

You are invited to attend:



# HOW TO INVENTORY & MONITOR SMALL WOODLANDS

Small forest landowners in the Pacific Northwest manage some of the most biologically rich forests in the world. This biological diversity provides many opportunities to manage for multiple benefits. By understanding the resources and growth characteristics of their forestlands, landowners can develop stewardship plans that optimize the ecological and economic opportunities their forests offer. By treating forestry like a business, landowners can monitor productivity, reduce risk and position themselves for emerging markets such as certified wood products and ecosystem services.

Participants of this two-day intensive course will learn how to use basic forestry tools and data collection methods to create an inventory of their forest resources and implement a monitoring program. This workshop will provide useful information for all owners of small forestlands including family forest owners, land trusts, non-profit conservation groups, municipalities, small business, and others.

Topics will include:

- Establishing inventory and monitoring plots
- Measuring tree height, diameter and volume
- Inventorying & monitoring wildlife habitat
- Inventorying & monitoring forest roads
- Organizing & maintaining data thru the years
- Calculating timber growth & yield
- How to use basic forestry tools
- Mapping your forestland
- Grading standing timber
- How to cruise timber
- Monitoring streams & wetlands
- And more...

**DATE:** Saturday & Sunday, April 14th - 15th, 2007

**LOCATION:** Olympia, WA (near Millersylvania State Park)

**COST:** \$90 per person, \$160 per family (\$70/\$130 for NCF members)

**MORE INFO:** Kirk Hanson: 360-316-9317, [kirk@nnrg.org](mailto:kirk@nnrg.org)

**REGISTRATION:** Pre-registration is required as space is limited to 30 participants. Please use the form on the backside of this flier.

**LUNCH:** Refreshments and lunch will be provided.

**What to bring:** Snacks, forest inventory tools (if you own them), sturdy walking shoes, all-weather clothing, camera, notebook, water bottle, directions to the site, a family member or friend!

**Northwest Certified Forestry (NCF)** is a non-profit membership and services program developed by the Northwest Natural Resource Group to assist small forest landowners with optimizing the economic and ecological potential of their forestlands. Visit [www.nnrg.org](http://www.nnrg.org) for more information.

Sponsored by:



**Presenters:**

Derek Churchill  
Stewardship Forestry Alternatives

Larry Dominguez  
EcoAssets Consulting

Kirk Hanson  
Northwest Natural Resource Group

**Day 1: Forest stands**

Morning classroom sessions

- 8:30 - Introduction
- 9:30 - Forest inventory basics
- 10:30 - Break
- 10:45 - Mapping & setting up a cruise
- 12:00 - Lunch

Afternoon field practice sessions

- 1:00 - Intro. to basic forestry tools
- 2:00 - Transects & plots
- 3:00 - Measuring & grading trees
- 4:00 - Data analysis
- 5:00 - End

**Day 2: Forest resources**

Morning classroom sessions

- 9:00 - Introduction
- 10:00 - Assessing forest resources (habitat, streams, wetlands, roads)
- 10:45 - Break
- 11:00 - Using data collection sheets
- 12:00 - Lunch

Afternoon field practice sessions

- 1:00 - Assessing forest roads
- 2:00 - Assessing streams & wetlands
- 3:00 - Assessing wildlife habitat
- 4:00 - Data analysis
- 5:00 - End

## Speaker Profiles:



### Derek Churchill

Derek Churchill received his Masters degree in silviculture and conservation biology at the University of Washington where he focused on uneven-aged management of Douglas-fir and developing wildlife habitat and old growth structure in young forests. He is a consulting forester with the Vashon Forest Stewards, a community forestry group that works with landowners on thinning and forest health projects. He has worked with King County, the US Forest Service, the Nature Conservancy, the Vashon Park District, and numerous private landowners to set up and install forest monitoring systems. Along with his father, he has managed family forestland in Southern Oregon and Vashon Island for 15 years.



### Larry Dominguez

Larry Dominguez received his Masters degree in Environmental Studies with emphasis on aquatic, watershed and animal sciences from The Evergreen State College. Larry has worked professionally in the fields of landscape planning, effects of land management on aquatic habitats, stream and watershed restoration, and salmon behavior and ecology. He is a scientist for Washington State consulting for marine and freshwater aquatic lands. Larry previously worked with the Small Forest Landowner office assisting landowners with silvicultural and restoration planning in riparian areas. He has also served as a biologist with National Marine Fisheries Service, US Fish and Wildlife Service, and assisted in salmon ecology research at the University of Washington.



### Kirk Hanson

Kirk is a small forest landowner with a 30-acre tree farm near Oakville, Washington where he manages a regenerating forest and develops experimental agroforestry systems. He has worked on strategies for combining rural economic development with environmental enhancement in the Pacific Northwest for over 10 years. Kirk previously worked for the DNR's Small Forest Landowner Office assisting landowners with identifying financial and technical assistance programs. He has also worked for a private fisheries consulting firm developing riparian agroforestry systems for working farms. Kirk is currently the South Sound Regional Manager for Northwest Certified Forestry.

## Directions:

Ken & Bonnie Miller's Tree Farm: 11801 Tilley Road, Olympia, WA 98512

From I-5 South of Olympia take Exit #99. Head east on 93rd (also called State Highway #121 South) to second 4-way stop sign. Turn right (south) on Tilley Road. Drive 2.5 miles and turn right into dirt driveway (11801 Tilley Road); follow single lane gravel road through park 1.3 miles to private residence. A sign will be posted at mailbox on Tilley Road.

If lost, call: 360-316-9317

**Note:** Although this is a two-day workshop and participants are encouraged to attend both days, if you are only interested in learning about inventorying forest stands, you may elect to attend Day 1 only. The cost for attending Day 1 only is \$60 (\$50 for NCF members). Please contact Kirk Hanson for more details.

## Registration Form for Inventory & Monitoring Workshop

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

### Registration:

Standard: #attending \_\_\_\_\_ x \$90 = \$ \_\_\_\_\_ , or # in family \_\_\_\_\_ @\$160

NCF Member: #attending \_\_\_\_\_ x \$70 = \$ \_\_\_\_\_ , or # in family \_\_\_\_\_ @\$130

To register, mail payment to:

**NNRG**

**PO Box 1067**

**Port Townsend, WA 98368**

*Make checks payable to: NNRG*