



Very High Fire Hazard Severity Zone Maps





The California Department of Forestry and Fire Protection's Fire and Resource Assessment Program (FRAP) assesses the amount and extent of California's forests and rangelands, analyzes their conditions and identifies alternative management and policy guidelines.

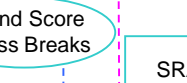
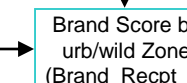
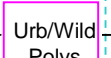
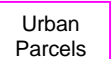
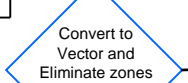
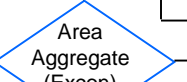
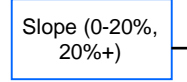
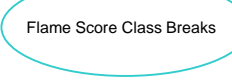
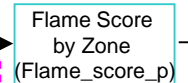
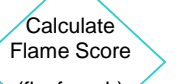
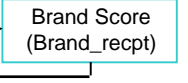
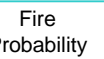
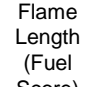
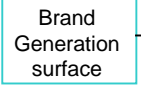
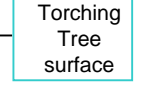
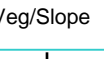
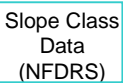
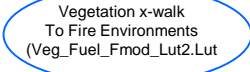
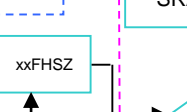
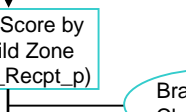
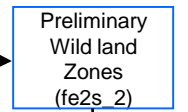
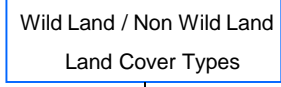
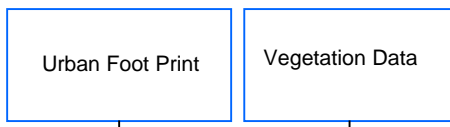
• FRAP Staff Includes:

- Research Analyst (GIS)
- Research Program Specialist (Economics)
- Program/ Research Manager
- Research Program Specialist (Urban Forestry Economics)
- Research Analyst
- Environmental Scientist (3)
- Research Program Specialist (GIS)
- Staff Service Analyst (2)
- Environmental Scientist (Fire and Biodiversity)
- Research Program Specialist (Remote Sensing/ Vegetation/ Fire)
- Research Program Specialist (Fire Modeling and Behavior)
- Climate Change and Forest Inventory Specialist
- Research Program Specialist (Remote Sensing/ Watershed)



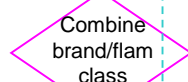
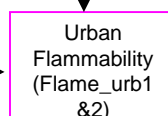
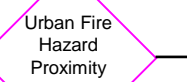
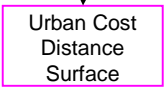
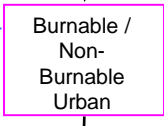
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Create Wild Land and Urban Zones

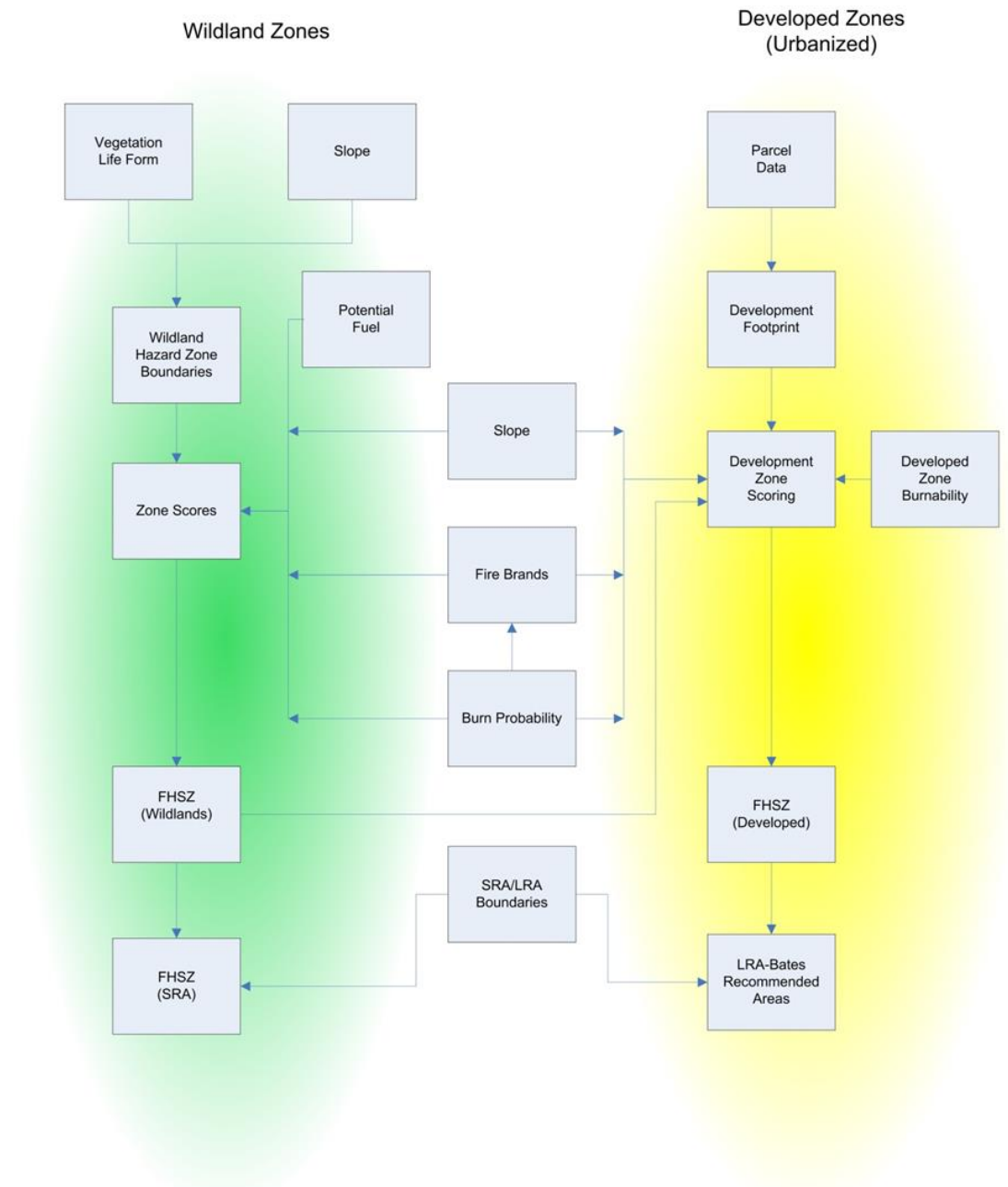


Score Wild Land Zones

Score Urban Zones



FIRE HAZARD SEVERITY ZONING MODEL STRUCTURE

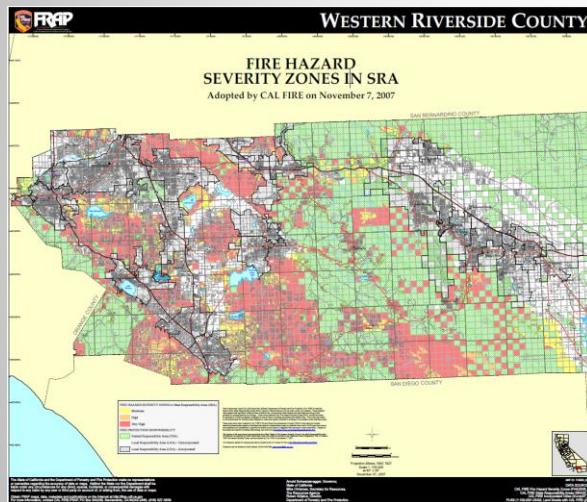


Hazard vs. Risk

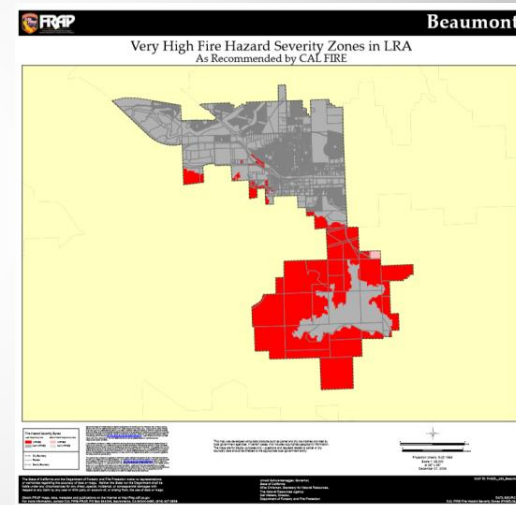
- Hazard
 - Physical conditions that can cause damage.
 - (Fixed)
- Risk
 - Expected damage a particular hazard is estimated to produce.
 - (Variable)
- **CA GC 51178:** The director shall identify areas in the state as very high fire hazard severity zones based on consistent statewide criteria and based on the severity of fire hazard that is expected to prevail in those areas. Very high fire hazard severity zones shall be based on fuel loading, slope, fire weather, and other relevant factors including areas where Santa Ana, Mono, and Diablo winds have been identified by the Department of Forestry and Fire Protection as a major cause of wildfire spread.

LRA Very High Fire Hazard Severity Zones

There are two sets of Fire Hazard Severity Zone Maps



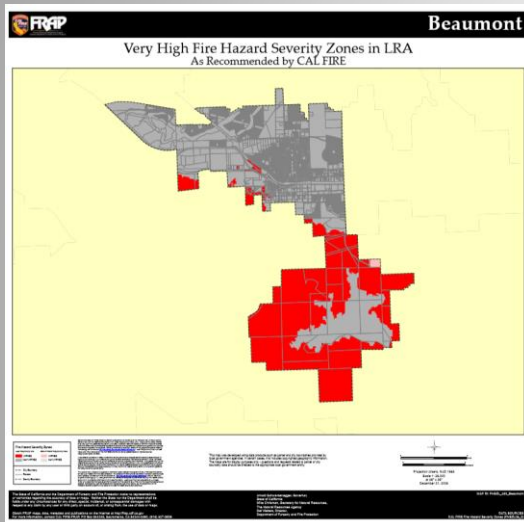
SRA Maps








LRA Maps

LRA Very High Fire Hazard Severity Zones

VHFHSZ in the LRA



FIRE HAZARD SEVERITY ZONES

Local Responsibility Area		State or Federal Responsibility Area	
	VHFHSZ		VHFHSZ
	Non-VHFHSZ		Non-VHFHSZ
 Incorporated Cities			

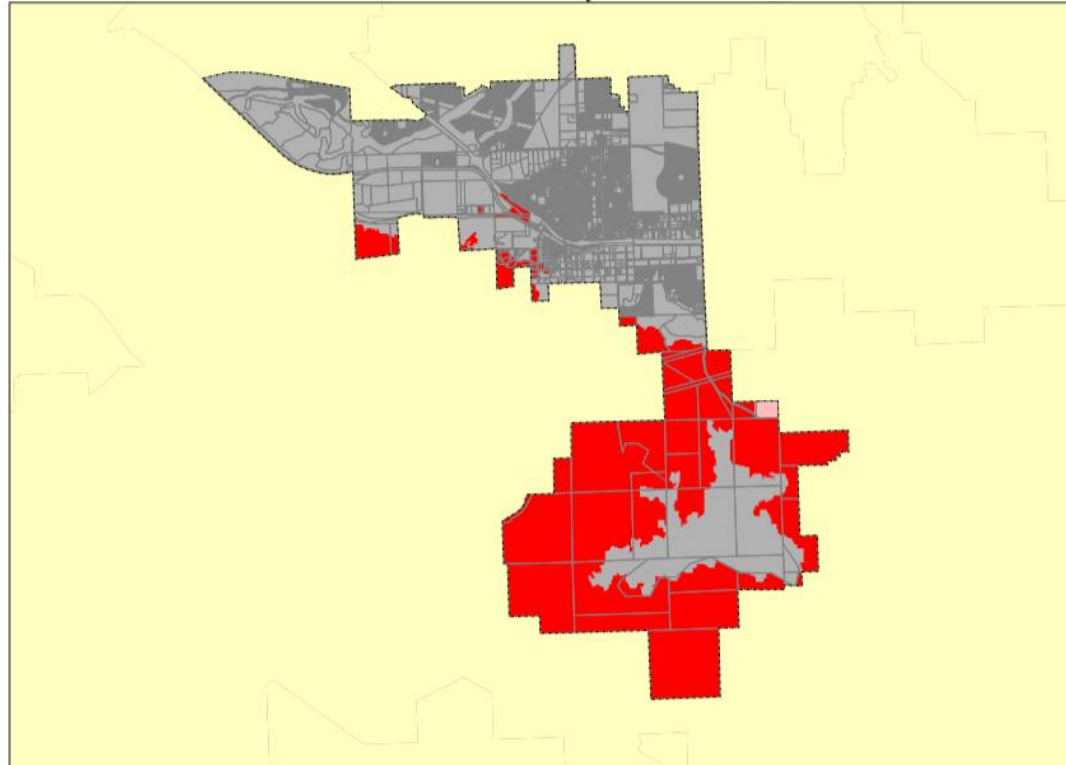
- Bates Bill (AB 337 1992)
- Requires CAL FIRE to work with LG and recommend LRA fire hazard severity zones
- Director makes draft LRA recommendations
- Local government must make the recommendations available for public review
- Local government can include additional based on substantial evidence
- Local governments have 120 days to adopt the maps by ordinance

Beaumont VHFHSZ (LRA)



Beaumont

Very High Fire Hazard Severity Zones in LRA As Recommended by CAL FIRE



The Hazard Severity Zones
 VHFHSZ
 HHSZ
 MHSZ
 LHSZ
 City Boundary
 Water
 County Boundary

Very High Fire Hazard Severity Zones (VHFHSZ) are areas where the potential for catastrophic fire loss is high. These areas are identified based on a combination of factors including fuel load, topography, and wind patterns. The map is for informational purposes only and does not constitute a guarantee of accuracy. For more information, contact CAL FIRE at 925-933-2100.

This map was developed using data provided by the City of Beaumont and other local government agencies. The map is for informational purposes only and does not constitute a guarantee of accuracy. For more information, contact CAL FIRE at 925-933-2100.



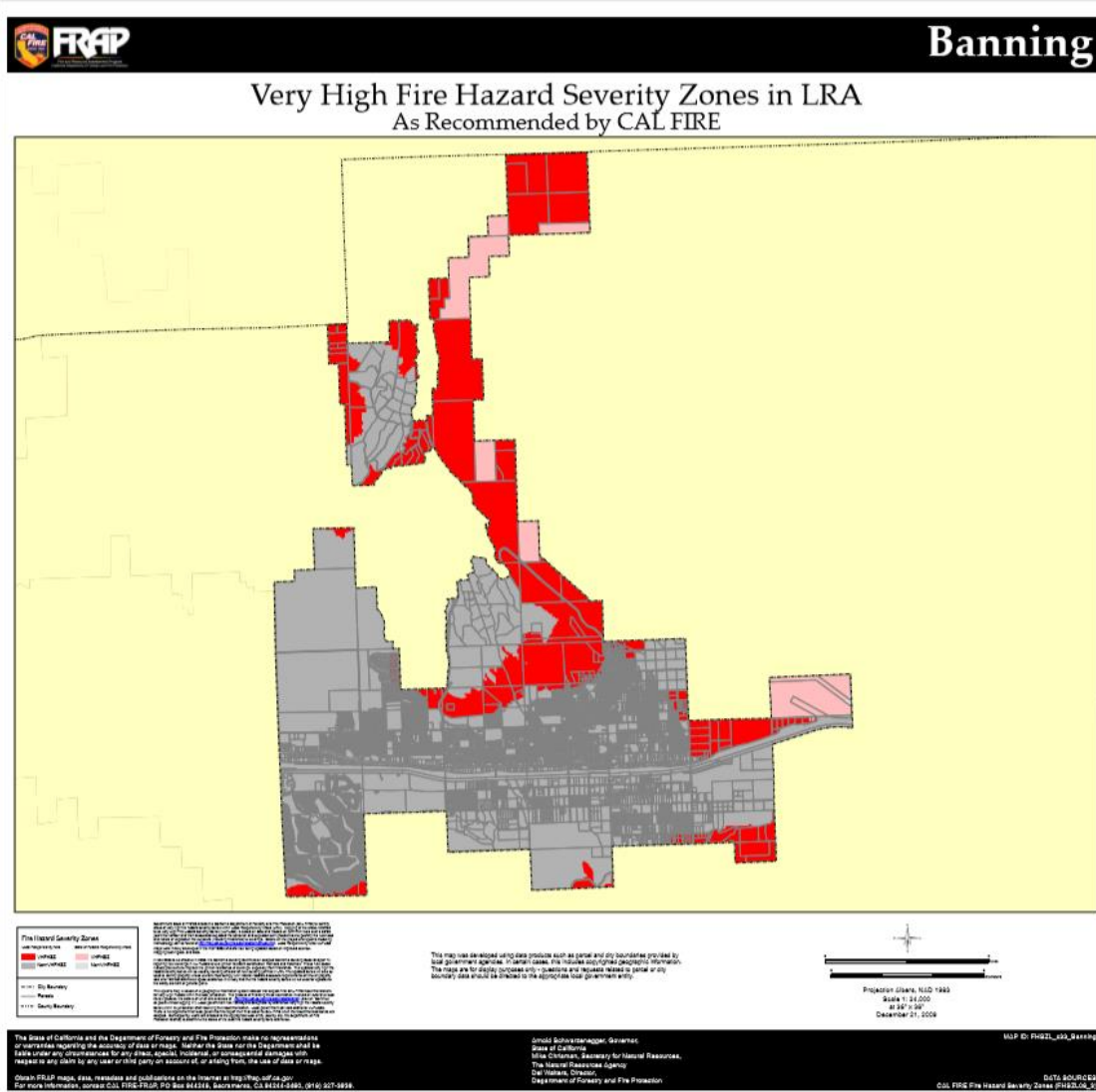
The State of California and the Department of Forestry and Fire Protection make no representations or warranties regarding the accuracy of data or maps. Neither the State nor the Department shall be liable under any circumstances for any direct, indirect, incidental or consequential damages with respect to any claim by any user of this data or map.

City of Beaumont, California
 Department of Forestry and Fire Protection

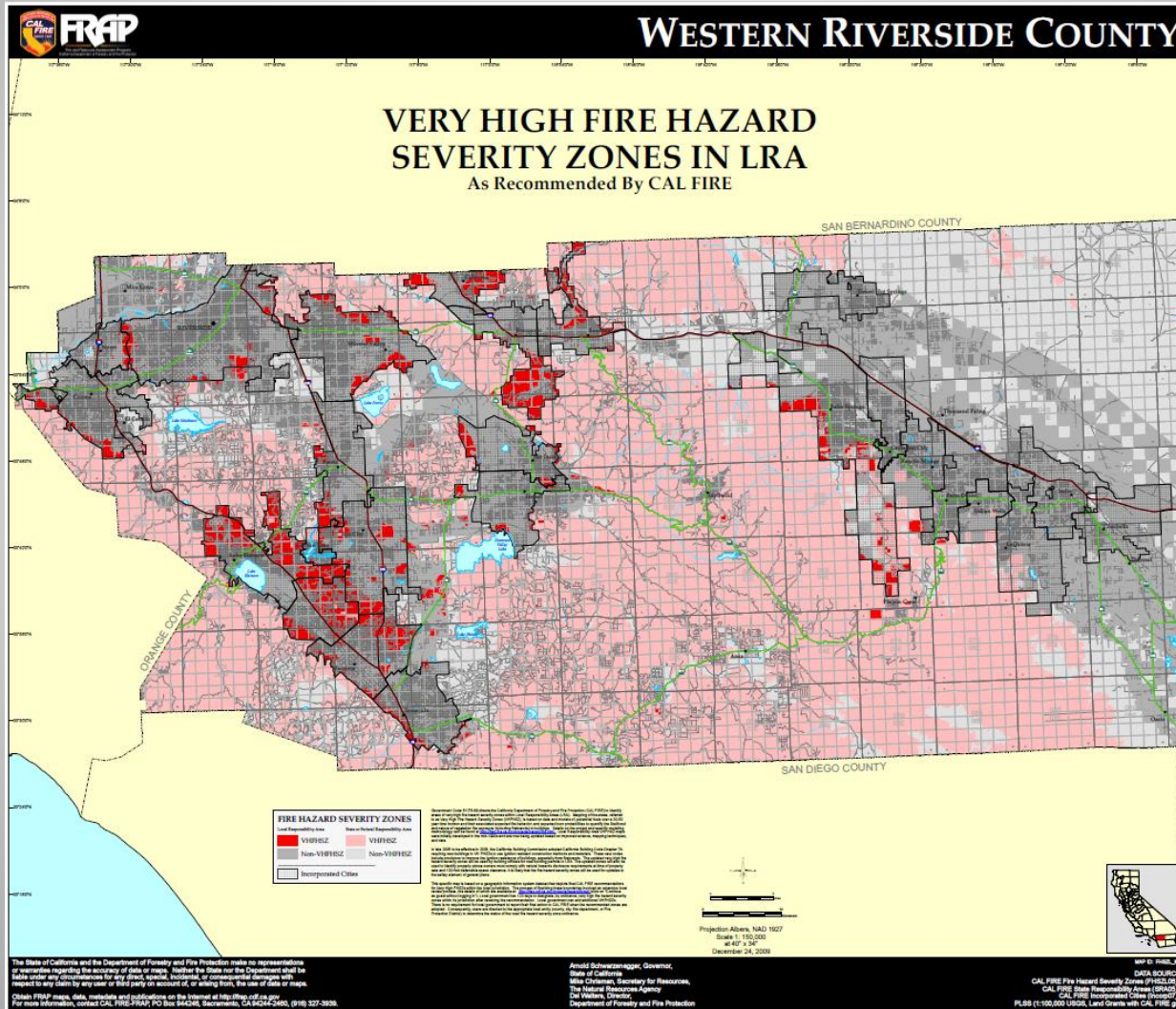
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 DATE: 12/21/08
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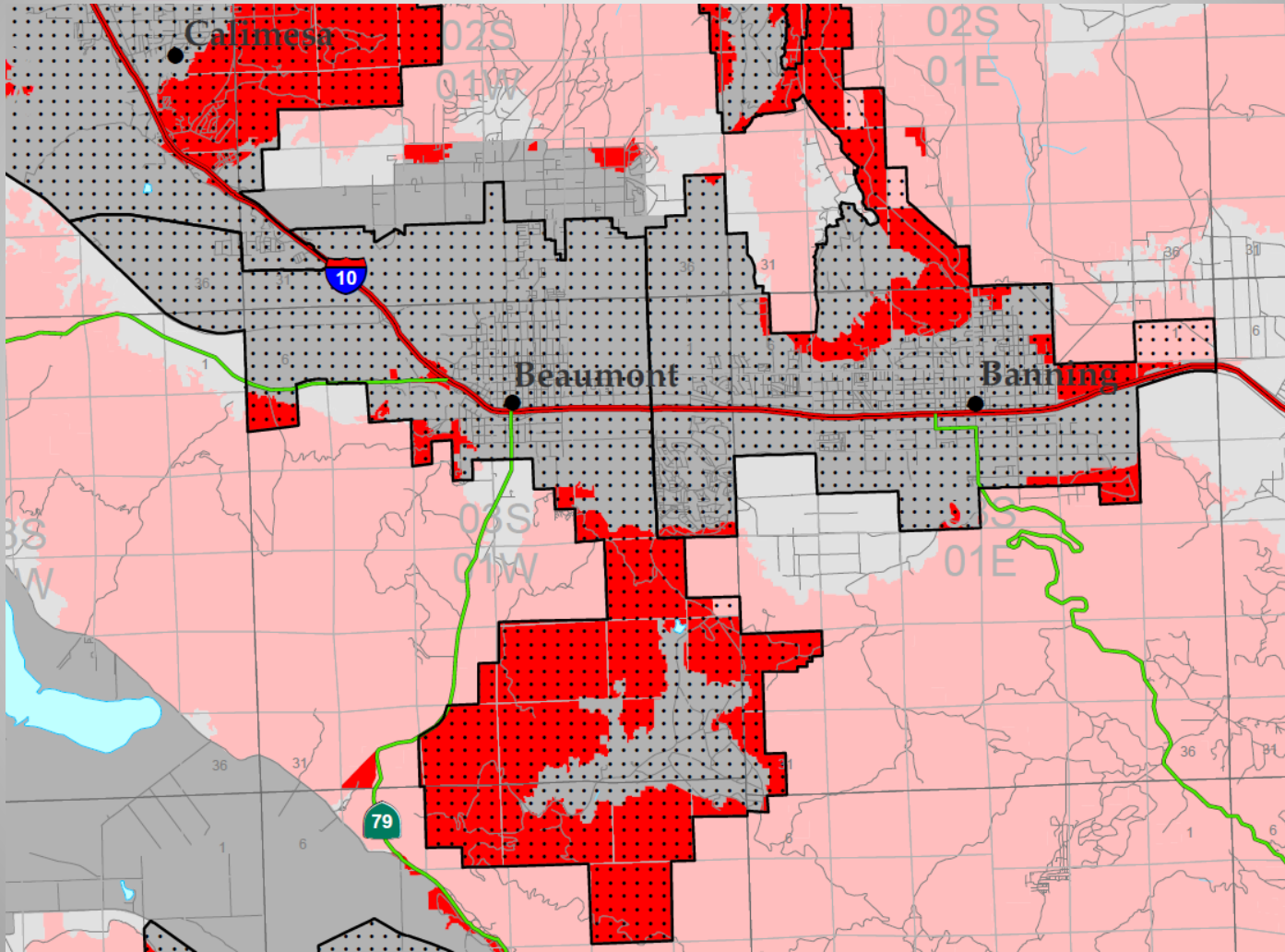
Banning VHFHSZ (LRA)



Western Riverside County VHFHSZ (SRA/ LRA)



Beaumont/ Banning



What is Required in the VHFHSZ?

- More comprehensive building construction and vegetation mitigation standards:
 - California Building Code (Chapter 7A): MATERIALS AND CONSTRUCTION METHODS FOR EXTERIOR WILDFIRE EXPOSURE
 - CA Public Resource Code 4290 (July 01, 2021)
 - (Board of Forestry and Fire Protection Fire Safe Regulations)
 - Road Standards
 - Signage
 - Private Water Supply
 - Fuel Breaks and Greenbelts
 - Compliance with CA Government Codes 51175-51189
 - CA Government Code 51182: (Vegetation Clearance Requirements)



2019 Changes to Map Adoption

California Government Code 51175-51189

51179.

- (a) A local agency shall designate, by ordinance, very high fire hazard severity zones in its jurisdiction within 120 days of receiving recommendations from the director pursuant to subdivisions (b) and (c) of Section 51178.
- (b) A local agency may, at its discretion, may **include** areas within the jurisdiction of the local agency, not identified as very high fire hazard severity zones by the director, as **very** high fire hazard severity zones following a finding supported by substantial evidence in the record that the requirements of Section 51182 are necessary for effective fire protection within the area.
- (c) The local agency shall transmit a copy of an ordinance adopted pursuant to subdivision (a) to the State Board of Forestry and Fire Protection within 30 days of adoption.
- (d) Changes made by a local agency to the recommendations made by the director shall be final and shall not be rebuttable by the director.



LRA Very High Fire Hazard Severity Zones

California Government Code 51175-51189

51179 (cont.)

(e) The State Fire Marshal shall prepare and adopt a model ordinance that provides for the establishment of very high fire hazard severity zones.

(f) Any ordinance adopted by a local agency pursuant to this section that substantially conforms to the model ordinance of the State Fire Marshal shall be presumed to be in compliance with the requirements of this section.

(g) A local agency shall post a notice at the office of the county recorder, county assessor, and county planning agency identifying the location of the map provided by the director pursuant to Section 51178. If the agency amends the map, pursuant to subdivision (b) or (c) of this section, the notice shall instead identify the location of the amended map.



LRA Very High Fire Hazard Severity Zones

California Government Code 51175-51189

The local government must meet additional requirements upon adoption

1. [Gov. Code 51182](#): Requires the landowner to maintain defensible space, **and** the building official to provide certification to the owner/ insurance company that construction complies with current code
2. [Gov. Code 51183.5](#): Disclosure of property being in a VHFHSZ by the transferor via the Local Option Real Estate Disclosure Statement or the Natural Hazard Disclosure Statement (Calif. Civil Code 1103)
3. [Gov. Code 51189](#): Dictates the State Fire Marshal, CAL FIRE, and HCD to create building design and construction requirements that use fire resistant building materials, known as [Chapter 7A of California Building Code](#): Materials and Construction Methods for Exterior Wildfire Exposure



LRA Very High Fire Hazard Severity Zones

VHFHSZ in LRA also Triggers: California Building Code Chapter 7A

- Materials and construction methods for exterior wildfire exposure
- Spells out requirements for roofs, eaves, siding, etc.
- Enforced by the agency reviewing and permitting the new development
- Applies to new buildings located in ALL SRA and any LRA that is a VHFHSZ or any Wildland-Urban Interface Fire Area designated by the enforcing agency
- Exception: Additions to and remodels of buildings originally constructed prior to the applicable application date.
- Allows for jurisdictions to require fire protection plans when needed



LRA Very High Fire Hazard Severity Zones

Summary

LRA with the designation of VHFHSZ and all SRA require additional fire safe measures.

