

# Forest Health Monitoring Program

## Monthly Update

### August 2016

#### NEWS ABOUT FHM PARTNERS

**The U.S. Forest Service announces that Forest Service Research & Development** now has its own Facebook Page! [Like our Page](#) to learn about how Forest Service research remains at the forefront of science to improve the health and use of our Nation's forests, grasslands, and natural resources. You will learn about Forest Service research in the biological, physical, and social sciences, and how it transforms natural resource management. Also, you will hear about the people behind Forest Service science and read cool stories from Forest Service scientists and others.

#### UPCOMING EVENTS

(Items beginning with \* indicate a new listing or new information)

**August 25, 2016.** Cottage Grove, OR (Umpqua National Forest – Region 6, Dorena Genetic Resource Center 34963 Shoreview Road). Saving our Trees and Forests: The Role of Genetics and Tree Improvement in Restoring Healthy Forests Damaged by Insects, Diseases, and Climate Change. On August 25, 2016, Dorena Genetic Resource Center (Dorena GRC) will host a celebration to mark the 50<sup>th</sup> anniversary of the center. Dorena GRC is known internationally for its programs to develop disease resistance to non-native pathogens. They will also highlight other genetic- and restoration-related work and partnerships. Tours of the Center will be offered to the general public. Thank you in advance to the many employees, cooperators, and volunteers who have assisted the program over the years. An email list is being compiled for future announcements of the schedule. To help ensure you can be contacted, please send your email address to Angelia Kegley ([akegley@fs.fed.us](mailto:akegley@fs.fed.us)) and copy Richard Sniezko ([rsniezko@fs.fed.us](mailto:rsniezko@fs.fed.us)). The agenda is currently in draft stage, but will soon be ready to distribute to the compiled mailing list. For planning purposes, please RSVP if you plan to attend.

**November 2-6, 2016.** Madison, WI. The 2016 Society of American Foresters (SAF) National Convention. The theme of the 2016 SAF National Convention is *Our Transcontinental Land Ethic: Exploring the Differences that Unite Us*. A call for oral and poster presentations is posted on the [SAF web site](#). Presentation abstract submissions closed March 31, 2016. Poster abstract submissions will close **September 30, 2016**. See the conference web site for the full list of themes and topics

for which scientific and technical session abstracts are invited. Travel information is also currently posted. What the website for updated information.

## UPCOMING WEBINARS

(Items beginning with \* indicate a new listing or new information)

**\*Assessing Sustainability for Agricultural and Urban Forests.** (A live webinar sponsored by the USDA Forest Service, North Carolina State University, Southern Regional Extension Forestry, and the Texas Forest Service) Speakers: Guy Robertson (National Program Leader for Sustainability Assessment, US Forest Service), Michele Schoeneberger (US Forest Service), Dave Nowak (US Forest Service), and Hobie Perry (US Forest Service). Society is increasingly realizing the value of individual trees and forested areas found on urban, suburban, and agricultural lands, and research continues to reveal new and sometimes surprising ways in which trees in the places where we live and work provide tangible benefits for people. At the same time, the information base for understanding the nature and extent of these resources is only in the beginning stages of development. This webinar will explore issues related to agricultural and urban forests and their measurement based on findings from the recently-released Forest Service report “Assessing the Sustainability of Agricultural and Urban Forests in the United States”. CEU are available from the following organizations: Society of American Foresters, Georgia Master Timber Harvester, and the International Society of Arboriculture (several options). Instruction about how to obtain CEC [are available](#) . This webinar will be conducted at **2:00 p.m. US/Eastern on August 11, 2016** (duration 1.5 hr). To access this free webinar, visit the [webinar link](#). Please join the session 15 minutes prior to the start of the webinar. Instructions [are available](#) about how to access this event.

**\*Learn at Lunch Live Webinar:** (Sponsored by the Utah State University Forestry Extension, Utah Division of Forestry, Fire, & State Lands, and Southern Rockies Joint Fire Science Program) **Climate, Wildfire, and Erosion Ensemble Foretells More Sediment in Western USA Watersheds.** Speaker: Dr. Joel Sankey (US Geological Survey, Flagstaff, AZ; Adjunct Professor, Northern Arizona University). The area burned by wildfires has increased in recent decades and is expected to increase in the future for many watersheds worldwide due to climate change. Burned areas within watersheds increase soil erosion rates, which can increase the downstream accumulation of sediment in rivers and reservoirs. Using an ensemble of climate, fire, and erosion models, we show that post-fire sedimentation is projected to increase for more than  $\frac{3}{4}$  of watershed by at least 10% and for more than  $\frac{1}{4}$  of watersheds by at least 100% by the 2041 to 2050 decade in the western USA. In this region, 65% of the water supply originates from forested lands that are prone to wildfire, and many of the watersheds with projected increases in sedimentation are important headwaters of rivers and reservoirs that meet water demands of downstream users. No

registration is required! 1 CEU are available from the following organizations: International Society of Arboriculture, and Society of American Foresters. This webinar will be conducted at **12:00 p.m. (MST) on August 30, 2016**. To access this free webinar, visit [the webinar information site](#) for more details. Plan to access the site a few minutes early.

**The Sustainable Forest Roundtable** offers periodic webinars. For information about accessing past and future webinars, please visit [the Webinar Portal for Sustainable Forests](#).

## **Job Opportunities**

**The U.S. Forest Service, Rocky Mountain Region (R2)** anticipates advertising for the Forest Health Protection Service Center Leader position. The position may be advertised in one or more of the following series: GS-0414-12/13; GS-0434-12/13. This outreach notice is for the Gunnison Service Center Leader position, within Region 2's State and Private Forestry and Tribal Relations Director Area. The focus of this position is to operate a service center that provides leadership for forest insect and disease technical and financial assistance to federal agencies, tribes and State agencies, within the Gunnison Service Center area (southwestern Colorado). The duty station is Gunnison, CO and the incumbent reports to the Assistant Director of Forest Health Protection. For basic qualifications, the OPM qualifications handbook will be used. Duties and responsibilities may involve but are not limited to: Service to a large and diverse customer base; Leads efforts to examine and evaluate forest health issues (of native and invasive organisms) and provides technical and financial assistance and advice to FS, other federal and State agencies and tribes. This work includes annual evaluation and funding recommendations related to forest insect and disease prevention, suppression and restoration proposals; Provides technical expertise on Forest Health Protection matters in federal, State, tribal and local agency settings, including public meetings. Serves as subject matter expert, regularly interacting with FS and related agencies' External Affairs groups and numerous news media outlets; Maintains contact with National and Regional leadership, federal researchers, academia, resource managers and others regarding effective, innovative and up-to-date forest health management strategies. In cooperation with others, stays up-to-date on scientific developments in forest health and incorporates these findings, as appropriate, into all aspects of program delivery; Provides high quality forest health-related training to FS, other federal, tribal, State, local and associated entities; Works closely with local units in the development and review of land management plans (e.g., Forest Plan revisions) to ensure that forest health strategies are fully considered and incorporated. Assists in the development and review of environmental documents to ensure forest health subject matter is accurate and that documents are prepared in accordance with applicable law/policy/regulation. Assists in the development and review of

documents prepared in response to appeals of National Forest decisions that relate to Forest Health Protection; Works closely with appropriate Forest Health Protection and other resource specialists to coordinate forest health monitoring strategies; In varied settings, serves as a team leader or team member, to achieve mutual goals and objectives; Promotes technology development by supporting/participating in cooperative pilot projects, impact studies and administrative studies, including timely delivery of results to interested customers; In cooperation with Regional Office Forest Health Protection staff, incumbent is responsible for meeting national Forest Health Protection reporting requirements; Supervises two permanent employees (an entomologist and a plant pathologist) and is responsible for completion of employee performance evaluations and support of training and professional development needs. Service Center staff also includes a PFT Biological Science Technician and 1-5 seasonal employees. Incumbent is responsible for formulating and managing service center program of work, safety, and budget needs; Provides leadership and implements activities to accomplish Forest Service multicultural organization direction and Equal Opportunity and Civil Rights requirements, goals, policies, and objectives. Ensures all communication - written, oral, visual, signed - is technically sound, non-discriminatory and sensitive to all employees and publics. Creates a work environment which respects, appreciates, and accepts the contributions and perspectives of all employees; Frequent travel and field work are required. For more information on this position contact Regional Entomologist, Bob Cain, [rjcain@fs.fed.us](mailto:rjcain@fs.fed.us) (303)275-5463. Please indicate your interest in this position by filling out and submitting the Outreach form, attached to this Update as Attachment 1, by **August 19, 2016**. *USDA is an Equal Employment Opportunity Provider and Employer.*

**The U.S. Forest Service, Northern Research Station** announces an early alert for a Research Ecologist position to be located in Morgantown, WV. The USDA Forest Service (an equal opportunity employer) anticipates hiring a permanent, full-time scientist to conduct research on ecology of invasive species including gypsy moth. The scientist is a member of a team conducting research on “Ecology and Management of Invasive Species and Forest Ecosystems”. Duties: Primary duties are to design and conduct studies on invasive forest pests including research in support of a program to slow the spread of the gypsy moth. This involves the use of spatial analysis and geographical information systems to analyze large amounts of data from pheromone trapping grids. These analyses are then applied to evaluate the effectiveness of the program and make recommendations for increasing its effectiveness. Other research will include studies to improve management of invasive species and increase understanding of the mechanisms and processes that drive biological invasions. Qualifications: MS or Ph.D. in entomology or related fields. Experience with insect population ecology is required. Proficiency in statistical analysis, GIS, and technical writing and speaking skills are essential. Must be a US citizen. Ph.D. is desirable. Travel is required. The scientist’s duty station will be located in Morgantown, WV where data analysis support, and collaborations

with other scientists and members of the Northeastern Area Slow the Spread Program are available. It is anticipated that the position will be officially advertised in fall-winter 2016-2017 both within the federal government and externally on the U.S. Government's official [web site](#) for employment opportunities. All people responding to this early alert will be notified when and how to apply for the position. Interested persons may send a résumé to or contact Dr. Andrew Liebhold, USDA Forest Service, 180 Canfield St., Morgantown, WV 26505-3180; (304) 285-1512; fax (304) 285-1505; email: [aliebhold@fs.fed.us](mailto:aliebhold@fs.fed.us). *USDA is an Equal Employment Opportunity Provider and Employer.*

## **PUBLICATIONS OF INTEREST**

1. **Mortenson, L.A.; Hughes, R.F.; Friday, J.B.; Keith, L.M.; Barbosa, J.M.; Friday, N.J.; Liu, Z.; Sowards, T.G.** 2016. Assessing spatial distribution, stand impacts and rate of *Ceratocystis fimbriata* induced 'ōhi 'a (*Metrosideros polymorpha*) mortality in a tropical wet forest, Hawai'i Island, USA. *Forest Ecology and Management*. 377: 83-92.
2. **Spetich, M.A.; Fan, Z.; He, H.S.; Wang, W.J.; Crosby, M.K.; Shifley, S.R.** 2016. Oak decline across the Ozark Highlands—from stand to landscape and regional scale processes. In: Proceedings of the 18th biennial southern silvicultural research conference. e-Gen. Tech. Rep. SRS-212. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 641. P.

## **FOR MORE FHM INFORMATION**

Visit the [FHM homepage](#) and the [Forest Health Portal](#) or access both via the [USDA Forest Service homepage](#)

## OUTREACH RESPONSE

**The position may be advertised in one or more of the following series:**

**GS-0414-12/13 or GS-0434-12/13**

Submit the completed form by August 19, 2016

**Contact Information:** Once you complete the enclosed form, please submit it to Bob Cain at [rjcain@fs.fed.us](mailto:rjcain@fs.fed.us); or by mail to 740 Simms Street, Golden, Colorado 80401. If you have questions or need additional information, please contact Bob Cain at 303-275-5463.

Name:	
Current Position/Title:	
Employer / Forest	
Salary / Grade / <i>Series</i>	
Mailing Address:	
Email Address:	
Telephone Number:	

**Brief Description of Experience:**