News from the Field

**Iowa-Oregon**: Chad Graeve ([chadgraeve@pottcounty.com](mailto:chadgraeve@pottcounty.com)) spoke to his community in Iowa about the value of his experience at the Ashland TREX in the latest issue of the Pottawattamie County Conservation newsletter.

**Kentucky**: The Cumberland River FLN landscape hosted a shared learning event this week at Cumberland Falls State Resort Park. Thirty-five resource professionals from nine agencies assembled to discuss and share experiences of management practices including controlled burning and fire surrogate activities. Six field sites provided the stage for dialogue about research relating to oak woodland creation and management, fire seasonality and intensity, benefits to pollinators and bats, transitional openings, native habitat restoration and more. Contact Chris Minor ([cminor@tnc.org](mailto:cminor@tnc.org)) for more information.

**New Mexico**: The Forest Stewards Guild’s Youth Conservation Corps are underway with 46 young men and women working on forest and watershed restoration. Fire adapted communities concepts and work are being integrated into the program, for example in the Wildland Firefighting 101 taught by Porfirio Chavarria ([pnchavarria@santafenm.gov](mailto:pnchavarria@santafenm.gov)) and training in home site risk assessments. For more about the program, see the story on SantaFe.com or contact Eytan Krasilovsky ([eytan@forestguild.org](mailto:eytan@forestguild.org)).

**Virginia & West Virginia**: Twenty-seven partners from five agencies in the Heart of the Appalachians FLN landscape gathered for a Forest Structure and Composition Protocol and Plant Identification Workshop at Douthat State Park earlier this month. They worked on identification of look-alike tree and shrub species, discussed recent changes in the protocol, completed mock plots, and reviewed preliminary results from nearly 400 permanent plots across agency boundaries. The annual workshop helps to ensure consistency of data collection, as well as providing opportunities for learning from monitoring results. For more, contact Nikole Simmons ([nikole.simmons@tnc.org](mailto:nikole.simmons@tnc.org)).

**FAC Net**: Last week the network interviewed U.S. Forest Service WUI/FAC program manager Pam Leschak. The interview, posted on the blog at fireadaptednetwork.org, wraps up with a great observation: “We must move from awareness to action, messaging to mitigation, words to work.”

**National**: In another FAC Net blog post, Nick Goulette ([nickg@hayfork.net](mailto:nickg@hayfork.net)) wrote of his participation (as well as that of several other FAC Net and FLN partners) in the White House Roundtable on Wildfire in the Wildland-Urban Interface in May.

**TREX**: Yesterday the announcement went out for the first Women in Fire Prescribed Fire Training Exchange, which will take the place of the NorCal TREX this fall. This TREX—open to both men and women—will have a special focus on women’s leadership, and will be led by a mostly-female Incident Management Team. For some reflections on the value of an event focused on women in the field, see the blog post by Lenya Quinn-Davidson ([lquinndavidson@ucanr.edu](mailto:lquinndavidson@ucanr.edu)).
Articles: Coupled Systems / Carbon / Eastern Oaks

**Coupled Systems:** The article “Wildfire Risk as a Socioecological Pathology” looks at the wildfire problems in temperate forests framed as socioecological systems, or a “coupled natural and human systems.” As such, they identify positive feedback loops that drive negative consequences, and suggest some approaches for addressing them. The FLN is briefly mentioned, and there is an interesting network analysis diagram (and discussion) of forest restoration and fire protection actors in central Oregon. The authors conclude that “a fire-adapted governance system that engages a wide array of human actors in social networks and planning processes that promote complex thinking about the future offers the best chance of mitigating the wildfire risk pathology.”

**Carbon:** The article “Non-Deforestation Fire vs. Fossil Fuel Combustion: The Source of CO₂ Emissions Affects the Global Carbon Cycle and Climate Responses” was recently published in *Biogeosciences*. The assessment looks at carbon impacts taking into account the different carbon reservoirs (geologic vs. terrestrial), net effects due to regrowth, and other factors, such as surface albedo.

**Eastern Oaks:** The article “Oak, Fire, and Global Change in the Eastern USA: What Might the Future Hold?” in *Fire Ecology* looks at how climate and socioeconomic changes might influence the future range of variation in these forests. “While it is likely that fire will be important in shaping oak forests in the twenty-first century, it is less clear exactly what that role will be.”

Reports: Restoring Black Oak / Social Science

**Restoring Black Oak:** The Pacific Southwest Research Station recently released the report “Restoring California Black Oak Ecosystems to Promote Tribal Values and Wildlife” by Jonathan Long, Kat Anderson, Lenya Quinn-Davidson, Ron Goode, Frank Lake and Carl Skinner.

**Social Science:** The Rocky Mountain Research Station’s most recent *Science You Can Use Bulletin* is “Living with Fire: How Social Scientists are Helping Wildland-Urban Interface Communities Reduce Wildfire Risk.” The eight-page bulletin draws on and summarizes research covered in several journal articles in the field.

In the News: New USFS Fire Director / Living with Fire

**New USFS Fire Director:** Shawna Legarza has been selected as the national Director of Fire and Aviation for the U.S. Forest Service, replacing the recently retired Tom Harbour.

**Living with Fire:** The *American Scientist* article “Coexisting with Wildfire” by Max A. Moritz and Scott Gabriel Knowles looks at where fire research and policy meet—or don’t meet. It also looks at fire projections, “the right kind of fire,” and the interplay of hazard and vulnerability.

For Fun: Humans & Fire

**Humans & Fire:** In a paper in *Evolutionary Anthropology*, a team from the University of Utah propose a scenario to explain humans’ earliest use of fire. The work is summarized in the *ScienceDaily* story “The Pyrophilic Primate.”

Jobs: Biologist / Planning and Partnership Coordinator / FFT2

**Biologist:** The Mendocino National Forest is conducting outreach for a forest biologist position; they hope to hire someone well versed and comfortable in wildfire use and prescribed fire and with experience in landscape-scale treatments. Details are in the attached outreach notice; replies should be submitted by June 30.
**Planning and Partnership Coordinator:** The Nature Conservancy’s Colorado chapter Forest and Fire Program is hiring a Planning and Partnership Coordinator to provide coordination, management and support to facilitate implementation of on-the-ground projects. Details are available on the Conservancy’s careers page (job ID #44371); applications are due by July 10.

**FFT2: Wildland Restoration International** is seeking a Prescribed Fire & Habitat Restoration Team Member, to be based in Gainesville, FL. Details are on the WRI website.

**Webinars**

**June 28**

SBR FLN Webinar: **Ecomath Updates**

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

Josh Kelly will be presenting the SBR FLN webinar on updates to the Ecomath burn prioritization model being used on the North Zone of the Cherokee National Forest in the Unaka Mountains of Tennessee. Join: https://nethope.webex.com/nethope/j.php?MTID=m18511b01f870ab2f2a5f5115c47220b7

Add to calendar: https://nethope.webex.com/nethope/j.php?MTID=m8dc9f2b1cbea5786050b761fd02f3d7e

**June 29**

new listing

**Legal Liability for Prescribed Fire Accidents in the Southeast**

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

Stephen McCullers will be the presenter for this Southern Fire Exchange webinar. Information & registration: https://www.eventbrite.com/e/sfe-webinar-legal-liability-for-prescribed-fire-accidents-in-the-southeast-tickets-25866758170

**June 30**

new listing

**Shortleaf Pine Restoration Plan**

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

The new Shortleaf Pine Restoration Plan will be introduced at this webinar. The Plan is the first comprehensive strategy to improve the shortleaf pine ecosystem across its entire range. Information: https://attendee.gotowebinar.com/register/3301947043228302081

**July 14**

new listing

**Land Use Planning to Reduce Wildfire Risk: Lessons from Five Western Cities**

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

The final offering in the California Fire Science Consortium’s WUI series is based on case studies in Austin (TX), Boulder (CO), Flagstaff (AZ), San Diego (CA) and Santa Fe (NM). Information: http://www.cafiresci.org/events-webinars-source/category/wui-webinars-2016?mc_cid=f91a0419ba&mc_eid=06d744032b

**July 27**

**Finding the Best Science Available on Fire Ecology and Fire Regimes in Eastern Ecosystems**

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

Robin Innes and Ilana Abrahamson will be the presenters for this webinar co-hosted by the North Atlantic Fire Science Exchange, Consortium of Appalachian Fire Managers & Scientists, and Lake States Fire Science Consortium. Information: http://www.firesciencenorthatlantic.org/events-webinars-source/2016/7/27/webinar-finding-the-best-science-available-on-fire-ecology-and-fire-regimes-in-eastern-ecosystems
FLN and FAC Net Workshops & Field Tours

June 21-23  Living in Fire Prone Forests: Managing Risk to People and Nature / Ashland, OR
The FLN and FAC Net will meet together in this workshop, with field tours focused on both fire adapted communities and the Ashland Forest All-lands Restoration, a full day of sessions, and a plenary address and public lecture by Stephen Pyne.
Information: Darren Borgias (dborgias@tnc.org)

June 26-28  Yurok-Hupa-Karuk Indigenous Peoples Burning Network / Hoopa, CA
The IPBN will address strategic direction and next steps at this workshop, using the Healthy Country Planning approach.
Information: Mary Huffman (mhuffman@tnc.org)

November 2-3  Central Appalachians FLN / Wintergreen Resort, VA
Save the date and stay tuned.

November 29  Georgia Blue Ridge FLN Annual Workshop / Blairsville, GA
Information: Malcolm Hodges (mhodges@tnc.org)

FLN Prescribed Fire Training Exchanges (TREX)

September 14-30  Spanish-language Prescribed Fire Training Exchange / Santa Fe, NM
This TREX will take place on and around the Santa Fe NF, with participants from numerous countries and U.S. states. The application deadline has passed.

October 3-15  Klamath River Prescribed Fire Training Exchange / northern California
Applications are now being accepted for this TREX based in Orleans, Salmon River and Happy Camp.

October 17-28  Women in Fire Prescribed Fire Training Exchange / northern California
Applications are being accepted for this TREX, open to both women and men, with a focus on women’s leadership. It takes the place of the NorCal TREX this year, and will encompass the same area and partners as that TREX does.
Information & application: http://www.norcalrxfirecouncil.org/wtrex-2016.html

Conferences, Workshops, Training, Etc.

July 17-20  North American Prairie Conference—From Cemetery Prairies to National Tallgrass Prairies / Normal, IL
Illinois State University Is hosting this conference, with presentations on prairie ecology, restoration, management and some innovative ideas on working lands.
Information: http://nap2016.illinoisstate.edu/

November 1-4  Longleaf Alliance Biennial Conference / Savannah, GA
Save the date for “Growing a Legacy: A Working Forest for the Long Run”
Info: http://www.longleafalliance.org/events/11th-biennial-longleaf-conference

November 2-6  Society of American Foresters National Convention / Madison, WI
Information: http://www.xcdsystem.com/safconference/website/
November 14-17  International Smoke Symposium / Long Beach, CA
The IAWF and the NWCG SmoC (smoke committee) will be hosting this in-person / virtual symposium.
Information: http://www.iawfonline.org/2016SmokeSymposium/

Nov. 28–Dec. 2  Southwest Fire Ecology Conference / Tucson, AZ
“Beyond Hazardous Fuels: Managing Fire for Social, Economic and Ecological Benefits” is being hosted by AFE and the Southwest Fire Science Consortium. Proposals for oral and poster presentations are due by June 24.
Information: http://swfireconference.org/

Send News, Links & Comments
Lynn Decker – ldecker@tnc.org – Lynn is out June 27-28.
Guy Duffner – gduffner@tnc.org – Guy is in the office Fridays.
Heather Montanye – hmontanye@tnc.org – Heather is in the office.
Jeremy Bailey – jeremy_bailey@tnc.org – Jeremy is in the office.
Mary Huffman – mhuffman@tnc.org – Mary is in the office.
Wendy Fulks – wfulks@tnc.org – Wendy is out July 1-10.
Liz Rank (editor) – lrank@tnc.org – Liz is out June 23.

Note: July 4 is a Conservancy holiday.
To stop receiving the FLN Networker, please reply to this message and include your request in the body of the message.

Full Links
News from the Field—IA-OR: http://www.pottcoconservation.com/Post/sections/46/Files/June%202016%20Conservator.pdf
News from the Field—NM: http://santafe.com/article/youth-conservation-corps-trains-for-work-on-new-mexicos-forests-and-water
News from the Field—FAC Net: http://fireadaptednetwork.org/interview-pam-leschack/
Blog post: http://fireadaptednetwork.org/2016-fire-announcing-octobers-trex/
Articles—Coupled systems: https://gallery.mailchimp.com/2263fe29f4df255d22b80097/files/Fischeretal_2016_WildfireRskSocioEcologicalPathology_FEE.pdf?mc_cid=f91a0419ba&mc_eid=06d744032b
Articles—Eastern oaks: http://www.treesearch.fs.fed.us/pubs/50958
Reports—Restoring black oak: http://www.treesearch.fs.fed.us/pubs/51080
Reports—Social science: http://www.treesearch.fs.fed.us/pubs_journals/2016/rmrs_2016_cooke_b002.pdf?mc_cid=f91a0419ba&mc_eid=06d744032b
In the News—New USFS Fire Director: http://wildfiredaily.com/2016/06/17/new-usfs-fire-director-selected/
In the News—Lving with fire: http://ht.ly/dzO0301rzG9
For Fun—Humans & fire: https://www.sciencedaily.com/releases/2016/04/160412160555.htm
Jobs—WR: http://wildlandrestoration.org/job-announcement-team-member

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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The Mendocino National Forest is currently seeking a candidate for a permanent full-time Interdisciplinary Fish Biologist/Wildlife Biologist (GS-0482/0486-12) position located at the Supervisor’s Office in Willows, CA 95988.

If you are interested in this opportunity, please respond using the Employment Outreach Database or to laurenjohnson@fs.fed.us by June 30, 2016. The vacancy announcement has not been established at this time. This outreach is to seek interest in the position.

For further information on this position, please contact:
Lauren W. Johnson
Ecosystem Management Staff Officer
Mendocino National Forest 825 N. Humboldt Avenue
Phone: 530-934-1165 (Office) E-mail: laurenjohnson@fs.fed.us

Duties Include:
This position is responsible for planning, coordinating, programming, and directing all activities related to the terrestrial and aquatic wildlife and fish, including threatened, endangered and sensitive (TES) species and critical habitat on the Unit. The incumbent is responsible for overall program management, including overseeing the current year’s budget, as well as planning for out-year funding needs.

• Interprets national and regional policies and direction and incorporates information from the Endangered Species Act and associated regulations, recovery plans, conservation strategies, management plans, and habitat requirements for TES wildlife and aquatic species into Forest programs, plans, budgets, and direction.

• Develops technical and non-technical guidelines, directives, and methods, and provides leadership for integrating habitat needs into all land and resource programs. Makes recommendations for evaluation and management of terrestrial and aquatic habitats, as they relate to general Forest resource management.

• Serves as a member of Forest interdisciplinary planning teams (IDT), including the Forest Plan revision IDT and Berryessa Snow Mountain National Monument Management Plan team. Provides detailed data and assists in formulating responses to administrative appeals, protests, and litigation concerning wildlife and fisheries resources.

• Participates in FireScape Mendocino, an all-hands, all-lands collaboration committed to the goal of expanding ecosystem restoration and beneficial fire use across the forest.

• Integrates wildlife and fishery management with other resources, such as watershed, recreation, and vegetation management. Establishes and maintains close working relationships with co-workers, non-governmental stakeholders, and state and federal agency staff counterparts.

Duty Location: Supervisor’s Office, Willows, California

The Mendocino National Forest straddles the eastern spur of the Coastal Mountain Range in northwestern California, just a three hour drive north of San Francisco and Sacramento. Some 65 miles long and 35 miles across, the Forest’s 913,306 federally owned acres of mountains and canyons offer a variety of recreational opportunities - camping, hiking, backpacking, boating, fishing, nature study, photography, and off-highway vehicle travel.

The Mendocino National Forest co-manages the Berryessa Snow Mountain National Monument (BSMNM) with the Bureau of Land Management’s Ukiah Field Office. The Monument was established to celebrate its dramatic geology, remarkable biological diversity, and rich history. The area also offers great recreation opportunities and breathtaking scenic vistas.

For information about the Mendocino National Forest go to http://www.fs.fed.us/r5/mendocino/

For information about the Berryessa Snow Mountain National Monument go to http://www.fs.fed.us/visit/berryessa-snow-mountain-national-monument#sthash.3V70uz9N.dpuf

For information about the Willows area go to http://www.glenncounty.com

This is an OPM Professional Work Series in the Natural Resources Management and Biological Sciences Group, GS-0400, dated September 2005.