

FLN Networker No. 301: July 8, 2020

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.

News from the Field

Arkansas: The prescribed fire work of **McRee Anderson** (wanderson@tnc.org) and **The Nature Conservancy's Arkansas chapter** in **Kafue National Park** in Zambia is mentioned in the [article](#) "Space Tech Is Helping Conservation Efforts Better Inform Development in Africa."

California: About 40 local **Klamath TREX** alumni from the **Karuk Tribe, Mid Klamath Watershed Council, U.S. Forest Service** and **Orleans Volunteer Fire Department** gathered at the tip of Tishanik Bar on a warm June evening to conduct a **much-needed early summer burn**. Read all about it in the [Facebook post](#) "The Plants Are Telling Us **It's Time to Burn**" by **Will Harling** (will@mkwc.org).

Colorado: Wildfire Adapted Partnership was called out as "a **good partner**" by a homeowner quoted in the [newspaper story](#) "Many Evacuees Prepared for Approaching East Canyon Fire" (with the subhead "Residents of East Canyon **neighborhoods have mitigated fire risk**").

Colorado: The **Northern Colorado Fireshed Collaborative** is [featured](#) in a recent **case study** in a series of fact sheets from a JFSP-supported [study](#), "Co-Managing Risk or 'Parallel Play'? Examining Connectivity Across **Wildfire Risk Mitigation and Fire Response** in the Intermountain West."

Burned Area Learning Network: While the spring's **After the Flames workshop was canceled** due to COVID, some **science sessions were moved to a virtual format**. Recordings and slide decks from the post-fire science symposium are now [posted online](#). For more, contact co-organizer **Anne Bradley** (abradley@tnc.org).

Resources: Hot-Dry-Windy / Virtual Work / COVID Checklist / Restoration Standards

Hot-Dry-Windy: For a useful operational tool, check out the **Forest Service Science Findings issue** on "The **Hot-Dry-Windy Index: A New Tool for Forecasting Fire Weather**."

Virtual Work: This spring the **Interaction Institute for Social Change** held a series of **webinars** on integrating **Facilitative Leadership for Social Change** values and practices into your virtual work. **Recordings** of the four webinars are [now available](#).

COVID Checklist: **NWCG** has developed a brief [checklist](#) of **symptoms** to screen for and **best practices** reminders, ready to print as a **sticker to put in your IRPG**. (This resource and many others can also be found on the [NWCG coronavirus page](#).)

Restoration Standards: The second edition of the **International Standards for the Practice of Ecological Restoration** was released last fall by the **Society for Ecological Restoration**. A [summary document](#) gives a good overview, or see the [standards webpage](#) for the full version and supporting resources (including an [evaluation template](#)).

Articles & Reports: Common Ground / Forest Conversion

Common Ground: Although **climate change** can be a **divisive** issue, the authors of the [research letter](#) “Finding Common Ground: Agreement on Increasing Wildfire Risk Crosses Political Lines” found that “most **people accurately perceive the rising frequency** of large wildfires, and expect this trend to continue. Decision makers have an opportunity to **engage diverse stakeholders** in developing policies to mitigate increasing wildfire risk **without invoking climate change....**”

Forest Conversion: The authors of the [article](#) “Wildfire-Driven Forest Conversion in **Western North American** Landscapes” **synthesize** “a growing body of evidence of fire-driven conversion and our understanding of its causes” and assess our capacity to predict conversion, constrained as it is by numerous **uncertainties**. (A [digest](#) of the article is also available on phys.org.)

Blog: Project Firehawk

Project Firehawk: The **FAC Net** blog has started a **new series** of posts, called Project Firehawk, after the Australian raptors that [spread fire](#). The series is intended to explore—and sometimes challenge—the underpinnings of our collective work. **Annie Schmidt** (annie@thewatershedcenter.com) starts the series off with a [post](#) about **wildfire risk, ripeness for action** and **where and how to invest**.

In the News: Climate Models

Climate Models: A Yale Climate Connections [article](#), “Some New Climate Models Are Projecting Extreme Warming. Are They Correct?” discusses how some new models are “**running hot**,” and how the international climate science community is **vetting and learning from them**.

Jobs: Resource Technician / Fuels Program Manager / Rx Crew & Manager / Rx Module / Postdoc / Fire & Conservation Coordinator / AmeriCorps / Ecological Forester

Resource Technician: The **Longleaf Alliance** is seeking a **wetland resource technician** to be part of a team that supports restoration of isolated wetlands in the Gulf Coastal Plain Ecosystem Partnership landscape. See the [job announcement](#) for details; applications are due by **July 8**.

Fuels Program Manager: The **Arizona Department of Forestry and Fire Management** is seeking a **hazardous fuels program manager** (Land Manager I). Details are on the state’s jobs site ([job ID 56896](#)); applications are due by **July 10**.

Rx Crew & Manager: The **North Carolina Department of Parks and Recreation** is filling **prescribed fire crew manager** (FFT1) and **prescribed fire crew technician** (FFT2) positions. Details are on conservationjobboard.com ([manager](#); [technician](#)); applications are due by **July 11**.

Rx Module: The **Center for Environmental Management, Military Lands** ([CEMML](#)) at Colorado State University is seeking to fill a position on the **Avon Park Wildland Support Module** (Florida). Details are on the university’s jobs page ([posting 78071](#)); applications are due by **July 13**.

Postdoc: The **USGS North Central Climate Adaptation Science Center** is hiring a postdoctoral scholar in **Understanding and Managing Changing Wildfire Risk** to lead an effort on generating the fire science needed for resource management decisions in the ecosystems of the North Central region. Details are on the **University of Colorado** jobs page ([number 23080](#)); review of applications begins **July 13**.

Fire & Conservation Coordinator: The Nature Conservancy is hiring a **Georgia Southern Blue Ridge fire and conservation coordinator**, which will include work with the **FLN** in the state. Details are on Conservancy's careers page ([job ID 48849](#)); applications are due by **July 21**. (Current employees should apply through [PeopleSoft](#).)

AmeriCorps: The Nature Conservancy's **North America Fire Program** is hiring an **AmeriCorps prescribed fire member** to assist with the coordination, community support and implementation of its prescribed fire training program. Details are on the Conservancy's careers page ([job ID 48803](#)); applications are due by **July 27**. (As always, current employees should apply through [PeopleSoft](#).)

Ecological Forester: The **Lomakatsi Restoration Project** is seeking a **lead ecological forester** to further develop and implement their Ecological Monitoring and Restoration Forestry programs and serve in a leadership and program management role within the organization. Details are in the attached flyer.

Webinars

July 9
new listing

Preparedness and Recovery: The Human Dimensions of Wildfire

2:30 Pacific / 3:30 Mountain / 4:30 Central / 5:30 Eastern

A panel discussion with Alma Bowen, Charles Brooks and Luke Beckman. This webinar is part of the Wildfire in the West series offered by Stanford University; see the [webpage](#) for more, including a recording of the keynote address by Sarah McCaffrey on what motivates homeowners to mitigate fire risk.

Register: https://stanford.zoom.us/webinar/register/5715935419996/WN_tiPyB-O9T1uJqWrb_ad5Ag?mc_cid=d73467c5b2&mc_eid=913cded1cf

July 23
new listing

Restoring Resilient Ecosystems, Communities and Economies in Complex Terrain: The Western Klamath Restoration Partnership

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

Will Harling will be the presenter for this webinar hosted by the Forest Stewards Guild.

Register: <https://foreststewardsguild.org/event/restoring-resilient-ecosystems-communities-and-economies-in-complex-terrain-the-western-klamath-restoration-partnership/>

July 29

USDA Forest Service 638 Authority

1:00 Pacific / 2:00 Mountain / 3:00 Central / 4:00 Eastern (2 hours)

The webinar will cover how the agency is implementing 2018 Farm Bill provisions related to self-governance agreements (often referred to as 638 agreements or contracts) under the Indian Self-Determination and Education Assistance Act.

(Note: the same content will be offered on August 4.)

Details: <https://www.fs.usda.gov/inside-fs/out-and-about/forest-management-and-intertribal-timber-council-host-webinars-638>

August 4

USDA Forest Service 638 Authority

10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern (2 hours)

See the July 29 listing above; this webinar offers the same content.

Details: <https://www.fs.usda.gov/inside-fs/out-and-about/forest-management-and-intertribal-timber-council-host-webinars-638>

Prescribed Fire Training Exchanges (TREX)

- Sept. 28-Oct. 9** **Klamath River TREX / Northern CA**
Planning is underway—save the date.
- Oct. 19-Nov. 2** **Flagstaff TREX / Flagstaff, AZ**
See the [announcement](#) for details; [applications](#) are due by July 31.

Conferences, Workshops, Training, Etc.

- July 12-15** **45th Annual Natural Hazards Research and Applications Workshop / online**
“Active Hope in an Era of Environmental Extremes” will be this workshop’s theme.
Information: <https://hazards.colorado.edu/workshop/2020>
- September 22-24 postponed** **Great Plains Fire Summit / North Platte, NE**
This workshop has been postponed until 2021 due to COVID-19.
Information: <https://nefirecouncil.org/great-plains-fire-summit>
- Sept. 30-Oct.1** **Colorado Wildland Fire Conference / Grand Junction, CO**
Fire Adapted Colorado has rescheduled (from April) this conference focused on “Discover Your Role: Reducing Wildland Fire Risk.”
Information: <https://www.wildfire-colorado.com/>
- October 6-7 new listing** **Glades, Quail, and Prescribed Fire / Ash Flat, AR**
A half-day of presentations will be followed by a full day in the field at this workshop co-hosted by the Oak Woodlands & Forests Fire Consortium, Arkansas Game and Fish Commission and The Nature Conservancy.
Information: <https://oakfirescience.com/events/glades-quail-and-prescribed-fire-workshop-in-arkansas/>
- October 20-21 updated** **Fire Ecology Across Boundaries: Connecting Science and Management / Florence, Italy**
A two-day webinar series will serve as a prelude to this conference, which has been postponed until 2021. Webinar topics will include impacts of COVID-19 on the 2020 fire season and integration of fire ecology and the bioeconomy into wildfire management. Information: <http://fireacrossboundaries.org/>
- October 20-23 new listing** **13th Biennial Longleaf Conference / online**
Information: <https://www.longleafconference.com/>
- November 2-6** **WUI 2020 / Reno, NV**
Information: <https://www.iafc.org/events/wui/>

Send News, Links & Comments

- Emily Hohman** – emily.hohman@tnc.org – Emily is in the office.
- Heather Montanye** – hmontanye@tnc.org – Heather is out July 10, 17, 24.
- Jeremy Bailey** – jeremy_bailey@tnc.org – Jeremy is in the office.
- 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 out July 15-17.
- Liz Rank (editor)** – lrnk@tnc.org – Liz is out July 9.

Full Links

News from the Field—CA: <https://www.facebook.com/will.harling/posts/4250037465038843>

News from the Field—CO—WAP: <https://the-journal.com/articles/179267>

News from the Field—CO—Case study:

http://www.nwfirescience.org/sites/default/files/publications/FactSheet4_NoCo_Final.pdf

JFSP project: <http://www.nwfirescience.org/CoManagingRisk>

Resources—Hot-Dry-Windy: <http://www.nwfirescience.org/sites/default/files/publications/scifi227.pdf>

Resources—Virtual work: <https://networkweaver.com/bringing-facilitative-leadership-for-social-change-to-virtual-work/>

Resources—COVID checklist: <https://www.nwccg.gov/publications/461>

NWCG coronavirus page: <https://www.nwccg.gov/coronavirus#MH>

Resources—Restoration standards—Summary:

https://cdn.ymaws.com/www.ser.org/resource/resmgr/docs/standards_2nd_ed_summary.pdf

Webpage: <https://www.ser.org/page/SERStandards>

Articles & Reports—Common ground: <https://iopscience.iop.org/article/10.1088/1748-9326/ab7ace/pdf>

Articles & Reports—Forest conversion—Article:

<https://academic.oup.com/bioscience/article/doi/10.1093/biosci/biaa061/5859066>

Digest: <https://phys.org/news/2020-07-wildfires-flare-west-highlights-ecological.html>

Blog—Project Firehawk—Firehawks: <https://blog.nature.org/science/2018/01/12/australian-firehawk-raptors-intentionally-spread-wildfires/>

Blog: <https://fireadaptednetwork.org/project-firehawk-risk-ripeness-and-the-case-for-paper-bags/>

In the News—Climate models: <https://www.yaleclimateconnections.org/2020/07/some-new-climate-models-are-projecting-extreme-warming-are-they-correct/>

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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LOMAKATSI

RESTORATION PROJECT

LOMAKATSI.ORG P.O. BOX 3084 ASHLAND, OR 97520 541 488 0208

Job Announcement – Lead Ecological Forester

Based in Ashland, Oregon, Lomakatsi seeks a full-time Ecological Forestry professional with experience in project and program management to join our leadership team and growing organization. This position will have the opportunity to work across the diverse ecosystems of Oregon and Northern California, and in partnership with federal, state and municipal agencies, Tribes, and other nongovernmental organizations to design and implement landscape scale stewardship initiatives. It is preferred that applicants have a MS degree in Forestry, Forest Ecology or Natural Resources with job history as a practitioner in the fields of restoration forestry and ecosystem management.

Individuals are strongly encouraged to apply if they have documented experience in: technical writing and proposal writing; developing and managing implementation of restoration-based silvicultural prescriptions; supervising program staff; overseeing forest/fire monitoring and analyzation; ArcGIS mapping and database management; restoration program planning and supporting collaborative stewardship projects.

The successful candidate will further develop and implement Lomakatsi's Ecological Monitoring and Restoration Forestry programs and serve in a leadership and program management role within the organization. The Lead Ecological Forester will supervise 2-4 technical staff and will report to the Program Director. Duties are performed under the prioritization of Lomakatsi's leadership team.

Job Description Overview

The Lead Ecological Forester (LEF) will be part of a Lomakatsi's leadership team and will develop, engage and work with partners to help lead restoration forestry stewardship initiatives, management of collaborative agreements and contracts with federal and state agencies, Native American Tribes, nongovernment organizations and industry partners. The LEF will also work with interdisciplinary collaborative teams to co-manage ecological monitoring, restoration planning, database management and reporting.

As a key member of Lomakatsi's technical team, the LEF will report to the Program Director and work with the Restoration Operations Director and Implementation Specialist to manage the Ecological Monitoring and Restoration Forestry programs. The LEF will directly oversee 2-4 Restoration Technicians. This technical team is collectively responsible for planning, designing, implementing, managing and reporting on Lomakatsi's ecological forestry and restoration projects. Work will be proportioned between the field and office, as needed, on a project-by-project basis.

Program Areas

- Ecological Monitoring Program Management
- Restoration Program Development
- Collaborative Partnership Engagement
- Silvicultural Prescriptions
- Stewardship Initiative and Project Management
- ArcGIS Mapping and Database Management
- Funding Acquisition, Technical Proposal Writing
- Program / Project Budget Management

Duties and Responsibilities

- Manage and oversee Ecological Monitoring and Restoration Forestry programs staff, including 2-4 Restoration Technicians who will be direct reports to this position
- Work with partners to provide technical assistance in project development, planning, management, fine-scale ecological treatment design, monitoring, and implementation for ecosystem restoration projects
- Oversee Ecological Monitoring Program, including managing the collection, processing and analysis of field data—as it pertains to prescription development, databases and reporting--by working with technical field staff in conducting forest inventories
- Prepare Forest Stewardship and Conservation Activity Plans by working with state and federal agencies, private landowners and community stakeholders during restoration project development and planning
- Utilize ArcGIS to produce maps for restoration projects and co-manage associated databases
- Develop silvicultural and vegetation management prescriptions including mechanical treatment and/or prescribed fire (burn plans) for terrestrial restoration in a variety of plant associations
- Work with the leadership team and attend partner meetings to assist in the development of Stewardship and Cooperative Agreements
- Assist the Implementation Specialist with design of restoration-focused commercial thinning projects, and interpreting and developing complex ecologically-based silvicultural prescriptions
- Prepare status reports and other documents related to restoration projects
- Prepare technical documents and assist in proposal writing and funding acquisition for restoration forestry programs
- Provide site specific technical assistance, oversight, and consultation to Lomakatsi's Restoration Technicians, Crew Managers and subcontractor labor representatives

Qualifications, Experience and Skills

- Minimum of BS degree in Forestry, Forest Ecology or Natural Resources, with MS degree preferred
- At least 5 years of field work experience in applied forestry, with restoration-based forestry experience preferred
- Excellent writing skills and high degree of experience in proposal development
- Competent in the use of technical forestry equipment including GPS, ArcGIS, navigation, data gathering/processing, Relaskop, compass, increment borer, densitometer, and clinometer
- Project management and personnel supervision experience
- Excellent communication skills
- Experience with Microsoft Office—including Outlook, Word, Excel, Access, and PowerPoint—and work performed in a network environment

- Experience with Esri ArcGIS
- Ability to work independently and as a member of a team
- Possession of a valid driver's license
- Ability to orient, navigate and hike in rough terrain using map, compass and GPS
- Ability to identify native trees and shrubs
- Flexibility to work variable hours depending on project needs
- Detail-oriented, well organized, and able to juggle multiple priorities
- Ability to self-direct and take initiative
- Leadership skills along with a collaborative and collegial work style
- Ability to interact with diverse staff, community members and partners with kindness and integrity – must be culturally agile
- Ability to think strategically about planning and management
- Spanish literacy a plus
- Experience working with Native American Tribes, traditional indigenous leaders and tribal communities a plus

Benefits Package

Lomakatsi strives to provide competitive salaries and benefits within the nonprofit community.

- Salary starting at \$65,000 with potential to reach \$75,000 per year within three years.
- Paid medical, and dental plan
- Paid vacation
- 401K retirement plan

To Apply

Please provide:

- Cover letter and Resume
- 3-4 work samples that demonstrate practical experience in ecological forestry, data management and technical writing
- Three current professional references

Send to jobs@lomakatsi.org with subject "Lead Ecological Forester application." No phone calls please. Due to the high number of applicants, only considered applicants will be contacted for an interview opportunity. Position open until filled, with applications reviewed on a rolling basis. Candidates are encouraged to apply ASAP.

About Us

Lomakatsi is a non-profit organization that develops and implements forest and watershed restoration initiatives, programs and projects in Oregon and Northern California (www.lomakatsi.org). Lomakatsi has implemented ecosystem restoration projects for over 24 years across thousands of acres of forests and miles of streams. Lomakatsi works across federal, private and tribal trust lands, and is currently managing eight landscape-scale terrestrial and aquatic restoration agreements where projects are being developed within a 6-million-acre planning area. Restoring ecosystems requires a collaborative community-based approach. We facilitate partnerships and engagement among a diversity of stakeholders.

Lomakatsi employs or contracts up to 150 forest and watershed restoration personnel: including 24 fulltime programmatic, managerial and administrative staff, an in-house 50-person, on-the-ground workforce, and forestry and restoration operators from the communities where we work. Lomakatsi has worked closely with agency, tribal and community-based partners across multiple states to implement successful ecological and habitat restoration programs and has served as a lead partner and sponsor on several nationally recognized projects and initiatives.

Lomakatsi works with partners providing mentoring, technical assistance and capacity in project development, planning, management, fine-scale ecological treatment design, monitoring, and implementation for ecosystem restoration projects. Lomakatsi integrates restoration practice with science delivery, education and workforce training. Lomakatsi coordinates closely with multiple funding partners and manages a diverse workforce in complex social settings supported by critical community engagement and outreach.

Lomakatsi has an established history of working cooperatively within communities facilitating all-lands restoration partnerships with federal and state agencies for the implementation of wildlife habitat improvements, forest restoration, and watershed management. Lomakatsi also brings added capacity to address socio-economic challenges for rural forest and rangeland-based communities, by layering our existing education, and workforce development programs into initiatives and projects, including our Ecological Workforce Training and Employment Program, Tribal Ecosystem Restoration Partnership Program and Youth Ecological Training and Employment Program. Through the operation of 10 programs, our staff of restoration practitioners, foresters, ecologists, workforce trainers and educators work to increase community understanding and involvement in forest and watershed restoration.

Learn more at www.lomakatsi.org.