

## **Ecosystem Restoration Workshops**

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Ecosystem restoration has broad application; it may be designed for use on terrestrial, aquatic, or riparian ecosystems. Restoration planning for forested ecosystems involves the identification of the damaging agent and its effect on particular forest values, setting ecosystem restoration goals and objectives, and implementation and evaluation of restoration strategies for meeting these objectives. In some areas, silviculture treatments may be suitable as strategies for restoring ecosystems to meet both timber and non-timber values.

This workshop is intended to provide participants with a better understanding of ecosystem restoration planning and monitoring in BC, and terrestrial, riparian, and aquatic restoration techniques for mitigating the effects of mountain pine beetle and wildfire disturbance events.

### **Project Report**

**A - Ecosystem Restoration in Mountain Pine Beetle and Wildfire Impacted Areas: Tools and Techniques – Barriers, Knowledge Gaps, and Evaluation Results.** [PDF 444 KB]

Jennifer Turner and Kathie Swift

### **Workshop Presentations**

**February 28th, 2006, Thompson Rivers University, Kamloops, BC**

**B - Welcome and Introduction**

Background on the development of the Ecosystem Restoration Strategy. [PDF - 537 KB]  
Colene Wood, BC Ministry of Environment

**C - Terrestrial Techniques**

Ecosystem Restoration - Focused on Fire Dependent Ecosystems. [PDF - 10.7 MB]  
Bruce Blackwell, BA Blackwell & Assoc.

**D - Ecological Rationale and Implementation Guide for Post- Wildfire Salvage.** [PDF - 6.9 MB]

Bob Gray, R.W. Gray Consulting Ltd.

**E - Putting roads into perspective for ecosystem restoration Restoration options for managing mass wasting impacts after fire.** [PDF - 9.4 MB]

Don Dobson, Dobson Engineering Ltd.

**F** - Soil Bioengineering for Upslope Restoration and Invasive Species Management in Ecological Restoration. [PDF - 9.3 MB]  
Dave Polster, Polster Environmental Services Ltd.

**G** - Riparian/Aquatic Techniques  
Riparian - Function, Restoration Techniques, and Implementation for Fish Habitat Improvement. [PDF - 12.8 MB]  
Patricia Carlson and Sean Bennett, Department of Fisheries and Oceans

**H** - Channel Restoration Using Constructed Riffles. [PDF - 10.0 MB]  
Alan Bates, Streamworks Unlimited

**I** - Soil bioengineering for Riparian Restoration.[PDF - 13.4 MB]  
Dave Polster, Polster Environmental Services Ltd.

**J** - Restoration of the Atnarko River Riparian Zone after the Lonesome Lake Fire. [PDF - 11.2 MB]  
Vince Poulin, VA Poulin & Associates Ltd. Bart Simmons, ERA Ecosystem Restoration Assoc. Inc.

**March 2nd, 2006, Prince George Civic Centre, Prince George, BC**

**K** -Welcome and Introduction  
Background on the development of the Ecosystem Restoration Strategy. [PDF - 1.1 MB]  
Chris Ritchie, BC Ministry of Environment

**L** - Evaluating Options Along the Forest Restoration Continuum. [PDF - 2.5 MB]  
Phil Burton, Canadian Forest Service

**M** - Terrestrial Techniques  
Ecosystem Restoration - Focused on Mountain Pine Beetle Damaged Ecosystems. [PDF - 4.3 MB]  
Bruce Blackwell, BA Blackwell & Assoc.

Soil Bioengineering for Upslope Restoration and Invasive Species Management in Ecological Restoration. [PDF - 12.5 MB]  
Dave Polster, Polster Environmental Services Ltd. **See Section F**

**N** - Restoration of Mountain Pine Beetle-Impacted Areas Using Shaded Fuel Breaks for Interface Fire Mitigation. [PDF - 14.3 MB]  
Vince Poulin, VA Poulin & Associates Ltd.  
Bart Simmons, ERA Ecosystem Restoration Assoc. Inc.

**O** - Tree condition and related worker safety concerns in beetle- killed pine stands: Implications to stand structure condition. [PDF - 1.5 MB]  
Aaron Deans, Manning, Cooper & Associates

Riparian/Aquatic Techniques

Riparian - Function, Restoration Techniques, and Implementation for Fish Habitat Improvement. [PDF - 12.8 MB]

Sean Bennett, Department of Fisheries & Oceans **See Section G**

**P** - Riparian Restoration in MPB Affected Areas: Some Hydrologic Considerations. [PDF - 3.8 MB]

John Rex, BC Ministry of Forests & Range

Soil Bioengineering for Riparian Restoration. [PDF - 14.9 MB]

Dave Polster, Polster Environmental Services Ltd. **See Section I**

Restoration of the Adnarko River Riparian Zone after the Lonesome Lake Fire. [PDF - 14.3 MB]

Vince Poulin, VA Poulin & Associates Ltd.

Bart Simmons, ERA Ecosystem Restoration Assoc. Inc. **See Section J**