Tools in the Toolbox Part 2

Prescribed Fire and other Methodologies

Fire is a natural part of many ecosystems

Before and after Prescribed Fire

Georgia

Cape Canaveral National Seashore

Lacreek NWR, South Dakota

Natural processes

Disturbance process
Fire return interval
Enhances productivity
Many endemics adapted
Reduces weedy species, invasives
Reduces wildfire opportunity

- * Can we mimic prescribed fire effects?

Mechanical

Brush hog

Feller buncher

Firewood processor

Drum chopper

Other

Livestock (e.g., goats)

Herbicides

Adding plants

Greenhouses

Pollinator plants

Soil & Water Conservation Districts

(No-Till Drill)

Eco-Goats

Illinois

Partnering!

National Wildlife Refuges
NGOs (e.g., The Nature Conservancy)
Native American (e.g., Chloeta Fire, Karuk Tribe)

Independent contractors (e.g., Grayback Forestry)

Prison crews (e.g., SWIFT)

Stinger jet, riparian vegetation

Pea Gravel Shooter restoration spawning habitat

Wetland equipment

Low-pressure , spray invasives