

Sustainable Forests Education Cooperative

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2017 Workshop: Quicker-Cheaper Stand Assessments



Many forest and timber stand inventories are needlessly detailed and time consuming because they are not well suited to the quantities of interest. This inefficiency limits forester productivity and the accuracy of available inventory data because inventories are seen as too expensive to conduct frequently. However, a variety of underutilized techniques can reduce the effort and cost associated with timber stand inventories. This workshop will introduce and review techniques such as double sampling, sampling by height only, and the proper use of a range of basal area factors in Lake States forestry practice. Participants will leave the workshop with a better understanding of techniques available to streamline and focus their inventory work in order. The 1.5-day workshop includes classroom and field sessions including hands-on data collection and analysis to illustrate the benefits and tradeoffs associated with different sampling techniques.

Dates: Monday and Tuesday (ending at noon) September 25 and 26, 2017.

Instructor: Dr. Tom Burk, Professor Emeritus, UMN Dept. of Forest Resources

Location: Cloquet Forestry Center, Cloquet, MN

This workshop was rated for 9.5 CAT1 credits by SAF.

[Working agenda](#)

Contact Us

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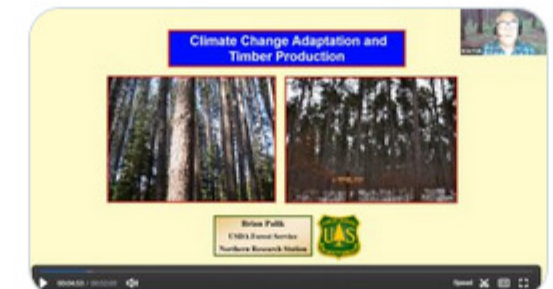
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UMN SF... @MNFores... · Sep 21
Brian Palik gave a great talk yesterday called Adaptive Silviculture for Climate Change: Lessons for timber-oriented managers.

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



1



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

AGENDA

Quicker-Cheaper Stand Assessments

September 25 and 26, 2017 at the Cloquet Forestry Center, Cloquet, MN



DRAFT AGENDA

Monday September 25, 2017

8:00am	Check-in opens	
8:30am	Welcome and agenda review	Eli Sagor, UMN-SFEC
8:40am	Sampling with variable-radius plots: A review Principles Instrumentation Data summarization Additional implementation considerations	Thomas Burk, UMN Forest Resources
10:30am	Break	
10:45am	Double sampling with variable-radius plots Motivation Sampling plan Field implementation An alternative look at estimation Basic data summarization	Thomas Burk, UMN Forest Resources
12:00pm	Lunch (<i>provided</i>)	
1:00pm	Sampling with multiple instrument constants Motivation Sampling plan Selection of instrument constants Data summarization	Thomas Burk, UMN Forest Resources
2:30pm	Break	
2:45	Field exercise Testing alternative approaches Hands-on summarization Estimation results Sampling times	Thomas Burk, UMN Forest Resources
5:00pm	Adjourn for dinner (on your own)	
6:30- 8pm	Optional evening session	

Tuesday September 26, 2017

8:00am	<i>Role of volume tables</i> Alternatives and implications Height only measurement Shortcut formulas	<i>Thomas Burk, UMN Forest Resources</i>
10:00am	Break	
10:15	<i>Expected gains from alternative approaches</i> Fixed costs Fixed precision	<i>Thomas Burk, UMN Forest Resources</i>
12:00pm	Workshop adjourns	
