

Fire and Fuels Monitoring Workshop

June 18 - 20, 2019



Location: University of Minnesota - Cloquet Forestry Center, 175 University Rd, Cloquet, MN 55720

Lead Instructor: Brian Stearns, Huron-Manistee National Forests

Overview: This three-day, field- and classroom-based workshop is open to all participants of any affiliation, and will introduce participants to: tools for selecting metrics that match management/restoration objectives; developing site-specific protocols for sampling; developing a monitoring handbook and monitoring protocols/program for your local ecosystems; and how to establish long-term monitoring and quantitative/qualitative data for wildfire risk assessment and evaluating the need for prescribed burns and other fuels treatments. At Cloquet Forestry Center the natural communities we will be conducting hands-on field work in include: upland northern dry-mesic mixed woodlands, primarily multi-aged pine-dominated cover types with a variety of understory fuel conditions; northern wet meadow; and black spruce/tamarack forested wetlands.

Registration & Lodging: There is no registration fee for this 3-Day Workshop. Attendees are responsible for their own meals, travel and lodging. Lodging at government rate is arranged with hotels in Cloquet, MN (about 3 miles from Cloquet Forestry Center). Since space is limited we require that you register, with ***your name, email, and affiliation***, with Jack McGowan-Stinski, Lake States Fire Science Consortium, mcgowan-stinski.1@osu.edu. Additional information regarding lodging and materials will be emailed upon registration.

Day One – June 18 (Classroom & Field)

- Overview & introduction
- Safety discussion & goals
- Building objectives, protocols, measurement rotation, & developing plot locations, randomization, plot density, control plots, seasonality
- Field work - Fuel Loading
- Enter data from Day One

Day Two - June 19 (Field)

- Field measurements & data collection
 - Duff / litter
 - Photo series
 - Mortality
 - Crown scorch
 - Bole char / char depth
- Enter data from Day One

Day Three - June 20 (Field & Classroom)

- Field measurements & data collection
 - Fire severity
 - Open to what the participants would like to monitor
 - Vegetation mapping
 - Crown bulk density measurements
- Compiling results
- Evaluating program & changing protocols

For more detailed agenda: http://lakestatesfiresci.net/Fire&FuelsMonitoringWorkshop2019_06_18_19.html

For questions please contact Jack McGowan-Stinski, mcgowan-stinski.1@osu.edu