



# Senate Natural Resources and Wildfire Recovery

## “Advancing Fire Protection in Oregon”

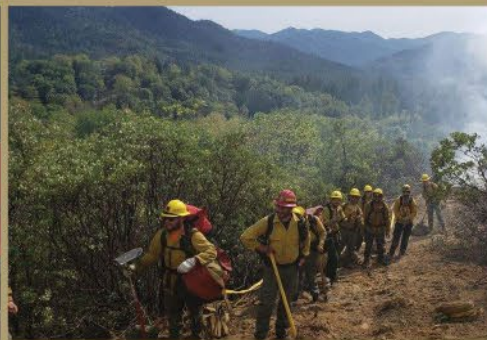
February 22, 2022

Doug Grafe, Governor’s Office - Wildfire Programs Director

Michael Orman, DEQ - Air Quality Section Planning Section Manager

Edwin Flick, DHS - Director - Office of Resilience and Emergency Management

Andre Ourso, OHA - Administrator, Center for Health Protection





# Wildfire Trends in Oregon

Three decades of wildfire – Acres Burned

- 1992-2001: 169,000 acres
- 2002-2011: 327,000 acres
- 2012-2021: 662,000 acres



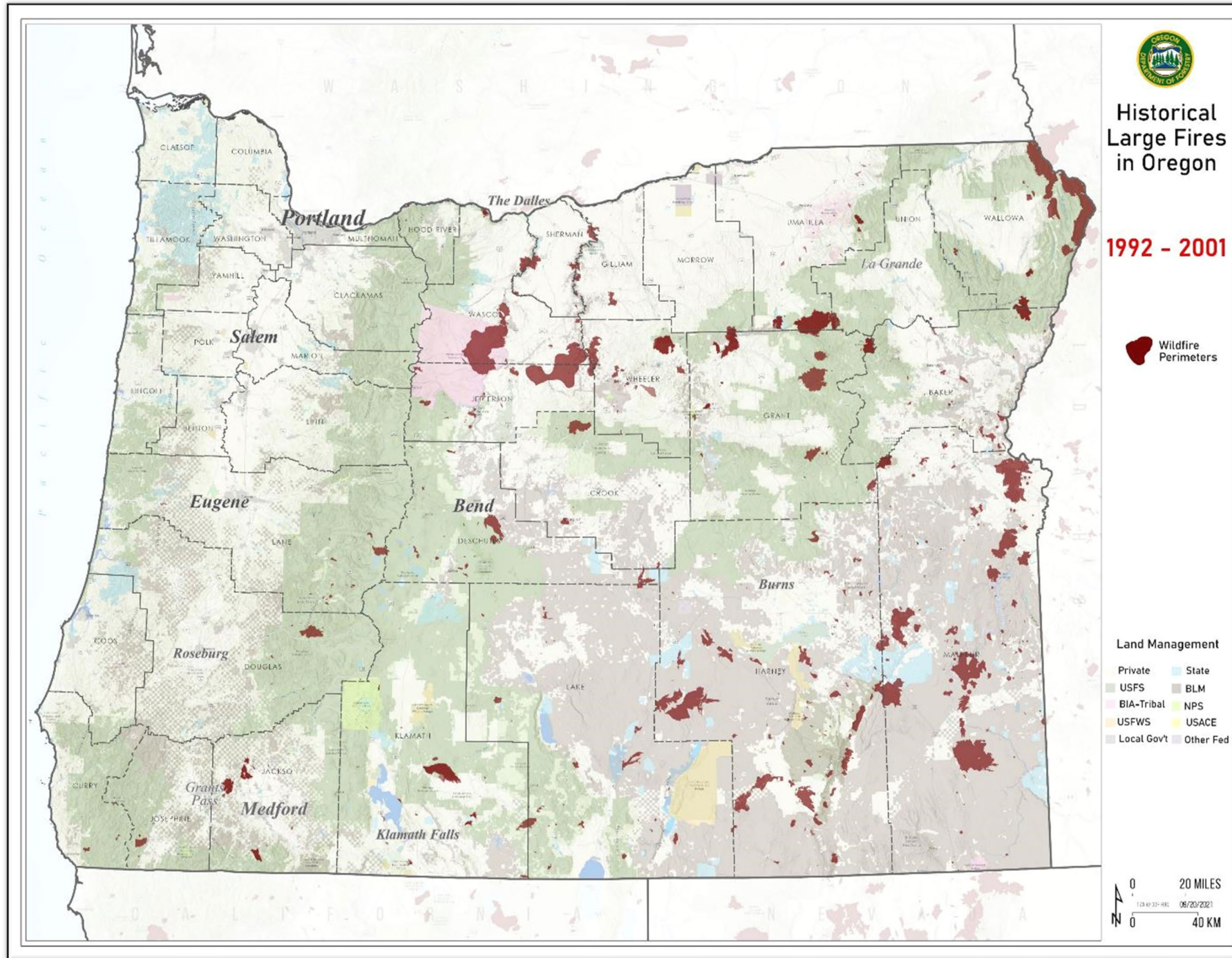
# Historical Large Fires in Oregon

1992 - 2001



## Land Management

- Private
- USFS
- BIA-Tribal
- USFWS
- Local Gov't
- State
- BLM
- NPS
- USACE
- Other Fed





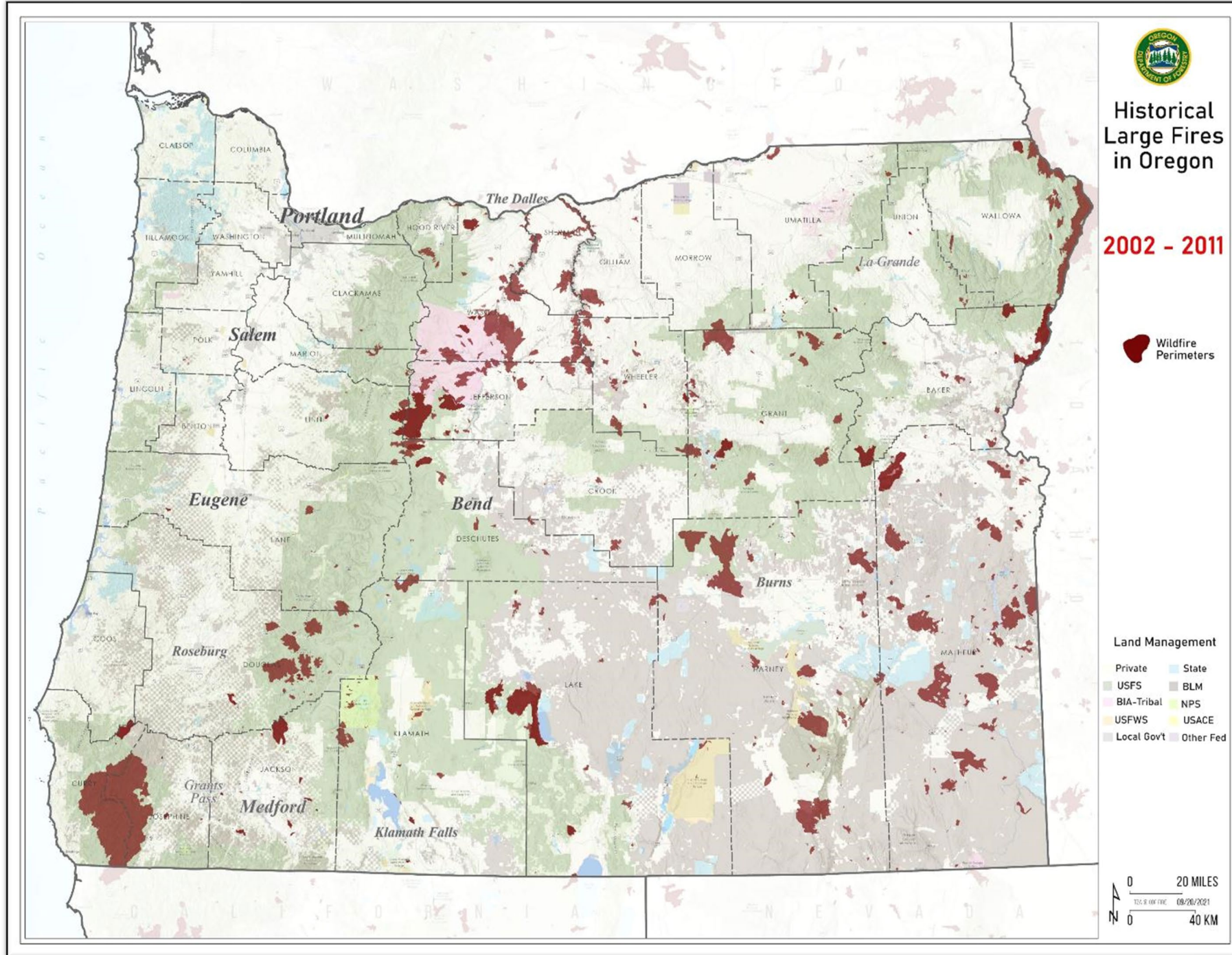
# Historical Large Fires in Oregon

2002 - 2011



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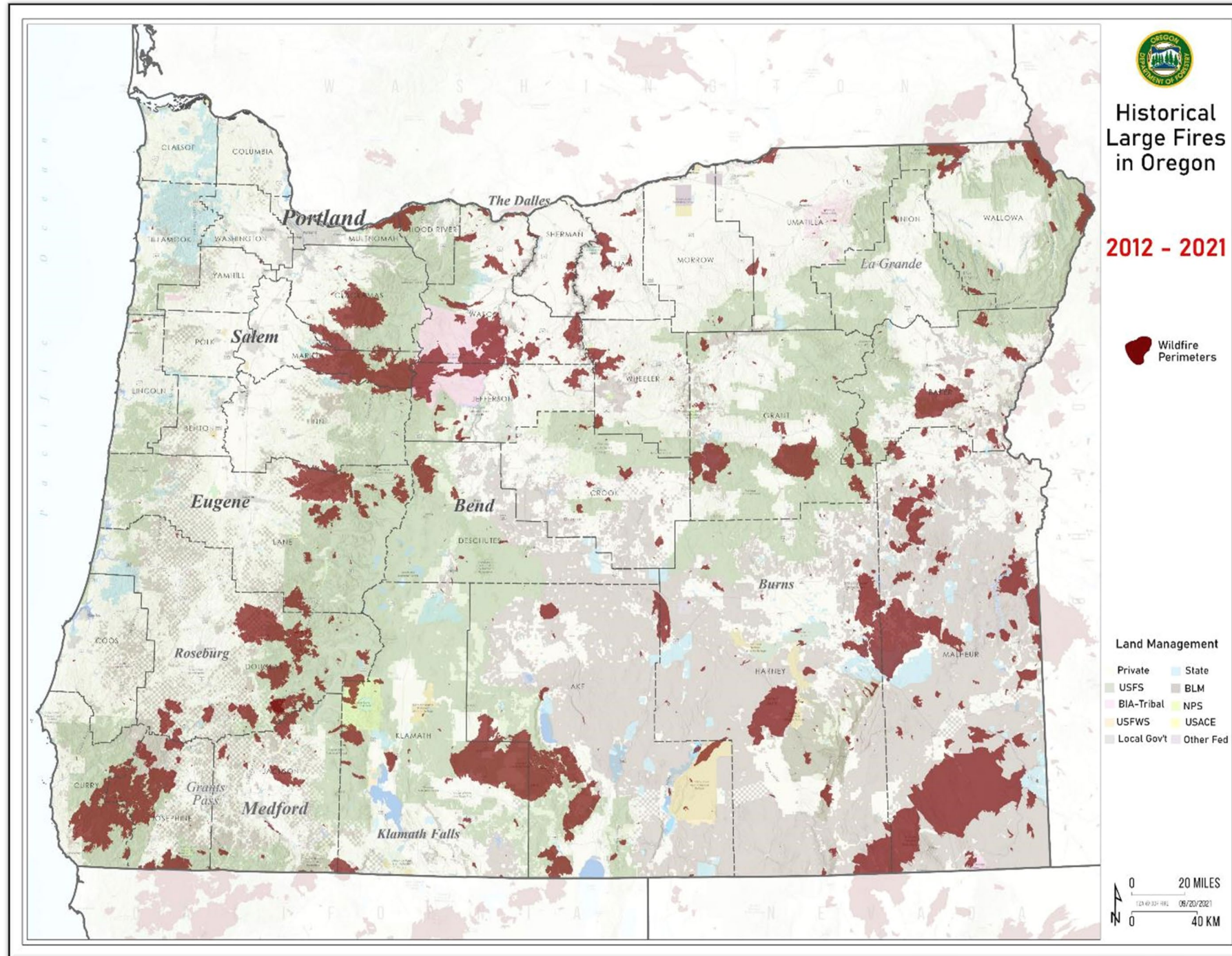
# Historical Large Fires in Oregon

2012 - 2021



## Land Management

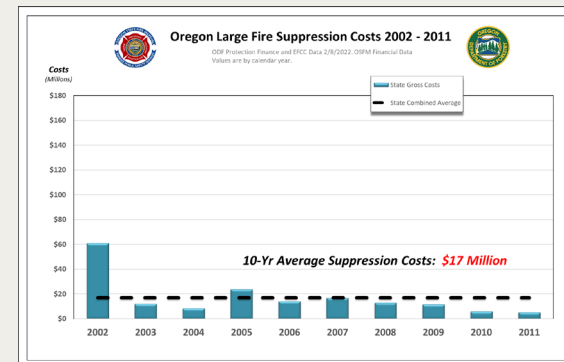
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# The True Cost of Wildfire

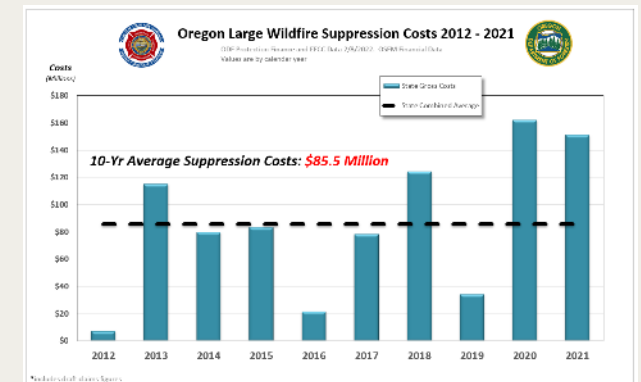
- Significant social, economic, and environmental implications:
  - Losses: Infrastructure, Cultural Resources, Tourism, Smoke and Health Impacts, Transportation & Power Interruptions, Watersheds, Wildlife Habitat, Timber, Agriculture, Recreation .....
  - Recovery: Following the 2020 Labor Day Fires: Oregon Legislature passes HB 5006 - \$480 million
- Studies showing over 10X the costs of suppression
  - Headwater Economics: Suppression at 9% of total
  - Western Forestry Leadership Coalition: 2-30X
  - National Institute of Standards & Technology: 2-50X

Suppression Costs increase - 5x



**\$17 Million Avg.**  
2002-2011

**\$85 Million Avg.**  
2012-2021

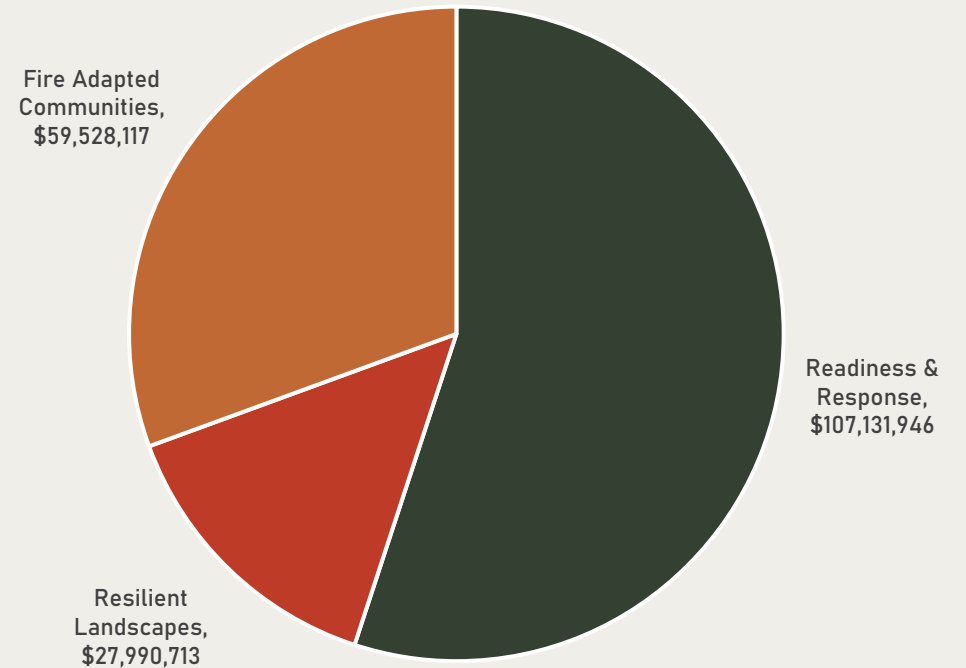




# Oregon Takes Action

- 2019: Governor's Council on Wildfire Response
  - Over 100 Volunteers produce 37 recommendations
  - Anchored in the National Cohesive Wildfire Strategy:
    - Adequate Response
    - Resilient Landscapes
    - Fire Adapted Communities
- 2021: Oregon Legislature passes Senate Bill 762
  - \$195 million investment
  - Creates the Wildfire Programs Director and Advisory Council

SB 762 Investment Distribution (\$195 Million)  
National Cohesive Wildfire Strategy - Tenants





# Advancing Wildfire Protection in Oregon

## *Implementation Oversight*

- **State Wildfire Programs Director**

(Oversees Implementation & Recommends Future Advances)

- Department of Consumer and Business Services
- Department of Environmental Quality
- Department of Human Services
- Department of Land Conservation and Development
- Higher Education Coordinating Commission
- Office of the Oregon State Fire Marshal
- Oregon Department of Forestry
- Oregon Emergency Management
- Oregon Health Authority
- Oregon State University
- Public Utility Commission

- **Wildfire Programs Advisory Council**

[Web Link: State of Oregon: Policy Offices - Wildfire Programs Advisory Council](#)

- 19 members appointed by Presiding Officers
- Advise Wildfire Programs Director
- Quarterly Public Meetings
- Monitor & Assess Implementation Activities
- Annual Report to Legislature and Governor
  - Progress on defensible space, building codes, land use and community emergency preparedness
  - Recommends improvements





# Advancing Wildfire Protection in Oregon

## *Program Development and Implementation*

- **Readiness & Response (\$107 million)**

- ODF - Suppression Capacity: Aviation, Engines, Equipment & Personnel
- OSFM - Personnel & Suppression Capacity pass through to Local Fire Service (Engines, Equipment)
- PUC - Electrical Power Utilities
- OEM - Emergency Planning
- ODF - Baseline Protection Standards
- ODF, OSU - Wildfire Risk Mapping
- ODF - Wildfire Detection Camera System

- **Fire Adapted Communities (\$60 million)**

- OSFM - Defensible Space Standards
- OSFM - Community Risk Reduction Program
- DCBS - Hardening of Homes
- DLCD - Land Use Recommendations
- DEQ - Community Smoke Response Plans
- DEQ - Advanced Smoke Monitoring
- DHS - Public Smoke Sheltering
- OHA - Residential Smoke Filtration
- HECC - Conservation Corps Program & Grants

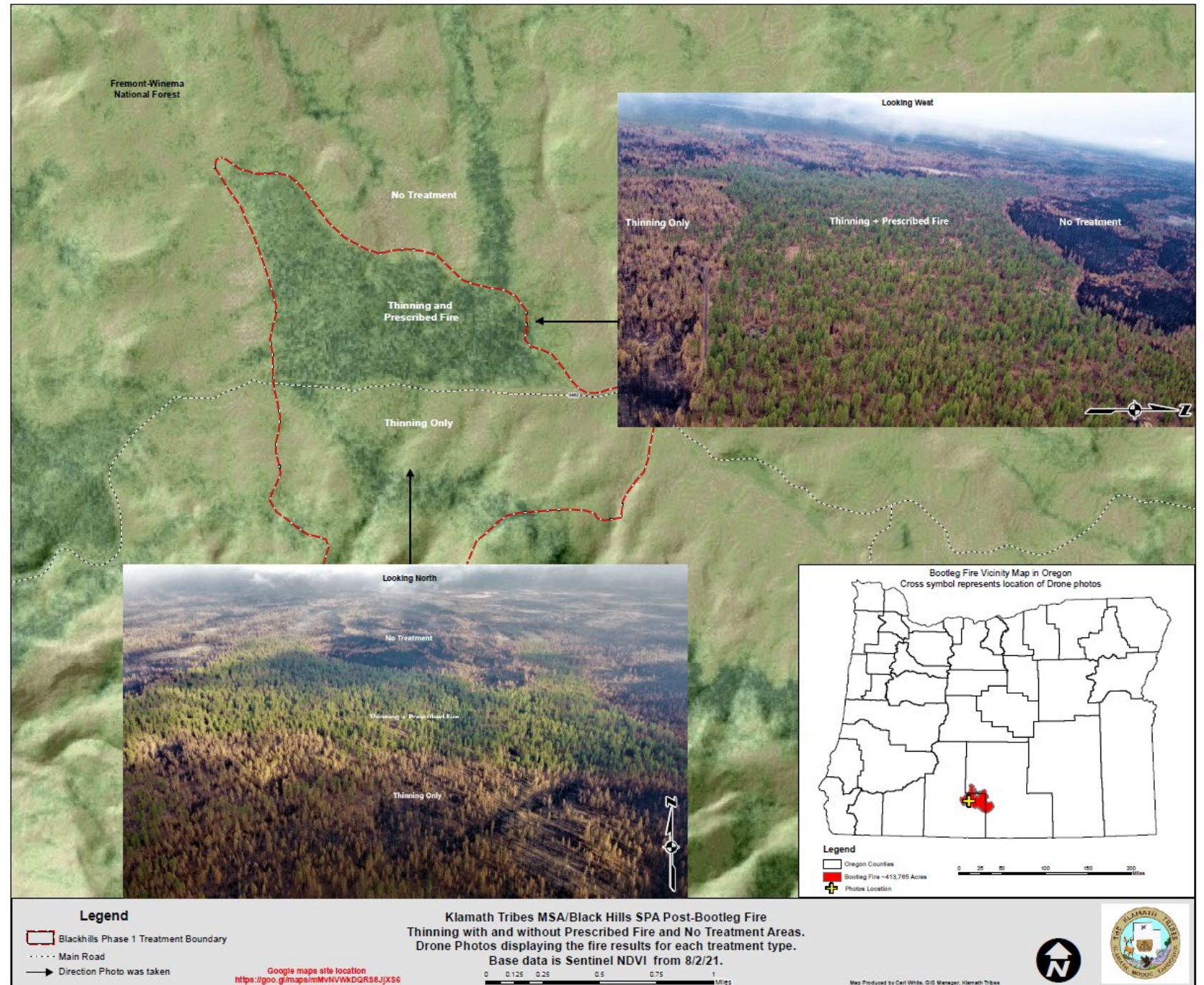
- **Resilient Landscapes (\$28 million)**

- ODF - Wildfire Risk Reduction Grant Program
- ODF - Small Woodlands Grant Program
- ODF - Prescribed Fire Program

# Federal Infrastructure Investments

## “Landscape Resiliency”

- Treatments Mitigate Catastrophic Wildfire Risk
- Provides for Fire Fighter Safety & Community Safety
- Restores Ecological Function
- Requires:
  - Sustained Funding and Continued Maintenance
  - Prescribed Burning and Smoke Mitigation
  - Cross-boundary Collaboration





# Department of Environmental Quality Air Quality Section

- Recruitment of LD positions continues.
- Five new smoke monitors planned for deployment before 2022 wildfire season.
- All community smoke mitigation grant funding will be awarded by end of March

- Smoke mitigation:
  - Biomass Utilization
  - Emissions reductions from other sectors
  - Coordination with partner agencies on outreach and communication



# Department of Human Services: Mass Care

- SB 762 (2021 Reg) created ORS 431A
- SB 1533 seeks to amend to include Tribal Nations and School as eligible candidates
- SB 1536 seeks to add \$2M to grant funds for heating and cooling systems


**OMNITEC**  
DESIGN, INC.

### Negative Air Machine

- 115VAC

*Compact unit is easy to set up and delivers the performance of full-size models.*

This HEPA air scrubber features 2-speed operation and comes with a 99.97% HEPA filter and a 2-stage pre-filter. Model can filter up to 0.3µ and is suitable for use against asbestos, lead, and mold.



Filtration	Air Flow with HEPA Filter	HP	Amps	Mfr. Model	Item No.
HEPA	1000 to 2000 cfm	1 ½ hp	13.8 A	OA2200C	<b>49K230</b>

- DHS testing mobile deployable air scrubbers that can be easily attached to any building to force cleaner air into a space as large as a gymnasium
- No applicants yet
- Efforts to promulgate to local governments will redouble in March



# Oregon Health Authority

## Residential Smoke Filtration:

- Placing an order for an initial batch of 2,500 devices with replacement filters.
- OHA has warehouse space ready for receipt and are planning and identifying secondary methods of distribution of devices so they can be placed in eligible homes.
- Defining individuals' eligibility, both geographically and by health
- Estimated needs/program sustainability



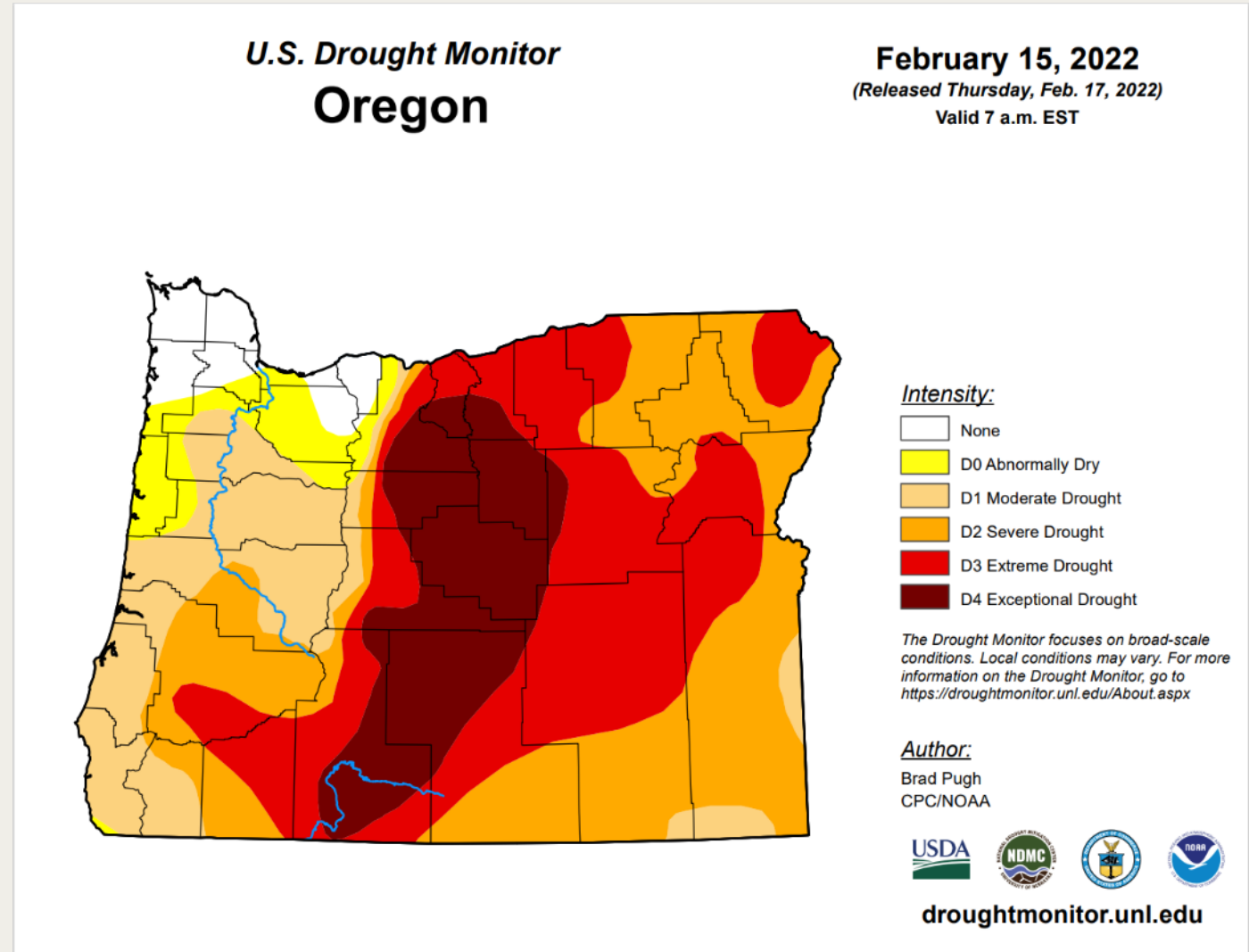


## Emerging Themes for Future Advancements 2023-2025 Biennial Budget, 2023 Regular Session

- Sustained Program Funding
- Emergency Fire Funding Fix
- Prescribed Fire Liability
- Wildfire Prevention Laws
- Property Insurance Affordability
- Durable Recovery Programs
- Leveraging Partnerships
  - Infrastructure Investment & Jobs Act

# 2022 Fire Season Readiness

- Exceptional drought driving current fire risk
- January 2021 Eboard
  - Special Purpose Appropriation for ODF Severity Program \$5 million – “not” carried forward
  - Landscape Resiliency and Community Risk Reduction Investments – carried forward.





# Thank you

Doug Grafe, Wildfire Programs Director

Office of Governor Kate Brown

[doug.c.grafe@oregon.gov](mailto:doug.c.grafe@oregon.gov), Cell: (503) 689 2040

