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disturbance on boreal surface waters in Canada; Chapter 11 Forest management planning based on natural disturbance and forest dynamics; Chapter 12 Tactical forest planning and landscape design; Chapter 13 Nature-based silviculture for sustaining a variety of boreal forest values; Chapter 14 Modelling tools to assess the sustainability of forest management scenarios  
Chapter 15 Minimizing negative environmental impacts of forest harvesting operations Chapter 16 Residues generated by the forest products industry; Chapter 17 Forest industry aqueous effluents and the aquatic environment; Chapter 18 The fate, effects, and mitigation of atmospheric emissions from the forest products industry; Chapter 19 Reducing, reusing, and recycling solid wastes from wood fibre processing; Chapter 20 Carbon balance and climate change in boreal forests; Chapter 21 Adaptive management: progress and prospects for Canadian forests  
Chapter 22 Implementing sustainable forest management: some case studies Chapter 23 Sustainable forest management as license to think and to try something different; Index

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Sommario/riassunto

A summary of the state-of-the-art in boreal forest management, this book provides a progressive vision for all of the world's northern forests. Top-notch forestry scientists and researchers author this selection of chapters based on recent research conducted by the Sustainable Forest Management Network across Canada.

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