

# FLN Networker No. 306: October 28, 2020

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*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](http://www.conservationgateway.org/fln).

## News from the Field

**California:** The [article](#) “**Karuk Tribe Leads Effort to Fight Racism and Climate Change With Fire**” gives good context for this fall’s **Klamath River TREX**. Due to the pandemic and the effects of wildfires on many in the community, this year’s TREX will focus on **local participants**, and will take advantage of **burn windows throughout the fall**, rather than being an intensive two-week event. Vikki Preston is quoted in the article as noting that “if we can burn throughout the entire fall, not only will we be able to protect and manage more land, but we will also be **more nimble** and able to **maximize the benefits** of burning to communities and ecosystems.”

**California:** This past weekend, the **Plumas County Cal-TREX** launched its **first weekend of training** in Quincy. Because the area was under critical red flag warning conditions, the Incident Management Team put together an interactive no-burn training weekend, offering a modified **S-219 (Firing Operations)** course in the field to 40 participants. Strict COVID-19 protocols were in place to ensure the safety of all participants. This Cal-TREX will run on **weekends through November 22**. For more, see the [public information page](#) on the Plumas County Fire Safe Council’s website.

**California:** The [article](#) “**Prescribed Burn Associations Are One Answer** to California’s Megafires” appeared in the national magazine of the **Sierra Club** last week. For more about PBAs in California, contact **Lenya Quinn-Davidson** ([lquinndavidson@ucanr.edu](mailto:lquinndavidson@ucanr.edu)).

**Montana:** **Matthew Ward** ([mward@tnc.org](mailto:mward@tnc.org)) reports a successful **prescribed burn** conducted earlier this month. More than 30 people from the **Caribou-Targhee** and **Bridger-Teton** national forests and the **BLM** (a first) were led by a USFS burn boss and a burn boss trainee from the Bridger-Teton. Fuel moistures were low (FM3!) and resulted in the best consumption they've ever had. “**Persistence** through adversity and the dedication of our federal partners, along with ideal weather conditions, enabled us to complete the **most successful prescribed fire to date** across 160 acres at the **Flat Ranch Preserve**.”

**North Carolina:** Partners in the **High Country** landscape (**Southern Blue Ridge FLN**) **met virtually** on September 30 to discuss future **prescribed fire plans and capacity during the pandemic**, as well as **public outreach** in preparation for fire season and leaf drop. (The recent [article](#) “All Wildland Fire Is Not Created Equal” received very positive feedback.) “Moving forward, we plan to continue building local capacity, expanding partnerships, and putting good fire on the landscape,” said landscape co-lead **Jonathan Hartsell** ([hartselljonathan@gmail.com](mailto:hartselljonathan@gmail.com)).

**Oregon:** Read about how **treatments** conducted through a Joint Chiefs’ project were **tested by a wildfire** this summer in the Western Region Cohesive Strategy [blog post](#) “The Rosland Road Fire: A Successful Test of an All Hands, All Lands Approach.” For more, contact **FAC Net** member **Alison Green** ([coordinator@oregonlivingwithfire.org](mailto:coordinator@oregonlivingwithfire.org)).

**Washington:** The **Cascadia TREX** went forward this fall with a more local focus, bringing together people and resources to conduct a 20-acre burn near the community of Roslyn. For details (and photos), see the *Yakima Herald* [article](#) “Prescribed Fire **Training in Roslyn Puts Emphasis on Local Efforts**.” Rainy weather closed in shortly after the burn, precluding further burning, but TREX organizers are **watching for more training opportunities** through the fall.

**Southern Blue Ridge: The Nature Conservancy** is once again assembling a **Southern Blue Ridge Fire Crew**, funded through an agreement with the U.S. Forest Service Region 8. The full crew should be hired by early November, and will have **20-30 firefighters** (and a Type 5 engine) available to **support FLN partners**. A partial crew has already been made available to begin work. See their most recent [fact sheet](#) for more about this crew and the program's history, or contact **Adam Warwick** ([awarwick@tnc.org](mailto:awarwick@tnc.org)).

**FAC Net: Annie Schmidt** ([annie@thewatershedcenter.com](mailto:annie@thewatershedcenter.com)) talked about building fire resilient communities on a recent [episode](#) of the **Living With Fire podcast**.

**TREX Coaches: Jeremy Bailey, Sasha Berleman and Bill Tripp** are among those quoted in the *Christian Science Monitor* [article](#) "**Setting 'Good Fires'** to Reduce the West's Wildfire Risk."

## Resources: Smoke / Rx Complexity / Working Online / Talking Diversity / Landscape-Level Change

**Smoke:** A new version of the NWCG **Smoke and Roadway Safety Guide** ([PMS 477](#)) has been posted.

**Rx Complexity:** An updated version of the NWCG Prescribed Fire **Summary and Complexity Analysis Worksheet** ([PMS 424-1](#)) is now available.

**Working Online:** The Goodman Center's [report](#) "Unmuted: **What Works, What Doesn't**, and How We Can All Do Better When Working Together Online" is based on interviews with 4,400 people. The results are condensed into a set of **nine takeaways**, with suggestions for **best practices** to make web meetings, webinars and webcasts more effective (and pleasant).

**Talking Diversity:** The Open Notebook has a [page](#) with links to a variety of **style guides and related resources** to help writers respectfully address **multiple dimensions of diversity**, including race, LGBTQ, disability and age.

**Landscape-Level Change:** The [latest issue](#) of *Science You Can Use* from the Rocky Mountain Research Station—"New Landscape Change Monitoring System Tool Helps Us **Understand and Visualize** Landscape-Level Changes Over Time"—highlights a new tool that relies on almost **50 years of imaging** from the Landsat Program.

## Articles & Reports: Environmental Justice / Climate Change / Learning / Wildfires, Climate & Health

**Environmental Justice:** The authors of the [article](#) "The Environmental Justice Implications of Managing Hazardous Fuels on Federal Forest Lands" used a hybrid spatial-qualitative interview approach to explore **whether the benefits of fuels treatments are equitably distributed**, particularly in light of the [1994 Executive Order 12898](#) on Environmental Justice. While they **did not find systemic or intentional failings**, they did note that the **executive order is not well incorporated** into planning processes, and suggest their methodology as a "useful alternative approach to assessing [environmental justice] impacts when neither case study nor quantitative modeling approaches alone are appropriate."

**Climate Change:** The [article](#) "Using a Vegetation **Model** and Stakeholder Input to Assess the Climate Change **Vulnerability of Tribally Important Ecosystem Services**" proposes a generalizable approach that can be used to explore and help inform resource management and adaptation planning.

**Learning:** The [article](#) “**Organizational Learning from Prescribed Fire Escapes**: a Review of Developments Over the Last 10 Years in the USA and Australia” is based on a set of reviews collected on the Wildland Fire Lessons Learned Center website and similar documents from Australia. The authors conclude that “there have been significant advances in learning, and yet more remains to be done.”

**Wildfires, Climate & Health:** The [article](#) “Wildfires, Global Climate Change, and Human Health” in the *New England Journal of Medicine* gives a **quick introduction to wildfire**, and the potential for wildfires and climate change to reinforce each other, before addressing the **broad array of health risks** associated with fires. Health impacts considered include both physical and mental health issues caused directly by wildfire, and the short- and long-term impacts from the smoke produced. The authors close with a **call to action** for health professionals.

## Grab Bag: Visualizations

**Visualizations:** How big is a **coronavirus particle compared to smoke**? And wasn't this a **smoky summer** across the U.S.? See the answers to both questions in the [piece](#) “Zooming In: Visualizing the Relative Size of Particles,” found on the site [visualcapitalist.com](#) (which looks like a fun site to browse).

## Jobs: Project Coordinator / Fire Ecologist / Prescribed Fire

**Project Coordinator:** The **Longleaf Alliance** is seeking a **Georgia Sentinel Landscape Pilot Project Coordinator** to focus on increasing prescribed fire on the landscape over a three-year project period. See the [announcement](#) for details; applications are due by **October 30**.

**Fire Ecologist:** **Los Alamos National Laboratory** is seeking a **forest health program manager/fire ecologist** to ensure that fire mitigation activities on the site best achieve wildfire mitigation while integrating forest health objectives. Details are on the [lab's careers page](#).

**Prescribed Fire:** The **Nature Conservancy** has **numerous fire positions** at various levels open in several states, including **Alabama, Georgia, Iowa, Kentucky** and **North Carolina**. Details are available at [careers.nature.org](#) (search “fire”); closing dates vary.

## Webinars

### Webinar Series new listing

#### **Fire in the Shrub Steppe**

9:00 Pacific / 10:00 Mountain / 11:00 Central / noon Eastern (1.5 hours)

This series is hosted by the Washington State FAC Learning Network. Details and registration for all five are at <https://www.fireadaptedwashington.org/learn/>

October 29 Fire Behavior and Ecology of the Shrub Steppe

November 5 Threatened and Endangered Species

November 19 Vegetation Management—Grazing and Mechanical Treatments

December 3 Vegetation Management—Invasive Species, Native Seeds and Grasses

December 17 Engaging Communities in Fire Adaptation

### November 13 new listing

#### **Introduction to Tribal Lands & Their Management**

10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern

Julie Thorstenson will be the presenter on this webinar hosted by Southern Regional Extension Forestry. It is first in a six-part series providing insights on the history of native lands and their management, from treaties to wildlife, fisheries, forestry, fire management and more. Details: <http://www.forestrywebinars.net/webinars/introduction-to-tribal-lands-their-management>

**Webinar Series**  
**new listing**

**Fire x Fauna**

11:00 Pacific / noon Mountain / 1:00 Central / 2:00 Eastern

This daily series from the U.S. Forest Service will explore the effects of wildfire and prescribed fire on wildlife in a range of geographies across the U.S. See the attached flyer for details.

Join any webinar: <https://usfs.zoomgov.com/join> using Meeting ID 161 0453 0612  
Password: 377845

November 16

Bats x Fire Across the U.S.

November 17

Birds, Biodiversity x Fire in Eastern Forests

November 18

Spotted Owls x Fire

November 19

Mammals, Birds x Fire in Western Forests

November 20

Where There's Smoke There's Fire

**November 18**  
**new listing**

**Wildfire-Driven Forest Conversion in Western North American Landscapes**

10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern

Jonathan Coop, Sean Parks and Camille Stevens-Rumann will be the presenters on the Southwest Fire Science Consortium webinar.

Details: [https://us02web.zoom.us/meeting/register/tZltf--srzqoHNAbjr7BtIMW5A\\_6qFwdDDb](https://us02web.zoom.us/meeting/register/tZltf--srzqoHNAbjr7BtIMW5A_6qFwdDDb)

**November 19**

**Pairing Historical Fire Regimes with Silviculture**

9:00 Pacific / 10:00 Mountain / 11:00 Central / noon Eastern

This is the first in the “Fueling Discussions” series of panel discussions hosted by the USFS Northern Research Station and members of the JFSP Fire Science Exchange Network. There is an opportunity to submit questions for the panel on the registration form. Details: <https://apfire.wixsite.com/fuelingcollaboration>

**November 19**  
**new listing**

**Potential Operational Delineations: On the Ground Experiences and Future Directions**

10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern

The Southwest Fire Science Consortium is hosting this discussion, by both scientists and managers, on how PODs were used in northern New Mexico, with an emphasis on their use as a planning tool, and new developments in research and applications. Register: [https://us02web.zoom.us/meeting/register/tZAofumgrzsrGNcoYSukVvo4jJ\\_uPru01Qmu](https://us02web.zoom.us/meeting/register/tZAofumgrzsrGNcoYSukVvo4jJ_uPru01Qmu)

**December 2**  
**new listing**

**Overview of Fire Weather Products for Controlled Burners**

10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern (1.5 hours)

Scott Kennedy and Corey Davis will be the presenters on the Southern Fire Exchange webinar.

Details: [https://ufl.zoom.us/webinar/register/WN\\_AoPpR0SoTp6kdQ7bl8HKbA](https://ufl.zoom.us/webinar/register/WN_AoPpR0SoTp6kdQ7bl8HKbA)

**December 17**

**Using Fire Seasonality to Open the Burn Window**

9:00 Pacific / 10:00 Mountain / 11:00 Central / noon Eastern

This is the second in the “Fueling Discussions” series of panel discussions hosted by the USFS Northern Research Station and members of the JFSP Fire Science Exchange Network. There is an opportunity to submit questions for the panel on the registration form. Details: <https://apfire.wixsite.com/fuelingcollaboration>

**January 21, 2021**

**Fire and Climate Change**

9:00 Pacific / 10:00 Mountain / 11:00 Central / noon Eastern

This is the third in the “Fueling Discussions” series of panel discussions hosted by the USFS Northern Research Station and members of the JFSP Fire Science Exchange Network. There is an opportunity to submit questions for the panel on the registration form. Details: <https://apfire.wixsite.com/fuelingcollaboration>

**February 17**  
**new listing**

**Lessons Learned From 12 Years of SBR FLN Fire Response Monitoring**

10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern

Peter Bates, Adam Coates and Don Hagan will be the presenters on this webinar hosted by the Southern Blue Ridge FLN.

Join meeting: <https://tnc.zoom.us/j/92419760724>

**February 18**

**Timber Management and Prescribed Fire**

9:00 Pacific / 10:00 Mountain / 11:00 Central / noon Eastern

This is the final installment of the “Fueling Discussions” series of panel discussions hosted by the USFS Northern Research Station and members of the JFSP Fire Science Exchange Network. There is an opportunity to submit questions for the panel on the registration form.

Details: <https://apfire.wixsite.com/fuelingcollaboration>

## Prescribed Fire Training Exchanges (TRES)

TRES coaches and coordinators are **adapting** to local standards and expectations regarding **COVID-safe practices** to offer **numerous cooperative burns** with training opportunities this fall; these events are coordinating local resources and limiting integration of personnel from afar. If you are interested in taking part in a cooperative burn in your area, reach out to **Jeremy Bailey** ([jeremy\\_bailey@tnc.org](mailto:jeremy_bailey@tnc.org)) who may be able to connect you with a burn near you.

## Conferences, Workshops, Training, Etc.

**November 2-6**

**WUI 2020 / online**

Information: <https://www.iafc.org/events/wui/>

**May 24-27, 2021**  
**new listing**

**16th International Wildland Fire Safety Summit & 6th Human Dimensions of Wildland Fire Conference / online**

Information: <https://firesafety-humandimensions2021.com/>

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## Send News, Links & Comments

**Emily Hohman** – [emily.hohman@tnc.org](mailto:emily.hohman@tnc.org) – Emily is in the office.

**Heather Montanye** – [hmontanye@tnc.org](mailto:hmontanye@tnc.org) – Heather is in the office.

**Jeremy Bailey** – [jeremy\\_bailey@tnc.org](mailto:jeremy_bailey@tnc.org) – Jeremy is in the office.

**Marek Smith** – [marek\\_smith@tnc.org](mailto:marek_smith@tnc.org) – Marek is in the office.

**Mary Huffman** – [mhuffman@tnc.org](mailto:mhuffman@tnc.org) – Mary is out November 3.

**Wendy Fulks** – [wfulks@tnc.org](mailto:wfulks@tnc.org) – Wendy is in the office.

**Liz Rank** (editor) – [lrnk@tnc.org](mailto:lrnk@tnc.org) – Liz is out October 29, November 5, 12.

Note: November 11 is a Conservancy holiday.

## Full Links

News from the Field—CA—Karuk: <https://www.dailykos.com/stories/2020/10/13/1986147/-Karuk-Tribe-leads-effort-to-fight-racism-and-climate-change-with-fire>

News from the Field—CA—Cal-TREX: <https://www.plumasfiresafe.org/trex-info.html>

News from the Field—CA—PBAs: <https://www.sierraclub.org/sierra/prescribed-burn-associations-are-one-answer-california-s-megafires>

News from the Field—NC: [https://www.wataugademocrat.com/mountaintimes/news/toe-talk-all-wildland-fire-is-not-created-equal/article\\_adfb9883-4a0e-56a5-8fa3-bc3c8626334e.html](https://www.wataugademocrat.com/mountaintimes/news/toe-talk-all-wildland-fire-is-not-created-equal/article_adfb9883-4a0e-56a5-8fa3-bc3c8626334e.html)

News from the Field—OR: <http://wildfireinthewest.org/the-rosland-road-fire-a-successful-test-of-an-all-hands-all-lands-approach/>

News from the Field—WA: [https://www.yakimaherald.com/news/local/prescribed-fire-training-in-roslyn-puts-emphasis-on-local-efforts/article\\_666294d3-139f-548e-8b06-d99ac46bde75.html](https://www.yakimaherald.com/news/local/prescribed-fire-training-in-roslyn-puts-emphasis-on-local-efforts/article_666294d3-139f-548e-8b06-d99ac46bde75.html)

News from the Field—SBR: <https://tnc.app.box.com/s/utxok7macwu8u484fot4sbjngbmv9lim>

News from the Field—FAC Net: <https://livingwithfire.simplecast.com/episodes/fire-resilience-wzQh70cO>

News from the Field—TREX Coaches: <https://www.csmonitor.com/USA/Society/2020/10/09/Setting-good-fires-to-reduce-the-West-s-wildfire-risk>

Resources—Smoke: <https://www.nwccg.gov/publications/477>

Resources—Rx complexity: <https://www.nwccg.gov/publications/424-1>

Resources—Working online: [https://www.thegoodmancenter.com/wp-content/uploads/2020/10/Unmuted\\_GoodmanCenter.pdf](https://www.thegoodmancenter.com/wp-content/uploads/2020/10/Unmuted_GoodmanCenter.pdf)

Resources—Talking diversity: <https://www.theopennotebook.com/diversity-style-guides-for-journalists/>

Resources—Landscape-level change: [https://www.fs.usda.gov/rmrs/sites/default/files/documents/SYCU\\_5\\_Landscape\\_Change\\_Monitoring\\_System\\_LCMS.pdf](https://www.fs.usda.gov/rmrs/sites/default/files/documents/SYCU_5_Landscape_Change_Monitoring_System_LCMS.pdf)

Resources—Living With Fire: <https://tnc.app.box.com/s/0d7rlc96bwtdx1f1i919zgb92jukhdia>

Articles & Reports—Environmental justice—Article: [https://www.fs.fed.us/pnw/pubs/journals/pnw\\_2020\\_adams001.pdf](https://www.fs.fed.us/pnw/pubs/journals/pnw_2020_adams001.pdf)  
EO: <https://www.epa.gov/laws-regulations/summary-executive-order-12898-federal-actions-address-environmental-justice>

Articles & Reports—Climate change: [https://www.fs.fed.us/pnw/pubs/journals/pnw\\_2020\\_case001.pdf](https://www.fs.fed.us/pnw/pubs/journals/pnw_2020_case001.pdf)

Articles & Reports—Learning: [https://www.fs.fed.us/rm/pubs\\_journals/2020/rmrs\\_2020\\_black\\_a001.pdf](https://www.fs.fed.us/rm/pubs_journals/2020/rmrs_2020_black_a001.pdf)

Articles & Reports—Wildfires, climate & health: <https://www.nejm.org/doi/10.1056/NEJMSr2028985>

Grab Bag—Visualizations: <https://www.visualcapitalist.com/visualizing-relative-size-of-particles/>

FLN Webinars—Information about upcoming FLN webinars and recordings of previous ones is at: <http://conservationgateway.org/ConservationPractices/FireLandscapes/FireLearningNetwork/NetworkProducts/Pages/webinars.aspx>

TREX—The latest application information for upcoming TREX is always listed at: <http://www.conservationgateway.org/ConservationPractices/FireLandscapes/HabitatProtectionandRestoration/Training/TrainingExchanges/Pages/Upcoming-Training-Exchanges.aspx>

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.

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United States Department of Agriculture | USFS Research & Development

# Fire x FAUNA:

Wildfire and prescribed fire effects on wildlife



*Please join us for a special upcoming webinar series presented by the  
Forest Service Research and Development*

## **FIRE x FAUNA** **Wildfire and prescribed fire effects on wildlife**

**November 16-20, 2020 @ 2-3pm EST**

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### **November 16 - Bats x fire across the US**

Prescribed fire effects on bats and bat habitat in the eastern U.S.,  
*Roger Perry, Research Wildlife Biologist*

What we know and don't know about bats' responses to wildfire and  
prescribed fire in North American forests,  
*Susan Loeb, Research Ecologist*

Bats and wildfire in the western U.S.: Why we need to know more,  
*Angela White, Research Wildlife Biologist and Ted Weller, Research Ecologist*



### **November 17 - Birds, biodiversity x fire in eastern forests**

Breeding bird response to fire and other disturbances in  
eastern hardwood forests,  
*Cathryn Greenberg, Research Ecologist*

Pine woodland restoration and prescribed fire effects on songbirds and  
nightjars in the Ozark highlands,  
*Frank Thompson, Research Wildlife Biologist*

Wildlife need fire (or fire surrogates) in the eastern United States,  
*Brice Hanberry, Research Ecologist and Frank Thompson, Research  
Wildlife Biologist*



**November 18 - Spotted owls x fire**

Quantification of wildfire severity in forests for northern spotted owls

*Damon Lesmeister, Research Wildlife Biologist*

California spotted owl responses to fire and lessons for  
fire management,

*Gavin Jones, Research Ecologist*

Mexican spotted owls and wildfire,

*Joseph Ganey, Research Wildlife Biologist; Michael Lommler, Paul Beier, and  
Jamie Sanderlin, Vertebrate Ecologist*



**November 19 - Mammals, birds x fire in western forests**

Exploring pyrodiversity and biodiversity: effects of fire on bird and  
small mammal communities of the Southwest,

*Jamie Sanderlin, Research Vertebrate Ecologist*

Effects of fire on small mammal communities of the Pacific Northwest,

*Todd Wilson, Wildlife Biologist*

Threats to California fishers: Reconciling optimal and resilient habitat,

*Craig Thompson, Research Ecologist*



**November 20 - Where there's smoke there's fire**

Cannabis cultivation and wildfires: Where there's smoke,  
there's smoke,

*Adam Cummings, Ecologist*

Wildfires ignitions, costs to wildlife, and workplace safety issues  
from illegal cannabis cultivation,

*Mourad Gabriel, Research Wildlife Biologist*

Wildland fire smoke cools rivers-Benefits for tribes and fish,

*Frank Lake, Research Ecologist*

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**CONNECTION INFORMATION**

**ZoomGov Meeting**

Meeting ID: 161 0453 0612 Password: 377845

Due to ZoomGov captioning limitation, a captioning web link will be posted at the  
beginning of each webinar



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## **ADDITIONAL DETAILS**

- These land-manager focused webinars will highlight the latest science on fire and wildlife
- Open to all - Internal and external participants welcome
- Three short thematic presentations each day followed by Q&A and discussion
- Provides continuing education credits for Certified Wildlife Biologist® Renewal/Professional Development Certificate Program

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Visit us on the web <https://www.fs.usda.gov/rmrs/>

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