

### **Short-term impacts of fire-mediated habitat alterations on an isolated bighorn sheep population**

[www.nrfirescience.org/resource/14889](http://www.nrfirescience.org/resource/14889)

Habitat alterations may improve and expand wildlife habitats, and bolster waning wildlife populations. We used global positioning system (GPS) locations to monitor 38 bighorn sheep (*Ovis canadensis* Shaw) that were translocated to the Seminoe Mountains, Wyoming, USA, in 2009 and 2010, and 24 bighorns captured in 2011 to investigate...

Author(s): Justin G. Clapp, Jeffrey L. Beck

Year Published: 2016

Type: Document

Book or Chapter or Journal Article

### **Conservation and restoration of sagebrush ecosystems and sage-grouse: an assessment of USDA Forest Service Science**

[www.nrfirescience.org/resource/14004](http://www.nrfirescience.org/resource/14004)

Sagebrush ecosystems are among the largest and most threatened ecosystems in North America. Greater sage-grouse has served as the bellwether for species conservation in these ecosystems and has been considered for listing under the Endangered Species Act eight times. In September 2015, the decision was made not to list greater sage-...

Author(s): Deborah M. Finch, Douglas A. Boyce, Jeanne C. Chambers, Chris J. Colt, R. Kasten Dumroese, Stanley G. Kitchen, Clinton McCarthy, Susan E. Meyer, Bryce A. Richardson, Mary M. Rowland, Mark A. Rumble, Michael K. Schwartz, Monica S. Tomosy, Michael J. Wisdom

Year Published: 2016

Type: Document

Synthesis, Technical Report or White Paper

### **Ecohydrologic impacts of rangeland fire on runoff and erosion: a literature synthesis**

[www.nrfirescience.org/resource/14674](http://www.nrfirescience.org/resource/14674)

Fire can dramatically influence rangeland hydrology and erosion by altering ecohydrologic relationships. This synthesis presents an ecohydrologic perspective on the effects of fire on rangeland runoff and erosion through a review of scientific literature spanning many decades. The objectives are: (1) to introduce rangeland hydrology...

Author(s): Frederick B. Pierson, Christopher Jason Williams

Year Published: 2016

Type: Document

Synthesis, Technical Report or White Paper

### **Influence of wildland fire along a successional gradient in sagebrush steppe and western juniper woodlands**

[www.nrfirescience.org/resource/12149](http://www.nrfirescience.org/resource/12149)

Western juniper (*Juniperus occidentalis* Hook. var. *occidentalis*) has been expanding into sagebrush (*Artemisia* L. spp.) steppe over the past 130 years in Idaho, Oregon, and California. Fuel characteristics and expected fire behavior and effects change as sagebrush steppe transitions into juniper woodlands. Little is currently known...

Author(s): Eva K. Strand, Stephen C. Bunting, Robert F. Keefe

Year Published: 2013

Type: Document

Book or Chapter or Journal Article

### **Managing high-elevation sagebrush steppe: do conifer encroachment and prescribed fire affect habitat for pygmy rabbits?**

[www.nrfirescience.org/resource/11999](http://www.nrfirescience.org/resource/11999)

Both fire and conifer encroachment can markedly alter big sagebrush communities and thus habitat quality and quantity for wildlife. We investigated how conifer encroachment and spring prescribed burning affected forage and cover resources for a sagebrush specialist, the pygmy rabbit. We studied these dynamics at spring prescribed...

Author(s): Bonnie A. Woods, Janet L. Rachlow, Stephen C. Bunting, Timothy R. Johnson, Kelly Bocking

Year Published: 2013

Type: Document

Book or Chapter or Journal Article

### **Landscape composition in aspen woodlands under various modeled fire regimes**

[www.nrfirescience.org/resource/12114](http://www.nrfirescience.org/resource/12114)

Quaking aspen (*Populus tremuloides*) is declining across the western United States. Aspen habitats are diverse plant communities in this region and loss of these habitats can cause shifts in biodiversity, productivity, and hydrology across spatial scales. Western aspen occurs on the majority of sites seral to conifer species, and...

Author(s): Eva K. Strand, Stephen C. Bunting, Lee A. Vierling

Year Published: 2012

Type: Document

Conference Proceedings

### **Toxicodendron radicans, Toxicodendron rydbergii (eastern poison-ivy, western poison-ivy)**

[www.nrfirescience.org/resource/10525](http://www.nrfirescience.org/resource/10525)

This FEIS species review synthesizes information on the relationship of *Toxicodendron radicans*, *Toxicodendron rydbergii* (eastern poison-ivy, western poison-ivy) to fire--how fire affects the species and its habitat, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on...

Author(s): Robin J. Innes

Year Published: 2012

Type: Document

Synthesis

### **Measurements of convective and radiative heating in wildland fires**

[www.nrfirescience.org/resource/8374](http://www.nrfirescience.org/resource/8374)

Time-resolved irradiance and convective heating and cooling of fast-response thermopile sensors were measured in 13 natural and prescribed wildland fires under a variety of fuel and ambient conditions. It was shown that a sensor exposed to the fire environment was subject to rapid fluctuations of convective transfer whereas...

Author(s): David Frankman, Brent W. Webb, Bret W. Butler, Daniel M. Jimenez, Jason M. Forthofer, Paul Sopko, Kyle S. Shannon, J. Kevin Hiers, Roger D. Ottmar

Year Published: 2012

Type: Document

Book or Chapter or Journal Article

### **Experimental measurements during combustion of moist individual foliage samples**

[www.nrfirescience.org/resource/11434](http://www.nrfirescience.org/resource/11434)

Individual samples of high moisture fuels from the western and southern United States and humidified aspen excelsior were burned over a flat-flame burner at  $987^\circ \pm 12^\circ\text{C}$  and  $10 \pm 0.5 \text{ mol}\% \text{ O}_2$ . Time-dependent mass and temperature profiles of these samples were obtained and analysed. It was observed that significant amounts of...

Author(s): Brent M. Pickett, Carl Isackson, Rebecca Wunder, Thomas H. Fletcher, Bret W. Butler, David R. Weise

Year Published: 2010  
Type: Document  
Book or Chapter or Journal Article

### **The Sagebrush Steppe Treatment Evaluation Project (SageSTEP): a test of state-and-transition theory**

[www.nrfirescience.org/resource/11226](http://www.nrfirescience.org/resource/11226)

The Sagebrush Steppe Treatment Evaluation Project (SageSTEP) is a comprehensive, integrated, long-term study that evaluates the ecological effects of fire and fire surrogate treatments designed to reduce fuel and to restore sagebrush (*Artemisia* spp.) communities of the Great Basin and surrounding areas. SageSTEP has several features...

Author(s): James D. Mclver, Mark W. Brunson, Stephen C. Bunting, Jeanne C. Chambers, Nora Devoe, Paul S. Doescher, James B. Grace, Dale Johnson, Steve Knick, Richard F. Miller, Michael L. Pellant, Frederick B. Pierson, David A. Pyke, Kimberly Rollins, Bruce A. Roundy, Eugene Schupp, Robin J. Tausch, David Turner

Year Published: 2010

Type: Document

Technical Report or White Paper

### **Schedonorus pratensis (meadow fescue)**

[www.nrfirescience.org/resource/10472](http://www.nrfirescience.org/resource/10472)

This FEIS species review synthesizes information on the relationship of *Schedonorus pratensis* (meadow fescue) to fire--how fire affects the species and its habitat, invasiveness of the species, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy...

Author(s): Katharine R. Stone

Year Published: 2010

Type: Document

Synthesis

### **Melilotus alba, Melilotus officinalis (white sweetclover, yellow sweetclover)**

[www.nrfirescience.org/resource/10456](http://www.nrfirescience.org/resource/10456)

This FEIS species review synthesizes information on the relationship of *Melilotus alba*, *Melilotus officinalis* (white sweetclover, yellow sweetclover) to fire--how fire affects the species and its habitat, invasiveness of the species, effects of the species on fuels and fire regimes, and fire management considerations. Information is...

Author(s): Corey L. Gucker

Year Published: 2010

Type: Document

Synthesis

### **Influence of wildfire severity on riparian plant community heterogeneity in an Idaho, USA wilderness**

[www.nrfirescience.org/resource/11445](http://www.nrfirescience.org/resource/11445)

Despite the increasing recognition of riparian zones as important ecotones that link terrestrial and aquatic ecosystems and of fire as a critical natural disturbance, much remains unknown regarding the influence of fire on stream-riparian ecosystems. To further this understanding, we evaluated the effects of mixed severity wildfire...

Author(s): Breeanne K. Jackson, S. Mazeika P. Sullivan

Year Published: 2009

Type: Document

Book or Chapter or Journal Article

### **Equations to convert compacted crown ratio to uncompact crown ratio for trees in the Interior West**

[www.nrfirescience.org/resource/8368](http://www.nrfirescience.org/resource/8368)

Crown ratio is the proportion of total tree length supporting live foliage. Inventory programs of the US Forest Service generally define crown ratio in terms of compacted or uncompact measurements. Measurement of compacted crown ratio (CCR) involves envisioning the transfer of lower branches of trees with asymmetric crowns to fill...

Author(s): Chris Toney, Matthew C. Reeves

Year Published: 2009

Type: Document

Book or Chapter or Journal Article

### **Isatis tinctoria (dyer's woad)**

[www.nrfirescience.org/resource/10498](http://www.nrfirescience.org/resource/10498)

This FEIS species review synthesizes information on the relationship of *Isatis tinctoria* (dyer's woad) to fire--how fire affects the species and its habitat, invasiveness of the species, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy,...

Author(s): Kristin L. Zouhar

Year Published: 2009

Type: Document

Synthesis

### **Symphoricarpos occidentalis (western snowberry)**

[www.nrfirescience.org/resource/10698](http://www.nrfirescience.org/resource/10698)

This FEIS species review synthesizes information on the relationship of *Symphoricarpos occidentalis* (western snowberry) to fire--how fire affects the species and its habitat, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy, distribution,...

Author(s): Alan S. Hauser

Year Published: 2007

Type: Document

Synthesis

### **Rosa woodsii (Wood's rose)**

[www.nrfirescience.org/resource/10700](http://www.nrfirescience.org/resource/10700)

This FEIS species review synthesizes information on the relationship of *Rosa woodsii* (Wood's rose) to fire--how fire affects the species and its habitat, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and...

Author(s): Alan S. Hauser

Year Published: 2006

Type: Document

Synthesis

### **Cercocarpus montanus (true mountain-mahogany)**

[www.nrfirescience.org/resource/10673](http://www.nrfirescience.org/resource/10673)

This FEIS species review synthesizes information on the relationship of *Cercocarpus montanus* (true

mountain-mahogany) to fire--how fire affects the species and its habitat, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic...

Author(s): Corey L. Gucker

Year Published: 2006

Type: Document

Synthesis

### **Prunus pumila (sand cherry)**

[www.nrfirescience.org/resource/10868](http://www.nrfirescience.org/resource/10868)

This FEIS species review synthesizes information on the relationship of *Prunus pumila* (sand cherry) to fire--how fire affects the species and its habitat, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and...

Author(s): Jane E. Taylor

Year Published: 2006

Type: Document

Synthesis

### **Combustion properties of *Bromus tectorum* L.: influence of ecotype and growth under four CO<sub>2</sub> concentrations**

[www.nrfirescience.org/resource/11409](http://www.nrfirescience.org/resource/11409)

We grew from seed the exotic invasive annual grass *Bromus tectorum* L., collected from three elevation ecotypes in northern Nevada, USA. Plants were exposed to four CO<sub>2</sub> atmosphere concentrations: 270, 320, 370, and 420  $\mu\text{mol mol}^{-1}$ . After harvest on day 87, above-ground tissue was milled, conditioned to 30% relative humidity, and...

Author(s): Robert R. Blank, Robert H. White, Lewis H. Ziska

Year Published: 2006

Type: Document

Book or Chapter or Journal Article

### ***Cercocarpus ledifolius* (curlleaf mountain-mahogany)**

[www.nrfirescience.org/resource/10678](http://www.nrfirescience.org/resource/10678)

This FEIS species review synthesizes information on the relationship of *Cercocarpus ledifolius* (curlleaf mountain-mahogany) to fire--how fire affects the species and its habitat, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy, distribution,...

Author(s): Corey L. Gucker

Year Published: 2006

Type: Document

Synthesis

### ***Acer grandidentatum* (bigtooth maple)**

[www.nrfirescience.org/resource/10895](http://www.nrfirescience.org/resource/10895)

This FEIS species review synthesizes information on the relationship of *Acer grandidentatum* (bigtooth maple) to fire--how fire affects the species and its habitat, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology,...

Author(s): Jennifer E. Tollefson

Year Published: 2006

Type: Document

## Synthesis

### **Effects of prescribed fire on the invasion of northern mixed-grass prairie by non-native plant species - Final Report to the Joint Fire Science Program**

[www.nrfirescience.org/resource/11162](http://www.nrfirescience.org/resource/11162)

We seek to measure the effects of fire and grazing on weeds of the northern mixed grass prairie. To accomplish this we are interpreting measurements from two management experiments, one at Lostwood National Wildlife Refuge (NWR) and one at Des Lacs NWR. At Lostwood we found a nearly balanced 2x7 treatment experiment with seven...

Author(s): Jennifer S. Hartz-Rubin, Tad Weaver, Cory S. Rubin, Jack Plaggemeyer

Year Published: 2005

Type: Document

Technical Report or White Paper

### **Elaeagnus angustifolia (Russian-olive)**

[www.nrfirescience.org/resource/10486](http://www.nrfirescience.org/resource/10486)

This FEIS species review synthesizes information on the relationship of *Elaeagnus angustifolia* (Russian-olive) to fire--how fire affects the species and its habitat, invasiveness of the species, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy...

Author(s): Kristin L. Zouhar

Year Published: 2005

Type: Document

Synthesis

### **Forbs for seeding range and wildlife habitats**

[www.nrfirescience.org/resource/11120](http://www.nrfirescience.org/resource/11120)

Description not entered

Author(s): Richard Stevens, Stephen B. Monsen

Year Published: 2004

Type: Document

Technical Report or White Paper

### **Basic considerations for range and wildlife revegetation and restoration**

[www.nrfirescience.org/resource/11118](http://www.nrfirescience.org/resource/11118)

Plummer and others (1968) proposed 10 principles to follow when planning and implementing rangeland revegetation programs. These principles - or basic considerations for rangeland managers - are applicable to most sites in the Western United States (Jordan 1981; Merkel and Herbal 1973), and many projects in the Intermountain area...

Author(s): Richard Stevens

Year Published: 2004

Type: Document

Technical Report or White Paper

### **Prunus pensylvanica (pin cherry)**

[www.nrfirescience.org/resource/10607](http://www.nrfirescience.org/resource/10607)

This FEIS species review synthesizes information on the relationship of *Prunus pensylvanica* (pin cherry) to fire--how fire affects the species and its habitat, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and...

Author(s): Michelle B. Anderson  
Year Published: 2004  
Type: Document  
Synthesis

**Cardaria chalapensis, Cardaria draba, Cardaria pubescens (lens-podded hoary cress, heart-podded hoary cress, globe-podded hoary cress)**

[www.nrfirescience.org/resource/10490](http://www.nrfirescience.org/resource/10490)

This FEIS species review synthesizes information on the relationship of Cardaria chalapensis, Cardaria draba, Cardaria pubescens (lens-podded hoary cress, heart-podded hoary cress, globe-podded hoary cress) to fire--how fire affects the species and its habitat, invasiveness of the species, effects of the species on fuels and fire...

Author(s): Kristin L. Zouhar  
Year Published: 2004  
Type: Document  
Synthesis

**Guidelines for restoration and rehabilitation of principal plant communities**

[www.nrfirescience.org/resource/11121](http://www.nrfirescience.org/resource/11121)

Range and wildland improvement projects conducted throughout the Intermountain region normally occur within specific plant communities. Each plant community has unique features that require different equipment, planting techniques, and plant materials to conduct improvement projects. Plant communities or associations discussed in...

Author(s): Richard Stevens, Stephen B. Monsen  
Year Published: 2004  
Type: Document  
Technical Report or White Paper

**Incorporating wildlife habitat needs into restoration and rehabilitation projects**

[www.nrfirescience.org/resource/11119](http://www.nrfirescience.org/resource/11119)

Description not entered

Author(s): Richard Stevens  
Year Published: 2004  
Type: Document  
Technical Report or White Paper

**Rhus trilobata (skunkbush sumac)**

[www.nrfirescience.org/resource/10596](http://www.nrfirescience.org/resource/10596)

This FEIS species review synthesizes information on the relationship of Rhus trilobata (skunkbush sumac) to fire--how fire affects the species and its habitat, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and...

Author(s): Michelle B. Anderson  
Year Published: 2004  
Type: Document  
Synthesis

**Mapping the cheatgrass-caused departure from historical natural fire regimes in the Great Basin, USA**

[www.nrfirescience.org/resource/11490](http://www.nrfirescience.org/resource/11490)

Cheatgrass (*Bromus tectorum*) is an exotic grass that has increased fire hazard on millions of square kilometers of semi-arid rangelands in the western United States. Cheatgrass aggressively out competes native vegetation after fire and significantly enhances fire size and frequency. To evaluate the effect of cheatgrass on historical...

Author(s): James P. Menakis, Dianne Osborne, Melanie Miller

Year Published: 2003

Type: Document

Conference Proceedings

### **Juniperus scopulorum (Rocky Mountain juniper)**

[www.nrfirescience.org/resource/10827](http://www.nrfirescience.org/resource/10827)

This FEIS species review synthesizes information on the relationship of *Juniperus scopulorum* (Rocky Mountain juniper) to fire--how fire affects the species and its habitat, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic...

Author(s): Janette S. Scher

Year Published: 2002

Type: Document

Synthesis

### **Carduus nutans (musk thistle)**

[www.nrfirescience.org/resource/10494](http://www.nrfirescience.org/resource/10494)

This FEIS species review synthesizes information on the relationship of *Carduus nutans* (musk thistle) to fire--how fire affects the species and its habitat, invasiveness of the species, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy,...

Author(s): Kristin L. Zouhar

Year Published: 2002

Type: Document

Synthesis

### **Cirsium vulgare (bull thistle)**

[www.nrfirescience.org/resource/10492](http://www.nrfirescience.org/resource/10492)

This FEIS species review synthesizes information on the relationship of *Cirsium vulgare* (bull thistle) to fire--how fire affects the species and its habitat, invasiveness of the species, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy,...

Author(s): Kristin L. Zouhar

Year Published: 2002

Type: Document

Synthesis

### **Ceanothus velutinus (snowbrush ceanothus)**

[www.nrfirescience.org/resource/10593](http://www.nrfirescience.org/resource/10593)

This FEIS species review synthesizes information on the relationship of *Ceanothus velutinus* (snowbrush ceanothus) to fire--how fire affects the species and its habitat, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic...

Author(s): Michelle B. Anderson

Year Published: 2001

Type: Document

## Synthesis

### **Centaurea maculosa (spotted knapweed)**

[www.nrfirescience.org/resource/10493](http://www.nrfirescience.org/resource/10493)

This FEIS species review synthesizes information on the relationship of *Centaurea maculosa* (spotted knapweed) to fire--how fire affects the species and its habitat, invasiveness of the species, effects of the species on fuels and fire regimes, and fire management considerations. Information is also provided on the species' taxonomy...

Author(s): Kristin L. Zouhar

Year Published: 2001

Type: Document

Synthesis

### **Bromus madritensis, Bromus rubens (foxtail chess, red brome)**

[www.nrfirescience.org/resource/10469](http://www.nrfirescience.org/resource/10469)

This FEIS species review synthesizes information on the relationship of *Bromus madritensis*, *Bromus rubens* (foxtail chess, red brome) to fire--how fire affects the species and its habitat, invasiveness of the species, effects of the species on fuels and fire regimes, and fire management considerations.

Information is also provided on...

Author(s): Kevin A. Simonin

Year Published: 2001

Type: Document

Synthesis

### **Prunus virginiana (chokecherry)**

[www.nrfirescience.org/resource/10503](http://www.nrfirescience.org/resource/10503)

This FEIS species review synthesizes information on the relationship of *Prunus virginiana* (chokecherry) to fire--how fire affects the species and its habitat, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general management. This species review can be used...

Author(s): Kathleen A. Johnson

Year Published: 2000

Type: Document

Synthesis

### **Fire in western shrubland, woodland, and grassland ecosystems**

[www.nrfirescience.org/resource/11116](http://www.nrfirescience.org/resource/11116)

This state-of-knowledge review about the effects of fire on flora and fuels can assist land managers with ecosystem and fire management planning and in their efforts to inform others about the ecological role of fire. Chapter topics include fire regime classification, autecological effects of fire, fire regime characteristics and...

Author(s): Timothy E. Paysen, R. James Ansley, James K. Brown, Gerald J. Gottfried, Sally M. Haase, Michael G. Harrington, Marcia G. Narog, Stephen S. Sackett, Ruth C. Wilson

Year Published: 2000

Type: Document

Synthesis, Technical Report or White Paper

### **Purshia tridentata (antelope bitterbrush)**

[www.nrfirescience.org/resource/10584](http://www.nrfirescience.org/resource/10584)

This FEIS species review synthesizes information on the relationship of *Purshia tridentata* (antelope

bitterbrush) to fire--how fire affects the species and its habitat, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general management. This species review...

Author(s): Elena Zlatnik

Year Published: 1999

Type: Document

Synthesis

### **Amelanchier utahensis (Utah serviceberry)**

[www.nrfirescience.org/resource/10588](http://www.nrfirescience.org/resource/10588)

This FEIS species review synthesizes information on the relationship of Amelanchier utahensis (Utah serviceberry) to fire--how fire affects the species and its habitat, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general management. This species review...

Author(s): Elena Zlatnik

Year Published: 1999

Type: Document

Synthesis

### **Symphoricarpos oreophilus (mountain snowberry)**

[www.nrfirescience.org/resource/10590](http://www.nrfirescience.org/resource/10590)

This FEIS species review synthesizes information on the relationship of Symphoricarpos oreophilus (mountain snowberry) to fire--how fire affects the species and its habitat, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general management. This species...

Author(s): Keith Aleksoff

Year Published: 1999

Type: Document

Synthesis

### **Amelanchier alnifolia (Saskatoon serviceberry)**

[www.nrfirescience.org/resource/10730](http://www.nrfirescience.org/resource/10730)

This FEIS species review synthesizes information on the relationship of Amelanchier alnifolia (Saskatoon serviceberry) to fire--how fire affects the species and its habitat, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general management. This species...

Author(s): Janet L. Howard

Year Published: 1997

Type: Document

Synthesis

### **Ribes velutinum (desert gooseberry)**

[www.nrfirescience.org/resource/10750](http://www.nrfirescience.org/resource/10750)

This FEIS species review synthesizes information on the relationship of Ribes velutinum (desert gooseberry) to fire--how fire affects the species and its habitat, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general management. This species review can be...

Author(s): Anna Marshall

Year Published: 1995

Type: Document

Synthesis

### **Schedonorus arundinaceus (tall fescue)**

[www.nrfirescience.org/resource/10479](http://www.nrfirescience.org/resource/10479)

This FEIS species review synthesizes information on the relationship of *Schedonorus arundinaceus* (tall fescue) to fire--how fire affects the species and its habitat, invasiveness of the species, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general...

Author(s): Roberta A. Walsh

Year Published: 1995

Type: Document

Synthesis

### **The evaluation of Idaho wildfire growth using the Haines Index**

[www.nrfirescience.org/resource/8307](http://www.nrfirescience.org/resource/8307)

An atmospheric index specifically designed to be related to the growth of wildland fires is evaluated for two recent Idaho fires. The index includes terms related to high midlevel lapse rates and low-level dry air. In the cases examined, the index performs well at pinpointing the time of the most explosive fire growth. Long-term...

Author(s): Paul A. Werth, Richard Ochoa

Year Published: 1993

Type: Document

Book or Chapter or Journal Article

### **Crataegus douglasii (Douglas hawthorn)**

[www.nrfirescience.org/resource/10690](http://www.nrfirescience.org/resource/10690)

This FEIS species review synthesizes information on the relationship of *Crataegus douglasii* (Douglas hawthorn) to fire--how fire affects the species and its habitat, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general management. This species review can...

Author(s): James R. Habeck

Year Published: 1991

Type: Document

Synthesis

### **Rubus laciniatus (evergreen blackberry)**

[www.nrfirescience.org/resource/10478](http://www.nrfirescience.org/resource/10478)

This FEIS species review synthesizes information on the relationship of *Rubus laciniatus* (evergreen blackberry) to fire--how fire affects the species and its habitat, invasiveness of the species, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general...

Author(s): D. A. Tirmenstein

Year Published: 1989

Type: Document

Synthesis

### **Effects of fire in the northern Great Plains**

[www.nrfirescience.org/resource/11184](http://www.nrfirescience.org/resource/11184)

Fire has been used inconsistently to manage native and tame grasslands in the Northern Great Plains (NGP) of the north-central U.S. and south-central Canada, particularly the grasslands found in prairies, plains, agricultural land retirement programs, and moist soil sites. This has happened for three primary

reasons: (1) the...

Author(s): Kenneth F. Higgins, Arnold D. Kruse, James L. Piehl

Year Published: 1989

Type: Document

Synthesis, Technical Report or White Paper

### **Sambucus nigra subsp. cerulea (blue elderberry)**

[www.nrfirescience.org/resource/10628](http://www.nrfirescience.org/resource/10628)

This FEIS species review synthesizes information on the relationship of *Sambucus nigra* subsp. *cerulea* (blue elderberry) to fire--how fire affects the species and its habitat, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general management. This species...

Author(s): Marilyn F. Crane

Year Published: 1989

Type: Document

Synthesis

### **Rubus discolor (Himalayan blackberry)**

[www.nrfirescience.org/resource/10477](http://www.nrfirescience.org/resource/10477)

This FEIS species review synthesizes information on the relationship of *Rubus discolor* (Himalayan blackberry) to fire--how fire affects the species and its habitat, invasiveness of the species, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general...

Author(s): D. A. Tirmenstein

Year Published: 1989

Type: Document

Synthesis

### **Acer negundo (boxelder)**

[www.nrfirescience.org/resource/10823](http://www.nrfirescience.org/resource/10823)

This FEIS species review synthesizes information on the relationship of *Acer negundo* (boxelder) to fire--how fire affects the species and its habitat, and fire management considerations. Information is also provided on the species' taxonomy, distribution, basic biology, and general management. This species review can be used for...

Author(s): Lynn Rosario

Year Published: 1988

Type: Document

Synthesis

### **Prescribed fire opportunities in grasslands invaded by Douglas-fir: state-of-the-art guidelines**

[www.nrfirescience.org/resource/11259](http://www.nrfirescience.org/resource/11259)

Provides information on use of prescribed fire to enhance productivity of bunchgrass ranges that have been invaded by Douglas-fir. Six vegetative "situations" representative of treatment opportunities most commonly encountered in Montana are discussed. Included are fire prescription considerations and identification of the resource...

Author(s): George E. Gruell, James K. Brown, Charles L. Bushey

Year Published: 1986

Type: Document

Technical Report or White Paper

### **Influence of fire on curlleaf mountain-mahogany in the Intermountain West**

[www.nrfirescience.org/resource/11059](http://www.nrfirescience.org/resource/11059)

Comprehensive sampling of curlleaf mountain-mahogany (*Cercocarpus ledifolius*) on 41 sites in five States allowed an assessment of postfire population dynamics, differences in regeneration patterns, and critical events in stand regeneration. Historical accounts of fire, fire history studies, and early photographs provided historical...

Author(s): George E. Gruell, Stephen C. Bunting, Leon F. Neuenschwander

Year Published: 1985

Type: Document

Conference Proceedings, Technical Report or White Paper

### **Bighorn sheep and fire: seven case histories**

[www.nrfirescience.org/resource/11057](http://www.nrfirescience.org/resource/11057)

Responses of seven bighorn sheep populations and habitats to prescribed fire and wildfire in southern British Columbia, Idaho, and Glacier National Park ranged from no influence to increase; interacting factors such as lungworm infection, livestock grazing, and reduction in forage overrode potential benefits of subsequent increases...

Author(s): James M. Peek, Raymond A. Demarchi, Dennis A. Demarchi

Year Published: 1985

Type: Document

Conference Proceedings, Technical Report or White Paper

### **Fire ecology of antelope bitterbrush in the Northern Rocky Mountains**

[www.nrfirescience.org/resource/11058](http://www.nrfirescience.org/resource/11058)

Frequency of resprouting and number of newly established seedlings of antelope bitterbrush were sampled on sites burned by prescribed burns and wildfires 3 to 10 years previously to determine the effect of habitat type, growth form, and season of the burn on bitterbrush. Significant differences in resprouting response occurred among...

Author(s): Stephen C. Bunting, Leon F. Neuenschwander, George E. Gruell

Year Published: 1985

Type: Document

Conference Proceedings, Technical Report or White Paper

### **Fire and vegetative trends in the Northern Rockies: interpretations from 1871-1982 photographs**

[www.nrfirescience.org/resource/11260](http://www.nrfirescience.org/resource/11260)

Interprets changes in forest and range vegetation resulting from the absence of fire. Eighty-six matched photographs covering the period 1871-1982 provide the basis for describing how vegetation has changed in various plant communities. These scenes show that woody vegetation has increased markedly as a result of reduced wildfire....

Author(s): George E. Gruell

Year Published: 1983

Type: Document

Technical Report or White Paper

### **Fire ecology and prescribed burning in the Great Plains: a research review**

[www.nrfirescience.org/resource/11912](http://www.nrfirescience.org/resource/11912)

Historical evidence indicates that fires were prevalent in grasslands. In the past, big prairie fires usually occurred during drought years that followed 1 to 3 years of above-average precipitation, which provided abundant and continuous fuel. Fire frequency probably varied from 5 to 10 years in level-to-rolling topography and from...

Author(s): Henry A. Wright, Arthur W. Bailey

Year Published: 1980

Type: Document

Technical Report or White Paper