



**Volcanic Ash-cap Forest
Soils of the Inland Northwest**
*Properties and Implications for
Management and Restoration*

November 9-10, 2005

Sponsored by:

**Rocky Mountain Research Station,
USDA Forest Service, and Western
Forestry and Conservation Association**

Coeur d'Alene Resort, Coeur d'Alene, Idaho

Volcanic Ash-cap Forest Soils of the Inland Northwest

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Wednesday, November 9, 2005

Session I: Properties, Characteristics, and Distribution of Ash-cap Soils

- 1:00 pm *Introduction: Overview and Issues*—**Steve Daly-Laursen**, University of Idaho, Moscow, ID
- 1:30 *Depositional History, Current Distribution and Field Recognition of Ash-cap Soils in Northern Idaho and Eastern Washington*—**Mark Kimsey**, University of Idaho, Moscow, ID
- 2:15 Break
- 2:45 *Physical and Chemical Characteristics of Ash-cap Soils of Inland Northwest Forests*—**Paul McDaniel**, University of Idaho, Moscow, ID
- 3:30 *Assessing Soil Quality in Volcanic Ash-cap Soils*—**Steve Howes**, USDA Forest Service, Portland, OR

Session II: Special Topic

- 4:00 *The Grand Fir Mosaic—History and Management Impacts*—**Dennis Ferguson**, Rocky Mountain Research Station, USDA Forest Service, Moscow, ID
- 4:40 Question and Answer Session
- 5:00 Poster Session
- 6:00 Evening Dinner: *Management Perspectives From a Former Soil Scientist and Line Officer*—**Larry Ross**, USDA Forest Service, Potlatch, ID

Thursday, November 10, 2005

Session III: Past Activities on Ash-derived Soils and Their Consequences

- 8:00 am *Hazard Identification on Volcanic Ash-cap Soils*—**Jim Mital**, USDA Forest Service, Orofino, ID
- 8:50 *Effect of Machine Traffic on the Soil Properties of Ash-cap Soils*—**Leonard Johnson**, University of Idaho, Moscow, ID
- 9:40 Break
- 10:00 *Fire Effects on Infiltration and Erodibility After Prescribed Fires and Wildfires on Volcanic Ash-cap Soils*—**Peter Robichaud**, Rocky Mountain Research Station, USDA Forest Service, Moscow, ID
- 10:50 Question and Answer Session
- 11:30 Lunch

Session IV: Management Alternatives for Ash-cap soils

- 12:30 pm *Management Strategies: Insects and Disease, Harvesting, and BMPs*—**Mike Curran**, BC Ministry of Forests, Nelson, BC
- 1:20 *Restoration of Degraded Ash-cap Soils*—**Chuck Bulmer**, British Columbia Ministry of Forests, Nelson, BC
- 2:10 Break
- 2:30 *Nutrition: Ways to Improve Tree Performance*—**Mariann Garrison-Johnston**, University of Idaho, Moscow, ID
- 3:20 *The Economics of Using Timber Harvesting Equipment on Ash-cap Soils*—**Han-Sup Han**, University of Idaho, Moscow, ID
- 4:10 Question and answer session
- 4:30 Conference Wrap-up—**Dick Miller**, USDA Forest Service, PNW Research Station (retired), Olympia, WA

Volcanic ash-influenced soils are extensive in the Pacific Northwestern USA. These lands are highly productive, but can be prone to substantial changes in soil properties after management. In addition, many impacted sites have slow soil recovery. Attend this conference to learn the impact of management activities and explore ways to maintain soil quality.



REGISTRATION FORM

**Volcanic Ash-cap Forest Soils of the Inland Northwest
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Registration

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On or before Nov 1 USD \$165	_____
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Questions?

**Call (888) 722-9416 or (503) 226-4562 or
michele@westernforestry.org**

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CONFERENCE INFORMATION

Location and Lodging: All conference events will take place at the Coeur d'Alene Resort in Coeur d'Alene, Idaho. Reduced rate lodging is available by calling 800-365-8338 and mentioning Western Forestry and Conservation Association. Single or double rooms are \$79 plus tax. After October 9, reduced rate rooms will be subject to availability.

Registration: The registration fee is \$165 if received by November 1 or \$195 if received after November 1. The registration fee includes a book of speaker materials, one lunch and dinner and daily refreshments. Checks should be made payable to Western Forestry and Conservation Association. Purchase orders, VISA/MasterCard, Discover and American Express are accepted. Tax id # 93-331-712. No refunds for cancellations after November 1, but substitutions are always welcome. Registration is available on line at www.westernforestry.org

Society of American Foresters CFE credits: By attending this conference, participants are eligible for 10.5 contact hours in Category 1. A CFE form will be available on-site.

Registration questions?

Call Michele at (503) 226-4562 or (888) 722-9416
michelle@westernforestry.org

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