

Canadian Journal of
**Forest
Research**

Revue canadienne de
**recherche
forestière**

Volume 43

Number 8 / Numéro 8

August / Août
2013

An NRC Research
Press Journal

Une revue de
NRC Research
Press

www.nrcresearchpress.com

Canadian Journal of Forest Research

Volume 43, Number 8, August 2013

Revue canadienne de recherche forestière

Volume 43, numéro 8, août 2013

ARTICLES

ARTICLES

**E. Henry Lee, Peter A. Beedlow,
Ronald S. Waschmann, Connie A. Burdick,
and David C. Shaw**

677–690

Tree-ring analysis of the fungal disease Swiss needle cast in western Oregon coastal forests

**John E. Wagner, Diane Kierman,
and Eddie Bevilacqua**

691–698

Economically derived yields for even- and uneven-aged stands

Jessica L. Morgan and Sarah E. Gergel

699–710

Automated analysis of aerial photographs and potential for historic forest mapping

**Jan Wunder, Corina Manusch,
Valentin Queloz, Peter Brang,
Veronique Ringwald, and Harald Bugmann**

711–718

Does increment coring enhance tree decay? New insights from tomography assessments

**Olli Tahvonen, Sampo Pihlainen,
and Sami Niinimäki**

719–730

On the economics of optimal timber production in boreal Scots pine stands

**Christoph Straub, Christoph Stepper,
Rudolf Seitz, and Lars T. Waser**

731–741

Potential of UltraCamX stereo images for estimating timber volume and basal area at the plot level in mixed European forests

**Mingkai Peng, John A. Kershaw, Jr.,
Ying Hei Chui, and Meng Gong**

742–749

Modelling of tangential, radial, and longitudinal shrinkage after drying in jack pine and white spruce

Continued on inside back cover / Suite au verso



Front cover: Beech blight aphids (*Gryllociphilus imbricator* (Fitch)) on the crown of an American beech (*Fagus grandifolia* Ehrh.) tree in Maryland, USA. Image supplied by Dr. Delphis F. Levia and colleagues. A recent research article by Dr. Levia and colleagues, "Stemflow and dissolved organic carbon cycling: temporal variability in concentration, flux, and UV-Vis spectral metrics in a temperate broadleaved deciduous forest in the eastern United States", is published in the *Canadian Journal of Forest Research*, 2012, 42(1): 207–216. doi: 10.1139/x11-173.

Page couverture : Des pucerons fugaces du hêtre (*Gryllociphilus imbricator* (Fitch)) sur la ramure d'un hêtre à grandes feuilles (*Fagus grandifolia* Ehrh.) au Maryland (É.-U.). Image fournie par Delphis F. Levia et collaborateurs. Un article de recherche récent de M. Levia et collaborateurs intitulé « Stemflow and dissolved organic carbon cycling: temporal variability in concentration, flux, and UV-Vis spectral metrics in a temperate broadleaved deciduous forest in the eastern United States » est paru dans la *Revue canadienne de recherche forestière*, 2012, 42(1) : 207–216. doi : 10.1139/x11-173.



- | | | |
|--|--------------------|---|
| Grant W. Emms, Bernadette Nanayakkara,
and Jonathan J. Harrington | 750–756 | Application of longitudinal-wave time-of-flight sound speed measurement to <i>Pinus radiata</i> seedlings |
| Patrick H. Brose, Daniel C. Dey,
Richard P. Guyette, Joseph M. Marschall,
and Michael C. Stambaugh | 757–767 | The influences of drought and humans on the fire regimes of northern Pennsylvania, USA |
| Joshua Allard and Andrew Park | 768–775 | Woody debris volumes and carbon accumulation differ across a chronosequence of boreal red pine and jack pine stands |
| | CORRIGENDUM | RECTIFICATIF |
| Juan Carlos Loaiza-Usuga,
Juan D. León-Pelaez, Jorge Ramírez-Correa,
María I. González-Hernández,
Juan Fernando Gallardo-Lancho,
Walter Osorio-Vega,
and Guillermo Correa-Londoño | 776 | Corrigendum: Alterations in litter decomposition patterns in tropical montane forests of Colombia: a comparison of oak forests and coniferous plantations |