

Panel 1: Management Practices to Maintain Desired Forest and Grassland Values in an Era of Fluctuating Environmental Conditions

This panel explores the climate and associated disturbances that affect the characteristics of the forest and grasslands that surround our communities.

*Key Note Speaker:* Francis Zwiers, Pacific Climate Impact Consortium, University of Victoria  
*Climate Uncertainty: Are We Facing an Increase in the Frequency and Severity of Extreme Events?*

*Stand and Landscape Management and Disturbance Effects on Water Quantity and Quality in a Fluctuating Environment*

Rita Winkler, Research Scientist, FLNRORD

*Insect Pest Management in the 21<sup>st</sup> Century Forest Environment – the Bigger Picture; How Climate Change Exposes Stands to Different Stresses*

Lorraine Maclauchlan, Research Scientist, FLNRORD

*The Ecology of Grassland and Forage Management in the Context of Uncertain Weather*

Lauchlan Fraser, Professor, Biological Sciences, Thompson Rivers University

Panel 2: Social and Economic Effects of Fire in Our Communities

In 2017, fires both close and far from communities affected the economic, social and ecological relationship between communities and the surrounding forests and grasslands. This panel addresses some of the issues highlighted by the fires of 2017 and how wildfires can affect the short-term and long-term condition of communities.

*Key Note Speaker:* Mike Flannigan, Renewable Resources, University of Alberta  
*Climate Change and Wildfire – How Will We Manage Fire in the Future*

*Provincial Summary of What Burned, How Much, and Where*

Atmo Prasad, Forest Analysis and Data Management, FLNRORD

*Effects on Communities: Industry Losses, Impacts on Human Health, Numbers of Evacuees and How Much was Spent on Evacuations, Etc.*

Mike Knauff, Director, Emergency Measures, Provincial Emergency Program

*Effects on the Livestock Industry*

Kevin Boone, Manager, BC Cattlemen Association

*Effects on Tourism*

James Rodger, Tourism - Adventure Studies Department, Thompson Rivers University

*Effects on the Forest Industry*

Jeff Mycock, Chief Forester, West Fraser Mills

Concurrent Discussion Sessions 1 – 7 (repeated once)

1. *Industry Perspective on Recovery in the 2017 Wildfire Areas*

Jeff Mycock, Chief Forester, West Fraser Mills

2. *The Process and Implementation of FRPA Section 108 to Rehabilitate Fire Damaged Stands, and the Process for Identifying and Rehabilitating Severely Burned Immature Stands*

Nigel Fletcher, Resource Practices Branch, FLNRORD, Nina Sigloch, FLNRORD

3. *Projected Changes in Fire Behaviour*

Mike Flannigan and Cordy Tymstra, Renewable Resources, University of Alberta

4. *Are We Facing an Increase in the Frequency and Severity of Extreme Events?*

Francis Zwiers, Pacific Climate Impact Consortium, University of Victoria

5. *Direct Seeding: What's Involved, What Makes it Successful, Costs, Pros, Cons, Etc*

Bill Chapman, retired, FLNRORD, Bill Layton, Silviculture Project Manager, Zanzibar Holdings  
Becky Bravi, Terraforma, Guy Burdiken, Project Forester, Celtic Engineering

6. *Operational Perspectives on Managing Regeneration on Droughty Sites*

Darius Bucher, Integral Forest Management

7. *The Science Behind Effective Fuel Management Treatments*

Kelly Osbourne, BC Wildfire Service, FLNRORD

Panel 3: Applying Stand and Landscape Management Practices to Achieve Multiple Values

There is a relatively well-developed science behind livestock management, silviculture, harvesting, prescribed fire, and other treatments to develop the forest and grassland conditions compatible with the objectives of landowners or social objectives on public lands. This panel explore some of the tools and practices that can lead to an increased likelihood of success, and examine how the application and integration of approaches and values across larger spatial scales is essential to treatment efficacy.

*Key Note Speaker:* Paul Hessburg, Research Landscape Ecologist, USDA-FS, Pacific NW Research Sta  
*Moving Towards the Design and Implementation of Coordinated Stand and Landscape Treatments to Manage Fire Behaviour*

*The Role of Visualization in Community Understanding of Landscape Issues Like Fire*

Stephen Sheppard, Professor, Collaborative for Advanced Landscape Planning, UBC

*Targeted Grazing, Complementing Stand Management with Targeted Livestock Grazing to Manage Forest Fuels and Wildfire Behaviour*

Mike Pellant, Rangeland Ecologist, Great Basin Restoration Initiative Coordinator, Bureau of Land Management, Washington State

*Forest Mgmt Practices for Dry Sites to Improve Seedling Survival in Droughty Conditions*

Bruce Larson, Professor, Forest Resources Management, University of British Columbia

*Predicting Human Caused Forest Fires; Remote Sensing; Vegetation Signatures as Fire Predictors*

Paul Pickell, Post-Doctoral Research Fellow, University of British Columbia

Food for Thought

*Climate Change, Managing Green House Gas Emissions and the Role of Forest Management in BC*  
Werner Kurz, Forest Ecologist, Pacific Forestry Center, Canadian Forest Service

*Proactive and Sustainable Silviculture to Achieve Multiple Objectives: Re-Establishing Fundamentals As We March Toward An Uncertain Future*

John Bailey, Professor, College of Forestry, Oregon State University

*Fuel Management Planning For Communities Case Study: Landscape Level Strategic Fuel Management in Complex Topography*

Tom Bradley, Forestry Supervisor, Slokan Integral Forestry Cooperative

*Report From Our Assistant Deputy Minister*

Gerry MacDougall, Acting Assistant Deputy Minister, Regional Operations Division South, FLNRORD

Concurrent Discussion Sessions 1 – 14 (repeated once)

8. *Using Silviculture to Achieve Multiple Objectives*

John Bailey, Professor, College of Forestry, Oregon State University

9. *Regenerating Dry IDF Sites – Soil Moisture and Seedling Performance in Relation to Harvest Treatment and Silviculture Options in the Dry Idfxh*

Alan Vyse, Research, FLNRORD (retired)

Brian Wallace and Walt Klenner, Research Section, TO Region, FLNRORD

10. *Reconciling Desired Conditions and Objectives with Forest and Range Management Treatments Across Multiple Stands*

Paul Hessburg, Research Landscape Ecologist, USDA-FS, Pacific Northwest Research Station

11. *Forest Management Practices for Dry Sites to Improve Seedling Survival in Droughty Conditions*  
Bruce Larson, Professor, Forest Resources Management, University of British Columbia

12. *Landscape Planning - Visual Demonstration*

Stephen Sheppard, Professor, Collaborative for Advanced Landscape Planning, UBC

13. *Opportunities for Forest Carbon Management in BC*

Werner Kurz, Forest Ecologist, Pacific Forestry Center, Canadian Forest Service

14. *Targeted Grazing, Complementing Stand Management with Targeted Livestock Grazing to Manage Forest Fuels and Wildfire Behaviour*

Mike Pellant, Rangeland Ecologist, Great Basin Restoration Initiative Coord, BLM Washington State

