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

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
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
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
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
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° ± 12°C and 10 ± 0.5 mol% O2. 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
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. McIver, 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
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
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
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 uncompacted crown ratio for trees in the Interior West
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 uncompacted 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
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
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
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
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
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 CO2 concentrations
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 CO2 atmosphere concentrations: 270, 320, 370, and 420 umol 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
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
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
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
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
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
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
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
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
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
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
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

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Historical evidence indicates that fires were prevalent in grasslands. In the past, big prairie fires usually occurred during drought years that followed l to 3 years of above-average precipitation, which provided abundant and continuous fuel. Fire frequency probably varied from 5 to l0 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