

**Fire Effects and Cultural Resource Management
UNIT LESSON PLAN**

RX-310, INTRODUCTION TO FIRE EFFECTS

INSTRUCTOR: Michael Canice Owens
LESSON: Fire Effects and Cultural Resource Management
UNIT: Unit #

OBJECTIVES:

Upon completion of this lesson, participants will be able to:

- **Define Cultural Resources and their relation with fire.**
Understand the effects of fire and fire management activities on cultural and paleontological resources
- **Identify and Evaluate First Order Fire effects on Cultural Resources.**
Identify key attributes needed to evaluate the first order fire effects on cultural/paleontological resources
- **Describe resource objectives and tools.**
Understand appropriate management practices for mitigating first order fire effects on cultural/paleontological resources
- **Explain why we care**
Understand the concept of non-renewable resources and the regulatory framework that governs fire management activities concerning cultural/paleontological resources

NARRATIVE:

I. Cultural Resources

- A. Any evidence of past human behavior, that either physically or spiritually which links us to past cultures. Traditional and Historic cultures can exist on the same landscape together and often do based on the availability of natural resources.
- B. Productive and meaningful environments are often exploited by humans throughout time on the same landscape
- C. Types of Cultural Resources Covered
 - Archeological Resources
 - Structures
 - Cultural Landscapes
 - Museum Objects

D. Determination of Probability of areas producing artifacts

- Determinations are largely based on the Federal and State Historic Preservation Office (SHPO) guidelines and standards for Archaeological testing and a large body of archaeological and environmental research and surveys performed over the years providing criteria of determination of high probability areas. These are often called predictive models. There is also a criteria for determining low probability areas

II. Identify and Evaluate key attributes needed to assess the first order fire effects on cultural/paleontological resources

III. Explore resource objectives and tools and discuss appropriate management practices for mitigating first order fire effects on cultural/paleontological resources

IV. Explain why we care. Describe the regulatory framework that governs fire management activities concerning cultural/paleontological resources