

# Eugene / Springfield Fire

## Urban Interface Fire Plan



# METRO AREA FIRE ZONES

- BLANTON
- BRAE BURN
- DILLARD
- EAST THURSTON
- KELLY BUTTE
- MOE HILL
- MOON MOUNTAIN
- QUARRY BUTTE
- SOUTH 28<sup>TH</sup>
- SOUTH WILLAMETTE
- TIMBERLINE
- WEST THURSTON
- WILLAGILLESPIE
- WILLOW CREEK



# STRUCTURAL TRIAGE

- The structural triage form assists fire crews working outside of the initial area of fire involvement.
- Identifying hazards, obstacles, and defensible space helps fire managers position resources and develop Incident Action Plans.
- Homes are evaluated based on potential fire spread, access, and overall “defendable space”

**STRUCTURAL TRIAGE CHECKLIST**

INCIDENT / CONFLAGRATION NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ STRUCTURE ( ) of ( )  
 GPS COORDINATES \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

| DRIVEWAY                            |    | ROOF                                 |    |
|-------------------------------------|----|--------------------------------------|----|
| Too Narrow or Steep to back in      |    | Already Involved in Fire             |    |
| YES                                 | NO | YES                                  | NO |
| Branches overhanging driveway       |    |                                      |    |
| Down dead fuels line driveway       |    |                                      |    |
| ****IF RED / YES - UNDEFENSIBLE**** |    | *** IF RED / YES - UNDEFENSIBLE **** |    |

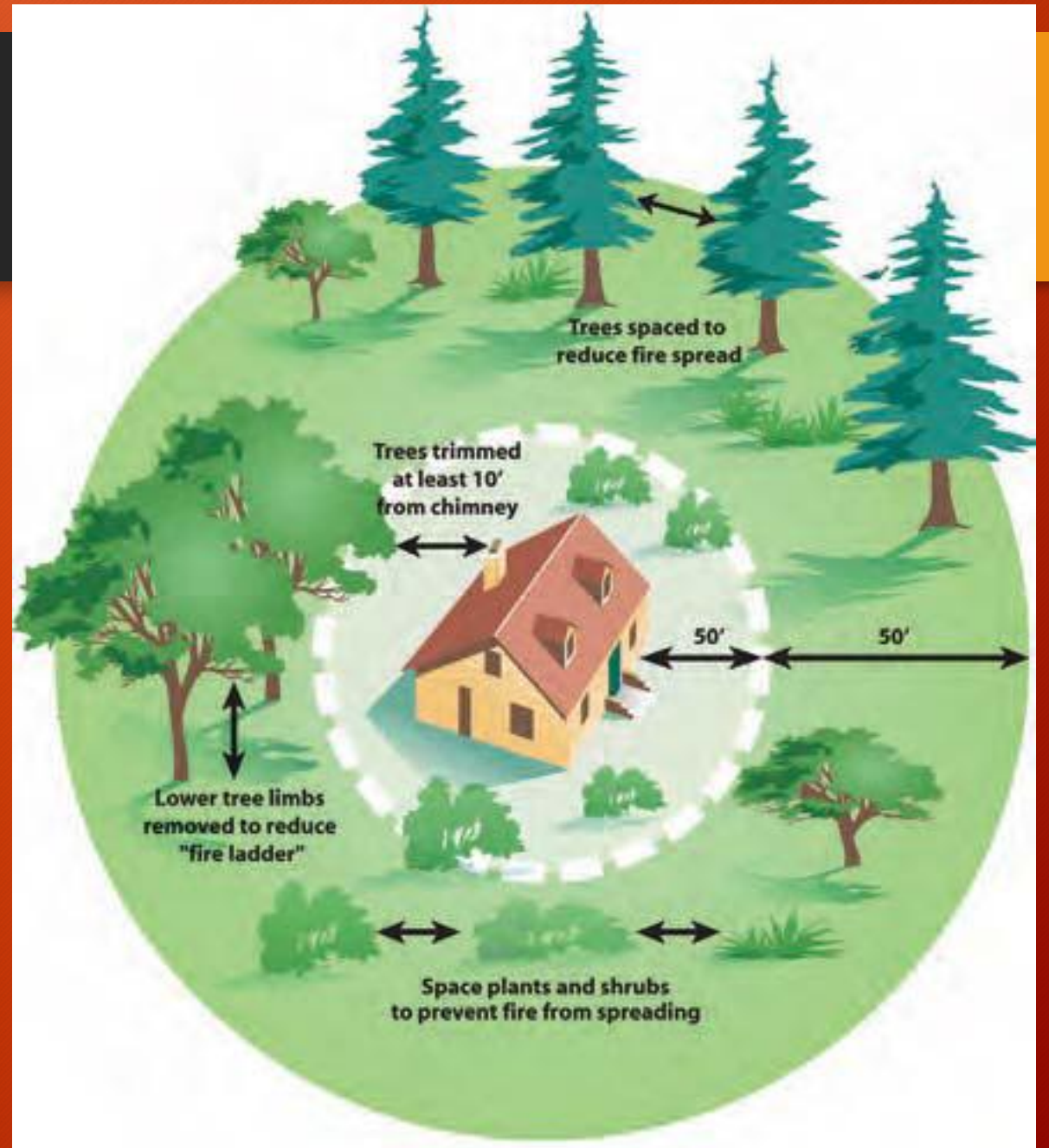
|   |        |  |
|---|--------|--|
| DRIVEWAY - Dead End or longer than 200 feet                     | YES NO | <b>STRUCTURE TYPE</b><br><input type="checkbox"/> Single Story<br><input type="checkbox"/> Two Story<br><input type="checkbox"/> Wood Frame <input type="checkbox"/> A Frame<br><input type="checkbox"/> Log Home <input type="checkbox"/> Other<br><input type="checkbox"/> Full Time Residence<br><input type="checkbox"/> Vacation Home<br><input type="checkbox"/> Out Building<br><input type="checkbox"/> Business<br><input type="checkbox"/> Govt. Building<br><input type="checkbox"/> Other Hazards;<br>_____<br>_____ |
| ROOF - COMBUSTIBLE - (Asphalt Shingles or Wood)                 | YES NO |  |
| ROOF - WOOD SHAKES  | YES NO |  |
| TREES - Overhanging Roof  | YES NO |  |
| TREES / BRUSH - NOT Thinned in area within 30 feet of structure | YES NO |  |
| VEHICLES - Parked Outside within 30 feet of Structure           | YES NO |  |
| SLOPE - More than 20% anywhere within 30 feet Of Structures     | YES NO |  |
| SLOPE - More than 40% anywhere within 30 feet Of Structures     | YES NO |  |
| DECK / STILT - Not enclosed underneath ( to ground)             | YES NO |  |
| POWER LINE - Overhead within 30' of Structure                   | YES NO |  |

# Defendable Space

- Live fuels
- Dead fuels
- Location of fuels
- Size of fuels
- Concentration of fuels
- Distance of fuels
- Materials contributing to fire spread
- Hazardous fuels, tanks etc



\* Defendable space is the required space between a structure and the wildland area that under normal conditions, creates a sufficient buffer to slow or halt fire spread.



# Ready, Set, Go...



# Ready, Set, Go

- Prepare your home to give it the best defense against a wildfire.
- Know your plan in the event of an evacuation.
- When its time to leave, LEAVE. Know where you are going.






# Evacuation Plan

- 3 Levels of evacuation.
- Have a “Go Bag” ready
- Have destinations established
- Know your escape routes and have alternatives.





**LEVEL 1:** A Level 1 Evacuation means “**BE READY**” for potential evacuation. Residents should be aware of the danger that exists in their area, monitor emergency services websites and local media outlets for information. This is the time for preparation and precautionary movement of persons with special needs, mobile property and (under certain circumstances) pets and livestock. If conditions worsen, emergency services personnel may contact you via an emergency notification system.



**LEVEL 2:** A Level 2 Evacuation means “**BE SET**” to evacuate.

**YOU MUST PREPARE TO LEAVE AT A MOMENTS NOTICE**

This level indicates there is significant danger to your area, and residents should either voluntarily relocate to a shelter or with family/friends outside of the affected area, or if choosing to remain, to be ready to evacuate at a moment’s notice.

Residents **MAY** have time to gather necessary items, but doing so is at their own risk.

**THIS MAY BE THE ONLY NOTICE THAT YOU RECEIVE**

Emergency services cannot guarantee that they will be able to notify you if conditions rapidly deteriorate. Area media services will be asked to broadcast periodic updates.

A sunset over a mountain range with a yellow bar on the right side.

**LEVEL 3:** A Level 3 Evacuation means “**GO**” Evacuate NOW  
LEAVE IMMEDIATELY!

Danger to your area is current or imminent, and you should evacuate immediately.

If you

choose to ignore this advisement, you must understand that emergency services may not

be available to assist you further. **DO NOT** delay leaving to gather any belongings or

make efforts to protect your home.

**THIS WILL BE THE LAST NOTICE THAT YOU RECEIVE**

Entry to evacuated areas may be denied until conditions are safe.

Area radio and TV stations have been asked to broadcast periodic updates.

# Presentation Outline

- Cover Mutual Aid in Lane County
- Conflagration Process
- Conflagration Funding
- 2017 Fire Costs
- California Fire Costs
- South Ridgeline Fuels Reduction Process

# Lane County Fire Defense Board

Made up of 22 different fire agencies in Lane county

Each chief represents their district.

Mutual Aid agreements among all agencies including Oregon Department of Forestry

Mutual aid is like for like and usually does not extend past 12 hours.

Benton and Linn County have an agency each who mutual aid into Lane.



# Mutual Aid covers all Hazards and EMS



## EMS

Lane County Chapter 18 requires Mutual Aid for Ambulances



## Fires Responses

Mutual Aid across the county.

Made on request. Fire Defense board Chief or Designee will assist



## All Hazards

Local response

State of Oregon Regional Team.

Water Rescue

USSAR

# 2017 Conflagrations





# Conflagration Act

- Emergency Conflagration Act (ORS 476.510 to 476.610 and 476.990(4)) gives OSFM authority to mobilize local structural firefighting resources
- The Conflagration Act is only used for fires that involve or threaten life and structures
- Invoked only by the Governor and allows the State Fire Marshal to mobilize firefighters and equipment from around the state



## CONFLAGRATION REQUEST FLOWCHART

**INCIDENT BEGINS**

**AS INCIDENT ESCALATES, MUTUAL AID IS CALLED IN.  
LOCAL DEPUTY STATE FIRE MARSHAL IS NOTIFIED**

**INCIDENT CONTINUES TO ESCALATE. FIRE DEFENSE BOARD CHIEF IS NOTIFIED. LOCAL  
FIRE CHIEF BEGINS PART I OF CONFLAGRATION REQUEST FORM WITH ASSISTANCE  
FROM DEPUTY SFM**

**MUTUAL AID IS DEPLETED. LOCAL CHIEF  
DECIDES TO REQUEST CONFLAGRATION  
AND NOTIFIES FDBC**

**LOCAL CHIEF FAXES PART I OF  
CONFLAGRATION REQUEST FORM TO  
OSFM AT (503) 373-1825. FDBC  
NOTIFIES OERS OF CONFLAGRATION  
REQUEST AT 800-452-0311**

**OERS NOTIFIES OSFM. OSFM REPRESENTATIVE SETS UP CONFLAGRATION REQUEST  
CALL WITH LOCAL CHIEF AND/OR FDBC TO GO OVER INFORMATION IN PART I**

**OERS NOTIFIES OSFM. OSFM REPRESENTATIVE SETS UP CONFLAGRATION REQUEST CALL WITH LOCAL CHIEF AND/OR FDBC TO GO OVER INFORMATION IN PART I**

**OSFM CONTACTS GOVERNOR TO REQUEST CONFLAGRATION. MEANWHILE, LOCAL CHIEF BEGINS PART II OF CONFLAGRATION REQUEST FORM**

**IF CONFLAGRATION IS ENACTED, OSFM CONTACTS FDBC AND LOCAL CHIEF TO SET UP INCIDENT ACTIVATION CALL. LOCAL CHIEF FAXES PART II TO OSFM AT (503) 373-1825**

**PART II IS DISCUSSED DURING INCIDENT ACTIVATION CALL. "CONFLAGRATION REIMBURSEMENT TIME" DETERMINED**

**IMT AND OTHER RESOURCES ARE MOBILIZED. LOCAL CHIEF COMPLETES PART III OF CONFLAGRATION REQUEST FORM TO GIVE TO IMT UPON ARRIVAL**

## **SECTION 1: COMPLETING THE FORM**

The Conflagration Request Form consists of three parts. Each part will be filled out independently of the others and has a specific purpose during the progression of the incident.

## 1. COMPLETE INCIDENT INFORMATION:

- **Incident Name/Number:** the name given to the incident or OERS number, if applicable
- **Date/Time:** enter the date and time you begin filling out PART I of this form
- **Incident Location/Community/County Threatened:** answer to the best of your ability based on current incident location
- **Authority Having Jurisdiction:** please list authority or authorities with jurisdiction over current incident location
- **Local Fire Department Contact:** name and number of local contact (generally Fire Chief)
- **Fire Defense Board Point of Contact:** name and number of Fire Defense Board contact
- **Has Deputy SFM been contacted?:** select yes or no
- **Deputy SFM Point of Contact:** list local Deputy's name and number, if available
- **Has County Emergency Manager been contacted?:** select yes or no
- **Co Emergency Mgr:** list County Emergency Manager's name and number, if available
- **Community Wildfire Protection Plan?:** select yes or no based on whether there is a CWPP in place for the current incident location

## **PART II:**

PART II will be completed after the conflagration has been declared and before the Incident Activation Call. Begin working on PART II after the Conflagration Request Call. PART II provides information that is essential to the Office of State Fire Marshal during the resource request process. PART II, like PART I, can be faxed to OSFM at (503) 373-1825 or conveyed verbally during the Incident Activation Call (SECTION 3 of this document).

### **1. COMPLETE INCIDENT SUPPORT INFORMATION:**

- **Types of Resources Being Requested:** list what resources you need to mitigate the incident such as Strike Teams, search and rescue, etc. Be as specific as possible
- **Public Works Involvement:** select yes or no
- **What Resources:** if Public Works is involved, describe their capacity
- **Disaster and Emergency Services Involvement:** select yes or no
- **What Resources:** if disaster/emergency services are involved, describe their capacity

## SECTION 2: PROCESS FOR MAKING THE REQUEST

When an emergency is beyond the control of local and district fire suppression resources, including primary mutual aid, a request may be made to invoke the Emergency Conflagration Act.

1. When a local chief feels that an incident will escalate beyond the capabilities of local available resources, (s)he will begin to complete PART I of the Conflagration Request Form with the aid of the local Deputy State Fire Marshal.
2. When PART I has been completed, the local chief calls their Fire Defense Board Chief to ask them to contact OERS. The local chief may want to fax PART I to their Fire Defense Board Chief for reference. If they have the capability, the local chief should fax PART I to the Office of State Fire Marshal when they have confirmation that the Fire Defense Board Chief is contacting OERS. The Office of State Fire Marshal fax number is (503) 373-1825.

## **SECTION 3: CONFLAGRATION REQUEST CALL**

Once the Fire Defense Board Chief has contacted OERS, OERS will contact OSFM. An OSFM representative will contact the FDBC and/or the local chief to discuss the conflagration request before the request is made to the Governor. The Conflagration Request Call will be relatively brief and will cover the information included in PART I of the form. After the call is completed, OSFM will contact the Governor to request an invocation of the Conflagration Act.



## SECTION 4: INCIDENT ACTIVATION CALL

After a conflagration has been declared, a representative from the Office of State Fire Marshal will contact some or all of the parties listed below to schedule an Incident Activation Conference Call and provide the conference call number.

### PARTICIPANTS

- On-scene Incident Commander
- IMT Incident Commander
- IMT Deputy Incident Commander
- Local Fire Chief
- Fire Defense Board Chief
- Local Deputy State Fire Marshal
- Agency Operations Center Manager
- IMT Program Coordinator
- State Fire Marshal
- Deputy State Fire Marshal
- Emergency Response Unit staff
- Participating land-use agencies

### AGENDA

- Update of the incident's predicted behavior and resources threatened
- Complexity of the situation
- Special local or political considerations
- State or Federal team in place (name of the IC)
- Shadow/Trainee opportunities
- FEMA, if applicable
- Briefing time and location
- Incident base location
- Prevailing weather
- Anticipated resource shortages (aircraft, crews, overhead)
- Determine Conflagration Reimbursement start time/date
- Good of the order

## **SECTION 5: PREPARING FOR THE IMT**

After the Incident Activation Call, IMT members will be en route to the incident. As you wait for the arrival of the OSFM IMT team, complete PART III to the best of your ability. As you are completing PART III, pay attention to any outstanding logistical items. Access to fuel, water, GIS, and other logistical support services can be fundamental to the success of incident mitigation. When PART III is completed, share it with the incoming IC. If fax services are available, fax PART III to the Office of State Fire Marshal at (503) 373-1825.

# How are conflagrations funded

The OSFM FY 16-18 budget includes  
\$500,000 for mobilizations

OSFM reimburses direct costs for mobilized  
resources per the Oregon Mobilization Plan

FEMA eligible conflagrations are reimbursed  
up to 70 - 75% of our costs (FMAG)

# How are conflagrations funded

- Reimbursements take up to 24 months
- 2015 fire season costs are \$8.8 million
- Compared to ten year average of \$1.05 million
- Oregon 2017 Fire Season Costs \$15,992,764

# Nena Springs

## Warm Springs Oregon

|                         |                   |
|-------------------------|-------------------|
| Estimated Costs         | \$1,317,808       |
| Estimated Value at risk | \$6,384,398       |
| Structures threatened   | 108               |
| Structures lost         | 0                 |
| Total OSFM resources    | 146 FF 66 Engines |
| Oregon Fire agencies    | 43                |
| Funding                 | BIA 100%          |



# Milli Sisters Oregon

|                         |                   |
|-------------------------|-------------------|
| Estimated Costs         | \$1,753,296       |
| Estimated Value at risk | \$667,328,398     |
| Structures threatened   | 2354              |
| Structures lost         | 0                 |
| Total OSFM resources    | 175 FF 80 Engines |
| Oregon Fire agencies    | 58                |
| Funding                 | FMAG 75%          |



# Chetco Bar Brookings Or

|                         |                    |
|-------------------------|--------------------|
| Estimated Costs         | \$7,338,447        |
| Estimated Value at risk | \$2,352,416,184    |
| Structures threatened   | 12,286             |
| Structures lost         | 6 Primary 20 OB    |
| Total OSFM resources    | 275 FF 116 Engines |
| Oregon Fire agencies    | 75                 |
| Funding                 | FMAG 75%           |

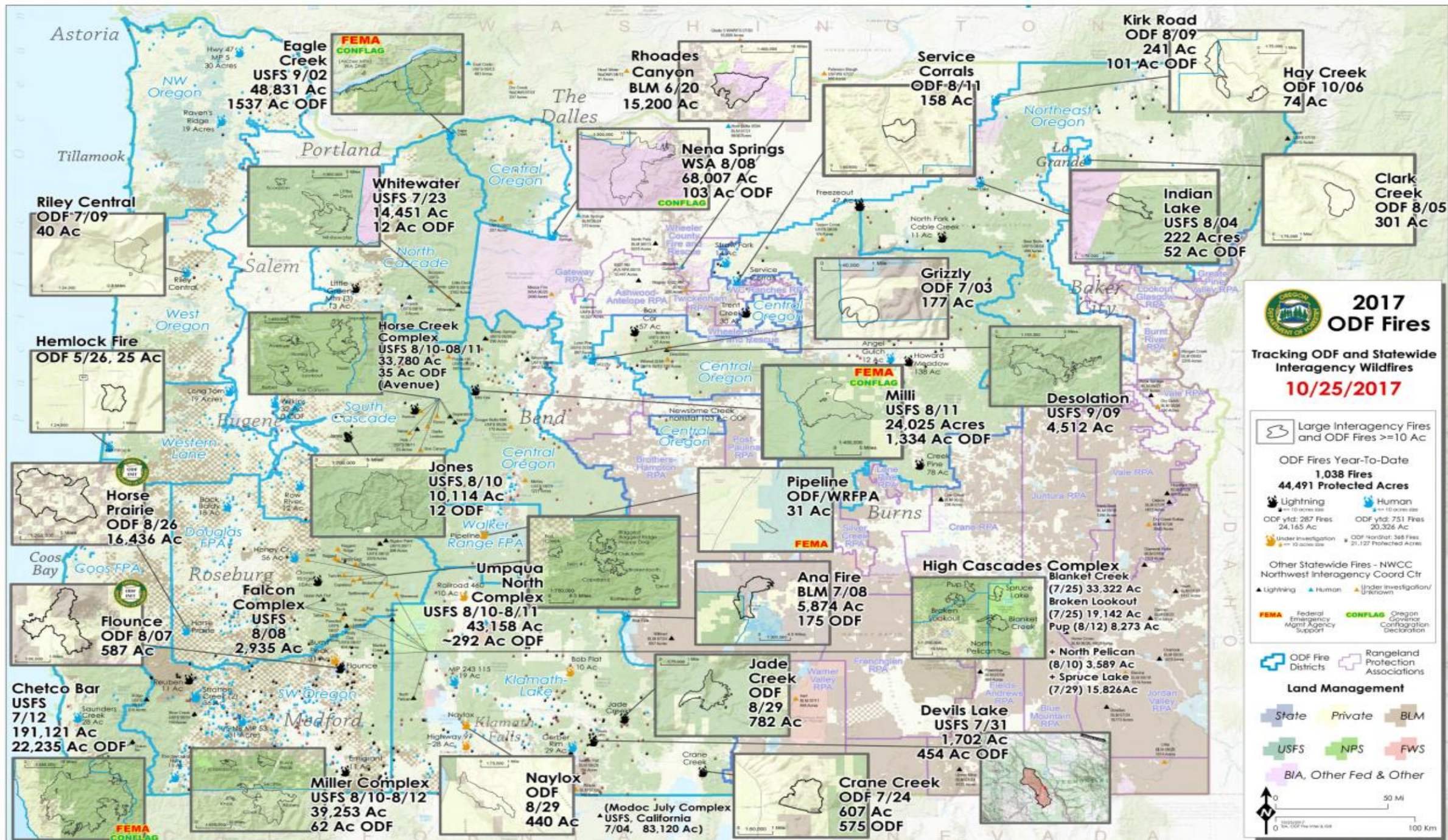


# Eagle Creek Cascade Locks Or

|                         |                    |
|-------------------------|--------------------|
| Estimated Costs         | \$5,583,213        |
| Estimated Value at risk | \$850,921,000      |
| Structures threatened   | 5,230              |
| Structures lost         | 4                  |
| Total OSFM resources    | 390 FF 148 engines |
| Oregon Fire agencies    | 83                 |
| Funding                 | FMAG 75%           |







**2017 ODF Fires**

**Tracking ODF and Statewide Interagency Wildfires**

**10/25/2017**

 Large Interagency Fires and ODF Fires >=10 Ac

ODF Fires Year-To-Date

**1,038 Fires**

**44,491 Protected Acres**

|   |   |
|---|---|
|  Lightning |  Human |
| ODF ytd: 287 Fires  | ODF ytd: 751 Fires  |
| 24,165 Ac   | 20,326 Ac   |

 Under Investigation @ 10 acres size

ODF Year-to-Date: 548 Fires @ 10 acres size

21,127 Protected Acres

Other Statewide Fires - NWCC Northwest Interagency Coord Ctr


 Lightning


 Human

 Under Investigation/Unknown

 FEMA: Federal Emergency Mgmt Agency support

 CONFLAG: Oregon Governor's Office/Confederation Declaration

 ODF Fire Districts

 Rangeland Protection Associations

**Land Management**

|   |   |   |
|---|---|---|
|  State |  Private |  BLM |
|  USFS  |  NPS     |  FWS |

 BIA, Other Fed & Other



# 2017 Oregon Fire Costs

\$238 Million for State  
public and private  
lands

This does not include  
the economic impacts



# California Estimated Cost for Oregon Deployment

- Santa Rosa  
\$5,167,370
- 10 Task Forces, 75 engines,  
245 FF
- Lane County sent 2 Strike  
teams



# California Estimated Cost for Oregon Deployment

- Ventura - ( Thomas fire)  
\$9,454,023

10 Task Forces, 75 engines, 245  
FF

Lane County sent 2 Strike Teams



# Coffee Park Prefire



# Coffee Park after the fire came through



# South Ridgeline Fuels Reduction Project 2015-2020

BLM Community Assistance for  
City of Eugene Parks and Open Space



# City's Ridgeline Park System -2100 ac.

## 2011 FEMA Pre-Disaster Mitigation Analysis:

Wildfire in Ridgeline would impact:

- **10,000 people**
- **4,200 homes**
- **450 businesses**
- Regional power transmission lines
- Water reservoirs
- Communication towers
- Building replacement cost: **\$1.4 billion**
- Economic impact: **\$20 million**





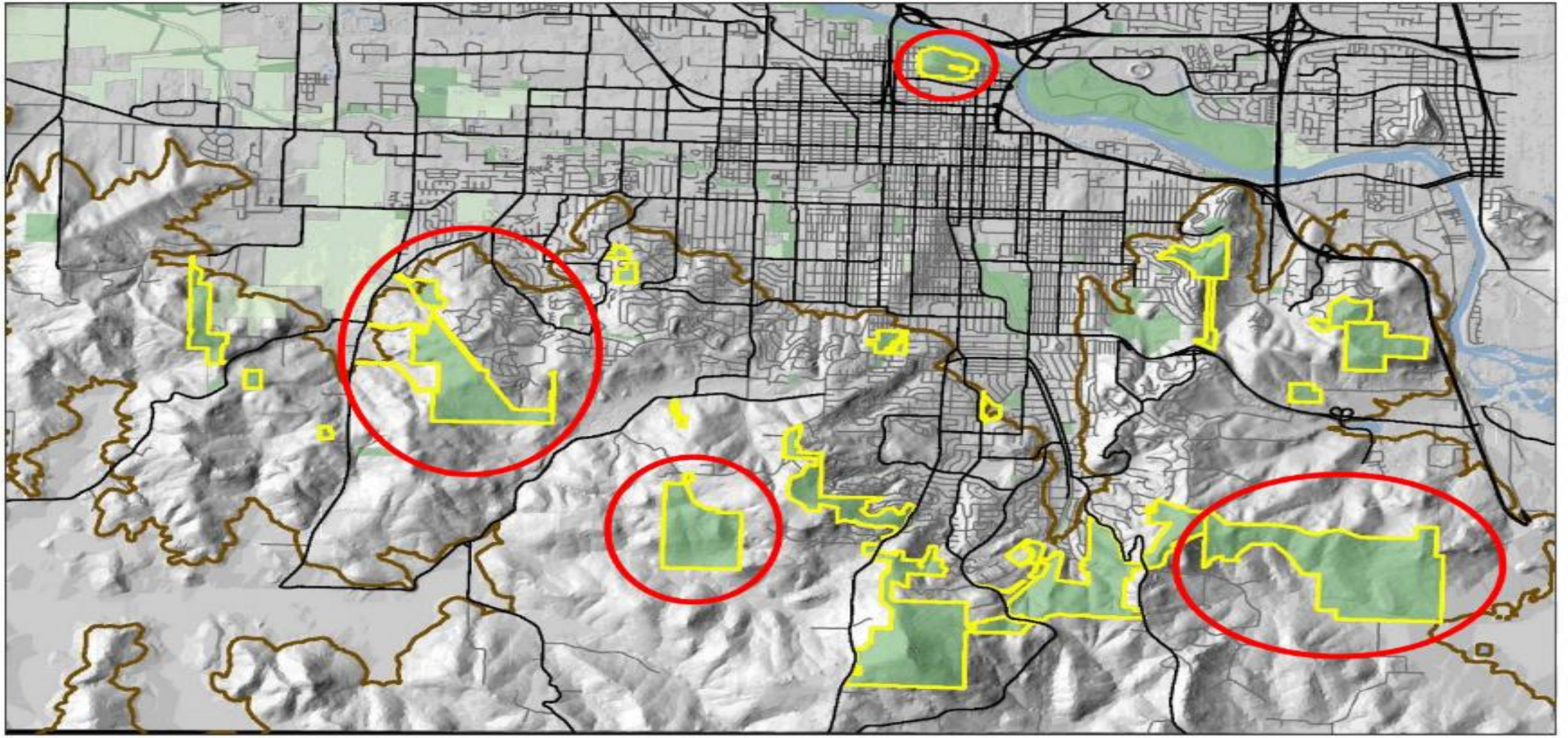
## Representative existing conditions

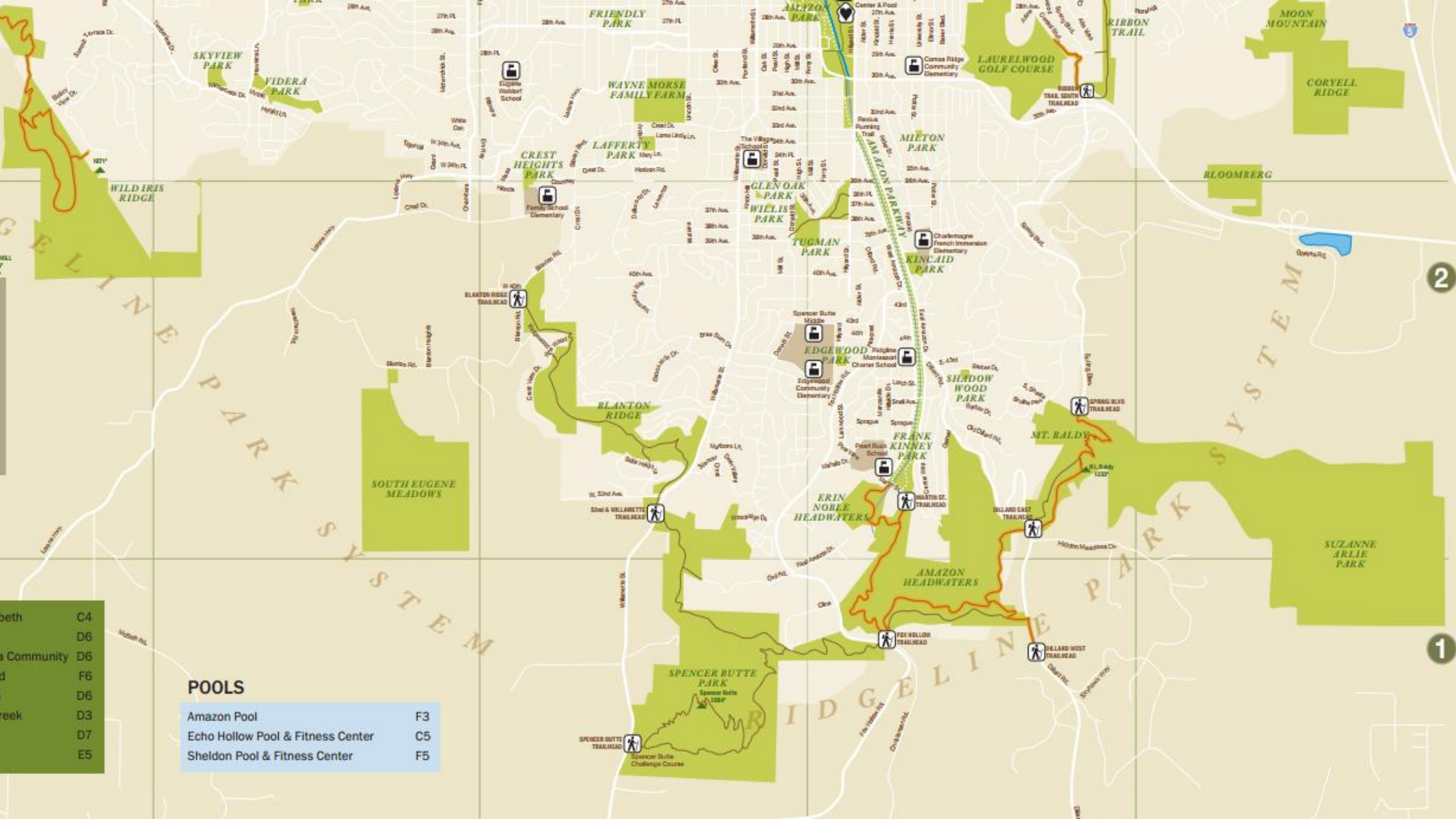


# Project Goals

- 1. Implement landscape-scale fuels reduction treatments** to reduce the risk of damaging wildfires in the Ridgeline, creating a more fire resilient landscape;
- 2. Promote public awareness**, engage participation, and enhance partnerships through education, outreach and coordination of diverse and representative groups of the City's population; and
- 3. Implement and maintain greater coordination** among local, state, and federal land management agencies and private landowners to effectively prioritize hazardous fuels treatments, and provide the framework for reducing the risks and consequences of wildland fire to the community.

# Project Area Map





|             |    |
|-------------|----|
| beth        | C4 |
|             | D6 |
| a Community | D6 |
| d           | F6 |
|             | D6 |
| reek        | D3 |
|             | D7 |
|             | E5 |

**POOLS**

|                                   |    |
|-----------------------------------|----|
| Amazon Pool                       | F3 |
| Echo Hollow Pool & Fitness Center | C5 |
| Sheldon Pool & Fitness Center     | F5 |

2

1

# Vegetation Management To Date

**222 ac.**

Mow/Masticate

**67 ac.**

Hand thin and pile

**237 ac.**

Mechanical thin and forward

**95 tons**

Pile burn

**436 BDT**

Grind biomass and remove



# Mow/Masticate



# Mechanical Thin and Forward



# Mechanical Thin – before/after







# Skinner Butte – urban core



# Outreach – Print Material

## Team up for Fire Safety



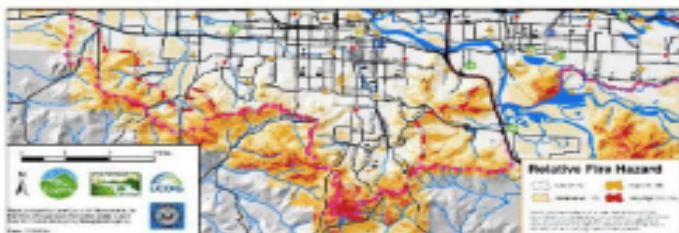
Wildfire is a natural part of our ecosystem, so dry summer weather combined with human-caused sparks means there is always a risk of wildfire in our community. Work with us to help keep wildfire out of your backyard.

### Did you know that 70% of wildfires are started by humans?

Many of Eugene's RidgeLine parks and trails—including this one—are in a higher risk area for wildfires. Please be aware and be safe, especially in the summer months. **BE AWARE** and follow regulations in areas where smoking, use of fireworks and recreational fires are prohibited. Always **USE CAUTION** when driving near vegetation.

The Eugene Springfield Fire Department will be in our community offering workshops, fire safety materials, and more to help you put a plan in place. For more information on where we will be, how to prepare, and the complete fire hazard map for the region, visit

[eugene-or.gov/teamup4firesafety](http://eugene-or.gov/teamup4firesafety)



**Understand the WH**  
The relative fire hazard map shows the risk of wildfire in the Eugene area. The map is color-coded to show the risk of wildfire in the Eugene area. The map is color-coded to show the risk of wildfire in the Eugene area.

### What You Can Do

It's time to take the risk level for wildfire where you live.

If you live in a wildfire hazard area,

prepare you, your family, and home with these three steps:

**Reduce** Create a defensible space around your home by clearing away brush and reducing fire or smoke-producing materials, including propane and oil tanks. For more information on what to do, visit [www.firewise.org](http://www.firewise.org).

**Defend** Plan your escape route. Stay aware of the latest fire information from local media and the Eugene Springfield Fire Department.

**Defend** Call your fire alarm, don't call yourself and your family to safety.

### What We Are Doing

This spring and summer, the Eugene Springfield Fire Department and their partner agencies are partnering with the Bureau of Land Management (BLM) on a major effort to reduce the risk of fire in RidgeLine natural areas and the Eugene area. We'll be removing dense vegetation in several locations, and conducting ecological burns for treated sites and BLM fire staff to improve wildfire buffer zones.



**Fuel Reduction**  
Reduce fuel load and create defensible space around homes. The BLM and Eugene Fire Department are working with the BLM to reduce fuel load and create defensible space around homes.

- 2 new kiosks
- 11 trailhead posters up for 2 years
- 10,000 postcards mailed
- 2,000 trading cards - community
- 1,500 trading cards - kids
- 2 neighborhood newsletters
- 83,000 households received "Picture your Parks" with article
- 3 City Council newsletter stories

# Outreach - Media

- **Website:**

- [www.eugene-or.gov/teamup4firesafety](http://www.eugene-or.gov/teamup4firesafety)
- 320 visits to date

- **Social Media:**

- [www.facebook.com/willamettevalleyprescribedfire](http://www.facebook.com/willamettevalleyprescribedfire)
- [www.willamettevalleyprescribedfire.blogspot.com](http://www.willamettevalleyprescribedfire.blogspot.com)

- **PSAs – Eugene Ears**

- Fire safety message
- 140 airings, 5 stations
- Reaches 255,000 listeners at least once

- **KVAL Interview**

- BLM Fuels Reduction Specialist
- Eugene Parks Ecologist



# Outreach - Events

- Community Outreach Event – Albertson's parking lot
- Ridgeline Day – 110 people
- HOA meeting – 15 people
- Public Tours – Skinner Butte, Wild Iris Ridge



# Interagency Coordination

- City of Eugene – Parks and Open Space, ESFD, Emergency Management
- BLM National Fuels Review Team (pictured)
- Oregon Parks and Recreation Field Tour



# How do we prepare Lane County

- **Community Wildfire Protection Plans ( CWPPs)**
- **Firewise**
- **Community Assistance Grants**
- **Oregon State Fire Marshal**
- **Local Fire Department**
- **Oregon Department of Forestry**
- **Intterra**



# Jefferson County Community Wildfire Protection Plan

May 2011





# The End

- Have we covered what you wanted to hear?
- Do you have questions of us?
- Is there anything more you would like to see in the presentation?
- Time for Questions and Answers.