CA October 7-13; Santa Fe, NM October 14-22.

Marek Smith – marek_smith@tnc.org – Marek is in Chapel Hill, NC September 25-27; out September 28; in Wenatchee, WA October 15-19.

Mary Huffman – mhuffman@tnc.org – Mary is in the office.

Wendy Fulks – wfulks@tnc.org – Wendy out October 15-19.

Liz Rank (editor) – lrnk@tnc.org – Liz is in the office.

Note: October 8 is a Conservancy holiday.

Full Links

News from the Field—CA—Somes Bar: <https://www.fs.fed.us/inside-fs/forest-readies-collaborative-project-implementation>

News from the Field—CA—PBA: <https://www.facebook.com/TREX-Prescribed-Fire-Training-Exchange-1665687823757153/>

News from the Field—CO—Wildfire crisis: <https://www.5280.com/2018/09/can-colorado-burn-its-way-out-of-a-wildfire-crisis/>

News from the Field—CO—FAC: <https://coloradosun.com/2018/09/25/wildfire-mitigation-lessons-black-forest/>

News from the Field—NJ: <https://thesandpaper.villagesoup.com/p/nj-forest-fire-service-developing-new-prescribed-burn-guidelines/1776531>

News from the Field—OR: <https://reader.elsevier.com/reader/sd/pii/S0378112718303566?token=DD652B7AE479BC0CB7296D60B35DAA4B2FED47DBFA772624059BD7151B1B00774B72EAD399A023873E4B4C40C951A48E>

News from the Field—SBR: <https://www.youtube.com/watch?v=eIRgPulJVk8&feature=youtu.be>

News from the Field—WA: http://www.yakimaherald.com/news/local/fighting-fire-with-fire-crews-plan-controlled-burns-that-could/article_915d3ee6-b718-11e8-ba8d-9fb639213880.html

Safety—Fuel geysers: <https://www.nwcg.gov/committee/6mfs/fuel-geyser-awareness>

Resource—WUI planning: <https://www.planning.org/publications/document/9155699/>

Articles—Cultural fire--Article: <https://onlinelibrary.wiley.com/doi/pdf/10.1002/ece3.4470>
Blog post: <https://fireadaptednetwork.org/fire-as-medicine-fire-dependent-cultures/>

Articles—Fire & birds: https://www.srs.fs.usda.gov/pubs/ja/2018/ja_2018_greenberg_006.pdf

Articles—Fire & water: https://www.srs.fs.usda.gov/pubs/ja/2018/ja_2018_hallema_002.pdf

Articles—Fire weather index: https://www.srs.fs.usda.gov/pubs/ja/2018/ja_2018_goodrick_001.pdf

Articles—Post-wildfire window: https://www.fs.fed.us/nrs/pubs/jrnl/2018/nrs_2018_mockrin_001.pdf

Video—Fire & archaeology: https://www.youtube.com/watch?v=qgrxzA_xcNU

To subscribe to this newsletter, please contact Liz Rank at lrnk@tnc.org

The Fire Learning Network is supported by *Promoting Ecosystem Resilience and Fire Adapted Communities Together: Collaborative Engagement, Collective Action and Co-ownership of Fire*, a cooperative agreement between The Nature Conservancy, USDA Forest Service and agencies of the Department of the Interior.

In accordance with Federal law and U.S. Department of Agriculture policy, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age, or disability. (Not all prohibited bases apply to all programs.) To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.



Learning About Burning: Wisdom of Old Trees

Fire Learning Network Notes from the Field

Rogue Basin FLN Landscape ~ Fall 2018

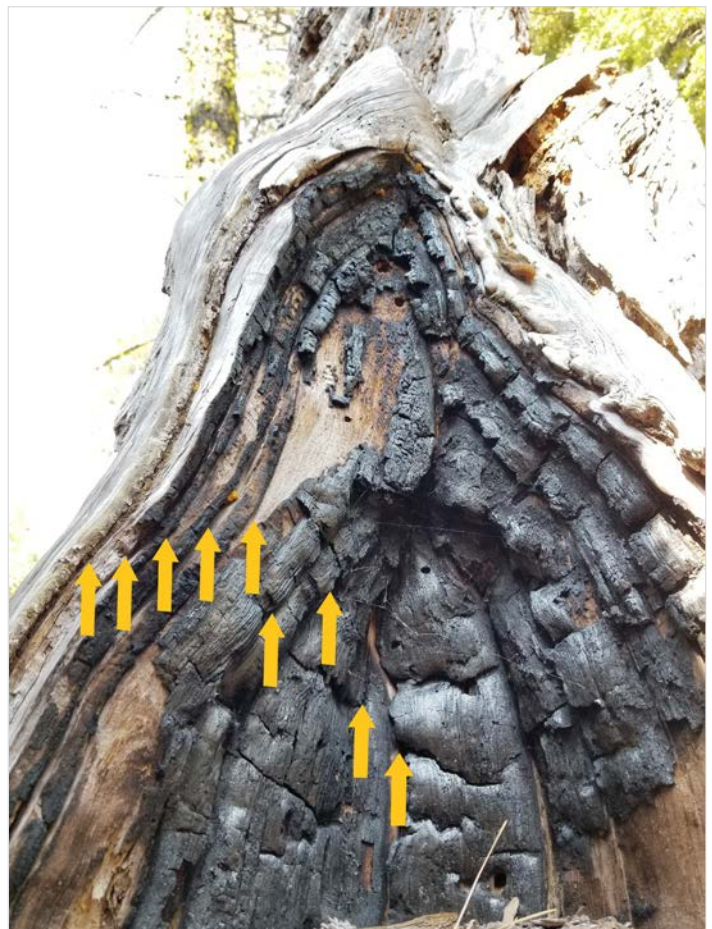
The paper “Regional and Local Controls on Historical Fire Regimes of Dry Forests and Woodlands in the Rogue River Basin, Oregon, USA” (*Forest Ecology and Management*, 430:43-58), published in 2018, was written by Kerry L. Metlen¹, Carl N. Skinner², Derek R. Olson¹, Clint Nichols³ and Darren Borgias¹. It is based on their research in the Rogue Valley landscape of the Northwest FLN.

Using 100 trees scarred by more than 200 fires going back to 1650 AD, the researchers found that diverse dry forest stands from across the Rogue River Basin survived repeated fires. Fire returned on average every eight years, with 90 percent of fires returning within 3 to 30 years of the previous fire.

While the forests surrounding the Rogue Valley are known to support large wildfires at the height of summer wildfire season, the research found that half of all historical fires burned in the spring or fall. Frequent fire and cool season burning ended in the research stands 110-165 years ago. Loss of frequent fire in the 1850s corresponded with Euro-American settlements and the forced displacement of Native Americans, which ended their well-documented cultural burning. Fire regimes were disrupted by 1906 in more remote settings.

The findings of this study are important for considering the historical role that tribal burning had in contributing to past fire regimes, and for increasing the public’s and resource managers’ awareness of how working with tribes on forest restoration and restoring fire as an eco-cultural process can benefit society and the environment today.

Frank Lake
Research Ecologist
USFS Pacific Southwest Research Station



Freshly collected fire scar sample (above) and fire scars and continued growth in a Jeffrey pine (below).
© TNC (Kerry Metlen)

¹The Nature Conservancy

²USDA Forest Service Pacific Southwest Research Station (emeritus)

³Jackson Soil and Water Conservation District

A wealth of science provides details about historic fire patterns in other regions. However, in the Rogue Basin a fuzzy picture of fire has been painted from historic accounts and old photographs, old forest inventories, and research on charcoal in lake sediments.

These local fire-scar data from ponderosa pine, mixed conifer, and mixed evergreen forests sharpen resolution of burn patterns and reveal similarities in fire regimes in diverse dry forests across the Siskiyou, southern Cascades, and northern Sierra Nevada Mountains.

Kerry Metlen
Forest Ecologist
The Nature Conservancy

The findings of this paper match well with other studies in dry forest ecosystems. Frequent fires created fuel-limited systems, with open forest canopies and clumped tree distributions. These conditions are readily restored and an excellent bet-hedging strategy for the coming wildfires and a steadily warming climate.

Paul Hessburg
Research Ecologist
USFS Pacific Northwest Research Station



Preparing a fire-scar sample for collection from an old stump.

© TNC (Keith Perchemlides)



Cross-dated fire-scars on a section of ponderosa pine.

Photo: USFS Pacific Southwest Research Station (Carl Skinner)

This research shows how fire exclusion has narrowed the role of fire to one dominated by large fires during the hottest times of the year when fires are more likely to be higher severity, and suppression is the most difficult, dangerous, and costly. This makes a case for using fire in cooler spring and fall months, along with significant fuels reduction work, to prepare our forests for a changing climate.

Bill Kuhn
Area Ecologist
Rogue River-Siskiyou and Umpqua National Forests

Looking to the trees for wisdom, the authors suggest that these results reinforce the need to work in partnership to increase the pace and scale of forest restoration, including forest thinning and fuels reduction to set the stage for controlled burns in the spring and fall.

For more on this research, contact:

Kerry Metlen
kmetlen@tnc.org

For more on the Rogue Valley FLN, contact:

Darren Borgias
dborgias@tnc.org

The Fire Learning Network is part of *Promoting Eco-system Resilience and Fire Adapted Communities Together*, a cooperative agreement between The Nature Conservancy, USDA Forest Service and agencies of the Department of the Interior. For more information about PERFACT, contact Marek Smith at marek_smith@tnc.org.

An equal opportunity provider

STEP UP TO A NEW AND EXCITING CAREER AS A PART OF A **CAL FIRE** FUELS REDUCTION CREW!



THE DEPARTMENT OF FORESTRY AND FIRE PROTECTION (**CAL FIRE**) IS OFFERING PRIME OPPORTUNITIES AS FORESTRY TECHNICIANS WORKING ON FUEL REDUCTION CREWS TO HELP CREATE A HEALTHIER, MORE RESILIENT CALIFORNIA.



- ✓ GAIN VALUABLE EXPERIENCE AND CERTIFICATIONS IN THE USE OF PRESCRIBED FIRE.
- ✓ GET IN ON THE GROUND FLOOR OF A CAREER WITH **CAL FIRE**.
- ✓ HELP COMMUNITIES IMPROVE THEIR DEFENSE AGAINST WILDFIRES.
- ✓ MAKE A DIFFERENCE IN SHAPING THE FUTURE OF CALIFORNIA'S FORESTS AND NATURAL RESOURCES.

FORESTRY TECHNICIAN IS AN ENTRY LEVEL POSITION INTO **CAL FIRE** OFFERING A BROAD RANGE OF CAREER OPTIONS AND ADVANCEMENT.



VISIT [JOBS.CA.GOV](https://jobs.ca.gov) FOR MORE INFORMATION ON HOW TO APPLY



Outreach Advisory

Karuk Department of Natural Resources
Fire and Fuels Program

Unit Fire Program Manager

Orleans, CA

Full-time position with three-year funding



Overview

The Karuk Department of Natural Resources (KDNR) will soon be filling a Unit Fire Program Manager (UFPM) position for the Karuk Tribe in Orleans, California. This position will have the responsibility of coordinating and performing tasks associated with overall fire program management, and will be required to work directly with Tribal partners to provide strategic guidance and operational support for planned and unplanned fire incidents across Karuk aboriginal lands which overlap local, state, and federal boundaries.

This position has been identified as one of the key fire management positions under the Interagency Fire Program Management (IFPM) Standard, and has been categorized as a moderate to high complexity level. This position requires selectee to meet the minimum qualification standards for IFPM prior to being placed into the position. Detailed information regarding IFPM positions can be found at: <http://www.ifpm.nifc.gov/>.

About the Location

The Karuk Department of Natural Resources is located in Orleans, California. The area is very remote and is surrounded by National Forest, much of which is wilderness.

About the Karuk Tribe

The Karuk have lived in the Klamath-Siskiyou Mountains in the mid-Klamath River region of Northern California since time immemorial. Our traditional fire knowledge is deeply rooted on thousands of years practice. For about a century our fire practices have been severely limited by federal and state policy, but we are now becoming leaders in returning these practices under the auspices of the National Cohesive Wildland Fire Management Strategy. We currently have one Prescribed Fire and Fuels Specialist at low to moderate complexity and one on a training plan to low complexity. We also employ a Wildland Fire Operations Specialist on a training plan to low complexity and a type 2-IA hand crew that works on fuels reduction and prescribed burning projects between assignments. These resources will be coordinated and supervised by this position.

About the WKRP

The Western Klamath Restoration Partnership (WKRP) is a community-based partnership working towards building trust and restoring fire resilience at the landscape scale. The WKRP began in 2007, focusing on in-stream fish habitat restoration of the Middle Klamath River sub-basin. With significant funding available and a favorable socio-political climate for achieving success, the partnership evolved into a 1.2 million-acre upslope restoration collaborative incorporating an “all lands” approach to address threats to people, property, cultural and natural resources at risk from high-intensity wildfire.

In 2014, the Six Rivers National Forest was selected to begin implementation of the WKRP through the National Cohesive Wildland Fire Management Strategy (Cohesive Strategy), to address fire management challenges on a larger scale. By working collaboratively with stakeholders across all landscapes, the group began using best science to achieve three goals:

- Foster resilient landscapes
- Create Fire-adapted communities
- Establish safe and effective wildfire response

This collaborative approach allows for diverse stakeholders to come together to work towards common resource objectives using an “all hands, all lands” approach that involves collaborative, science-based ecosystem restoration at the landscape scale, across multiple jurisdictional boundaries. The Karuk Tribe Mid Klamath Watershed Council, Salmon River Restoration Council and the US Forest Service are co-leads for the collaborative group, but other stakeholders, communities and organizations play an integral part in the partnerships continued success (*short list of partner logos below*).



<http://www.karuk.us/index.php/departments/natural-resources>

<https://www.wkrp.network/>

If you are interested in receiving an application please fill out the attached form and e-mail to: Tawnia Johnson, Administrative Operations Coordinator at tjohnson@karuk.us

Yôotva - thank you for your interest in our upcoming vacancy.

KDNR UFPM Outreach Response Form

Please complete the outreach form and send electronically to tjohnson@karuk.us

or fax to (530) 627-3448, Attn: Tawnia Johnson

Position Title, Complexity: **Unit Fire Program Manager, Moderate-High**

Location: **Orleans, CA**

I am interested in applying for this position when advertised this fall/winter.

Personal Information: Date: _____

Name: _____

Address: _____

Email Address: _____

Phone: _____

IFPM Qualification Information:

Primary Core Requirement: _____

Secondary Core Requirement: _____

M-541 Attained? Yes _____ No _____

CLASS TITLE: FORESTRY TECHNICIAN

WORKING TITLE: FUELS REDUCTION TECHNICIAN



DUTIES: Assignment to one (1) of six (6) **CAL FIRE** Fuels Reduction Crews, working for the Crew Leader, implementing prescribed fire and fuels reduction projects in various fuel types with your assigned crew. You will be using power and hand tools to prepare and carry-out prescribed burns, fuel breaks, and fuels projects. You have the ability to gain experience and various certifications in prescribed fire and fire behavior. Crews will work throughout California and travel on a weekly basis.

MINIMUM QUALIFICATIONS: "Either" I: Equivalent to 15 semester units of college in forestry, natural resource management, conservation, or a closely related subject. **Or II** Six months of experience in practical resource management, conservation, or field work in a State of California resources agency department or in a forest management/timber harvesting operation. **OR** One year of urban resource community organizing work such as tree planting, community gardening, park development, and civil landscape beautification programs and equivalent to completion of the 12th grade.

HOW TO APPLY FOR THE EXAMINATION?

INTERESTED APPLICANTS ARE REQUIRED TO SUBMIT:

A. Examination/Employment Application (STD. 678) available at the California Department of Human Resources' website at <https://jobs.ca.gov/pdf/std678.pdf>.

B. A resume outlining your most recent experience in jobs with duties applicable to the job duties described in this exam announcement and to the class specification. Please be specific and provide the dates you worked in each position and the duties performed.

C. Statement of Qualifications* (a narrative discussion) that responds to the following three (3) questions to demonstrate how your background meets the knowledge, skills, and abilities needed for this position. It is imperative that you refer to the scope of this position when responding to these items:

- 1) Use personal or professional experience to describe what safety hazards may be encountered when performing duties in a wildland environment and how you would address it.
- 2) As a **CAL FIRE** Forestry Technician, you will work as a member of a team. Describe a personal or professional experience where you had to work as a member of a team to accomplish a task. How did the team work to accomplish the task and what role did you play? Please provide at least two (2) examples.

3) Name at least 3 of **CAL FIRE's** Resource Management programs and describe their functions.

*Limit your responses to no more than a total of three (3) typewritten pages with a font size no smaller than 10pt.

The examination process will consist of an evaluation, conducted by a screening committee, which is weighted at 100%. The screening committee will compare each candidate's qualifications against specific job-related evaluation criteria. A minimum rating of 70% must be attained to obtain list eligibility. All candidates will receive written notification of their examination results.

The STD. 678 may be submitted by mail or delivered in person. Applications will not be accepted via e-mail. Transcripts must be included.

**Department of Forestry and Fire Protection
Examination Unit
P.O. Box 944246
Sacramento, CA 94244-2460**

**SUBMIT IN PERSON:
Department of Forestry and Fire Protection
Examination Unit
1300 U Street Sacramento, CA 95818**

EXAMINATION FINAL FILING DATE: OCTOBER 2, 2018