

FLN Networker No. 285: August 7, 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 or contact Marek Smith.

News from the Field

FLN: Please welcome the **new Fire Learning Network manager, Emily Hohman** (emily.hohman@tnc.org), who stepped into the role last week. While this position is new for her, she has a long history with the network, first in the **Loess Hills** of Iowa, where she launched the Loess Hills Cooperative Burn Weeks, and then leading the **San Juan-Chama FLN** in New Mexico. She is also a **TREX** coach, a Type 2 Burn Boss, and serves as vice-chair of the New Mexico Prescribed Fire Council.

IPBN: **Margo Robbins** (margo@culturalfire.org) and **Mary Huffman** (mhuffman@tnc.org) recently traveled to Canada to share their experience using [Healthy Country Planning](#) with a group from the **Misipawistik Cree Nation**. Read more in the [Nature United post](#) Margo co-wrote, “Managing the Land for Living Culture: Exploring **Healthy Country Planning** as a Tool for **Integrating Culture into Conservation**—From California to Manitoba and Beyond.”

TREX: The **BLM** and **Klamath River TREX** will host a 2½-day “**Nature Journaling Prescribed Fire**” workshop during the October TREX. The group will be guided by several fire specialists and an illustrator, and local leaders will stop by during the daily field trips to help facilitate understanding of the **social and ecological context** of the landscape. Organizers are “excited about the **communication and outreach possibilities** of this opportunity to find new ways to integrate non-fire professionals into our business and introduce them to our values and way of life.” For more, see the attached flyer.

Arizona: The **Greater Flagstaff Forests Partnership** recently completed a **pilot Rapid Wildfire Risk Assessment** in the community of Starlight Pines. Over the course of **2½ days, 612 parcels** received 60-second assessments completed from the street. Property owners were then sent a postcard with their fire risk rating, and an invitation to **request a more detailed (60-minute) assessment**. This rapid approach is designed to raise awareness, and to **provide resources** that give residents the tools needed to mitigate wildfire ignition on their property. The GFFP working group plans to use the lessons learned from this pilot project to guide **development of a standardized statewide program**. For more, visit the [GFFP website](#) or contact **Anne Mottek** (mottekconsulting@gmail.com).

California: The *HuffPost* [article](#) “Why This Community Is Fighting Wildfires By Setting Fire To Itself” gives a nice overview of the work of the **Humboldt County Prescribed Burn Association** (along with some highlights of the **Karuk Tribe’s** work in fire). For more, contact **Lenya Quinn-Davidson** (lquinnndavidson@ucanr.edu), who helped found the **PBA—the first in the West**—in 2018.

New Mexico: The *Bitterroot* magazine [article](#) “This New Mexico Group Shows how the West can Better Embrace Fire” takes a good look at the work of the **Forest Stewards Guild’s All Hands All Lands Burn Team**. “All-Hands All-Lands is both the end of an arc that got started a long time ago, as well as the **beginning of a brand new arc**,” according to **Dave Lasky** (dave@forestguild.org).

North Carolina: The Nature Conservancy’s **Adam Warwick** (awarwick@tnc.org) and **Jonathan Hartsell** (hartselljonathan@gmail.com) of the Appalachian RC&D FAC Coalition engaged more than 20 partners, old and new, from the **New River Headwaters** and **Northern Escarpment** landscapes in the SBR FLN. Together, they decided to **merge to form the new High Country landscape** project team.

The new project area is a better fit with administrative boundaries and collaborative opportunities moving forward. Partners outlined burn and restoration plans, challenges and where collaboration is desired based on successful burns in past years and the need to **scale-up burning and outreach**. At a meeting in September, ahead of the fall burn season, they will finalize plans and coordinate resources for three or four burns that are on the horizon. Because **state and private lands** are key in the High Country, a **Fire 101 burn workshop** for private landowners is also being planned.

Oregon: Rogue River-Siskiyou forest supervisor **Merv George** and Ashland Wildfire Division chief **Chris Chambers** (chamberc@ashland.or.us) talk **good fire and bad fire**—and the value of being prepared—in the [TEDxAshland talk](#) “Fire and Smoke ...We Are in This Together.”

Washington: Highlights from the **daily dispatches** from the spring **Cascadia TRENDS** are in the attached Notes from the Field. Organizers were more than pleased with the event’s success, from training and implementation, to engagement with the community, media and legislative representatives. For more, contact **Kara Karboski** (kara@washingtonrfd.org).

Resources: What is FAC? / Burn Probability

What is FAC?: The **Fire Adapted Communities Learning Network** has produced a **graphic** that shows the broad components that make up the **fire adapted communities framework**, and gives some **examples** under each. A companion facilitator’s guide covers what the various versions of the graphic depict, when to use them, who they are for and other important notes. Check out this and other resources on the [FAC Net website](#).

Burn Probability: **Landscape burn probability** modeling is now available in the Interagency Fuels Treatment Decision Support System. Links to an introductory flyer, video and the help center are on the [IFTDSS landing page](#).

Articles & Reports: Restoration Prescriptions / Post-Fire Mulching / Climate & Fire / Birds & Fire

Restoration Prescriptions: The latest [working paper](#) from the **Ecological Restoration Institute**, “Restoration Prescriptions for **Southwestern Frequent-Fire Adapted Forests**,” updates their [2005 paper](#) with prescriptions for southwestern **ponderosa pine** and **dry mixed-conifer** forests. It includes a short discussion on required components, current management and research questions.

Post-Fire Mulching: The authors of the [article](#) “**Long-Term Vegetation Response** Following Post-Fire Straw Mulching” in the [latest issue](#) of *Fire Ecology* sampled areas from six fires mulched 9 to 13 years earlier. Their results suggest that “the long-term **effects are subtle** 9 to 13 years after post-fire mulching.”

Climate & Fire: The authors of the [article](#) “Observed Impacts of Anthropogenic Climate Change on Wildfire in **California**” documented a **five-fold increase in annual burn area** from 1972 to 2018, and found that it “**very likely** occurred due to increased **atmospheric aridity caused by warming**.” (For a quicker read, see the American Geophysical Union [press release](#) “Study Bolsters Case That Climate Change Is Driving Many California Wildfires.”)

Birds & Fire: According to the authors of the [article](#) “Is Fire ‘For the Birds’? How **Two Rare Species Influence Fire Management** Across the U.S.,” lessons learned in managing for red-cockaded woodpeckers in the South might be usefully applied to the spotted owls of the West, also covered by the Endangered Species Act.

In the News: Longleaf Pine

Longleaf Pine: For a good look at the history of longleaf in Virginia—and its return, with some help from **prescribed fire**—see the *Virginian-Pilot* [article](#) “Virginia’s ‘Founding Forest’ Was Decimated. Now the Longleaf Pine Is **Making a Comeback.**” For more, contact **Sam Lindblom** (slindblom@tnc.org).

Jobs: Field Crew Lead / Fire Manager / Burn Bosses / AFE Certification

Field Crew Lead: The **University of Washington** is seeking a leader for a small crew **collecting and processing data** for scientific research conducted by the Fire and Environmental Research Applications Team. [Details](#) are on the College of the Environment careers page; apply by **August 11**.

Fire Manager: The **Nature Conservancy’s** Missouri chapter is seeking a **prescribed fire and stewardship manager**. Details are on the Conservancy’s careers page ([job ID 47887](#)); applications are due by **August 27**. (Current employees should apply through [PeopleSoft](#).)

Burn Bosses: The **Nebraska Grazing Lands Coalition** is seeking **three part-time burn bosses** to serve regions (East, Central, West) across the state. Details are in the attached flyer; applications are due by **August 30**.

AFE Certification: The **Association for Fire Ecology** is accepting applications for its **Wildland Fire Professional Certification Program**. Certification formally acknowledges education, experience and accomplishments in the field, offering employers a way to identify you as a recognized fire ecology professional. [Details](#) are on the AFE website; applications are due **September 1**.

Webinars

August 20
new listing

Wildfire Adapted Partnership: Enabling Wildfire Mitigation in SW CO & Investigating How the 416 Fire Influenced Behaviors of Residents

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

In this Utah State extension webinar, staff from **FAC Net** member **Wildfire Adapted Partnership** will discuss how their education and incentive programs (including the Neighborhood Ambassador program) proved beneficial when the community’s preparedness was tested by wildfire. (This community’s mitigation work is also featured in a Firewise USA® [blog post](#).) Register:

https://extension.zoom.us/webinar/register/WN_Us6tzW7DSuKFwwEqrFGmjQ

September 26
new listing

Remap 2016: New LANDFIRE Products for the Southwestern United States

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

[Details](#) are on the Conservation Biology Institute website.

Register: <https://attendee.gotowebinar.com/register/2059595684534269708>

Network Workshops & Field Tours

September 11-12
deadline

Central Appalachians & Potomac Headwaters Workshop / McHenry, MD

[Registration](#) is open for the joint workshop of the Central Apps FLN and Potomac Headwaters landscape until **August 16**, or when the registration cap is met. A block of rooms is being held at the [WISP Resort](#) in McHenry (\$89/night with booking ID #4781) through August 26.

For more information, contact Deborah Landau (dlandau@tnc.org)

November 4-8

Annual FLN Leaders-TREX Coaches-IPBN Workshop / Mountain View, AR

Joint national workshop for LN network leads, TREX coaches and IPBN leads

FLN Prescribed Fire Training Exchanges (TREX)

- September 10-24** **San Juan Prescribed Fire Training Exchange / southwestern CO**
The deadline for this TREX has passed.
- Sept. 24-October 5** **Yurok Prescribed Fire Training Exchange / Weitchpec, CA**
See the [flyer](#) for details about this TREX; submit an [application](#) by September 10.
- Sept. 24-October 11 deadline** **Cascadia Prescribed Fire Training Exchange / Cle Elum, WA**
See the [flyer](#) for details about this TREX; apply by August 12.
- October 7-18** **Klamath River Prescribed Fire Training Exchange / Orleans, CA**
The deadline has passed (but see October 11-13 journaling workshop below).
- October 14-27** **Intercambio y Entrenamiento en Quemas Prescritas en Español / Santa Fe, NM**
The deadline for this TREX has passed.
- November 1-21* new listing** **Cal-TREX Butte / Butte County, CA**
This Cal-TREX will mobilize for one week in the three-week window. Details and a link to the online application are in the [flyer](#); applications are due by September 20.

Conferences, Workshops, Training, Etc.

- 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** **5th Biennial Shortleaf Pine Conference / Van Buren, MO**
Information: <http://www.shortleafpine.net/shortleaf-pine-initiative/conferences>
- October 11-13 new listing** **Nature Journaling Prescribed Fire / Orleans, CA**
This field workshop will be held in conjunction with the Klamath River TREX. Applications are due by September 6.
Information: <http://www.conservationgateway.org/ConservationPractices/FireLandscapes/HabitatProtectionandRestoration/Training/TrainingExchanges/Documents/KlamathRiverTREX-2019-NatureJournaling-Flyer.pdf>
- October 21-24** **3rd Annual Cohesive Strategy Workshop / Plymouth, MA**
Information: https://www.iawfonline.org/event/2019_cohesive_strategy_workshop/
- October 21-Nov. 4** **Hart Prairie Preserve Workshop on Ecological Burning / Flagstaff, AZ**
Participants will gain 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. Applications are due by **August 30**.
Information: <http://www.conservationgateway.org/ConservationPractices/FireLandscapes/HabitatProtectionandRestoration/Training/TrainingExchanges/Documents/WEB-2019-HartPrairie-Announce.pdf>
- November 18-22 deadline** **Cultivating Pyrodiversity: The 8th International Fire Ecology and Management Congress / Tucson, AZ**
The deadline for oral presentation and fire circles abstracts has been extended to August 15; abstracts for poster presentations must be submitted by August 30.
Information: <http://afefirecongress.org/>

Send News, Links & Comments

Emily Hohman – emily.hohman@tnc.org – Emily is in the office.

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

Jeremy Bailey – jeremy_bailey@tnc.org – Jeremy is out August 5-9, August 16, August 28-September 2.

Marek Smith – marek_smith@tnc.org – Marek is in the office.

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

Wendy Fulks – wfulks@tnc.org – Wendy is in the office.

Liz Rank (editor) – lrnk@tnc.org – Liz is out August 16-21.

Full Links

News from the Field—IPBN: <https://www.natureunited.ca/what-we-do/our-priorities/investing-in-people/manitoba-healthy-country-planning/>

News from the Field—AZ: <http://gffp.org/wildfire-risk-home-assessments/>

News from the Field—CA: https://www.huffpost.com/entry/wildfire-prevention-california-fire_n_5d3957c5e4b004b6adbaf9e3

News from the Field—NM: <https://bitterrootmag.com/2019/07/26/this-new-mexico-group-shows-how-the-west-can-embrace-wildfire/>

News from the Field—OR: <https://www.youtube.com/watch?v=3jzVtnzWBkc&feature=youtu.be>

Resources—What is FAC?: <https://fireadaptednetwork.org/resource/fire-adapted-communities-graphic-and-facilitators-guide/>

Resources—Burn probability: https://iftdss.firenet.gov/landing_page/

Articles & Reports—Restoration prescriptions:

<https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/345/rec/13>

Articles & Reports—Post-fire mulching: <https://fireecology.springeropen.com/articles/10.1186/s42408-019-0037-9>

Articles & Reports—Climate & Fire—Article: <https://doi.org/10.1029/2019EF001210>

Press release: <https://news.agu.org/press-release/study-bolsters-case-that-climate-change-is-driving-many-california-wildfires/>

Articles & Reports—Birds & fire: https://www.srs.fs.usda.gov/pubs/ja/2019/ja_2019_guldin_002.pdf

In the News—Longleaf pine: https://pilotonline.com/news/local/environment/article_96c5db6c-3c61-11e9-95ce-8f3cbad8a1c8.html

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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LEARNING Networks *notes* FROM THE FIELD

Day by Day: Notes from the Cascadia TRES

Cle Elum, Washington
April 28-May 10, 2019

A great team of 18 people—from Colorado, Idaho, Maine, Montana, Oregon and British Columbia as well as Washington, and from 15 agencies and organizations—gathered for the third Cascadia TRES. Based in Cle Elum, the crew supported burning with partners on Washington Department of Fish & Wildlife and Okanogan-Wenatchee National Forest units.

Kara Karboski (Washington RC&D) from the TRES organizing team and Anjel Tomayko (Washington DNR), the TRES PIO trainee, sent daily updates to about 80 partners and stakeholders throughout the event.

APRIL 28

Cascadia TRES kicked off with an orientation and then a site visit to Roslyn Ridge, where crews from the previous two Cascadia TRES burned. Those burns—in the fall of 2017 and 2018—were conducted to help restore the forest and reduce the risk of wildfires to the town of Roslyn.

APRIL 29

The TRES crew met with partners from the Cle Elum Ranger District, Washington Department of Fish & Wildlife and The Nature Conservancy to expose the participants to the context of fire in Washington, learn about the fire ecology of the state, and discuss their respective burn programs. They then went for a site visit and met with WDFW staff at the L.T. Murray Wildlife Area, in preparation for supporting their burns.



The TRES Team and Washington Department of Fish & Wildlife fire staff discuss the burn unit at the L.T. Murray Wildlife area on Monday, in preparation for burning on Tuesday. © WA RC&D (Kara Karboski)

APRIL 30

The TRES team supported the Washington Department of Fish & Wildlife in burning 14 acres at the L.T. Murray Wildlife Area. There were many great learning opportunities for all, and they put some good fire on the ground. The burn, which followed a thinning operation, was intended to help restore habitat on the landscape: fire and thinning go hand in hand to restore these forests.



A TRES participant helps put good fire on the ground at the L.T. Murray Wildlife Area. © Eric Kiehn

MAY 1

Part of the TRES team—along with an additional engine from the Yakima Training Center—returned to the L.T. Murray Wildlife Area to continue working with WDFW staff on the Hutchins Unit.

Meanwhile, the remainder of the TRES team joined the Cle Elum Ranger District in support of burning on the Okanogan-Wenatchee National Forest, near the town of Liberty. However, during the test fire it was determined that conditions were not conducive to achieving burn objectives, so the decision was made not to continue with the burn. So those crew members rejoined the group at the Hutchins Unit to support burn operations. They burned a total of 44 acres, meeting WDFW objectives. The WDFW Lands Division manager made a site visit to observe operations for what was the agency's first prescribed burn of the season; she was pleased with the results from the previous day and the current day's progress.

On this burn, TRES participants remained in the roles they had filled on the previous day, giving them opportunities to build on their learning as the burn operations were expanded for more acreage. TRES are organized so that decisions like this can be adjusted to suit participant needs. After action reviews (AARs) were held at the burn unit each day for the entire burn team, and were followed by TRES-specific AARs back at camp; this enabled the leaders to gather both burn-specific feedback and TRES program feedback.



TREX participants put in a check line at the L.T. Murray Wildlife Area.
© WA DNR (Anjel Tomayko)

MAY 2

The TREX team returned to the L.T. Murray Wildlife Area to continue supporting burn operations on the Hutchins Unit. After their arrival, a no-go decision for burning was made due to high winds, so crews spent the day securing the line around previously burned sections. In addition, staff from the Department of Natural Resources—the State Forester, Forest Health and Resiliency Division Manager, and Wildfire Division Manager—met with TREX leadership and partners from The Nature Conservancy, WDFW and Okanogan-Wenatchee National Forest staff at the Hutchins Unit.



KIMA-TV from Yakima tapes a crew briefing. The station ran a 2:45 story about the training on May 2.
© Eric Kiehn

MAY 3

TREX continued to assist with the Hutchins Unit at L.T. Murray Wildlife Area, completing burning on 24 acres. A smooth transition was made to rotate position assignments between sections to provide additional learning opportunities.



TREX participants being mentored on lighting techniques.
© Eric Kiehn

MAY 4

By the end of the first week of TREX, participants had spent five days assisting Washington Department of Fish & Wildlife with burning the Hutchins Unit at L.T. Murray Wildlife Area. The seven acres burned today brought the total burning to 90 acres. This commercially thinned unit—600 acres in all--has challenging terrain and heavy fuel loading. Because of this, treatment with fire is being implemented in small sections to achieve low-intensity effects. TREX assistance has helped WDFW meet its objectives and expectations for the unit, while providing valuable experience to TREX participants.



Putting good fire on the ground at the Hutchins Unit.
© WA RC&D (Kara Karboski)

MAY 5

TREX participants assisted with burning 12 more acres of the 600-acre Hutchins unit, getting experience with the challenge of maintaining low-intensity fire in a unit with heavy fuel loading, ladder fuels and steep terrain. In this situation, the number of acres treated is secondary to achieving the desired effects within the burn plan.



TREX participants conduct ignitions at the L.T. Murray Wildlife Area.
© WA RC&D (Kara Karboski)

MAY 6

The work WDFW and Cascadia TRES are accomplishing together at the Hutchins Unit is contributing to a larger effort to restore forest and aquatic health across the Manastash-Taneum landscape. Increased efforts to coordinate forest health treatment actions across ownerships and larger landscapes are emerging across central and eastern Washington as part of the state's 20-Year Strategy to restore forest health (read more at <https://www.dnr.wa.gov/ForestHealthPlan>).

MAY 7

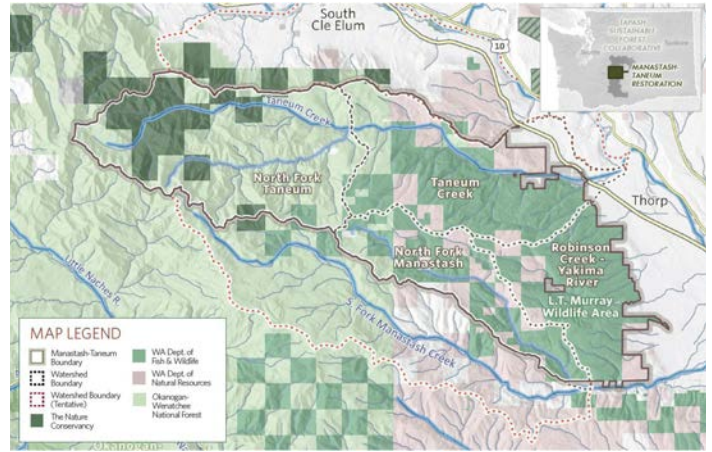
TRES participants split into two groups—one group returned to the L.T. Murray Wildlife Area to continue work with the Department of Fish & Wildlife, while the other headed back to the Liberty Unit to assist the Cle Elum Ranger District. By working with these two different agencies, TRES participants were able to observe and learn from the differing objectives between agencies and sites. At the L.T. Murray Wildlife Area, crews completed 40 acres of the Hutchins Unit. At the Liberty Unit crews completed the 25-acre Fuels 24 Burn Unit.



A TRES participant puts good fire on the ground at the Cle Elum Ranger District's Liberty Unit. © WA RC&D (Kara Karboski)

MAY 8

TRES participants were again split between the Liberty Unit and the Hutchins Unit to continue assisting the Cle Elum Ranger District and WDFW, respectively. The Cle Elum Ranger group assisted with a 25-acre burn in the Liberty Unit, while the others assisted with mopping up the Hutchins Unit. The media was invited to observe TRES participants during prescribed fire operations at the Liberty Unit. The TRES



Manastash-Taneum landscape. (Learn more about this project in the fact sheet: http://www.tapash.org/okawen/wp-content/uploads/2017/07/Tapash_ManastashTaneumUpdate_OnePager_20161102.pdf)

Incident Management Team was interviewed, taking advantage of the opportunity to share messages about the value of prescribed fire and its role in the ecosystem, as well as the role TRES has in expanding the capacity of fire managers.



A TRES participant discusses test fire results with Forest Service staff at the Liberty Unit. © Eric Kiehn

MAY 9

TRES participants wrapped up their learning with a trip to the Wenatchee River Ranger District, near Leavenworth, for a discussion of lessons learned from a 2017 prescribed burn.

MAY 10

Participants came to TRES from a wide range of places and organizations, with a broad range of skills and abilities, and working on position taskbooks from Prescribed Burn Boss 2 (RXB2) and Task Force Leader (TFLD) to Firefighter Type 2 (FFT2). As the final after action review was completed, participants overwhelmingly felt that their TRES experience went beyond position taskbook signatures. The TRES environment was conducive to learning, asking questions, getting hands-on experience with fire, shadowing, and being transparent.

The TRES environment helped build strong partnerships and relationships that will strengthen and expand our local capacity as we strive to improve our forest health and protect our communities. Working with our partners, we helped them meet their prescribed burning objectives and put nearly 200 acres of good fire on the ground.



© IWA RC&D (Kara Karboski)



“As I drove into town and saw the column of [TREX] prescribed fire smoke above Roslyn, I pumped my fist and felt excitement and pride, and at the same time recalled that just one year ago seeing the same scene my emotions were full of fear and angst.”

—long-time community resident



The Cascadia TREX strengthened the conversation about fire. Partners from the Forest Service, Washington Prescribed Fire Council, Washington Department of Fish and Wildlife and The Nature Conservancy toured the Liberty Unit with staff from the offices of Senator Murray, Senator Cantwell and Congresswoman Schrier. They discussed the benefits of prescribed fire as a tool for community protection and forest health, the science and history of fire in the state, the increasing social license for prescribed fire, and the importance of public funding to support this work. © TNC (Reese Lolley)

More Online

Interactive Map: intro to TREX; locations updated during event
<https://tnc.maps.arcgis.com/apps/MapSeries/index.html?appid=70238c2971bb4c49bf0e078f50e237c6>

Media: KIMA-TV
<https://kimatv.com/news/local/prepping-for-fire-season-crews-burning-off-brush-in-local-mountains>

Media: Ellensburg Daily Record
https://www.dailyrecordnews.com/news/safe-flames-roll-through-central-washington-during-prescribed-fire-training/article_514dd45a-e3fb-5f6d-8b12-f7b1b0a8d1b7.html

Facebook: photos and updates were posted on the Washington Prescribed Fire Council page
<https://www.facebook.com/warxfirecouncil>

Participant Organizations

- Baker Creek Restoration LLC
- British Columbia Wildfire Service
- Bureau of Land Management
- Ecological Fire Solutions LLC
- Fairmount Fire Rescue
- Kalispel Tribe of Indians
- Kittitas County Fire Protection District #1
- Kittitas County Fire Protection District #4
- Kittitas County Fire Protection District #6
- Lílwat Forestry Ventures
- Resilience Land Care
- The Nature Conservancy
- U.S. Army—Yakima Training Center
- USDA Forest Service—Okanogan-Wenatchee National Forest, Sawtooth National Forest
- Washington Prescribed Fire Council
- Washington Resource Conservation & Development Council
- Washington State Department of Natural Resources

The Cascadia TREX was supported by the Washington Department of Natural Resources and partners on the ground, including the Washington Department of Fish & Wildlife, Okanogan-Wenatchee National Forest, The Nature Conservancy, Washington Resource Conservation & Development Council, Washington Prescribed Fire Council and the Fire Learning Network, Kittitas County, and Kittitas County Fire District 1 and 6, among others.

For more about the Cascadia TREX:

Kara Karboski kara@washingtonrcd.org

For more about the TREX model:

Jeremy Bailey jeremy_bailey@tnc.org
<http://nature.ly/trainingexchanges>



Prescribed Fire Training Exchanges 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.

An equal opportunity provider

Nature Journaling Prescribed Fire

October 11-13, 2019

Orleans, CA



**EASTERN KLAMATH
RESTORATION
PARTNERSHIP**



Robin Lee Carlson
Illustration



This Nature Journaling Prescribed Fire Workshop will introduce ten participants (18 years and older) from diverse backgrounds to journaling techniques and understanding aspects of prescribed fire such as fire behavior and effects. Nature journaling does not require artistic skill, but is a way to provide open-ended, inquiry-based learning, while also bringing art and visual notetaking into the process of learning science and nature observations.

The group will be guided by several fire specialists and an illustrator, meet local experts, join several fire team briefings and observe a pre-burn area, an active burn unit and a post-burn area linked to the Klamath River [Prescribed Fire Training Exchange Program \(Trex\)](#). There will be some steep short walks, but most travel is by vehicle (provided for workshop participants). Fire safety gear provided for the training period.

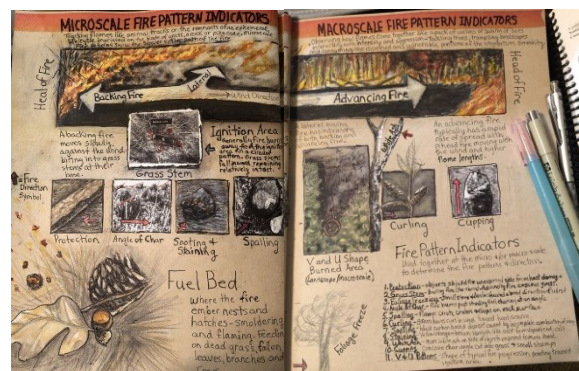
Target Group: This workshop is designed to integrate a diverse group of educators, naturalists, natural resource specialists, nature journalers, artists, and fire practitioners with varying degrees of knowledge and experience.



This Trex uses a local Type 3 Incident Management Team to manage the complexity of burning near homes and within communities, but also engages participants in cultural burning and Prescribed-Burn-Association-type burns with local partners. The nature journaling workshop is a pilot within the Trex program and originated from interest built within the Nature Journal Club and others in the nature journaling community.

Email Miriam Morrill at blm_ca_fire@blm.gov with your contact information and explain your interest, background, and home/work area no later than

September 6, 2019





Lodging will be provided Thursday, Friday and Saturday. Sunday is a half day and participants can travel home in the afternoon. Participants will be doubled-up in rooms. On Friday and Saturday, a breakfast, bag lunch and hot dinner is provided. Breakfast and lunch provided on Sunday. Participants are responsible for their own travel to and from the hotel and should arrive NO LATER THAN Thursday night (10/10/19) by 7:00 pm for a pre-briefing. We encourage you to stay for the full workshop, but we understand you may have special circumstances and can only participate for one day. You should be aware that there will be long (7am to 9pm) days in the field and traveling between sites, but the pace will be slow with many breaks provided and a long lunch period by the river. Although all applications are appreciated, priority will be given to applicants staying for the full workshop. Those selected for the workshop will receive lodging and logistical information several weeks prior to the workshop.

Required Attire and Supplies:

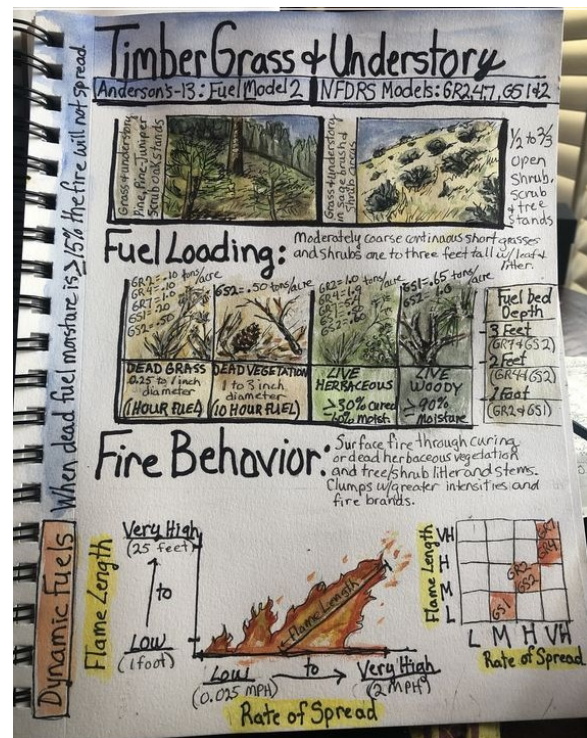
- Closed-toe hiking shoes
- Pants and long-sleeved cotton shirt
- Backpack
- Water bottle
- Hat and sunscreen
- Sketchbook or drawing pad
- Pencil or black pen

Optional Supplies:

- Watercolor paints, paint brush and water container and or colored pencils, etc.
- Small folding chair
- Camera
- Binoculars

Other Resources and References

- [Field Sketching Supplies and Naturalist Equipment](#)
- [Nature Journaling Curriculum](#)
- [The Dana Consortium Report on Arts and Cognition](#)
- [Assessment of Experimental Education in Prescribed Burning For Current and Future Natural Resource Managers](#)



The Nature Conservancy and project partners will be taking photographs and videos of group activities and journal pages developed during the workshop to support a range of communication and education efforts.

This training is supported by Promoting ecosystem Resiliency through Collaboration: Landscapes, Learning and Restoration, a cooperative agreement between The Nature Conservancy, USDA Forest Service and agencies of the Department of the Interior.



Nebraska Grazing Lands Coalition

Part Time Burn Boss

Job Description

About the Nebraska Grazing Lands Coalition:

The Nebraska Grazing Lands Coalition (NGLC) is an independent group of ranchers, interest groups, and agencies whose mission is to generate, coordinate, and collaborate with landowners, agencies, and other groups to encourage and implement programs that improve the management and health of Nebraska grazing lands to ensure long-term stability of rangeland and pasture resources. The NGLC also acts as the Nebraska representative of the Grazing Lands Conservation Initiative of the National Grazing Lands Coalition (NatGLC). Funding for three regional (Eastern, Central and Western Nebraska) part time burn boss positions are funded through a grant from the Nebraska Environmental Trust.

Position Description:

Coordinate, supervise and manage the on-going regional prescribed fire activities to control invasive Eastern Red Cedar (ERC) in infested regions across Nebraska:

- Assume responsibility for coordination of educational activities in their region to create greater acceptance within the landowner community and local fire departments about using prescribed fire to control ERC and other invasive species.
- Provide support for already established burn associations and help establish new associations as the need arises
- Participate in and help coordinate intensive training sessions with the Loess Canyon Rangeland Alliance (LCRA) for private landowners and fire departments.
- Assume involvement with writing and aid in the approval of the burn plans and for communication with local burn associations and fire department authorities.
- Coordinate prescribed burning of as many acres as possible in their region in accordance with local fire department approval, private landowner participation and acceptable climatic conditions
- Provide quarterly reports to the NGLC as part of an accountability process and for inclusion in quarterly reports to the Nebraska Environmental Trust.

Specific Work Products Required by the Position:

- Participate in sufficient number of prescribed fire training sessions as identified by the LCRA. Include regional fire departments and private land owners in training if possible.
- Coordinate and facilitate at least two prescribed fire educational activities in their region per year (preferably Fall and Spring).
- Assume responsibility for storage and maintenance of prescribed fire equipment as provided through grant funding.

- Communicate with other regional burn bosses statewide (including already established burn associations).
- Attend the annual Nebraska Prescribed Fire Conference and participate in the trade show representing NGLC.
- After sufficient training, aid in the process of writing burn plans until experience dictates the ability to write an effective burn plan that meets approval of local fire departments.
- Take the lead and function as the burn boss or work with already established burn bosses to coordinate and facilitate the burning of as many ERC infested acres as possible assuming compliance with previously approved burn plan and acceptable climatic condition.
- Submit electronic quarterly reports to the NGLC with full description of the educational activities and actual burns conducted in their region.
- Attend at least one NGLC Board meeting annually and provide update of activities.
- Submit expenses to NGLC accountant / grants administrator for reimbursement

Work product review:

- Review of the work products generated by the part time burn bosses will be accomplished by the NGLC Prescribed Fire Committee. These are three-year positions subject to annual review and renewal.

Qualifications:

- Successful work experience that supports the requirements of the position
- Valid Nebraska Driver's License
- Individual must have no felony record.
- Minimum 21 years of age.
- Lack of conflicting interests.
- Be capable of successfully completing a health & drug screening.

Work Experience: (All candidates should have demonstrated work experience as listed below, regardless of education)

- Sufficient previous experience with prescribed fire for invasive species control
- Demonstrated experience working with diverse groups including agricultural production, community development, state & federal agencies, and environmental groups.
- Demonstrated ability to manage budgets
- Demonstrated organizational, marketing, and communication skills.
- Experience with grazing management and familiarity with land issues and entities.
- Flexibility to meet scheduling variations and travel requirements.
- Ability to present a professional and friendly image to others.
- Functional computer literacy with required programs.
- Proven ability to work with and manage people.

Working Conditions and Requirements:

- Position is contracted for the work products and duties listed in this description with limited clerical support from the NGLC Coordinator and/or grants administrator.
- Position requires periodic travel, formal presentations, multi-task coordination, and field exposure to elements.
- Applicant is responsible for providing and maintaining his/her own vehicle and working within an operational travel budget with documentable expenses
- Required submission of monthly electronic timesheets, tracking hourly time expenditures toward each work product

Contract funding:

This is a contracted three year position subject to annual review and renewal. The recipient will not be considered an employee of the NGLC, nor are employment benefits included in the contract award. Funding for this position will be \$12,000 per year for three years (paid monthly). A limited travel budget is included separately for this contract (\$3,000 per year) structured as reimbursement of expenses. Expenses will be reimbursed only if receipts are provided. The contract recipient is expected to provide their own office space, vehicle, phone, access to the internet and storage facility to house prescribed burning equipment.

How To Apply:

Send a letter of interest, current resume, and list of contact information for three references by **August 30, 2019** to:

Ron Bolze, Coordinator
Nebraska Grazing Lands Coalition
315 East 5th Street
Chadron, NE 69337
ron@nebraskagrazinglands.org
402 321 0067(cell)

www.nebraskagrazinglands.org

Attempts will be made to contact all applicant by September 30, 2019