



Poster Session

Poster Reception: Tuesday 1 December (1730-2100)**Atrium****Fire Behavior**

Physical Characteristics Affecting Ignitability of American Oaks	Casara C. Adkins
Vegetation Age Class Effects on Fire Severity and Vegetation Recovery after the Esperanza Fire	Jan L. Beyers
Fuelbed and Fire-temperature Heterogeneity in a <i>Quercus garryana</i> Woodland	Eamon Engber
Effects of Mechanically Generated Slash on Prescribed Fire Behavior and Subsequent Overstory Effects	Richy J. Harrod
The Effect of Decomposition on Coarse Woody Debris Combustion: A Preliminary Investigation	Joshua Hyde
A Mathematical Model of a Surface Fire Incorporating Spot Fire Ignition and Propagation	Holly Ann Perryman
Quantifying Fire Behavior Characteristics in Scrubby Flatwoods	Jose Lorenzo Silva-Lugo

Fire Effects

Annual Brome Biocontrol after Wildfire Using a Native Fungal Seed Pathogen	Phil S. Allen
A Warming Climate and Tundra Fires in Arctic Alaska	Jennifer Allen
Woody Fuel Loads and Tree Mortality in Cottonwood Riparian Zones after the East Amarillo Complex Wildfires	Renaldo Arroyo
Spatial Variation of Fuel Moisture Content within <i>Abies concolor</i> and <i>Pinus jeffreyi</i> Forest Floors in the Lake Tahoe Basin, California	Erin M. Banwell
Impact of Fire and Overstory Density on Forage in Naturally Regenerated Longleaf Pine (<i>Pinus palustris</i>) Stands	Rebecca J. Barlow
Changes in Nitrogen Availability, Soil Microclimate, and Chip Decomposition in Mulching Treatments in Colorado Coniferous Forests	Mike Battaglia
Seasonality of Attacks by Various Species of Woodborers After Fire in the Boreal Forest	Sébastien Bélanger
The Effects of Fire Management on Avian Species in Missouri Ozark Glade-Woodland Habitats	Brian P. Oswald
Salvage Logging Impacts on Beetles Associated with Burned Habitats in Boreal Forest	Jonathan Boucher
Effect of Prescribed Fire on Mercury Concentrations in Organic and Mineral Soil Horizons of Pine Forests on the Southern Piedmont and Coastal Plain	Callahan
Repeat Fire Occurrence in Central Utah Fuels Directly Affects Future Fire Severity	Linda Chappell
The Effects of Fire Exclusion on California Black Oak (<i>Quercus kelloggii</i>) Ecosystems and the Implications for Modeling Future Fire Effects.	Matthew I Cocking
Seed Bank Response by the Exotic Invasive Deep-rooted Sedge (<i>Cyperus entrieanus</i>) to Prescribed Fire in Texas Coastal Prairie	Brian P. Oswald

Management of Prescribed Fire and Wildfire Operations on Organic Soils	Gary M. Curcio
Study of Fire Effect on Soil Physical and Chemical Properties and Regeneration at Conifer stands of Guilan Province	Mehrdad Daryaei
Invasive Grass (<i>Microstegium vimineum</i>) Increases Fire Intensity in Eastern Forests	Luke Flory
Wildlife Response to Fire and Fire Surrogate Treatments, Effects of Fire Severity and Time Since Fire in US Dry Forests.	Joseph B. Fontaine
Joint Fire Science Program 2001-01B-3-1-01 Project: The Flomaton Natural Area (FNA): Demonstrating the Benefits of Fuel Management in an Old-Growth Longleaf Pine (<i>Pinus palustris</i>) Ecosystem: A Final Tribute	John C. Gilbert
Changes in Vegetation Structure and Composition after Fire in two Australian Mediterranean-climate Plant Communities	Carl R. Gosper
Overstory, Fuel Loading, and Soil Nitrogen Changes Following Mechanical Mastication or Thinning Pinyon-juniper Stands in Southwestern Colorado	Gerald J. Gottfried
Fire and Nutrients in Amazonian Agroecosystems	Damion Graves
Bark Beetles, Fuels and Fires: A Synthesis of our Present Understanding and Implications for Management	Elizabeth G. Hebertson
Development of Modeling Tools for Predicting Smoke Dispersion From Low Intensity Fires	Warren E. Heilman
Thinning and Prescribed Fire Effects on Dwarf Mistletoe Severity in an Eastern Cascade Range Dry Forest, Washington	Paul F. Hessburg
Thinning and Prescribed Fire Effects on Snag Abundance and Spatial Pattern in an Eastern Cascade Range Dry Forest, Washington, United States of America	Paul F. Hessburg
Mixed Conifer Regeneration Following Fires of Mixed Severities of the Last Six Years in Grand Canyon National Park, AZ, USA	Anna Higgins
Contribution of Landscape Level Bark Beetle Outbreaks to Fuel Loading and Fire Behavior in Piñon-juniper Woodlands of the Southwest	Chad M Hoffman
Numerical Simulation of Crown Fire Hazard Following Bark Beetle-Caused Mortality in Lodgepole Pine Forests.	Chad M Hoffman
Fire and Fish Dynamics in a Changing Climate: Broad- and Local-scale Effects of Fire-induced Water Temperature Changes on Native and Nonnative Fish Communities	Robert E. Keane
Vegetation and Coarse Woody Debris 30-years After Stand-replacing Fire in a Pinyon-juniper Woodland	David W. Huffman
Assessing the Compatibility of Fuel Treatments, Wildfire Risk, and Conservation of Northern Spotted Owl Habitats and Populations in the Eastern Cascades	Rebecca S.H. Kennedy
Post-fire Recovery of Big Sagebrush-dominated Mountain Shrublands in the Eastern Great Basin, Utah Highlands and Colorado Plateau, USA	Stanley G. Kitchen
Long-term Post-fire Changes in Stand-structure and Fuels Within Different Burn Severities Using the Forest Vegetation Simulator with the Fire and Fuels Extension in Grand Canyon National Park	Karen E. Koenig
The Fire Lab at Missoula Experiment (FLAME): Measurements of Trace Gases and Aerosols During the Open Combustion of Biomass in the Laboratory	Jeffrey L. Collett, Jr.
Fire Effects Monitoring of Rare Subtropical Butterflies and Their Host	Aerin D. Land

Plant in Everglades National Park

The Role of Fire in a Changing Ecosystem: Investigating the Interactions between Fire and Invasive plants in Everglades National Park	Colleen Holland
Restoration Effects on Soil Nutrient Dynamics in Fire-suppressed Longleaf Pine Sandhills at Eglin Air Force Base, Florida	Martin Lavoie
Immediate Effects of Fire on Birds: A Review of the Literature 1912-2003	Andreas Leidolf
Management of Fuel Loading in the Shrub-steppe: Responses Six Years After Treatments.	Steven O Link
Fire Survival Analysis of Longleaf Pine (<i>Pinus palustris</i>) Seedlings in a Harvested Forest	E. Louise Loudermilk
Evaluating Strength and Uniformity of Serotiny in a California Cypress	Chris Mallek
Fuel Treatment Effects on Wildfire Severity and Subsequent Invasion by Non-native Plants.	Erik J. Martinson
Post-fire Mortality and Regeneration of a Relictual High Elevation Conifer in the Klamath Mountains, California	Dean S. Matheson
Estimating Aboveground Biomass for Broadleaf Woody Plants and Young Conifers in Sierra Nevada forests	Thomas William McGinnis
Do Tree and Cone Age Affect Seed Viability in Sargent Cypress?	Kate L. Milich
Firebird: Collocating and Correlating Fire, Avian and Mammalian Long-term Ecological Monitoring in the Arctic of Alaska	Jennifer S. Mitchell
Impacts of Pre-fire Site Conditions, Burn Severity, and Post-fire Treatments on Plant Regeneration Following the 2005 School Fire	Marshell M. Moy
Prescribed Fire Effects on Water Quality and Vegetation Community Dynamics in <i>Cladium jamaicense</i> and <i>Typha latifolia</i> Stands of the Florida Everglades	Todd Z. Osborne
Fire Management on Sensitive Soils: When Resource Needs Compete	Andy Scott
Fire Effects on Small Mammal Community in Cedar Key Scrub State Reserve	Jose Lorenzo Silva-Lugo
Testing Control Sites for Fire Ecology Research	Jose Lorenzo Silva-Lugo
Minimal Effectiveness and Plant Community Effects of Seeding Following High-severity Fires in Arizona Ponderosa Pine Forests.	Carolyn Hull Sieg
Thinning and Prescribed Fire for Ecosystem Restoration in the Rocky Mountains of British Columbia: Changes in Chemical, Physical and Biological Properties of Forest Floors and Soil Over Time	H�shua Switzer
The Effects of Fire on bee Communities of Oak Savannah Habitat	Alana N. Taylor
A Review of Wildfire Smoke Effects on Flora	Brett Watson
Fire History	
The Integration of Tree-ring and Alluvial Fan Records of Fire History for a Mixed-Conifer Forest of Southwestern Colorado, USA.	Erica R. Bigio
Fire and Forest History Across Forest Gradients in Utah and Eastern Nevada	Peter M Brown
Spatially-explicit Fire History in Montane Grasslands and Woodlands of the Valles Caldera National Preserve, New Mexico	Jacqueline Dewar
Occurrence of Missing Rings After Fire Scars in <i>Larix occidentalis</i>	Josh Farella
Fire, Land Use, and Climate on Temperate Forest Landscapes of the Appalachian Mountains, USA: Changes over Time and Space	William T. Flatley
The Exploration of Alluvial Fan Stratigraphy for Fire History Research in Northwest Patagonia, Argentina	Erica R. Bigio

A Process-based Approach to Modeling the Response of Vegetation Communities and Fire Regimes to Climatic Change in Northern Arizona	Kathryn B. Ireland
Changes in Forest Structure of a Dry Mixed Conifer Forest, Southwestern Colorado United States of America	Julie E. Korb
Recurrent Fires and Gallery Forest-savanna History Inferred From a Paleocological Record of Gran Sabana, Venezuela	Bilbao Bibiana
Fire History and Forest Restoration on the Southern Cumberland Plateau	Leigh B. Lentile
Compiling, Synthesizing and Analyzing Existing Boreal Forest Fire History Data in Alaska	Diana L. Olson
Three Centuries of Fire and Forest History in an Old-growth Quercus Forest on the Cumberland Plateau	Neil Pederson
Fire Scar Confirmation of a Long-term Frequent Fire Regime in a Longleaf Pine-bluestem Ecosystem, Kisatchie Hills Wilderness, Louisiana	Michael C. Stambaugh

Human Dimensions

The Onslow Bight Stewardship Alliance: A Southeastern Partnership to Expand Prescribed Burning	Angie Carl
The Pacific Northwest Consortium for Fire Science Delivery	Jamie Barbour
Evaluating Fire Hazard Gains vs. Environmental Losses after Fuel Treatments in the Wildland-urban Interface	Christopher A. Dicus
InterfaceSouth and the University of Florida: A Science Delivery Partnership for the Southern USA	Annie Hermansen-Baez
Torchbearers for a New Fire Management Paradigm: Firefighters United for Safety, Ethics, and Ecology (FUSEE)	Timothy Ingalsbee
Community Wildfire Protection Plans: The Importance of Context	Pamela Jakes
Longitudinal Analysis of Public Response to Wildland Fire and Fuel Management	Sarah McCaffrey
“Solutions for Restoring Fire to Great Plains Grasslands”	John Ortmann
“Keeping the Earth in Harmony:” Interview with a Yurok Elder Regarding Traditional Burning Practices: A Case Study	Karin L. Riley
“The Worst Fire Season in Fifty Years”: A Narrative Analysis of Mass Media Perspectives on Wildfire	Karin L. Riley
Social Marketing and the Prescribed Fire Message	Rose Rodriguez and Marie Kokol
Writing Syntheses for Managers: Lessons from the Rainbow Series and Fire Effects Information System	Jane Kapler Smith
Protecting San Augustine County Communities from the Impacts of Wildfire in East Texas	Penny Whisenant
Changing Roles to Change the Nature of Future Natural Resource Professionals: Providing Tools to Students to Teach the Public about Fire	Brian Oswald
Wildland Fire Science Delivery and Outreach in Alaska	Jennifer Allen

Integrating Science & Management

Identifying Candidate Native Species for Revegetating Desert Wildfires	Scott R. Abella
Estimating Volume, Biomass, and Potential Emissions of Hand-Piled Fuels	Cameron S. Balog
Developing a Science Delivery Strategy for the Joint Fire Science Program	R. James Barbour
Surface Fuel Loadings in Mulching Treatments in Colorado Coniferous	Mike Battaglia

Forests	
Using Multiple Perspectives to Understand Changing Federal Wildland Fire Management	Anne Black
Engaging in Fire Learning Network Will Accelerate Restoration in the Southern Blue Ridge (Appalachian) Mountains	Beth Buchanan
Cumulative Impacts of Suppression Decisions	Brett H. Davis
Photo Series for Estimating Post-Hurricane Fuels in Forests of the Southeast United States	Jon E. Dvorak
Landscape Analysis of Fuel Treatment Longevity and Effectiveness in the 2006 Tripod Complex Fires	Travis J. Freed, Susan Pritchard, David L. Peterson
Using MTBS Data to Assist with Land Management Decisions.	Eric Gdula
Restoration-based Fuel Reduction Recommendations for Mixed-pine Forests of Upper Michigan	P. Charles Goebel
A Comprehensive Guide to Fuels Management Practices for Ponderosa Pine / Mixed Conifer Forests	Theresa Jane
Using Native Annual Plant Species to Suppress Weedy Invasive Species in Post-fire Habitats	Chris Herron
JFSP 00-2-19: Stand and Fuel Treatments for Restoring Old-growth Ponderosa Pine Forests in the Interior West	Theresa B. Jain
JFSP 00-2-20: Treatments that Enhance the Decomposition of Forest Fuels for Use in Partially Harvested Stands in the Moist Forests of the Northern Rocky Mountains (Priest River Experimental Forest)	Russell T. Graham
JFSP 04-2-1-116: Influence of Prescribed and Wildfire on Forest Structure and Fire Severity	Theresa B. Jain
Forest Restoration and Fire Hazard in a Municipal Watershed	Morris C. Johnson
The Prototype Emergency Smoke Response System	Pete Lahm
Monitoring Trends in Burn Severity: Geospatial Data Access and Online Data Reporting Summaries	Jennifer L. Lecker
Global Fire: MC1 DGVM Current and Potential Future Simulations	James Lenihan
Restoration of Fire-Adapted Southwestern Ponderosa Pine Forests: Expediting Treatments by Preserving Large Trees	Jay C. Lininger
Evaluation and Improvement of Smoke Plume Rise Modeling	Yongqiang Liu
Estimating Critical Climate-driven Thresholds in Landscape Dynamics Using Spatial Simulation Modeling: Climate Change Tipping Points in Fire Management	Rachel A. Loehman
Qualitative Characterization of Forest Fuels in Contrasting Ecosystems in Mexico	Diego R. Pérez-Salicrup
The Effects of Mulching Treatments on the Forest Herbaceous Layer of Colorado Coniferous Forests	Monique E. Rocca
Predicting Lightning Risk	Miriam Rorig
Using MODIS FRP Values to Estimate Forest Fire PM 2.5 Emissions	Alistair Smith
The Relationship Between Tree Mortality and Fuel Loads on Two 2000 Fires	Camille Stevens-Rumann
Seasonal Changes in Fuel Loading on Long-Term Annual Burn Plots in a Tennessee Oak Barrens	Becki Stratton
Mastication and Prescribed Fire Impacts on Fuels in a 25-year Old Ponderosa Pine Plantation, Southern Sierra Nevada	Nicole M. Vaillant
Landscape Level Issues	

A Fire and Climate Synthesis (FACS) for the United States: Past, Present, and Future	Peter M Brown
Impacts of Alternative Fuel Treatment Strategies on Landscape-level Wildland Fire Severity, Carbon Sequestration and Air Quality	Kevin Osborne
Influences of Climate and Topography on Fire Severity in the southwestern United States	Gregory K. Dillon (Zachary A. Holden – alternate)
Rapid Assessment of Vegetation Condition after Wildfire (RAVG)	Tony Guay
Calibration and Mapping of Historic and Future Fire Frequency in the Continental United States	Richard P. Guyette
Climatic Controls on Historical Wildfires in West Virginia (1939-2008)	Amy E. Hessler
Retaining Old Trees When Reintroducing Fire Into Long-unburned Forests That Historically Burned Frequently: A Synthesis	Sharon Hood
Restoring the Role of Fire in the Longleaf Pine Ecosystem of Upland Island Wilderness	Ira McWhorter
Fire on Fire: Examples From the Greater Bob Marshall-Glacier National Park Wilderness Complex, U.S.A.	Carl Seielstad
Predicted and Observed Climate-induced Fire in the Altai-Sayan Mountains, Central Asia, in the Past, Present and Future	Nadja Tchebakova
Role of Technology	
The Range Ignition Probability (RIP) Tool	Andrew M. Beavers
Ventilation of Animal Shelters in Wildland Fire Scenarios	Anthony Bova
Community Development and the Interagency Fuels Treatment Decision Support System (IFT-DSS).	Dr. Stacy Drury
Supplemental Sites for the Southwestern Ponderosa Pine Photo Series	Abie C. Carabajal
Assessing the Utility of LANDFIRE Data for Local and Landscape Analysis in Eastern North Carolina	Jennifer Costanza
A Fire Severity Mapping System (FSMS) for Real-time Fire Management Applications and Long Term Planning: Developing a Map of the Landscape Potential for Severe Fire in the Western United States	Gregory K. Dillon (Zachary A. Holden – alternate)
The Wildland Fire Emissions Information System: Providing information for scientists and managers with open source GIS tools	Nancy HF French
GIS Tools, Courses, and Learning Pathways offered by The National Interagency Fuels, Fire, and Vegetation Technology Transfer (NIFTT)	Heather Heward
Using In Situ Observations by Wildland Fire Fighters to Assess Detection by MODIS Satellite Imagery	Heather Heward
Delayed Tree Mortality Following Fire in Western Conifers	Sharon Hood
OptFuels: Optimizing Placement of Fire and Non-fire Fuel Treatments over Time at Landscape Scales	Greg Jones and Woodam Chung
Using A Physics-Based Model to Characterize Spotting Potential	Rodman Linn
Fire Management Decisions: The more we change the more we stay the same	Amanda McAdams
Monitoring Trends in Burn Severity: Mosaic of the 2007 Southern California Fires	Kari Pabst
Monitoring Trends in Burn Severity: Overview and Current Mapping Status	Kari Pabst
Factors Controlling Burn Probability in Three Western U.S. Fire-prone Landscapes	Sean A. Parks
Burn Monitoring Using Satellite Imagery in the Apalachicola National	Josh Picotte

Forest

The Interagency Fuels Treatment Decision Support System (IFT-DSS) Project	H. Michael Rauscher
The Effect of Prescribed Fire and Other Management Practices on <i>Ailanthus altissima</i> Populations in Ohio Mixed Oak Forests – A Research Update	Joanne Rebbeck
Effects of Initial and Repeated Wildfire in the Southern Appalachian Mountains	Matthew Reilly
Operations and Maintenance in the LANDFIRE Program.	Matthew G. Rollins
Creation of a Fuels Database Facilitated with Historical Fire Progression Data for Shenandoah National Park	Justin M. Shedd
Playing with Fire: Using Computer Simulations to Create a Burn Severity Classification	Pamela G. Sikkink
Application of Geospatial Fire Modeling in Fire Management Decision Making on Lands Used for Military Training in Alaska.	Thomas B. St. Clair