

A large, billowing white smoke plume rises from a city skyline, filling the upper half of the frame. The smoke is dense and textured, with a bright white core and a slightly greyish outer edge. Below the smoke, the city skyline is visible, featuring several tall skyscrapers of varying heights and colors. The sky is a clear, vibrant blue. The overall scene suggests a major fire event in an urban environment.

Wildland Urban Interface Fires Situation Awareness

Can it happen here?



Washington State: Summer 2017





Washington State Wildfires 1970 - 2008

Washington State Wildfires

How the two halves differ

Westside

- Cooler/Wetter Climate
- Shorter Summer Fire Season
- Fewer Fires
- Heavier Fuels-Brush/Timber
- More Intense Fires

Current:

- More Fires: > 95% Human Caused
- King, Pierce and Snohomish
Avg. 2,500/yr. Natural Vegetation Fires

Eastside

- Warmer/Dryer Climate
- Longer Summer Fire Season
- More Fires - Lightning
- Lighter Fuels-Grasses/Timber
- Less Intense Fires

Current:

- More Intense Fires → Forest Health
- Northeastern Washington
Avg. 600/yr. Natural Veg. Fires, Lightning & Human

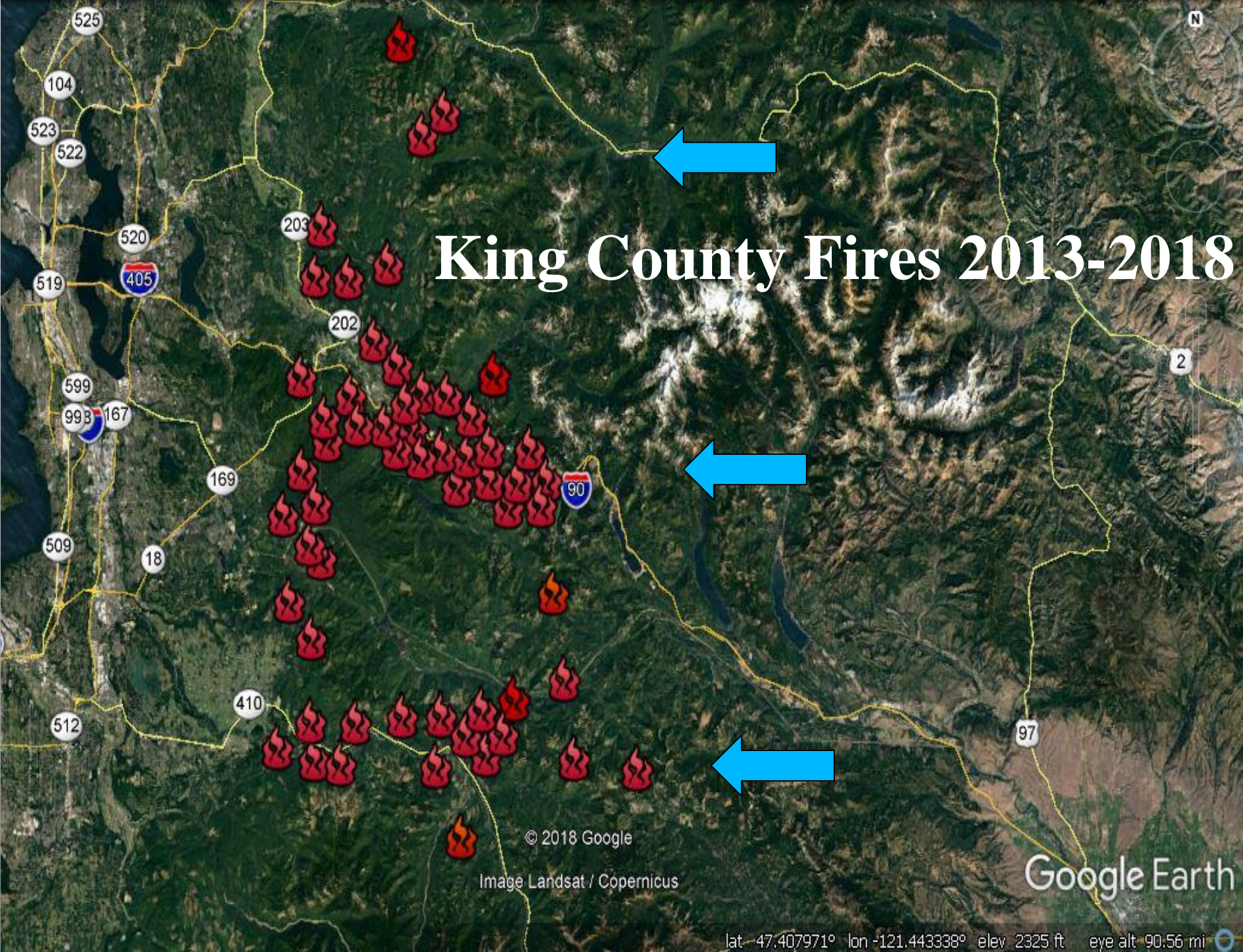
444th Fire – Mt. Si 2013



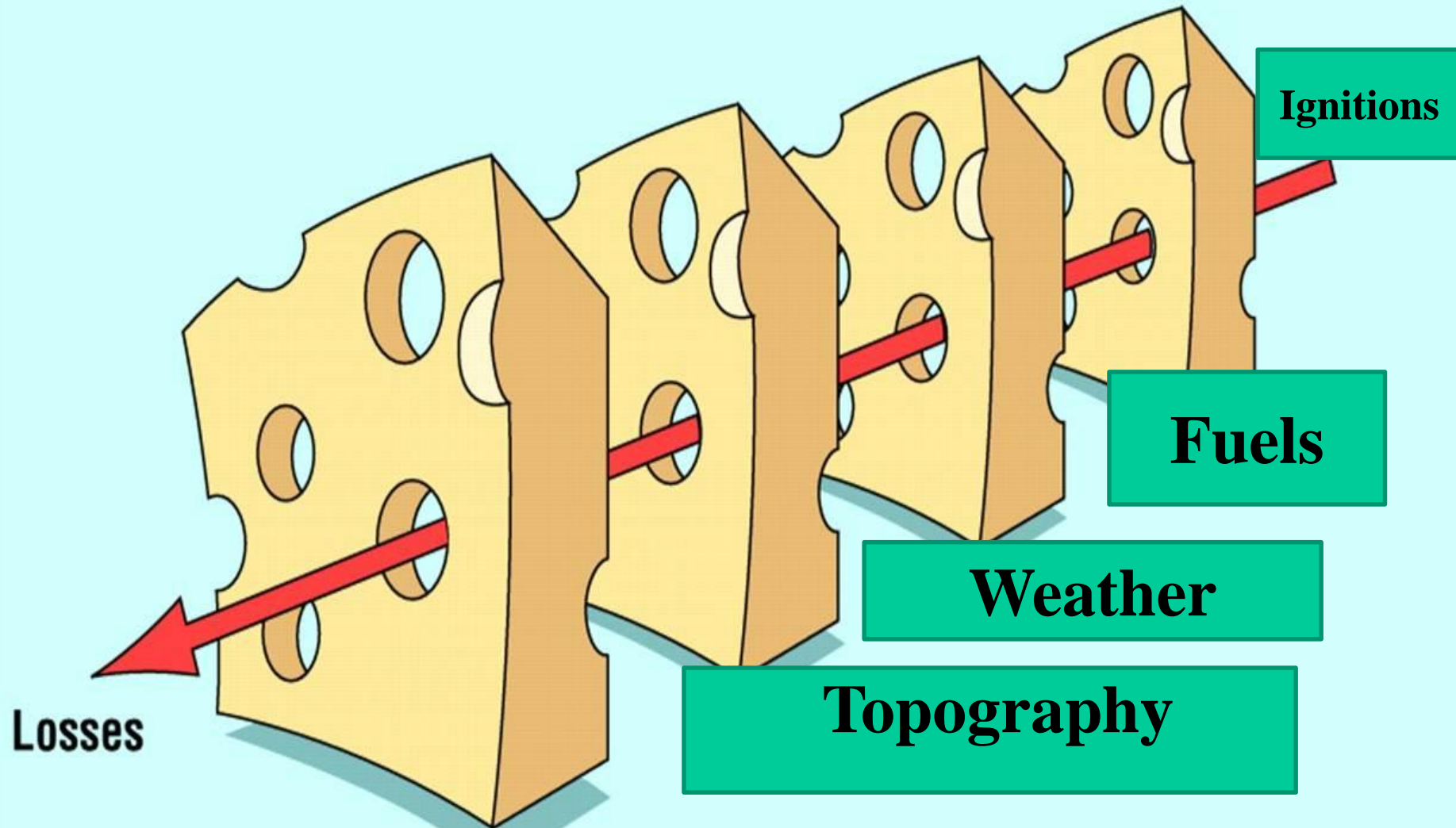
Tumwater Canyon - 2015



King County Fires 2013-2018

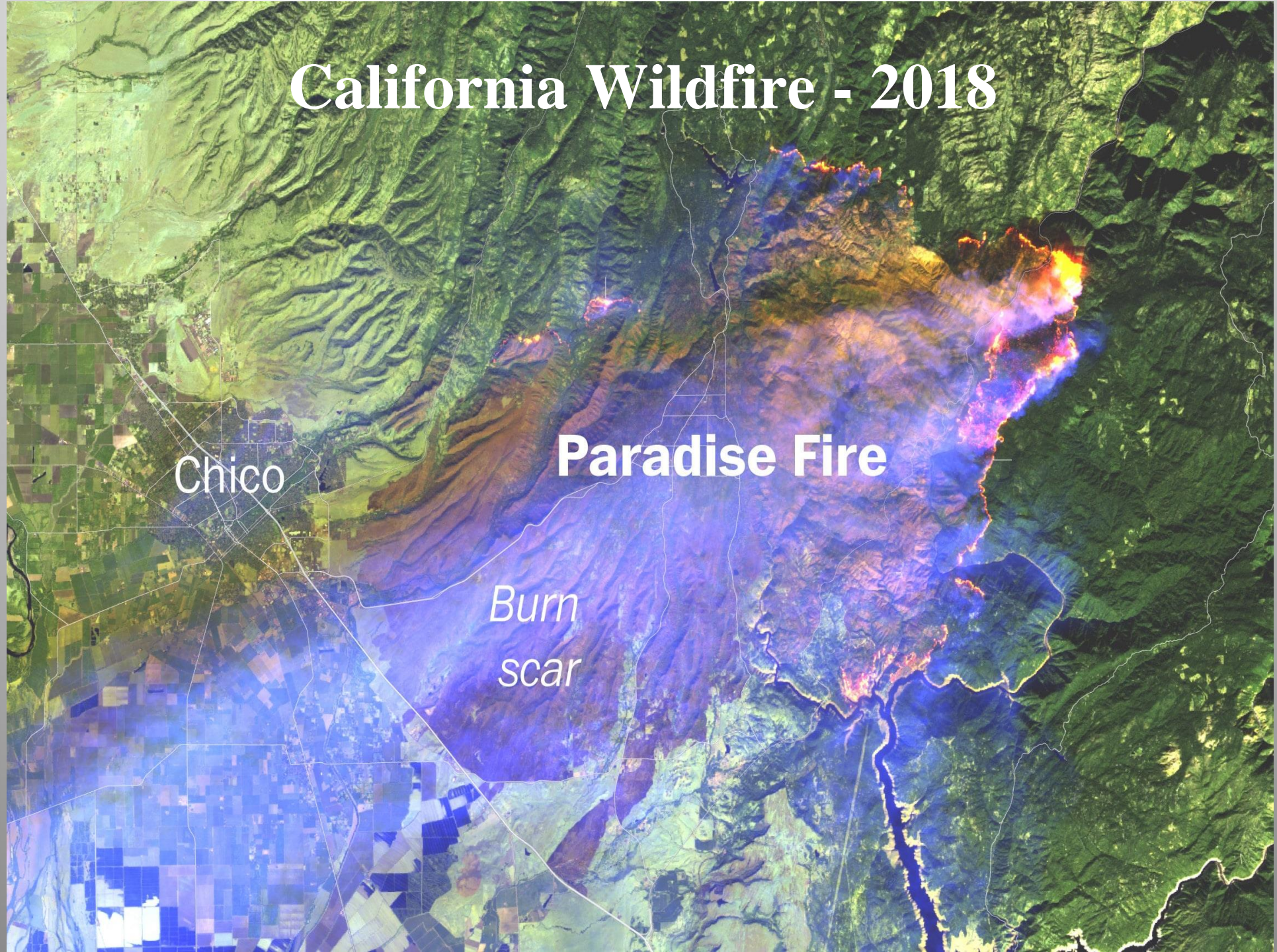


Wildfires -



Wildfire Escapes Initial Attack

California Wildfire - 2018



Chico

Paradise Fire

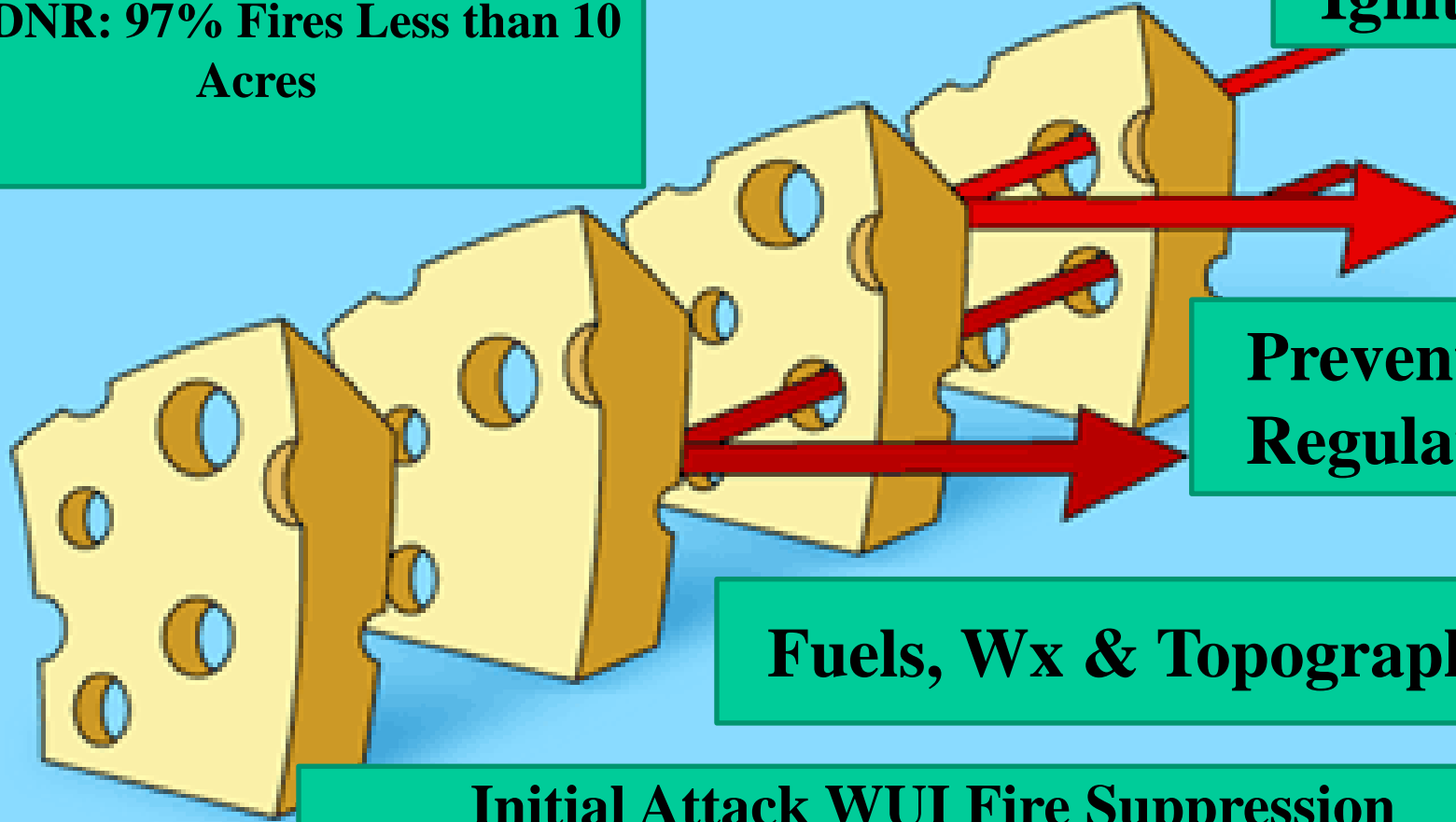
*Burn
scar*



Buckley/Wilkeson Fire – September 2018

WA-DNR: 97% Fires Less than 10 Acres

Ignitions



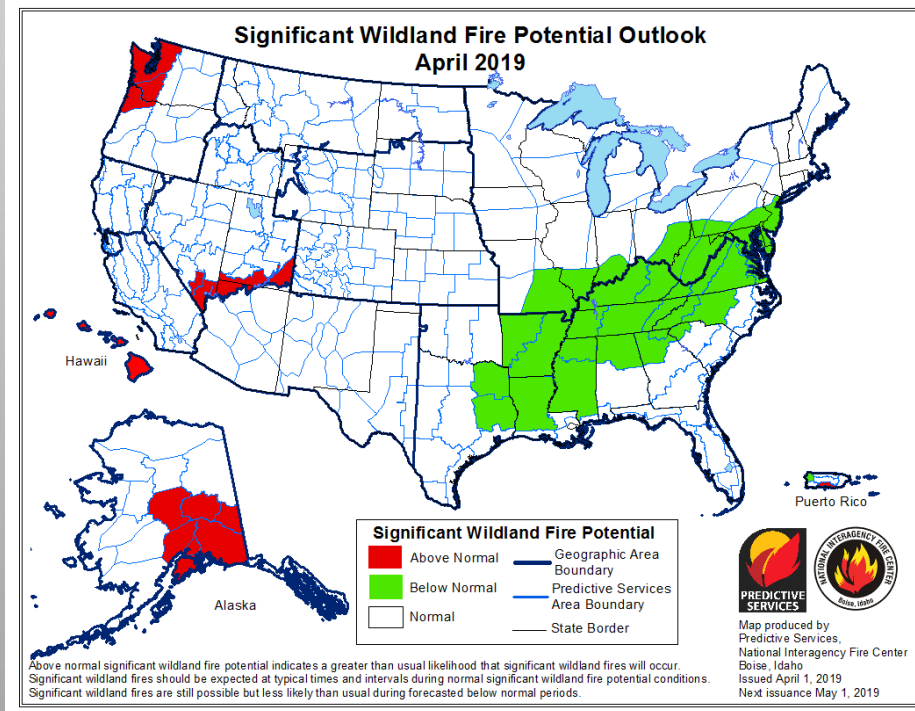
**Prevention
Regulation**

Fuels, Wx & Topography

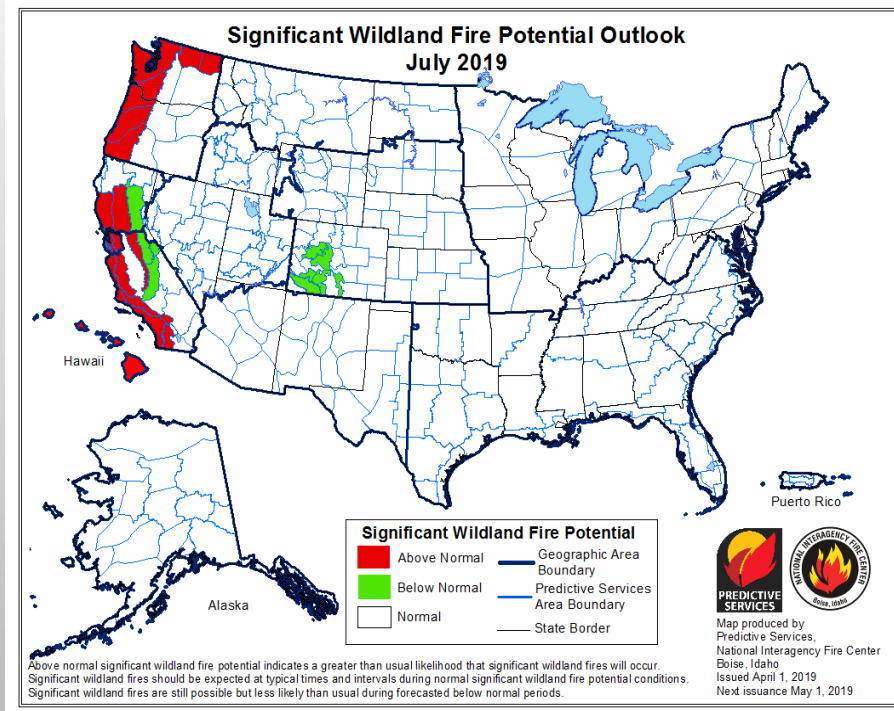
**Initial Attack WUI Fire Suppression
Mutual Aid Resources (County, State and
Federal)**

SUCCESSIVE LAYERS OF DEFENSES

Summer 2019 Fire Weather Outlook



April 2019



July 2019



Mutual Aid Resources

Hope is not a Strategy



- New Firewise Coordinator - Chief McDaniel
- Eastside Fire Wildland Team
- 4 Wildland Firefighting Brush Engines
- All Line Firefighters - NWCG Wildland "Red Card" Training
- All Fire Engines & Ladder Truck w/ Wildland gear, PPE and Fire Shelters
- New Tactical Drone Program Trails, Water Rescue and Wildfires
- 4 + DNR Wildland Fire Engines
- DNR Fire Overhead/FFs
- DNR Camp Crews
- Helicopter Resources in Olympia
- DNR Co-Op Wildland Fire Response Agreement
- DNR Co-Op Engine @ May Valley Fire Station
- Other County, State and Federal Firefighting Resources as needed



Fire Risk Management Programming and Services: State and Local

WA DNR: Wildfire Prevention and Community Preparedness Program

- **Support current work**
- **Build capacity in high-need, high-risk areas**
- **Connect communities with resources:**
 - **Mentors**
 - **Funding**
 - **Technical expertise**



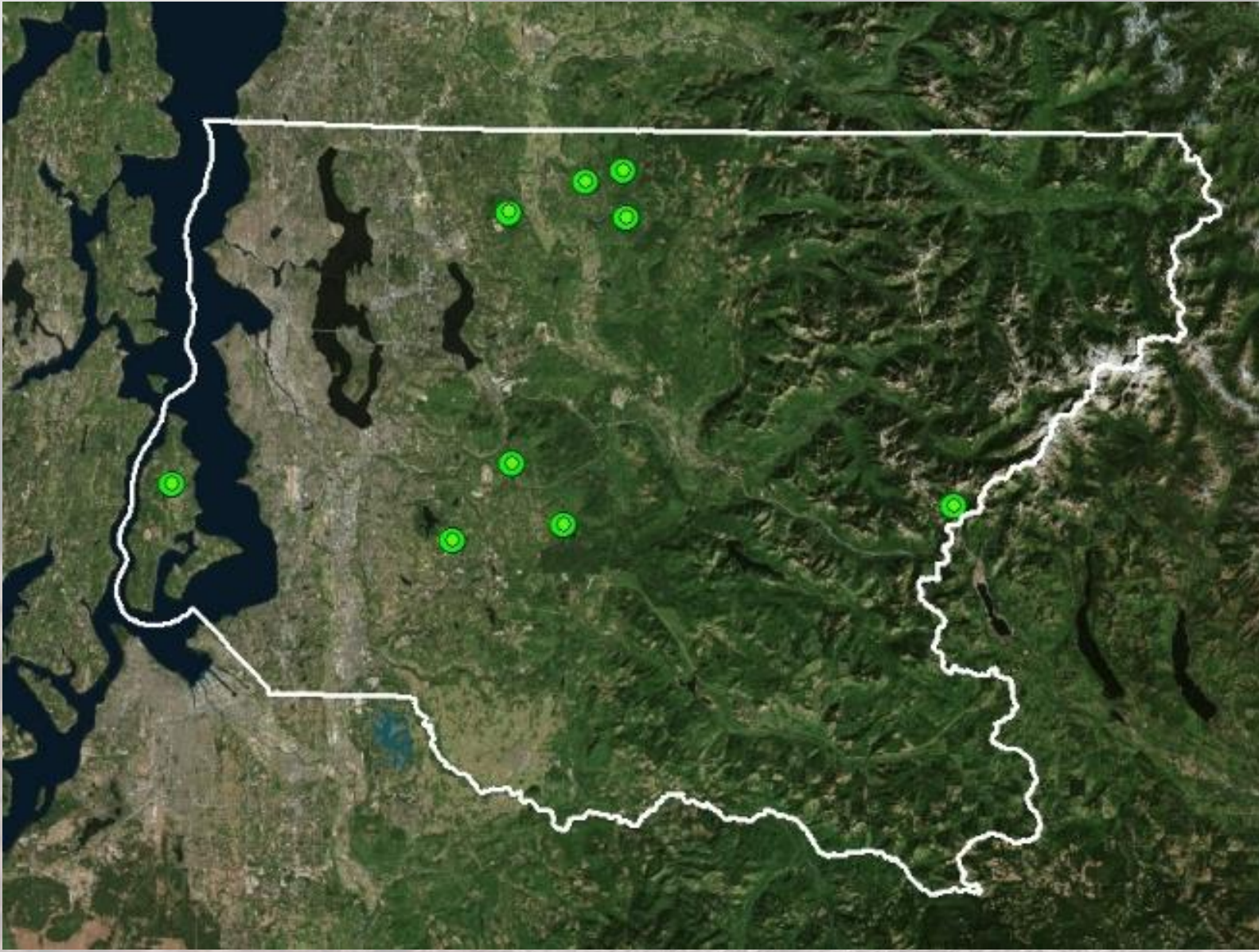
**WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES**
HILARY S. FRANZ | COMMISSIONER OF PUBLIC LANDS



FIREWISE USA®
RESIDENTS REDUCING WILDFIRE RISKS

1. Complete a neighborhood assessment
2. Create a committee
3. Develop an Action Plan
4. Have an annual Firewise Day
5. Invest one hour per dwelling unit
6. Submit application for recognition



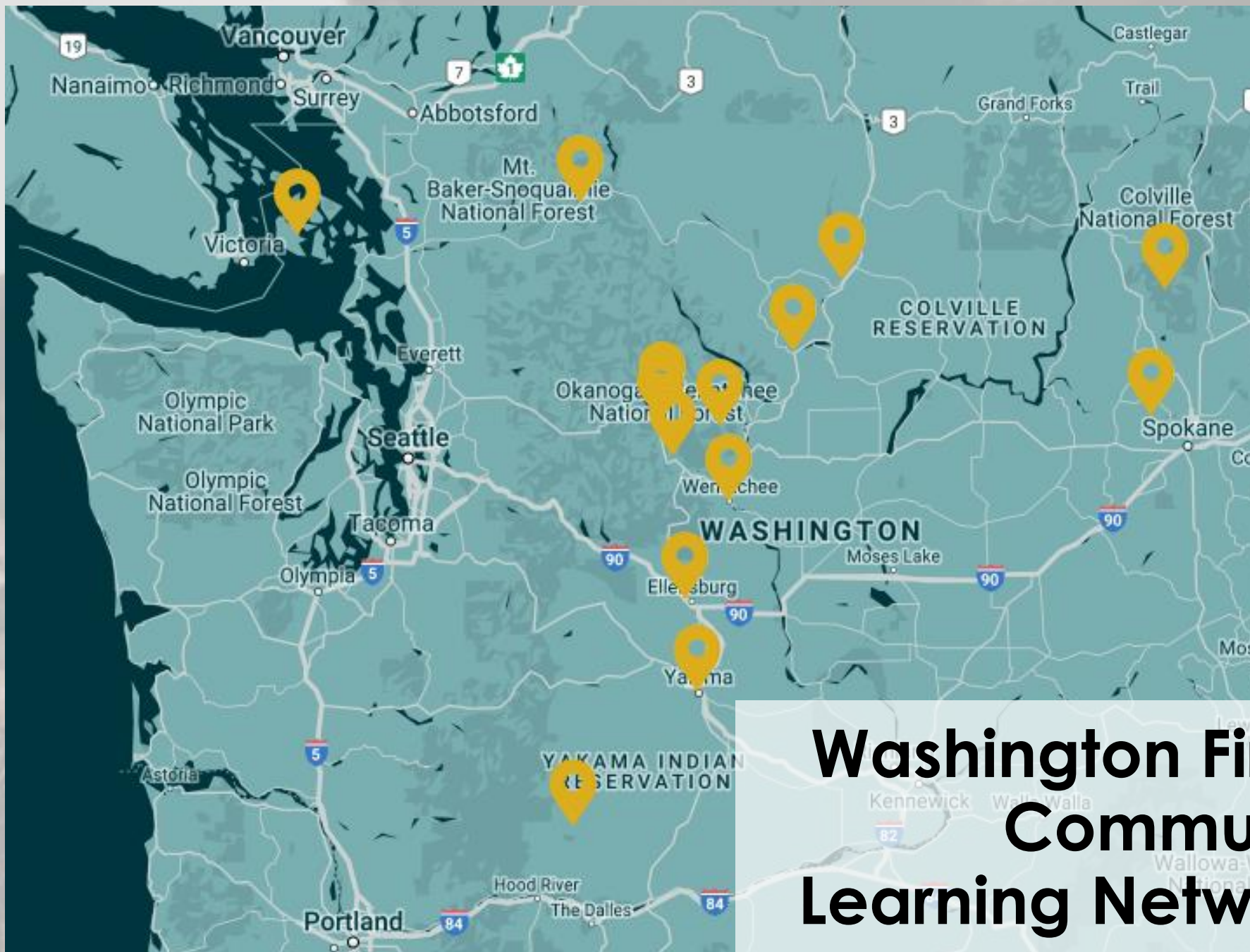


**Firewise USA
sites:
King County**

Washington Fire Adapted Communities and Learning Network



- Active fire practitioners
- Network of learners
- Share knowledge, resources
- Before, During, After Fire



Washington Fire Adapted Communities Learning Network Partners

KING CONSERVATION DISTRICT

PROMOTING RESILIENT FORESTS



Local Food, Healthy Forests, Clean Water



FOREST STEWARDSHIP

IN KING COUNTY -

2/3 OF LAND AREA IS FORESTED

364,000 ACRES HELD IN PRIVATE OWNERSHIP

BETTER FORESTS

“We went from knowing nothing about our trees, to learning how to manage what is here and feeling confident in our ability to preserve the forest for future generations.”

– Alison Clemons



FOREST STEWARDSHIP PLAN



First Name Last Name

Street Address

City, State, Zip

Parcel ID# #####

breed



Landowner:

Lifetime of Practice:

*This Jobsheet must be attached to your completed application

Purpose (check all that apply)	
<input type="checkbox"/> Site preparation	<input type="checkbox"/> Tree/Shrub establishment
<input type="checkbox"/> Tree/Shrub stand improvement	<input type="checkbox"/> Restore native plant communities
<input type="checkbox"/> Long-term erosion control and improvement of water quality	<input type="checkbox"/> Increase the quantity and quality of forest products
<input type="checkbox"/> Wildlife habitat enhancement	<input type="checkbox"/> Other

Forest Management Practice and Details Provide the following: 1) a map delineating prescription area and sub-treatment areas if applicable; 2) acreage figures for treatment areas; 3) descriptions of current stand location and conditions, stand treatment plan, plant species to be used, plant spacing, and site preparation; 4) a project management timeline from your approved Forest Stewardship Plan.

- 1)
- 2)
- 3)
- 4)

Permits Are there any permits necessary for the project? If so, please list below and include a copy of the permit.

Landowner must comply with local, state and federal regulations and permitting requirements.

1) Forest landowners may need a permit from the WA State DNR for forest management activities

<http://www.dnr.wa.gov/businesspermits/forestpractices/Pages/Home.aspx>

Or

From through the Forest Practices Rules, see the King County specifics here:

<http://www.co.king.wa.us/property/permits/info/SiteSpecific/forest.aspx>

2) There may be permits needed to apply herbicide near aquatic areas of their buffer. See the WA State Department of Ecology website for further details: <http://www.ecy.wa.gov/programs/wo/pesticides/>

Type and Source of Plant Material Will you use potted plants, bareroot plants, b&b plants or a combination? Where will you get the plants from and when?

Plant material will be native species adapted to the site to minimize maintenance and care.

_____, the contractor, will plant bareroot plants that have been sourced from the Puget Sound. If additional plant material is purchased to augment the _____ planting, that material can be bareroot, live stake, potted



FOREST HEALTH STEWARDSHIP PROJECTS



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A photograph of a forest with tall, thin trees and a mossy ground. Sunlight is streaming through the trees on the left side, creating a warm, golden glow. The text is overlaid in the center-right area.

FIRE RESILIENCY

FIRE RISK MANAGEMENT PLANNING

FIREWISE COMMUNITY DESIGNATION

FUELS MANAGEMENT

Community Firewise Plan

Community Name
City, Washington



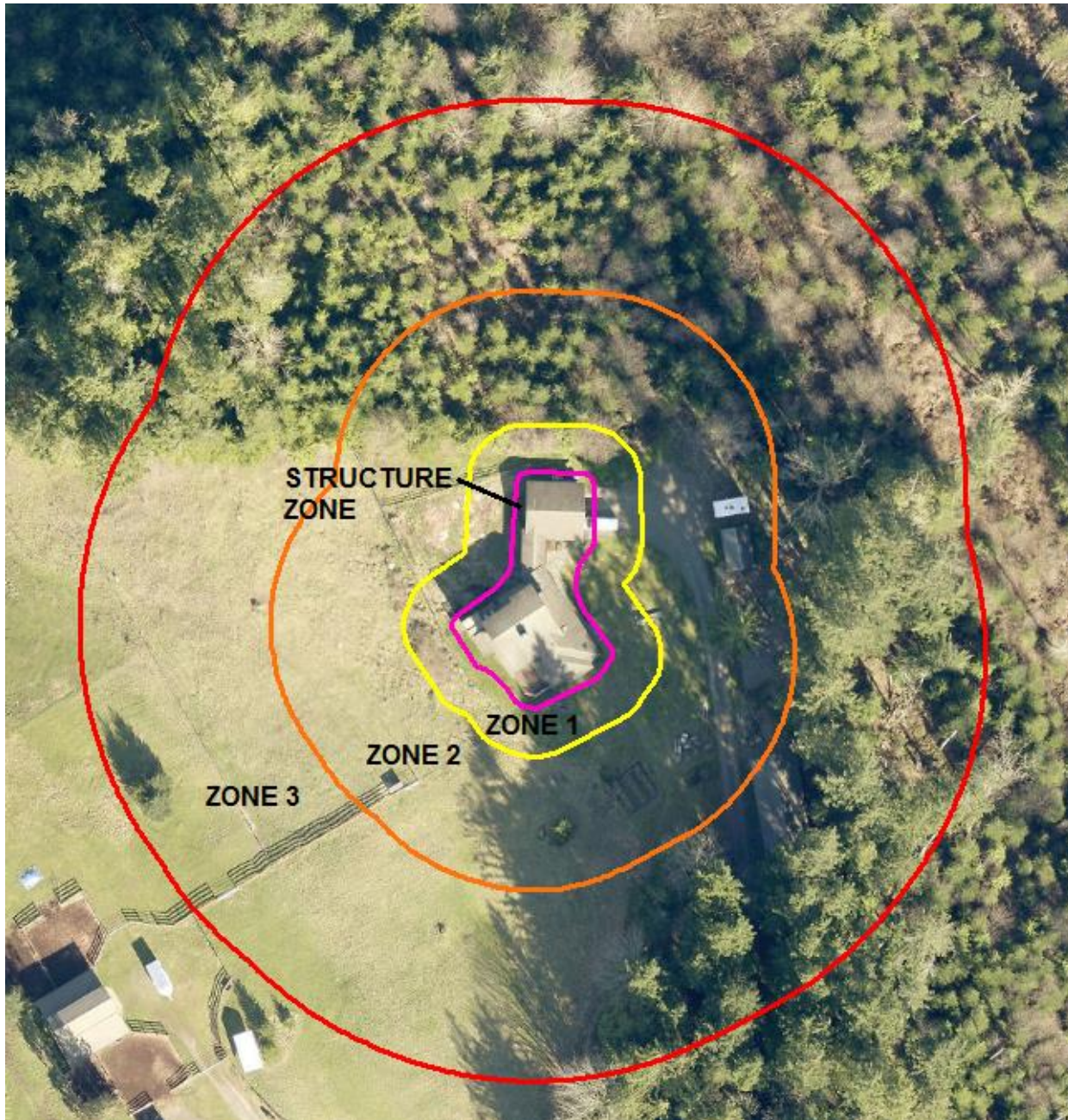
June 2017

Conducted & Provided By:
KCD Firewise Planning Staff
King Conservation District



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STRUCTURE ZONE: 0 to 5 feet

Prevent small heat sources close to the home or structure.

ZONE 1: 0 to 30 feet

Prevent large heat sources capable of igniting the home or structure through radiant heat.

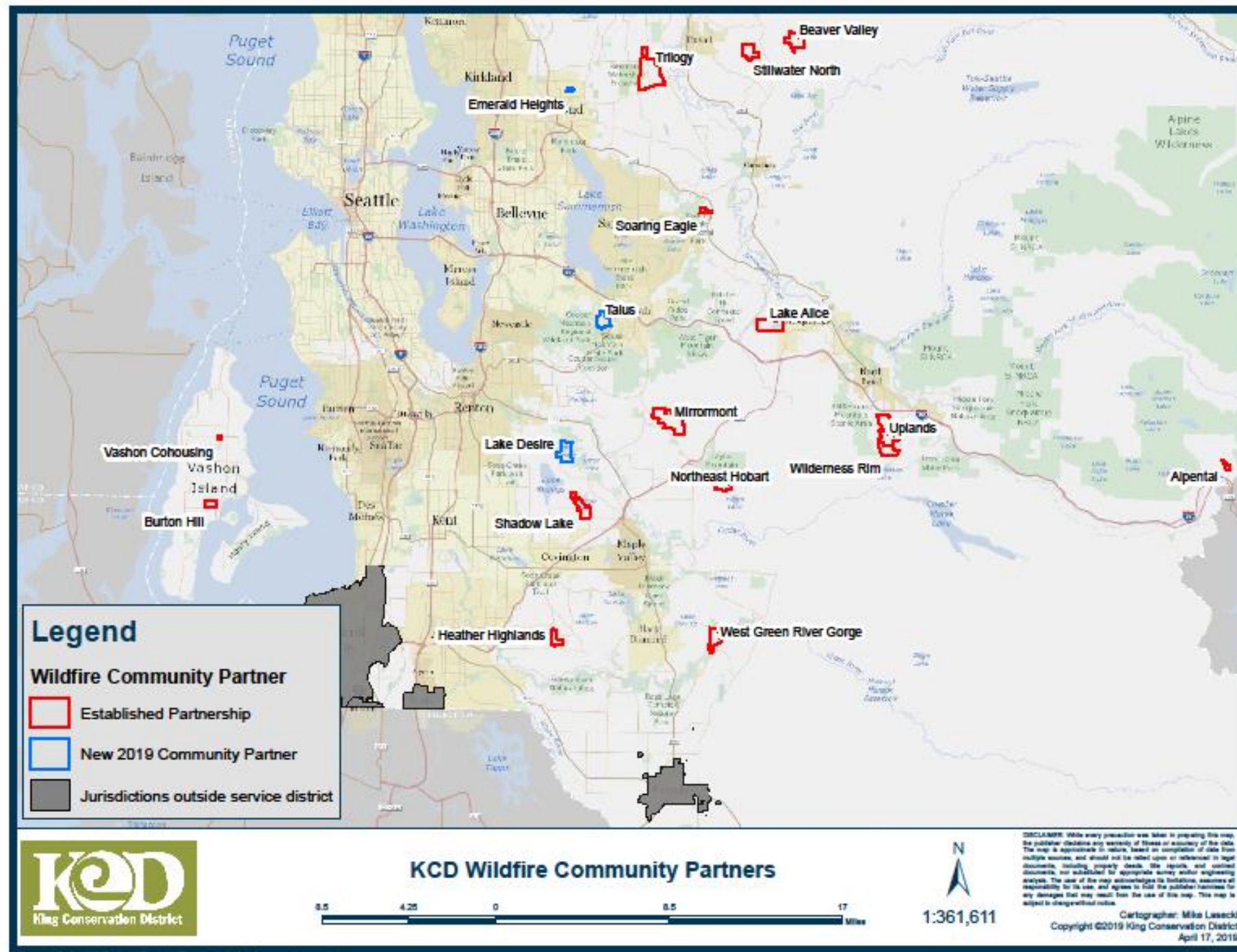
ZONE 2: 30 to 100 feet

Prevent high intensity fires that can rain fire brands (embers) onto the home or structure and ignite nearby fuels.

ZONE 3: 100+ feet

Monitor and management forest to improve forest health and resilience to disturbance.

COMMUNITY WILDFIRE PLANS





FIREWISE USA[®]

RESIDENTS REDUCING WILDFIRE RISKS





FUELS REDUCTION PROJECTS



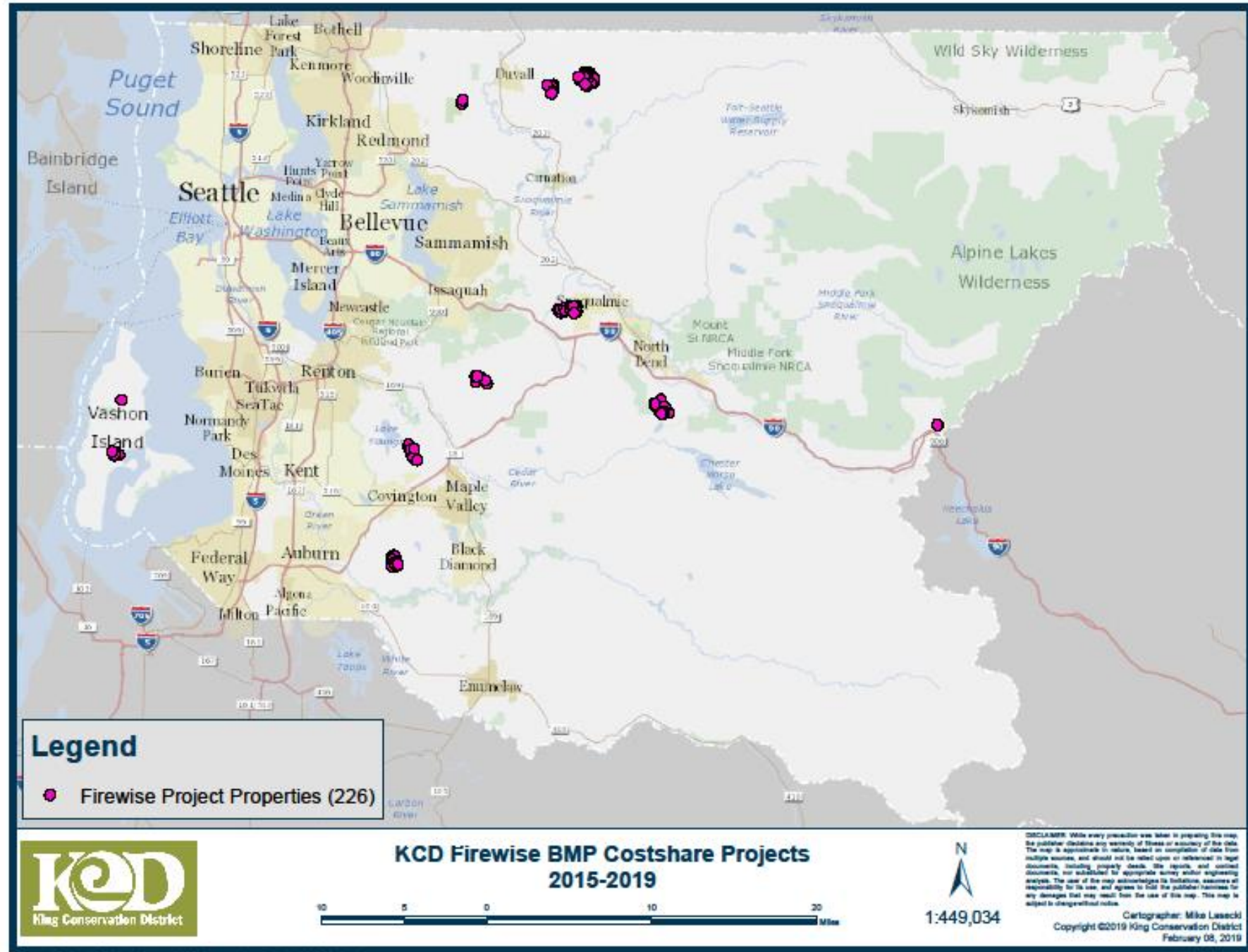
FUELS REDUCTION PROJECTS



FUELS REDUCTION PROJECTS



FUELS REDUCTION PROJECTS



FIREWISE USA

SITE - ALPENTAL



FIREWISE USA SITE - VASHON CO-HOUSING

“Firewise provides us with tools for monitoring the 8 acres of forest and 4 acres of landscaping around our homes. The KCD Firewise Plan identifies priority measures for protecting our property and support for projects we may not otherwise implement.”

– Mark Musick



ADAPTING FOR THE FUTURE



KING CONSERVATION DISTRICT

THANK YOU



Local Food, Healthy Forests, Clean Water