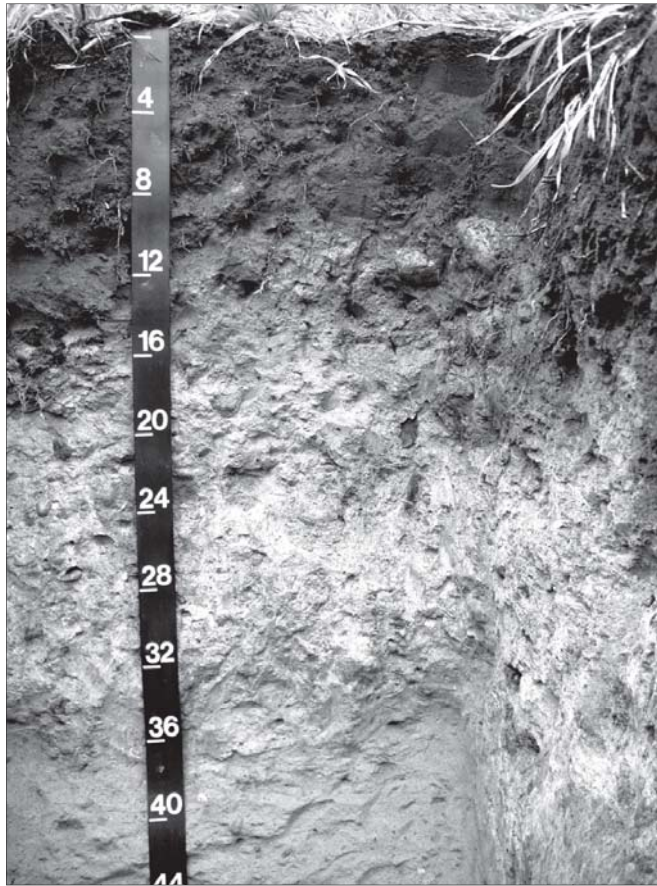


# Best Management Practices for Maintaining Soil Productivity in the Douglas-fir Region



Sponsored by: Northwest Forest Soils Council and  
Western Forestry and Conservation Association

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September 22, 2009 • Little Creek Casino  
**Shelton, WA**

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9:00 AM *Soil Stewardship: Understanding How Your Forest Management Practices can Maintain, Improve or Degrade Soil Productivity* — **Dick Miller**, PNW Research Station, USDA Forest Service, Olympia, WA (Retired) and **Tom Terry**, Weyerhaeuser, Centralia, WA (Retired)

- What are the factors affecting forest productivity and yield?
- Soil stressors and response = Actions, reactions and consequences
- Potential hazard + consequences = Risk
- Best management practices to avoid or reduce risk
- Soil stewardship: Assess and manage risk

9:30 *Not All Soils are Equal: Soil Characteristics that Affect Productivity* — **Darlene Zabowski**, College of Forest Resources, University of Washington, Seattle, WA

- What are the important physical, chemical and biological soil characteristics?
- Understanding a soil's productive capacity

10:00 Break

10:30 *How do You Determine the Type, Characteristics and Erosion Potential for Soils on Your Ownership? Using the Natural Resource Conservation Service Soil Survey Reports and Web Site* — **Steve Campbell**, Natural Resource Conservation Service, Portland, OR

- Sources of soil information: Using NRCS survey reports and web site.
- What are the factors affecting soil erosion?
- Best management practices to reduce erosion

11:00 *Hands-on Small Group Sessions: Class will be divided into small groups to view soils of three different textures (sandy, loamy and clayey) in sedimentation jars, feel samples for identification and texture, and then discuss how texture and coarse-fragment content can affect risk from forest practices. Each small group will be led by a workshop instructor.*

NOON Lunch (included with registration)

### Stand Management Coop Annual Meeting

Sept. 23, Little Creek Casino, 8:30 AM – 4:00 PM

Contact: Megan O'Shea: moshea@u.washington.edu

### Looking for Red Flags in the Field: Identifying Your Risky Areas

1:00 PM *Mass Wasting: Field Identification of Risk and Options for Mitigation* — **Jeff Grizzel**, Washington State Department of Natural Resources, Olympia, WA

- Understanding the relationship between geology and soils
- Using field-assessment and decision tools
- Best management practices to reduce mass-wasting risk

1:30 *Incorporating Risk Into Your Everyday Field Practices: Linking Your Soil Information to Compaction and Displacement From Traffic and Equipment* — **Ron Heninger**, Weyerhaeuser, Springfield, OR (Retired)

- How to use a soil disturbance classification system
- Understanding how your actions can have consequences for soil productivity and tree growth
- Identifying risky areas for compaction and displacement

1:50 *How Can I Improve My Soils? Nutrient Deficiencies and Fertilization* — **Rob Harrison**, College of Forest Resources, University of Washington, Seattle, WA

- General principles of tree nutrition
- Nutrient limitations from native poor fertility or intensive utilization
- Risk-rating soils for biomass removals and nutrient withdrawals
- Potential of fertilization to maintain and enhance native fertility
- Identifying nutrient deficiency in the field
- Best management practices for maintaining or enhancing soil fertility

2:20 *What Have I Learned? Using Field Evaluations to Identify Red Flags Before Beginning Operations* — **Dick Miller** and **Jim Boyle**, College of Forestry, Oregon State University, Corvallis (Retired).

Before-and-after pictures will be used to illustrate different management operations. Attendees will evaluate these pictures of forestry sites for potential risks with the help of the instructors, and appropriate forest management activities will be recommended to mitigate the risks.

3:00 Adjourn

## REGISTRATION FORM

NAME \_\_\_\_\_

ORGANIZATION/AFFILIATION \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

TELEPHONE \_\_\_\_\_ FAX \_\_\_\_\_

EMAIL \_\_\_\_\_

### Registration Questions?

Contact Michele at 888-722-9416 or 503-226-4562  
or richard@westernforestry.org

Western Forestry and Conservation Association  
4033 SW Canyon Road  
Portland, OR 97721  
fax: 503-226-2515 | www.westernforestry.org

### Registration

### Payment Methods

	AMOUNT
ON OR BEFORE SEP 16	\$175 _____
AFTER SEP 16	\$225 _____

### Questions?

Call 888-722-9416 or 503-226-4562  
or email michele@westernforestry.org

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1. Please make check payable to:

WFCA  
4033 SW Canyon Rd.  
Portland, OR 97221

2. Purchase order # \_\_\_\_\_

3. Charge to: MC VISA AmEx  
(please circle)

Account # \_\_\_\_\_

Expiration Date \_\_\_\_\_ Security Code \_\_\_\_\_  
(on back of card)

4. Register online at www.westernforestry.org

Workshop location and lodging:

The workshop will take place at the Little Creek Casino, Shelton, WA located at 91 State Route 108, south of Shelton, WA. Reduced rate lodging is available at Little Creek by calling 360-993-4500 and mentioning Western Forestry and Conservation. The rate for a single room is \$70 plus tax. After September 7, the reduced rate will be subject to availability.

Registration:

The registration fee is \$175 if received by September 16 or \$225 if received after September 16, 2009. The registration fee includes a book of speaker materials, lunch and refreshments. Checks should be made payable to Western Forestry and Conservation Association. Purchase orders, VISA/MasterCard, and American Express are accepted. Tax id # 930-331-712. No refunds for cancellations after September 16, but substitutions are always welcome. Registration is available on line at [www.westernforestry.org](http://www.westernforestry.org)

Society of American Foresters CFE credits:

By attending this workshop, participants will be eligible for 4.5 CFE hours in Category 1.

Registration or conference questions:

Call Michele at 888-722-9416 or 503-226-4562 or [michele@westernforestry.org](mailto:michele@westernforestry.org)

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