

## Sustainable Forests Education Cooperative

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# 2022 Forestry and Wildlife Research Review and MN SAF Annual Meeting



For the second straight year, SFEC and the Minnesota Society of American Foresters will team up to offer a multiday event to include SFEC's annual Forestry and Wildlife Research Review.

The purpose of the event is to present new applied research relevant to regional natural resource managers, with a focus on silviculture, forest management, and forest-associated wildlife. This focus includes research related to policy, economics, inventory, remote sensing, and other topics pertaining to forests and associated natural resources. We hope to be in person this year, but we do plan to offer a remote attendance option for those unable or uncomfortable attending in person. Registrants will have access to recordings of most presentations after the event.

**Event Covid-19 Guidelines:** The University of Minnesota requires that a [well-fitting mask be worn at all times](#) within UMN facilities. If you have any [Covid-19 symptoms](#), please stay home and tune in remotely.



### Agenda in brief

#### Tuesday, February 15

The afternoon on the first day of the Research and Practice Review will be a time for SAF Executive committees to meet and an opportunity for poster presenters to set up their posters.

#### Wednesday, February 16

The second day starts off with research and practice talks with an emphasis on wildlife and lowland conifers in the morning and a keynote delivered by Jamie Dahl, a doctoral candidate and instructor focusing on the Human Dimensions of Natural Resources with Colorado State University, followed by a panel discussion with five Minnesota foresters. After lunch on site we have more research and practice talks planned for the afternoon discussing Minnesota's wildlife and upland conifers and a banquet offsite to close out the second day. The evening social hour at The Buffalo House begins at 6 pm followed by the banquet and a live episode of the Camp 8 podcast at 7 pm.

#### Thursday, February 17

The final day of the Research and Practice Review begins with a MN SAF business meeting followed by two sessions of research and practice talks covering human dimensions and urban forestry before lunch on site. The last two blocks of talks on floodplain silviculture and our aspen resource take place after lunch.

**Dates:** February 15-17, 2022, with most content presentations Feb. 16 and 17.

**Location:** Cloquet Forestry Center, with a remote attendance option

**Agenda:** [Full agenda available here.](#)

**Cost:** SFEC or MNSAF members: \$110, nonmembers \$180, students \$55. Registration cost is the same for in-person and remote attendance. All registrants will have access to recordings and other content.

[Register Here!](#)

Registration questions? Contact [ext-reg@umn.edu](mailto:ext-reg@umn.edu).

### Three lodging options:

**AmericInn (Cloquet):** 15-20 rooms reserved at \$99 per night for February 15 and 16.

Use "SFEC SAF Meeting" to access block. Available until 1/15/2022. Mix of single and double occupancy options.

**Super 8 (Cloquet):** 15-20 rooms reserved at \$99 per night for February 15 and 16.

Use "SFEC SAF Meeting" to access block. Available until 1/15/2022. Mix of single and double occupancy options.

**Cloquet Forestry Center:** Apx 28 rooms available @ \$40 single occupancy or \$60 double occupancy.

All interested learners are welcome. For accommodations related to ability please contact Eli Sagor at [esagor@umn.edu](mailto:esagor@umn.edu).

#### Uploaded files:

[mn\\_rpr22\\_schedule\\_v1.46.pdf](#)

### Contact Us

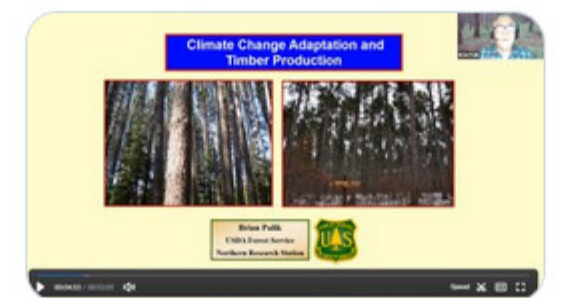
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### Tweets from @MNForestEd [Follow](#)

**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...)



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

# SFEC and MNSAF's 2022 Forestry and Wildlife Research and Practice Review

February 15-17 at the Cloquet Forestry Center

## Tuesday, February 15

1:00-4:00 SAF State Executive Committee Meetings

## Wednesday, February 16

Time

8:00am Open registration (in-person) and Zoom space (online)

8:30am Opening remarks and agenda review

Sagor and Gill

### Block 1

8:40-8:55 Evaluating forest composition, structure, and regeneration in tamarack forests impacted by eastern larch beetle Shaunette

8:56-9:01 Influence of Disease Agents on Regeneration Health and Composition in Lowland Black Spruce Post-Harvest Gorman

9:02-9:07 Landscape-level assessment of lowland black spruce forest susceptibility to ESDM infestation in MN Gray

9:08-9:13 The Breeding Ecology and Post-Fledging Habitat Use of Boreal Chickadees in Forested Peatlands Snow

9:14-9:29 Connecticut Warbler breeding ecology and habitat use in lowland conifer forests Kolbe

9:30-9:35 Dispersion of Black-backed Woodpecker Nests Around an Apparent Communal Feeding Area North

9:36-9:41 Chippewa National Forest Hunter Walking Trail Breeding Bird Habitat Improvement Project Bednar

9:42-10:00 Facilitated Discussion

10:00-10:30 BREAK and poster session

### Keynote Block: Diversity, Equity, and Inclusion with Jamie Dahl and Rachael Dube

10:30-11:30 Keynote: SAF Survey Results and Diversity, Equity, and Inclusion Dahl

11:30-12:00 Panel Discussion: Why does diversity in the forestry profession matter? Dube

12:00-1:00 LUNCH in dining hall

### Block 2

1:00-1:15 The Wildlife Adaptation Menu: A new tool to help identify adaptation actions Handler

1:16-1:31 Modeling Potential Changes in Forest Wildlife Habitat from Planned Timber Harvesting on Minnesota DNR Lands Gifford

1:32-1:37 Ruffed Grouse Society and USDA NRCS partnerships support private forest land management for wildlife Nelson

1:38-1:43	Minnesota forest land use and land cover dynamics	Nelson
1:44-1:49	A Forest Optimization Tool for Modeling, Mapping, and Managing in Minnesota	Nixon
1:50-2:05	Regenerating Floodplain Forests: The First Urban Affiliate of the Adaptive Silviculture for Climate Change Project	Windmuller-Campione
2:06-2:20	Facilitated Discussion	

2:20-2:50 BREAK and poster session

### Block 3

2:50-3:05	Plant Species Richness and Reforestation Success in Central Fire Dependent Communities	Hoffman
3:06-3:21	Velpar® + Nitrogen Trial for Release of Red Pine Effected by Diplodia	Kuhlmann
3:22-3:37	Analyzing and Operationalizing Natural Red Pine Regeneration	Fauskee
3:38-3:43	Modernization of Forest Inventory Using High Density Lidar and Plot Based Inventory (PBI)	Corcoran
3:44-4:10	Facilitated Discussion	
4:10-4:25	Closing remarks and agenda review	

### Evening Banquet at Buffalo House

All attendees welcome - food sponsored by MN SAF, drinks available at bar

6:00-7:00	Social hour at Buffalo House	
6:00-7:00	Final hour of silent auction	
7:00-8:30	Dinner and live episode of Camp 8 podcast	Sagor & Gill

## Thursday, February 17

Time

8:00-8:45	SAF State Business Meeting
8:45-9:00	Open auditorium to registrants not attending SAF Business Meeting

### Block 4

9:00-9:15	Carbon in Minnesota's Forests: Current Status and Future Opportunities	Russell
9:16-9:31	The human imprint on the history of fire in Minnesota red pine forests	Kipfmuller
9:32-9:37	The Past and Future of Miinan (Wild Blueberry) Agroecology in the Upper Great Lakes: a synthesis	Johnson
9:38-9:53	An Assessment of the Safety and Efficiency of Log Trucks in Minnesota and Wisconsin	Blinn
9:54-9:59	Old Forest Extent and Changes in Minnesota 2003-2018	Peters
10:00-10:15	Facilitated Discussion	

10:15-10:45 BREAK and poster session

### Block 5

10:45-11:00	Terrestrial invasive species: from crowdsourcing to citizen science research projects	Gupta
11:01-11:06	Managing a Floodplain Forest for a Changing Climate	Preisen
11:07-11:12	Slowing Ash Mortality in Minnetonka, MN	Obermeyer
11:13-11:28	Options for saving black ash through breeding	Pike
11:29-11:34	The use of traditional forestry practices in an urban setting	Stermer
11:35-11:40	Using diversity to build ecological and economic resilience: an FDn33 mixedwood case study	Gill
11:41-12:00	Facilitated Discussion	

12:00-1:00 LUNCH in dining hall

### Block 6

1:00-1:15	Contrasting Results in Two Great Lakes Silviculture Library Case Studies in Upper Mississippi River Floodplain Forests	Meier
1:16-1:31	Effects of flooding and shade on potential replacement species in black ash swamp hardwood forests	Keller
1:32-1:37	Riparian forest management in response to invasive pests and pathogens	Flower
1:38-1:53	Results of 35 years of Lowland Hardwoods Regeneration Efforts on Two Floodplain Forest Sites (MNDNR)	Jacobson
1:54-1:59	Population differentiation in phenology and hydrologic impacts of two Quercus species	Bergen
2:00-2:20	Facilitated Discussion	

2:20-2:50 BREAK and poster session

### Block 7

2:50-3:05	Carbon dioxide enrichment and intensive management: The need for updating aspen management guides	Carson
3:06-3:21	Examining relationships among tree-ring width, seasonal NDVI, and climate variability in northern Minnesota forests	McPartland
3:22-3:27	Quaking Aspen Response to the Drought of 2021	Sea
3:28-3:33	Effects of snow removal and rainfall reduction on soil physical properties in aspen forests of northern Minnesota	Stockstad
3:34-3:39	Characteristics of Woodpecker Nest Trees in Minnesota	North
3:40-3:50	Facilitated Discussion	

3:50-4:00 Closing remarks and adjourn