



EXECUTIVE SUMMARY

The purpose of hazard mitigation is to reduce or eliminate long-term risk to people and property from hazards. Butte County developed this Local Hazard Mitigation Plan (LHMP) update to make the County and its residents less vulnerable to future hazard events. This plan was prepared pursuant to the requirements of the Disaster Mitigation Act of 2000 so that Butte County would be eligible for the Federal Emergency Management Agency's (FEMA) Pre-Disaster Mitigation and Hazard Mitigation Grant programs.

The County followed a planning process prescribed by FEMA, which began with the formation of a hazard mitigation planning committee (HMPC) comprised of key County representatives, and other regional stakeholders. The HMPC conducted a risk assessment that identified and profiled hazards that pose a risk to the County, assessed the County's vulnerability to these hazards, and examined the capabilities in place to mitigate them. The County is vulnerable to several hazards that are identified, profiled, and analyzed in this plan. Floods, levee failures, wildfires, and severe weather are among the hazards that can have a significant impact on the County.

Based on the risk assessment, the HMPC identified goals and objectives for reducing the County's vulnerability to hazards. The goals and objectives of this multi-hazard mitigation plan are:

Goal 1: Minimize risk and vulnerability of the community to hazards and reduce damages and protect lives, properties, and public health in Butte County

- Minimize economic and resource impact
- Minimize impact to both existing and future development
- Prevent and reduce flood-related losses
- Prevent and reduce wildfire-related losses
- Prevent and reduce Haz Mat-related losses

Goal 2: Provide protection for critical facilities, infrastructure, and services from hazard impacts.

Goal 3: Increase public awareness of the risk and vulnerability of the community to hazards

- Enhance public outreach, education and preparedness program to include all hazards of concern
- Encourage people to act in a way that enhances the survivability and sustainability of the community
- Increase public communications to keep the public well informed prior to, during and after a disaster event

-
- Improve alert and warning capabilities informing public of hazard event
 - Increase public's awareness and involvement in communities' mitigation projects

Goal 4: Increase communities' ability to be prepared for a disaster event

- Create and maintain a well-trained and fully functional Butte County/local agency EOC
 - Ensure adequate and continued operations of EOC
- Create and maintain a well-trained, well equipped, and fully functional First Responder network
- Develop plans (EOPs) and standing orders related to hazard preparedness and response activities to include, evacuation, medical, shelter, access and functional needs, and related issues
- Create and maintain a fully functional, interoperable radio and communication system that complies with narrowbanding requirements
- Ensure adequate backup of electronic records

Goal 5: Increase interagency coordination and develop interagency mitigation and disaster response capabilities for all priority hazards

- Enhance use of shared resources
- Develop, educate, and train interacting agencies on primary and secondary means of communications during disasters

Goal 6: Maintain FEMA Eligibility/Position the communities for Grant funding.

To meet this identified goal, the plan recommends 56 mitigation actions, which are summarized in the table that follows. This plan has been formally adopted by Butte County and all participating jurisdictions and will be updated every five years at a minimum.

Table ES.1. Butte County Planning Area's Mitigation Actions

Jurisdiction/Action Title	Lead Jurisdiction	New Action/2007 Action	Address Current Development	Address Future Development	Continued Compliance with NFIP	CRS Category
Multi-Hazard Mitigation Actions						
Enhance Public Awareness of the Affects of Natural Hazards and Public Understanding of Disaster Preparedness (Unincorporated/Jurisdictions)	Butte County	New action	X	X	X	Public Information
Integrate Local Hazard Mitigation Plan into Safety Element of General Plan	Butte County	New action	X	X		Prevention
Countywide Alert and Notification System	Butte County	New Action	X	X		Emergency Services
Implementation of Climate Action Plan	City of Chico	New Action	X	X		Prevention
Common County early warning system	City of Chico	2007 Action	X	X		Emergency Services
Water Main Extension to Mobile Home Park	City of Gridley	New Action	X	X		Prevention Structural Projects
Planning for Mass Evacuation in the Event of a Catastrophic Flood or Earthquake Event.	City of Oroville	New Action	X	X		Prevention Emergency Services
Pipe Replacement Program	Paradise Irrigation District	New Action	X	X		Structural Projects
Restore the Seismic Stability of the Magalia Dam	Paradise Irrigation District	New Action	X	X		Structural Projects
Management of Fuels and non Native Flora Intrusion	Thermalito Water and Sewer District	New Action	X	X		Property Protection Natural Resource Protection Prevention
Earthquake Mitigation Actions						
Identify Un-Reinforced Masonry Buildings in the County	Butte County	New action	X	X		Prevention

Jurisdiction/Action Title	Lead Jurisdiction	New Action/2007 Action	Address Current Development	Address Future Development	Continued Compliance with NFIP	CRS Category
Drought Mitigation Actions						
Drought Supply Project	Paradise Irrigation District	New Action	X	X		Property Protection
Flooding, Localized Flooding, and Dam/Levee Failure Mitigation Actions						
Nord Localized Flooding	Butte County	New action	X	X	X	Property Protection
Water on Road Warning signs on River Road at Brick House.	Butte County	New action	X	X	X	Prevention Emergency Services
Rock Creek and Keefer Slough and Flood Control	Butte County	New action	X	X	X	Structural Projects
Palermo Drainage Study	Butte County	New action	X	X	X	Prevention
Reinforce Nelson Road at its crossing of the Western Canal	Butte County	New action	X	X	X	Structural Projects
Little Chico Creek 200 and 100 year Flood Protection Study	Butte County	New action	X	X	X	Prevention Structural Projects
Lindo Chanel 200 and 100 year Flood Protection Study	Butte County	New action	X	X	X	Prevention Structural Projects
Feather River West Levee Improvement Project	Butte County	New action	X	X	X	Structural Projects
Improve DWR Maintenance of flood control channels	Butte County	New action	X	X		Structural Projects
Regional Flood Management Plan (RFMP) for CVFPP.	Butte County	New action	X	X	X	Prevention
Chico Creek-Mud Creek Levees System Study to Provide 200 Year Flood Protection Levels	Butte County	New action	X	X	X	Prevention Structural Projects
Cherokee Canal Levees Certified to FEMA 100 Year Flood Protection Levels	Butte County	New action	X	X	X	Structural Projects

Jurisdiction/Action Title	Lead Jurisdiction	New Action/2007 Action	Address Current Development	Address Future Development	Continued Compliance with NFIP	CRS Category
Butte Creek Levees Certified to FEMA 100 Year Flood Protection Levels	Butte County	New action	X	X	X	Structural Projects
3B's Overflow Structure Construction	Butte County	New action	X	X	X	Structural Projects
Big Chico Creek 200 and 100 year Flood Protection Study	Butte County	New action	X	X	X	Structural Projects
Move EOC from Dam Inundation zone	Butte County	New action	X	X		Property Protection
Feather River Flood Control	City of Biggs/Sutter Butte Flood Control Agency	New action	X	X	X	Structural Projects
Feather River Levee Reinforcement	City of Gridley/Sutter Butte Flood Control Agency	2007 Action	X	X	X	Structural Projects
Continue to Improve Drainage System	City of Gridley	2007 Action	X	X	X	Structural Projects
Install Bladder Dam in the Paradise Lake Spillway	Paradise Irrigation District	New Action	X	X		Structural Projects
Little Chico Creek study; protection for 100 year flood	City of Chico	2007 Action	X	X	X	Prevention
Provide additional storm-water retention	City of Chico	2007 Action	X	X	X	Structural Projects
Restore capacity of existing flood control features	City of Chico	2007 Action	X	X	X	Structural Projects
Water service to areas being annexed	City of Chico	2007 Action	X	X	X	Property Protection
Hazardous Materials						
Well monitoring	City of Gridley	New Action	X	X		Prevention
Invasive Species: Pests/Plants Mitigation Actions						
Fire Break Maintenance / Broom Eradication Project	Butte County	New action	X	X		Prevention Natural Resource Protection

Jurisdiction/Action Title	Lead Jurisdiction	New Action/2007 Action	Address Current Development	Address Future Development	Continued Compliance with NFIP	CRS Category
Foreign Animal Disease Rapid Response Quarantine Program	Butte County	New action	X	X		Natural Resource Protection
Marine Invasive Species Mitigation Actions						
Marine/Aquatic Invasive Species Survey/ Surveillance Project	Butte County	New action	X	X		Natural Resource Protection
Sesbania Eradication and Flood Mitigation Project	Butte County	New action	X	X		Natural Resource Protection Property Protection
Wildfire Mitigation Actions						
Upper Ridge Fuels Reduction Project	Butte County	New action	X	X		Prevention Property Protection
Upper Ridge Fuels Reduction Maintenance	Butte County	New action	X	X		Prevention Property Protection
Concow/Yankee Hill Fuels Reduction Maintenance Project	Butte County	New action	X	X		Prevention Property Protection
Berry Creek Fuels Reduction Project	Butte County	New action	X	X		Prevention Property Protection
Berry Creek Fuels Reduction Maintenance Project	Butte County	New action	X	X		Prevention Property Protection
Butte Meadows Fuels Reduction Project	Butte County	New action	X	X		Prevention Property Protection
Cohasset Fuels Reduction Project	Butte County	New action	X	X		Prevention Property Protection
Cohasset Fuels Reduction Maintenance Project	Butte County	New action	X	X		Prevention Property Protection
Forest Ranch Fuels Reduction Project	Butte County	New action	X	X		Prevention Property Protection
Feather Forest Ranch Fuels Reduction Maintenance Project	Butte County	New action	X	X		Prevention Property Protection

Jurisdiction/Action Title	Lead Jurisdiction	New Action/2007 Action	Address Current Development	Address Future Development	Continued Compliance with NFIP	CRS Category
Falls Fuels Reduction Maintenance Project	Butte County	New action	X	X		Prevention Property Protection
Continued Weed Abatement Program	City of Gridley	New Action	X	X		Prevention Property Protection
Clear Creek Shaded Fuel Break (was Wildfire – Fire reduction)	Town of Paradise	New Action/2007 Action	X	X		Prevention Property Protection
Hamlin Canyon Shaded Fuel Break(was Wildfire – Fire reduction)	Town of Paradise	New Action/2007 Action	X	X		Prevention Property Protection
Shaded Fuel Break Management and Maintenance Project(was Wildfire – Fire reduction)	Town of Paradise	New Action/2007 Action	X	X		Prevention Property Protection