
Forest Health Monitoring Program
May Monthly Update
May 25, 2010

Recent Happenings

The FHM Management Team met on April 28 and 29, 2010 in Fort Collins, CO. The following topics were discussed: national and regional program updates and plans, resolutions from the 2010 FHM Work Group meeting, and planning for the 2011 FHM Work Group meeting. For a list of MT members see: <http://www.fs.fed.us/foresthealth/fhm/staff/staff.shtml>

Upcoming Events (items beginning with * indicate a new listing or new information added)

July 20-23, 2010. The 53rd Southern Forest Insect Work Conference. This conference will held at Wilmington, NC. Entomologists from the South and other areas of the country (along with others such as pathologists) gather to present papers, discuss programs and network. It is one of the best-attended meetings by State and federal entomologists. Complete information on the meeting can be viewed at: <http://sfiwc.org> . Note the instructions about room availability and room reservations. If questions, contact William P. Shepherd (USDA Forest Service) at williamshepherd@fs.fed.us or by phone at 318-473-7256.

August 9-13, 2010. Sundsvall, Sweden. Northern Primeval Forests: Ecology, Conservation and Management. This scientific conference is sponsored by the Nordic Forest Research Cooperative and The Swedish Research Council Formas. Sizeable areas of the Northern hemispheres' forests remain unmanaged by man. These primeval forests not only harbour unique conservation and recreational values, but also provide important reference areas, critical to our understanding of forest structure, composition and processes. The scientific scope of the conference will gather researchers, administrators and conservation managers from a wide spectrum of regions and disciplines. Results will aid in designing scientifically well-founded strategies to deal with current threats to forest biodiversity. Topics: Old growth forests; What is efficient protection of natural forests?; Restoring naturalness; Protecting natural forests in an era of climate change; Disturbance dynamics; Carbon sequestration in natural forests; Biodiversity value of old-growth forest remnants; Primeval forests as sources for genetic diversity; Old growth elements in managed forests; and People and old growth. Details including deadlines for abstract submission and registration are found at the following website: <http://www.prior2010.org/index.html> .

October 5-7, 2010. Knoxville, TN. FIA Symposium 2010: Monitoring Across Borders. The USDA Forest Service, Forest Inventory and Analysis (FIA) program and the Southern Mensurationists are pleased to announce: "Monitoring Across Borders," and the opportunity to participate in the FIA Symposium 2010. The symposium will shed new light on contemporary issues, science policy, mensuration, remote sensing/GIS/geo-spatial products, and other topics. The theme of the symposium is intended to include monitoring across biomes, spatial scales, regions, etc. The first call for papers has been issued and abstracts are due June 25, 2010. Abstracts and questions should be sent to Will McWilliams (USDA Forest Service) at wmcwilliams@fs.fed.us. For the complete first call for papers, visit the symposium website at www.fia.fs.fed.us/symposium.

October 20-21, 2010. North Lake Tahoe, CA. The National Atmospheric Deposition Program (NADP) Annual Meeting and Scientific Symposium. The call for abstracts has been issued for the symposium, which has the theme "Networking the Networks". NADP is an internationally recognized cooperative

program that provides long-term, high-quality precipitation chemistry and other measurements to evaluate temporal and spatial trends in atmospheric deposition. NADP monitoring networks measure acids, nutrients, base cations and mercury in precipitation. Data from NADP networks and CASTNet (the Clean Air Status and Trends Network) dry deposition network support research on multi-pollutant source/receptor relationships, the potential for deposition effects on terrestrial and aquatic ecosystems, and biogeochemical cycling of pollutants. NADP's mission also includes outreach to science educators and the general public. The meeting is intended for scientists, policy-makers, resource managers and students interested in climate change, air quality, atmospheric deposition and its effects on natural and cultural resources. NADP subcommittee meetings, open to all, convene October 18. The Scientific Symposium will be held on Wednesday and Thursday, October 20-21. This will include a poster session and reception on Wednesday evening October 20. An optional research/educational field trip is planned for Friday, October 22, to the Tahoe Environmental Research Center. Abstracts for oral and poster presentations are invited on all aspects of environmental monitoring networks including descriptions of the networks themselves, application and use of network data for management and policy decisions, research linking network data to ecological responses, ideas for new techniques or improvements to networks, and approaches for linking monitoring data across networks. An emphasis on air quality and atmospheric deposition is recommended, but not required. Please e-mail abstracts (400 word-one page limit), including authors, affiliation, phone number, mail and e-mail addresses to Kathy Douglas at kedougl@illinois.edu. Please note whether an oral or poster presentation is preferred. Abstracts are due Friday July 16, 2010. For questions about the symposium or student support, please contact Pam Padgett, USDA Forest Service, Pacific Southwest Research, Riverside CA 951-680-1584 or ppadgett@fs.fed.us. Direct other inquiries to Kathy Douglas at the Program Office, 217-333-7871.

Publications of Interest

Auclair, A.N.D.; Heilman, W.E.; Brinkman, B. 2010. Predicting forest dieback in Maine, USA: a simple model based on soil frost and drought. *Can. J. For. Res.* 40(4): 687-702.

Venette, R.C.; Kriticos, D.J.; Magarey, R.D.; Koch, F.H. [and others]. 2010. Pest risk maps for invasive alien species: a roadmap for improvement. *BioScience*. 60:349-362.

Woodall, C.W.; Conkling, B.L.; Amacher, M.C.; Coulston, J.W.; Jovan, S.; Perry, C.H.; Schulz, B.; Smith, G.C.; Will Wolf, S. 2010. The Forest Inventory and Analysis Database Version 4.0: Database Description and Users Manual for Phase 3. Gen. Tech. Rep. NRS-61. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station. 180 p. available online: www.nrs.fs.fed.us/pubs/35009

The Pennsylvania Invasive Species Management Plan is now available on the Pennsylvania Invasive Species Council website: <http://www.invasivespeciescouncil.com/>.

Job Announcements

The USDA Forest Service Pacific Northwest Research Station anticipates advertising a permanent, full-time Research Forester or Ecologist position, GS-0460/0408-11/12. This position is located in the Pacific Northwest Research Station Anchorage Forestry Sciences Lab in Anchorage, Alaska. The scientist will provide leadership in the design and analysis of forest inventories and report on, through scientific peer review, innovative inventory techniques and analyses of critical natural resource issues in Alaska. Responsibilities include integrating extensive field data with ancillary information (e.g., remote sensing)

to (a) provide statistically valid estimates of trends in forest land cover, carbon pools, and species composition over time, and (b) explore the causal relationships for those trends—e.g., management, disturbance, disease, and climate. This position offers many challenges and is likely to involve interaction and collaboration at both the local and national level. Experience with forest measurement and compilation, current statistical techniques and sampling methods, interdisciplinary research, grant writing and publishing is essential. Interested applicants, or those desiring further information, are encouraged to contact Andrew Gray, Team Leader, by telephone (541-750-7252), email (agray01@fs.fed.us) or mail (Forestry Sciences Lab, 3200 SW Jefferson Way, Corvallis, OR 97331) to express their interest in applying for the position and to ensure notification when the position is advertised. The position will likely open in June/July, 2010, and will be posted at <http://www.usajobs.opm.gov/>. USDA is an equal opportunity employer.

The USDA Forest Service Pacific Northwest Research Station anticipates advertising a permanent, full-time Research Ecologist or Botanist position, GS-0408/0430-11/12. This position is located in the Pacific Northwest Research Station Portland Forestry Sciences Lab in Portland, Oregon. The scientist will provide leadership in the design and analysis of forest inventories and report on, through scientific peer review, innovative inventory techniques and analyses of critical natural resource issues. The primary responsibility for this position will be to help lead a national effort to implement measurement and analysis of epiphytic lichens as indicators of trends in air pollution, climate change, and forest sustainability. Responsibilities include integrating extensive field data with ancillary information to provide statistically valid estimates of trends in forest attributes, and explore the causal relationships for those trends. This position offers many challenges and is likely to involve interaction and collaboration at both the local and national level. Experience with lichen measurement and analysis, current statistical techniques and sampling methods, interdisciplinary research, grant writing and publishing is essential. Interested applicants, or those desiring further information, are encouraged to contact Andrew Gray, Team Leader, by telephone (541-750-7252), email (agray01@fs.fed.us) or mail (Forestry Sciences Lab, 3200 SW Jefferson Way, Corvallis, OR 97331) to express their interest in applying for the position and to ensure notification when the position is advertised. The position will likely open in June/July, 2010, and will be posted at <http://www.usajobs.opm.gov/>. USDA is an equal opportunity employer.

The Washington State Department of Natural Resources is currently advertising for a Forest Health Aerial Survey Technician position. The job classification is Agricultural Research Technologist 3, and is located in Olympia, WA. The primary duties of the aerial surveyor are to detect and map insect, disease and other disturbance activity throughout the forests of Washington State. This position will act semi-autonomously and in conjunction with a U.S. Forest Service counterpart to accomplish the mission as safely and efficiently as possible within the constraints of federal and agency policies and procedures such as multilevel aviation safety plans. Aerial sketchmapping is a demanding and challenging mission. The survey is flown at approximately 1,000 feet above ground level in a small fixed-wing aircraft. The aerial survey typically lasts from July to September. Other duties will include using GIS software to generate data summaries and maps, preparing reports, ground checking “unknown” damage to forests, and performing basic forestry measurements under the direction of scientists for research purposes. The recruitment number is 2010-05-7044 and is open until filled. For more information about the position including complete instructions for applying, please download the Forest Health Aerial Survey Technician job announcement located at <http://www.dnr.wa.gov/AboutDNR/Employment/Pages/Home.aspx>. The Washington State Department of Natural Resources is an equal opportunity employer.

The Wisconsin Department of Natural Resources is currently advertising for a Regional Forest Health Specialist position. This position is responsible for statewide forest health protection duties at the regional level for native, exotic and invasive forest pests. It services nine counties in the West Central Region and periodically works across regional boundaries to address Divisional priorities. The position works with

public land managers, tribes, forest industry, urban communities and private landowners and provides complex insect and disease management recommendations in multiple ecological forest habitat types. The position has emergency response duties on the Wisconsin Rapids Fire Management Incident Team and the statewide Forest Health Incident Team. The job duties are as Regional Forest Health Specialist statewide for native, exotic and invasive forest pests; to provide technical forest health expertise on native and non-native forest insect and disease problems to Department foresters, other public forest managers, community and urban forestry staff, private land managers, and the public; to prepare and distribute forest pest management information such as newsletters, reports, craft articles, and other print materials, web site updates, and technical expertise to inform and educate Department staff, forestry partners, the media and the community on native and non-native insect and disease management or suppression options. For complete details about the position including how to apply and the contact for questions, see the position announcement at http://wisc.jobs/public/job_view.asp?annoid=40537&jobid=40052&index=true. The application deadline is **May 27, 2010**. The Wisconsin Department of Natural Resources is an equal opportunity employer.

FHM Homepage : www.fs.fed.us/foresthealth/fhm/
or access via the USDA Forest Service homepage at www.fs.fed.us