

# Sustainable Forests Education Cooperative

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## 2016 Forestry and Wildlife Research Review



SFEC's 12th Annual Forestry and Wildlife Research Review will bring natural resource managers up to speed on a wide variety of new research, all presented with a focus on real-world management implications. This year's presentations will address thinning influences on red pine drought response, native plant community sampling, moose population status and browse patterns, songbird response to timber harvest, fire severity impacts on forest carbon, culturally-modified trees in the BWCA, new technology to improve biomass dry-down, ticks, gypsy moth, forest parcelization, and much more. If you only attend one research event all year, this should be it.

- Date:** Tuesday, January 12, 2016
- Time:** 8:45 a.m. until 3:45 p.m. (check-in opens at 8:15 a.m.)
- Location:** Cloquet Forestry Center, 175 University Rd, Cloquet MN 55720 ([map](#))
- Speakers:** 15+ researchers discussing the applied results and implications of their work
- [Agenda](#) and [PDF flyer](#)

### Content

- [RR handout packet](#) (PDF), including agenda and abstracts
- [Presenters' slides](#) (PDF)

### Photos



### Contact Us

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### Tweets from @MNForestEd Follow

**UMN SF...** @MNFores... · Sep 21  
Brian Palik gave a great talk yesterday called Adaptive Silviculture for Climate Change: Lessons for timber-oriented managers.

If you missed it, here's the recording:  
[sfec.cfans.umn.edu/2022-webinar-s...](https://sfec.cfans.umn.edu/2022-webinar-s...)



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**UMN SF...** @MNFores... · Sep 20  
Starting in 15 minutes: Adaptive Silviculture for Climate Change



## 2016 Forestry and Wildlife Research Review

January 12, 2016 from 8:45am – 3:45pm, Cloquet Forestry Center

### Morning Agenda (subject to minor changes)

8:15am	Check-in opens	
8:45am	<b>Welcome and agenda review</b>	Eli Sagor, <i>UMN-SFEC</i>
9:00am	<p><b>Block 1: Silviculture</b></p> <ul style="list-style-type: none"> <li>- Influence of aggregated overstory retention on regeneration and biodiversity in aspen-dominated forests 2-12 years post-harvest</li> <li>- Extrapolating 50 years of native plant community sampling to inform forest management planning</li> <li>⚡ The Great Lakes Silviculture Library: Intelligent tinkering, shared</li> <li>- Thinning reduces vulnerability of red pine growth to drought</li> <li>⚡ Building partnership and resolving conflict: Preliminary analysis of perspectives from USFS tribal relations program managers</li> </ul>	<ul style="list-style-type: none"> <li>-Miranda Curzon, <i>UMN</i></li> <li>-David Wilson, <i>UMN-FR</i></li> <li>-Eli Sagor, <i>UMN-SFEC</i></li> <li>-Brian Palik, <i>USFS-NRS</i></li> <li>-Mike Dockry, <i>USFS-NRS</i></li> </ul>
10:15am	Break and poster session	
10:45am	<p><b>Block 2: Wildlife</b></p> <ul style="list-style-type: none"> <li>⚡ Superior National Forest's Canada lynx DNA database <b>and</b> Summer bat survey, monitoring and research in Minnesota 2013-2015</li> <li>- Understanding the moose decline in northeastern Minnesota</li> <li>- Assessing moose browsing patterns</li> <li>- Recent Research on Minnesota Forest Birds</li> </ul>	<ul style="list-style-type: none"> <li>-Tim Catton, <i>USFS – Superior NF</i></li> <li>-Glenn DelGiudice, <i>MN DNR</i></li> <li>-Christina Maley, <i>1854 Treaty Authority</i></li> <li>-Gerald “Jerry” Niemi, <i>UMD-NRRI</i></li> </ul>
Noon	Lunch and poster session	

## Afternoon Agenda (subject to minor changes)

1:00pm	<p><b>Block 3: Other</b></p> <p>⚡ Post-fire forest floor fire severity index relationships with forest floor and soil carbon, nitrogen &amp; mercury pools: Issues of scale</p> <ul style="list-style-type: none"> <li>- Natural resource managers' perceptions of forest land parcelization trends, drivers, and impacts in the Lake States</li> <li>- Biomass dry-down: Fuel benefits and site impacts</li> </ul> <p>⚡ Management implications for private forestland when there are multiple owners</p> <ul style="list-style-type: none"> <li>- Identifying and preserving Heritage Forest Stands through tree-ring records: Culturally-modified trees in the BWCA Wilderness</li> </ul>	<ul style="list-style-type: none"> <li>-Randy Kolka, <i>USFS-NRS</i></li> <li>-Mike Kilgore, <i>UMN-FR</i></li> <li>-Brad Jones, <i>ICC</i></li> <li>-Stephanie Snyder, <i>USFS-NRS</i></li> <li>-Evan Larson, <i>UW-Platteville</i></li> </ul>
2:15pm	Break and poster session	
2:45pm	<p><b>Block 4: Insects &amp; Invasives</b></p> <ul style="list-style-type: none"> <li>- Assessing the acarological risk of human exposure to tickborne pathogens in Minnesota</li> <li>- A new research center at the University of Minnesota on terrestrial invasive species (15 min)</li> <li>- Dispersal capacity of late instar gypsy moth larvae (<i>Lymantria dispar</i>) and implications for wood products movement</li> </ul>	<ul style="list-style-type: none"> <li>-Jenna Bjork, <i>MDH</i></li> <li>-Rob Venette, <i>UMN</i></li> <li>-Rachael Nicoll, <i>UMN</i></li> </ul>
3:45pm	Adjourn	

⚡ Lightning Talks are 5-minute overviews by poster presenters – visit the poster session to learn more.