

# FLN Networker No. 316: May 26, 2021

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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:** Hear **Erin Banwell** ([firemanagement@thewatershedcenter.com](mailto:firemanagement@thewatershedcenter.com)) talk about what the **Plumas TREX** was working to accomplish in an interview for the North State Public Radio [piece](#) “Learn and Burn—North State **Residents Use Prescribed Fire to Protect Communities.**”

**Colorado: Wildfire Adapted Partnership** has been working with the Durango Area Association of Realtors to provide **opportunities for realtors** to learn more about wildfire adaptation. By building these relationships, they hope realtors will be able to **share knowledge with new residents**, especially those coming from out of state who do not know what it means to live in the WUI. Earlier this year, WAP received approval from the Colorado Real Estate Commission for a **Home Ignition Zone Workshop** for continuing education credit. For Wildfire Awareness Month, WAP held this virtual course twice and received **positive feedback** from participants. For more, contact **Ashley Downing** ([adowning@wildfireadapted.org](mailto:adowning@wildfireadapted.org)).

**New Mexico: The Nature Conservancy** hosted a **panel discussion for local media** earlier this month, highlighting some of the approaches to wildland fire taken by the fire networks. Panelists included **Annie Schmidt, Collin Haffey, Elizabeth Azzuz, Kelly Martin** and **Marek Smith** ([marek\\_smith@tnc.org](mailto:marek_smith@tnc.org)). The *Santa Fe New Mexican* covered the event in the [article](#) “**Experts Urge Community Collaboration** to Prevent Catastrophic Fires.”

**New Mexico–Minnesota–Iowa:** Check out the [latest Notes from the Field](#), “Getting Started: **How One New Mexico Couple Found Fire,**” for the story of an **excellent road trip**. With a little help from **The Nature Conservancy** and the **Loess Hills Cooperative Burn Week**, there are now a couple more burners in the Sacramento Mountains of New Mexico.

**Texas:** The *Texas Observer* [article](#) “How the **Alabama-Coushatta Use Fire to Save the Longleaf Pine**” talks about the fire work of this tribe that recently joined the **IPBN**.

**Washington:** Read about the first **Northeast Washington TREX**, now in progress, in the [blog post](#) “Innovative Prescribed Fire Training Comes to **NE Washington for First Time**” from The Nature Conservancy’s Washington chapter. The **Washington DNR** also has a **video** from the TREX on its [Facebook page](#).

**IPBN: Mary Huffman** ([mhuffman@tnc.org](mailto:mhuffman@tnc.org)) spoke about the **Indigenous Peoples Burning Network** and an **upcoming virtual event** (see the June 10 event under Webinars) during an [interview](#) with KRQE in Albuquerque.

**WTREX:** The **film “Anchor Point” premiered this March**. According to the [trailer](#), it “looks hopefully to a future in which women in which the culture of wildland firefighting provides women with an equal and safe seat at the table—a future built though the determination of Kelly [Martin], Lacey [England] and the women of **WTREX**. Read more at the [film’s website](#).”

## Funding: Conservation Innovation Grants

**Conservation Innovation Grants:** The **USDA NRCS** will invest in the development of new tools, approaches, practices and technologies to **further conservation on private lands** through the CIG program. This year's focus is on **climate-smart strategies** for water resources, soil health (carbon sequestration and climate resilience), nutrient management, grazing lands conservation and strategies to increase conservation adoption. See the [news release](#) and [grant synopsis page](#) for more; applications are due by **July 19**.

## Resources: Fire Adapted Communities / Burn Severity / Reading / Post-Pandemic / Burnout

**Fire Adapted Communities:** A few years ago, the **Fire Adapted Communities Learning Network** created a graphic to help explain **“fire adapted communities” as a concept encompassing a wide variety of activities**, rather than a static state or a checklist to be accomplished. This tool has now been updated to include two additional categories of actions (Prevention and Infrastructure & Business), and the FAC Net **blog archive** has been **organized around the 10 categories**. Read more in a [blog post](#) introducing the [new version](#) of the graphic.

**Burn Severity:** The new **Burn Severity Data Portal** [website](#) hosted by the **USDA Forest Service** and **USGS** has links to a half dozen data sources, from Burned Area Emergency Response (BAER) to Rapid Assessment of Vegetation Condition After Wildfire (RAVG).

**Reading:** Having trouble focusing on that article? Go ahead and **print out important things** you need to read. And check out the [piece](#) “Why **We Remember More** by Reading—Especially Print—Than From Audio or Video.”

**Post-Pandemic:** The NPR Consider This [podcast episode](#) “How to 'Human' Again: **Advice for the Long Transition** to Post-Pandemic Life” addresses some of the **tricky social issues** we'll be facing as things get “normal” again.

**Burnout:** How are you doing, really? You may want to read latest FAC Net [blog post](#) from **Annie Schmidt**, **“It's Not Just You: Burnout and Stress in the Practitioner Community.”**

## Articles & Reports: Fire Refugia / Novel Ecosystems / Pyrosilviculture / Ecological Models / Evacuation Vulnerability / Long-Range Smoke / Indigenous Fire

**Fire Refugia:** The authors of the [article](#) **“Where and Why** Do Conifer Forests Persist in Refugia Through Multiple Fire Events?” identified some factors that promote the occurrence of fire refugia in the **Klamath Siskiyou** ecoregion.

**Novel Ecosystems:** “The idea of fundamentally static ecosystems is baked into many of the societal, cultural and intellectual beliefs of modern western democracies.” Climate change, land use changes and invasive species upset that assumption. The [article](#) “Adapting Research, Management, and Governance to Confront Socioecological Uncertainties in Novel Ecosystems” explores **how land management processes could change** as “restoration” is no longer an option, so that the goal becomes **to shift ecological trajectories** in beneficial or acceptable ways.

**Pyrosilviculture:** The authors of the [paper](#) “Pyrosilviculture Needed for Landscape Resilience of Dry Western United States Forests” argue for **better integration of silvicultural thinning and fire** to support landscape resilience and reduce forest loss to type conversion.

**Ecological Models:** The [paper](#) “Vegetation Dynamics Models: A Comprehensive Set for Natural Resource Assessment and Planning in the United States” describes a comprehensive set of ecological models that establish the first complete **quantitative baseline for measuring vegetation conditions and fire regimes** in the U.S. Results of these models are used to create the **LANDFIRE** fire frequency, fire severity, fire regime group and vegetation condition class maps. For more information contact [landfire@tnc.org](mailto:landfire@tnc.org).

**Evacuation Vulnerability:** The [article](#) “Evaluating Rural **Pacific Northwest** Towns for Wildfire Evacuation Vulnerability” looks at four aspects of **road networks** and two aspects of **fire hazard** to make a **first-pass assessment** of the vulnerability of about 700 towns to evacuation difficulties. An interactive map is also available.

**Long-Range Smoke:** The *GeoHealth* [article](#) “Differential Cardiopulmonary Health Impacts of Local and Long-Range Transport of Wildfire Smoke” is summarized in the *Science Daily* [piece](#) “Researchers See **Need for Warnings About Long-Range Wildfire Smoke**.” Smoke from distant fires was found to be more strongly correlated with hospitalizations than smoke from local fires. Advisories in the news about local fires that **encourage people to protect themselves** may account for this pattern.

**Indigenous Fire:** The **Northern Rockies Fire Science Network** has collected links to **podcasts, papers, videos, webinars** and more in its “Hot Topic: Fire & Traditional Knowledge” [document](#).

## In the News: Prescribed Fire Bill

**Prescribed Fire Bill:** A bipartisan group of seven senators and representatives have introduced the **National Prescribed Fire Act of 2021**, which would **establish new funding accounts** at both the U.S. Forest Service and Department of the Interior, **provide incentives** to conduct prescribed burns, and establish a **workforce development** program. For more, see the [press release](#) from The Nature Conservancy or visit [the bill’s page at Congress.gov](#).

## Jobs: Fire Program Director / Restoration Crew / Fire Training Instructor

**Fire Program Director:** The North Carolina chapter of **The Nature Conservancy** is seeking a **fire program director** who will, among other things, “play a guiding role in the **Southern Blue Ridge Fire Learning Network** and represent TNC on the NC Prescribed Fire Council, the NC Fire Environment Committee, and TNC’s Fire Management Advisory team.” See the Conservancy’s careers page ([job ID 49771](#)) for details; applications are due by **May 26**. Current employees should apply through [PeopleSoft](#).

**Restoration Crew:** The Arkansas chapter of **The Nature Conservancy** is seeking a **Big Piney restoration crew manager** (FFT1) and **restoration technicians** (FFT2). Details are on the Conservancy’s careers page ([job ID 49773](#); [job ID 49776](#)). Current employees should apply through PeopleSoft ([crew manager](#); [restoration technician](#)).

**Fire Training Instructor:** **The Ember Alliance** is seeking a **call-when-needed wildland fire training instructor** with strong experience in conducting wildland fire training events, with a particular focus on 100-200-level courses and saw training. See the [position posting](#) for details.

## Webinars

**May 19**

**recording available**

### **Did Your Prescribed Burn Meet Your Goals and Objectives?**

McRee Anderson, Beth Buchanan, Gabe De Jong and Virginia McDaniel spoke about developing a first order fire effects monitoring protocol in this South Central FLN webinar. Recording: <https://tnc.box.com/s/wb0ymisp9gx41ltryf2sctfcnc3yowgpr>

**May 26**  
**new listing**

**The West is Burning: Film Screening and Panel Discussion**

6:00 pm Pacific / 7:00 pm Mountain / 7:00 pm Central / 9:00 pm Eastern (2 hrs)  
The Southern Oregon Forest Restoration Collaborative is hosting this evening film screening followed by a discussion with panelists Chris Chambers, Darren Borgias, Marko Bey and Terry Fairbanks.

Register: [https://zoom.us/webinar/register/WN\\_iVMXJtZXQ2CreiPqI2IRrQ](https://zoom.us/webinar/register/WN_iVMXJtZXQ2CreiPqI2IRrQ)

**June 2, 9, 16**  
**new listing**

**State-and-Transition-Modeling in Real Life: A 3-Part Miniseries**

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

Kori Blankenship, Leonardo Frid and Randy Swaty will be the presenters in a look at state-and-transition-simulation-models, using LANDFIRE BpS models as a launching point for inquiry about ecosystem change over time.

Register:

<http://www.conservationgateway.org/ConservationPractices/FireLandscapes/LANDFIRE/products/Pages/models-data.aspx>

**June 10**  
**new listing**

**Revitalizing Cultural Burning Practices in New Mexico and Beyond**

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

Margo Robbins and Rene Romero will be the speakers on this webinar hosted by TNC-NM that highlights the longstanding relationship between American Indian cultures and fire, fire-related challenges faced by Indigenous communities, and ways in which partners and TNC are supporting American Indian communities' efforts to revitalize their traditional cultures in today's context.

Register: <https://www.nature.org/en-us/get-involved/how-to-help/volunteer-and-attend-events/find-local-events-and-opportunities/new-mexico-cultural-burning-practices/>

## Prescribed Fire Training Exchanges (TREX)

**April 19-May 31**

**Northeast Washington TREX** (on call during this time as burn units are available)

This TREX is in progress.

**Oct. 18–Nov. 1**

**Flagstaff TREX / Flagstaff, AZ**

See the [announcement](#) for details about this TREX hosted by the Flagstaff Fire Department and Summit Fire and Medical District; applications are due by July 16.

**Oct. 25–Nov. 5**

**Southern Blue Ridge TREX / North Carolina, South Carolina**

Save the date—details will be posted at <https://apfire.wixsite.com/sbtrrex>.

## Conferences, Workshops, Training, Etc.

**May 27**

**LANDFIRE Informal Office Hours: MoD-FIS / online**

Office hours take place the last Thursday of each month at 1:00 pm Eastern. A brief presentation on [MoD-FIS](#) will be followed by at least 40 minutes for you to dig into your LANDFIRE-related questions. (You can also email [meg.dettenmaier@tnc.org](mailto:meg.dettenmaier@tnc.org) with suggestions for upcoming topics.)

Register (same link every month):

<https://tnc.zoom.us/meeting/register/tJEtfuCuqjSpHd3pQiLhcBd5292-mHV9cbA9>

**June 1**

**Oregon Prescribed Fire Council Annual Meeting / online**

Part 4 of the four-part meeting will address legislative issues.

Information: details are in the flyer attached at the end of [Networker #313](#).

- June 3 updated** **North Georgia Prescribed Fire Council / online**  
Register: [https://nwf-org.zoom.us/webinar/register/WN\\_eHpb6AqiR2KrI0yVGz\\_ZHg](https://nwf-org.zoom.us/webinar/register/WN_eHpb6AqiR2KrI0yVGz_ZHg)
- June 7-11 new listing** **Rx-341 & Rx-301 Prescribed Fire Preparation & Implementation / online**  
This blended self-paced asynchronous and virtual instructor-led training is hosted by The Ember Alliance. Both courses are combined in a one-week compressed schedule. See the attached flyer for details.
- June 21-25 new listing** **Rx-410 Smoke Management Techniques / online**  
This virtual training—a blend of self-paced and instructor-led—is hosted by The Ember Alliance. See the attached flyer for details.
- August 18-19** **North Carolina Prescribed Fire Council Annual Meeting / Morganton, NC**  
Save the date for the meeting on August 18 and field tour on August 19.
- September 21-23** **Colorado Wildland Fire Conference: Resilient Colorado—Moving Forward in Evolving Wildfire Landscapes / Grand Junction, CO**  
Information: <https://www.wildfire-colorado.com/>
- September 21-23** **Great Plains Fire Summit & Nebraska Prescribed Fire Conference / North Platte, NE**  
Information: <https://www.eventbrite.com/e/great-plains-fire-summit9th-annual-nebraska-prescribed-fire-conference-registration-92767210223>
- October 4-8 deadline** **4th National Cohesive Wildland Fire Management Strategy Workshop / Asheville, NC**  
Proposals for workshop sessions or interactive presentations are due by June 1.  
Information: <https://www.iawfonline.org/event/4th-annual-national-cohesive-wildland-fire-management-strategy-workshop/>
- November 3-7** **Society of American Foresters National Convention / Sacramento, CA**  
SAF is soliciting submissions for science flashes and posters (deadline August 31).  
Information: <https://eforester.org/safconvention/>
- Nov. 30-Dec. 4** **9th International Fire Ecology and Management Congress / online and Miramar Beach, FL**  
The theme this year is “Life with Fire: Prescriptions for Resilience.” A [call for proposals](#), for various formats, is open; proposals for special sessions and workshops, trainings and courses are due June 15.  
Information: <http://afefirecongress.org/>

## 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 out June 3-4.

**Mary Huffman** – [mhuffman@tnc.org](mailto:mhuffman@tnc.org) – Mary is in Denver June 3-4.

**Wendy Fulks** – [wfulks@tnc.org](mailto:wfulks@tnc.org) – Wendy is out May 31-June 7.

**Liz Rank** (editor) – [lrnk@tnc.org](mailto:lrnk@tnc.org) – Liz is out May 27, June 3, 10.

Note: May 31 is a Conservancy holiday.

## Full Links

News from the Field—CA: <https://www.mynspr.org/news/2021-04-28/learn-and-burn-north-state-residents-use-prescribed-fire-to-protect-communities>

News from the Field—NM: [https://www.santafenewmexican.com/news/local\\_news/experts-urge-community-collaboration-to-prevent-catastrophic-fires/article\\_46c9686a-ace2-11eb-b580-77b49021a207.html](https://www.santafenewmexican.com/news/local_news/experts-urge-community-collaboration-to-prevent-catastrophic-fires/article_46c9686a-ace2-11eb-b580-77b49021a207.html)

News from the Field—NM-MN-IA: <https://www.conservationgateway.org/ConservationPractices/FireLandscapes/FireLearningNetwork/USFLNPublications/Documents/169-NotesFromTheField-Kugler-Jacobs-2021.pdf>

News from the Field—WA—Blog post: <https://www.washingtonnature.org/fieldnotes/2021/5/10/innovative-prescribed-fire-training-comes-to-ne-washington-for-first-time>  
DNR video: <https://www.facebook.com/273352136518/videos/754188831935754>

News from the Field—IPBN: <https://www.krqe.com/news/albuquerque-metro/the-nature-conservancy-hosting-virtual-event/>

News from the Field—WTREX—Film trailer: <https://vimeo.com/511407728>  
Website: <https://www.anchorpointfilm.com/thestory>

Funding—Conservation Innovation Grants—News release: <https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/newsroom/releases/?cid=nrcseprd1778431>  
Grants page: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=333631>

Resources—Fire adapted communities—Blog post: <https://fireadaptednetwork.org/new-fac-graphic-website-more-expanding-what-it-means-to-be-fire-adapted/>  
Graphic: <https://fireadaptednetwork.org/resource/fire-adapted-communities-graphic-and-facilitators-guide/>

Resources—Burn severity: <https://burnseverity.cr.usgs.gov/>

Resources—Reading: <https://theconversation.com/why-we-remember-more-by-reading-especially-print-than-from-audio-or-video-159522>

Resources—Post-pandemic: <https://www.npr.org/2021/05/10/995443897/how-to-human-again-advice-for-the-long-transition-to-post-pandemic-life>

Resources—Burnout: <https://fireadaptednetwork.org/burnout-and-stress-in-the-practitioner-community/>

Articles & Reports—Fire refugia: <https://www.fs.usda.gov/treearch/pubs/62466>

Articles & Reports—Novel ecosystems: [https://www.fs.fed.us/rm/pubs\\_journals/2021/rmrs\\_2021\\_mckelvey\\_k001.pdf](https://www.fs.fed.us/rm/pubs_journals/2021/rmrs_2021_mckelvey_k001.pdf)

Articles & Reports—Pyrosilviculture: <https://academic.oup.com/jof/advance-article/doi/10.1093/jofore/fvab026/6279705>

Articles & Reports—Ecological models: <https://esajournals.onlinelibrary.wiley.com/doi/full/10.1002/ecs2.3484>

Articles & Reports—Evacuation vulnerability—Article: [https://www.fs.fed.us/pnw/pubs/journals/pnw\\_2021\\_dye001.pdf](https://www.fs.fed.us/pnw/pubs/journals/pnw_2021_dye001.pdf)  
Map: <https://www.fs.fed.us/wwetac/brief/evacuation.php>

Articles & Reports—Long-range smoke—*GeoHealth*: <https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2020GH000330>  
*Science Daily*: <https://www.sciencedaily.com/releases/2021/03/210309153836.htm>

Articles & Reports—Indigenous fire: [https://static.pheedloop.com/media/events/EVEHBXSWCLZSH/files/691348\\_Hot%20Topic%20TK.pdf](https://static.pheedloop.com/media/events/EVEHBXSWCLZSH/files/691348_Hot%20Topic%20TK.pdf)

In the News—Prescribed fire bill—Press release: <https://www.nature.org/en-us/newsroom/prescribed-fire-bill-proposed/>  
Congress.gov: <https://www.congress.gov/bill/116th-congress/senate-bill/4625>

FLN Webinars—Information about upcoming FLN webinars and recordings of previous ones can be found 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>

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