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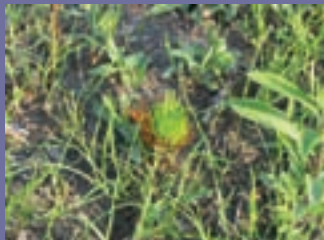
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# Integrated Restoration of Forested Ecosystems to Achieve Multiresource Benefits:

## Proceedings of the 2007 National Silviculture Workshop

May 7-10, 2007

Ketchikan, AK



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## Technical Editor

**Robert L. Deal** is a research forester, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Focused Science Delivery Program, 620 SW Main St., Suite 400, Portland, OR 97205.

**Graphic design:** Patrick Kelley, Portland, OR, email: pthek1@yahoo.com

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Robert L. Deal  
Technical Editor

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## ABSTRACT

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A primary mission of the U.S. Department of Agriculture Forest Service is multiple resource management, and one of the emerging themes is forest restoration. The National Silviculture Workshop, a biennial event co-sponsored by the Forest Service, was held May 7-10, 2007, in Ketchikan, Alaska, with the theme of "Integrated Restoration of Forested Ecosystems to Achieve Multiresource Benefits." This proceedings presents a compilation of state-of-the-art silvicultural research and forestry management papers that demonstrates integrated restoration to yield multiple resource benefits. These papers highlight national perspectives on ecosystem services, forest restoration and climate change, and regional perspectives on forest restoration and silvicultural practices to achieve multiple resource benefits from researchers and forest practitioners working in a broad array of forest types in the United States.

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## PREFACE

The National Silviculture Workshop is a biennial event sponsored by the U.S. Department of Agriculture Forest Service that brings together silviculturists, forest practitioners and researchers in the Forest Service to discuss emerging issues for forest management. In 2007, the workshop was held May 7-10, in Ketchikan, Alaska. The Washington office Forest Management and Vegetation Management and Protection Research Staffs, the R-10 Alaska Regional Office, the Tongass National Forest, and the Pacific Northwest Research Station (PNW) jointly hosted the workshop. The theme for the 2007 workshop was “Integrated Restoration of Forested Ecosystems to Achieve Multiresource Benefits” and the primary goal of the workshop was to present and discuss new ideas in silviculture and forest management that produce multiple resource benefits.

The 2007 National Silviculture Workshop included broad national-scale topics including ecosystem services, frameworks for restoration, climate change, and historical perspectives on restoration. Examples of these national perspectives included a keynote address by USFS Associate Chief Sally Collins on ecosystem services, and presentations on frameworks for restoration, key concepts of sustainability, and restoration efforts in a changing climate. The workshop also included regional perspectives from researchers and silviculturists working in numerous forest types and regions of the United States. Topics included restoration of old-growth forests, increasing biodiversity, improving wildlife habitat, fuel reduction, and forest insect, disease, and health issues. The presentations and proceedings papers are examples of state-of-the-art research and application in different regions of the country. These papers demonstrate the increasing importance of collaborative efforts and successful partnerships between Research and Development, National Forest System, and external partners that promote active management to achieve multiple resource forestry management objectives.

The 4-day workshop included 3 days of presentations and poster sessions and a field trip and overnight stay on Prince of Wales Island to visit natural and managed forests, cultural activities, and a sawmill. Speakers were invited to submit papers for publication, and all submitted papers were peer-reviewed by at least two referees. These proceedings include 22 papers and 8 poster abstracts from the National Silviculture Workshop.

Robert L. Deal  
Pacific Northwest Research Station

## ACKNOWLEDGMENTS

The organizing committee members of the 2007 National Silviculture Workshop deserve special recognition for their efforts in making the symposium and this publication a success:

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