

## Goal:

Map WUI boundaries so we can calculate risk and support mitigation within the boundaries of the WUI.

Action: Map WUI boundaries.

# Implications:

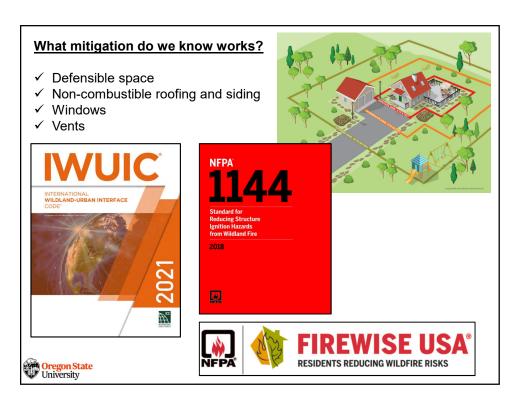
Calculate risk within WUI, and Support mitigation within WUI.



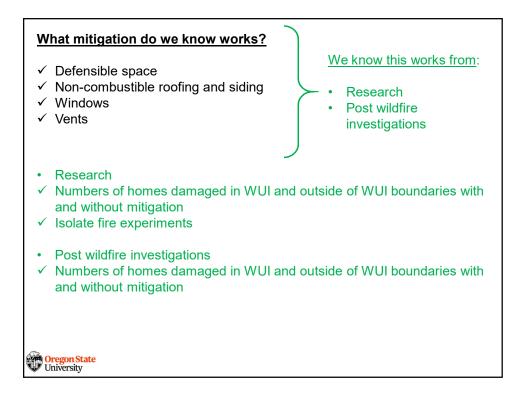
Home destroyed by Holiday Farm Fire (Blue River, OR)  
 Maternity ward of Adventist Health Hospital, Feather River

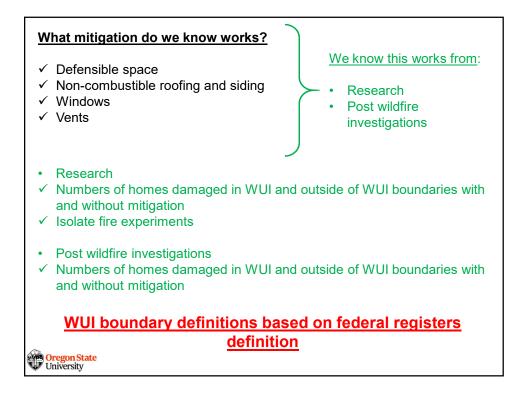
(Paradise, CA)

Oregon State University

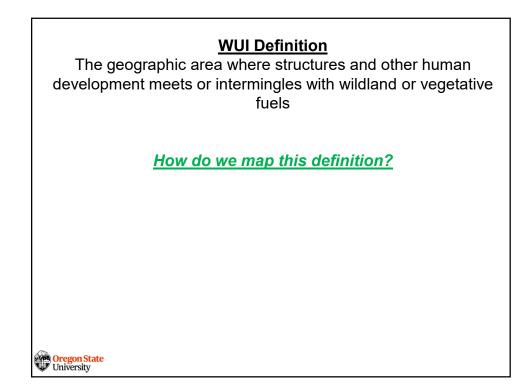


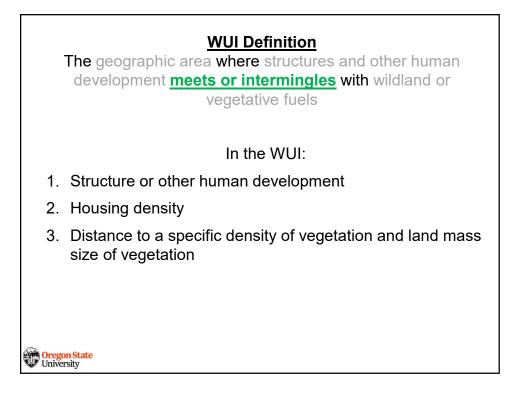






<u>WUI Definition</u> The geographic area where structures and other human development meets or intermingles with wildland or vegetative fuels
Oregon State University





### Federal registers definition:

Areas mapped nationally as WUI are census blocks with the following requirements:

- At least 6.17 housing units per km<sup>2</sup> (1 housing unit per 40 acres)
- > 50% wildland vegetation within the terrestrial area of the census block or within 2.4 km of a large area (> 5 km<sup>2</sup>) with at least 75% wildland vegetation

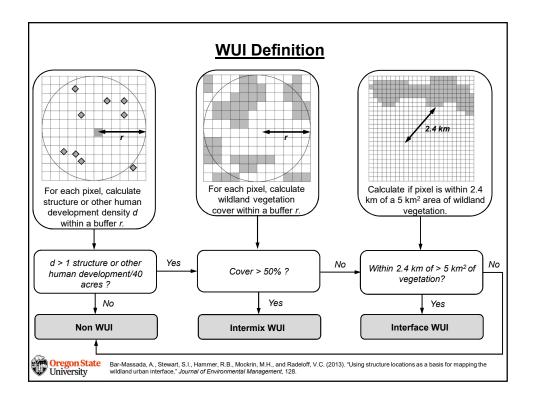
#### **ODF Recommendation**:

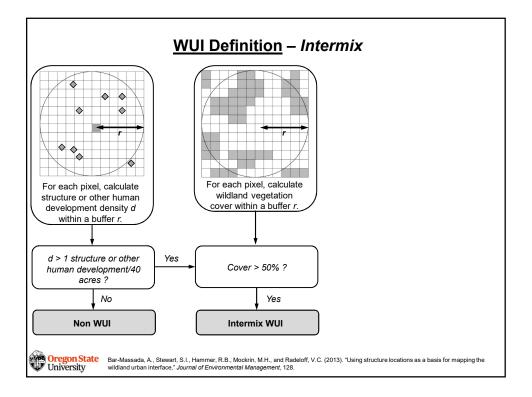
The WUI is a geographic area with a minimum of one structure or other human development per 40 acres and:

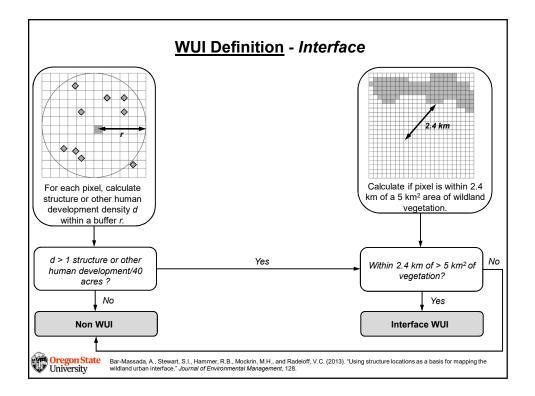
- A minimum of 50% wildland or vegetative fuels; or
- Within 2.4 km of an area greater than 5 km2 with a minimum of 75% wildland or vegetative fuels; or
- An existing and planned development, within the urban growth boundary or unincorporated communities, that is not identified in (1) or (2) (Question 11).

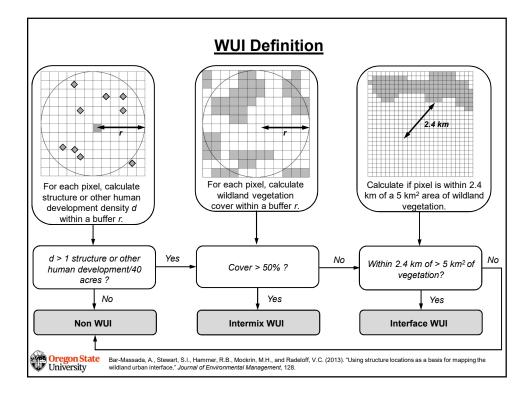
WUI also includes <u>occluded</u> geographic areas with a minimum of one structure or other human development per 40-acres within 2.4 km of an area greater than 2.6km<sup>2</sup> but less than 5km<sup>2</sup> with a minimum of 75% wildland or vegetative.

Oregon State University









## Federal registers definition:

Areas mapped nationally as WUI are census blocks with the following requirements:

- At least 6.17 housing units per km<sup>2</sup> (1 housing unit per 40 acres)
- > 50% wildland vegetation within the terrestrial area of the census block or within 2.4 km of a large area (> 5 km<sup>2</sup>) with at least 75% wildland vegetation

### **ODF Recommendation:**

The WUI is a geographic area with a minimum of one structure or other human development per 40 acres and:

- A minimum of 50% wildland or vegetative fuels; or
- Within 2.4 km of an area greater than 5 km2 with a minimum of 75% wildland or vegetative fuels; or
- An existing and planned development, within the urban growth boundary or unincorporated communities, that is not identified in (1) or (2) (Question 11).



### Federal registers definition:

Areas mapped nationally as WUI are census blocks with the following requirements:

- At least 6.17 housing units per km<sup>2</sup> (1 housing unit per 40 acres)
- > 50% wildland vegetation within the terrestrial area of the census block or within 2.4 km of a large area (> 5 km<sup>2</sup>) with at least 75% wildland vegetation

### **ODF Recommendation:**

The WUI is a geographic area with a minimum of one structure or other human development per 40 acres and:

- · A minimum of 50% wildland or vegetative fuels; or
- Within 2.4 km of an area greater than 5 km2 with a minimum of 75% wildland or vegetative fuels; or
- An existing and planned development, within the urban growth boundary or unincorporated communities, that is not identified in (1) or (2) (Question 11).

WUI also includes <u>occluded</u> geographic areas with a minimum of one structure or other human development per 40-acres within 2.4 km of an area greater than 2.6km<sup>2</sup> but less than 5km<sup>2</sup> with a minimum of 75% wildland or vegetative.

Oregon State University