

# Forest Health Monitoring Program Monthly Update - Supplement October 29, 2018

## Upcoming Webinars

- \* **October 30, 2018 at 12:00 p.m. Mountain Daylight time. Streamwater Nitrogen and Forest Dynamics.** (Sponsored by Utah State University Forestry Extension)  
Speaker: Chuck Rhoades (U.S. Forest Service, Rocky Mountain Research Station). Unlike the predictable vegetation and ecosystem changes typical after wildfire or timber harvesting, the outcomes of insect outbreaks remain poorly understood. Historic forest management alters stand structure, species composition and tree susceptibility during beetle outbreaks. For example, forest mortality and stream N export are lower in multiple-age stands compared to old-growth watersheds with proportionally more, large lodgepole pine trees. Tree regeneration and nutrient cycling following combined bark beetle and wildfire disturbances are also modified by historic harvesting. These current studies underscore the legacy of forest management and how it contributes to post-disturbance responses. Chuck Rhoades studies the biogeochemical processes that regulate delivery of clean water and that sustain productive soils and forests. His current research involves soil and water responses to fuel reduction treatments, post-fire rehabilitation activities, and wild and prescribed fires. For the past decade, much of his research has related to the watershed effects of extensive bark beetle outbreaks and associated forest management activities. CEU available the day of the webinar: Society of American Foresters OR International Society of Arboriculture. To register for this free webinar symposium, visit the webinar [registration site](#). Plan to join the webinar 15 minutes early.

## Job Opportunities

**The Minnesota Department of Natural Resources** is currently advertising three positions of NR Forestry Regional Specialist (working title: Insect & Disease). One position each will be located at Bemidji, Brainerd, and Grand Rapids. The positions are full time and exist to manage the Forest Health Program within a region. The responsibilities include:

- Collaborate with the State Forest Health Implementation Team to design, develop, and implement a comprehensive Minnesota Forest Health Program that offers training, materials, and assistance to Department of Natural Resources staff. Provide administrative and technical oversight of the Region Forest Health Program; and design, coordinate and implement forest health surveys and assessments.
- Develop, analyze, and interpret forest health information and management strategies to ensure management and the public are informed through public

presentations, radio, television, news articles, and scientific publications. Develop and deliver educational and informational resources and publications to various audiences to integrate and implement ecosystem-based pest management practices and educate selective and proper use of pesticides. Coordinate training activities with other divisions and agencies.

- Operational support: Develop and deliver educational programs and materials. Train natural resource staff in the implementation of forest health management recommendations.
- Formal training: Complete formal Division of Forestry classroom and field training sessions as assigned.
- Frequent travel is required to implement the Forest Health Program across the region and at times statewide.

The positions were posted on October 22, 2018 and the **closing date is November 5, 2018**. For more information, including qualifications and instructions for applying, see the [full position announcement](#) on the Minnesota Careers web site and enter “forestry” in the keywords box. The announcement is called “NR Forestry Regional Spec – 27166”. *The State of Minnesota is an equal opportunity, affirmative action, and veteran-friendly employer. We are committed to providing culturally responsive services to all Minnesotans. The State of Minnesota recognizes that a diverse workforce is essential and strongly encourages qualified women, minorities, individuals with disabilities, and veterans to apply. Minnesota Department of Natural Resources (DNR) encourages participation in all its programs, services and activities and does not discriminate against qualified applicants with disabilities. Anyone who believes they may need a reasonable accommodation in order to fully participate in the job application, interview or selection processes may contact any agency official with whom applicant has contact in the processing of their employment application to request an accommodation. Applicants may also contact the DNR’s Affirmative Action office to request an accommodation by: E-mail: [ADAdiversity.DNR@state.mn.us](mailto:ADAdiversity.DNR@state.mn.us) or by calling Sarah Spence-Koivisto at 651.259.5016; or using MN Relay 711*

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