

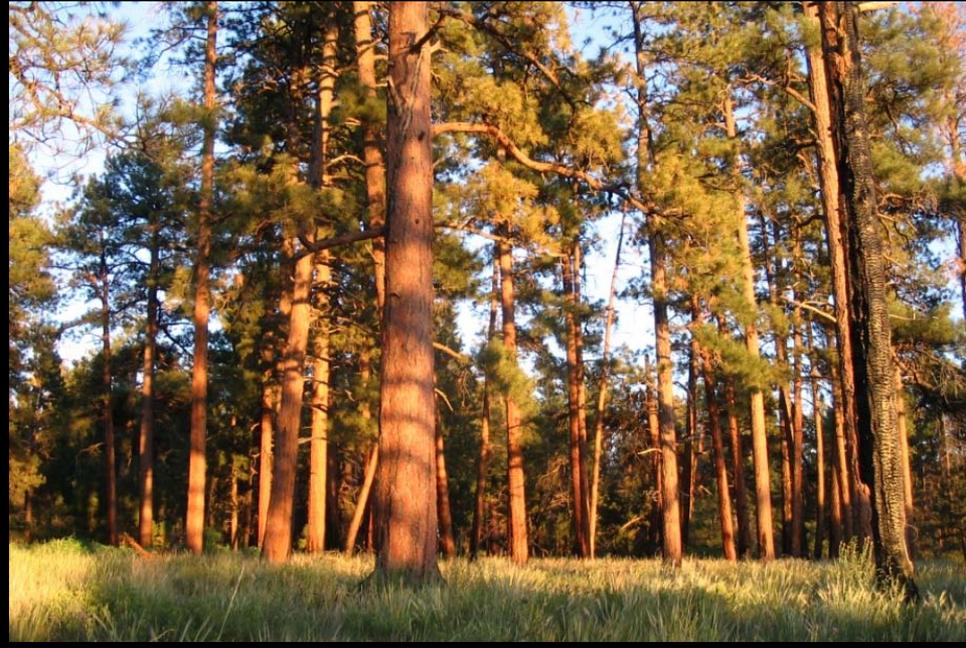
Because...



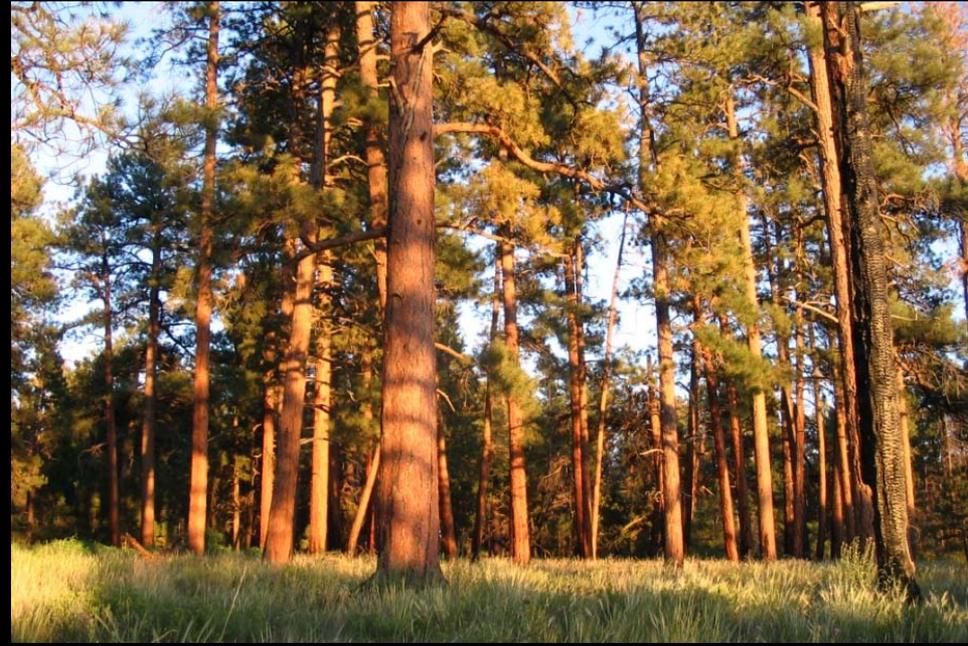
Fires that once burned like this...



...and produced effects like this



...and produced effects like this

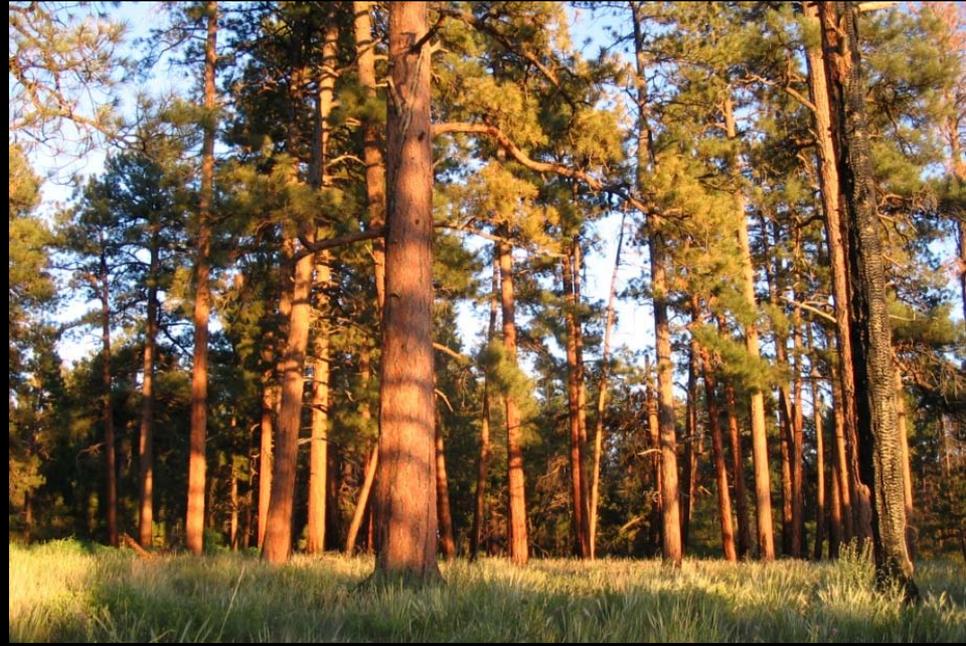


Now burn like this...



Photo credit: Dan Greenspan

...and produced effects like this



...and produce effects like this



Because ecosystems that once looked like this...

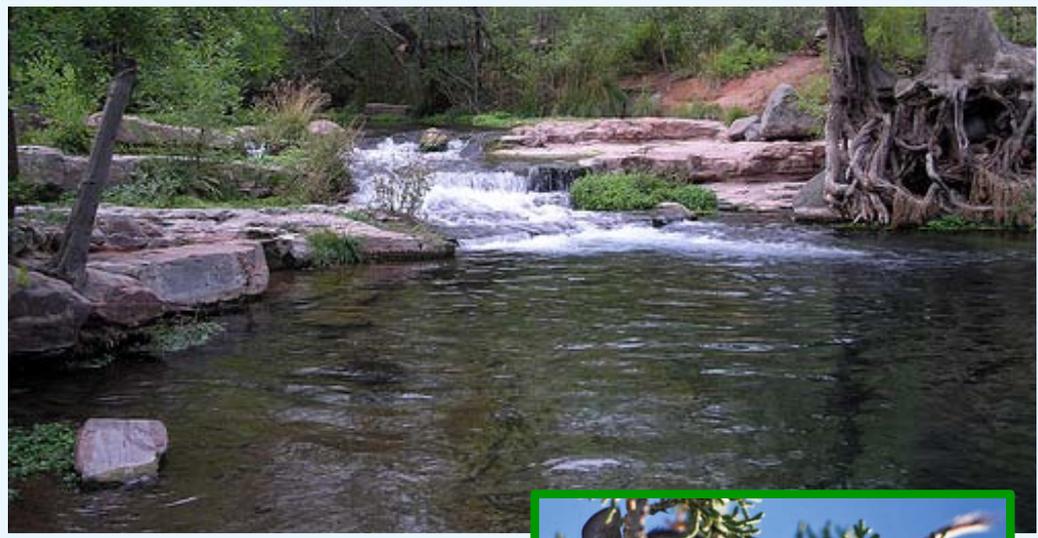


Because ecosystems that once looked like this...



Now look like this





What could we lose?



FLG | Copyright by Mark Decker | 2003-07-11 | Air



What are we doing about it?

Four Forest Restoration Initiative (4FRI)

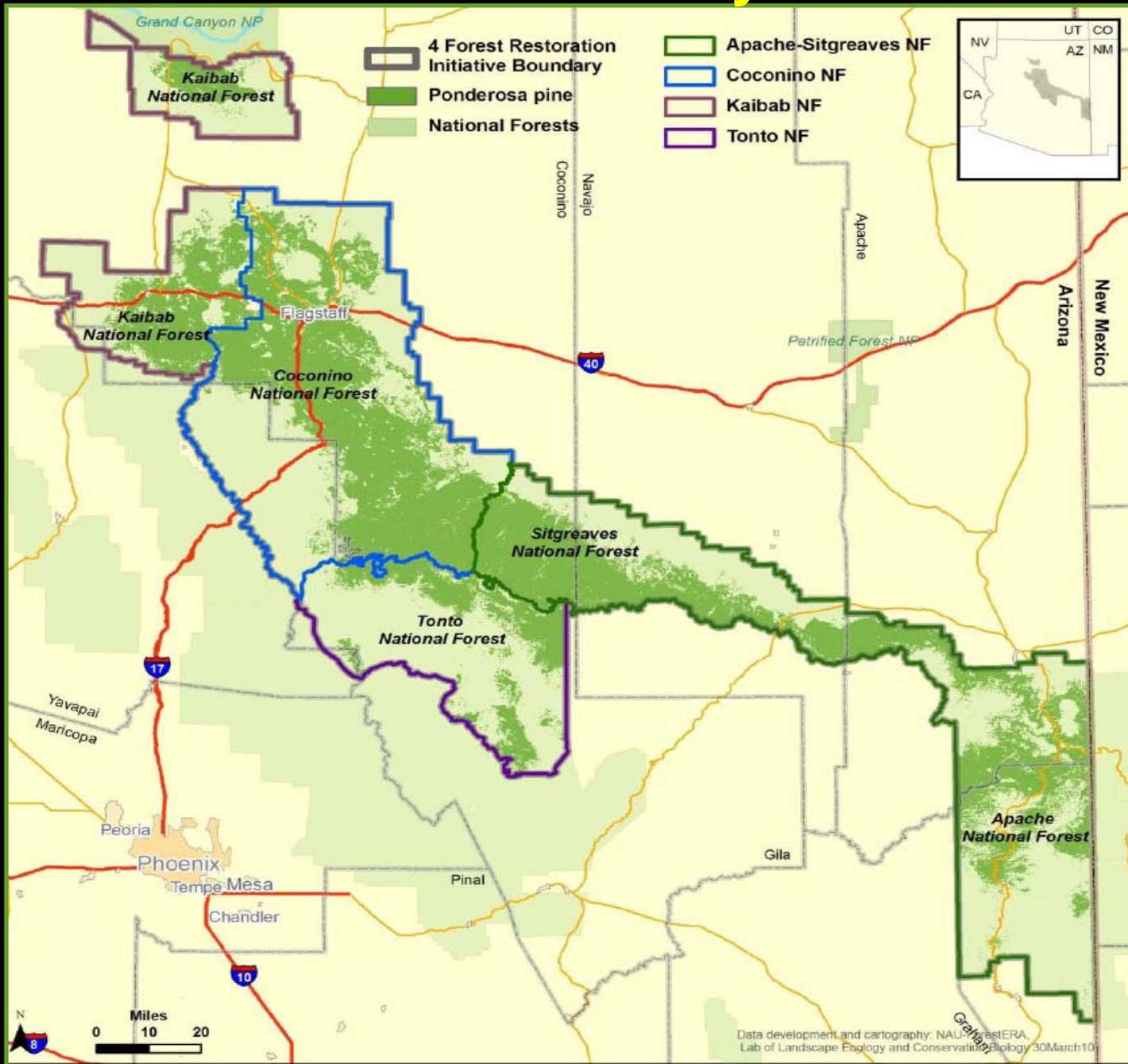


4FRI Objective:

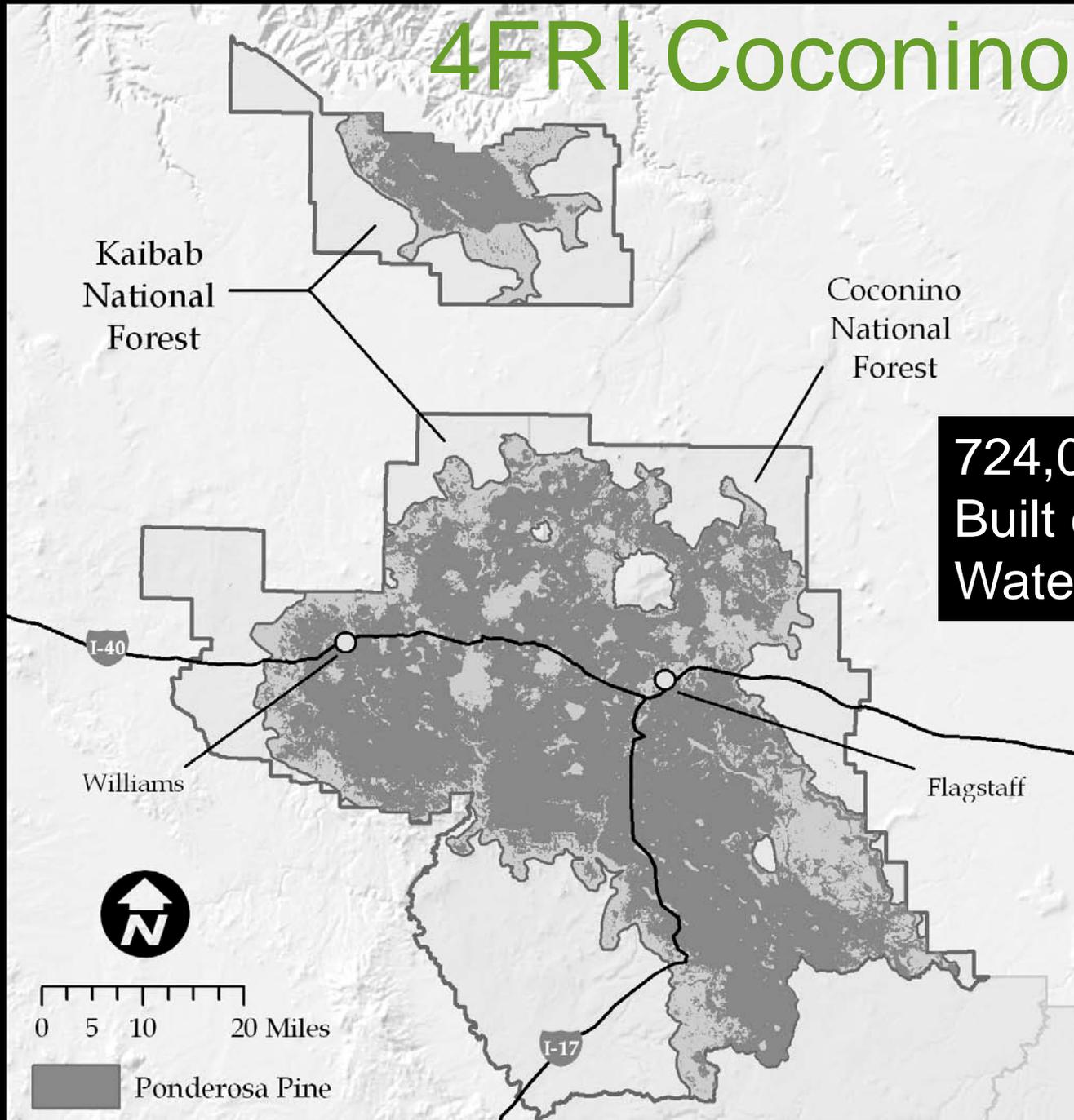
Restore ecological resilience and function across 2.4 million acres of northern Arizona's ponderosa pine forest and to attract appropriately sized industry to the region



2.4 million acre analysis area



4FRI Coconino & Kaibab



724,000 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

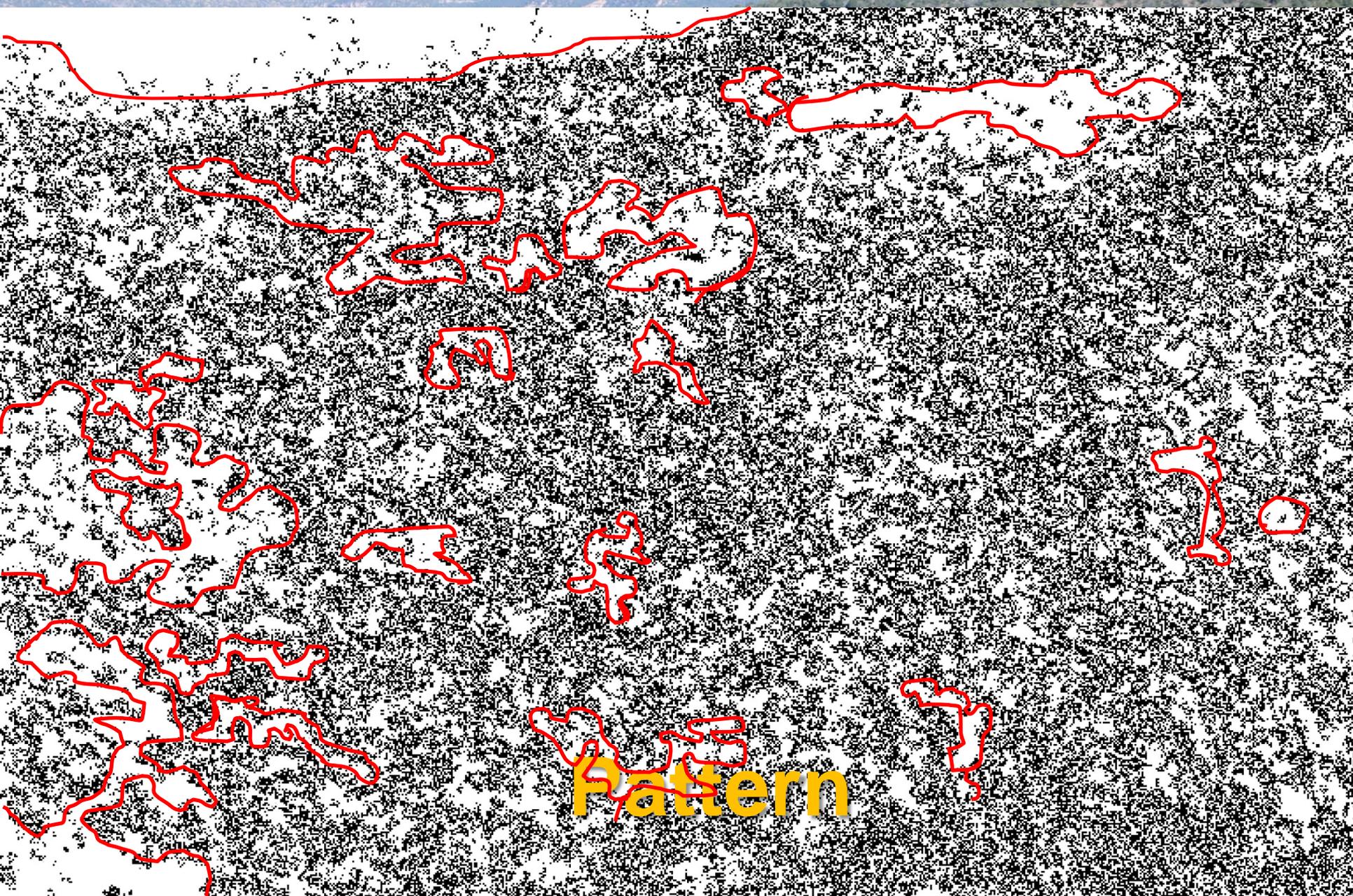
Components of 4FRI Restoration

- Restore the structure and patten of our ponderosa pine system through the treatment of ~1million acres over ~20 years
- Obliteration of unauthorized roadbeds
- Restore function to ephemeral channels
- Restore and enhance aspen, oak, springs and meadow habitat
- Attract sustainable forest industry to help offset the costs of restoration and create jobs

Watershed Benefits

- Restored ephemeral channels reduce sediment loads and downstream effects
- A recent study by the Ecological Restoration Institute indicated that restoration treatments had a positive effect on water yield
- Healthy watersheds provide for a diversity of flora and fauna needs
- Healthy watersheds significantly reduce the potential for catastrophic events such as the Dude, Four Peaks, Rodeo/Chediski, Cave Creek and Schultz wildfires

Restoration

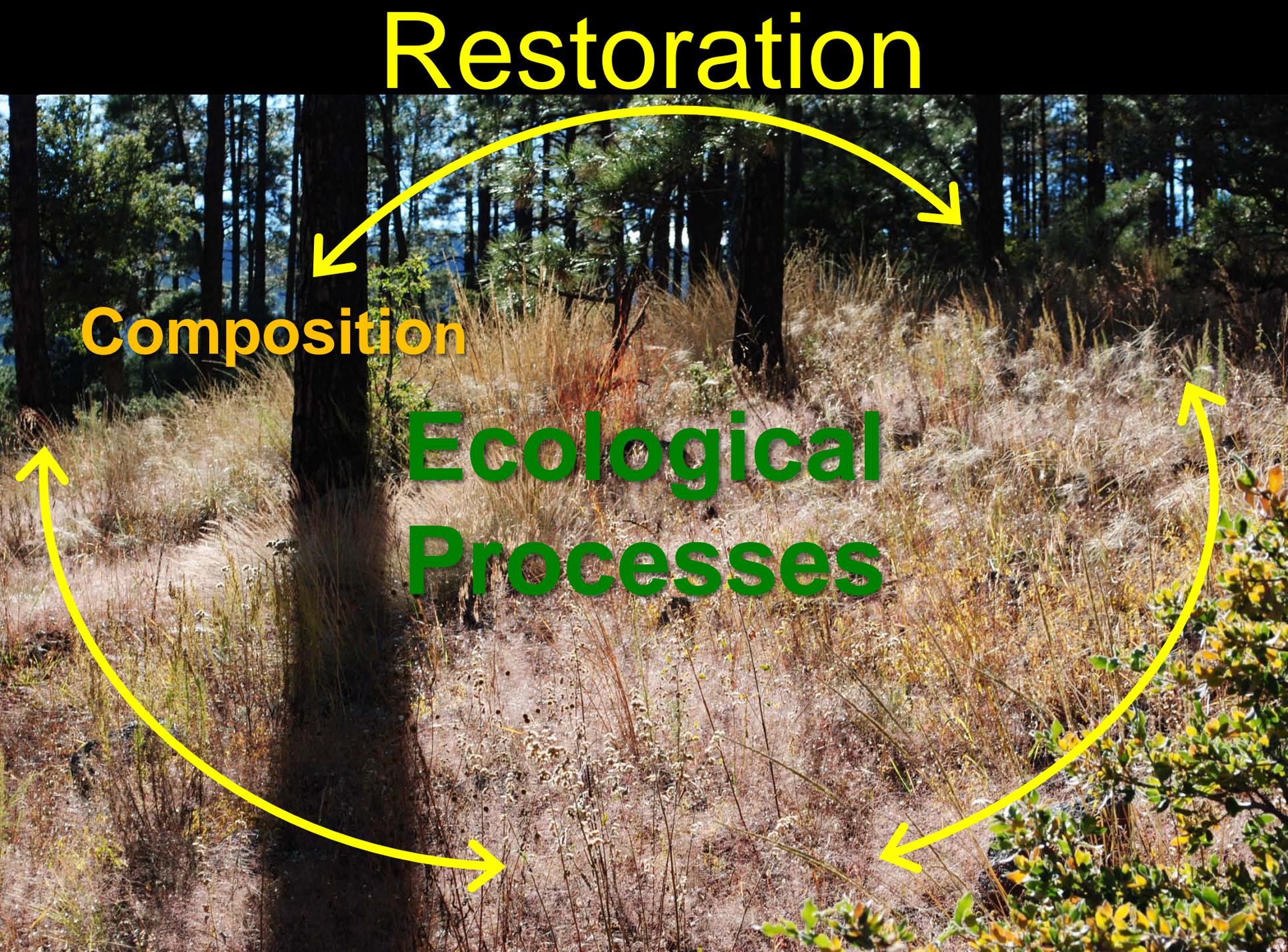


Pattern

Restoration

Composition

Ecological
Processes



Timeline

- Collaboration and data collection began fall of 2009
- NEPA Begins January 2011
- Request For Proposals completed winter 2011
- First contract/s issued summer 2011
- First task order/s fall 2011
- ROD for first EIS covering 724,000 acres in 2012
- Full implementation of first 4FRI EIS in 2014/15

Thank you for your attention!



Schultz Fire Photos from Dan Greenspan <http://spleen-me.com/blog/>
"Tamarak Pines", George Winston; Forest, 1994