

## **Executive Summary**

This multi-jurisdictional, Local Hazard Mitigation Plan was prepared by El Dorado County, the incorporated communities of Placerville, and South Lake Tahoe, and participating local Districts.

The purpose of El Dorado County's Local Hazard Mitigation Plan is to reduce or eliminate the effects that natural or man-made hazards may cause to people and property should an event occur. This plan has been prepared to meet the Disaster Mitigation Act of 2000 (DMA 2000) requirements in order to maintain El Dorado County's eligibility for FEMA Pre-Disaster Mitigation (PDM) and Hazard Mitigation Grant Programs (HMGP). More importantly, this Plan and its planning process lay out the strategy that will enable El Dorado County to become less vulnerable to future disaster losses.

The process followed the methodology prescribed by FEMA. It began with the formation of a Hazard Mitigation Planning Committee (HMPC) comprised of key County, City, Special District, and Stakeholder Representatives. The planning process examined the recorded history of losses resulting from natural disasters, identified the elements of risk and analyzed the future threat posed to the County by these hazards. The greatest risk and vulnerability to the County are associated with wild land fires and floods. The HMPC puts forth several mitigation goals and objectives that are based on the results of the risk assessment. The Plan also puts forth specific recommendations for actions that can mitigate losses from possible future disasters.

The Plan is based on a hazard identification and risk assessment of all the areas in El Dorado County that could be impacted and includes a review of the County's current hazard reduction capabilities. Specific recommendations have been made to reduce the risks and the effects of local disasters should they occur.

## Table of Contents

i. Executive Summary	i.
ii. Table of Contents	ii.
I. Introduction	
Background	I-1
Purpose	I-3
Scope	I-3
Authority	I-3
Description of the Planning Process	I-5
Overview of El Dorado County	
II. Hazard Identification and Analysis	
Wildland Fire (See Annex A.)	II-2
Floods	II-2
Dam/Levee Failure	II-9
Seiche	II-22
Earthquakes, Sinkholes and Landslides	II-23
Winter Storms	II-34
Volcano	II-35
Drought/Extreme Heat	II-37
Erosion	II-38
Severe Thunderstorms and Tornadoes	II-40
Hurricanes and Tropical Storms	II-44
Avalanche	II-46
Terrorism	II-48
III. Community Vulnerability Assessment	
Methodologies Used	III-1
Overview of El Dorado County	III-3
Wildland Fire (See Annex A.)	III-13
Flood	III-13
Dam Failure/Inundation	III-16
Seiche	III-18
Earthquakes, Landslides and Sinkholes	III-18
Winter/Seasonal Storms	III-21
Erosion	III-22
Avalanche	III-23
Conclusions of Hazard Risk	III-23

IV. Hazard Mitigation Goals and Policies	
Overview	IV-1
Planning Process	IV-1
El Dorado County General Plan (Sections)	IV-4
V. Monitoring, Evaluating and Updating the Plan	
Introduction	V-1
Implementation Through Existing Programs	V-2
Continued Public Involvement	V-3
VI. Plan Adoption by El Dorado County Board of Supervisors	
Copy of Board Resolution	VI-1
Annex A. Wildland Fire HMP	
Annex B. El Dorado Irrigation District HMP	
Annex C. South Tahoe Public Utilities District HMP	
Annex D. El Dorado County Office of Education HMP	
Annex E. City of Placerville HMP	
Annex F. South Lake Tahoe HMP (Draft)	
Annex G. Lake Valley Fire Department HMP (Draft)	