

Resources on uneven-aged management and associated silviculture treatments

A wealth of information is available for Maritime woodlot owners and contractors interested in uneven-aged management. One good source of information and news is *Atlantic Forestry Review*:

DvL Publishing
PO Box 1509
Liverpool, NS B0T 1K0
902-354-5411
<http://www.countrymagazines.com/>

The following organizations and agencies provide pamphlets, brochures, books, fact sheets, and other useful information online and/or via Canada Post. Many items are free or available at nominal charge:

Algonquin Forestry Authority
22 Main Street West
Huntsville, ON P1H 1Y1
705-789-9647
<http://www.algonquinforestry.on.ca/index.htm>

Canadian Forest Service
Natural Resources Canada
580 Booth Street
Ottawa, Ontario K1A 0E8
613-995-0947
<http://cfs.nrcan.gc.ca>

Canadian Forest Service Bookstore
<http://bookstore.cfs.nrcan.gc.ca/>

Canadian Institute of Forestry
c/o The Canadian Ecology Centre
PO Box 430, 6905 Hwy. 17 West
Mattawa, ON P0H1V0
705-744-1715
<http://www.cif-ifc.org/>

Ecology Action Centre's Forestry Program
902-429-1335 or forests@ecologyaction.ca
<http://www.novascotiaforests.ca/>

Fundy Model Forest

701 Main Street

Suite 2

Sussex, NB E4E 7H7

506-432-7575

<http://www.fundymodelforest.net>

GeoNova

(Geographic information about Nova Scotia)

<http://gov.ns.ca/GeoNova/home/default.asp>

Greater Fundy Ecosystem Research Project, University of New Brunswick

<http://www.unbf.ca/forestry/centers/fundy/>

INFOR

Maritime College of Forest Technology

Room 223

1350 Regent Street

Fredericton, NB E3C 2G6

Toll free in the Maritimes: 1-877-450-8787

<http://www.infor.ca>

LandOwner Resource Centre

Rideau Valley Conservation Authority

3889 Rideau Valley Drive, Box 599

Manotick, ON K4M 1A5

Toll free: 1 800 267 3504, extensions 1128 or 1132

<http://www.lrconline.com>

Macphail Woods Ecological Forestry Project

RR#3

Belfast, PEI C0A 1A0

902-651-2575

<http://www.macphailwoods.org>

Mersey Tobeatic Research Institute

9 Mount Merritt Road

PO Box 215

Kempt, Queens County, NS B0T 1B0

902-682-2371

<http://www.merseytobeatic.ca>

Natural Resources Canada Atlantic Forestry Centre

P.O. Box 4000
 1350 Regent Street South
 Fredericton, NB E3C 2G6
 506-452-3500
<http://cfs.nrcan.gc.ca/regions/afc>

Nova Forest Alliance

PO Box 208, 285 George Street
 Stewiacke, NS B0N 2J0
 902-639-2921
<http://www.novaforestalliance.com>

Nova Scotia Department of Natural Resources

1701 Hollis Street
 Founders Square
 Halifax, NS B3J 3M8
 902-424-5935
<http://www.gov.ns.ca/natr/>

Nova Scotia Department of Natural Resources Forests & Woodlots web page

<http://www.gov.ns.ca/natr/forests/default.asp>

Nova Scotia Department of Natural Resources Ecological Land Classification web page

<http://www.gov.ns.ca/natr/forestry/ecological/ecolandclass.asp>

Nova Scotia Department of Natural Resources Forest Ecosystem Classification web page

<http://www.gov.ns.ca/natr/forestry/programs/ecosystems/forecoclassif.asp>

Nova Scotia Department of Natural Resources Extension Services Division

P.O. Box 698
 Halifax, NS B3J 2T9
 902-424-5444 or (toll free) 1-866-226-7577.
<http://www.gov.ns.ca/natr/woodlot/>

Nova Scotia Department of Natural Resources Forestry Division

<i>Street address:</i>	<i>Mailing address:</i>
Arlington Place	PO Box 68
664 Prince Street	Truro, NS B2N 5B8
Truro, NS B2N 1G6	

902-893-6350

<http://www.gov.ns.ca/natr/forestry/default.asp>

A list of all NSDNR field offices is available at <http://www.gov.ns.ca/natr/staffdir/offices.asp>

Ontario Ministry of Natural Resources, Forests in Ontario

1-800-667-1940

http://www.mnr.gov.on.ca/en/STEL02_168317.html

OntarioWoodlot

Ontario Woodlot Association

275 County Road 44, RR#4

Kemptville, ON K0G 1J0

1-888-791-1103

<http://www.ontariowoodlot.com/>

Shigo and Trees, Associates LLC

(Distributes the work of “father of modern arboriculture” Alex Shigo)

PO Box 2466

Snohomish, WA 98291-2466 USA

1-360-862-1869

<http://www.shigoandtrees.com>

USDA Forest Service Treesearch

<http://www.treesearch.fs.fed.us/>

Woodlot Info Shop

PO Box 208

285 George Street

Stewiacke, NS B0N 2J0

902-639-2935

<http://www.woodlotinfohop.ca/>

The following is a selection of publications we have found particularly useful:

Woodlot management & uneven-aged management

Apsley, David K., and Heiligmann, Randall. **Crop Tree Management: A New Tool to Help Achieve Your Woodland Goals**. Ohio State University School of Natural Resources Fact Sheet. n.d. Available online at <http://ohioline.osu.edu/for-fact/0050.html>

Betts, M.G., and Forbes, G.J. (Eds.) **Forest Management Guidelines to Protect Native Biodiversity in the Greater Fundy Ecosystem (Second Edition)**. Parks Canada 2005. Can be downloaded at http://www.unbf.ca/forestry/centers/fundy/documents/GFE_Guidelines.pdf

Bourque, Charles P.-A., Hassan, Quazi K., and Swift, D.E. **Modelled Potential Species Distribution for Current and Projected Future Climates for the Acadian Forest Region of Nova Scotia, Canada.** 2010. Can be downloaded online at <http://www.gov.ns.ca/natr/library/publications/forestry.asp>

First Nations Forestry Program of Nova Scotia in cooperation with the Confederacy of Mainland Mikmaq. **Awakening: Living With Today's Forest.** Eastern Woodland Publishing 2006. For copies, contact Alton Hudson, 902-867-0020 or forestry@cmmns.com

Foster, Bryan. **Wild Logging: A Guide to Environmentally and Economically Sustainable Forestry.** Mountain Press Publishing 2002. Available from booksellers.

Harrison, Girvan. **Nature's Way: An Introduction to Forest Ecology.** Earthwood Editions 2007. Can be ordered from INFOR (Item # 3945EE).

Harrison, Girvan. **Roddie's New Woodlot: Lessons on Nature and Ecological Woodlot Restoration.** Earthwood Editions 2007. Available from booksellers.

Lansky, Mitch. **Low-Impact Forestry: Forestry as if the Future Mattered.** Chelsea Green Publishing 2002. Available from booksellers.

McGrath, Tim. **Tolerant Hardwood Management Guide.** Nova Scotia Department of Natural Resources Report FOR 2007-8 No. 84. Available online at <http://www.gov.ns.ca/natr/library/forestry/reports/REPORT84.PDF>

Monthey, Roger. **Maine Non-Industrial Private Landowner Practices Crop Tree Management.** Maine Forest Service n.d. Available online at http://www.maine.gov/doc/mfs/pubs/htm/crop_tree_mgmt_nipf_in_maine.html

Monthey, Roger. **Putting Crop Tree Management into Practice.** USDA Forest Service. n.d. Available online at http://www.na.fs.fed.us/stewardship/pubs/crop_tree/crop_tree.htm

Nova Scotia Department of Natural Resources Woodlot Management Home Study Course. The course may be taken online or modules can be ordered by mail, one module at a time. Call 1-866-226-7577, contact your nearest NSDNR office, or visit <http://www.gov.ns.ca/natr/education/woodlot/>

Nyland, Ralph. **Silviculture: Concepts and Applications.** Waveland Press. 2007. Available from booksellers.

Perkey, Arlyn W., Wilkins, Brenda L., and Smith, H. Clay. **Crop Tree Management in Eastern Hardwoods.** U.S. Department of Agriculture Forest Service n.d. Available online at http://www.na.fs.fed.us/pubs/ctm/cover_to_toc.pdf

Provincial Forest Practices Improvement Board in cooperation with the Canada Department of Regional Economic Expansion and the Nova Scotia Department of Lands and Forests. **The Trees Around Us: A Manual of Good Forest Practice for Nova Scotia.** Government of Canada and Province of Nova Scotia 1980. Out of print but can often be found in libraries, used book stores, and private collections.

Schneider, Aaron. **Understanding the Value of a Hardwood Forest: A Case for Selection Management.** Nova Scotia Environment & Development Coalition 1994. Available online at <http://www.chebucto.ns.ca/Environment/SCN/CommLink/UTV258NR.html>

Simpson, Jamie. **Restoring the Acadian Forest: A Guide to Forest Stewardship for Woodlot Owners in the Maritimes.** Res Telluris 2008. Available from some booksellers in Halifax, Mahone Bay, Antigonish,

Baddeck, Annapolis Royal, and Shelburne and at the Ecology Action Centre Ecology Action Centre, 2705 Fern Lane, Halifax. It can also be downloaded free for personal use from <http://www.restelluris.ca>.

Singleton, July; Loo, Judy, and Foley, John. **Conservation Guidelines for Ecologically Sensitive Forested Sites On Private Woodlots**. Canadian Forest Service–Atlantic Forestry Centre 2000. Available online at <http://cfs.nrcan.gc.ca/subsite/guidelines/introduction>

Stewart, Bruce, Neily, Peter, and Quigley, Eugene. **Selection Cutting in Red Spruce**. Nova Scotia Department of Natural Resources Forest Management Planning 2009. Can be downloaded online at <http://www.gov.ns.ca/natr/library/publications/forestry.asp>

Pruning

Association for Sustainable Forestry. **Crop Tree Pruning** (educational pamphlet). Available online at http://www.asforestry.com/PDFs/manual/Crop%20Tree%20Pruning_ed.pdf or from the ASF Coordinator at (902) 895-1179 or coordinator@asforestry.com.

Association for Sustainable Forestry. **Crop Tree Pruning: Quality Standards**. Available online at <http://www.asforestry.com/PDFs/manual/Crop%20Tree%20PruningStan.pdf> or from the ASF Coordinator at (902) 895-1179 or coordinator@asforestry.com.

Maine Forest Service Department of Conservation. **Pruning Your Forest Trees**. Information Sheet 2. October 2002. Revised June 2006. Available online at http://www.maine.gov/doc/mfs/pubs/pdf/fpminfo/2_pruning.pdf

U.S. Department of Agriculture Forest Service. **How to Prune Trees**. Northeastern Area State & Private Forestry NA-FR-01-95. Available online at http://na.fs.fed.us/spfo/pubs/howtos/ht_prune/prun001.htm

Soil

Keys, Kevin. **Forest Soil Types of Nova Scotia: Identification, Description, and Interpretation**. Nova Scotia Department of Natural Resources 2007. Available online at <http://www.gov.ns.ca/natr/forestry/reports/NS-Soils.pdf>

Forest ecosystem classification & ecosystem-based forest management

Keys, Kevin; Neily, Peter; Quigley, Eugene, and Stewart Bruce. **Forest Ecosystem Classification of Nova Scotia's Model Forest**. Nova Forest Alliance 2004. An edition for the central region can be purchased from the NFA. A manual for the entire province will be available in mid-2010. Information on forest ecosystem classification can be purchased or downloaded from the NSDNR website, <http://www.gov.ns.ca/natr/forestry/ecological/forest-class.asp>

Keys, K.S., Neily, P.D., Quigley, E.J., and Stewart, B.J. **Field Manual for Forest Ecosystem Classification in Nova Scotia**. Nova Scotia Department of Natural Resources March 2007. Can be downloaded at <http://www.gov.ns.ca/natr/forestry/ecological/forest-class.asp>

McAfee, Brenda, and Malouin, Christian. (Eds.) **Implementing Ecosystem-Based Management Approaches in Canada's Forests: A Science-Policy Dialogue**. Natural Resources Canada Canadian Forest Service Science and Programs Branch 2009. Can be downloaded online at <http://www.gov.ns.ca/natr/library/publications/forestry.asp>

Stewart, Bruce, and Neily, Peter. **A Procedural Guide for Ecological Landscape Analysis: An Ecosystem Based Approach to Landscape Level Planning in Nova Scotia: Approved Guide for the Nova Scotia Department of Natural Resources Integrated Resource Management (IRM) Planning Process**. Report

FOR 2008-2. Nova Scotia Department of Natural Resources 2008. Can be downloaded online at <http://www.gov.ns.ca/natr/library/publications/forestry.asp>

Tree marking

Promoting a Healthy Forest Through Tree Marking. Ontario Extension Notes. n.d. Available online at http://www.lronline.com/Extension_Notes_English/pdf/tree_marking.pdf

Ontario Ministry of Natural Resources. **Ontario Tree Marking Guide.** Queen's Printer for Ontario n.d. Available online at http://ferm.mtu.edu/resources/Silviculture/tree_marking_guide.pdf

Tree Marking. The Ontario Woodlot Association n.d. http://www.ontariowoodlot.com/forman_marking.html

Hardwood tree grading

Nova Scotia Department of Natural Resources. **Hardwood Tree Grading.** Can be obtained (as single copies) by calling 1-866-226-7577 or emailing woodlot@gov.ns.ca.

Crop tree release

U.S. Department of Agriculture Forest Service. **How to Release Crop Trees in Precommercial Hardwood Stands.** Northeastern Forest Experiment Station NE-INF-90-88. n.d. Available online at <http://www.na.fs.fed.us/pubs/howtos/croptrees/ctree.htm>

Tree identification and silvics

Burns, Russell M., & Barbara H. Honkala. **Silvics of North America. Vol. 1: Conifers, Vol. 2: Softwoods.** 1990. Agriculture Handbook 654. U.S. Department of Agriculture, Forest Service. Available online at http://www.na.fs.fed.us/spfo/pubs/silvics_manual/table_of_contents.htm

Farrar, John Laird. **Trees in Canada.** Fitzhenry & Whiteside and the Canadian Forest Service 1995. Available from booksellers.

Hosie, R.C. **Native Trees of Canada** (8th ed.). Fitzhenry & Whiteside 1979. Available from booksellers.

Nova Scotia Department of Natural Resources. **Interactive Guide to Common Trees of Nova Scotia.** n.d. Available online at <http://www.gov.ns.ca/natr/forestry/TreeID/>

Ritchie, Geoffrey. **Trees of Knowledge: A Handbook of Maritime Trees.** Canadian Forest Service—Atlantic Forestry Centre Natural Resources Canada. 1996, reprinted 2004. Can be ordered from INFOR (item 3901E) or is available online at <http://cfs.nrcan.gc.ca/subsite/maritimetrees>

Saunders, Gary. **At a Glance: A Guide to Identifying and Managing Nova Scotia Hardwoods.** Nova Forest Alliance 2004. Can be purchased from the Nova Forest Alliance. An order form can be downloaded at http://www.novaforestalliance.com/media/documents/pub_order_form.pdf

Saunders, Gary. **Trees of Nova Scotia: A Guide to the Native and Exotic Species.** 102 pp. Nimbus Publishing and the Nova Scotia Department of Natural Resources 1970. Revised 1996. Available from booksellers.

Schneider, Gary, Richman, Ruth, Dacombe, Liz, MacLean, Kevin, Shaw, Susan, and MacDonald, Susan. **Native Trees and Shrubs: A Collection of Publications from the Macphail Woods Ecological Forestry Project.** Prince Edward Island Technology and Environment, Environmental Coalition of Prince Edward Island, and the Friends of Sir Andrew Macphail Foundation. Available online at

http://www.gov.pe.ca/photos/original/af_nt_shrubs_1c.pdf. Printed materials on native trees and shrubs are available from Macphail Woods.