

Wildfire and Evacuations



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Wildfire Info Resources

- Inciweb: <https://inciweb.nwcg.gov/>
An interactive map with all national wildfire incidents. Information on each fire is updated daily. You can also visit:
<https://gacc.nifc.gov/nwcc/content/products/intelligence/MORNINGBRIEF.pdf?2019-05-06%2014:41:46> it is updated daily and covers wildfire activity specifically for our area
- National Interagency Fire Center: <https://www.nifc.gov>
- Fire Weather Outlook:
<https://gacc.nifc.gov/nwcc/predict/outlook.aspx>
7 day and monthly forecast. Video forecasts monthly.
- ODF Blog:
<http://wildfireoregondeptofforestry.blogspot.com/> An overview of fire activity specific to the Oregon Department of Forestry.



Air Quality

<https://oraqi.deq.state.or.us/home/map>



Eagle Creek Fire

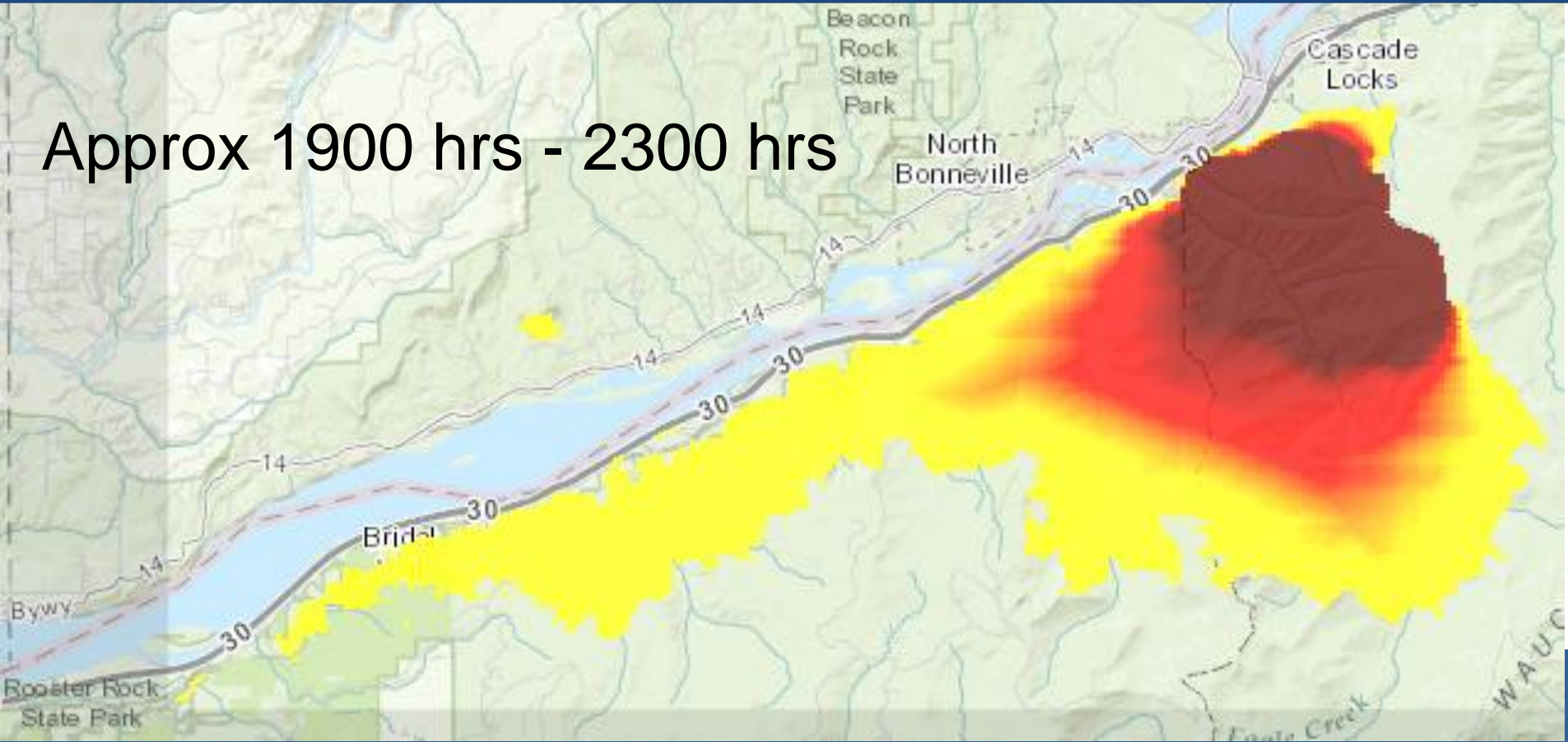
- 48,831 Acres
- First reported Sept. 2; 100% 'containment' on Nov. 30
- National forest: 47,231
 - State of Oregon: 45 acres
 - Oregon state parks: 1,282 acres
 - Private land: 230 acres
- 4 homes lost
- 12 day EOC activation
- 13 day Shelter Operations
- 563 Animals Sheltered
- \$481,452 and counting (county costs)
- Over 2,000 volunteer hours
- **Zero lives lost**



09-04-17 approximately 1100 hours



Approx 1900 hrs - 2300 hrs



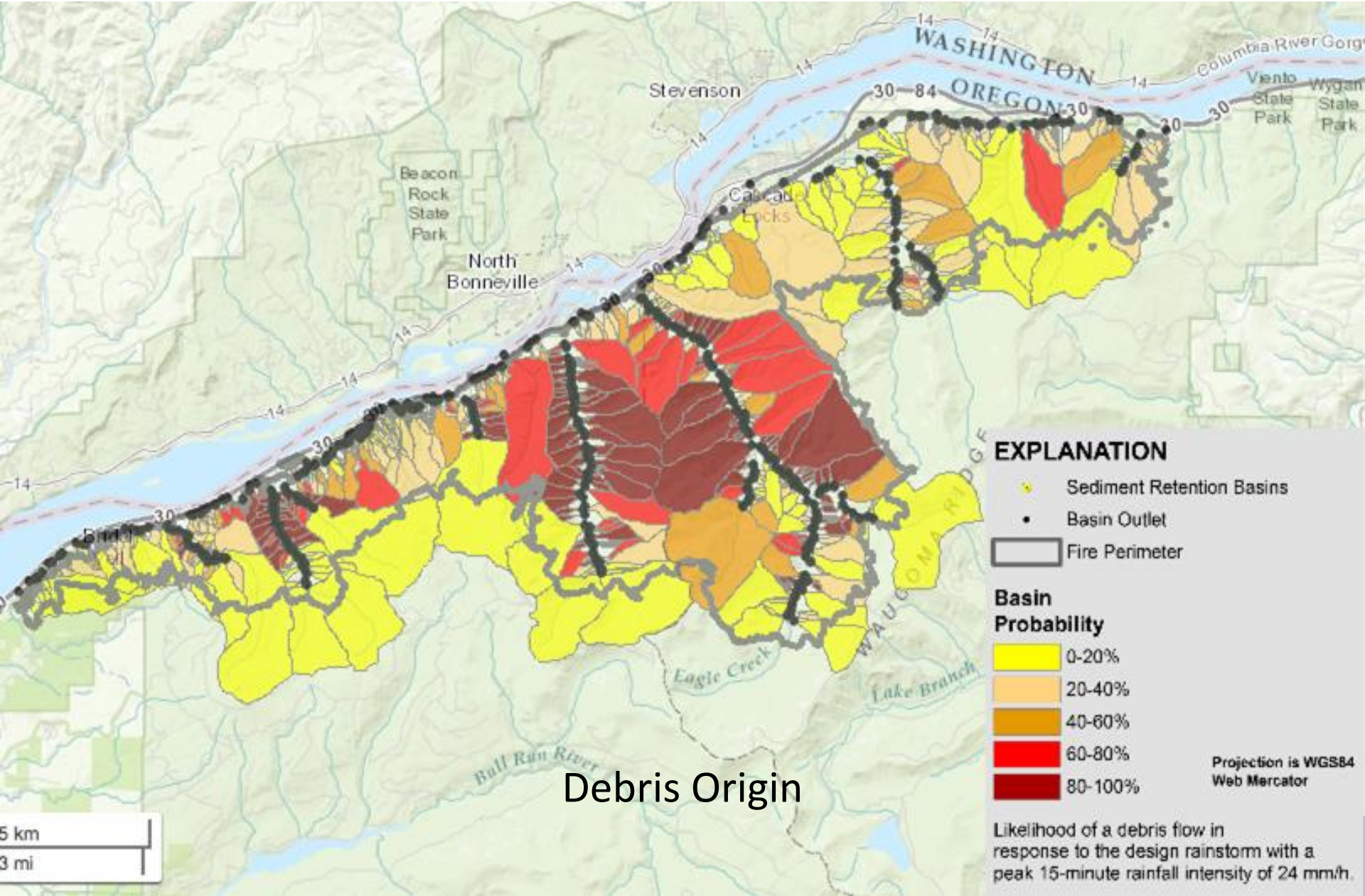
09-04-17 at 2030 hours



Monday, September 4, 2017 8:34:57 PM
whereintheGorge.com © 2017 F seconds ISO



Land Movement Response Planning



**How / Where are you
going to get your
information?**

TRAPLINE



NFPA[®]

1616

**Standard on
Mass Evacuation, Sheltering,
and Re-entry Programs**

2017



Evacuation

EVACUATION TEAM MEMBERS / PHONE #		PRESENT - CONTACTED IN PERSON?	# OF OCCUPANTS (Note #K & # A)	LEAVING? (at level 1, 2, or 3?)	LANGUAGE OTHER THAN ENGLISH? (Specify language in notes)	# OF PETS (dogs, cats, gerbils, etc)?	# OF LIVESTOCK	TRANSPORT FOR ANIMALS NEEDED?	SHELTER INFO GIVEN	MEDICAL NEEDS? (Specify in notes)	VACANT / OCCUPIED	TEAM #:										
1.												ASSIGNMENT #:										
2.												PAGE OF										
3.												ADDITIONAL COMMENTS:										
4.																						
5.																						
RESIDENT'S LAST NAME / CELL PHONE												STREET ADDRESS										
/		Y	N	K	A	Y	L?	E	N	#	N		#	N	Y	N	Y	N	Y	N	V	O
COMMENTS / NEEDS:																						



Evacuation Team

- Multnomah County Sheriff
- Volunteers
- Citizen Patrol
- Portland Police
- Other Local Police
- US Forest Service
- Oregon State Police
- County Transportation
- Fire Departments



Wildfires

- **Surface fire:** most common; burns along forest floor; moves slowly and kills or damages trees;
- **Ground fire:** usually started by lightning; burns on or below the forest floor
- **Crown fire:** spreads rapidly by wind and moves quickly by jumping along the tops of trees

Severe drought and fuel buildup have led to a significant increase in US wildfires



Forests of Yesterday

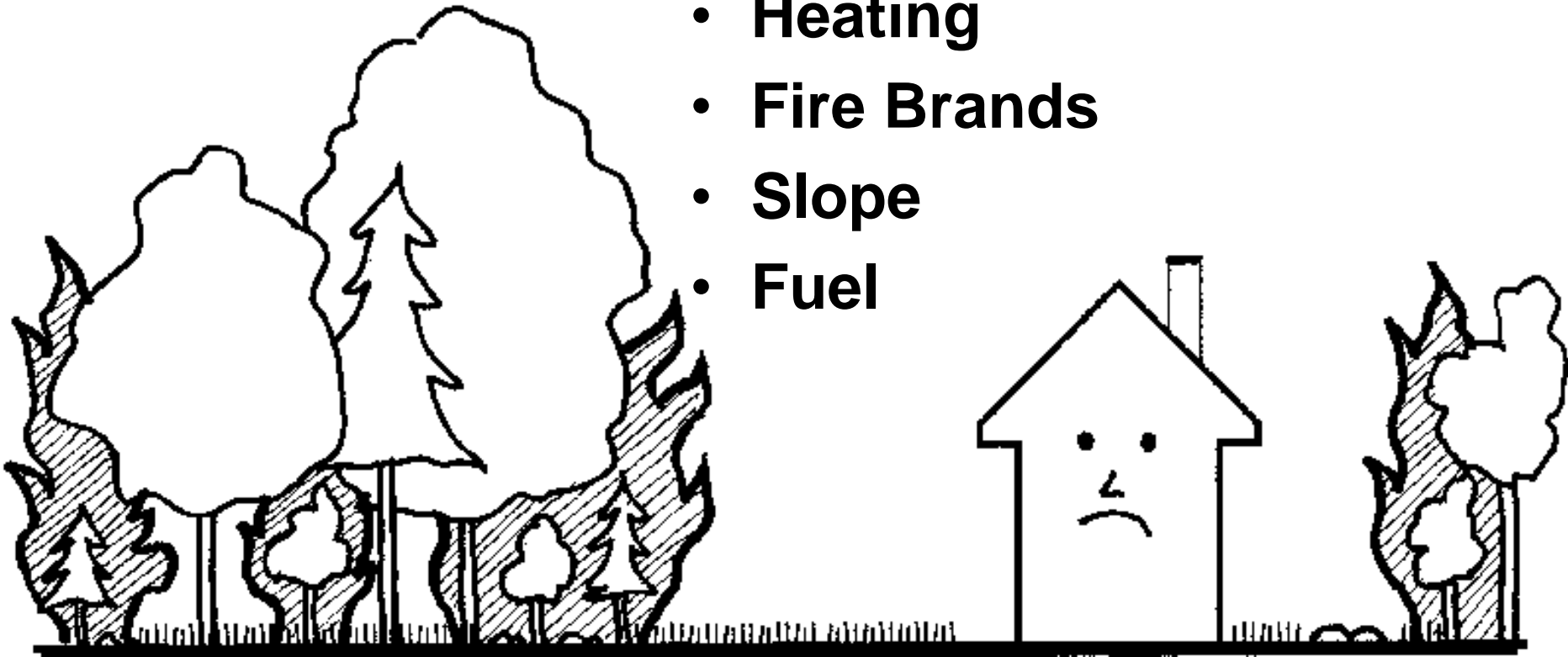


Forests of Today



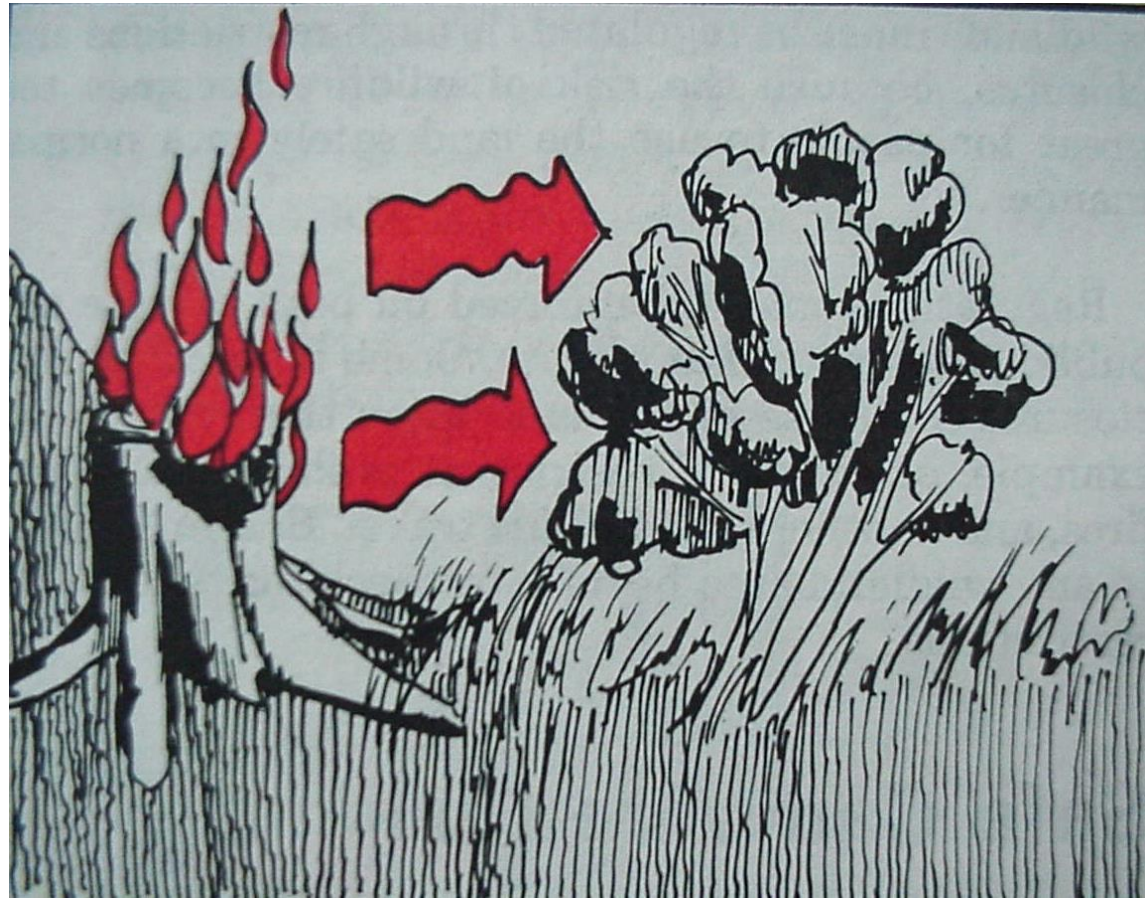
How Wildfire Spreads

- **Weather**
 - Temperature
 - Relative Humidity and Precipitation
 - Wind
- **Heating**
- **Fire Brands**
- **Slope**
- **Fuel**



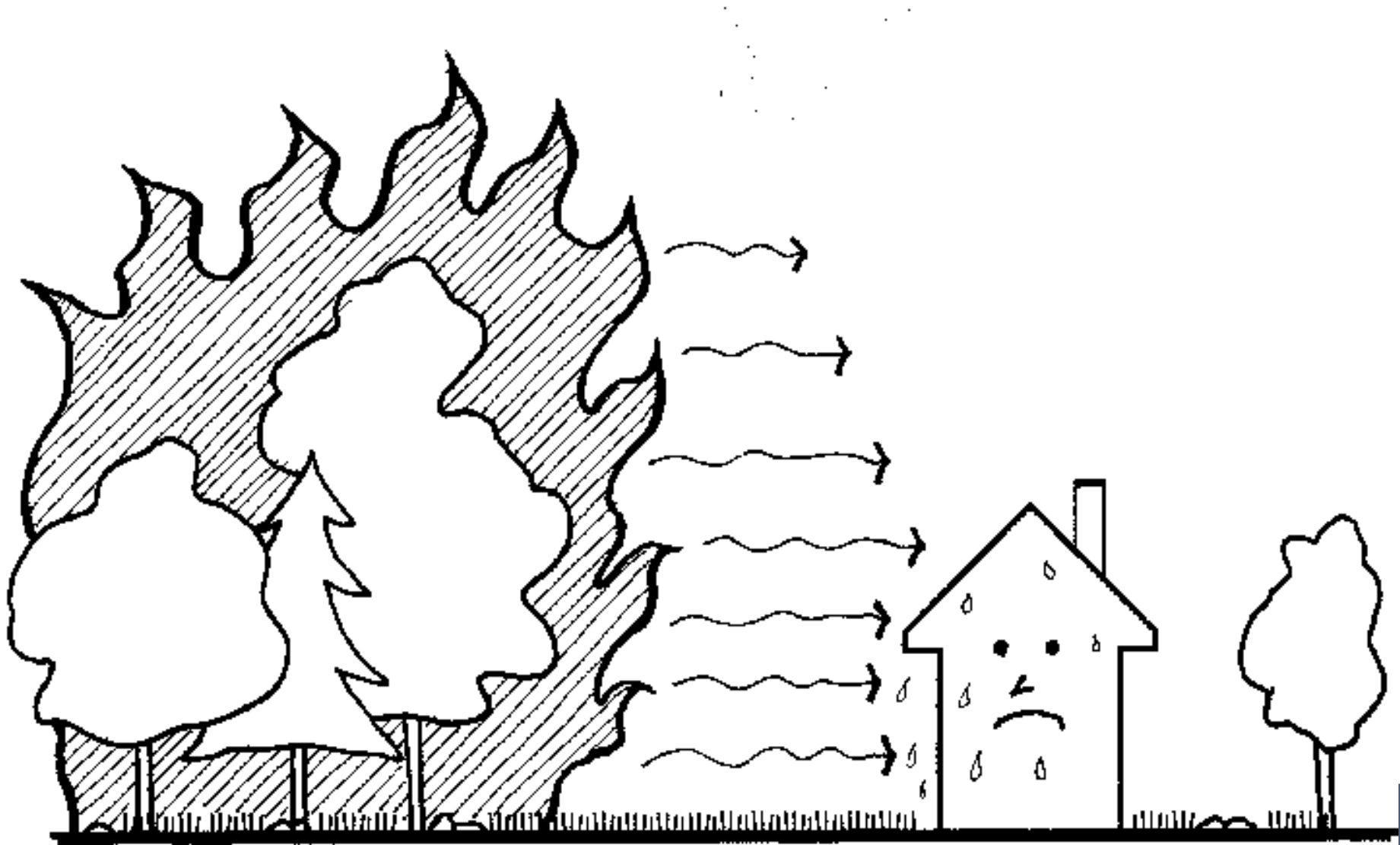
How Wildfire Spreads

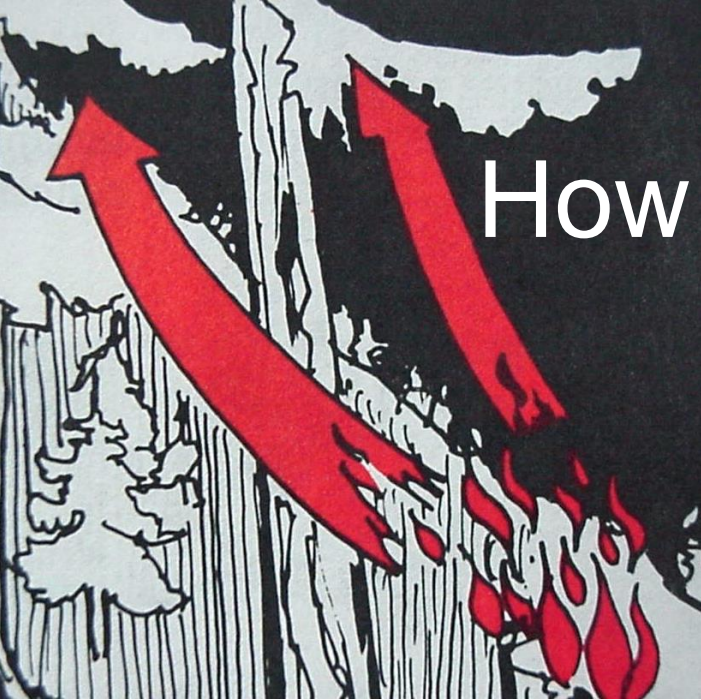
Heating - Conduction



How Wildfire Spreads

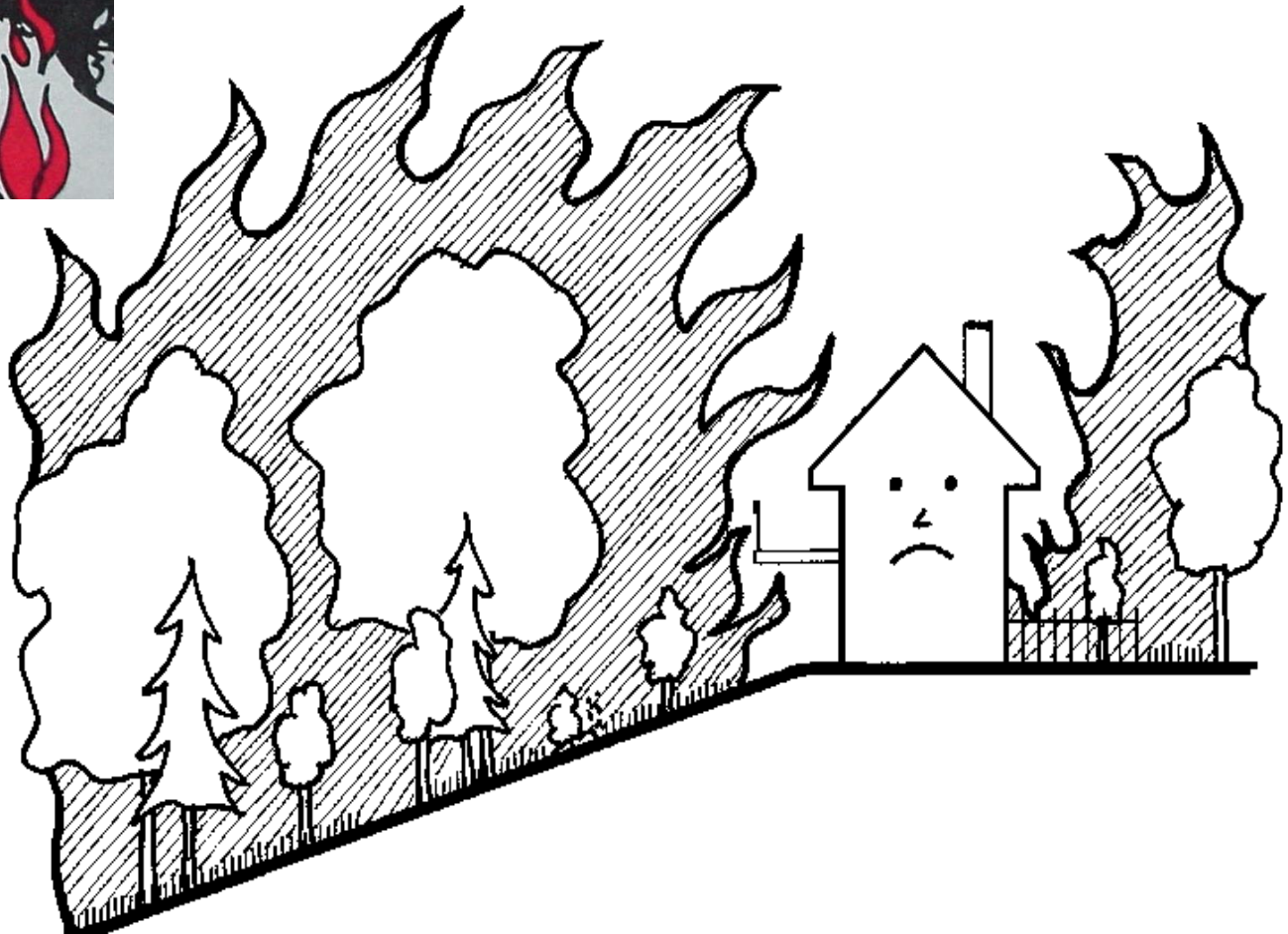
Radiation





How Wildfire Spreads

Heating - Convection

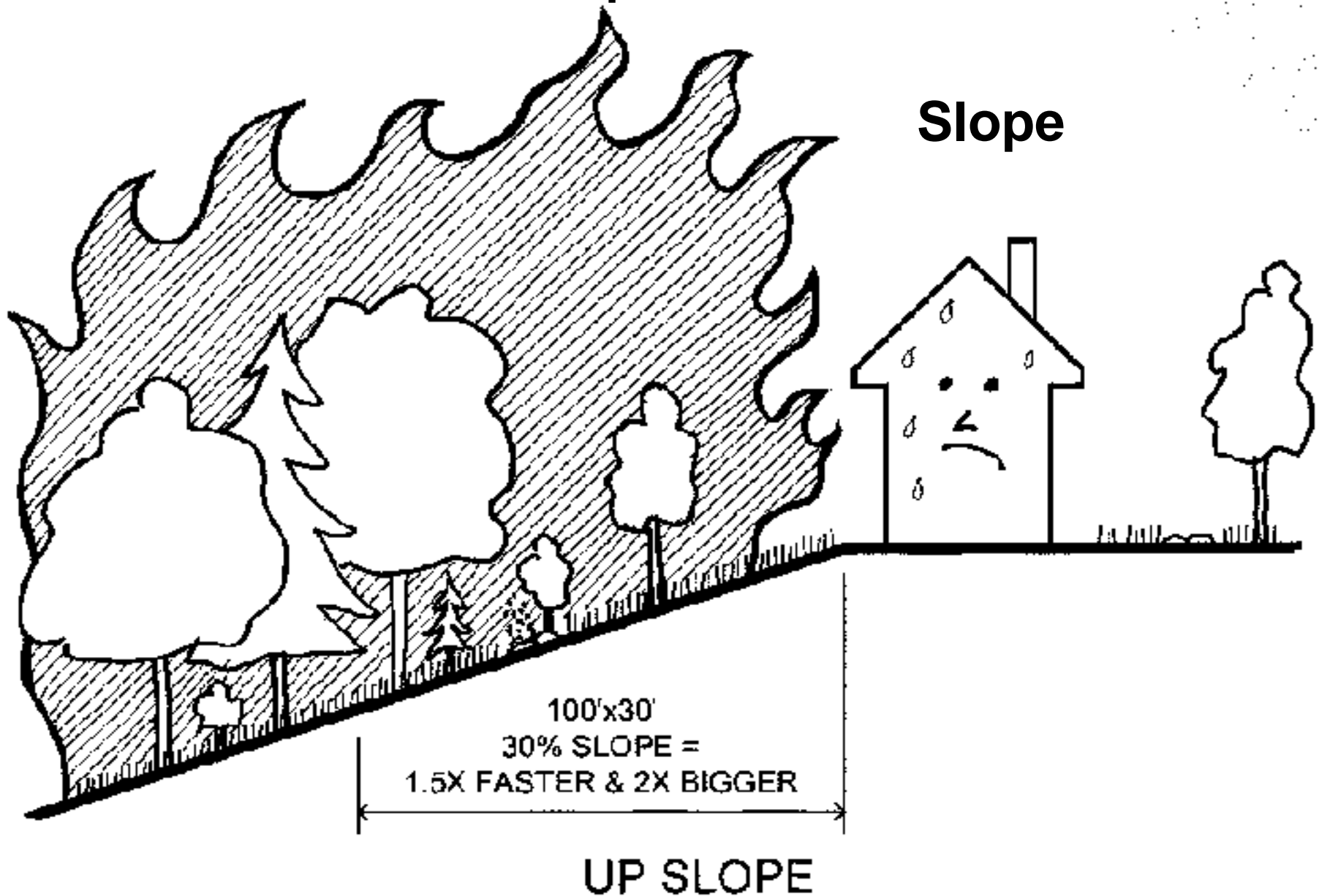


How Wildfire Spreads

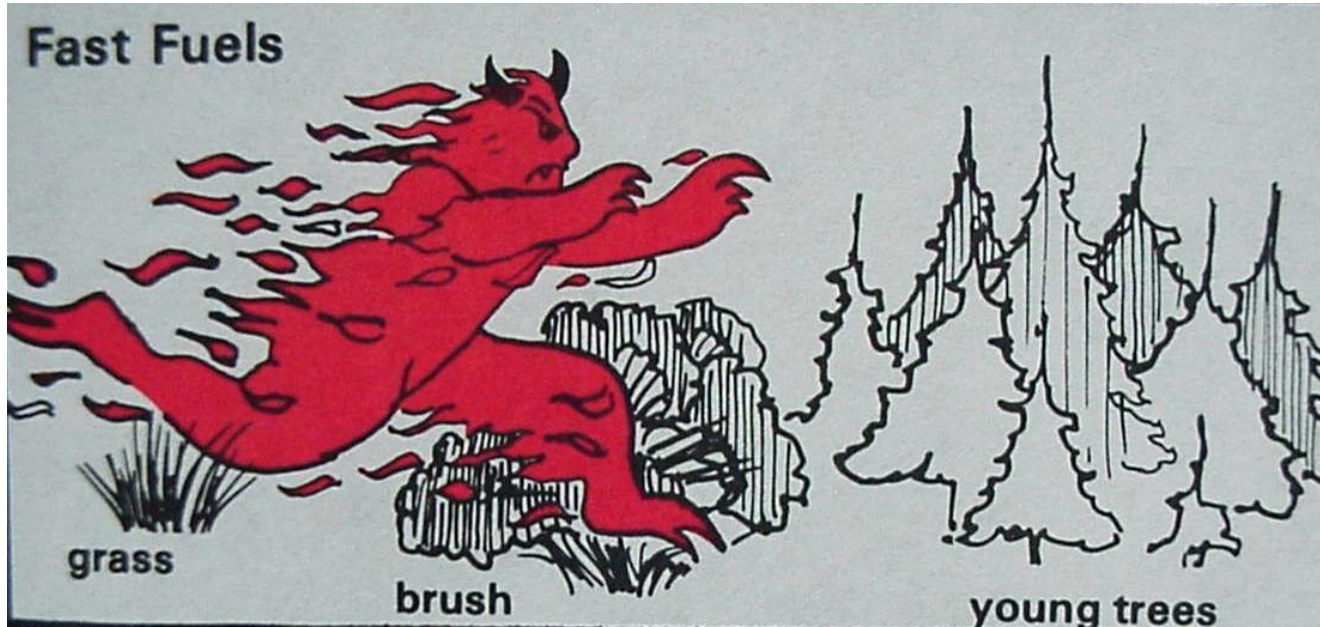
Fire Brands



How Wildfire Spreads



Fuel Loading

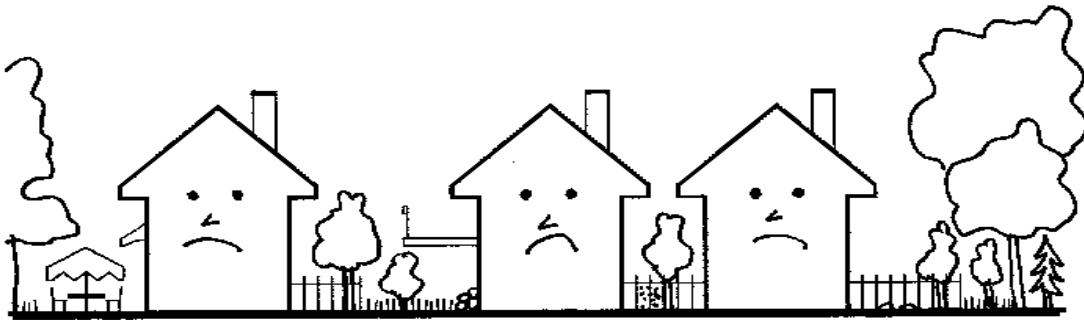


or “Fine”

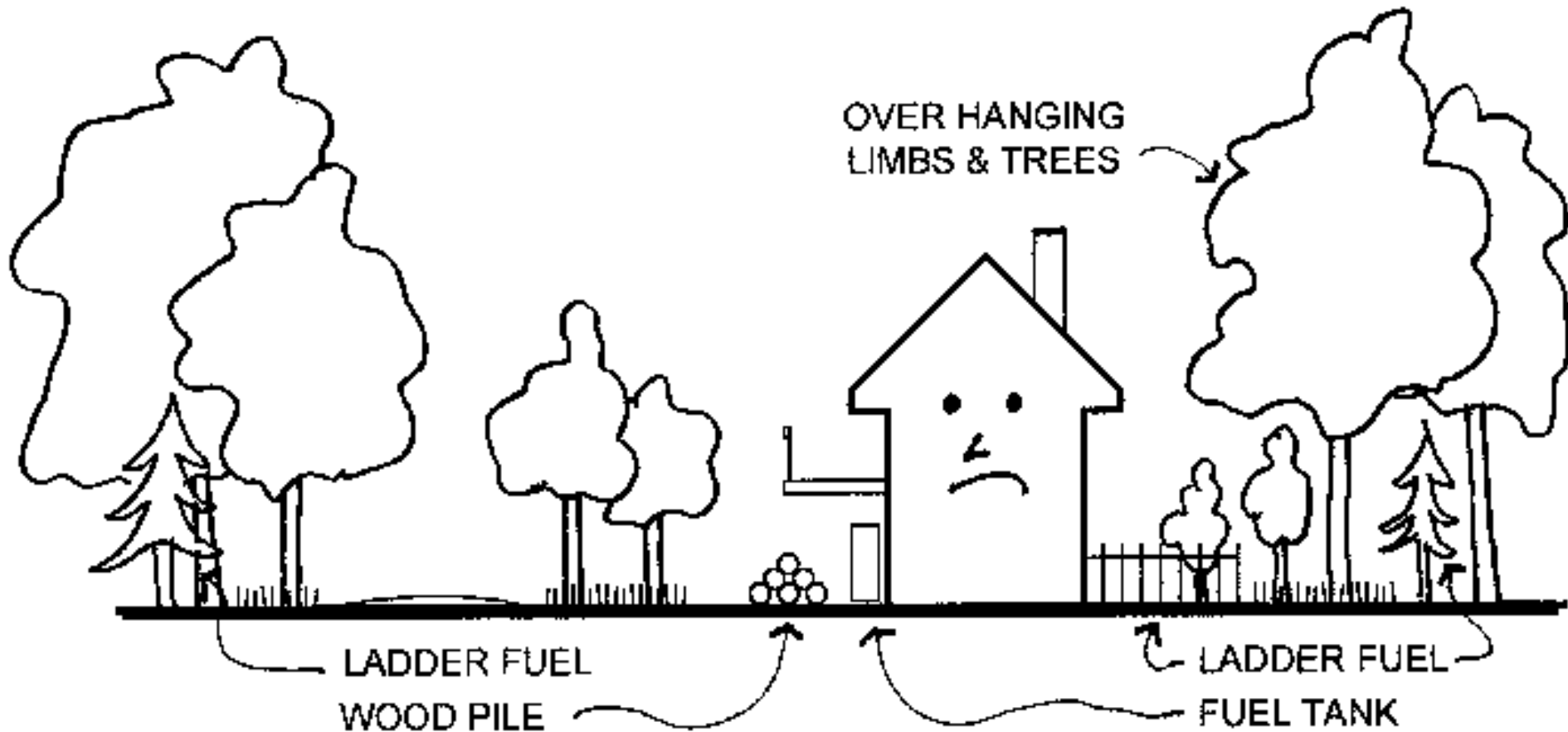
“Heavy” or



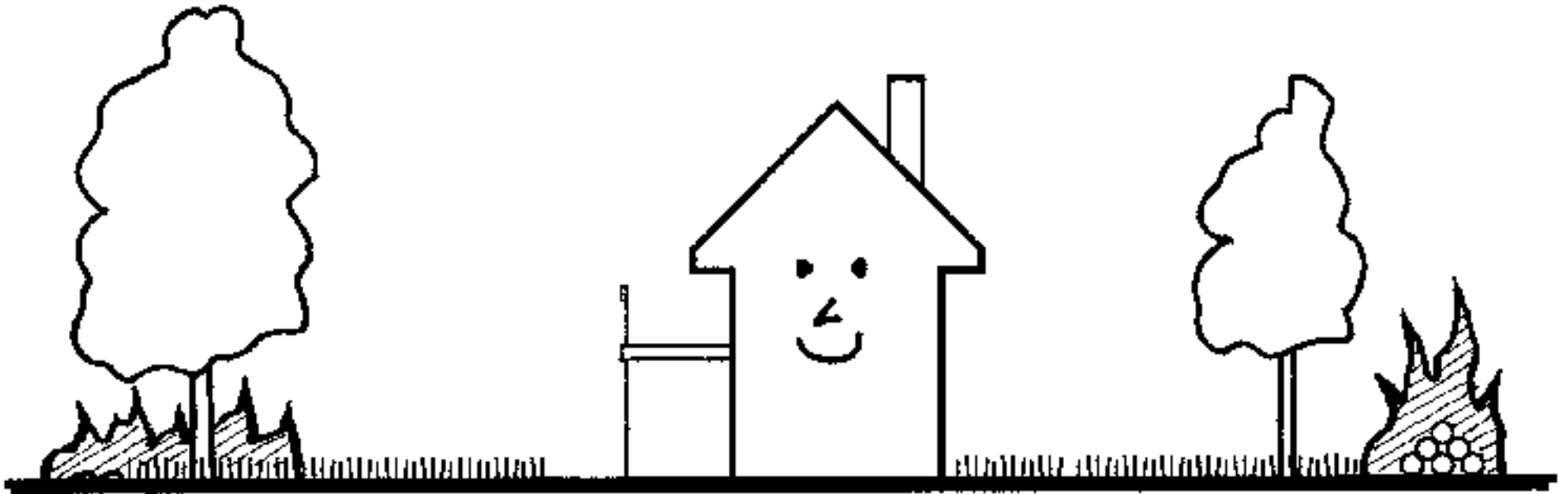
Fuel Distribution



STRUCTURAL DENSITY



The less vegetation for the fire to consume
as it approaches the house
The Better





Others....





Defensible Space

The area between a house (or given point) and an oncoming wildfire where vegetation has been modified to reduce the wildfire threat and to provide an opportunity for firefighters to effectively “defend” the house (or point).



Before / After





Problem Areas

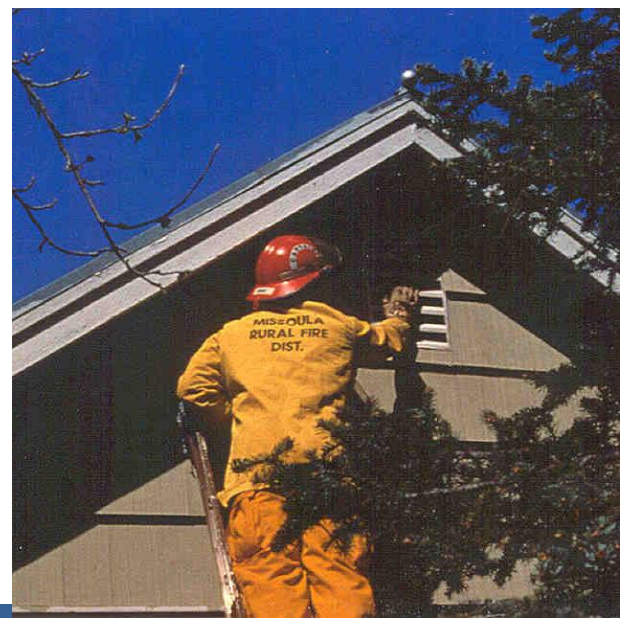
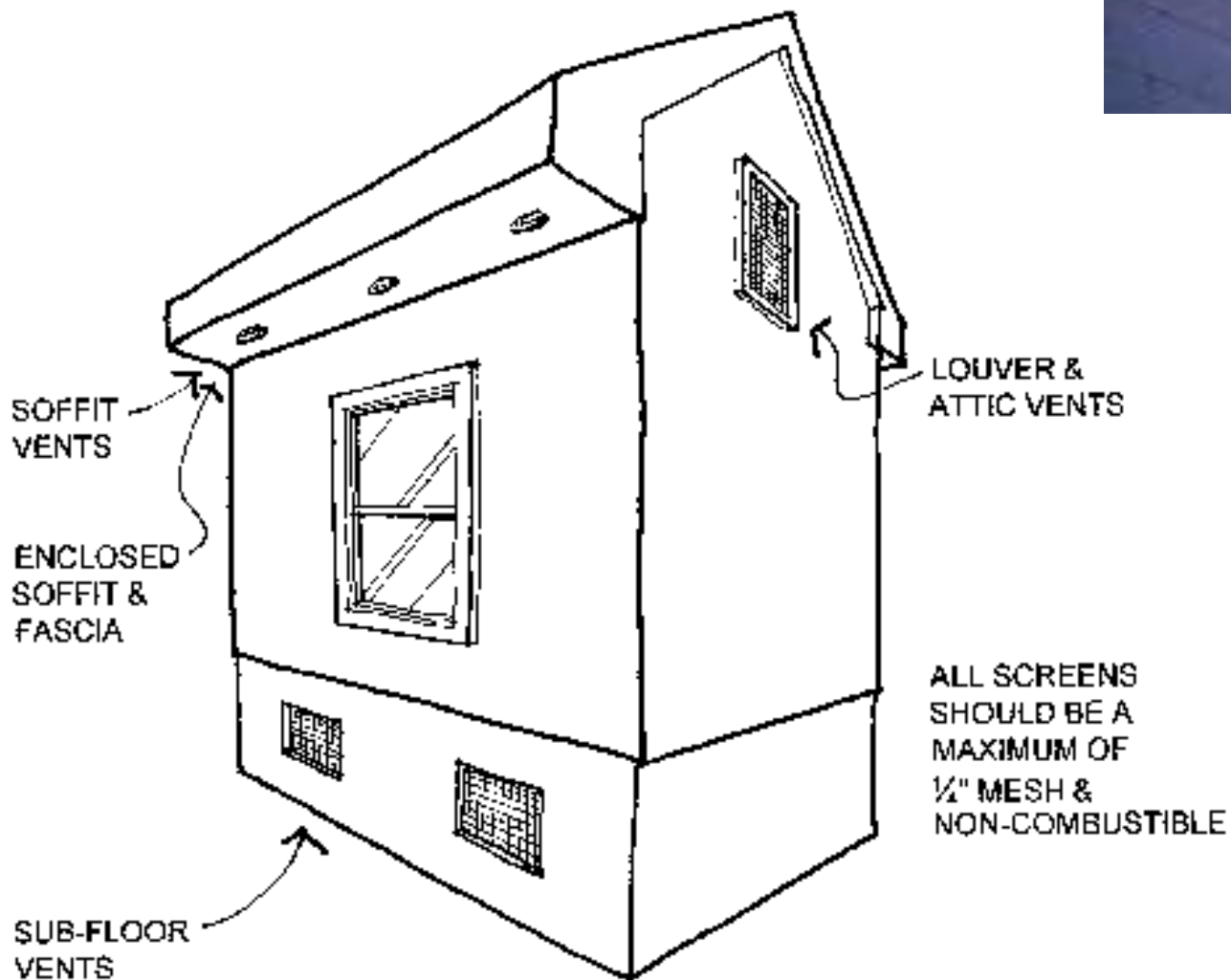


Fire Safe Roofing

Give your home a fighting chance.

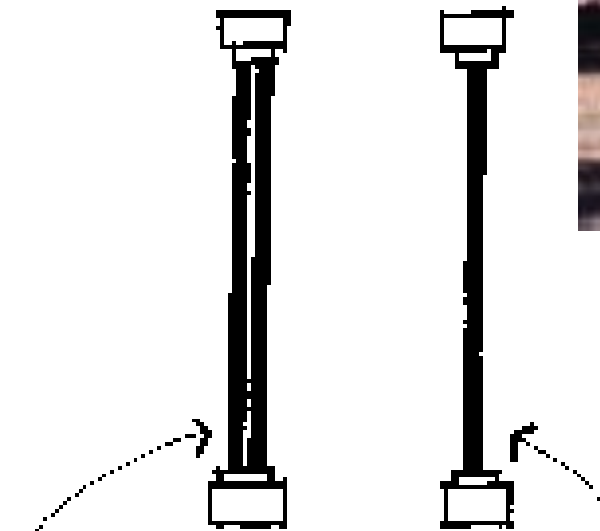
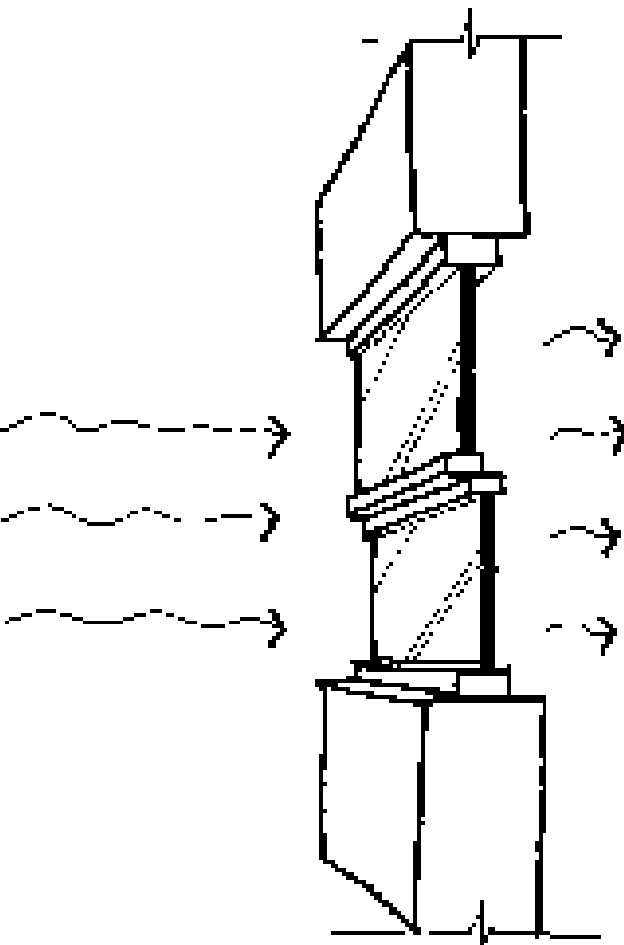


Screen Vents



Windows

Double pane or Tempered window glazing.



DOUBLE PANE OR TEMPERED
WINDOW GLAZING WILL FILTER OUT
EXTREME HEAT BETTER THAN SINGLE
PANE OR NON-TEMPERED WINDOW
GLAZING



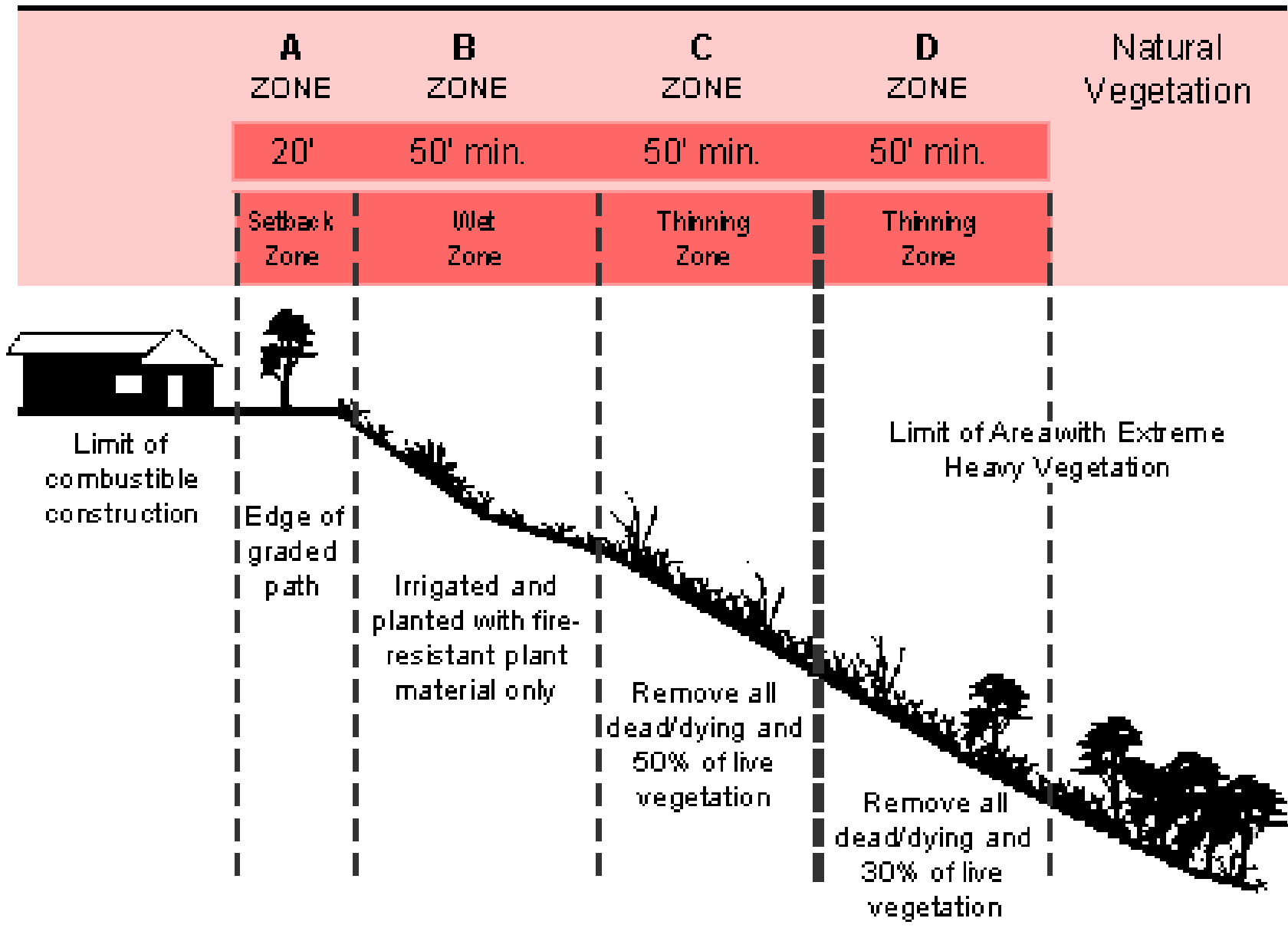
Enclose Areas

If leaves or other forest debris gathers there, so will fire brands.
Enclose the space under your decks and eaves



Living with Fire Give your home a fighting chance.

Fuel Modification Diagram

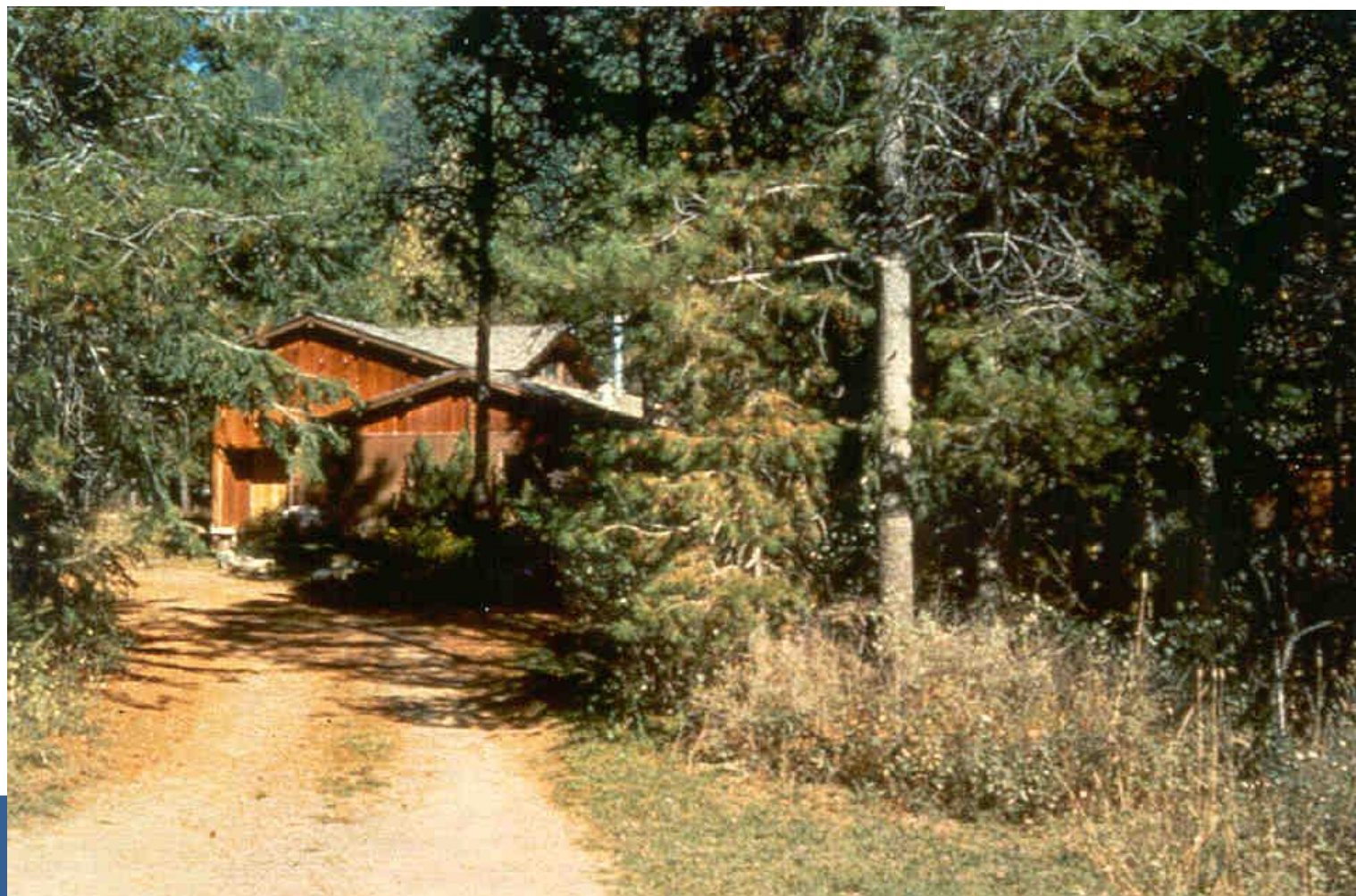


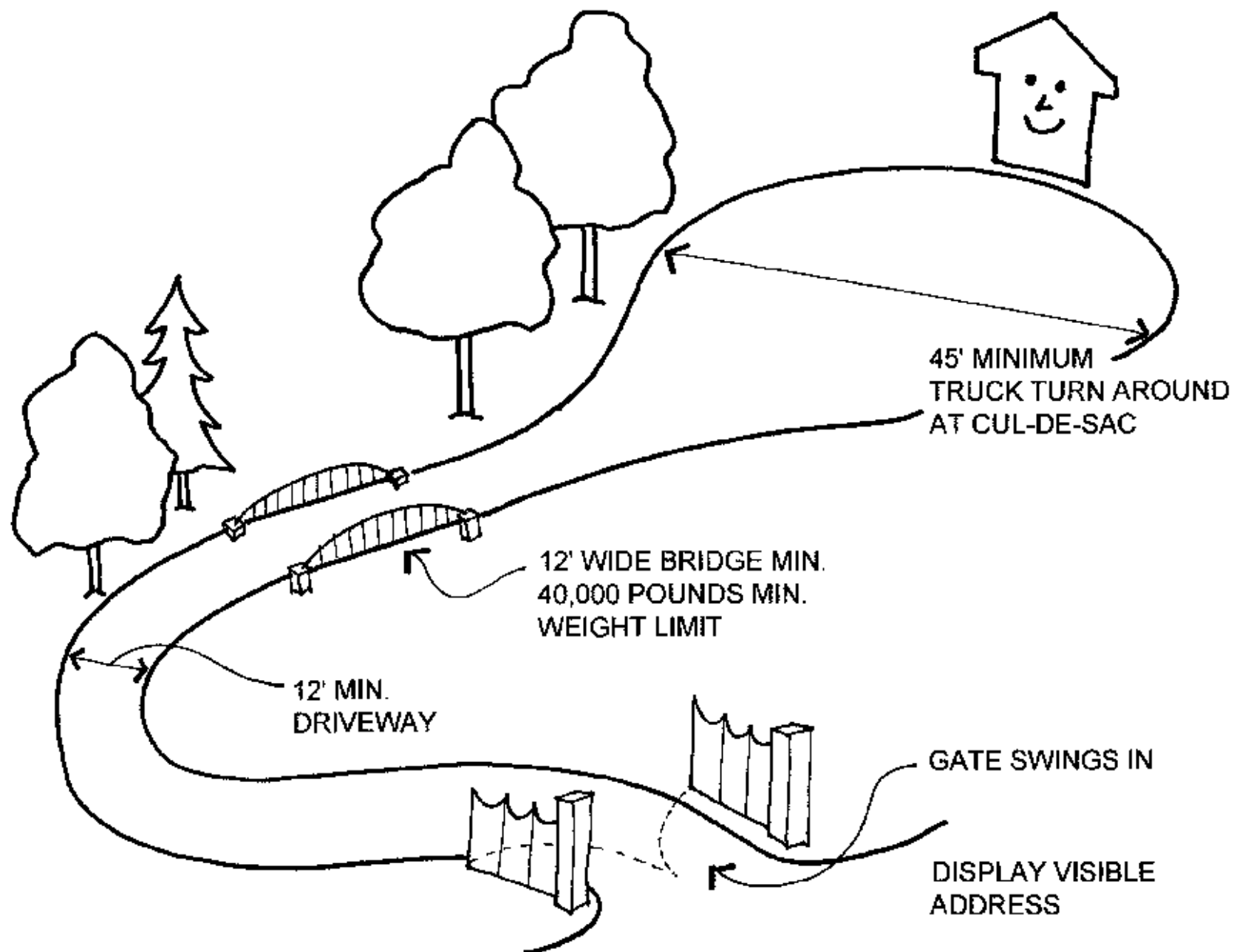


Addressing
If you can't be found...

LEGIBLE WAY

107





GATE, ROADS & BRIDGES

