

4 FOREST RESTORATION INITIATIVE

Restoring Landscapes and Perceptions



4FRI Project Update
Southwestern Region
Spring 2013

Photo credit: Dan Greenspan

Because...



Fires that once burned like this...



...and produced effects like these



...and produced effects like these



Now burn like this...

Photo credit: Dan Greenspan



...and produced effects like these



...and produce effects like these

Photo credit: Dan Greenspan



Because ecosystems that once looked like this...

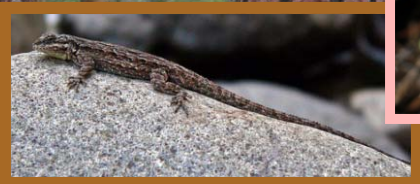
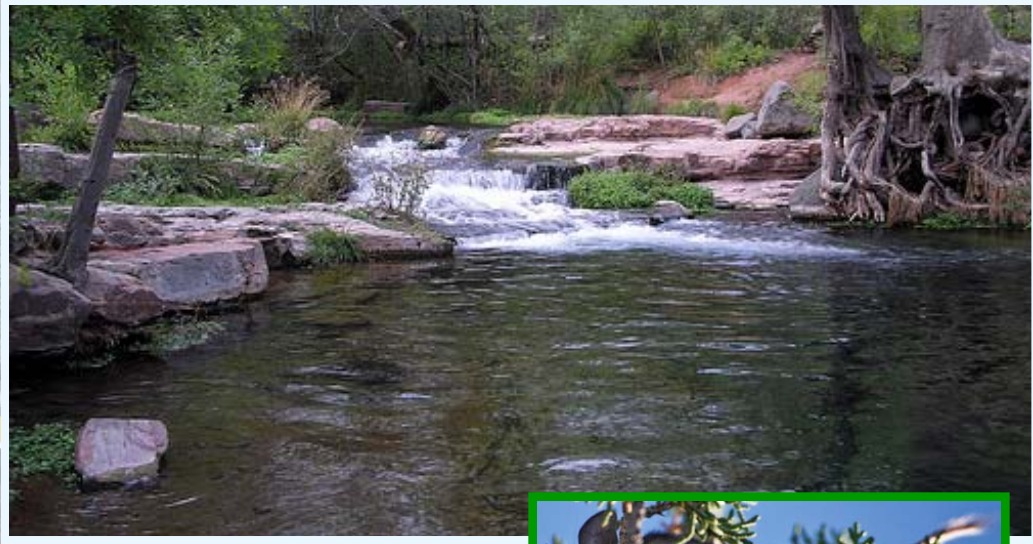


Because ecosystems that once looked like this...



Now look like this

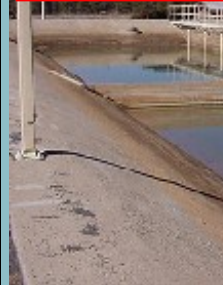




What could we lose?



FLG | Copyright by Mark Decker | 200



What are we doing about it?

*Four Forest
Restoration Initiative*
(4FRI)



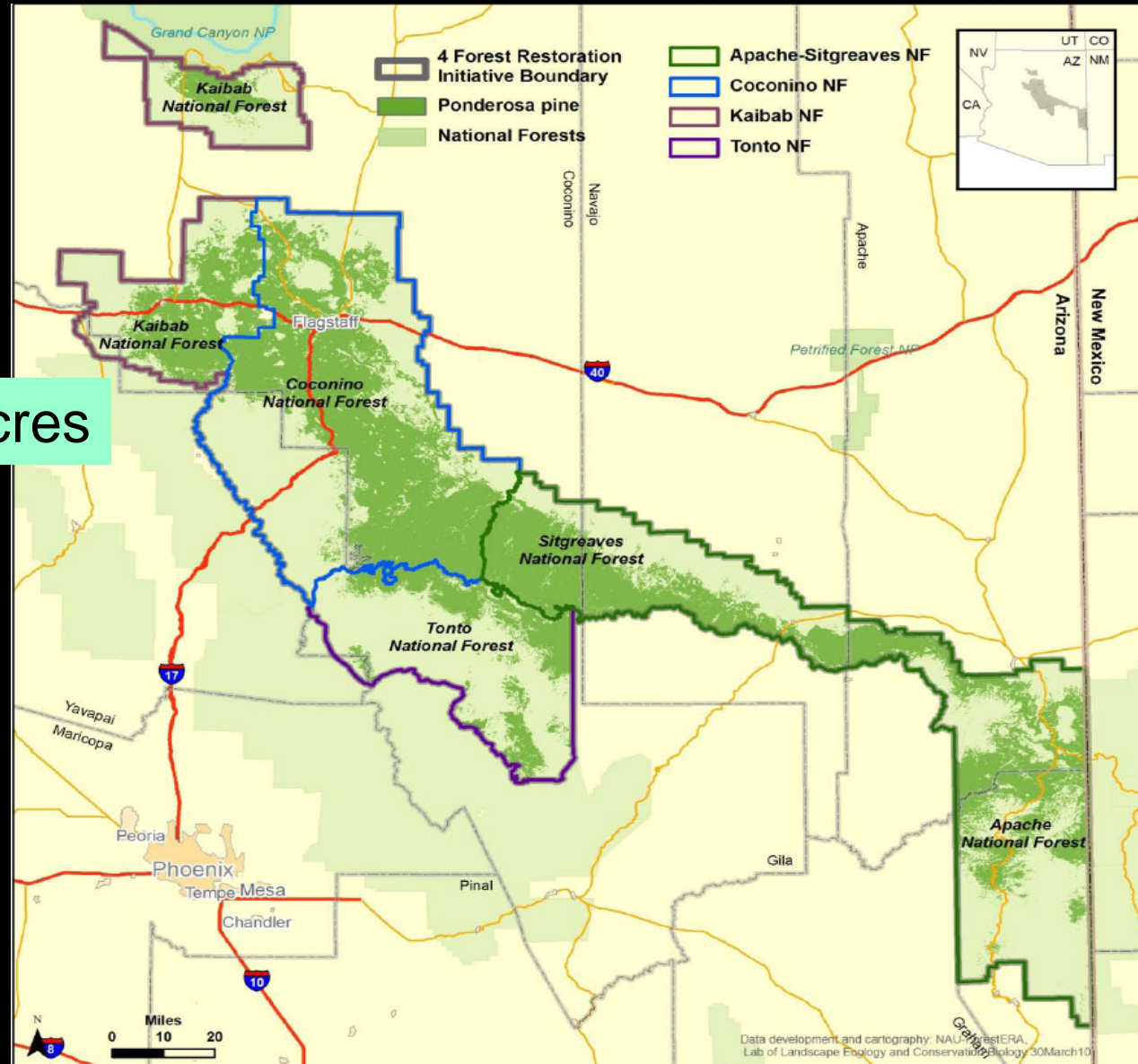
4FRI Objective

To restore ecological resilience and function across 2.4 million acres of northern Arizona's ponderosa pine forest and to attract appropriately sized industry to the region



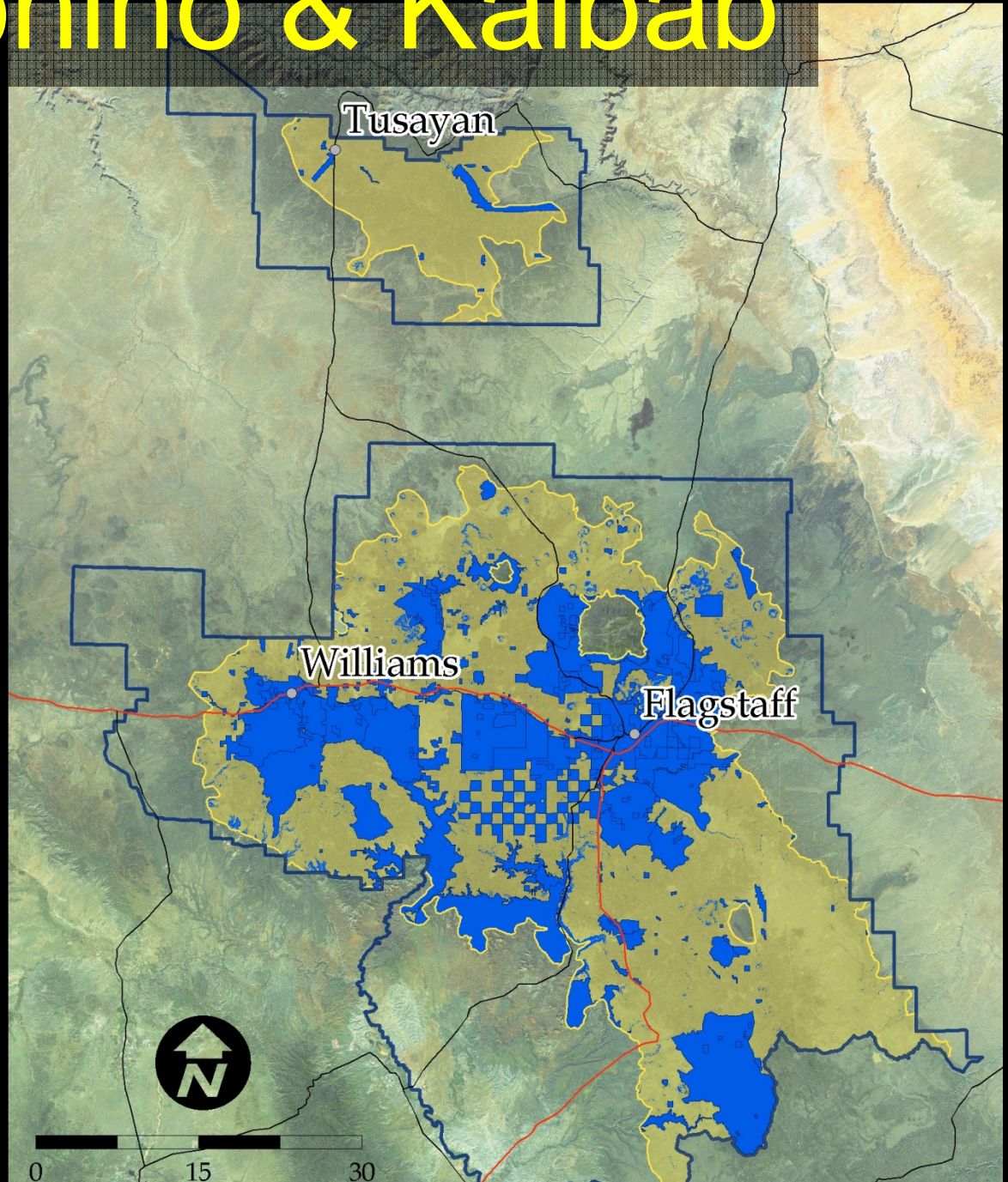
4FRI Analysis Area

2.4 Million Acres



4FRI Coconino & Kaibab

~998,000 Acres
Built on 5th Code
Watersheds



Ecological Restoration

Restoration focuses on establishing the composition, structure, pattern and ecological process necessary to make terrestrial and aquatic ecosystems sustainable, resilient and healthy under current and future conditions. FSM 2020.5



Components of 4FRI Restoration

- Restoration of structure and pattern in ponderosa pine habitats
- Restoration of aspen, meadow & spring habitats through the removal of conifers
- Obliteration of select roadbeds
- Restore ephemeral channels
- Attract sustainable forest industry to help offset the costs of restoration and create jobs

Spring & Channel Restoration



Restoration Pattern

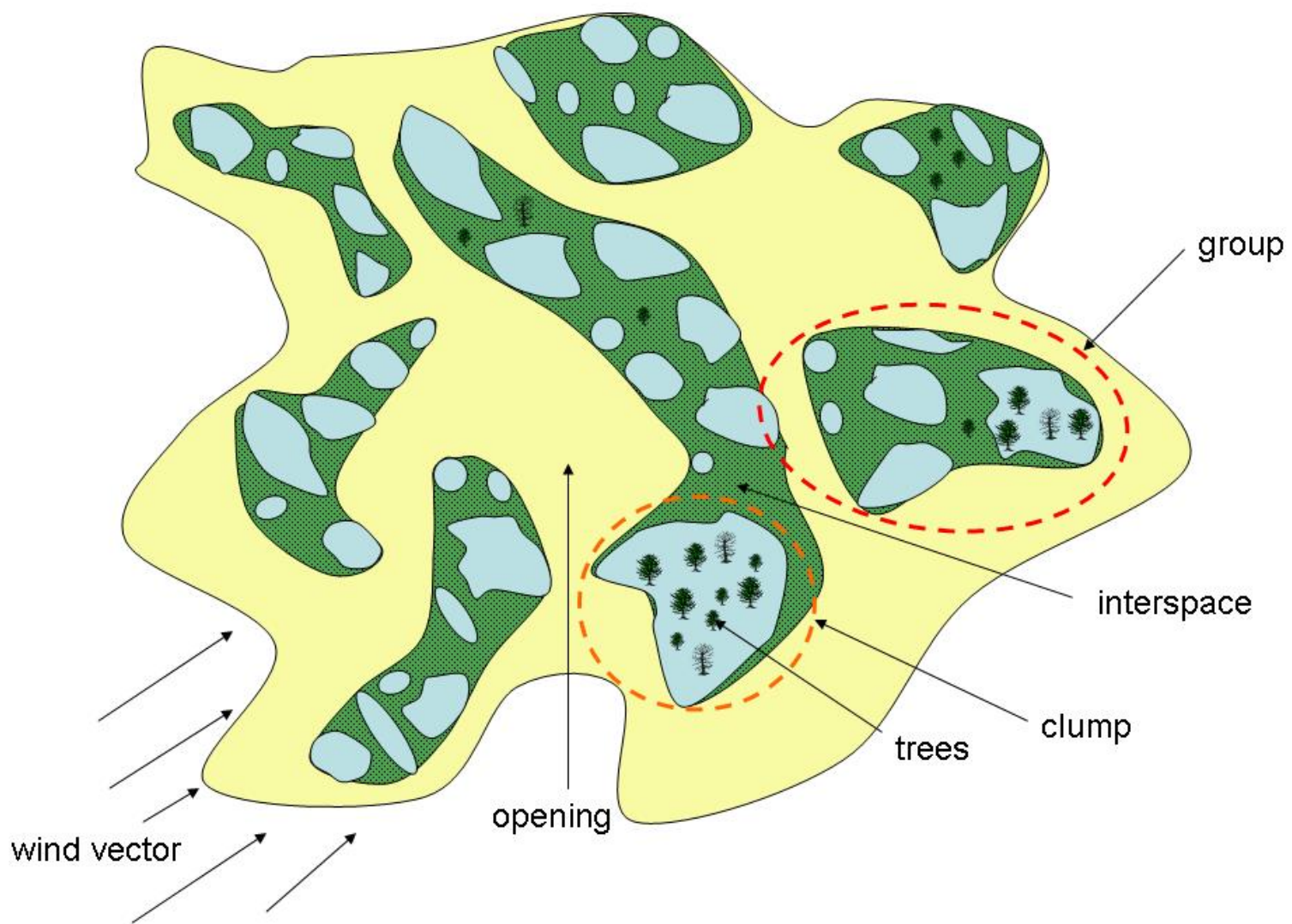
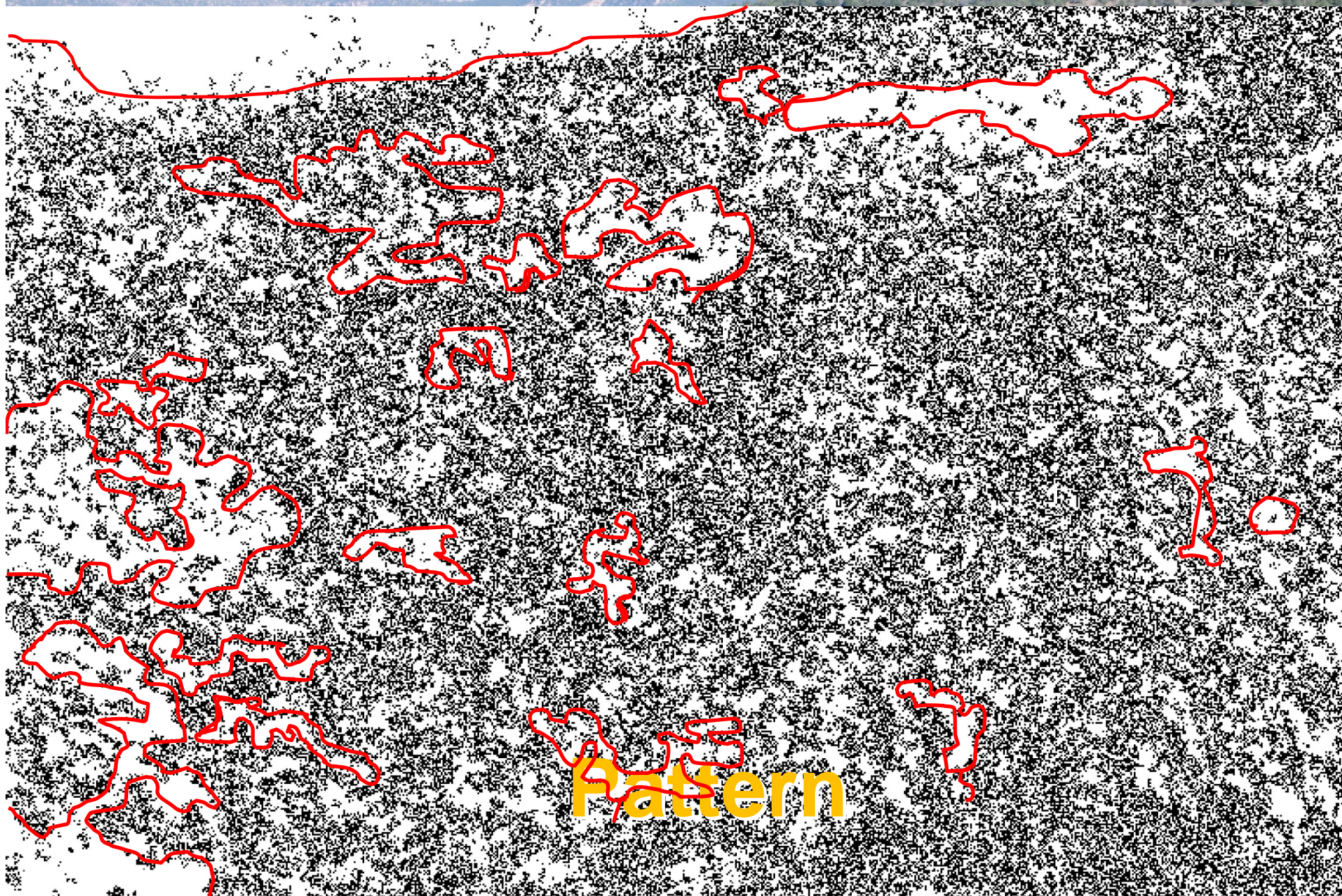


Diagram courtesy of Arizona Game and Fish Department

Restoration Structure



Restoration



Restoration

Composition

Ecological
Processes



Goals

- Total area for mechanical restoration treatments: ~1 million acres over ~20 years
- Provide for the re-establishment of natural fire patterns and effects across the landscape
- Treat ~30,000 additional acres/year, through contracts at no additional cost to the government
- Within the first analysis area we propose:
 - Restoration treatments on ~400K acres
 - ~ 600k acres of prescribed burning
 - Restore approximately 1,000 miles of roadbeds
 - Restore approximately 47 miles of ephemeral channels

Economics

- Tourism and Visitor Spending – Coconino & Kaibab NFs
 - Supports approximately 3,000 jobs
 - \$110 million in labor income annually
- A workforce analysis conducted for the project estimates:
 - 762 direct full and part time jobs
 - 912 indirect jobs
- Pioneer proposes to build a mill in Winslow AZ



What Does This Mean To You

- Major change in how the forest looks
- The public will be displaced during thinning
- There will be dust and traffic
 - Approximately 100,000 logging trucks per year, almost 400 trucks/day
- Smoke will be similar to what we have now but burns may be larger and will eventually produce less smoke
- Roads will be physically closed

Thank you for your attention!

Questions??

Schultz Fire Photos from Dan Greenspan <http://spleen-me.com/blog/>

