

Planning for Growth and Open Space Conservation

This webinar series is sponsored by:
USDA Forest Service
State and Private Forestry - Cooperative Forestry

Organized by
Susan Stein, Sara Comas, Susan Guynn (Clemson University)
and the
Forest Service National Open Space Conservation Group



This webinar is being recorded

Audio is
Streamed Through
the Computer

Learn About the Series

Listen to past webinars!

Listen to our past webinars:

- ▶ Session #9: Private land conservation programs from the Farm Bill: Natural Resources Conservation Service, Farm Service Agency, and US Forest Service.
- ▶ Session #8: Landscape Conservation Initiatives: US Fish and Wildlife Service, Bureau of Land Management, Department of Defense, Natural Resources Conservation Service
- ▶ Session #7: Science to inform Open Space Conservation: Land use changes, forest fragmentation, and the Wildland-Urban Interface
- ▶ Session #6: Facilitating Large Landscape Conservation Efforts: Working effectively across boundaries in the Northeast and Crown of the Continent
- ▶ Session #5: Local and Regional Land Trusts: Essential partners and the tools they provide
- ▶ Session #4: The Forest Service Toolbox: Conservation easement and land acquisition programs
- ▶ Session #3: Green Infrastructure Planning: Connecting partners and greenspaces
- ▶ Session #2: YES YOU CAN! Participating in Growth Planning Beyond the Green Line
- ▶ Session #1: National Forest Management in the Face of Housing Growth

Learn about future topics!

Future Topics:

Please [register](#) in advance if you would like to attend these presentations.

- ▶ Session #11: An All Lands Approach to Ecosystem Services for Water

Submit feedback about the series!

Please submit your feedback [here](#)

Learn About the Series

Click on the session titles for more info on recordings, slide presentations, and featured resources



[Listen to our past webinars:](#)

▼ [Session #13: City and County Open Space Programs](#)

This program presents growth and open space conservation planning for cities and counties. Speakers will present the Trust for Public Land's Conservation Almanac and LandVote resources that are available online for researching conservation activities, and public funding for land conservation. We will also learn about open space conservation planning processes, ordinances, funding mechanisms, and partnerships employed in Missoula, Montana, and Baltimore County, Maryland.

- ▶ **Mary Bruce Alford** Trust for Public Land
- ▶ **Jackie Corday** City of Missoula, Montana
- ▶ **Don Outen** Baltimore County, Maryland

[Link to video presentation](#)

[Link to PDF Presentation](#)

[Link to resources from this webinar](#)

▶ [Session #12: Greening Grey Infrastructure: Federal Highway Administration's Eco-Logical Approach and Case Studies from National Forests in Ohio and Washington](#)

▶ [Session #11: An All Lands Approach to Ecosystem Services for Water](#)

▶ [Session #10: Tools for Conservation Planning](#)

Webinar Resources and Tools



USDA United States Department of Agriculture Forest Service

Open Space Conservation

Forest Service Home | About the Forest Service

Browse by Subject You are here: [Home](#) | Resources

- ▶ National Strategy
- ▶ Loss of Open Space
- ▶ Success Stories
- ▶ What the Forest Service can do!
- ▶ **Resources & Tools**
- ▶ Cooperating Across Boundaries
- ▶ Forests On The Edge
- ▶ Publications

Resources and Tools

The resources and tools shared below correspond with topics from our [Planning for Growth and Open Space Conservation](#) webinar series.

Want to add tools to this list? Contact [Rick Pringle](#) with a link

Legal Authorities for Forest Service Engagement in Open Space

- ▶ [Forest Service Handbook 1509 Grants and Agreements](#)
- ▶ [Partnership Guide](#)
- ▶ [Partnership Resource Center](#)
- ▶ [Principles of Ethical Conduct for Government Officers and Employees](#)

Find relevant resources for each webinar session here!
If you have relevant resources to share please send them to us!

Session #22 – Tracking Land-Use Change

Wednesday, March 12th at 2:00 pm Eastern

Garik Gutman *NASA Headquarters, Washington DC*

David Roy *South Dakota State University*

Cristina Milesi *California State University
Monterey Bay/NASA Ames Research Center*

Chengquan Huang *University of Maryland*



Future Webinar Topics

- **April** – Intergenerational Land Transfer
- More projects being planned for 2014

Session #21: Collaborative Forest Landscape Restoration Program



Lauren Marshall
Collaborative Forest
Landscape Restoration
Program Coordinator



Reese Lolley
The Nature Conservancy
Eastern Washington



Dick Fleishman
US Forest Service
Four Forest Restoration
Initiative

Logistics – Q&A

- **Continuing Education Credits**
 - Attend entire presentation
- **Questions for speakers – chat pod**
- **Technical difficulties – chat pod or email Susan Guynn: SGUYNN@clemson.edu**

Getting to Know You!



Lauren Marshall

US Forest Service

**Collaborative Forest Landscape
Restoration Program Coordinator**

fire suppression
watershed restoration

COLLABORATIVE FOREST
LANDSCAPE RESTORATION
PROGRAM

ecological sustainability
economic development

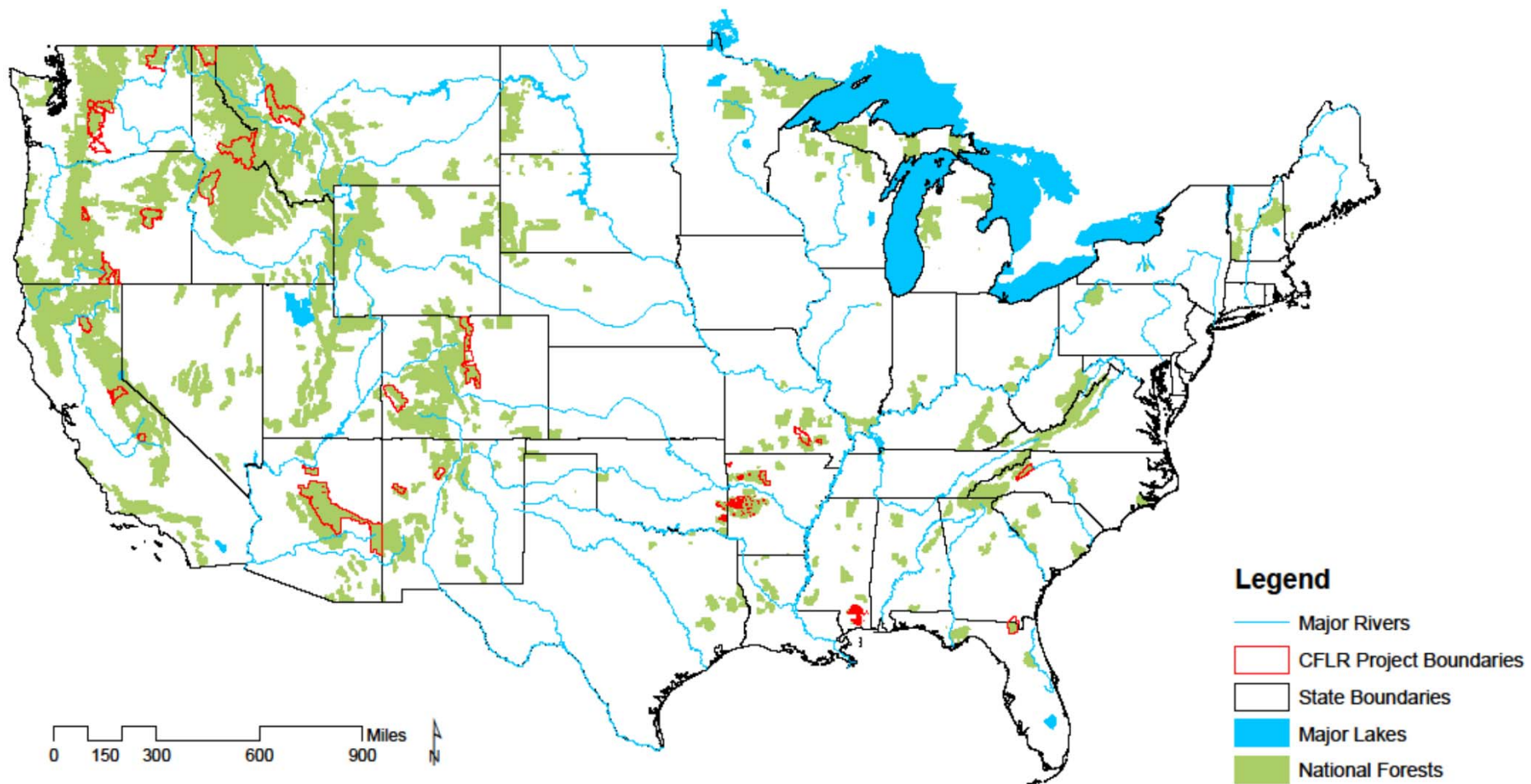


the omnibus act of 2009



the CFLR fund





collaboration





Missouri Pine Oak Woodlands Restoration Project : Mark Twain National Forest





Mark Twain NF :: Collaboration

Central Hardwoods Joint Venture

American Bird Conservancy

Missouri Department of Conservation

Natural Resources Conservation Service

The Nature Conservancy

Big Springs Resources Conservation
Service



National Park Service

Mark Twain National Forest

Missouri Department of Natural
Resources

Private Land Owners

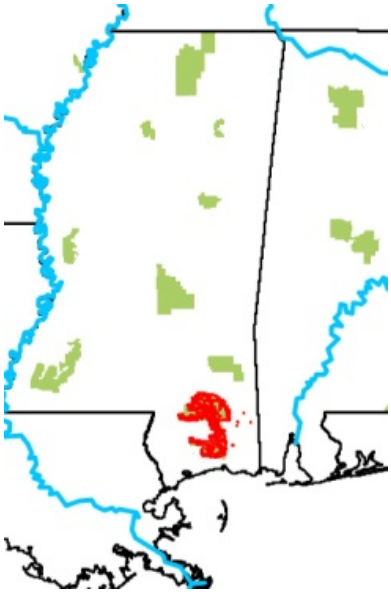


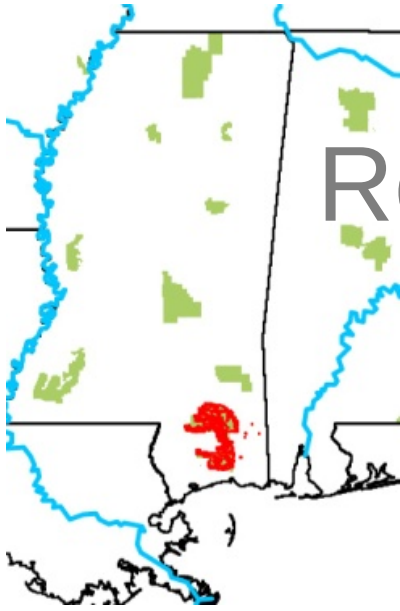
USDI Fish and Wildlife Service

USDA Northern Research Station



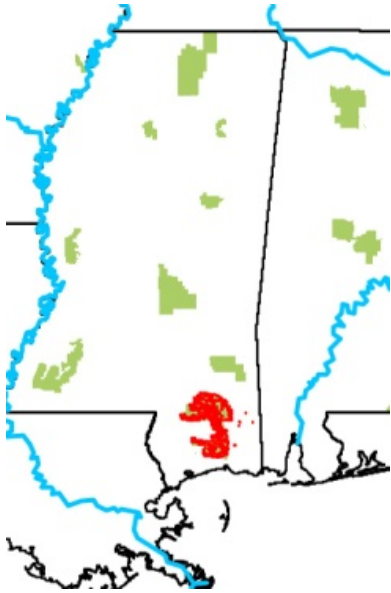
Mark Twain NF:: Open Space Conservation





Longleaf Pine Ecosystem Restoration and Hazardous Fuels Reduction: NF of Mississippi





NFs of MS :: Collaboration

USDA FS, De Soto Ranger District

Land Trust for the MS Coastal Plain

USDA Forest Service R8 Forest Health

The Nature Conservancy

Lightscribe Photography

National Wild Turkey Federation

Mississippi Forestry Commission

Mississippi Department of Wildlife, Fisheries, and
Parks/ Mississippi Museum of Natural Science



USDA FS Retiree

University of Southern Mississippi

Camp Shelby Joint Forces Training
Center - Range Control

Mississippi State University Extension Service

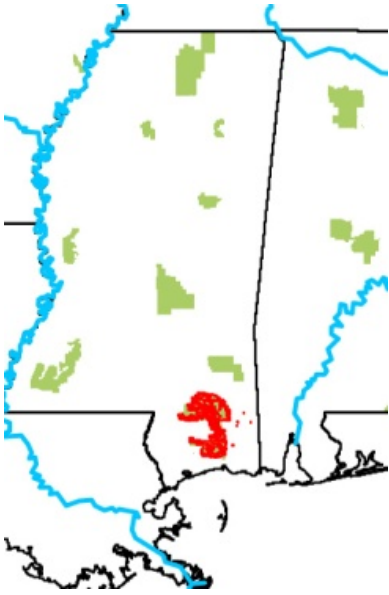


USDI Fish and Wildlife Service

USDA NRCS MS Coastal Plains RC&D



NFs of MI :: Open Space Conservation



The Nature
Conservancy 
Protecting nature. Preserving life.*



the future



lauren marshall
lemarshall@fs.fed.us





Reese Lolley
The Nature Conservancy
Eastern Washington

Tapash Sustainable Forest Collaborative Landowner Coordination and Stakeholder Collaboration Solving Wicked Problems for People and Nature

M. Reese Lolley
The Nature Conservancy
Eastern Washington Forests Program Director

Planning for Growth and Open Space Conservation Webinar
February 12, 2014



The Evergreen state – Where people live, and yes, where forests burn!

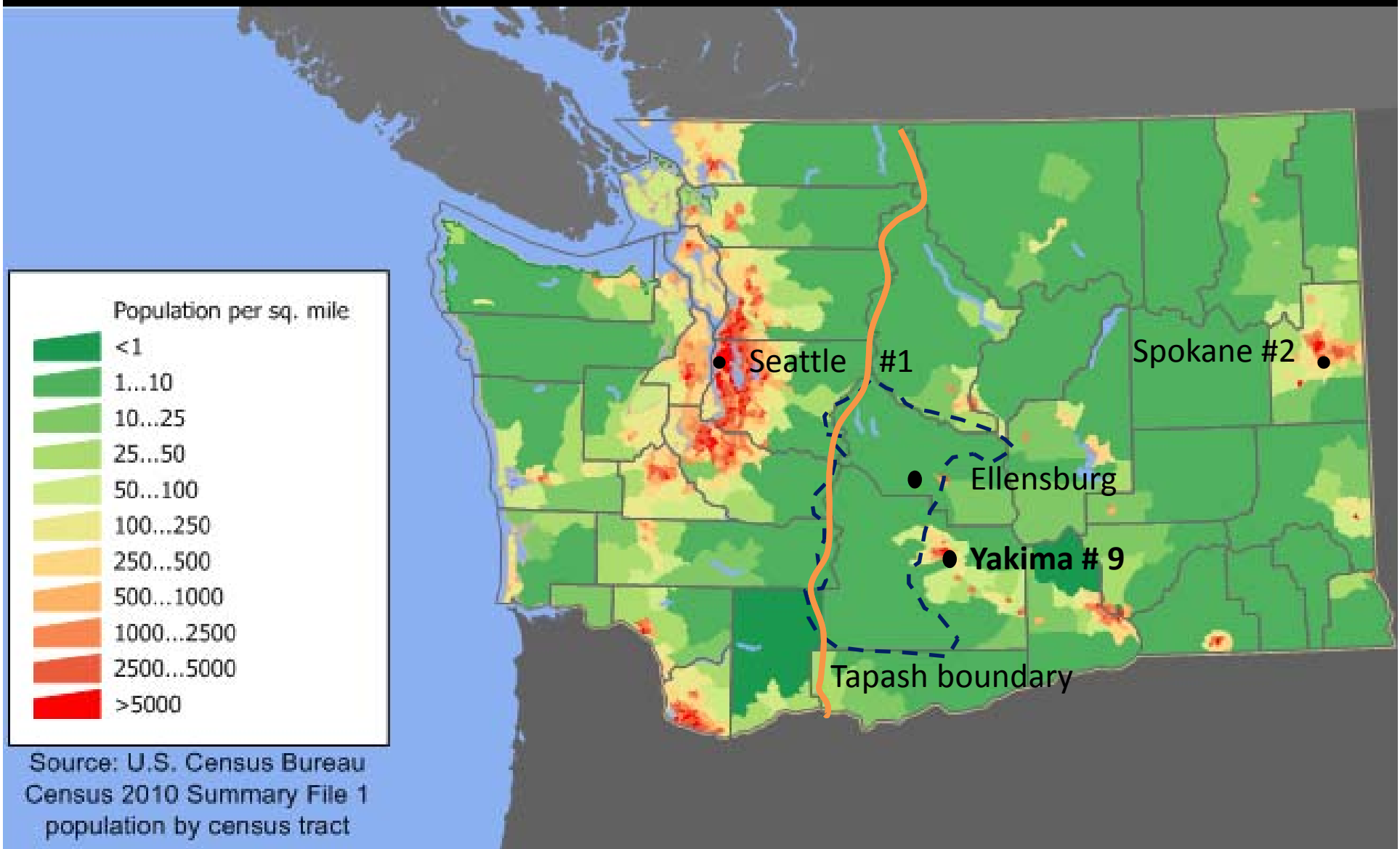




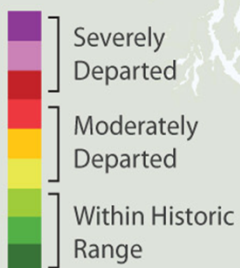
Photo: David Hagen ©

2.88 MILLION ACRES
OF FORESTS ARE IN NEED
OF FOREST RESTORATION
IN EASTERN WASHINGTON

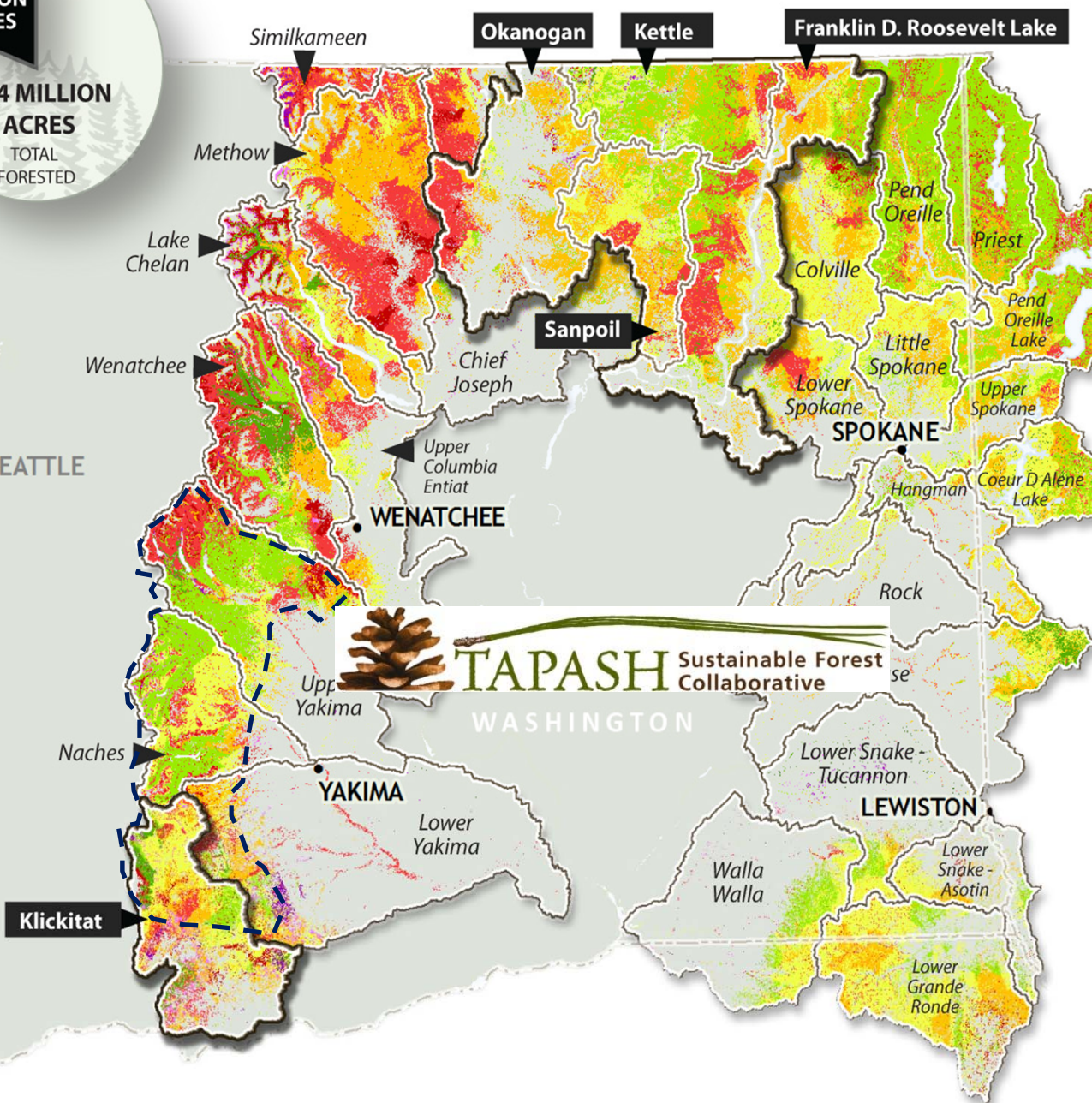


FOREST HEALTH

Over the last 150 years, forests in eastern Washington have seen significant change. This map shows a measure of how forests have departed from historical conditions.



Basins highlighted were selected by the Dept. of Natural Resources Forest Health Advisory Committee.



The Tieton River Checkerboard

updated from September 2003

Oak Creek
Wildlife Area

Wenatchee
National
Forest

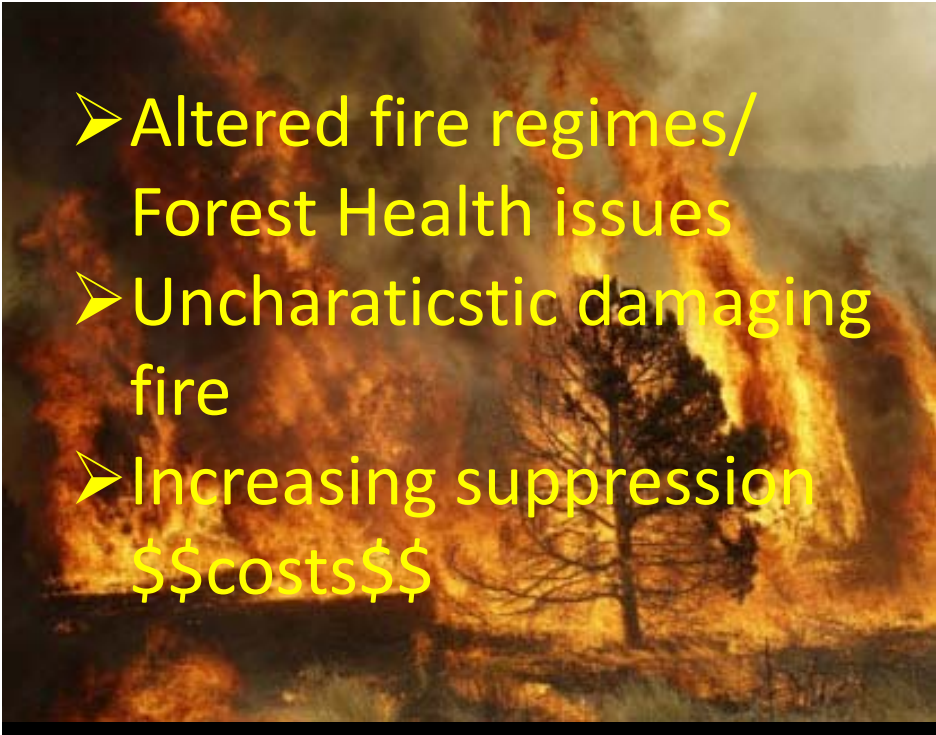
Tieton River

to Yakima



-  The Nature Conservancy will maintain ownership
-  Lands to be acquired and transferred this year
-  Lands purchased and transferred to Washington state Department of Fish and Wildlife

...genesis of the Tapash
Sustainable Forest Collaborative

- 
- Altered fire regimes/
Forest Health issues
 - Uncharacteristic damaging
fire
 - Increasing suppression
\$\$costs\$\$

Loss of:

- 
- Forest processing
infrastructure
 - Sustainable forest jobs, and
skilled workforce
 - Declining budgets

Copyright 2010 John Marshall

Forest road systems:

- 
- \$ to maintain
 - Aquatic impacts
 - Access
 - Recreational
 - Fire management
 - Forest management
 - Wildlife security

- 
- Large industrial forest
land holding on market
 - Highest and best use



TAPASH Sustainable Forest
Collaborative

To improve the ecosystem health and natural functions of the landscape through active restoration projects backed by best science, community input and adaptive management.

—Tapash Mission Statement





United States
Department of
Agriculture

Forest Service

Pacific
Northwest
Region



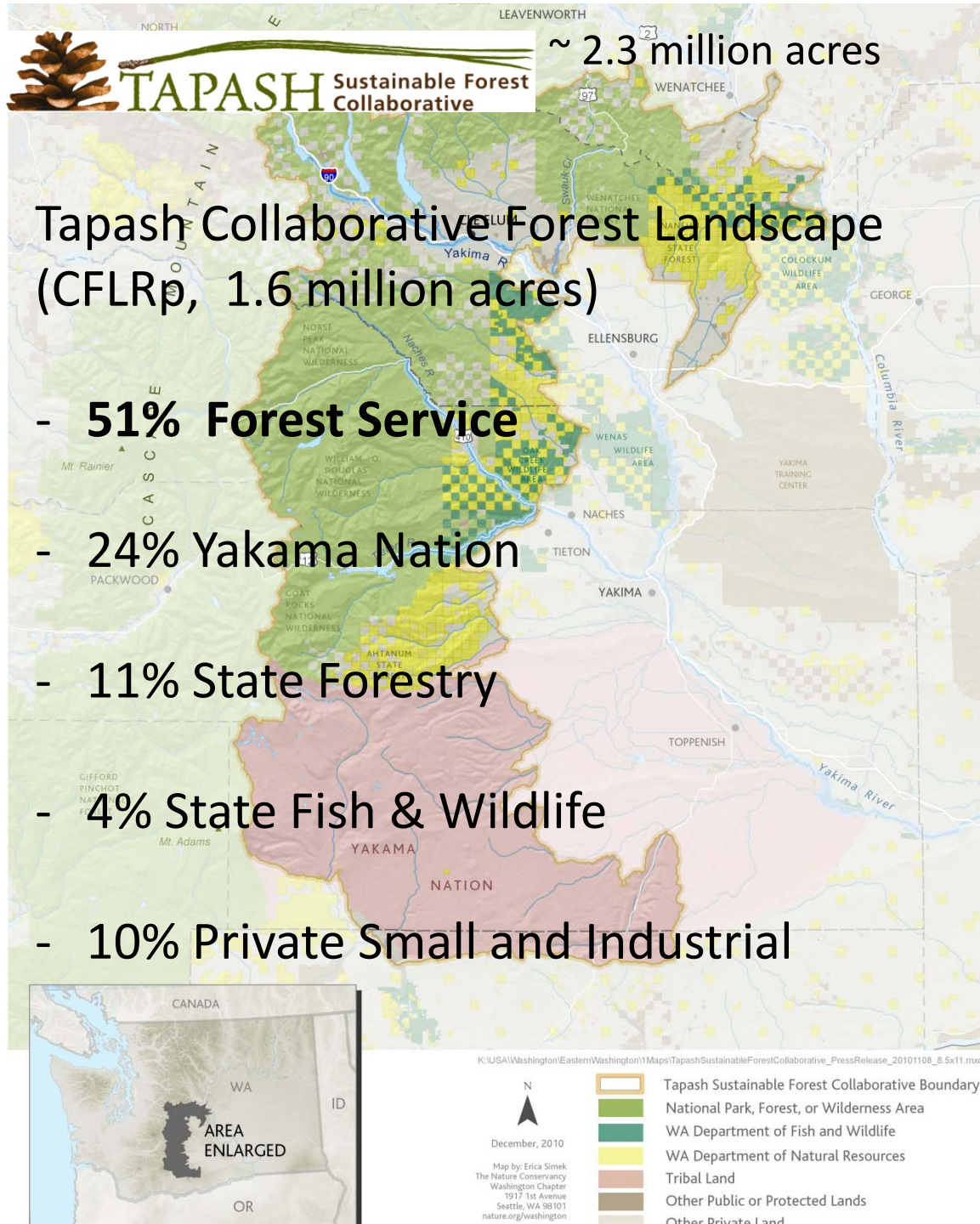
The Okanogan-Wenatchee National Forest Restoration Strategy: adaptive ecosystem management to restore landscape resiliency

2010 Final Version

Okanogan-Wenatchee National Forest

September 2010





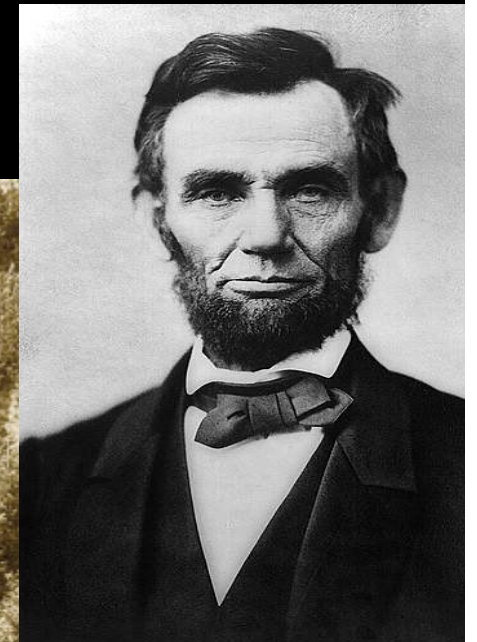
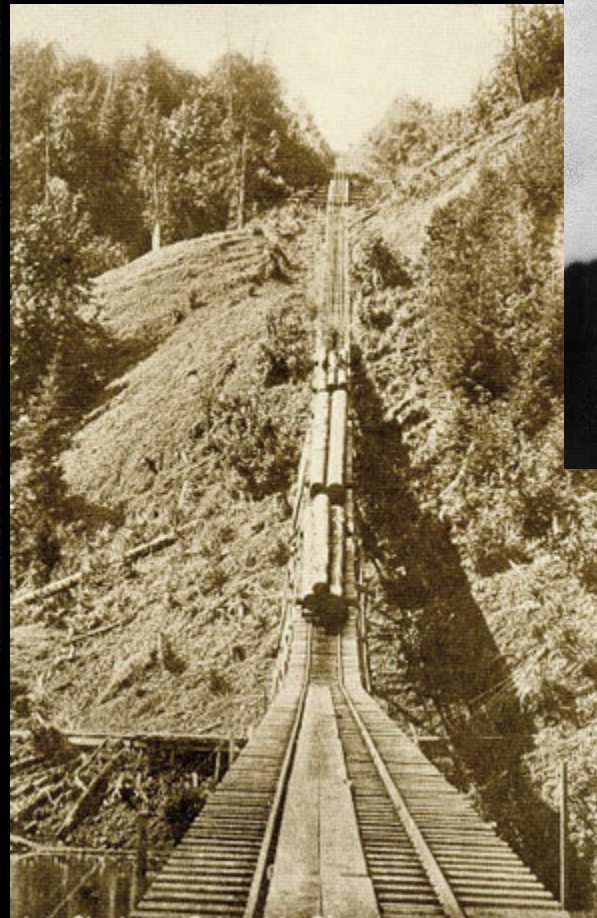
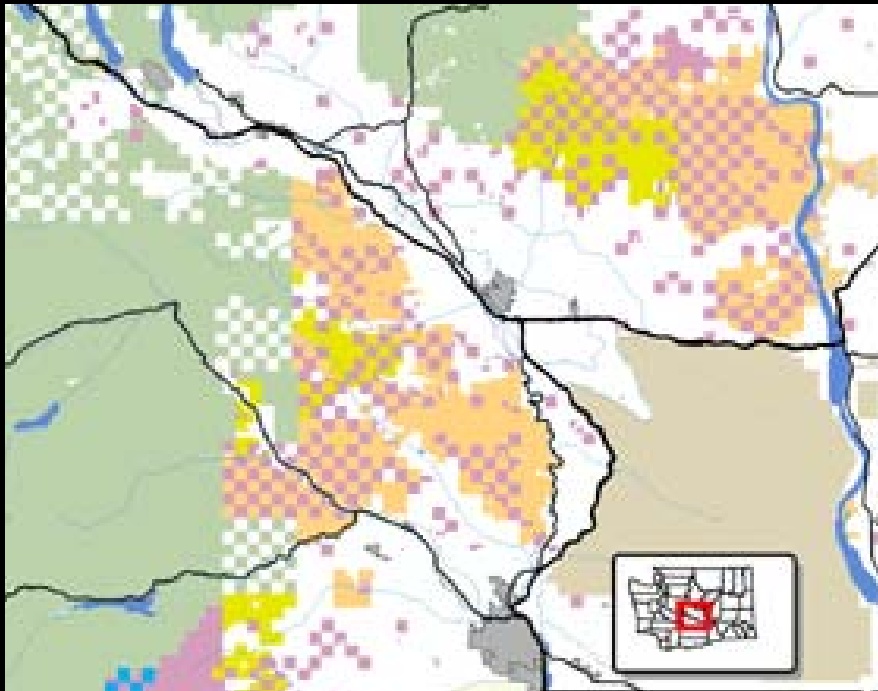
Checkerboard Ownership

and

Making Informed Choices in Transition of
Industrial Forest Lands on Market

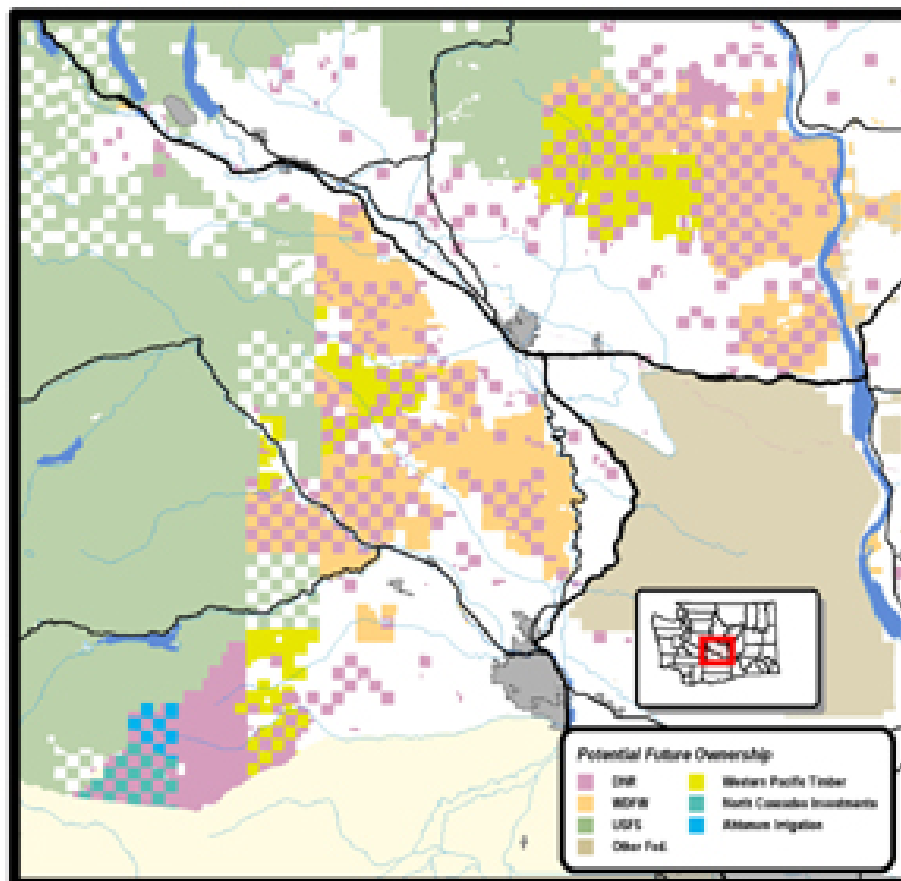


Railroad Land Grant Legacy: Checkerboard Ownership & Forestry - Industry

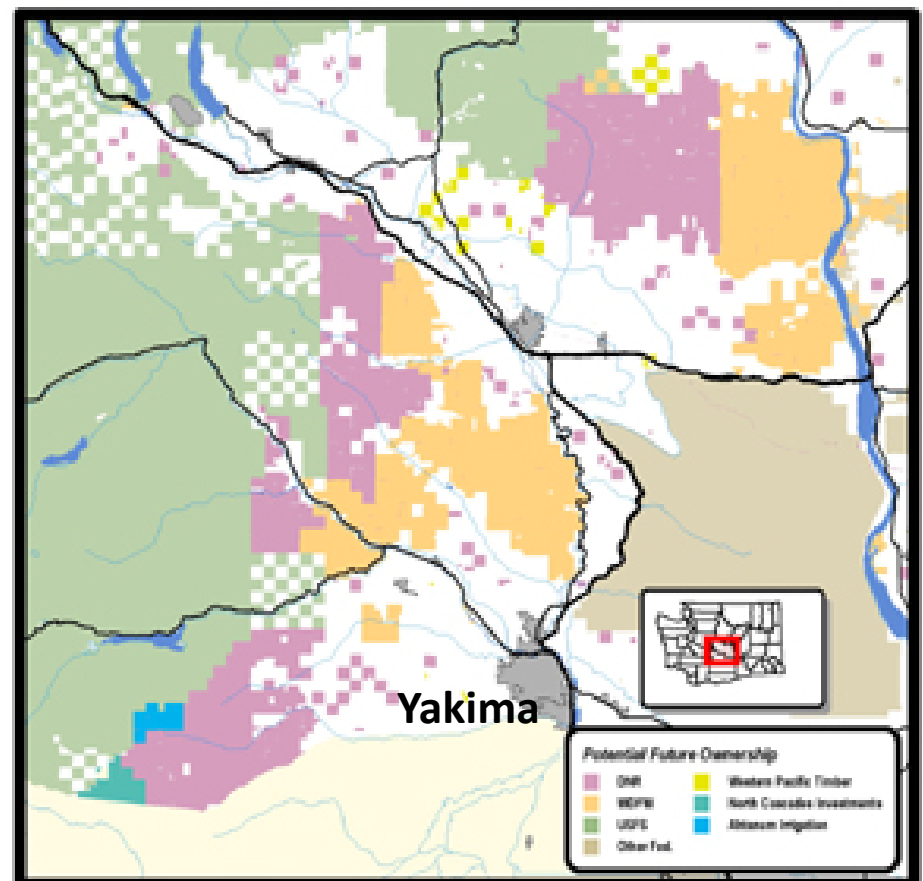


Washington State Forestry Checkerboard Exchanges with: State Wildlife Western Pacific Timber

BEFORE



AFTER



Washington

Wildland Urban Interface 2000



WUI

- Intermix
- Interface

Non-WUI Vegetated

- Very Low Density Housing
- No Housing

Non-Vegetated or Agriculture

- Medium and High Density Housing
- Low and Very Low Density Housing
- Water



Photo: David Hagen ©

➤ Recreational access maintained?



➤ Habitat Connectivity – game animals, T&E species?

➤ Compatible forest...



Copyright 2010 John Marshall



Photo: John Marshall ©

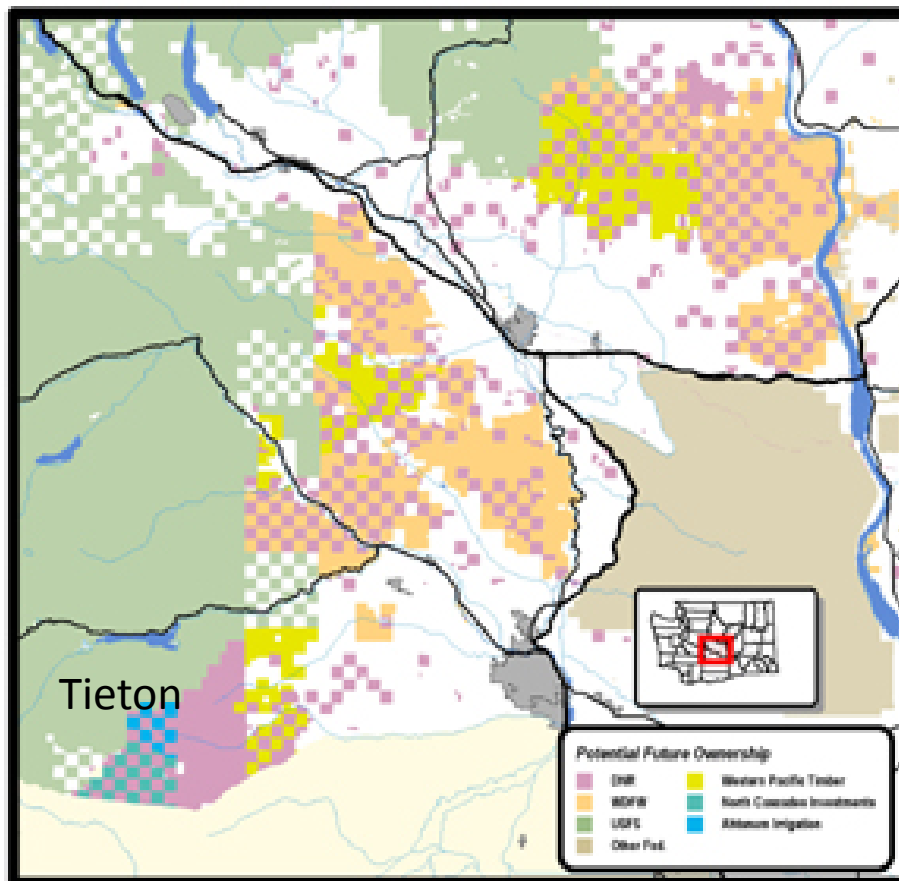
management options?



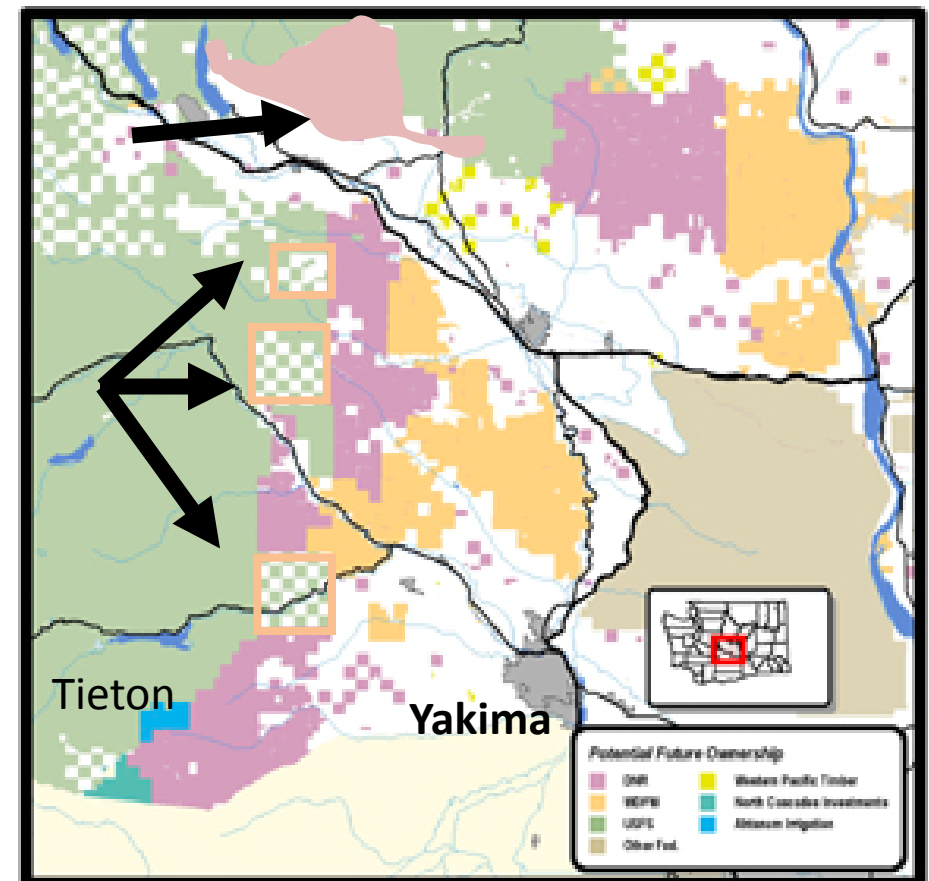
- Congruent with reducing fire management costs and fire fighter safety?

Further Checkerboard Transition

BEFORE



AFTER





“Know your role, and learn what you can do to protect your community.”

Engaging

Residents and Homeowners
Fire and Emergency Responders
Civic and Community Leaders
Forest and Land Managers

Table Mt. Complex, near Ellensburg, WA 2012



Photo: USDA Forest Service

Taylor Bridge Wildfire, near Ellensburg, WA 2012



Thank you!





Dick Fleishman

US Forest Service

Four Forest Restoration Initiative

*Four Forest Restoration
Initiative and Flagstaff
Watershed Protection Project
Working together across boundaries*

February 12, 2014

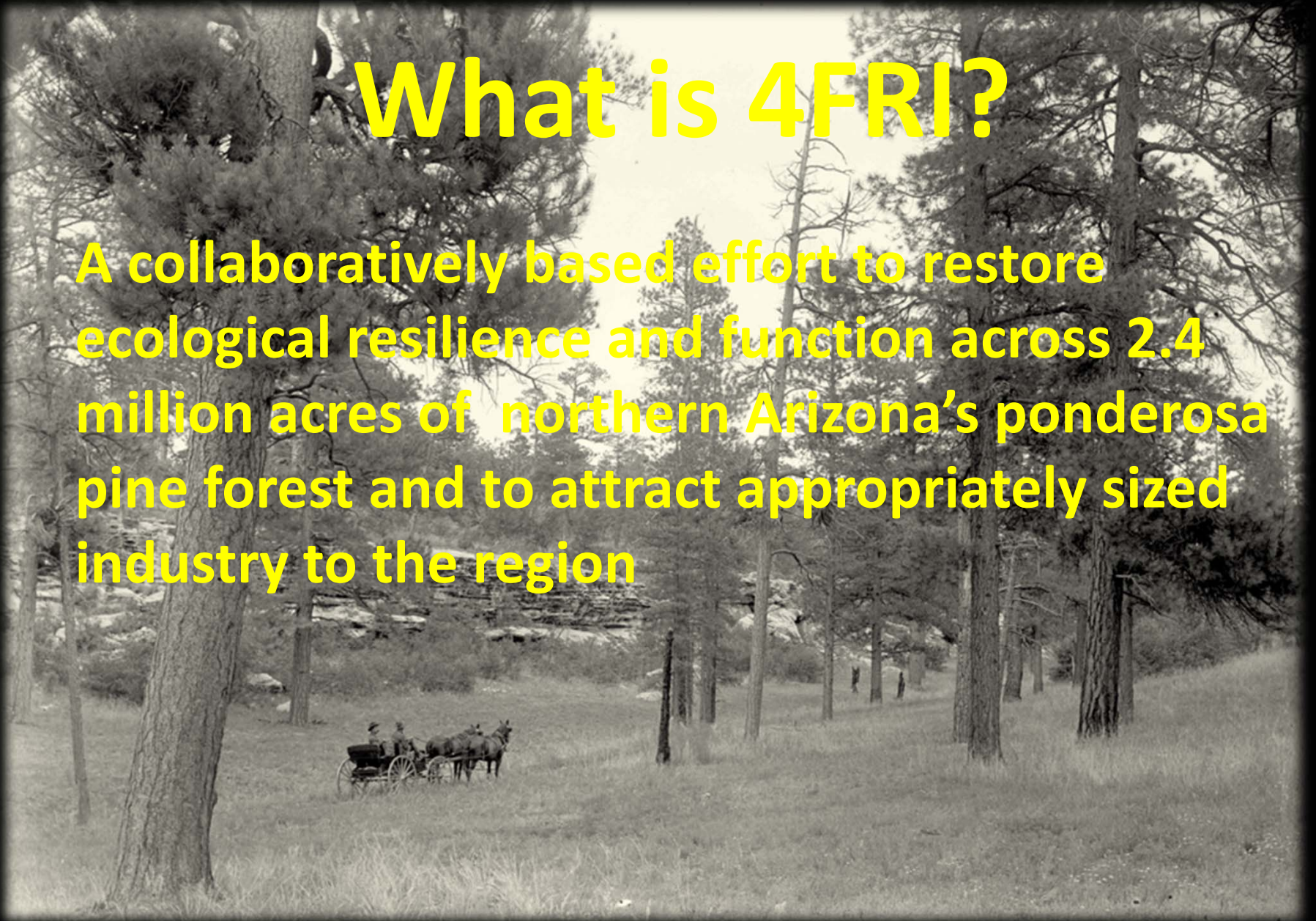


Presentation Overview

- Overview of the Four Forest Restoration Initiative (4FRI)
- The Schultz Fire and Aftermath--the Flagstaff Watershed Protection Project (FWPP) is born
- 4FRI and FWPP—moving forward together to protect the City of Flagstaff's water supply and City infrastructure

What is 4FRI?

A collaboratively based effort 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





What is Going on with 4FRI?

Four processes are currently ongoing

- **Current on-going restoration work**
- **Phase 1 4FRI Stewardship Contract awarded May 18, 2012 for 300,000 acres of treatment over 10 years**
- **Large scale National Environmental Policy Act (NEPA) planning document for just under 1,000,000 acres on the west half of the project**
- **Beginning of multi-party monitoring**

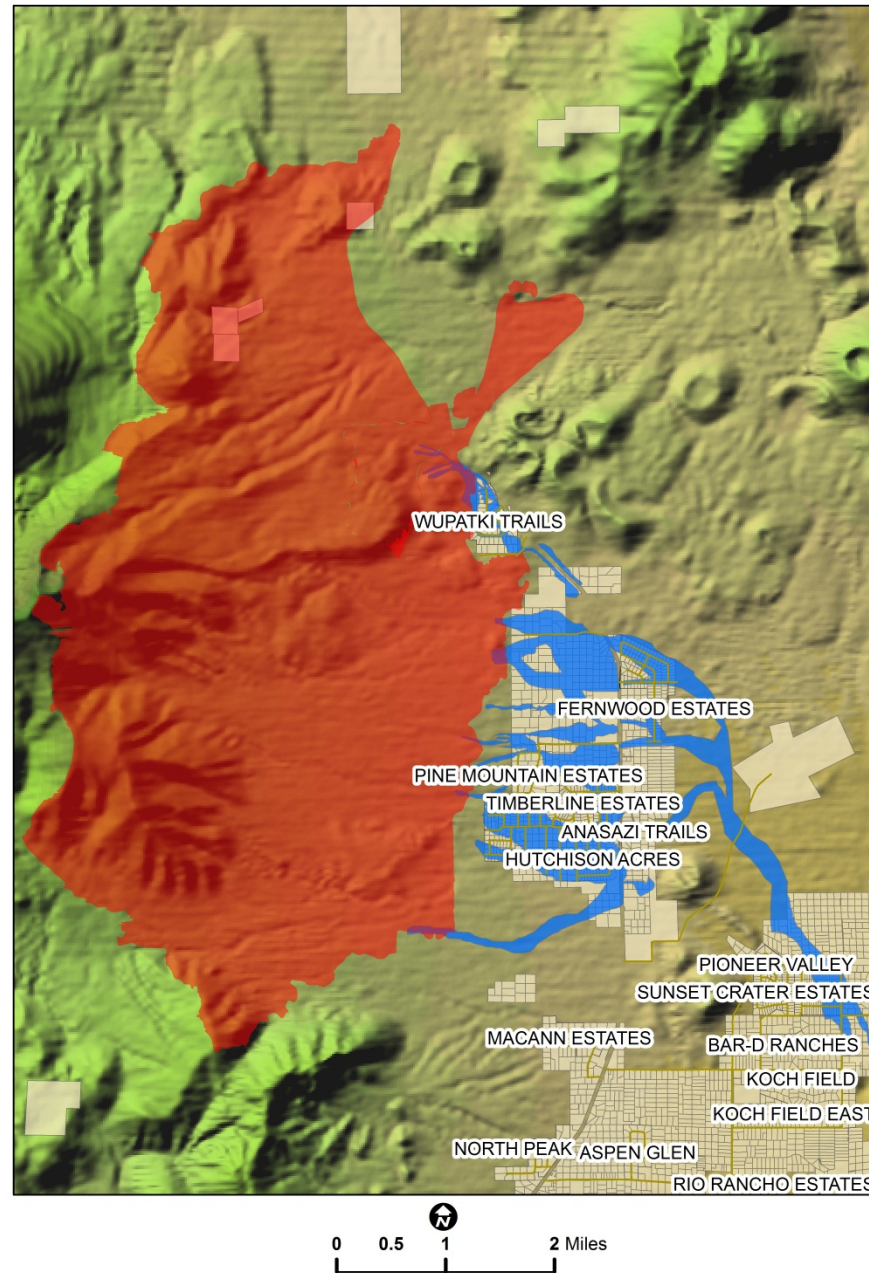
The Schultz Fire and Flooding

- Started June 20, 2010, burned just over 15,000 acres northwest of Flagstaff
- Post-fire flood events affected multiple communities in Coconino County directly adjacent to the City of Flagstaff
- Total cost-to-date of fire suppression, flood mitigation, property loss and property value ≈ \$150 million

source: Combrick et al. 2013. A full cost accounting of the 2010 Schultz Fire. W.A.Franke College of Business and Ecological Restoration Institute. Northern Arizona University



Schultz Fire and Adjacent Neighborhoods Flooding Summer 2010







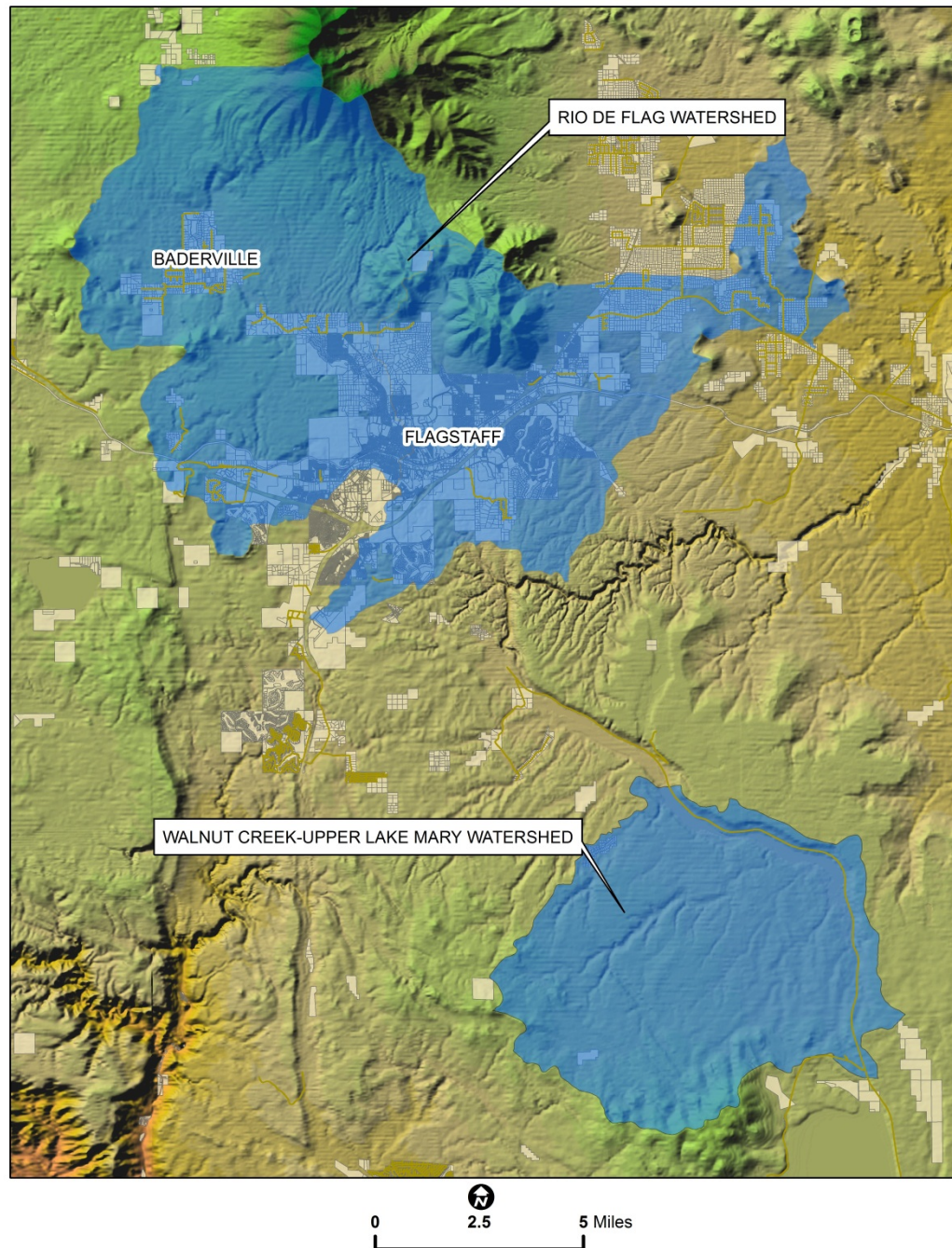


0 0.5 1 Miles

Flagstaff Watershed Protection Project (FWPP)

- After the Schultz Fire in 2010, discussions between the City of Flagstaff, the Coconino National Forest, Coconino County and stakeholders began to look at issues related to the potential for flooding to the City of Flagstaff and damage to surface water supply for Flagstaff.
- The City of Flagstaff proposed a unique solution to concerns raised---a bond for *\$10 million* to treat watershed areas on Forest Service and State Trust lands to alleviate potential risks from wildfires (Proposition 405 on the November 2012 ballot)
- Proposition 405 passed with a 73.4% approval rating

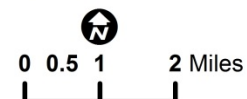
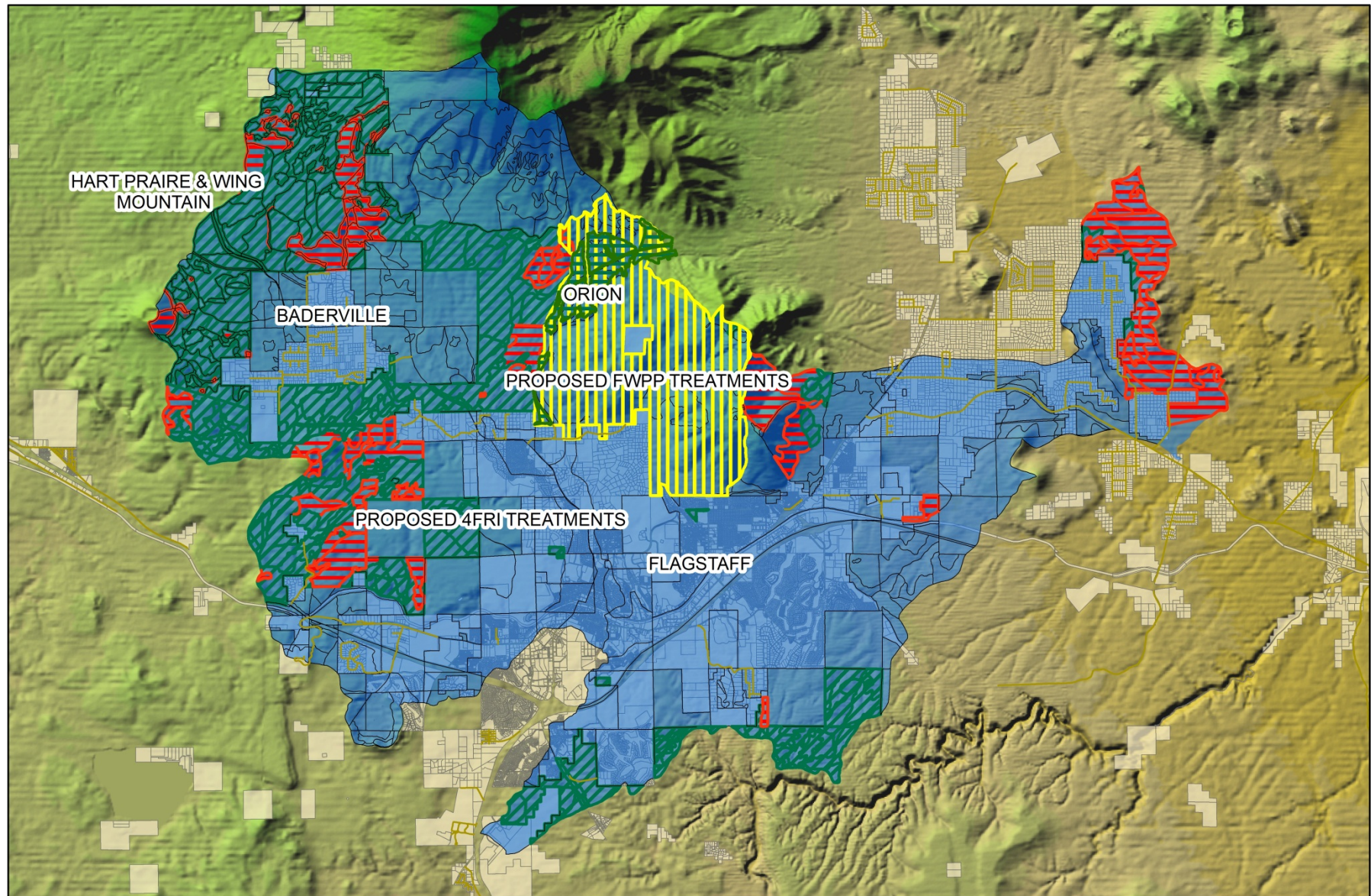
CITY OF FLAGSTAFF WATERSHEDS OF INTEREST



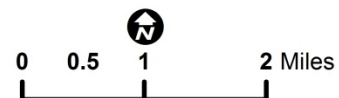
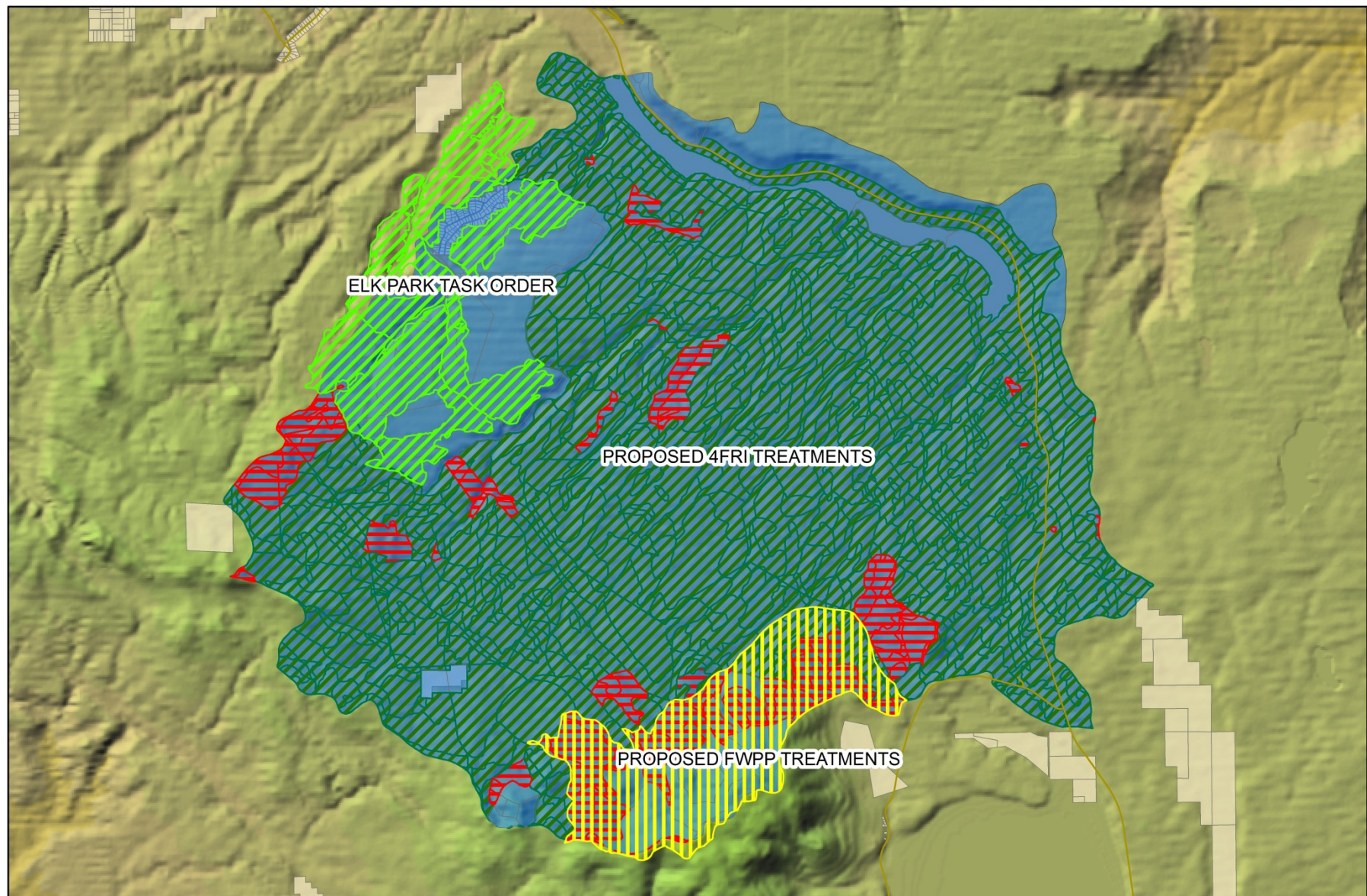
4FRI and FWPP—working together

- City of Flagstaff Bond money will implement projects on steep slopes (slopes > 40%) on the Coconino National Forest in the both the Rio de Flag and Walnut Creek-Upper Lake Mary watershed.
- 4FRI using CFLRP funding will implement projects in the both the Rio de Flag and Walnut Creek-Upper Lake Mary watershed through task orders on the Coconino National Forest on slopes < 40%.
- City of Flagstaff Bond money will also be used to treat acres on Arizona State Trust Lands in the Rio de Flag watershed.

Rio de Flag Watershed and Flagstaff w/ Surrounding Communities



Walnut Creek-Upper Lake Mary Watershed-City of Flagstaff Water Supply



What's Happening with FWPP now?

- Agreements between the Forest/City/ and State Land Department are in place.
- Planning underway for the steep slope portion that is not covered in other NEPA analysis.
- Implementation will begin in 2014 on current completed NEPA.
- Full project completion will require 8-10 years
- Community outreach.
- For further information, contacts for FWPP are:
 - Mike Elson—Flagstaff Ranger District Ranger, 928 527-8231
mtelson@fs.fed.us
 - Paul Summerfelt-City of Flagstaff , 928 213-2509
Psummerfelt@flagstaffaz.gov

Summary

- 4FRI is restoration based—expected changes in fire behavior is related to changing structure, pattern and composition of ponderosa pine forests
- FWPP is designed in minimize the risk of flooding directly adjacent to the City of Flagstaff and to minimize impacts of fire on the City of Flagstaff surface water supply
- 4FRI and FWPP are complementary projects that utilizes common collaborative groups and NEPA and adding additional NEPA planning to allow for accelerated implementation to minimize impacts from wildfires on watersheds
- The combination of 4FRI CFLRP funding and the City of Flagstaff Bond money allows for greater flexibility to accelerate treatments to meet mutually beneficial outcomes

A photograph of a forest with tall pine trees and a grassy foreground. The trees are tall and slender, with green needles. The ground is covered in dry, yellowish-brown grass. The sky is a clear, pale blue.

Thank You!

Dick Fleishman
Assistant Team Leader

Four Forest Restoration Initiative
928 226-4687 dfleishman@fs.fed.us

Questions and Answers

Ask questions through the chat pod

Give us your feedback!

www.fs.fed.us/openspace/webinars

Or Contact

Susan Stein – sstein@fs.fed.us

Sara Comas - scomas@fs.fed.us