

Title

STRUCTURE AND DISTRIBUTION OF OLD GROWTH

Model Forest

Western Newfoundland Model Forest

From**To****Keywords**

Gap Dynamics, Disturbance, Boreal, Temperate, Tropical, Silviculture

Objective

To assess the importance of gap disturbance in boreal forests.

Description

The review considers the research done on gap disturbances in temperate and tropical forests. Research in Scandinavia, Russia, Japan and the United States has shown that gap disturbance determines forest structure and processes to a greater extent than previously assumed. Particular focus is given to boreal forests dominated by the shade-tolerant fir-spruce complex that is well adapted to the development of long-term, old-growth continuity in the absence of large-scale disturbance.

Reports and Products

Gap Dynamics in Forests: A review with particular attention to boreal forests. McCarthy, J. and Weetman, G. Faculty of Forestry, University of British Columbia, Vancouver, B.C. WNMF: 1-601-001. 95 pp.

Gap Dynamics of Forest Trees: A review with particular attention to boreal forests. McCarthy, John. 2001. NRC Research Press, Canada. WNMF: 1-601-002. 59 pp.

Age and Size Structure of Gap Dynamic, Old Growth Boreal Forest Stands in McCarthy, John and Weetman, Gordon. 2006. Forest Science Department, University of British Columbia