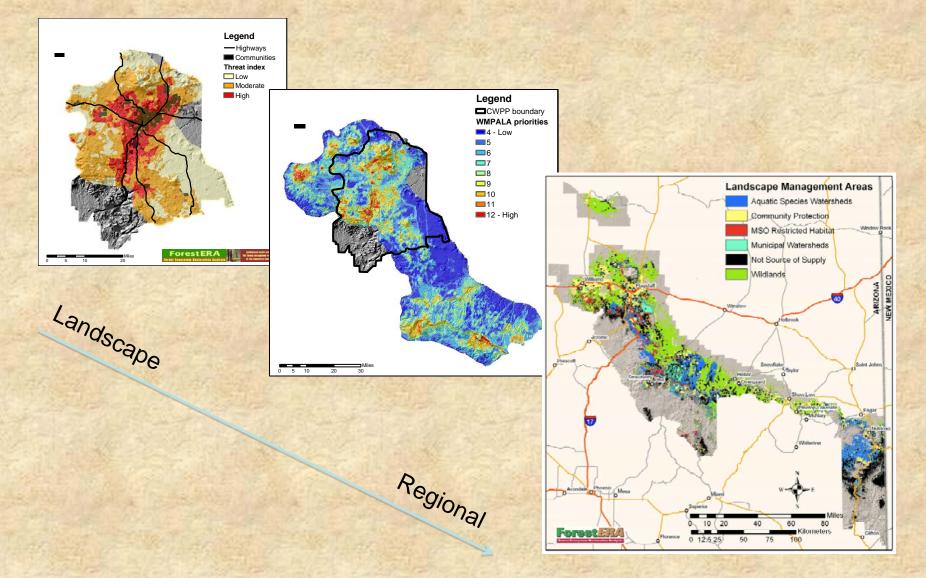
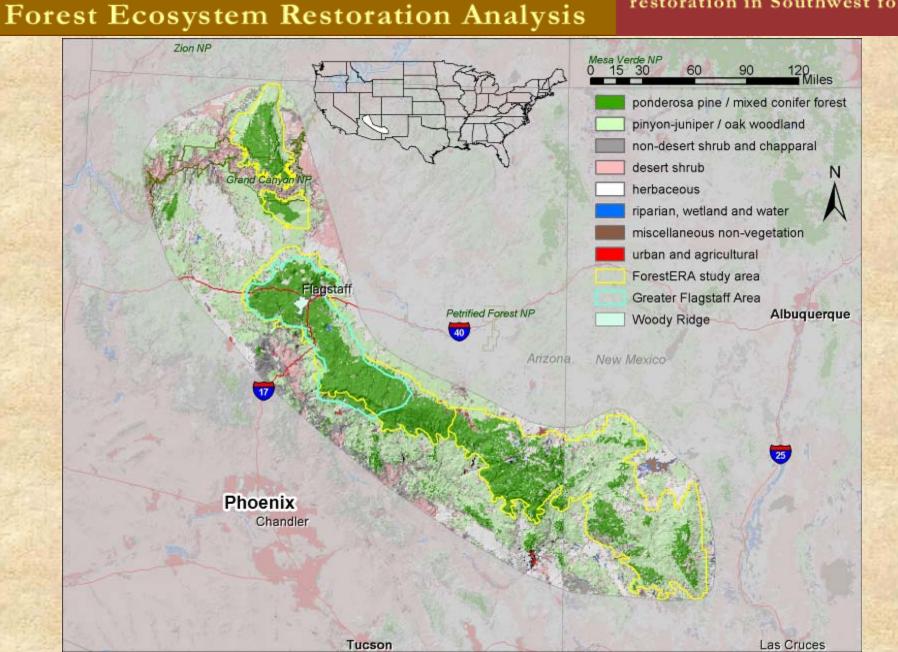
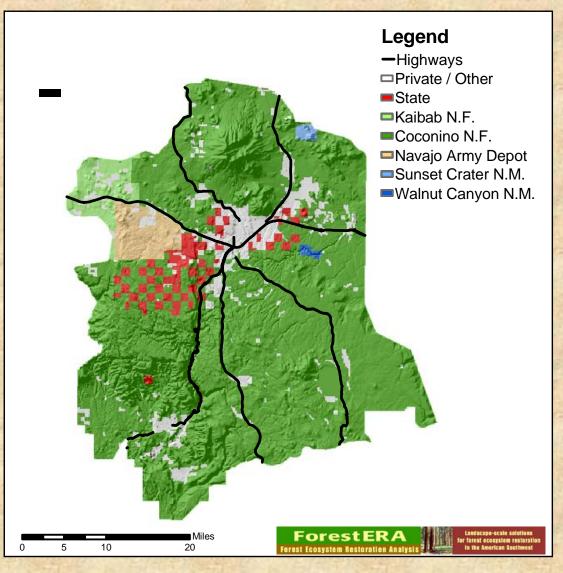
Integrating CWPPs with landscape restoration efforts in northern Arizona



ForestERA

Providing a landscape-scale perspective on ecosystem restoration in Southwest forests





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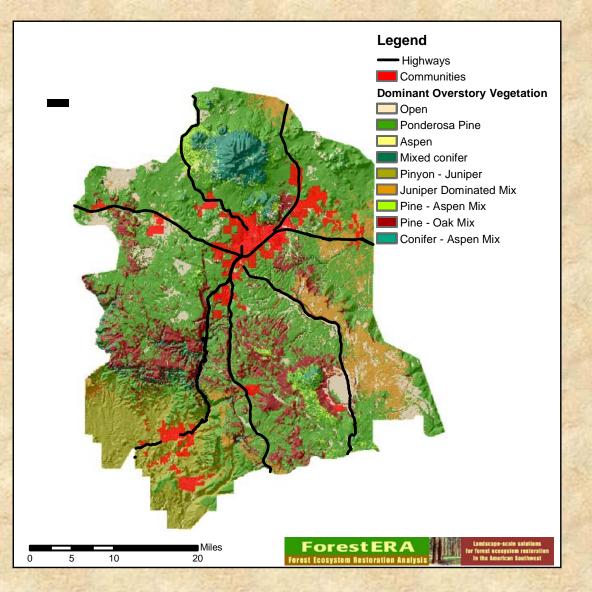
Forest Ecosystem Restoration Analysis

Flagstaff CWPP Area description

CWPP: 940,000 acres USFS: 790,000 acres Private: 82,000 acres State: 35,000 acres Forest E R A

Forest Ecosystem Restoration Analysis

Providing a landscape-scale perspective on ecosystem restoration in Southwest forests



Flagstaff CWPP Area description

ForestERA overstory vegetation layer + National Landcover Database

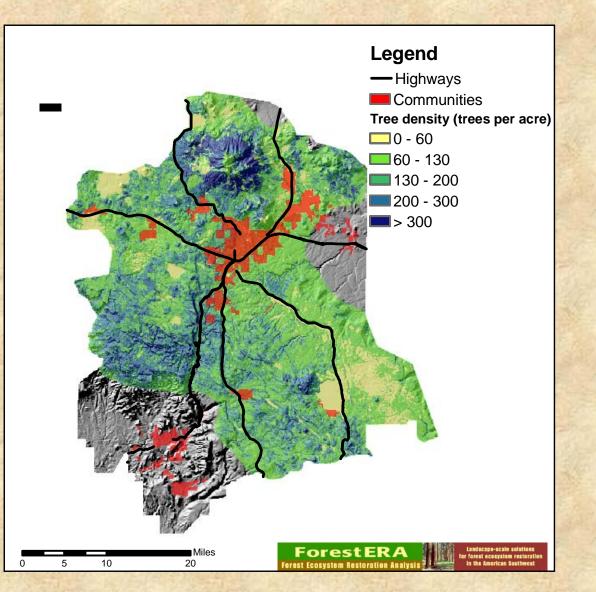
Legend -Highways Communities 1/2 mile buffer ■1.5 mile buffer Miles ForestER 10 20

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Forest Ecosystem Restoration Analysis

Flagstaff CWPP Assessment of current conditions

½ mile buffer
1.5 mile buffer
HFRA WUI definition

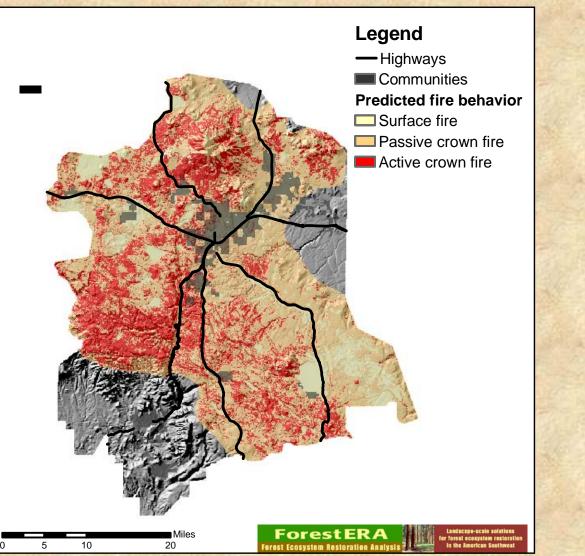


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Forest Ecosystem Restoration Analysis

Flagstaff CWPP Assessment of current conditions

➤Tree density

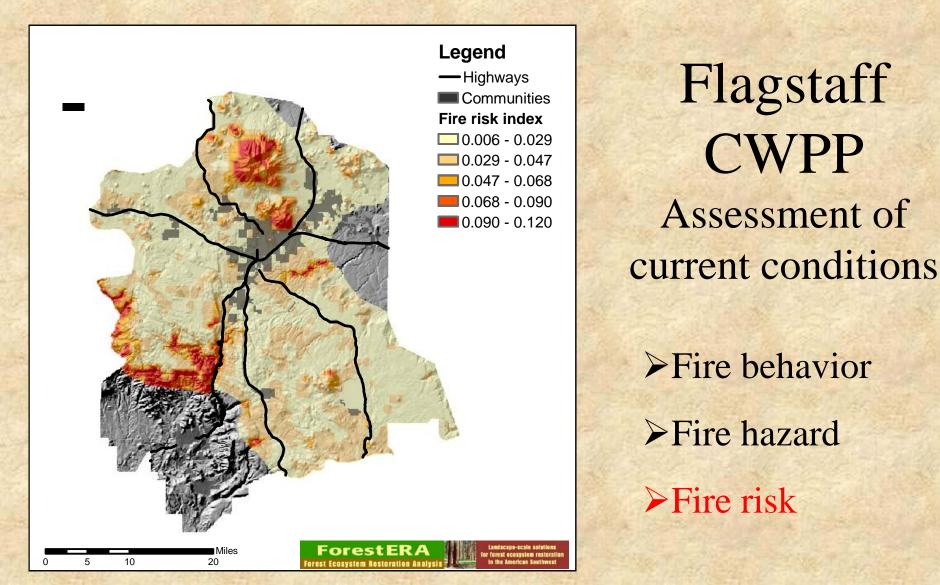


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Forest Ecosystem Restoration Analysis

Flagstaff CWPP Assessment of current conditions

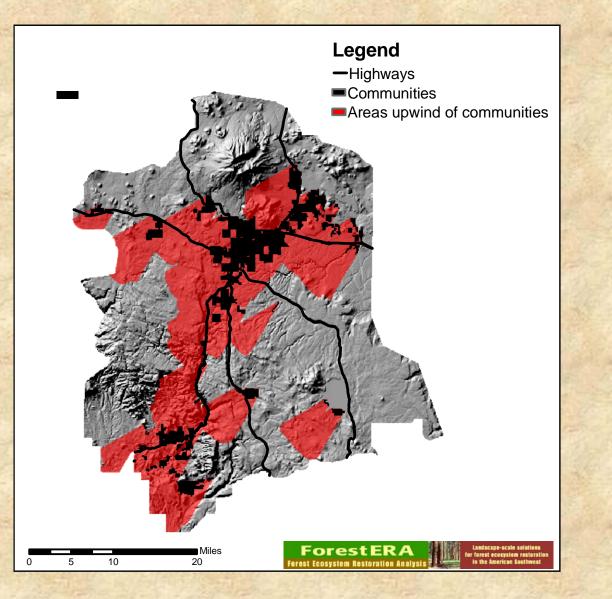
Fire behavior
Fire hazard
Fire risk



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Forest Ecosystem Restoration Analysis

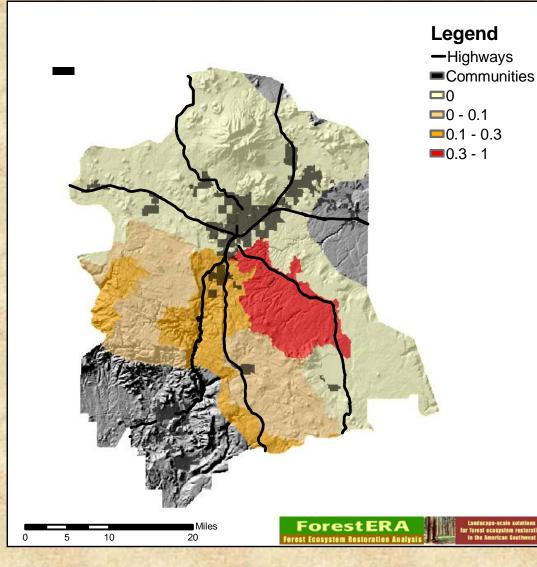
Providing a landscape-scale perspective on ecosystem restoration in Southwest forests



Flagstaff CWPP Assessment of current conditions

Areas upwind of communities

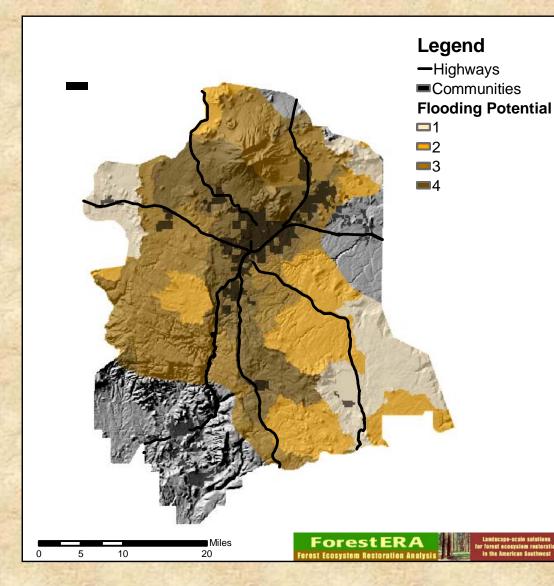
Providing a landscape-scale perspective on ecosystem restoration in Southwest forests



Flagstaff CWPP Assessment of current conditions

➢ Municipal watersheds

Providing a landscape-scale perspective on ecosystem restoration in Southwest forests Forest Ecosystem Restoration Analysis

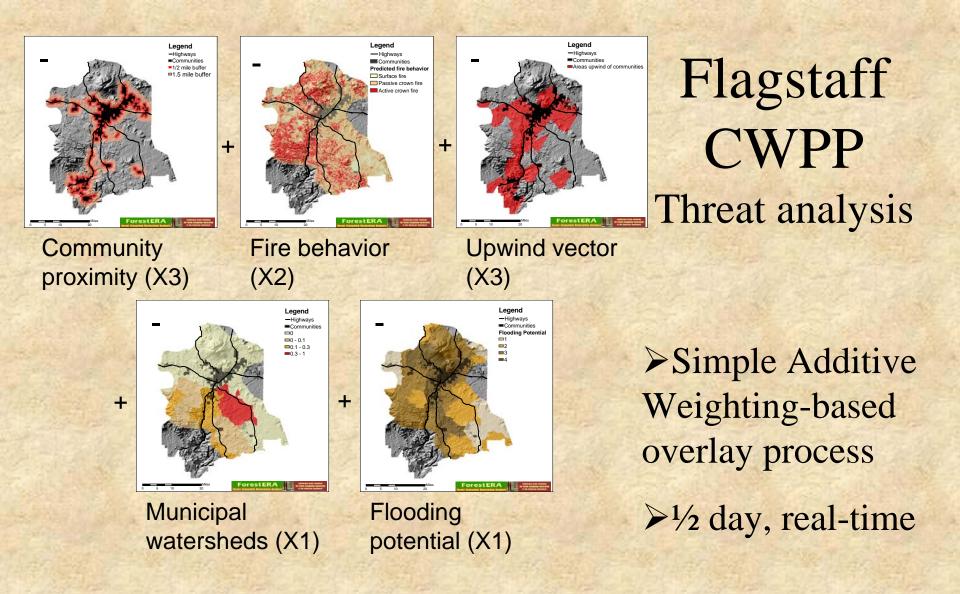


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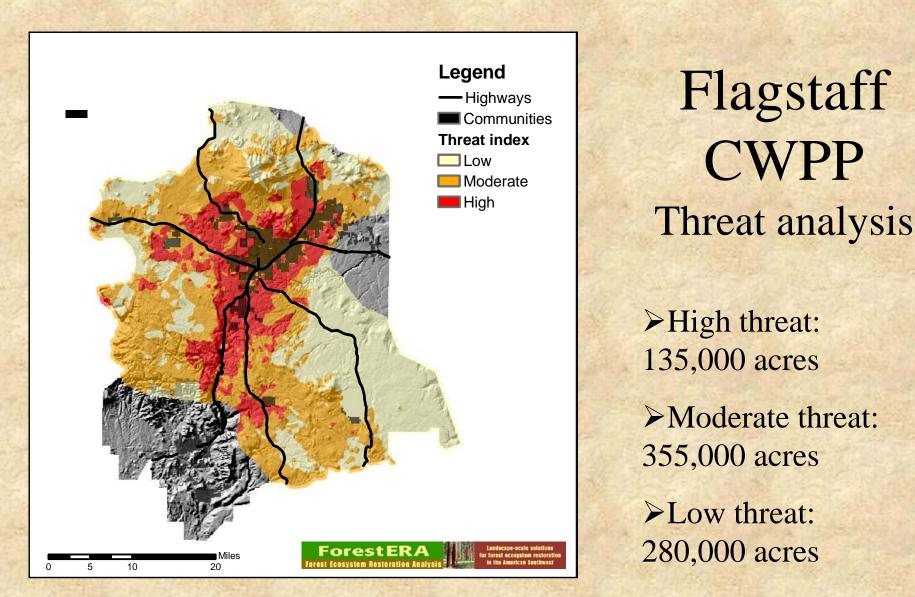
Flagstaff **CWPP** Assessment of current conditions

► Post-fire flooding potential

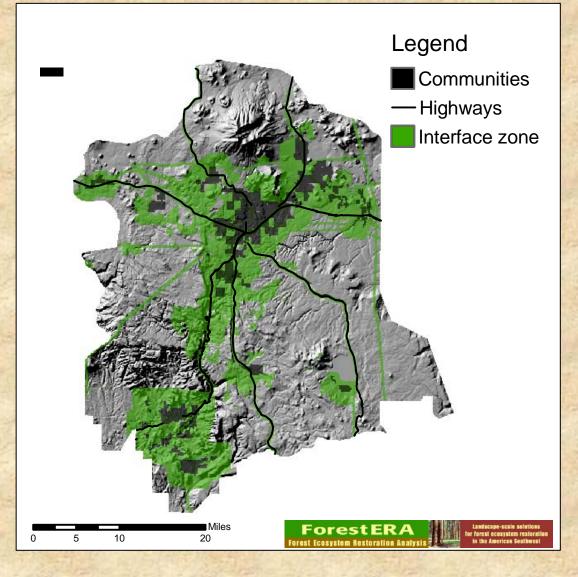
Providing a landscape-scale perspective on ecosystem restoration in Southwest forests



Forest Ecosystem Restoration Analysis
Providing a landscape-scale
perspective on ecosystem
restoration in Southwest forests



Providing a landscape-scale perspective on ecosystem restoration in Southwest forests



Flagstaff CWPP Interface zone

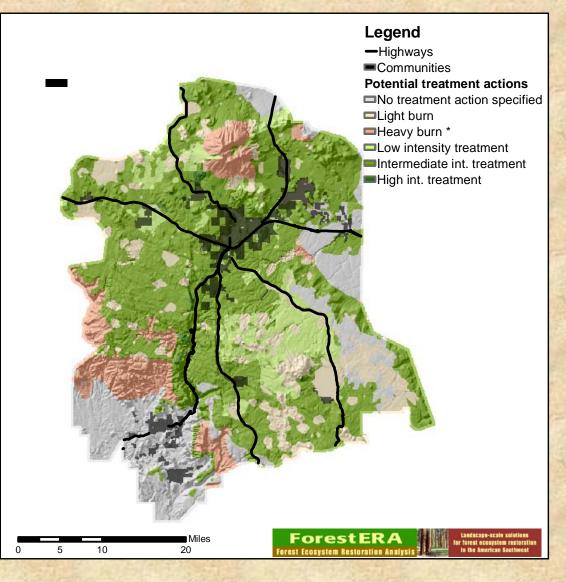
Community protection zones:

■Sedona + O.C. ~ 67,000 +2100 acres

Parks, Mormon Lake, Cosnino ~ 36,000 acres

Infrastructure (1/8 mi.):
 P.L. - 43,000; Hwy - 42,000 acres; Towers - 1300 acres
 TOTAL: 280,655

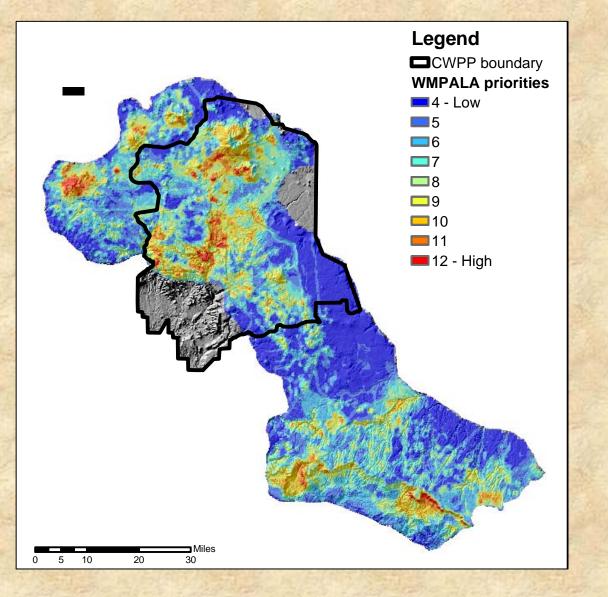
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Flagstaff CWPP Implementation strategies

➢ Facilitated session using CWPP objectives, evaluation criteria, and maps to define management guidelines (1/2 day)

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Flagstaff CWPP Placement within a broader landscape context

>WMPALA priorities

Miles

30

20

10

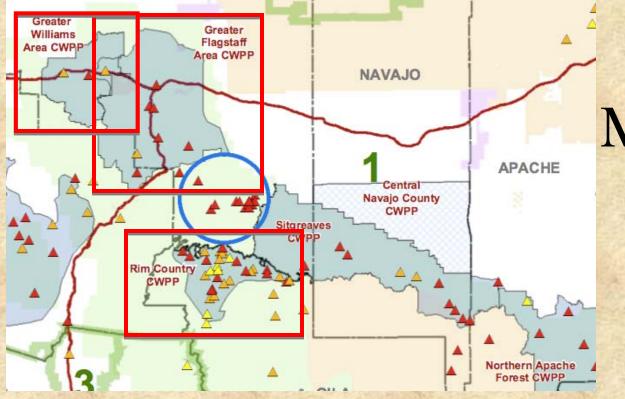
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Legend CWPP boundary Potential management actions No treatment specified Light burn Heavy burn Low intensity treatment Int. intensity treatment High intensity treatment Aspen treatment Prescribed natural fire

Flagstaff CWPP Placement within a broader landscape context

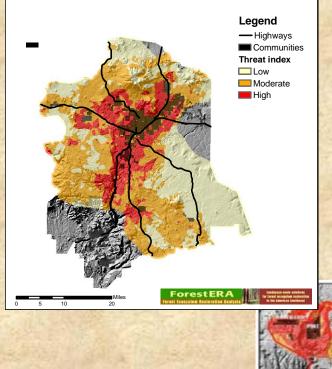
➤WMPALA management actions

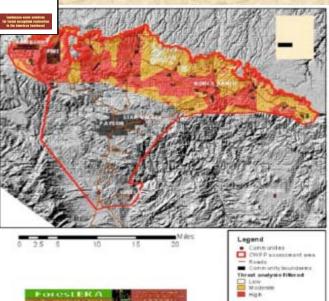
Providing a landscape-scale perspective on ecosystem restoration in Southwest forests



Mogollon Rim CWPPs

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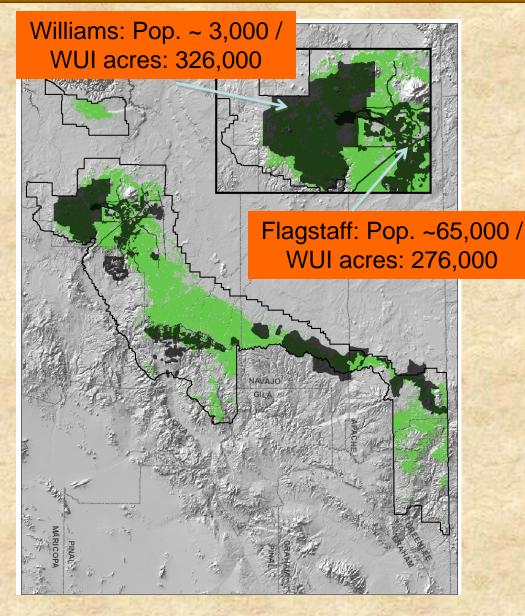


Flagstaff + Rim Country CWPP

Similar datasets

Somewhat similar analysis process, results

Providing a landscape-scale perspective on ecosystem restoration in Southwest forests



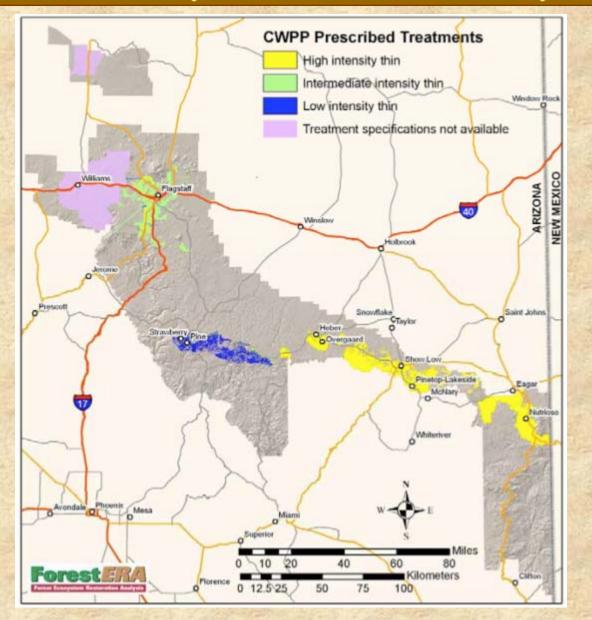
Flagstaff + Williams CWPPs

Dissimilar datasets and analysis process

Dramatically dissimilar results Forest E R A

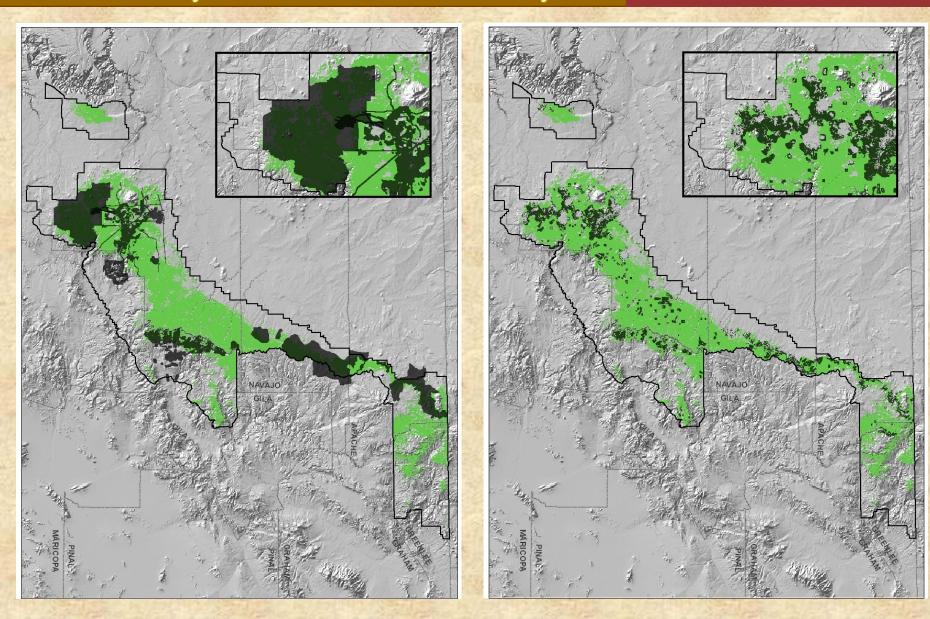
Forest Ecosystem Restoration Analysis

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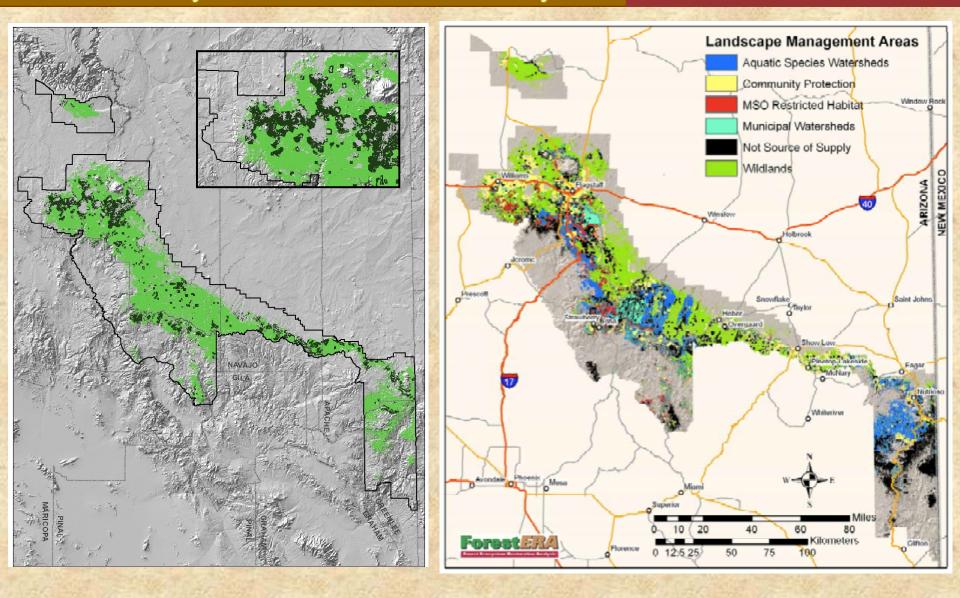


Northern Arizona CWPPs

Providing a landscape-scale perspective on ecosystem restoration in Southwest forests



Providing a landscape-scale perspective on ecosystem restoration in Southwest forests





Lessons learned

- 1. Consistent foundational datasets are necessary
- 1. Partnerships with information providers are very important
- 1. Coordination, communication between communities is difficult but ultimately very helpful
- 1. Scoping out beyond direct WUI/priority zone is helpful