

# FLN Networker No. 312: March 3, 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

**Colorado (and beyond):** The **Forest Stewards Guild** is supporting the launch of a new, separate non-profit, **The Ember Alliance**, that will focus on **bringing good fire back to fire adapted ecosystems**. For more about the Guild's forest management and the new organization, check out the [FAQ document](#).

**Pacific Northwest:** Numerous members of the Fire Networks—including those heading **prescribed fire councils** in Washington, Oregon and Northern California—were interviewed for the [article](#) “Burning California to Save it: Why One Solution to Raging Wildfires Can't Gain Traction” in the *Sacramento Bee*.

## Challenge: Air Cleaner

**Air Cleaner:** In partnership with 10 federal, state, tribal and local organizations, the **Environmental Protection Agency** has set a **Cleaner Indoor Air During Wildfires Challenge**. The challenge is intended to spur “the **development of new approaches**, technologies, or technology combinations” that will reliably and inexpensively reduce indoor particulate pollution from wildfire smoke. (Note: box fan + filter is not considered “new.”) For more, see the [announcement](#) or [register](#) for the launch webinar on **March 4** (11:00 am Eastern). Submissions are due by **May 17**.

## Resources: Drones / Zoom Fatigue / Evacuation & COVID / Preparedness Day

**Drones:** Oklahoma State Cooperative Extension has released a new [fact sheet](#), “Using Drones with **Infrared Capabilities to Monitor Fire Behavior**.” It includes tips for using UAVs on prescribed burns, as well as some information on licensing and legal issues.

**Zoom Fatigue:** The [article](#) “**Nonverbal Overload: A Theoretical Argument for the Causes of Zoom Fatigue**” in *Technology, Mind, and Behavior* is written in pretty plain English. **Adjustments you can make to reduce fatigue**—turn off the view of yourself!—suggest themselves pretty easily.

**Evacuation & COVID:** The **Societal Experts Action Network** of the National Academies of Science has developed a guidance [document](#), “**Emergency Evacuation and Sheltering** During the COVID-19 Pandemic,” based on research on evacuation behavior, social responses to disaster, and risk communication.

**Preparedness Day:** A [toolkit](#) for **project planning** for **Wildfire Community Preparedness Day** in May is available from NFPA. Projects this year fall under a theme of “Check, Clear, Communicate.”

## Articles & Reports: Smoke / Cultural Burning / JEDI / Land Use Planning

**Smoke:** The **Northwest Fire Science Consortium** and **University of Oregon Ecosystem Workforce Program** have published “**Perceptions of Wildland Fire Smoke: Literature Review and Synthesis**.” The publication is organized around five themes: public concern, influences on individual acceptance, manager perceptions, communication needs and economic impacts.

**Cultural Burning:** The [article](#) “**Revitalized Karuk and Yurok Cultural Burning** to Enhance California Hazelnut for Basketweaving in Northwestern California, USA” documented the beneficial effects of increased burning on this cultural resource. Much of the prescribed burning in the study area was conducted through **TREX**, which have been conducted on Yurok lands since 2013.

See also the *Fire Management Today* [article](#) “**Indigenous Fire Stewardship: Federal/Tribal Partnerships for Wildland Fire Research and Management**” for a **good overview** of the subject.

**JEDI:** The Conservation Measures Partnership, Foundations of Success and Lacy Consulting Services collaborated to assess how conservation organizations around the world are incorporating **justice, equity, diversity and inclusion** (JEDI) into **conservation planning and implementation**. The [report](#) “Conservation Standards: Justice, Equity, Diversity, and Inclusion Approaches” documents their findings, as well as some **recommendations**.

**Land Use Planning:** The Community Wildfire Planning Center has released the [report](#) “Land Use Planning **Approaches in the Wildland-Urban Interface: An Analysis of Four Western States:** California, Colorado, Montana, and Washington.” The report focuses on the analysis of “effective land use policy and regulatory solutions in the wildland-urban interface” as a key aspect of **community fire adaptation**.

## In the News: Scrap Wood / Congressional Caucus

**Scrap Wood:** The *Coloradoan* [article](#) “How Scrap Wood Startups Could Help Colorado Fight Wildfires” looks at some of the **businesses making use of small diameter and damaged timber** from fuel reduction work in the state.

**Congressional Caucus:** Rep. Joe Neguse (D-CO) and Rep. John Curtis (R-UT) have **launched a new Bipartisan Wildfire Caucus** to raise “awareness and bipartisan consensus around wildfire management and mitigation, environmental and community protections, public health and safety, and wildfire preparedness and recovery.” Read more in [Utah Policy](#) or [Wildfire Today](#).

## For Fun: Fire Trivia Game

**Fire Trivia Game:** The **Association for Fire Ecology** is hosting an **interactive trivia webinar**—pick a team to help out through nine categories of questions. The game starts on **March 12** at 4:00 pm Eastern ([details and registration](#)).

## Jobs: GIS / Burn Crew / FFT2 / Project Coordinator / Program Manager

**GIS:** The **Colorado State Forest Service** is filling a **geospatial data and analysis program manager** position in its Science and Data Division. Details are on the Colorado State University jobs page ([posting 84088](#)); applications are due by **March 8**.

**Burn Crew:** The **Nature Conservancy** is filling **crew member** and **crew manager** positions for its seasonal **North Carolina Coastal Burn Crew**. Details are on the Conservancy’s careers page ([job ID 49414](#) and [job ID 49429](#)); crew member applications are due by **March 16** and crew manager applications by **March 17**. Current employees should apply through PeopleSoft ([crew member](#), [crew manager](#)).

**FFT2:** The **Ecostudies Institute** is hiring two seasonal **prescribed fire technicians** to support its work on the maintenance and restoration of prairie sites in the South Puget Sound region of Washington. Details are in the attached position description; applications are due by **March 19**.

**Project Coordinator:** The **Forest Stewards Guild** is seeking a **Southwest region project coordinator**, to be based in its Santa Fe office. See the [job description](#) for details; applications are due by **March 25**.

**Program Manager:** **Sustainable Northwest** is seeking a **public forestlands program associate or manager** (depending on experience) to lead initiatives related to federal forest management, forest collaboration and tribal engagement across **Washington and Oregon**. Details are in the [job posting](#).

## Webinars

**recording available** **Bringing Fire and Postfire Response Into Alignment**

Anne Bradley is among the panelists on this February 10 webinar from the Southwest Fire Science Consortium and Burned Area Learning Network.

Recording: <https://www.youtube.com/watch?v=vmcnp3vwjRU>

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

Peter Bates, Adam Coates and Don Hagan were the presenters on this February 17 webinar hosted by the **Southern Blue Ridge FLN**.

Recording: <https://tnc.app.box.com/s/6iyksl6mnym86qm5nfa316cvlf92xs4e>

**March 3**

**Ecological Drought: Drought, Wildfire and Recovery**

1:00 Pacific / 2:00 Mountain / 3:00 Central / 4:00 Eastern

Jeremy Littell and Bill Tripp will be the presenters on this webinar from NOAA and USGS.

Register: <https://register.gotowebinar.com/register/7028902270906768655>

**March 4**

**new listing**

**Native American Fire Management at an Ancient Wildland-Urban Interface**

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

Chris Roos, Chris Toya and John Galvan will be the presenters on this

Southwest Fire Science Consortium webinar. Register: <https://us02web.zoom.us/meeting/register/tZAsd-qrrzwjE9TFwcpOLYMclzRaEnnPI-v9>

**March 10**

**new listing**

**Cross Boundary Fire Risk Mitigation: Moving From Parcel Risk Assessments to Building Fire Adapted Communities**

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

Jon Riley, Patty Champ and Hannah Brenkert-Smith will be the presenters on this Science You Can Use webinar.

Register: <https://www.nrfirescience.org/event/cross-boundary-fire-risk-mitigation-webinar-series-moving-parcel-risk-assessments-building>

**March 24**

**new listing**

**Cross Boundary Fire Risk Mitigation: Designing Suitable Pathways to Wildfire Adaptation in and Around Communities—One Size Does Not Fit All**

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

Travis Paveglio and Catrin Edgeley will be the presenters on this Science You Can Use webinar.

Register: <https://www.nrfirescience.org/event/cross-boundary-fire-risk-mitigation-webinar-series-designing-suitable-pathways-wildfire>

**April 1**

**Building Effective Partnerships With Indigenous Communities**

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

James Rattling Leaf, Sr. will be the presenter on this webinar from the Conservation Biology Institute and the Society for Conservation GIS.

Register: [https://zoom.us/webinar/register/WN\\_Tzb0tQ5oTPKK00PVLGe4fA](https://zoom.us/webinar/register/WN_Tzb0tQ5oTPKK00PVLGe4fA)

## Network Workshops & Field Tours

**May 18 & 20**  
**new listing**

### **Southern Blue Ridge FLN / online**

Save the date for the (virtual) meeting of this regional network (9:00-11:30 EST). Participants will learn about starting a burn program in a landscape, and about a road map to get more fire on the ground. Established burn programs will also share what has worked well (or not) and discuss firing techniques, smoke and fire effects.

## Prescribed Fire Training Exchanges (TREX)

**March 21-April 3**

### **Loup River TREX / Central Nebraska**

The application deadline for this TREX has passed.

**Oct. 25–Nov. 5**

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

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

## Conferences, Workshops, Training, Etc.

**January–June**

### **NWCG Trainings / North Coast region, CA**

The Karuk Tribe is inviting tribes, interested members of the public, and non-governmental organizations in the North Coast region to participate in a variety of trainings as part of its Regional Forest & Fire Capacity demonstration project, “Burning Across Boundaries.” For details, see the flyer attached to [issue #310](#).

**March 8**  
**new listing**

### **Colorado Prescribed Fire Council Annual Meeting / online**

The council will have a morning of sessions about recent burning in the state, a fire weather outlook and a report out on prescribed fire operations and COVID-19. Register: <https://www.eventbrite.com/e/colorado-prescribed-fire-council-virtual-meeting-tickets-138299578763>

**March 10**

### **Washington Prescribed Fire Council Annual Meeting / online**

This virtual workshop will address the council’s strategic plan and priorities, smoke management and health, the state’s certified burn manager program and a report on community cooperative burning at the 2020 Cascadia TREX. Register:

<https://zoom.us/meeting/register/tJlkcGvrj8iHdGQp1T68hmBmCoEU0LWhoJ3>

**March 25**  
**new listing**

### **LANDFIRE Informal Office Hours: LANDFIRE and "Capable Fuels" / online**

Office hours take place the last Thursday of each month at 4:00 pm Eastern. A brief presentation is 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>

**April (dates TBA)**

### **RX310: Introduction to Fire Effects / online**

This online course offered by the University of Idaho will include two virtual class meetings, self-study assignments and a final assessment.

Details: [https://mcusercontent.com/cf44b367da9a45b27e51b8b3f/files/beeef994-e5b2-4387-926f-b937d69b1e37/RX310 Announcement U of I.03.pdf](https://mcusercontent.com/cf44b367da9a45b27e51b8b3f/files/beeef994-e5b2-4387-926f-b937d69b1e37/RX310%20Announcement%20U%20of%20I.03.pdf)

**April 6-8**  
**new listing**

### **Fire in Minnesota Ecosystems: Fire in Boreal Forests / online**

Details: <https://mailchi.mp/97bfec9b01df/fire-in-minnesota-ecosystems-workshop-2021-fire-in-boreal-forests?e=a8d4d11e1f>

- April 6-8**  
**new listing**      **Southwest Adaptation Forum / online**  
Space is limited; apply by March 17.  
Details: <https://www.swaf2021.org/>
- May 1**      **Wildfire Community Preparedness Day / everywhere**  
Information: <https://www.nfpa.org/Public-Education/Fire-causes-and-risks/Wildfire/National-Wildfire-Community-Preparedness-Day>
- May 24-27**      **16th International Wildland Fire Safety Summit & 6th Human Dimensions of Wildland Fire Conference / online**  
Information: <https://firesafety-humandimensions2021.com/>
- June 3**      **North Georgia Prescribed Fire Council / online**  
Save the date, and sign up to receive details as they become available.  
Information: <http://www.garxfire.com/events.htm>
- September 21-23**      **Colorado Wildland Fire Conference: Resilient Colorado: Moving Forward in Evolving Wildfire Landscapes / Grand Junction, CO**  
Presentation proposals are being accepted through March 5 ([submission form](#)).
- October 4-8**      **4th National Cohesive Wildland Fire Management Strategy Workshop / Asheville, NC**  
Information: <https://www.iawfonline.org/event/4th-annual-national-cohesive-wildland-fire-management-strategy-workshop/>
- Nov. 30-Dec. 4**      **9th International Fire Ecology and Management Congress / online and Miramar Beach, FL**  
Information: <http://afefirecongress.org/>

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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 out March 12.

**Mary Huffman** – [mhuffman@tnc.org](mailto:mhuffman@tnc.org) – Mary is in the office.

**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 March 11 and 18.

## Full Links

News from the Field—CO: [https://foreststewardsguild.org/wp-content/uploads/2021/02/FAQ\\_GuildFireManagement2021.pdf](https://foreststewardsguild.org/wp-content/uploads/2021/02/FAQ_GuildFireManagement2021.pdf)

Challenge—Air cleaner—Announcement: <https://www.epa.gov/air-research/cleaner-indoor-air-during-wildfires-challenge>

Webinar: <https://www.epa.gov/air-research/challenge-launch-webinar-cleaner-indoor-air-during-wildfires>

Resources—Drones: <http://pods.dasnr.okstate.edu/docushare/dsweb/Get/Document-12148/NREM-2907web.pdf>

Resources—Zoom fatigue: <https://tmb.apaopen.org/pub/nonverbal-overload/release/1>

Resources—Evacuation & COVID: <https://www.nap.edu/resource/26084/interactive/>

Resources—Preparedness Day: <https://www.nfpa.org/-/media/Files/Public-Education/Campaigns/Preparedness-Day/2021/2021PrepDayToolkit.ashx>

Resources—RT-130: <https://www.tncfiremanual.org/RT130.html>

Articles & Reports—Cultural burning—*Fire Ecology*: <https://fireecology.springeropen.com/articles/10.1186/s42408-021-00092-6>  
*Fire Management Today*: [https://www.fs.usda.gov/sites/default/files/fire-management-today/00313%20FS%20Pubs%20FMT%2078%283%29\\_final%20508\\_c.pdf#page=30](https://www.fs.usda.gov/sites/default/files/fire-management-today/00313%20FS%20Pubs%20FMT%2078%283%29_final%20508_c.pdf#page=30)

Articles & Reports—JEDI: [https://drive.google.com/file/d/11\\_pT3UEYcSXdyFSKByeCnGgSJiHS6tws/view](https://drive.google.com/file/d/11_pT3UEYcSXdyFSKByeCnGgSJiHS6tws/view)

Articles & Reports—Land use planning: [https://www.communitywildfire.org/wp-content/uploads/2021/02/CWPC\\_Land-Use-WUI-Report\\_Final\\_2021.pdf](https://www.communitywildfire.org/wp-content/uploads/2021/02/CWPC_Land-Use-WUI-Report_Final_2021.pdf)

Articles & Reports—Smoke: [http://ewp.uoregon.edu/sites/ewp.uoregon.edu/files/WP\\_103.pdf](http://ewp.uoregon.edu/sites/ewp.uoregon.edu/files/WP_103.pdf)

In the News—Scrap wood: <https://www.coloradoan.com/story/news/2021/02/04/colorado-wildfire-prevention-scrap-wood-startups-could-help/4380955001/>

In the News—Congressional caucus—*Utah Policy*: <https://utahpolicy.com/index.php/features/featured-articles/26343-curtis-neguse-launch-bipartisan-wildfire-caucus-introduce-legislation>  
*Wildfire Today*: <https://wildfiretoday.com/2020/12/19/congressional-bipartisan-wildfire-caucus-to-be-launched-in-january/>

For Fun—Fire trivia game: <https://fireecology.org/calendar-entries/fe-trivia>

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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### **Prescribed Fire Technician**

Reports to: Joint Base Lewis McChord Program Manager  
Location: Olympia, Washington  
Type: Temporary/Seasonal Full-time  
Non-Exempt  
Compensation: \$15.00 - \$17.00 hourly – DOE; with benefits  
Period: Seasonal, Estimated April 19 through October 15, 2021

#### **Overview Summary:**

The Prescribed Fire Technician will work with a team in the maintenance and restoration of prairie sites in the South Puget Sound region of Washington, with a focus on Joint Base Lewis-McChord (JBLM). This position will primarily support our cooperative prescribed fire program with burn unit preparations, equipment maintenance and rehabilitation and prescribed fire operations. Prescribed fire skills are desirable, but not required for this position. This position may also support wildfire operations on base for training or monitoring purposes. Other duties may include participation in our habitat restoration and invasive species management at JBLM and in the region.

The position entails regular strenuous physical activity and occasional operation of heavy equipment. Most of the work will be conducted on an active military base and work projects are safely adjacent to military training exercises and small and large munitions.

We are looking for someone with a solid team-oriented work ethic, interpersonal skills who can maintain a positive attitude during long field days. This position will regularly interact with other staff, partners and volunteers and maintenance of positive relationships is important. The Technician must also be able to work independently, completing substantial tasks without direct supervision or through the supervision of conservation partners, including federal and state agency personnel, such as the WA Dept. of Natural Resources, WA Dept. of Fish and Wildlife, and Joint Base Lewis McChord. The South Sound Prairie Program is science-based and the Technician will be required to document and appropriately file relevant data on a regular basis.

#### **RESPONSIBILITIES:**

- Participate on controlled burns. Achieve and maintain qualification as Firefighter Type 2 under NWCG guidelines. May work towards advanced qualifications such as Firefighter Type 1.
- Work with personnel, volunteers, partners and equipment and other resources to successfully complete fire line and burn unit preparation projects.
- Support efforts to control invasive plant species
- Operate equipment such as tractor with rotary brush cutter, engine powered chipper/shredder, chain saws, hand-operated gas-powered brush cutters and other heavy and light equipment.
- Work collaboratively with resource agencies, consultants, and other conservation organizations.
- Assist with other natural resource management operations as requested including tree planting, herbicide application and controlled burning activities. Must obtain appropriate Washington State pesticide license and firefighting certification.
- Conduct quantitative monitoring of pest and native species under the guidance of Prairie Restoration Team members and partner's scientists.

- Fulfill other duties as assigned.
- Work with personnel, equipment and other resources to successfully complete prairie restoration projects
- Regularly update and access relevant field information with database that will inform management planning, communicate accomplishments and facilitate efficient and effective field work. This requires use of online GIS and database management software.

#### **REQUIREMENTS:**

- Ability to operate various types of equipment in a safe and efficient manner (e.g.; brush cutters, chainsaw, tractor, two-way radio, etc.)
- Ability to follow instructions from colleagues
- One year of work or personal experience conducting physical work in an outdoor setting (natural resources, ecological restoration, agriculture, trail maintenance, etc.) Completion of or progress towards BA/BS/AS/Technical or vocational degree in science-related field desirable but not required.
- Knowledge of native systems and ecological land management principles and the ability to learn and recognize plant and animal species is desirable.
- Ability to manage time and diverse activities under deadlines while delivering quality results
- Ability to perform physical work, sometimes under adverse conditions or in inclement weather
- Obtain related licenses or certifications such as first aid, CPR, herbicide application, driver's license, Firefighter Type II qualification.
- Working knowledge of common software applications (e.g.; Word, Excel, Web browsers) and familiarity with ArcMap GIS and other database systems.

#### **WORKING CONDITIONS**

- Regularly works in natural areas and at native plant nurseries and seed production fields. Hikes across, and conducts work within, native habitats and uneven ground.
- Regularly sits or stands at a desk or computer workstation.
- Regularly required to operate a Ecostudies Institute vehicle.
- Frequently works alone.
- Responsible for some evening and weekends including travel.
- Uses or supervises the use of pesticides and or other chemical substances.
- Uses or supervises the use of powered equipment such as weed trimmers and chain saws
- Regularly works around wildland fires
- Uses hand tools and operates nursery equipment.
- Regularly lifts, positions, or otherwise moves objects weighing up to 50 pounds.

#### **TO APPLY**

Please send a resume, concise cover letter, and three references to [mmckinley@ecoinst.org](mailto:mmckinley@ecoinst.org) and [njohnson@ecoinst.org](mailto:njohnson@ecoinst.org). Applications will be evaluated as received with priority given to applications received before by March 19.

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*The above statements are intended to describe the general nature of the work being performed by people assigned to this work. This is not an exhaustive list of all duties and responsibilities. Ecostudies Institute management reserves the right to amend and change responsibilities to meet business and organizational needs as necessary.*

*This position description does not constitute an employment agreement between the Ecostudies Institute and the employee and is subject to change by Ecostudies Institute as the needs of the Ecostudies Institute and requirements of the job change.*