

2018 Forestry & Wildlife Research Review

January 11, 2018 from 9:30am - 4:45pm, Cloquet Forestry Center



UPDATED AGENDA

8:45am	Check-in opens	
9:30am	Welcome and agenda review	Eli Sagor, <i>UMN-SFEC</i>
9:35am	<p>Block 1</p> <p>Climate-driven changes in future Minnesota mammal species</p> <p>Emerald Ash Borer and Black Ash: Wildlife Impacts ⚡</p> <p>Enhancing the U.S. Forest Service Forest Inventory and Analysis database for supporting wildlife assessment</p> <p>Impact of Latent (hidden) Diplodia Infections on Planted Red Pine Seedlings ⚡</p> <p>Effects of Alternative Silvicultural Methods on Black Spruce Tree and Stand Dynamics</p>	<p>Ron Moen, <i>UMN-Duluth</i></p> <p>Alexis Grinde, <i>NRRI</i></p> <p>Mark Nelson, <i>USFS-NRS</i></p> <p>Brian Schwingle, <i>MN DNR</i></p> <p>Brian Anderson, <i>UMN-FR</i></p>
10:50am	Break and poster session	
11:20am	<p>Block 2</p> <p>LiDAR Derived Topographic Riparian Areas ⚡</p> <p>First-Year Effects of Biochar and Weed Control on Jack Pine (<i>Pinus banksiana</i>) Survival and Growth ⚡</p> <p>Coastal Adaptations: Forests and Freshwater</p> <p>Assessing Quaking Aspen Stress and Mortality Along a Climate Gradient in Northern Minnesota ⚡</p> <p>Inventory of Northern White-Cedar Regeneration and Factors Affecting Seedling Establishment and Growth</p> <p>Temperature and Water Level Effects on Greenhouse Gas Fluxes from Black Ash Wetland Soils ⚡</p> <p>Forest Loss in Minnesota Since European Settlement ⚡</p>	<p>Jennifer Corcoran, <i>DNR-RA</i></p> <p>Sara Kelso, <i>UMN-FR</i></p> <p>Meredith Cornett, <i>TNC</i></p> <p>Ryan Ness, <i>BSU</i></p> <p>Laura Reuling, <i>WI DNR</i></p> <p>Alan Toczydlowski, <i>UMN-FR</i></p> <p>Peter Jacobson, <i>DNR-Fisheries</i></p>
12:30pm	Lunch and poster session	

1:20pm	<p>Block 3</p> <p>Examining the effects of timber management on water quantity and water quality in the Upper Midwest</p> <p>Ten Years Post-Harvest: Results from the Wisconsin Northern Hardwoods Managed Silviculture Study</p> <p>Recent and ongoing silviculture research at the Cloquet Forestry Center ⚡</p> <p>Lake States Maple Syrup Producers and Their Attitudes Towards and Responses to Economic, Social, Ecological, and Climate Challenges</p> <p>Seedling Response to Adaptive Silviculture Treatments Aimed at Climate Change in Northern Minnesota ⚡</p> <p>A 2016 Profile of Minnesota Logging Business Owners</p> <p>Minnesota Breeding Bird Atlas ⚡</p>	<p>Lucy Rose, <i>UMN-FR</i></p> <p>Dustin Bronson, <i>WI DNR</i></p> <p>Kyle Gill, <i>UMN-CFC</i></p> <p>Stephanie Snyder, <i>USFS</i></p> <p>Jacob Muller, <i>UMN-FR</i></p> <p>Charlie Blinn, <i>UMN-FR</i></p> <p>Nicholas Walton, <i>UMD-NRRI</i></p>
3:03pm	Break and poster session	
3:35pm	<p>Block 4</p> <p>Does Wildland Fire Cause Increases in Mercury in Fish?</p> <p>A foundational data set characterizing historic forest attributes and disturbance patterns</p> <p>Urban Tree Canopy Mapping and Measuring using High-Resolution Remotely Sensed Data</p>	<p>Trent Wickman, <i>USFS-Eastern Region, Duluth</i></p> <p>Jody Vogeler, <i>UMN-FR</i></p> <p>Trevor Host, <i>UMN-FR</i></p>
4:45pm	Closing Remarks and adjourn	

⚡ Denotes a Lightning Talk

Poster-only presentations not listed above:

Methylmercury Accumulation in Wildlife in an Upland Forest-Peatland Habitat. Susan Eggert, *USDA-NRS*

Mapping of Black Ash Forest Threatened By Emerald Ash Borer In Northern Minnesota, USA. Peder Engelstad, *CSU*

Individual detection and plot-wide estimation of coarse woody debris density and volume using airborne LiDAR, Michael Joyce, *UMD-NRRI*