



Fire Hazard Severity Zones August 2024



EL CERRITO-KENSINGTON FIRE DEPARTMENT

Mission: Protect Lives and Property

Integrity Accountability Teamwork Respect Professionalism

History

- 1980 Panorama Fire (San Bernardino County)
 - 4 Deaths
 - 325 Structures
- 1981 California Public Resources Code 4201-4204
 - Required Fire Hazard Severity Maps for SRA
- 1985 First maps released
 - Danger rating approach based number of days per year of high burning index
- 1991 Tunnel Fire
 - 25 deaths
 - 3000 structures



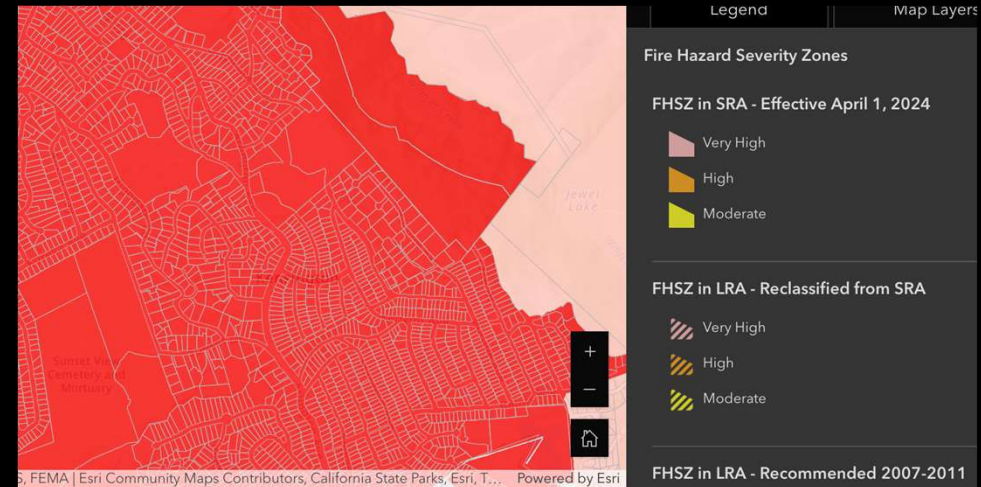
History

- 1992 Bates Law
 - Required Fire Hazard Severity Zones in LRA
 - Vegetation
 - Terrain
 - Fire History
 - Access
 - Egress
- 2007 Fire Resource Assessment Program (FRAP) completed statewide maps for SRA
 - Moderate
 - High
 - Very High
 - Fire history
 - Vegetation
 - Predicted Flame Length
 - Embers
 - Terrain
- 2011 FRAP completed maps for LRA



History

- 2012 - SB 1241
 - Required mitigation planning in long range planning documents
- 2021 – SB 63 requires the fire hazard severity zones maps in LRA
- Maps updates
 - SRA April 2024
 - LRA estimated at end of 2024



Fire Hazard Severity Zones

- Hazard – NOT Risk
 - Hazard = Physical conditions that produce likely hood of fire over a 30 to 50 year period.
 - Blind to any short term modification; building codes, fuel reduction, ETC.
 - Risk is a combination of Hazards, Consequences, and Vulnerability
 - Hazard Score = Zones – Average of score
 - Flame length
 - Embers
 - Likelihood of area burning
 - Not a Structure Loss Model



Fire Hazard Severity Zones

- Influence
 - New building codes
 - Disclosures at time of sale
 - 100 foot defensible space around buildings
 - Area new development
 - Road width
 - Signage
 - Water supply
- Maps can be viewed at
 - <https://experience.arcgis.com/experience/03beab8511814e79a0e4eabf0d3e7247/>



Risk – Insurance Models

- Threats – Consequences – Vulnerabilities (TCV)
 - Threat close to Hazards
 - Don't consider Zones
 - Consequences
 - Life and Property in \$
 - Vulnerabilities
 - Response models
 - Mitigation actions



Thank you for Support
And Partnership



Mission: Protect Lives and Property

Integrity Accountability Teamwork Respect Professionalism