Partnership in Forest Stewardship and Landscape Resilience

Board of Forestry

April 25, 2018





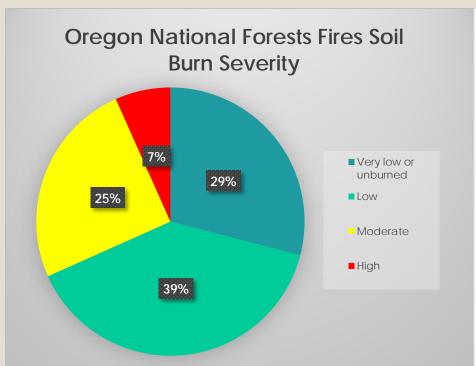
James M. Peña, USDA Regional Forester
Peter Daugherty, Oregon State Forester
Paul Anderson, Pacific NW Research Station

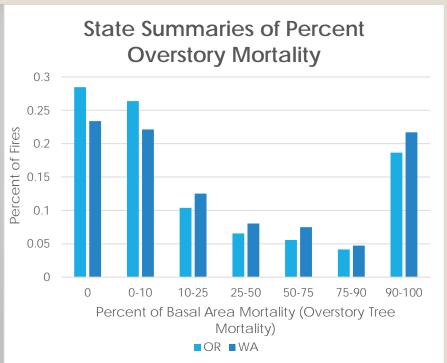
- 40 Consecutive Days at Preparedness Level 5
- 3,404 Fires in the PNW
 - Oregon: 2,042 Fires and 725,600 acres affected
- 126 Large Fires in the PNW, 75 in Oregon
- 10,358 firefighters and support personnel assigned to fires in the PNW at the peak
- 42 assignments for PNW Incident Management teams

Extreme fire behavior examples:

- Chetco Bar Fire made a 6-mile run in one burn period and grew more than 80,000 acres in 48 hours
- Eagle Creek Fire made a 13-mile run overnight, spotted across I-84 and the Columbia River

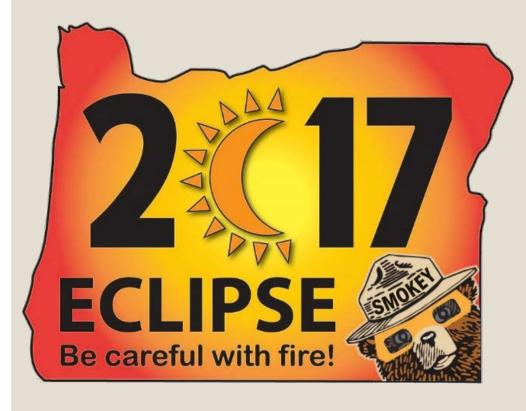
- Significant fire activity on the west side
- Early season, high-elevation, long-duration fires, indicative of drought that Oregon had not recovered from
- Smoke impacted much of the state for weeks, and not just smoke from Oregon fires, but also from British Columbia, Montana and California





- Overall soil burn severity was largely low to moderate across Oregon
- Less than .2% of the acres burned experienced 90-100 tree mortality

2017 PNW Fire Season Successes



- Interagency collaboration, at an all new level:
 - Solar Eclipse preparation
 - Eagle Creek Fire recovery
- No fatalities
- Fewer structures burned than in 2014 or 2015
- Wildland fire is on the radar of our metropolitan areas

2018 USDA Forest Service Chief's Letter



- Improve the wildland fire system to more reliably protects responders and the public, sustains communities and conserves the land.
- Engage our partners and our communities to ensure we are sharing risk upstream, to work towards our shared goals and missions.
- Improve forest and rangeland conditions by working at larger scales and increasing active management.

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2018 USDA Forest Service Chief's Letter



- Set expectations to increase and diversify partnerships that deliver outcomes through shared stewardship.
- Foster innovation and capacity to streamline processes.
- Remain committed to the goals of the National Cohesive Wildland Fire Management Strategy: to create resilient landscapes, fire adapted communities and safe and effective wildfire response that bases decisions on risk analysis.
- Extinguish fire when needed; use fire where allowable; manage our natural resources; and as a nation, live with wildland fire.
 Agenda A

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Fire Funding Fix



- More certainty in our budget
- Reduced risk of fire transfer
- More focus on improving forest health and keeping fires from threatening lives and communities

2018 Fire Season Preparedness



- Forest Service fire personnel in R6: approximately 1600
- Engines: 130
- Type 2 Handcrews: 30
- Interagency Hotshot Crews: 12 (10 FS, 2 BLM)
- Smokejumpers: 80 (target number)
- Rappellers: 130 (target number)
- Helicopters: 17 (14 USFS, 3 BLM)
- Fixed Wing Aircraft: 20
- Airtankers: 2 (1 VLAT and 1 LAT) housed in PNW, but under national contracts so often committed elsewhere
- 8 type 2 IMTs and 2 type 1 IMTs



The Oregon Model





Collaborative Support Increase scale

Project Development Grants

Tech Asst & Science Support

Implementation
Partnership
Increase quality

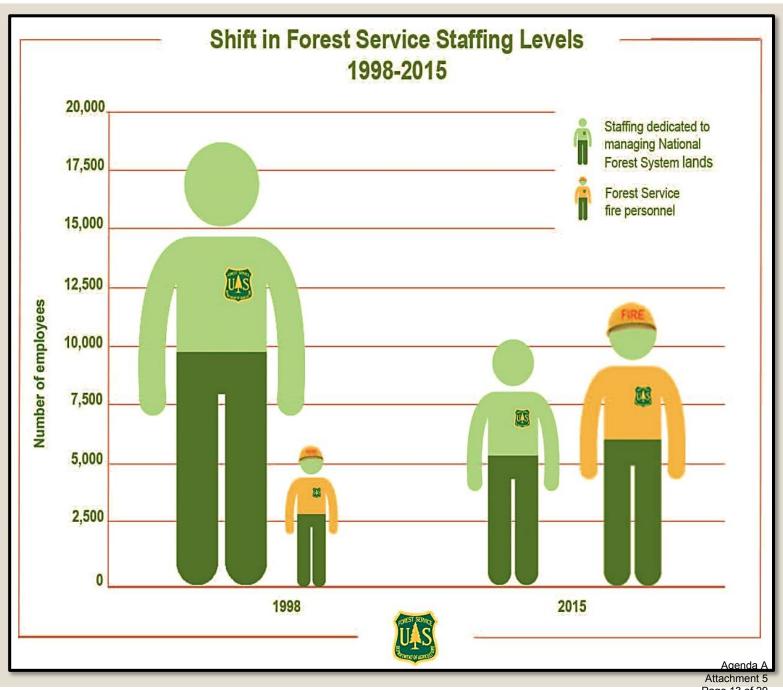
Data Collection

Treatment Unit Layout

Good Neighbor
Authority
Increase pace

Program Income (ie. timber sales)

Restoration Services



HB 4118





Policy Statement:

"It is the policy of the state to pursue projects under the Good Neighbor Authority Agreement that

- Increase timber harvest volume,
- Contribute to job creation,
- Reduce wildfire risks to all lands,
- Improve wildlife habitat and watershed health and
- Stimulate local economies."

Forest Service Priorities





- Uplift and empower employees
- 2. Be good neighbors and excel at customer service
- 3. Promote shared stewardship by increasing partnerships and volunteerism
- 4. Improve the condition of forests and grasslands
- 5. Enhance recreation opportunities, improve access, and sustain infrastructure



GNA in Oregon





- Forest-wide SPAs on
 - 4 National Forests, 1 BLM Unit
- Service SPAs totaling \$1.1M
 - Noncommercial thinning
 - Timber sale layout
- Program Income SPA
 - Paddock Butte Timber Sale
 - Sale Date: May 14th
- HB 4118: pilot to contract small acreage NEPA





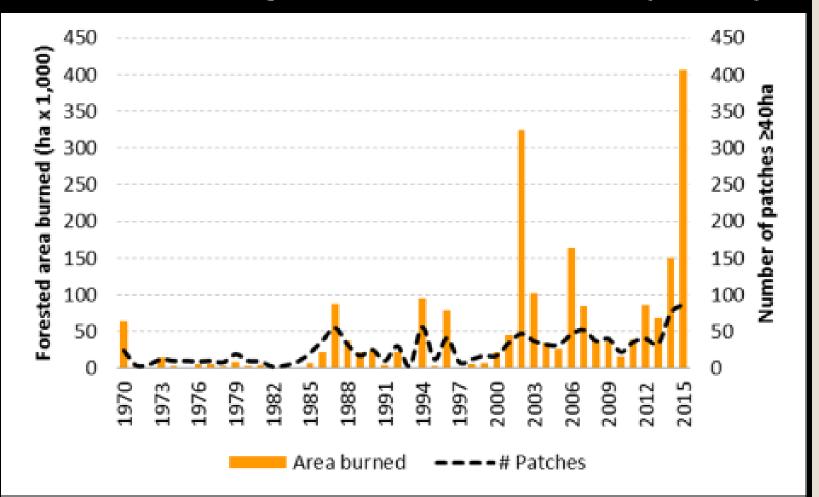
The the PNW Research Station is a leader in the scientific study of natural resources.

We generate and communicate impartial knowledge to help people understand and make informed choices about natural resource management and sustainability.

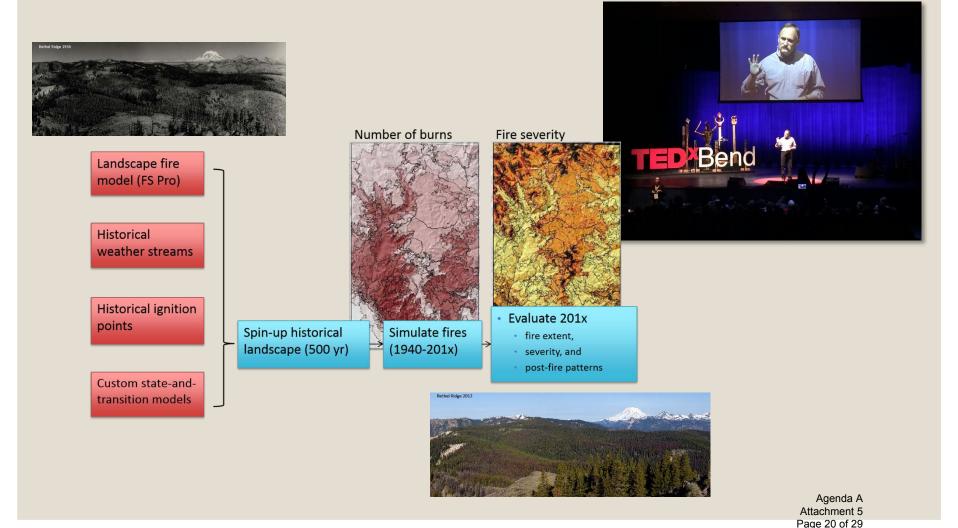


Large Forest Wildfires

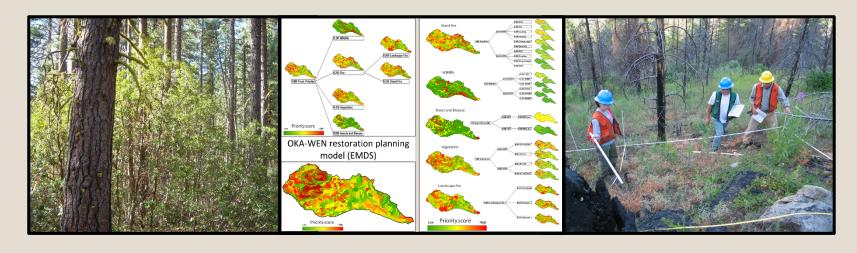
Pacific Northwest Region (Oregon and Washington)
Trend in numbers of large forest wildlfire and total area burned (1970-2015)



Landscape fire modeling – the role of past fire suppression on 21st century mega-fires



Fuels, Fire Behavior, Risk and Smoke





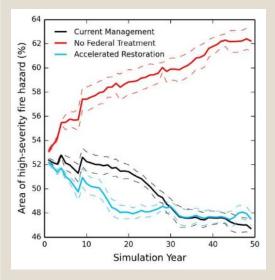
Improved Forest and Landscape Condition

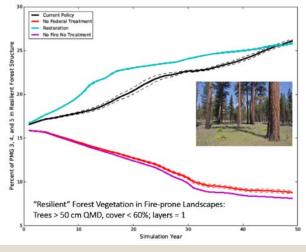


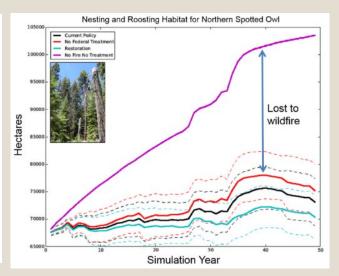






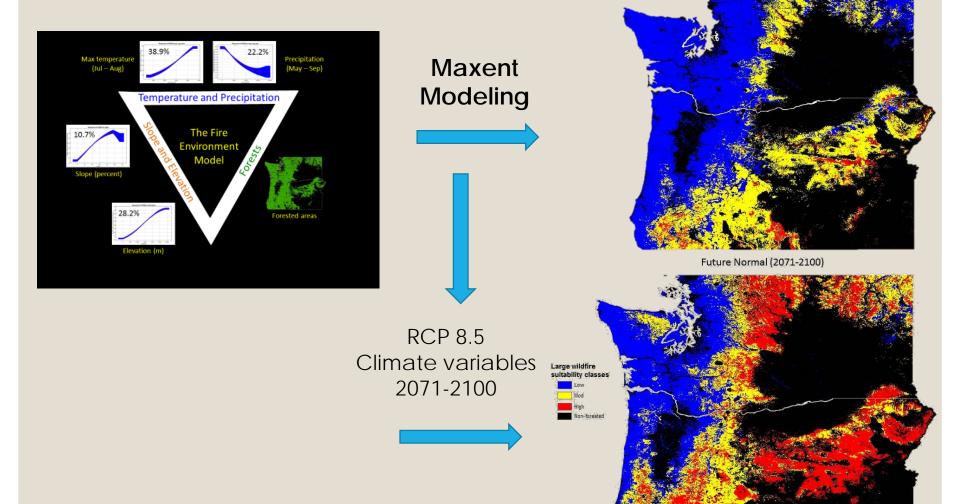






Large Wildfire Modeling

Baseline Model (1971-2000)



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SB 1070: Clean Energy Jobs Bill

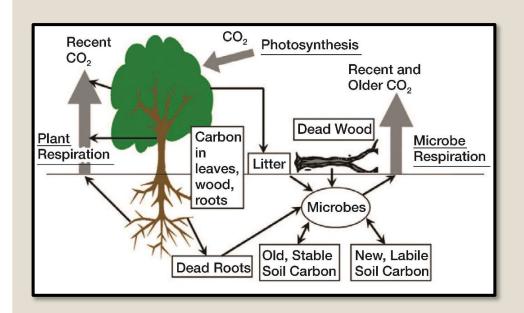
(formerly SB 557 & HB 2135)

Summary

A cap and invest program (CIP) with trading is a **flexible**, **market-based mechanism** that **reduces pollution at low cost**. Regulated businesses must hold permits to pollute (allowances). Allowances are auctioned, **raising proceeds**, and may be traded between regulated entities. This **creates value for reducing climate pollution** by allowing business that can reduce pollution the quickest and fastest to sell (aka, trade) allowances to other businesses that need them. Proceeds can be **reinvested** to further reduce climate pollution, assist industry, create benefits for disproportionately impacted communities, retrain workers, and advance clean economic development.

Bill language:

https://olis.leg.state.or.us/liz/2017R1/Downloads/MeasureDocument/SB1070/Int roduced



AB 1504 California Forest Ecosystem and Harvested Wood Product Carbon Inventory: 2006 – 2015

FINAL REPORT

Glenn A. Christensen, Andrew N. Gray & Olaf Kuegler
U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station

Nadia A. Tase & Mark Rosenberg

California Department of Forestry and Fire Protection, Fire and Resources Assessment Program

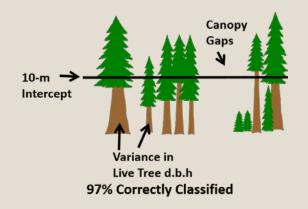
Prepared for:



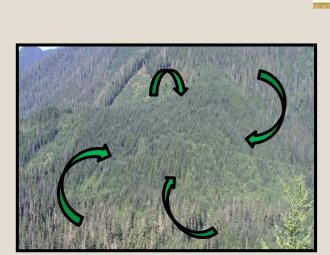


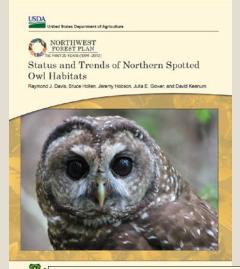
California Department of Forestry and Fire Protection agreement no. 7CA02025

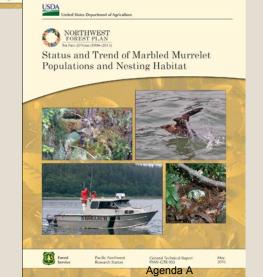
Wildlife: Species, Habitats and Food Webs





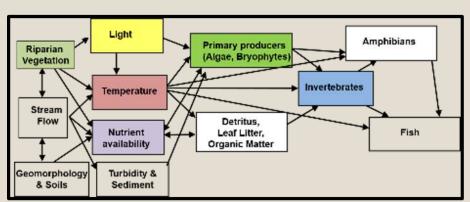






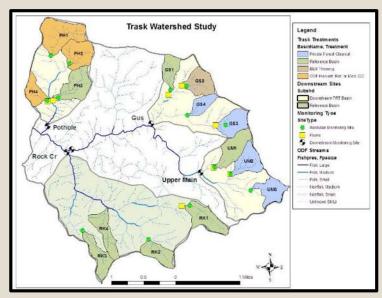
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Aquatic, Riparian and Watershed Resources





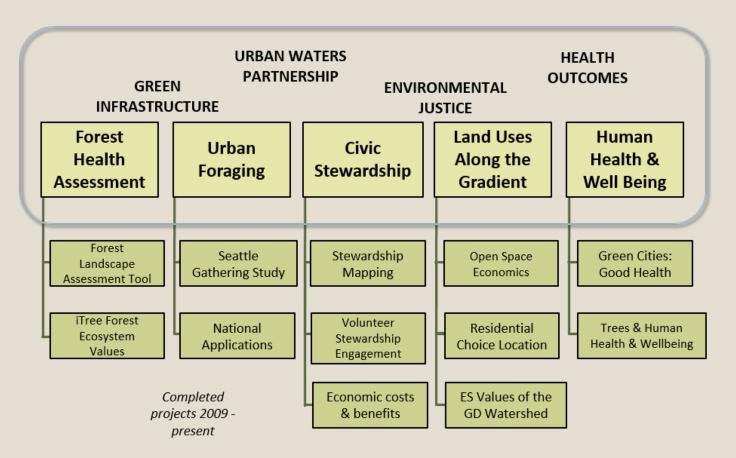




Social License: Caring for the Land <u>and</u> Serving People

Future Applications

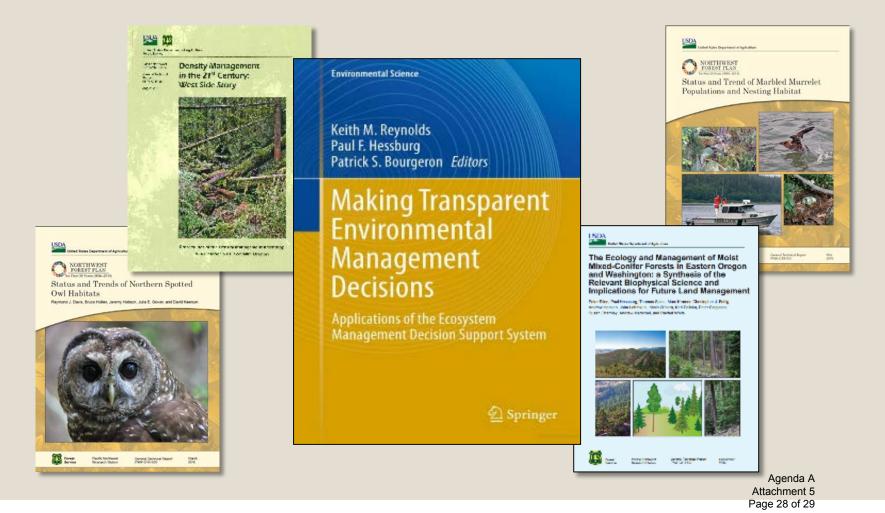
Research Themes and Accomplishments



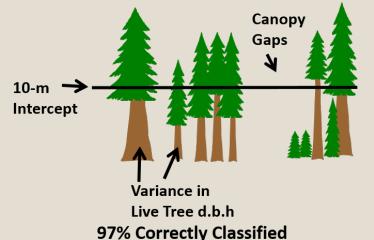
Socio-Ecological Systems & Landscape Gradient

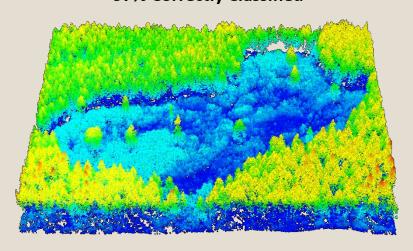
Wolf, 2013

Producing Knowledge and Tools to inform Natural Resources Management and Policy Decisions

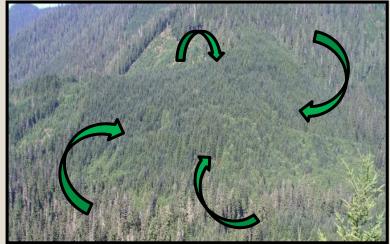


Developing Habitat Management Guidelines at Stand and Landscape Scales









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