

# Canadian Journal of Forest Research

Volume 41, Number 8, August 2011

# Revue canadienne de recherche forestière

Volume 41 numéro 8, août 2011

	ARTICLES	ARTICLES
Derek F. Sattler and Valerie LeMay	1567–1576	A system of nonlinear simultaneous equations for crown length and crown radius for the forest dynamics model SORTIE-ND
Chaofang Yue, Ulrich Kohnle, Marc Hanewinkel, and Joachim Klädtke	1577–1589	Extracting environmentally driven growth trends from diameter increment series based on a multiplicative decomposition model
Walter Oberhuber, Irene Swidrak, Daniela Pirkebner, and Andreas Gruber	1590–1597	Temporal dynamics of nonstructural carbohydrates and xylem growth in <i>Pinus sylvestris</i> exposed to drought
William K. Chapman, Bruce Schellenberg, and Teresa A. Newsome	1598–1605	Assessment of armillaria root disease infection in stands in south-central British Columbia with varying levels of overstory retention, with and without pushover logging
Julien Moulinier, François Lorenzetti, and Yves Bergeron	1606–1617	Gap dynamics in aspen stands of the Clay Belt of northwestern Quebec following a forest tent caterpillar outbreak
Muge Agca, Sorin C. Popescu, and Clinton W. Harper	1618–1625	Deriving forest canopy fuel parameters for loblolly pine forests in eastern Texas
R.J. Metcalfe, J. Nault, and B.J. Hawkins	1626–1637	Adaptations to nitrogen form: comparing inorganic nitrogen and amino acid availability and uptake by four temperate forest plants
Claire E. Wooton and Brian Klinkenberg	1638–1648	A landscape-level analysis of yellow-cedar decline in coastal British Columbia

*Continued on inside back cover / Suite au verso*



Front cover: "Spring bud burst." Photo by Mélanie Desrochers, 2009.

Page couverture : « Bourgeonnement printanier ». Photo par Mélanie Desrochers, 2009.



<b>Jari Vauhkonen, Lauri Mehtätalo, and Petteri Packalén</b>	<b>1649–1658</b>	Combining tree height samples produced by airborne laser scanning and stand management records to estimate plot volume in <i>Eucalyptus</i> plantations
<b>A.S. Bova, G. Bohrer, and M.B. Dickinson</b>	<b>1659–1670</b>	A model of gas mixing into single-entrance tree cavities during wildland fires
<b>Yuqing Yang and Shongming Huang</b>	<b>1671–1686</b>	Comparison of different methods for fitting nonlinear mixed forest models and for making predictions
<b>Lee Jacobs and Jeff E. Houlahan</b>	<b>1687–1697</b>	Adjacent land-use affects amphibian community composition and species richness in managed forests in New Brunswick, Canada
<b>Chengcai Ni and Gordon Nigh</b>	<b>1698–1709</b>	Assessing the effect of measurement error in age on dominant height and site index estimates
<b>Aaron R. Weiskittel, Nicholas L. Crookston, and Philip J. Radtke</b>	<b>1710–1721</b>	Linking climate, gross primary productivity, and site index across forests of the western United States
	NOTE	NOTE
<b>Sara C. Robinson, Daniela Tudor, and Paul A. Cooper</b>	<b>1722–1728</b>	Feasibility of using red pigment producing fungi to stain wood for decorative applications