## Lake County Multi-Jurisdiction Hazard Mitigation Plan

))((THE RESILIENCY INITIATIVE

Lake County Board of Supervisors

### Plan Structure



Base Plan

Lake County MJHMP Clearlake Annex 2025 Multi-Jurisdiction Hazard Mitigation Plan: Clearlake Annex 1.1 About the Plan Lake County OES led the 2025 Lake County Multi-Jurisdictional Hazard Mitigation Plan development in close coordination with the City of Clearlake, the City of Lakeport and a team of consultants retained to author the annexes for each city, together called the Project Team. This new, multi-jurisdiction plan geographically encompasses the unincorporated areas within Lake County's boundaries and both cities (hereinafter referred to as the Planning Area). It is acknowledged that the local tribal governments also maintain a separate multi-jurisdictional tribal mitigation plan and may decide to join the Lake County plan in the future. Hazard mitigation is defined by FEMA as "any sustained action taken to reduce or eliminate long-term risk to human life and property from a hazard event." A threeyear, congressionally-mandated independent study to assess potential cost savings from mitigation activities provided evidence that mitigation activities are highly costeffective. On average, each dollar spent on mitigation prevents \$6 in future losses, in addition to saving lives and preventing injuries (National Institute of Building Science Natural Hazard Mitigation Saves 2017 Interim Report).

Clearlake Annex

This 2025 Plan was prepared pursuant to the requirements of the Disaster Mitigation

Act of 2000 (Public Law 106-390) and regulations set forth by the Interim Final Rule

collectively as the Disaster Mitigation Act, DMA, or DMA 2000). The Act emphasized

implementation efforts. Regulations set forth establish requirements that local hazard

published in the Federal Register February 26, 2002, (44 CFR §201.6) and finalized October 31, 2007 (hereafter, these requirements and regulations will be referred to

the need for mitigation plans and more coordinated mitigation planning and

Lakeport Annex 2025 Multi-Jurisdiction Hazard Mitigation Plan: Lakeport 1.1 About the Plan Lake County OFS led the 2025 Lake County Multi-Jurisdictional Hazard Mitigation Plan development in close coordination with the City of Clearlake, the City of Lakeport and a team of consultants retained to author the annexes for each city, together called the Project Team. This new, multi-jurisdiction plan geographically encompasses the unincorporated areas within Lake County's boundaries and both cities (hereinafter referred to as the Planning Area). It is acknowledged that the local tribal governments also maintain a separate multi-jurisdictional tribal mitigation plan and may decide to join the Lake County plan in the future. Hazard mitigation is defined by FEMA as "any sustained action taken to reduce or eliminate long-term risk to human life and property from a hazard event." A threeyear, congressionally-mandated independent study to assess potential cost savings from mitigation activities provided evidence that mitigation activities are highly costeffective. On average, each dollar spent on mitigation prevents \$6 in future losses, in addition to saving lives and preventing injuries (National Institute of Building Science Natural Hazard Mitigation Saves 2017 Interim Report). This 2025 Plan was prepared pursuant to the requirements of the Disaster Mitigation Act of 2000 (Public Law 106-390) and regulations set forth by the Interim Final Rule

**Lakeport Annex** 

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October 31, 2007 (hereafter, these requirements and regulations will be referred to

### Chapters 1: Introduction

#### Organization



Organize Resources

Assess Risks





Implement & Monitor

#### **Hazard Mitigation Planning Committee**

Meeting Type	Meeting Topic	Meeting Date(s)	Meeting Location(s)
HMPC Meeting #1	<ol> <li>Committee Expectations &amp; Roles</li> <li>MJHMP Update Overview</li> <li>Phase 1 – Organize Resources</li> <li>Phase 2 – Assess Risks and Profiling Hazards</li> </ol>	October 23, 2024	Emergency Operations Center, Lakeport & Via Zoom
HMPC Meeting #2	<ol> <li>MJHMP Progress Status Update</li> <li>MJHMP Update Draft – Hazard Profiles</li> <li>MJHMP Mitigation Actions</li> </ol>	November 20, 2024	Via Zoom
HMPC Meeting #3	<ol> <li>MJHMP Progress Status Update</li> <li>MJHMP Update Draft</li> <li>Plan Implementation</li> </ol>	December 12, 2024	Via Zoom

#### **Public Information Sessions**

Meeting Type	Meeting topic	Meeting Date	Meeting Locations
Public Session #1	1) Introduction to the Multi- Jurisdictional Hazard Mitigation Plan	September 23, 2024	Clearlake City Hall and via Zoom
	<ul><li>2) Update Process</li><li>3) Hazard Identification</li></ul>		
	4) Public Engagement		
Public Session #2	Introduction to the Multi- Jurisdictional Hazard Mitigation Plan     Update Process	September 24, 2024	Lakeport City Hall and via Zoom
	Hazard Identification     Public Engagement		
Public Session #3	1) Introduction to the Multi- Jurisdictional Hazard Mitigation Plan	September 30, 2024	Via Zoom
	2) Update Process  3) Hazard Identification  4) Public Engagement		
Public Session #4	1) Introduction to Presenters, Hazard Mitigation Plan and Update Process 2) Mitigation Actions	December 12, 2024	Via Zoom
	3) Assess Risks & Capabilities		



### Public Outreach

Working Group

**HMP Committee** 

Public Input

Stakeholders from County Departments, both Cities, Special Districts, Utilities, state and federal agencies connected to Lake County, community organizations including homeowner associations, councils, fire-wise community representatives and others, non-profit and faith-based providers, including agencies that work with seniors, AFN and minority communities were invited and encouraged to participate in the entire planning process through regular invitations and updates.

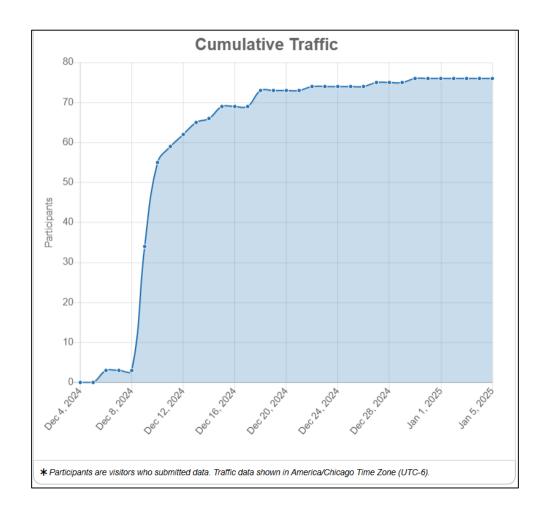


### Hazard Mitigation Planning Committee

Name	Title	Representing
Dakhota Hockett	Emergency Event Fiscal Manager	Auditor-Controller
Rob Howe	Sheriff	Sheriff/OES
Ron Ladd	Public Works Superintendent	City of Lakeport
Adeline Leyba	Public Works Director	City of Clearlake
David Fromer	Individual	District 1
Russ Cremer	Individual	District 2
Rob Young	Individual	District 3
David Brown	Individual	District 4
Jessica Fitzgerald	Individual	District 5

### MJHMP Survey

- → The Lake County 2025 Multi-Jurisdictional Hazard Mitigation Survey was available for public input from December 05, 2024, through January 05, 2025. The survey was available to Lake County via
  - →Social Media
  - **→Email Distribution**
  - → Public Information Session
  - → Project Websites
- $\rightarrow$  75 Participants



### Project Websites



Clearlake



Lakeport



Lake County OES

### Chapter 2: Hazards of Concern

\*Hazards are included as secondary hazards.

*±Profiles combined, see below.* 

Hazard	Included in 2023 Update?	Include in 2024 Plan?	Lakeport	Clearlake
Drought & Water Shortage	Yes	Yes	Yes	Yes
Wildfire	Yes	Yes	Yes	Yes
Earthquake	Yes	Yes	Yes	Yes
Severe Weather: Storms (Heavy Rain, Wind, Snow, Freeze)	Yes	Yes	Yes	Yes
Epidemic/Pandemic/Vector Borne Disease Hazards	No	No	No	No
Severe Weather: Extreme Heat	Yes	Yes	Yes	Yes
Aquatic Biologic Hazards: Invasive Species	Yes	Yes	Yes±	Yes±
Flood	Yes	Yes	Yes±	Yes±
Tree Mortality	No	Yes	Yes	Yes
Climate Change	Yes	Yes	Yes±	Yes±
Landslide & Debris Flows	No	No	Yes*	Yes*
Levee Failure	Yes	Yes	Yes	Yes
Geothermal Concerns (Seismic, Environmental)	No	No	Yes±	Yes±
Hazardous Materials Transportation	No	No	No	No
Oil Spills	No	No	No	No
SEICHE	No	No	Yes*	Yes*
Terrorism	No	No	No	No
Ag Hazards (i.e. insect pests/smoke taint)	Yes	Yes	Yes*	Yes*
Air Pollution	No	No	No	No
Dam Failure	Yes	Yes	Yes	Yes
Volcano and Geothermal Gasses	No	Yes	Yes	Yes
Avalanche	No	No	No	No
Coastal Flooding/Erosion, Sea Level Rise	No	No	No	No
Radiological Accidents	No	No	No	No
Subsidence	Yes	Yes	Yes*	Yes*
Tsunami	No	No	No	No

### Chapter 3: Profiling



#### Population & People

Total Population

• 68,878



#### **Education**

Bachelor's Degree or Higher

• 16.8%



#### Housing

**Total Housing Units** 

• 34,220



#### Households

Total Households

• 26,092



#### **Employment**

**Employment Rate** 

• 48.8%



#### **Business & Economy**

**Total Employer Establishments** 

• 1,092



#### Health

People with 1 or more disabilities

• 22.2%

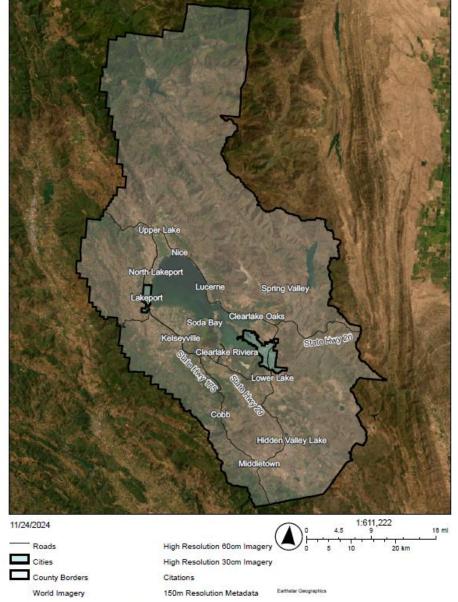


#### **Income & Poverty**

Median Household Income

• \$59,444

#### Lake County, California Roads, Cities, and Communities



Low Resolution 15m Imagery

The Resiliency Initiative

### Chapters 4- 15: Hazard Profiles

Aquatic Earthquake Drought Flood Hazards Severe Severe Levee Failure Weather – Dam Failure Weather Extreme Heat Volcano Geothermic Tree Mortality Wildfire Gas Release



### Chapter 16: Mitigation Actions

Clearlake • 32 Mitigation Actions



52MitigationActions



55MitigationActions

### Chapter 17: Compliance with NFIP

#### National Flood Insurance Program

→ Lake County has participated in the Regular Phase of the NFIP since October 17, 1978. Since then, the County has administered floodplain management regulations that meet the minimum requirements of the NFIP.

#### **Community Rating System**

→ The County of Lake participates in the Community Rating System (CRS) through the NFIP. Currently, Lake County has a Class 7 Rating, which affords Lake County residents a 15% discount on their flood insurance policies.

### Chapter 18 – 19

#### Plan Adoption and Maintenance

- $\rightarrow$  Adoption
- → Implementation
- → Maintenance
  - → 🛮 ngoing: Annually review and following any significant hazard event or disaster declaration
  - $\rightarrow$  5 Year Update Cycle

#### **Data Sources**

- $\rightarrow$  List of Figures
- $\rightarrow$  List of Tables
- → Data Sources

# MJHMP Plan Adoption

- ✓ HMP Committee Approval
- CalOES Review, Revisions, and Approval
- ✓ FEMA Review and Approval
- The City of Clearlake Approval
- The City of Lakeport Approval
- Lake County Board of Supervisors Approval
- Final 2025 MJHMP Adopted Plan

