

 Western Forestry and  
Conservation Association

**Restoration of Disturbed Sites  
with Native Plants:  
AN INTEGRATED APPROACH**

**June 14–17, 2010 • Wenatchee, WA**



# Restoration of Disturbed Sites with Native Plants: AN INTEGRATED APPROACH

June 14 - 17, 2010 • Wenatchee, WA

## Day 1: Monday, June 14, 2010

### 1:00 pm Welcome

- *Training Introduction: Understanding the importance of restoration, disturbance types and their challenges, and the definition of locally-adapted native plants* — **Vicky Erickson**
- *An Integrated Approach: Restoring disturbed sites in a manner that is interdisciplinary, collaborative, context-sensitive and goal-oriented* — **Kim Wilkinson**
- *The Target Plant Concept in Restoration: Balancing the components of objectives, limiting factors, genetics, plant materials, installation methods and timing* — **Tom Landis**
- *Setting Objectives: Defining your revegetation objectives and desired future conditions as the foundation of your project* — **David Steinfeld** and **Chris Hoag**

### 5:00 pm Adjourn

## Day 2: Tuesday, June 15, 2010

### 8:30 am Overview — Kim Wilkinson

- *Gathering Prefield Information: Collecting resources and information to support your field work* — **Matt Horning** and **Tom Landis**
- *Defining Your Revegetation Units: Mapping for similar soils, vegetation and climate* — **Lee Riley** and **Chris Hoag**
- *Defining Your Reference Sites: Locating recovering and undisturbed areas to model project site revegetation* — **Lee Riley** and **Chris Hoag**

### 11:45 am Lunch (on your own)

### 1:00 pm

- *Conducting an Inventory of Soils and Climate: Assessing for surface cover, topsoil, subsoil, parent material, stability, and nutrient content* — **David Steinfeld** and **Chris Hoag**
- *Conducting an Inventory of Vegetation: Inventorying species and building a comprehensive species table* — **Scott Riley**
- *Identify Limiting Factors and Site Resources in Terrestrial Areas: Learning to identify the site factors limiting plant growth* — **David Steinfeld**
- *Identify Limiting Factors and Site Resources in Riparian Areas: Learning to identify the site factors limiting plant growth* — **Chris Hoag**

### 5:00 pm Adjourn

## Day 3: Wednesday, June 16, 2010

### 8:30 am Overview — Kim Wilkinson

- *Identify Mitigating Measures and How to Increase Plant Survival and Growth in Terrestrial Areas* — **David Steinfeld**
- *Identify Mitigating Measures and How to Increase Plant Survival and Growth in Riparian Areas* — **Chris Hoag**

**11:30 am** Field Trip (Locations TBA, may include plant materials and demo, outplanting methods, and a restoration project)

### 5:00 pm Return to hotel

## Day 4: Thursday, June 17, 2010

### 8:00 am Overview — Kim Wilkinson

- *Selecting Site-Appropriate Species* — **Scott Riley**
- *Target Plant Genetics: Learn how to define locally-adapted, genetically appropriate sources of plant materials* — **Matt Horning**
- *Plants: Learn how to work with nursery stocktypes* — **Tom Landis**
- *Cuttings: Learn how to work with cuttings* — **Chris Hoag**

### 11:45 am Lunch (on your own)

### 1:00 pm

- *Seeds: Learn how to work with seeds* — **Scott Riley**
- *Pulling It All Together: Developing a revegetation plan from your project objectives* — **David Steinfeld**
- **Wrap-up and Evaluations**

### 5:00 pm Adjourn

## About the Speakers

**Vicky Erickson** is the Regional Geneticist and Native Plant Program Manager for the Pacific Northwest Region of the USDA Forest Service. She has oversight over forest genetic resource programs, conifer seed production, and a new program to develop new standards, methods, and operational programs for wildland seed collection, nursery propagation, and seed production in agronomic environments.

**Chris Hoag** has recently retired from the USDA NRCS as a Riparian Plant Ecologist and the project leader of the Interagency Riparian/Wetland Plant Development Project at the Plant Materials Center in Aberdeen, Idaho. He has been working on riparian systems and wetlands for over 30 years. Chris has been training conservationists, professionals, consultants, and landowners in riparian dynamics, stream bank erosion control techniques, wetland restoration techniques, and wetland plant propagation techniques since 1991. He is currently the principle with Hoag Riparian & Wetland Restoration, LLC a consulting firm specializing in riparian and wetland restoration projects.

**Matt Horning** is a geneticist with the USDA Forest Service Pacific Northwest Region. His primary role is to provide guidance to land managers on the use of genetically appropriate plant materials in restoration activities. Much of his work is focused on creating seed transfer guidelines for native grasses and shrubs used on arid lands.

**Tom Landis** is the retired National Nursery Specialist for the USDA Forest Service and currently a native plant nursery consultant. His involvement has been with the plant materials aspect of restoration. Tom specializes in providing technical assistance and technology transfer to people and companies growing and planting native plants for reforestation, restoration and conservation. He is the author of the seven-volume Container Tree Nursery Manual, a classic guide to starting and operating nurseries.



**David Steinfeld** is a revegetation specialist with the USDA Forest Service. He started as a field soil scientist in Oregon and Utah, then became nursery culturist and assistant manager at the J. Herbert Stone Nursery in Oregon where he helped start the nursery's native plants program. Over the last ten years, David has worked with the Federal Highway Administration on revegetating road construction projects with native plants.

**Lee Riley** is a nursery and revegetation specialist with the USDA Forest Service. She has an MS in genetics from the University of Montana, and has worked for the Forest Service for 26 years. She worked for the Forest Service in Montana in revegetation, silviculture, and timber, was an operations analyst at the J. Herbert Stone Nursery in Oregon, and has been the nursery and seed operations forester at Dorena Genetic Resource Center in Oregon for 19 years. She is currently working on developing a native plants program, including grasses, sedges, forbs, and shrubs, for technology development. Over the last four years, Lee has worked with Region 6 Forest Service Restoration team on growing and culturing plants for

outplanting, and developing and implementing restoration plans for projects with Federal Highway Administration.

**Scott Riley** is a restoration coordinator for Forest Service Region 6, and for Western Federal Lands - Forest Highways Program. He has worked in Idaho, Oregon, and Washington for both the BLM and FS as a botanist and currently coordinates Federal and State restoration projects in Oregon, Washington, Idaho, and Montana. Scott's mission has been to establish native plants on challenging roadside conditions and more recently broadening his scope to include restoration of other forms of ecological disturbance.

**Kim Wilkinson** is a consultant specializing in environmental management. She has been working with land restoration and native plants since 1992, including ten years as a reforestation planner and owner/operator of Future Forests, a native plant nursery in Hawaii. She has organized a number of workshops, trainings, and accredited university courses and is an author of five books on ecological restoration and cultural renewal.

## REGISTRATION FORM

NAME \_\_\_\_\_

ORGANIZATION AND AFFILIATION \_\_\_\_\_

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

EMAIL \_\_\_\_\_ TEL \_\_\_\_\_

### Registration

	AMOUNT
BEFORE June 7	\$395 _____
AFTER June 7	\$445 _____

### Questions?

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

Western Forestry and Conservation Association  
4033 SW Canyon Rd.  
Portland, OR 97221  
503-226-4562, 888-722-9416 FAX: 503-226-2515

Register on-line at: [www.westernforestry.org](http://www.westernforestry.org)

### Payment Method

**1. Please make check payable to:**

WFCA  
4033 SW Canyon Rd.  
Portland OR 97221, USA

**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](http://www.westernforestry.org)**

**Workshop Information**

The workshop will be held at the Red Lion Hotel at 1225 North Wenatchee Avenue, Wenatchee, WA.

**Lodging**

Reduced rate lodging is available at the Red Lion by calling 509-663-0711. Single rooms are \$90 plus tax and doubles are \$100 plus tax. A limited number of government per diem rooms are also available at \$70 plus tax for a single room.

**Registration**

The registration fee is \$395 if received by June 7, 2010 or \$425 if received after June 7, 2010. The registration fee includes a 3 ring binder of speaker materials and refreshments. Checks should be made payable to Western Forestry and Conservation Association. Purchase orders, VISA/MasterCard, and American Express are also accepted.

Tax id # 930-331-712. No refunds for cancellations after June 7, but substitutions are always welcome. Registration is available on line at [www.westernforestry.org](http://www.westernforestry.org)

This workshop will be based on the Federal Highway Administration book: *Roadside Revegetation: An Integrated Approach to Establishing Native Plants* (FHWA-WFL/TD-07-005) It is recommended for attendees to bring a copy if they have one. A limited number of copies will be available for distribution at the workshop.

---

**Registration questions?**

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

**Western Forestry and Conservation Association**  
**4033 SW Canyon Rd., Portland, OR 97221**  
**503-226-4562 | 888-722-9416 | Fax: 503-226-2515**

Register online at [www.westernforestry.org](http://www.westernforestry.org)

Nonprofit Org:  
U.S. Postage  
PAID  
Portland, OR  
Permit No. 4953

Western Forestry and Conservation Association  
4033 SW Canyon Road  
Portland, OR 97221, USA  
503-226-4562