

## REGENERATION ASSESSMENT METHODS AND INTRODUCTION TO SILVICULTURE EFFECTIVENESS MONITORING WORKSHOP

Days Inn, Ballroom "B", Timmins, ON, September 29 & 30, 2004

### Purpose

The purpose of this workshop is to provide training in:

- The contents of the Silviculture Effectiveness Monitoring Manual (SEMMO) and the Well Spaced Free Growing Regeneration Assessment Manual
- The field procedures for the Free Growing Regeneration Assessment (FGRA) survey methods.
- Regeneration survey sampling theory and statistical requirements.
- How to summarize data and determine a silviculture versus regeneration success.
- The importance of SEM in setting of renewal rates and results of recent Provincial/NER SEM and Renewal Rate Review projects.
- SEM Lessons learned from a major NESI study about to be published this fall entitled – Stock Type Trial Series within the Boreal Forest of the NE Region -1987 to 1997.
- Latest science behind competition rules in the WSFG Manual and affects of competition on plantation performance.
- How to carry out aerial FTG surveys.

### Registration

The registration fee of **\$200.00** includes lunch both days as well as transportation to the field. It does not include accommodation. Each participant is responsible for booking his or her own room in Timmins. There is an optional \$100.00 fee for those attending *only the second day*. Please insure that you specify this on registering.

**REGISTRATION IS LIMITED TO 35 PERSONS!**

### Accommodation

A block of rooms have been reserved at the following hotel:

**Days Inn**, Timmins. 1-800-461-9889 or 705-267-6211. Room rate is \$73.59 per night.

### Dress

There will be a field session the afternoon of the first day in which participants will be involved in carrying out surveys. Appropriate clothing is required for this outdoor session.

### Contacts

#### Ontario Ministry of Natural Resources

P. O. Bag 3020  
South Porcupine, ON P0N 1H0  
**Brian Fox** 705-235-1186  
brian.fox@mnr.gov.on.ca  
**Gordon Kayahara** 705-235-1237  
gordon.Kayahara@mnr.gov.on.ca

#### Lake Abitibi Model Forest

P. O. Box 129  
Cochrane, ON P0L 1C0  
**Wally Bidwell** 705-272-7811  
wally@lamf.net

**OPFA Continuing Education Credit information is pending.**

Note: Supper on September 29<sup>th</sup> will not be provided, but arrangements will be made to have some tables available at a local restaurant for the group. Please check off the box on the registration form if you intend to join us for supper.

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**Workshop Agenda****Day One**

- 8:30 Gord King** – Welcome & Introduction.  
**8:40 Gord King** – Purpose of Workshop and what elements of SEM will be covered.  
**9:15 John Parton** – How to carry out the Well Spaced Free Growing Regeneration Assessment method.  
**10:00 Break**  
**10:20 Board bus** and head to field sites. (bus will depart from front entrance of hotel)  
**11:00 John Parton and others** - Demonstration of WSFG survey method and talk by **Wayne Bell** on science behind competition rules for determining free growing status.  
**12:00 Bag Lunch (provided)** – discussion of questions and issues over lunch  
**1:00** Break into **small groups** and carry out WSFG assessment survey on several areas with different regeneration conditions  
**4:00 Wrap up and discussions**  
**4:30 Return to town.**  
**6:00 Supper and evening social**

**Day Two**

- 8:30 Gord King** – Welcome. Groups fill out day 1 evaluations.  
**8:45 Denis Gagnon** – Exercise on entering and summarizing field data on computers.  
**9:30 Gord Kayahara** – Interpretation of data results, how to ensure confidence intervals, sample size requirements and regeneration standards are met.  
**10:00 Refreshment Break.**  
**10:20 Brian Fox** - How to determine a regeneration versus a silvicultural success; how to use Silviculture Ground Rules and regeneration standards; and developing local SEM strategies.  
**11:00 John Parton** - How to incorporate SEM results into FRI, which yield curve to use for new stands, and bridging the gap between Free-to-Grow and yield curves.  
**11:30 CNFR SEM Researcher** – Future SEM research projects in NE and NW Ontario.  
**12:00 Lunch (provided).**  
**1:00 Jeff Leach, Tembec** - how to carry out aerial surveys and SEM lessons learned on the Gordon Cosens Forest.  
**1:30 Wayne Bell, OFRI** – latest science behind competition rules in the WSFG Manual and affects of competition on plantation performance.  
**2:00 Stan Vasiliauskas, NESI** – SEM Lessons learned from a major NESI study about to be published this fall entitled – Stock Type Trial Series within the Boreal Forest of the NE Region -1987 to 1997.  
**2:30 Thom McDonough, MNR Forest Health & Silviculture Section** – the importance of SEM in setting of renewal rates and results of recent Provincial/NER SEM and Renewal Rate Review projects.  
**3:00 Wrap-up and close of workshop.**

