



Sustainable Forests Education Cooperative

## Symposium on Soils and Forest Management

April 21, 2016 from 8:45am – 4:00pm, Cloquet Forestry Center

### AGENDA

8:15am	Check-in opens	
8:45am	<b>Welcome and agenda review</b>	Eli Sagor, SFEC
9:00am	<b>Soil origin and formation</b> Minnesota glacial history, geology, and landforms (45 min) Open discussion: landforms, soils, and plant communities (15 min)	Dan Hanson, MN DNR-Forestry Eli Sagor and Dan Hanson
10:00am	Break – See exhibits and activities	
10:30am	<b>How soils influence management</b> Soil formation process and overview of chemical, physical, and biological properties (30 min) Open discussion about harvest planning (15 min) Influence of key soil properties on forest productivity (45 min)	Rob Slesak, MFRC  Charlie Blinn, UMN-FR  Randy Kolka, USFS-NRS
Noon	Lunch – See exhibits and activities from 12:30 to 1pm	
1:00pm	<b>How management influences soils</b> Managing forest soils: Risks of compaction, erosion, and organic matter removal (30 min) Planning timber harvests to minimize soil degradation (30 min)	Rob Slesak  Charlie Blinn
2:00pm	Break – See exhibits and activities	
2:20pm	<b>Resources to support field assessment</b> How soils are mapped and what you need to know to interpret soil survey data (30 min) Accessing soils data to inform management: SoilWeb, Web Soil Survey, and Soil Data Viewer (40 min) Field assessment tools and techniques (20 min)	Mike Whited, USDA-NRCS  Mike Walczynski, USDA-NRCS  Rob Slesak, Dan Hanson, and Randy Kolka
3:50pm	<b>Summary and next steps</b> Applying today's content and preparing for the field days	Eli Sagor
4:00pm	<b>Adjourn</b>	