

Implications of Intensive Silviculture and Mixedwood Dynamics on Forest Management

Jan. 28, 2010
9:30 am–4:00 pm
K.C. Irving Theatre
Hugh John Flemming Forestry Centre
Fredericton, N.B.

This Workshop will present results of 10 graduate student projects at University of New Brunswick and Université de Moncton, in partnership with the above Workshop sponsors, addressing dynamics of mixedwood stands and relationship of stand composition and structure to habitat in silviculturally treated stands (plantations and pre-commercially thinned stands). This large project took place in two study areas about 300 km apart, in northern NB (Black Brook District) and southern NB (Fundy Model Forest). The Black Brook District is among the most intensively managed landscapes in Canada, and silviculture since 1957 provides a wealth of sites for study. Fundy Model Forest is a 400,000ha mix of ownerships (Crown, large industrial, private woodlots, and Fundy National Park) and forest types in southern N.B., which is less intensively managed than the Black Brook District. Both areas contain a mix of softwood and shade-tolerant hardwood forests.

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Implications of Intensive Silviculture and Mixedwood Dynamics

Agenda

Note: Presenters are listed in bold

9:30	Dave MacLean ¹	Introduction to the SFMN, J.D. Irving Forest Research Advisory Committee, and the research questions
9:45	Amy Witkowski ² , Kerienne La France ¹ , Kate Frengo ² & Mark Roberts ¹	Bryophytes and herbaceous species in plantations and pre-commercially thinned stands
10:15	Samuel Haché ³ , Jean-François Poulin ³ , and Marc-André Villard ³	Demographic response of songbird species to selection harvesting at stand and landscape scales: a before-after experiment
10:45	Break	
11:00	Bruno Chicoine ⁴ and Martin Béland ⁴	Tolerant hardwood natural regeneration 15 years after silvicultural treatments on an industrial freehold in northwestern NB
11:30	Chris Ward ¹ , Tom Beckley ¹ , Thom Erdle ¹ and Dave MacLean ¹	Triad zoning scenarios of intensive silviculture and reserve allocation on Crown License 1
12:00	Lunch (provided)	
12:45	Pascale Forget ⁴ and Claude Samson ⁵	Abundance, age, body mass & spatial distribution of American marten in an industrial forest in northern NB
1:15	Luke Amos-Binks ¹ , Dave MacLean ¹ , Bob Wagner ⁶ and Jeremy Wilson ⁶	Dynamics of mixedwood stands, as influenced by natural disturbance and succession
1:45	Matthew Smith ¹ , Graham Forbes ¹ , and Matthew Betts ⁸	Life history parameters and population viability of a forest indicator species (northern flying squirrel) in relation to landscape-scale forest management
2:15	Break	
2:30	Amanda Colford-Gilks ¹ , Dave MacLean ¹ , John Kershaw ¹ , and Martin Béland ⁴	Effects of spruce budworm on stand dynamics of balsam fir and red spruce mixedwoods
3:00	Gaetan Pelletier ⁷ and Greg Adams ⁷	Incorporation of research results into forest management: research to empower the manager
3:30	Questions, discussion	
4:00	Adjourn	

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