

UNIT OVERVIEW

Course Introduction to Fire Effects, RX-310
Instructor Mike Pruss
Unit 3 – Fire Effects and Resource Management
Lesson F – Fauna
Time 2 Hours

Objectives

1. Describe the relationships of fire regimes, fauna, and faunal habitat.
2. Discuss appropriate management practices for modifying first order fire effects on fauna and their habitats.
3. Identify key attributes of fauna and faunal communities to evaluate the first order fire effects on fauna and their habitats.

Recommended Lesson Topics:

- Definition of fauna
- Indirect and direct effects of fire on fauna
- T & E species
- Legal and regulatory framework
- Edge effect
- Succession
- Fragmentation
- Seasonal concerns (vulnerability, response, etc.)
- Habitat requirements (snags, hiding cover, escape habitat, food source, Large Woody Debris (LWD))
- Population dynamics (carrying capacity)
- Mechanical treatments

Strategy

This lesson will lay the foundation for understanding the relationships between fire regimes, fauna, and faunal habitat. The underlying context of the discussion will focus on adaptive fire management and the interconnectivity of the course units. *By the end of the lesson, the student will be able to demonstrate how one might manage for desired first order effects given a realistic scenario.*

Instructional Method(s)

Visual aid led narrative and interactive discussion.

Instructional Aids

Rainbow series, Powerpoint presentation, gray squirrel prop.

Exercise(s)

Breakout exercise with workgroup interaction and report outs.

Evaluation Method(s)

Evaluation of work group participation, classroom participation and field exercise interaction and final project involvement and presentation.