

Influences of Firing Technique and Scale in Prescribed
Fire Management -
Public Lands vs. Private Lands

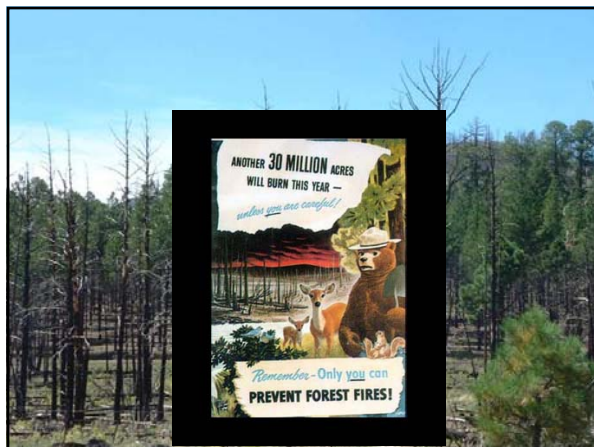


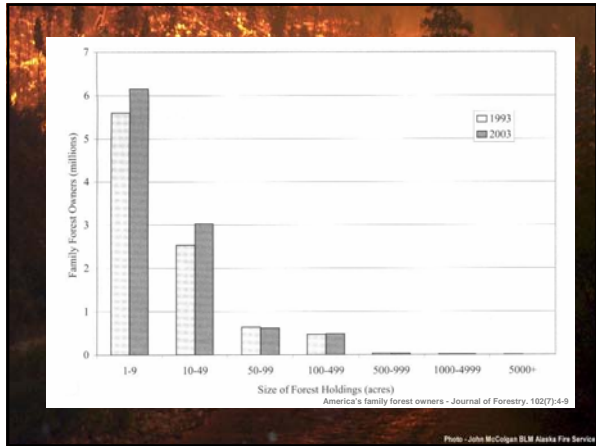
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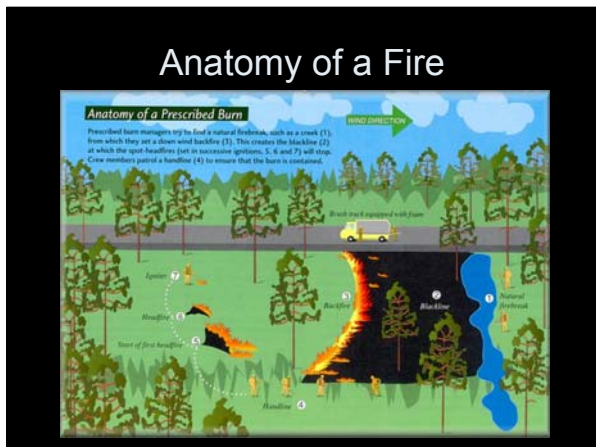
Outline

- Fire management
- Firing techniques
- Spatial scale
- Vegetation responses









Firing Techniques

Ignition

- Ground

- Hand line
- Vehicle

- Aerial

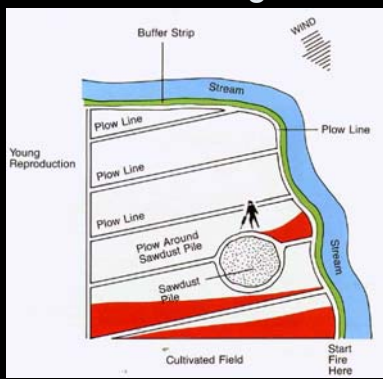
- Delayed Aerial Ign
- Helitorch



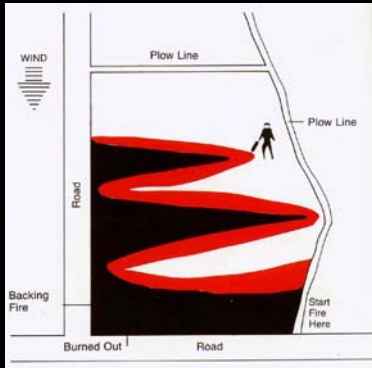
Firing Techniques

- Backing
- Strip-heading
- Flanking
- Point source / grid
- Center and ring / circular

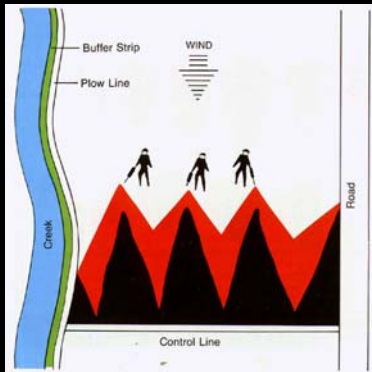
Backing



Strip-heading



Flanking



Point Source / Grid



Center and Ring / Circular



Spatial Scale

- **Public lands**
 - Large scale management units
 - Ample resources
 - Various firing technique options
 - Long-term objectives
- **NIPF lands**
 - Small scale management units
 - Limited resources
 - Limited firing technique options
 - Short-term objectives



Vegetation Responses

- **Firing Technique**
 - Intensity
 - Species composition
 - Continuity of burn
- **Scale**
 - Feasibility
 - Edge effect
 - Species arrangement

Management Implications

- Small scale units \neq large scale units
- Future research areas:
 - Pyric systems
 - Small scale
- Paradigm shift needed in fire management