

Resource List - Ecological Forestry 101: Intro to Silviculture & Wildlife

Web Resources

OSU Extension Forestry - extensionweb.forestry.oregonstate.edu

WSU Extension Forestry - forestry.wsu.edu

Woodland Fish and Wildlife - woodlandfishandwildlife.com

King County Noxious Weeds Program - kingcounty.gov/environment/animals-and-plants/noxious-weeds.aspx

Oregon Invasive Species Online Hotline - oregoninvasiveshotline.org

Oregon Noxious Weed Profiles (includes photos) -

oregon.gov/oda/programs/weeds/oregonnoxiousweeds/pages/aboutoregonweeds.aspx

Forest Health Topics & Information - oregon.gov/ODF/ForestBenefits/Pages/ForestHealth.aspx

Plant ID apps for Oregon and Washington - oregonhiking.com/oregon-adventures/wildflower-search

Books

- Living with Wildlife in the Pacific Northwest - by Russell Link
- Landscaping for Wildlife in the Pacific Northwest - by Russell Link
- Plants of the Pacific Northwest Coast - by Jim Pojar and Andy MacKinnon
- Native Trees of Western Washington - by Kevin Zobrist
- Trees to Know in Oregon - by Ed Jensen
- Shrubs to Know in Pacific Northwest Forests - by Ed Jensen

Technical Reference Papers and Guides

Wildlife habitat and biodiversity enhancement

Diversifying Forest Structure to Promote Wildlife Biodiversity in Western Washington Forests by Kevin Zobrist and Thomas Hinckley

20 pages, download free from <http://cru.cahe.wsu.edu/CEPublications/EM044/EM044.pdf>

- Describes management strategies for promoting high quality forest habitat that will support and promote many different species of wildlife.

Family Forests and Wildlife: What You Need to Know by Fran Cafferata Coe, Nicole Strong, and Ken Bevis

7 pages, download free from: <http://westernforestry.org/WoodlandFishAndWildlife/wp-content/uploads/2015/09/Keystone-pub-v5-1.pdf>

- Quick primer on what you can do to protect and enhance wildlife habitat.

Habitat Conservation for Landbirds in Coniferous Forests of Western Oregon and Washington by Bob Altman and John Alexander for Oregon-Washington Partners in Flight

98 pages, download free from http://www.orwapif.org/sites/default/files/Western_Conifer_Plan_new.pdf

- Describes what “we think the birds need” for host focal species who require specific habitat attributes.

Silviculture with Birds in Mind by Vermont Audubon

24 pages, download free from <http://vt.audubon.org/foresters-birds>

- Describes options for integrating timber management and songbird habitat, while focused on eastern North American forests, the concepts apply to Pacific Northwest.

Forest ecology and silvicultural methods applied in ecological forestry

Forest Ecology in Washington

44 pages, download free from <https://courses.washington.edu/fm323/Readings/ForEcoInWA-eb1943.pdf>

- Introductory guide to the forest types and stages of development found in Washington (applicable to Oregon as well).

Two-Aged Stand Management in the Coast Range

- Case study about uneven-aged harvest methods and forest stewardship: <https://catalog.extension.oregonstate.edu/files/project/pdf/em9082.pdf>

Individual Tree Selection (ITS) in a Northeast Oregon Mixed Conifer Forest

- Case study about uneven-aged harvest methods and forest stewardship: <https://catalog.extension.oregonstate.edu/files/project/pdf/em9083.pdf>

Mixed Conifer and Hardwood Forest Management in Southwest Oregon

- Case study about uneven-aged harvest methods and forest stewardship: <https://catalog.extension.oregonstate.edu/files/project/pdf/em9084.pdf>

Group Selection Cutting in Mature Douglas-fir Forests

- Case study about uneven-aged harvest methods applied in OSU's McDonald-Dunn Forest: <https://catalog.extension.oregonstate.edu/files/project/pdf/em9106.pdf>

Variable Density Thinning

<http://www.fs.fed.us/pnw/olympia/silv/ohds/>

- Long-term scientific study that started in 1994 as a cooperative effort between the Pacific Northwest Research Station and the Olympic National Forest.

Ecological forestry background documents

Fire Regime Tables for Pacific Northwest Plant Communities

http://www.fs.fed.us/database/feis/fire_regime_table/PNVG_fire_regime_table.html#PacificNorthwest

Controversy Over Clearcutting

http://www.foresthistory.org/ASPNET/Policy/Forest_Management/Clearcutting/timeline.aspx

Selective cutting in Douglas-fir: History Revisited

http://www.fs.fed.us/pnw/olympia/silv/publications/opt/418_Curtis1998b.pdf

Getting to know what and who lives in your forest

Inventory and Mapping: A Beginner's Guide to Basic Inventory and Digital Mapping of Non-timber Forest Products on Small Private Forestlands by Eric Jones et al.

33 pages, download free from <http://ntfinfo.us/publications/index.html>

- How to use simple inventory techniques and free digital mapping tools to create a map of non-timber forest products on your land.

Conducting a Forest Biodiversity Assessment: A Guide for Forest Owners and Land Stewards by Northwest Natural Resources Group

21 pages, download free from <http://nnerg.org/resources/monitoring-and-inventory-tools>

- Comes with checklists that can be used to assess biodiversity features in various ecosystem types.

Thinning and harvesting considerations

Small-scale Harvesting for Woodland Owners

14 pages, download free from

<https://catalog.extension.oregonstate.edu/sites/catalog.extension.oregonstate.edu/files/project/pdf/em9129.pdf>

- Factors to consider when preparing for a timber harvest, good introduction to methods, infrastructure, contracts, sequence.

A Primer for Timber Harvesting

40 pages, download free from <https://pubs.wsu.edu/ItemDetail.aspx?ProductID=13541>

- A basic book for those who want to understand all the aspects of timber harvesting and alternatives.

Using Pre-commercial Thinning to Enhance Woodland Productivity

12 pages, download free from

<https://ir.library.oregonstate.edu/xmlui/bitstream/handle/1957/14000/ec1189.pdf>

- A guide and recommendations for conducting a pre-commercial thinning.

Mapping Tools

Google Earth - www.earth.google.com

Google Earth for Landowners - <http://extension.oregonstate.edu/coos/ge>

Oregon Explorer - www.oregonexplorer.info

Ecotrust's Forest Planner - www.forestplanner.ecotrust.org

Membership Networks and Associations for Forest Landowners

Oregon Small Woodlands Association – <http://www.oswa.org>

Oregon Woodland Cooperative – www.oregonwoodlandcooperative.com

Northwest Certified Forestry – www.nnrg.org

Washington Farm Forestry Association – <http://www.wafarmforestry.com>