



Eastern CANUSA Forest Science Conference

**UNIVERSITY OF NEW HAMPSHIRE
Durham, New Hampshire**





**Thursday, November 1st, 2012
Through
Saturday, November 3rd, 2012**

7:00 PM	9:00 PM	<p style="text-align: center;">Thursday, November 1, 2012</p> <p style="text-align: center;">ICE – BREAKER SOCIAL & DINNER (CASH BAR)</p>
8:30 AM	11:30 AM	<p style="text-align: center;">Friday, November 2, 2012</p> <p style="text-align: center;">GENERAL SESSION</p> <p style="text-align: center;">Holloway Commons Conference Center</p>
		<p style="text-align: center;"><u>Introduction & Welcome:</u></p> <ul style="list-style-type: none"> • Dr. Ted Howard, University of New Hampshire • Dr. John Aber, Provost, University of New Hampshire • Katherine Sinacore, Graduate Student, University of New Hampshire <p style="text-align: center;"><u>Keynote Presentations & Plenary Sessions:</u></p> <ul style="list-style-type: none"> • Dr. Sen Wang, Canadian Forest Service (8:40 - 9:30 am) <i>“Forests In An Increasingly Urbanized Society”</i> • Break (9:30-9:50 am) • Dr. Pamela Temple, Boston University (9:50-10:40 am) <i>“Nitrogen and Carbon Cycling in Urban Forests: Implications for Water and Air Quality”</i> • Dr. Robert Nelson, University of Maryland (10:40-11:30 am) <i>“Multiple-Use Forest Management versus Ecosystem Forest Management: A Religious Question”</i> <p style="text-align: center;"><u>Lunch & Poster Session</u> (12:00-1:30 pm) Location: Huddleston Ballroom</p>





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CONCURRENT SESSIONS FRIDAY, NOVEMBER 1, 2012

1:40 PM	3:20 PM	<u>SILVICULTURE</u> <u>SESSION ~ A1</u>	<u>MANAGEMENT & ENVIRONMENTS</u> <u>SESSION ~ A2</u>
		<p>Growth, Mortality and Harvest In 10 Silvicultural Treatments Over 60 Years On The Penobscot Experimental Forest in Maine, USA</p> <p><i>Laura S. Kenefic, John C. Brissette and Aaron R. Weiskittel</i></p>	 <p>How Landowner Engagement Affects Forest Management Practices In Northern Vermont</p> <p><i>Ellis, B. E. and R. H. Germain</i></p>
		<p>Nonselective Partial Harvesting In Maine</p> <p><i>Ben Rice, Robert Wagner and Aaron Weiskittel</i></p>	 <p>Remote Sensing of Canopy Condition Across the Northeast: Trends and Patterns 1984-2009</p> <p><i>Jennifer Pontius and Mary Martin</i></p>
		<p>Tree Regeneration In Partially Harvested Mixed Wood Stands in Maine</p> <p><i>Jeffrey M. Lombardo, Laura S. Kenefic, Jeremy S. Wilson and Aaron R. Weiskittel</i></p>	<p>Northern Forest Logging Industry Assessment: Phase 1 Result</p> <p><i>Bennet Leon, Jeffrey Benjamin, Jessica Leahy, and Richard Root</i></p>
		 <p>How Silvicultural Treatments Affect Carbon Storage On The Penobscot Experimental Forest: A 60 Year Perspective</p> <p><i>Joshua Puhlick, Aaron Weiskittel, Laura Kenfic, Ivan Fernandez, Shawn Fraver, Lindsay Rustad, Ranky Kilka and John Brissette</i></p>	 <p>Development and Evaluation of The Acadian Variant of The Forest Vegetation Simulator</p> <p><i>Aaron Weiskittel, John Kershaw and Mathew Russell</i></p>






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		 <p>Response of Softwood Regeneration to Commercial Thinning in Two Northeastern Spruce-Fir Stand Types: 1st Decade Results From the Commercial Thinning Research Network in Maine</p> <p><i>Matthew Olson, Spencer Meyer, Robert Wagner & Robert Seymour</i></p>	<p>Modeling Forest Canopies Using Laser Point Quadrat Sampling And Survival Analysis</p> <p><i>Daniel Maynard</i></p>
<p><u>CONCURRENT SESSIONS</u> <u>FRIDAY, NOVEMBER 1, 2012</u></p>			
3:40 PM	5:20 PM	<p><u>POLICY & SOCIAL SCIENCE</u> <u>SESSION ~ B1</u></p>	<p><u>ECOLOGY I</u> <u>SESSION ~ B2</u></p>
		<p>Does Forest Certification Make A Difference for First Nations? Analyzing the FSC Process and It's Impacts for First Nations In The Boreal Forests of Quebec and Ontario</p> <p><i>Stephen Wyatt and Sara Teitelbaum</i></p>	 <p>High-Elevation Spruce-Fir Forest In The Northern Forest: An Assessment of Ecological Value and Conservation Priorities</p> <p><i>David A. Publicover and Kenneth D. Kimball</i></p>
		<p>Public Perceptions and Values For Ecological Goods and Services In a Northern New Brunswick Watershed</p> <p><i>Tonia Anderson</i></p>	<p>Measuring Amphibian Gene Flow Across Species, Scale and Sampling Scheme In A Managed Forest</p> <p><i>Stephanie Coster, Adrienne Kovach and Kimberly Babbitt</i></p>
		<p>The Notion Of Governance In the New Forest Regime Of Quebec</p> <p><i>Luc Bouthillier</i></p>	<p>Structural Conversion of Young Conifer Regular Stands: The Convergence of Environmental and Economic Interests.</p> <p><i>Gagne, L. Sirois, L. and Lavoie, L.</i></p>



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		 <p>An Oral History Place Attachment Project: Understanding the Changing Forest Landscape through the Eyes of Maine's Oldest Citizens</p> <p><i>Marilynne Mann and Jessica Leahy</i></p>	<p>Effects Of Woody Debris Retention On Herbaceous Layer Biodiversity In 25-Year-Old Plantation Forests In Northern New Brunswick: The First Two Years Post Commercial Thinning</p> <p><i>Sean R. Haughian and Katherine A. Frego</i></p>
		 <p>Influence Of Management Intensity On The Productivity Of Early Successional Acadian Stands In Eastern Maine</p> <p><i>Andrew S. Nelson, Robert G. Wagner, Michael R. Saunders, and Aaron R. Weiskittel</i></p>	 <p>Benchmark Carbon Stocks From Old-Growth Forest In Northern New England, USA</p> <p><i>Hoover, C. M., Leak, W. B., and Keel, B. G.</i></p>
<p>CONCURRENT SESSIONS SATURDAY, NOVEMBER 2, 2012</p>			
8:00 AM	9:40 AM	<p><u>FOREST HEALTH</u> <u>SESSION ~ C1</u></p>	<p><u>ECOLOGY II</u> <u>SESSION ~ C2</u></p>
		<p>Measuring Ecosystem Health In The Connecticut Highlands</p> <p><i>Mary L. Tyrrell, Gillian S. Paul, Jeffrey S. Ward, Corrie Folsom-O'Keefe, Patrick Comin and Stella J.M. Cousins</i></p>	<p>Sugar Maple In The Lower St. Lawrence: Will The Increase In Abundance Continue?</p> <p><i>Valérie Delisle-Gagnon, Luc Sirois and Dominique Arseneault</i></p>
		<p>Response Of Tree Growth and Water Use Efficiency to Climate Change and Nitrogen Deposition In A Temperate Deciduous Forest In the Northeastern U.S.</p> <p><i>Katie Jennings, Heidi Ashbjornsen and Kathleen Eggemeyer</i></p>	<p>Growth Versus Protection From The Cold: A Tradeoff For American Chestnut Grown At The Species' Northern Range Limit?</p> <p><i>Paul G. Schaberg, Thomas M. Saielli, Gary J. Hawley, Joshua M. Halman and Kendra M. Gurney</i></p>





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		 Predicting High Quality Sites of <i>Fraxinus Nigra</i> (Black Ash) Across Maine and Northern New York: An Approach to Prioritizing A Region's Response to Environmental Stressors <i>Kara K. Lorion, William H. Livingston, John Daigle, Robert Lilieholm and Darren Ranco</i>	 The Legacy Of Foliar Winter Injury On Xylem Growth And Aboveground Carbon Sequestration For Red Spruce In the Northeastern Forest <i>Alexandra M. Kosiba, Paul G. Schaberg, Gary Hawley, and Christopher F. Hansen</i>
		 Impaired Physiology of Sugar Maple (<i>Acer Saccharum</i>) Under Aluminum-Treatment May Alter Competitive Relations With Sympatric Species <i>Joshua M. Halman, Paul G. Schaberg, Gary J. Hawley and Christopher F. Hansen</i>	 The Relative Importance Of Harvesting And Local Site Factors In Structuring Regeneration Abundance And Composition <i>Mohammad Bataineh, Laura Kenefic, Aaron Weiskittel, Robert Wagner, John Brissette, and Robert Seymour</i>
		Prospects for Rehabilitation Forestry Through Carbon Market Participation On Over-Harvested Former Industrial Northern Hardwood Forests <i>William S. Keeton, Emily T. Russell-Roy, Jennifer Pontius, and Charles Kerchner</i>	 The Effect Of Riparian Forest Structure On In-Stream Nutrient Uptake And Metabolism In The Northeast <i>Heather A. Bechtold, Emma J. Rosi-Marshall, Dana R. Warren, William Keeton, Jon J. Cole</i>
CONCURRENT SESSIONS SATURDAY, NOVEMBER 2, 2012			
10:00 AM	11:40 AM	<u>SILVICULTURE</u> <u>SESSION ~ D1</u>	<u>MANAGEMENT AND MEASUREMENTS</u> <u>SESSION ~ D2</u>
		Modeling Mortality Risk After Commercial Thinning Operations In The Province of Quebec <i>Karin Rita Rivera-Miranda, Karin Rita Rivera-Miranda, Jean-Claude Ruel and Stéphane Tremblay</i>	 Assessing The Growth Potential Of The Northern Forest Maple Industry <i>Michael Farrell and Brian Chabot</i>



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		<p>Fifty-Plus Years Of Stand Development Following Shelter Wood Cutting In Northern Conifers</p> <p><i>John C. Brissette, Laura S. Kenefic and Aaron Weiskittel</i></p>	 <p>Sustained Yield Management On Family Woodlands In Vermont's Northern Forest</p> <p><i>Maker, N.F. and R.H. Germain</i></p>
		<p>Partial Cutting In Old-Growth Boreal Stands: A Feasible Approach?</p> <p><i>Jean-Claude Ruel</i></p>	<p>Expanding Interface In The Northeast's "Asbestos Forest": Implications For Future Fire Control Program</p> <p><i>Lloyd Irland</i></p>
		<p>Plantation Of Hybrid Poplar Clones On A Forest Clear-Cut Site: Early Survival And Growth</p> <p><i>Hector G. Adégbidi</i></p>	 <p>Whole Tree Conventional Harvesting: Assessing Productivity Differences</p> <p><i>Gabriel Roxby and Theodore Howard</i></p>
		<p>Linking Microenvironment Changes To Regeneration Dynamics After Patch-Selection Cutting In Quebec's Temperate Mixed Wood Forest</p> <p><i>Patricia Raymond and Marcel Prévost</i></p>	
11:40 AM	12:00 PM	<p>CONFERENCE WRAP UP</p>	
12:00 PM	4:00 PM	<p>LUNCH & FIELD TOUR DEPARTURE MASSEBESIC EXPERIMENTAL FOREST Alfred & Lyman, Maine</p> <p>William Leak & Mariko Yamasaki, USDA Forest Service</p>	