

## **ARCBURN: Linking field-based and experimental methods to quantify, predict, and manage fire effects on cultural resources - Final Report to the Joint Fire Science Program**

[www.nrfirescience.org/resource/17041](http://www.nrfirescience.org/resource/17041)

Cultural resources are physical features, both natural and anthropogenic, associated with human activity. These unique and non-renewable resources include sites, structures, and objects possessing significance in history, architecture, archaeology, or human development (Fowler 1982). Wildfires can alter cultural resources through...

Author(s): Rachel A. Loehman, Bret W. Butler, Jamie Civitello, Connie Constan, Jennifer Dyer, Zander Evans, Megan Friggens, Rebekah Kneifel, James J. Reardon, Madeline Scheintaub, Anastasia Steffen  
Year Published: 2016

Type: Document

Technical Report or White Paper

## **Vegetation clearance distances to prevent wildland fire caused damage to telecommunication and power transmission infrastructure**

[www.nrfirescience.org/resource/16921](http://www.nrfirescience.org/resource/16921)

Towers and poles supporting power transmission and telecommunication lines have collapsed due to heating from wildland fires. Such occurrences have led to interruptions in power or communication in large municipal areas with associated social and political implications as well as increased immediate danger to humans. Unfortunately,...

Author(s): Bret W. Butler, James B. Webb, J. Hogge, Tim Wallace

Year Published: 2015

Type: Document

Conference Proceedings

## **Wildland fire in ecosystems: effects of fire on cultural resources and archaeology**

[www.nrfirescience.org/resource/141](http://www.nrfirescience.org/resource/141)

This state-of-knowledge review provides a synthesis of the effects of fire on cultural resources, which can be used by fire managers, cultural resource (CR) specialists, and archaeologists to more effectively manage wildland vegetation, fuels, and fire. The goal of the volume is twofold: (1) to provide cultural resource/...

Year Published: 2012

Type: Document

Synthesis

## **Chapter 9: Implications of fire management on cultural resources**

[www.nrfirescience.org/resource/12571](http://www.nrfirescience.org/resource/12571)

Previous chapters in this synthesis have identified the important fuel, weather, and fire relationships associated with damage to cultural resources (CR). They have also identified the types of effects commonly encountered in various fire situations and provided some guidance on how to recognize damages and minimize their occurrence...

Author(s): Rebecca Timmons, Leonard F. DeBano, Kevin C. Ryan

Year Published: 2012

Type: Document

Synthesis, Technical Report or White Paper

## **Chapter 2: Fire behavior and effects: principles for archaeologists**

[www.nrfirescience.org/resource/12590](http://www.nrfirescience.org/resource/12590)

Fire is a natural component of earth's ecosystems. Fire has impacted most landscapes of the Americas, having left evidence of its passing in trees, soils, fossils, and cultural artifacts (Andreae 1991; Benton and Reardon 2006; Biswell 1989; Bowman and others 2009; Boyd and others 2005; Cochrane and

others 1999; DeBano and others...  
Author(s): Kevin C. Ryan, Cassandra L. Koerner  
Year Published: 2012  
Type: Document  
Synthesis, Technical Report or White Paper

### **Mapping tradeoffs in values at risk at the interface between wilderness and non-wilderness lands**

[www.nrfirescience.org/resource/11063](http://www.nrfirescience.org/resource/11063)

On the Flathead Indian Reservation in Montana, U.S., the Mission Mountains Tribal Wilderness is bordered by a buffer zone. To successfully improve forest health within that buffer zone and restore fire in the wilderness, the managing agency and the public need to work together to find solutions to increasingly threatening fuel...

Author(s): Alan E. Watson, Roian Matt, Tim Waters, Kari Gunderson, Stephen J. Carver, Brett Davis  
Year Published: 2009  
Type: Document  
Conference Proceedings

### **Culturally peeled trees handbook**

[www.nrfirescience.org/resource/12391](http://www.nrfirescience.org/resource/12391)

This guide was developed to help identify Culturally Peeled Trees. Culturally Peeled Trees are a specific type of Culturally Modified Tree. The term is used to describe the mostly pre-reservation practice by aboriginal or native people of 'peeling,' or removing, the bark/cambium layer of a tree for a variety of procurement and...

Author(s): Marcy Reiser, Laurie S. Huckaby  
Type: Document  
Technical Report or White Paper