

# FLN Networker No. 279: April 3, 2019

---

*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) or contact Marek Smith.

## News from the Field

**California:** With a roster made up primarily of local participants, the spring **Yurok TREX** set a **flexible target date** in early February, with an important “**weather permitting**” clause. The weather finally permitted in mid-March, and the crew rapidly mobilized for a few days of good **cultural burning and learning**. Read more in the attached *Notes from the Field*.

**New Jersey:** **FAC Net** partners held their third annual **FAC Ambassador Training** recently; 16 people took part, so there are now **47 ambassadors** volunteering in area communities. Participants included staff from all three divisions of the **New Jersey Forest Fire Service** and 10 local communities. The day-long training covered wildfire preparedness topics from Firewise and Ready, Set, Go! to basic grants information, and a lunchtime prescribed burn demonstration was led by two section fire wardens, who also described the process of preparing and implementing the burn. For more, contact **Bill Brash** ([bill@NJFireSafetyCouncil.org](mailto:bill@NJFireSafetyCouncil.org)); for more about the Forest Fire Service and its other work, see the recent [profile](#) in *Wildfire Today*.

The **first big wildfire of 2019** in the Pine Barrens [started on Saturday afternoon](#), burning more than 11,000 acres by Sunday. A **unit that had prescribed fire** on Friday **helped firefighters** keep the fire from jumping a highway on the north end of the fire. And as a [headline](#) yesterday put it, “After Pinelands Fire, Those in the Crosshairs **Call for More Prescribed Burns**.”

**Oregon:** Yesterday’s **Rogue Gathering and Leadership Forum** in Medford launched the **Rogue Forest Restoration Initiative**. The event was coordinated by The Nature Conservancy with a team of planners representing the nine partners in the new initiative, with funding support from the **Oregon Department of Forestry, The Nature Conservancy, the Fire Learning Network and Lomakatsi Restoration Project**. Watch for more from this initiative; meanwhile, see the [story on KOBV TV](#).

**Oregon:** The fire networks’ focus on **collaboration** and on **scaling-up also** appear in a couple articles in the [latest issue](#) of *Western Forester* (Society of American Foresters). **Pete Caligiuri** ([pcaligiuri@tnc.org](mailto:pcaligiuri@tnc.org)) and **Ed Keith** ([ed.keith@deschutes.org](mailto:ed.keith@deschutes.org))—**FLN** and **FAC Net**, respectively—wrote the article “Collaborating to Increase Fire-Adapted Forest Restoration” (p. 10), which focuses on work to **increase social license** for burning, including recent efforts to address **smoke and public health**. **Darren Borgias** ([dborgias@tnc.org](mailto:dborgias@tnc.org)) and **Kerry Metlen** ([kmetlen@tnc.org](mailto:kmetlen@tnc.org)) give a good overview of work in the southwest part of the state in “Transforming our Relationships with Forest and Fire—Scaling Up from Ashland Watershed to the Rogue Basin” (p. 16).

**South Carolina:** FLN partners—**Conservancy** staff from Georgia, North Carolina and South Carolina; the **South Carolina Forestry Commission**, and the **U.S. Forest Service**—assisted **South Carolina State Parks** on a recent **prescribed burn at Table Rock State Park**. The Forestry Commission **hosted a local TV station** at the burn, resulting in a [good story](#) about the importance of prescribed fire. The **Consortium of Appalachian Fire Managers and Scientists** also [noted](#) that a **couple of earlier burns**—the South Carolina DNR’s Buzzard Roost tract, and another at Table Rock State Park—relied on **prep work** completed during the **Southern Blue Ridge TREX** last fall.

**Washington:** There has been **remarkable progress** toward a **better relationship with fire** in the state in recent years. For a look at the role of the **FLN, FAC Net** and **TREX** in that success, [explore](#) the **story map** developed by **Grace McLeod** (with input from a whole “village”).

**Central Appalachians:** The **spring controlled burning season** is well underway with **over 7,000 acres** treated. The 3,600-acre Neal Run unit burn brought together five agencies; it provided **training opportunities** in three roles, and was a big win for the partnership and for early successional habitat species. Photos from the helicopter revealed structural diversity, and personnel enjoyed wildlife sightings including several grouse and many cavity nesters. **April is typically the best month for burn windows** in the region, but partners made the most of February and March by coordinating resources and finding **success in marginal burn weather**. With growing partnerships and capacity, the Central Apps may be poised for an unexpectedly good year for fire! For more, contact **Laurel Schablein** ([lschablein@tnc.org](mailto:lschablein@tnc.org)).

**Southern Blue Ridge:** The March [“featured” page](#) of the **Northern Research Station** site has a number of FLN-familiar items. The featured outreach is the **Fire Learning Trail**; featured **research** is that of **Jean Lorber** and **Melissa Thomas-Van Gundy** on the **effects of prescribed fire on forest canopy cover** in the **George Washington and Jefferson NFs**; and the featured partnership is the **Consortium of Appalachian Fire Managers and Scientists (CAFMS)**. For more about the featured research, check out the May 29 “Hot Burns, Cold Burns” webinar in the listings below.

**National:** Each year The Nature Conservancy highlights a number of “individuals who act ethically and with absolute integrity.” Congratulations to **Heather Montanye** ([hmontanye@tnc.org](mailto:hmontanye@tnc.org)) on being recognized as an **Ethical Hero**.

**National:** We are seeking a **Fire Learning Network manager**—see the attached position description for details.

## Feedback Request: IFTDSS

**IFTDSS:** The **Interagency Fuel Treatment Decision Support System** development team is seeking **user input** as it works to develop **new features and functionality**. Take a few minutes to [complete the survey](#) if you use the system.

## Funding: JFSP

**JFSP:** The **Joint Fire Science Program 2019 funding opportunities** have been announced. Proposals are being solicited for [primary research](#) in two areas—effectiveness of fuel breaks and fuel break systems, and reducing damages and losses from wildfire to valued resources. Graduate Research Innovation ([GRIN](#)) proposals are being accepted for research in fuels management and fire behavior, emissions and air quality, fire effects and post-fire recovery, relative impacts of prescribed fire versus wildfire, and human dimensions of fire. All proposals are due by **May 16**.

## Resources: FAC / Module Standards

**FAC:** Take the new **quiz** from the **Fire Adapted Communities Learning Network (FAC Net)** to [see how much you know](#) about FAC ... or clarify a few things in your mind.

**Module Standards:** An **updated version** of “NWCG Standards for **Wildland Fire Module Operations**” ([PMS 430](#)) is now available.

## Articles & Reports: Outstanding ICs / Rx Seasonality / Recreation / Assessment Data / PODS

**Outstanding ICs:** A [post](#) in *Wildfire Today* comprehensively summarizes the methods and findings of the [paper](#) “Emotional and Social Intelligence Competencies of Incident Team Commanders Fighting Wildfires” (Boyatzis et al., 2017). **Five emotional and social intelligence skills** that set outstanding incident commanders apart from average ones were identified.

**Rx Seasonality:** The authors of the [article](#) “Seasonality of Prescribed **Fire Weather Windows and Predicted Fire Behavior** in the Northern Great Plains, USA” used hourly RAWS weather data from 20 stations over a span of 5 to 12 years (depending on the station) to examine changes in seasonality. They found **no trend in season length**, but that there was a **shift in the timing** of suitable windows from spring toward fall.

**Recreation:** The [article](#) “Is Recreation a **Landscape Value?**: Exploring Underlying Values in Landscape Values Mapping” suggests that the category “recreation” may obscure more than it reveals, so **other framing may be more useful**.

**Assessment Data:** Data from a **social survey** and **parcel-level rapid wildfire risk assessments** administered by FireWise of Southwest Colorado (now **Wildfire Adapted Partnership**) in 2015 are available for the three counties they work with: [Archuleta](#), [La Plata](#) and [Montezuma](#). In addition to a description of methods, the reports include both **summary graphs** and the **raw survey data** to explore.

**PODS:** The [article](#) “Engaging the Fire Before It Starts: A **Case Study** From the 2017 Pinal Fire (Arizona)” looks at how **potential wildfire operational delineations** were used in managing a spring fire on the Tonto National Forest.

## Videos: Home Wildfire Risk / Smoke Exposure

**Home Wildfire Risk:** The [new video](#) from the **National Fire Protection Association** “**5 Key Areas** Around the Home You Must Examine When Assessing Wildfire Risk” very briefly highlights some easy **things residents can check and remedy** to make their homes safer from wildfire.

**Smoke Exposure:** A [recording](#) of the recent webinar “Smoke Exposure **Health Effects and Mitigations** for Wildland Fire Personnel: Current Research and Recommendations” is now available. The first presenter, Kathleen Navarro, summarized the results of research showing a not-insignificant “**excess risk**” of **lung cancer and cardiovascular disease** from occupational exposure to particulate matter. Megan Martinez then discussed her **field-based experiences** with successes and challenges of implementing **smoke exposure mitigations** to reduce both **long- and short-term risks**. Good stuff to help make the work a little safer.

## In the News: USFS Chief

**USFS Chief:** The *NFPA Journal* has a wide ranging [interview](#) with the (fairly) new chief of the USDA Forest Service, **Vicki Christiansen**.

## Jobs: FLN Manager / Assistant Division Manager / Wildfire Mitigation Assistant / Fire Program Manager / Resource Specialist

**FLN Manager:** The **Nature Conservancy** is hiring a **Fire Learning Network manager**, who will be part of the **PERFACT team** helping to lead a key component of the Conservancy’s regional **Living with Fire** strategy. Details are in the attached flyer and on the Conservancy’s careers page ([job ID 47507](#)); current employees should apply through [PeopleSoft](#). Applications are due by **April 22**.

**Assistant Division Manager:** The **Washington State Department of Natural Resource** is hiring a **planning, science & monitoring assistant division manager**; the position supports numerous programs and initiatives, including the 20-Year Forest Health Strategic Plan. Details are on [careers.wa.gov](https://careers.wa.gov); applications are due by **April 14**.

**Wildfire Mitigation Assistant:** The **City of Boise** is seeking a **graduate student for a summer internship** (paid) to work with its Wildfire Mitigation team. Details are on [governmentjobs.com](https://governmentjobs.com) ([job #04862](https://governmentjobs.com/job/#04862)); applications are due by **April 4**.

**Fire Program Manager:** The **Watershed Center** is seeking a **forestry, fire and fuels program manager** to lead its program that focuses on forest planning, integrated fire management, hazardous fuels reduction, ecological restoration, and a wide range of associated field projects in cooperation with the U.S. Forest Service, CAL FIRE, Trinity County Resource Conservation District, landowners and other partners. See the Watershed Center website for [details](#).

**Resource Specialist:** The **King Conservation District (WA)** is seeking a **wildfire and forest resiliency coordinator**, responsible for maintaining the district's strong **collaborative relationships** with partner agencies. Details are in a [flyer](#) posted on the district's website ([kingcd.org](https://kingcd.org)).

## Webinars

**May 29**

### **Hot Burns, Cold Burns, and Everything In Between: Exploring Prescribed Burning's Impacts on Forest Structure in the Appalachians**

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

In this **FLN** webinar, Jean Lorber will give a short presentation about new fire monitoring results; this will be followed by case studies of individual burn units, presented by the folks that burned them, to showcase a range of fire intensities and talk about why the units burned the way they did. Join the webinar:

<https://tnc.webex.com/tnc/j.php?MTID=mbf07c315242f99eb3ef9259be168998d>

(or use the attached file HotBurnsColdBurns-29May19 to add it to your calendar)

## Network Workshops & Field Tours

**April 22-26**

### **Fire Adapted Communities Learning Network Workshop / Ashland, OR**

FAC Net core members and key partners will meet at this national workshop.

**May 14-16**

### **Southern Blue Ridge FLN / Athens, TN**

Join partners for the 14<sup>th</sup> annual workshop of this regional network.

Details and registration: [https://nature.us6.list-](https://nature.us6.list-manage.com/track/click?u=d249918d68e8b2816d484693a&id=5f4d5b8e0c&e=0d23243b0e)

[manage.com/track/click?u=d249918d68e8b2816d484693a&id=5f4d5b8e0c&e=0d23243b0e](https://nature.us6.list-manage.com/track/click?u=d249918d68e8b2816d484693a&id=5f4d5b8e0c&e=0d23243b0e)

**November 4-8**

### **Annual FLN Leaders-TREX Coaches-IPBN Workshop / Russellville, AR**

FLN network leads, TREX coaches and IPBN leads will meet at this joint national workshop.

## FLN Prescribed Fire Training Exchanges (TREX)

**March 30-April 13  
updated**

### **Niobrara Valley Preserve Prescribed Fire Training Exchange / Ainsworth, NE**

This TREX will have a delayed start (April 5), due to recent flooding.

**April 28-May 10**

### **Cascadia Prescribed Fire Training Exchange / Cle Elum, WA**

The deadline for this TREX has passed.

- April 29-May 3**      **Loess Hills Cooperative Burn Week / Council Bluffs, IA**  
Partners will share a week of cooperative burning and learning together.
- April 29-May 10**    **Central Oregon Prescribed Fire Training Exchange**  
The deadline for this TREX has passed.
- May 13-24**         **Ashland Prescribed Fire Training Exchange**  
The deadline for this TREX has passed.

## Conferences, Workshops, Training, Etc.

- April 6 (or 13)**    **Learn and Burn—Controlled Burning for Wildlife / Sewanee, TN**  
This Forest Stewards Guild workshop is primarily aimed at landowners with zero-to-modest fire experience; natural resources professionals are also invited to take part. (April 13 is the back-up date, if live fire isn't possible on April 6.)  
Details and registration: <https://www.forestguild.org/node/744>
- April 11-12**        **Pacific Northwest Forest Collaborative Workshop / Hood River, OR**  
Information: <http://www.nwfirescience.org/events/2019-pacific-northwest-forest-collaborative-workshop>
- April 27-28**        **Wildland Fire Fighter 2 Training / Stinson Beach, CA**  
Audubon Canyon Ranch is offering this training that will allow participants to earn a certificate enabling them to engage in prescribed burning with the Good Fire Alliance; it is also recognized by the California Office of the State Fire Marshal. Note: participants must complete S-130, S-190, L-180, I-100c and IS-700b online before attending (links are provided). Information:  
<https://www.eventbrite.com/e/wildland-fire-fighter-2-training-tickets-54552156970>
- April 29-May 3**    **6th International Fire Behavior and Fuels Conference / Albuquerque, NM**  
Information: <http://www.firebehaviorandfuelsconference.com/>
- May 4**                **Wildfire Community Preparedness Day / Everytown, USA**  
Information: <https://www.nfpa.org/Public-Education/Campaigns/National-Wildfire-Community-Preparedness-Day>
- June 2-5**            **North American Prairie Conference / Houston, TX**  
Information: <http://www.northamericanprairie.org/>
- June 4-5**            **Oregon Prescribed Fire Council Annual Meeting / Lakeview, OR**  
Topics will include cross-boundary fuels treatments and navigation of the state's newly revised smoke management rules.  
Information: <https://www.facebook.com/events/2046390858992771/>
- June 6**                **North Georgia Prescribed Fire Council / Jasper, GA**  
Workshop page: <http://www.garxfire.com/events.htm>
- July 23-25**         **Fire in Eastern Oak Forests Conference / State College, PA**  
"Laying out a Restoration Road Map" is the theme of this conference organized by the Oak Woodlands & Forests Fire Consortium and Consortium of Appalachian Fire Managers and Scientists, in partnership with the Pennsylvania Prescribed Fire Council. Sessions will cover fire and culture, building capacity, expanding the burn window, and fire effects on flora and wildlife. Information:  
<https://web.cvent.com/event/657273e9-143b-48ba-bcaf-0f04177312d5/summary>

- August 21-23**      **Transforming Approaches to Forests and Forestry through Traditional and Local Knowledges Conference / Vancouver, BC, Canada**  
Information: <http://tek.forestry.ubc.ca/>
- October 1-3**      **5<sup>th</sup> Biennial Shortleaf Pine Conference / Van Buren, MO**  
Information: <http://www.shortleafpine.net/shortleaf-pine-initiative/conferences>
- October 21-24**      **3rd Annual Cohesive Strategy Workshop / Plymouth, MA**  
The call for workshop sessions and presentation proposals is open.  
Information: [https://www.iawfonline.org/event/2019\\_cohesive\\_strategy\\_workshop/](https://www.iawfonline.org/event/2019_cohesive_strategy_workshop/)
- October 21-Nov. 4**      **Hart Prairie Preserve Workshop on Ecological Burning / Flagstaff, AZ**  
**new listing**  
This WEB will provide participants with the knowledge and training required to develop and implement prescribed burn plans with a focus on setting ecological objectives, and enhance the knowledge, skills and abilities needed to use fire in wildland ecosystems in a safe, professional and responsible manner.  
Information: see the attached flyer
- Nov. 18-22**      **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](mailto:hmontanye@tnc.org) – Heather is in the office.

**Jeremy Bailey** – [jeremy\\_bailey@tnc.org](mailto:jeremy_bailey@tnc.org) – Jeremy is in the Niobrara River Valley (NE) April 4-13.

**Marek Smith** – [marek\\_smith@tnc.org](mailto:marek_smith@tnc.org) – Marek is in Boulder, CO April 16-19; Ashland, OR April 22-26.

**Mary Huffman** – [mhuffman@tnc.org](mailto:mhuffman@tnc.org) – Mary is in Portland, OR April 16-19.

**Wendy Fulks** – [wfulks@tnc.org](mailto:wfulks@tnc.org) – Wendy is in Boulder, CO April 1-3; out April 5; in Denver April 17-18; Ashland, OR April 21-26.

**Liz Rank** (editor) – [lrnk@tnc.org](mailto:lrnk@tnc.org) – Liz is out April 12.

## Full Links

News from the Field—NJ—FFS: <https://wildfiretoday.com/2019/03/25/new-jersey-forest-fire-service-enters-their-84th-year-of-improving-forests-with-prescribed-fire/>

Call for more Rx: [https://www.pressofatlanticcity.com/news/after-pinelands-fire-those-in-the-crosshairs-call-for-more/article\\_2289814c-e423-5e44-b0cb-9c99b3d4c903.html](https://www.pressofatlanticcity.com/news/after-pinelands-fire-those-in-the-crosshairs-call-for-more/article_2289814c-e423-5e44-b0cb-9c99b3d4c903.html)

News from the Field—OR—Rogue gathering: <https://kobi5.com/news/wildfire-forum-works-with-local-tribes-to-find-solutions-to-mega-wildfire-seasons-99278/>

News from the Field—OR—*Western Forester*: <http://www.nwoffice.forestry.org/sites/default/files/WFJanFebMar2019.pdf>

News from the Field—SC: [https://www.wspa.com/news/table-rock-state-park-set-on-fire-in-prescribed-burn/1869439573?fbclid=IwAR2aAca0VKGkL3OnFWHJL0sklka-GAfH9d27xy9n-VtbfEa7rkVRvTW\\_HJg](https://www.wspa.com/news/table-rock-state-park-set-on-fire-in-prescribed-burn/1869439573?fbclid=IwAR2aAca0VKGkL3OnFWHJL0sklka-GAfH9d27xy9n-VtbfEa7rkVRvTW_HJg)

News from the Field—WA:

<https://tnc.maps.arcgis.com/apps/Cascade/index.html?appid=23ea2dd4e9fb46d98fac559c9ab262b3>

News from the Field—SBR: <https://www.nrs.fs.fed.us/featured/2019/03/#research>

Feedback Request—IFTDSS: <https://mailchi.mp/329dbbef65af/take-the-iftoss-user-survey-we-want-your-feedback>

Funding—JFSP—Primary research: <https://www.grants.gov/web/grants/search-grants.html?keywords=FA-FOA0019-002>  
GRIN: <https://www.grants.gov/web/grants/search-grants.html?keywords=FA-FOA0019-001>

Resources—FAC: <https://quiz.tryinteract.com/#/5c5a20bb9f2448001476871c>  
Resources—Module standards: <https://www.nwcg.gov/publications/430>  
Articles & Reports—Outstanding ICs: <https://wildfiretoday.com/2019/03/26/five-emotional-and-social-intelligence-skills-of-outstanding-incident-commanders/>  
Articles & Reports—Rx seasonality: <https://link.springer.com/article/10.1186/s42408-019-0027-y>  
Articles & Reports—Recreation: [https://www.fs.fed.us/pnw/pubs/journals/pnw\\_2019\\_Biedenweg001.pdf](https://www.fs.fed.us/pnw/pubs/journals/pnw_2019_Biedenweg001.pdf)  
Articles & Reports—Assessment data—Archuleta County: [https://www.fs.fed.us/rm/pubs\\_series/rmrs/rm/rmrs\\_rn079.pdf](https://www.fs.fed.us/rm/pubs_series/rmrs/rm/rmrs_rn079.pdf)  
La Plata County: [https://www.fs.fed.us/rm/pubs\\_series/rmrs/rm/rmrs\\_rn081.pdf](https://www.fs.fed.us/rm/pubs_series/rmrs/rm/rmrs_rn081.pdf)  
Montezuma County: [https://www.fs.fed.us/rm/pubs\\_series/rmrs/rm/rmrs\\_rn081.pdf](https://www.fs.fed.us/rm/pubs_series/rmrs/rm/rmrs_rn081.pdf)  
Articles & Reports—PODS: [https://www.fs.fed.us/rm/pubs\\_journals/2019/rmrs\\_2019\\_oconnor\\_c001.pdf](https://www.fs.fed.us/rm/pubs_journals/2019/rmrs_2019_oconnor_c001.pdf)  
Videos—Home wildfire risk: <https://www.youtube.com/watch?v=MIUQVL3BvVg>  
Videos—Smoke exposure: <https://www.nrfirescience.org/event/smoke-exposure-health-effects-and-mitigations-wildland-fire-personnel-current-research-and>  
In the News—USFS chief: <https://www.nfpa.org/News-and-Research/Publications/NFPA-Journal/2019/March-April-2019/POV/Perspectives>  
Job—Fire program manager: <https://thewatershedcenter.com/work-with-us/>

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.

To stop receiving the FLN Networker, please reply to this message and include your request in the body of the message.



## Fire Learning Network Notes from the Field

# Yurok TRES

Cultural Fire Management Council-  
Yurok Cultural Burn Training Exchange

Weitchpec, CA ~ March 16-19, 2019

Margo Robbins

Cultural Fire Management Council

Amidst the rain, the sleet and the snow, a small burn window opened up in mid-March in far northern California, and Cultural Fire Management Council (CFMC) pulled the trigger on TRES. Participants had been waiting since the beginning of February for the call to mobilize. They signed up for the CFMC-Yurok cultural burn training exchange in December with the understanding that the TRES target date of February 3-9 was flexible, dependent on the weather. On Tuesday, March 12, notice went out that it looked like a burn window was opening, and to be ready to mobilize. Final notice was given on Thursday, March 14 for all participants to arrive at the incident command post (ICP) on Saturday at 10:00 a.m. We planned to put fire on the ground on Sunday.

Despite the need for many participants and planners (and the caterer) to reshuffle their schedules, a full cadre showed up ready for action. After check-in and lunch, participants went out into the field to learn about the landscape and the local culture. The first stop was a traditional village site where the Yurok World Renewal Ceremony takes place. People gathered around the ceremonial dance house and a local elder spoke of putting the world back in balance. The blue sky above, the river flowing behind us, and a gentle breeze on our skin brought us back in time, put us in touch with a purpose greater than ourselves.

Leaving the dance site, we headed upriver to scout the units that we would be burning over the next few days. As participants walked the fire lines, cultural practitioners pointed out

culturally significant plant species. Of particular interest were the hazel bushes that needed to be burned in order to produce new shoots for basket weaving. Local fire practitioners, familiar with the land, discussed wind patterns, firing techniques, the dense fuel load, potential hazards and safety. On the way back to the ICP, and dinner, the pack test was administered for those who needed it.

Following dinner, a local basket weaver displayed many of the different kinds of baskets used locally, as well as the materials used to make them. Two of the materials are fire dependent, while the others benefit from fire. This was the first of several cultural presentations during the course of the event.

Sunday dawned with clear skies overhead and temperatures expected to be around 70 degrees, a perfect day for burning. The fire and fuels manager from the Karuk Tribe filled the role of burn boss (RXB2), and the Yurok burn boss trainee took the lead in three successful days of burning. Over those days, the crew of 28 people burned 45 acres in some of the steepest, most fuel loaded land imaginable. In some places the fire lighters had to literally crawl under the brush to get to a place they could safely light from. The firing boss implemented an ignition pattern that both kept people safe and achieved the desired results. The people holding the line used almost no water, as the fire, and most of the smoke was sucked into the middle of the unit. The land was burned clean without killing the soil. Basket weavers will have 45 acres of hazel next year, deer and other animals will have a place to browse, and native plant species will once again thrive in their natural habitat.



© Elizabeth Azzuz



Wild iris, used for cordage © Elizabeth Azzuz

For more on the Yurok TRES, contact:

**Margo Robbins**

[margo@culturalfire.org](mailto:margo@culturalfire.org)

For more on the TRES strategy, visit:

<http://nature.ly/trainingexchanges>

Prescribed Fire Training Exchanges (TRES) are part of *Promoting Ecosystem 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](mailto:marek_smith@tnc.org).

An equal opportunity provider

v. 3 April 2019





## **Fire Learning Network Manager POSITION PROFILE**

### **Organizational Overview: A Pioneer in Conservation Leadership**

This is an exciting time at The Nature Conservancy (TNC). We are evolving our conservation strategy to have an even greater impact in the world by taking on the greatest challenges facing both people and nature today—including living safely with fire. We are seeking a **Fire Learning Network Manager** who will help lead a key component of our regional Living with Fire strategy in North America. The FLN Manager will have the experience and leadership to help us design and implement our strategic approach to make ecosystems and communities more resilient to wildfire.

**Our Mission:** The Nature Conservancy, a global non-profit organization with more than one million members, is dedicated to conserving the lands and waters on which all life depends.

**Our Vision:** A world where the diversity of life thrives, and people act to conserve nature for its own sake and its ability to fulfill our needs and enrich our lives.

**Our Team:** We achieve this through the dedicated efforts of our 3,500+ [diverse staff](#), including more than [600 scientists](#), all of whom support conservation in 72 countries and all U.S. states. We are striving to develop a workforce as diverse as the places where we work, and we have a deep commitment to diversity.

**Our Approach:** We use a non-confrontational, collaborative approach and depend on the help of our many partners, from individuals and governments to local nonprofits and corporations. Since 1951, the organization has protected more than 120 million acres across the world, and has become the largest freshwater and marine conservation organization globally. We are now building on this legacy of land, water and ocean protection to address global challenges facing people and nature around the world.

### **Job Overview: Fire Learning Network Manager**

*Background:* The North America region within TNC includes Canada, the Caribbean and the United States. The North America Fire Initiative team, of which the Fire Learning Network Manager is a member, works to increase the capacity and social capital needed to create conditions for more resilient landscapes and for communities to have a better relationship with fire. We connect people with other people, programs, tools and ideas that they can adapt and use to tackle their challenges. We learn from their work—carrying their lessons to other people and places to advance change at larger scales.

The FLN Manager works with TNC staff and partners to coordinate and support a [U.S. Fire Learning Network](#) of 10-15 multi-landscape regional networks that encompass 30-40 landscape collaboratives and associated innovative projects.

*Strategic Leadership:* The FLN Manager will provide leadership to enhance collaboration, accountability and communications across the network to accelerate progress towards goals. The ideal candidate will be able to delegate authority, working behind the scenes to encourage and enable members to lead the network.

Regional FLNs are composed of multi-stakeholder project teams working collaboratively to accelerate the restoration of landscapes that depend on fire to sustain both natural and human communities. The FLN Manager serves as an advisor and coach to project teams, supporting their work on effective strategy, integrated fire management, restoration, resilience, collaboration skills and conservation planning issues.

The position requires demonstrated success leading collaborative projects, managing multiple priorities, and producing tangible conservation results.

*Conservation/Fire Management Experience:* Experience and affinity for conservation practice and natural resources management will enable the FLN Manager to develop strategy and engage successfully.

The FLN Manager should have (or be able to obtain) Firefighter Type II certification, including Introduction to ICS (I-100), Human Factors on the Fireline (L-180), Introduction to Wildland Fire Behavior (S-190), Firefighting Training (S-130), and one training burn serving under the supervision of a qualified FFT2. Specifics can be found in the Conservancy Fire Management Manual at: <http://www.tncfiremanual.org>.

#### *Interpersonal Skills:*

The FLN Manager incorporates TNC's values and leadership competencies and implements knowledge of current trends and practices in network theory, facilitative leadership, and collaborative strategic planning, including the [Open Standards for the Practices of Conservation](#), to share and build a passion for conservation.

The FLN Manager must be able to listen to, and communicate with, diverse groups of people. It is critical that the FLN Manager successfully develop relationships with colleagues and partners who are geographically dispersed.

#### **Measuring Success**

Success in the position will be demonstrated by growth in the impact and effectiveness of the network and its members, and by other metrics established in working with the North America Fire Initiative team.

#### **HOW TO APPLY**

Visit [www.nature.org/careers](http://www.nature.org/careers) and apply online with cover letter and resume to **job ID 47507**. (Current Conservancy employees should apply through PeopleSoft.)

All required resumes and cover letters must be submitted through The Nature Conservancy's online application system. The application deadline is 11:59pm EST **April 22, 2019**. If you experience technical problems with the site or application process, please contact [applyhelp@tnc.org](mailto:applyhelp@tnc.org) and include the job opening ID.

Direct links to position:

External applicants— [https://careers.nature.org/psp/tnccareers/APPLICANT/APPL/c/HRS\\_HRAM.HRS\\_APP\\_SCHJOB.GBL?Page=HRS\\_APP\\_JBPST&Action=U&FOCUS=Applicant&SiteId=1&JobOpeningId=47507&PostingSeq=1](https://careers.nature.org/psp/tnccareers/APPLICANT/APPL/c/HRS_HRAM.HRS_APP_SCHJOB.GBL?Page=HRS_APP_JBPST&Action=U&FOCUS=Applicant&SiteId=1&JobOpeningId=47507&PostingSeq=1)

Internal applicants— [https://peoplesoft.tnc.org/psp/tncprpd/EMPLOYEE/HRMS/c/HRS\\_HRAM\\_EMP.HRS\\_APP\\_SCHJOB.GBL?Page=HRS\\_APP\\_JBPST&Action=U&SiteId=1&FOCUS=Employee&JobOpeningId=47507&PostingSeq=1](https://peoplesoft.tnc.org/psp/tncprpd/EMPLOYEE/HRMS/c/HRS_HRAM_EMP.HRS_APP_SCHJOB.GBL?Page=HRS_APP_JBPST&Action=U&SiteId=1&FOCUS=Employee&JobOpeningId=47507&PostingSeq=1)

*The Nature Conservancy is an Equal Opportunity Employer. Our commitment to diversity includes the recognition that our conservation mission is best advanced by the leadership and contributions of men and women of diverse backgrounds, beliefs and cultures. Recruiting and mentoring staff to create an inclusive organization that reflects our global character is a priority and we encourage applicants from all cultures, races, colors, religions, sexes, national or regional origins, ages, disability status, sexual orientation, gender identity, military or veteran status or other status protected by law.*

# Hart Prairie Preserve Workshop on Ecological Burning

## Oct. 21 – Nov. 4, 2019



Hart Prairie Preserve © TNC/Rick Braveheart

This two-week workshop will provide participants with the knowledge and training required to develop and implement prescribed burn plans, with a focus on setting ecological objectives, assessing burn complexity, assessing resource needs, contingency planning, managing smoke, prescribed burn execution and post-burn follow-up.

Burn operations will be focused on The Nature Conservancy's Hart Prairie Preserve, with opportunities for collaborative burning on private, City of Flagstaff and federal lands.

Participants will learn about how local land managers are using wildfire to meet resource objectives, and how mechanical fuel treatments integrate with local, state and federal fire management programs.

Learning opportunities will include writing burn plans for Babbitt Ranches, presentations and lectures at the Hart Prairie Preserve Lodge, and site visits to local prescribed fire and wildfire units.

Workshop participants are encouraged to bring their Position Task Books. Evaluators will be available for trainees in several positions including Firefighter Type 1, Single Resource Boss and Burn Boss.

### **Objectives**

- Learning and (conditions permitting) burning daily
- Developing burn (or fire management) plans to meet resource objectives
- Reviewing resource/fire management needs based on safety, land management objectives and site conditions
- Identifying tasks to be considered by burn boss during pre-burn, burn and post-burn operations
- Evaluating conditions to verify and/or adjust burn plan elements to meet planned objectives
- Enhancing knowledge, skills and abilities necessary to use fire in wildland ecosystems in a safe, professional and responsible manner

### **Target Group**

Those wanting a science-based approach to applying fire to the land for management purposes. This includes those training to become a burn boss or other positions relevant to planning and safely implementing controlled burns. This workshop is similar to RX-301 but with more ecological science and more hands-on field time. The course certificate will be the TNC Workshop on Ecological Burning, not the NWCG classroom certificate.

## Hart Prairie Preserve and Northern Arizona

The Nature Conservancy's Hart Prairie Preserve is at 8,450 feet, on the west side of the San Francisco Peaks in Flagstaff, AZ. Surrounded by aspen and dry mixed conifer stands, the preserve is a short grass prairie with a high-elevation wet meadow ecosystem dominated by a globally unique stand of Bebb willow.

Lodging at Hart Prairie Preserve includes 13 beds in 9 cabins, a lodge with common area, a total of 5 full bathrooms, 3 kitchens, 2 composting toilets, indoor areas for cots, and a tent camping area adjacent to the cabins. The off grid-location has very good cell coverage and multiple wifi hotspots.

### Logistics:

- Meals and lodging will be provided.
- Participants responsible for bringing their own toiletries and line gear.
- Cabins will be shared, but participants should be prepared to camp.
- Flights are available through the [Flagstaff Pulliam Airport](#). Transportation to/from the Flagstaff airport can be arranged with advance notice.
- [Hart Prairie Preserve Google Map location](#)
- [National Weather Service forecast for Hart Prairie Preserve](#)
- [Onsite weather station - Click on Mixed Conifer tab](#)

### Requirements

- All participants must be current and qualified as a Firefighter (FFT2 or equivalent) or have completed NWCG courses I-100, S-130, S-190 L-180 and FEMA IS-700. Links to self-study versions of these courses are [here](#) with the required field day in S-130 offered to participants upon request, immediately prior to the start of the workshop.
- Participants must complete a work capacity test (arduous pack test) before arrival (please ask us where and how if you do not have one locally).
- Participants must have insurance (e.g., workers' comp, health or travel insurance) to cover any injury they receive during event.
- Participants must bring fireline-approved boots (all-leather work boots, 8 inches tall, with non-slip soles and no steel toe). Participants should come with all appropriate personal protective equipment ([PPE](#)) including: next generation fire shelter, hard hat, Nomex style protective clothing, all-leather gloves, eye protection, and canteens for drinking water. If you do not have all the PPE please let us know as we may be able to provide you with a set that includes fire-resistant shirt and pants, next generation fire shelter, fire pack and hard hat.

### For additional information, or to request an application, contact:

Steven Kinback  
Hart Prairie Preserve Manager  
[steven.kinback@tnc.org](mailto:steven.kinback@tnc.org)  
(610) 420-2780



Tinder Fire, Coconino NF © Sam Crabtree



Protecting nature. Preserving life.

This training is supported by The Nature Conservancy in Arizona and by the Fire Learning Network.

The FLN is supported by *Promoting Ecosystem Resilience and Fire Adapted Communities Together*, a cooperative agreement between The Nature Conservancy, USDA Forest Service and agencies of the Department of the Interior.



Hart Prairie Preserve Lodge © TNC/Rick Braveheart