

711
019/14

Canadian Journal of Forest Research

Revue canadienne de
recherche
forestière

Volume 44
Number 10 / Numéro 10

October / Octobre
2014

An NRC Research
Press Journal

Une revue de
NRC Research
Press

www.nrcresearchpress.com



NRC
Research Press

Canadian Journal of Forest Research

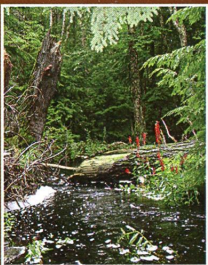
Volume 44, Number 10, October 2014

Revue canadienne de recherche forestière

Volume 44, numéro 10, octobre 2014

| | ARTICLES | ARTICLES |
|--|------------------|--|
| Adrian Weber, J.P. (Hamish) Kimmins, Benjamin Gilbert, Yueh-Hsin Lo, and Juan A. Blanco | 1145–1155 | Multiple-pathway succession in coastal <i>Tsuga heterophylla</i> , <i>Thuja plicata</i> , and <i>Abies amabilis</i> forests on northeastern Vancouver Island, British Columbia |
| Anton Grafström, Svetlana Saarela, and Liviu Theodor Ene | 1156–1164 | Efficient sampling strategies for forest inventories by spreading the sample in auxiliary space |
| François Girard, Louis De Grandpré, and Jean-Claude Ruel | 1165–1176 | Partial windthrow as a driving process of forest dynamics in old-growth boreal forests |
| Alexander Massey, Daniel Mandallaz, and Adrian Lanz | 1177–1186 | Integrating remote sensing and past inventory data under the new annual design of the Swiss National Forest Inventory using three-phase design-based regression estimation |
| Puneet Dwivedi and Madhu Khanna | 1187–1195 | Wood-based bioenergy products — land or energy efficient? |
| Caren C. Dymond, Sinclair Tedder, David L. Spittlehouse, Brian Raymer, Katherine Hopkins, Katharine McCallion, and James Sandland | 1196–1205 | Diversifying managed forests to increase resilience |
| Philip A. Crystal and Douglass F. Jacobs | 1206–1216 | Drought and flood stress tolerance of butternut (<i>Juglans cinerea</i>) and naturally occurring hybrids: implications for restoration |

Continued on inside back cover / Suite au verso



Front cover: Deadwood and cardinal flower in a riparian zone located within an unharvested control area of the University of Maine's Acadian Forest Ecosystem Research Program (AFERP) experiment. The AFERP is situated in the Penobscot Experimental Forest in central Maine, USA. Image supplied by Dr. Matthew Olson, Missouri Department of Conservation.

Page couverture : « Bois mort et lobélie du cardinal dans une zone riveraine située dans une région témoin non exploitée faisant partie de l'expérience de l'Acadian Forest Ecosystem Research Program (AFERP) de l'Université du Maine. L'AFERP se situe dans la forêt expérimentale de Penobscot, dans le centre du Maine (É.-U.). Image fournie par Matthew Olson, Ph.D., Department of Conservation du Missouri. »



| | | |
|--|------------------|--|
| David Haim, Darius M. Adams, and Eric M. White | 1217–1226 | Determinants of demand for wood products in the US construction sector: an econometric analysis of a system of demand equations |
| Jeffrey M. Kane and Thomas E. Kolb | 1227–1235 | Short- and long-term growth characteristics associated with tree mortality in southwestern mixed-conifer forests |
| Kristen Mancuso, Erica Nol, Dawn Burke, and Ken Elliott | 1236–1243 | Effect of selection logging on Yellow-bellied Sapsucker sap-feeding habits in Algonquin Provincial Park, Ontario |
| A. Boraks and K.D. Broders | 1244–1252 | Butternut (<i>Juglans cinerea</i>) health, hybridization, and recruitment in the northeastern United States |
| K.M. Littke, R.B. Harrison, D. Zabowski, M.A. Ciol, and D.G. Briggs | 1253–1264 | Prediction of Douglas-fir fertilizer response using biogeoclimatic properties in the coastal Pacific Northwest |
| Valeria Ojeda and Laura Chazarreta | 1265–1273 | Home range and habitat use by Magellanic Woodpeckers in an old-growth forest of Patagonia |
| Kyle Eyvindson and Annika Kangas | 1274–1280 | Stochastic goal programming in forest planning |
| Markus O. Huber, Hubert Sterba, and Luzi Bernhard | 1281–1291 | Site conditions and definition of compositional proportion modify mixture effects in <i>Picea abies</i> – <i>Abies alba</i> stands |
| Ling Li, Baoli Duan, Dongzhou Deng, Weiguo Tu, and Yuanbin Zhang | 1292–1301 | Soil salinity alters the sexual responses to elevated CO ₂ and temperature in growth and leaf traits of a dioecious plant |