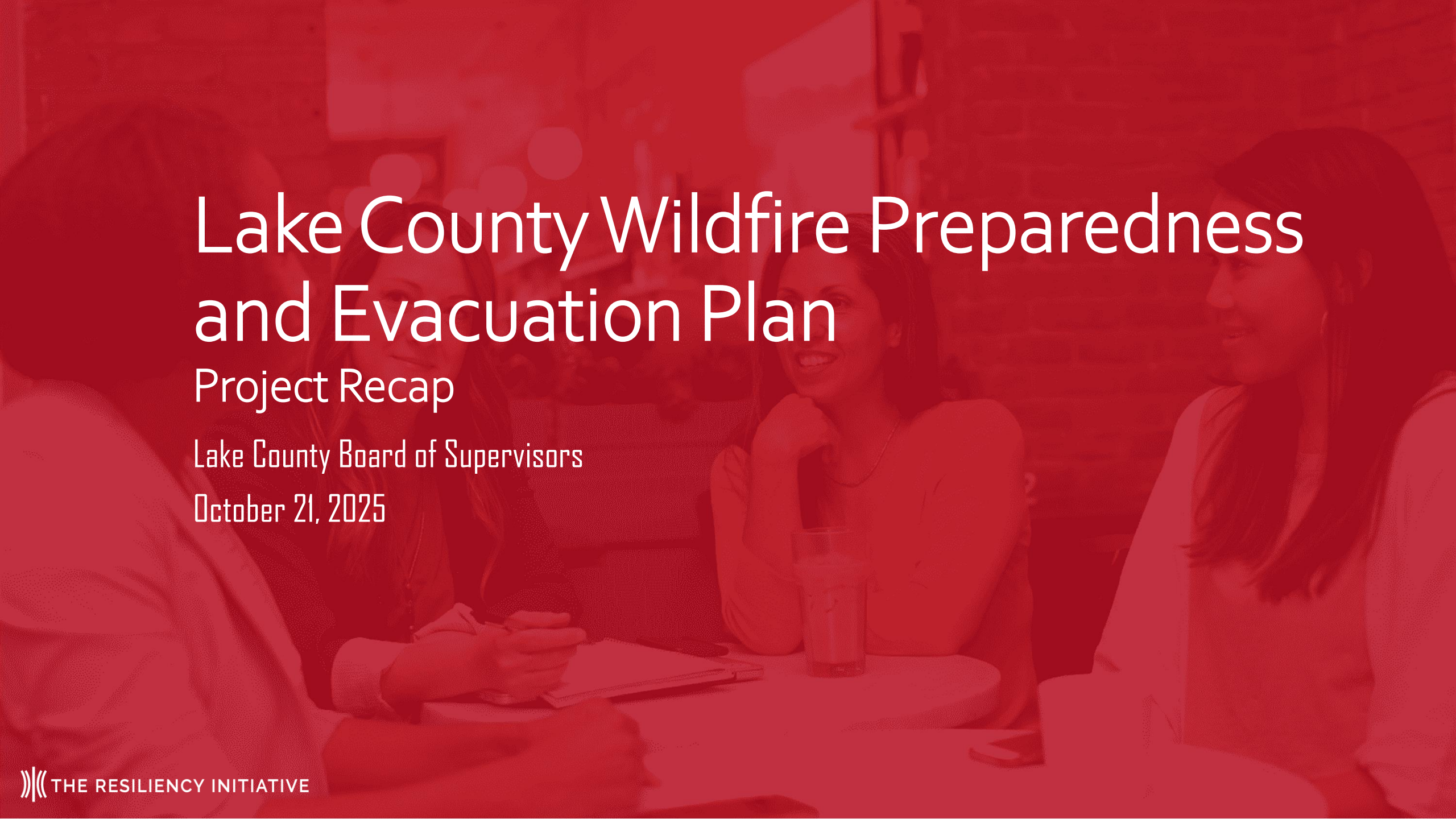


The background of the slide is a photograph of several people sitting around a table in what appears to be a meeting or workshop. The image is covered with a semi-transparent red overlay. The people are engaged in conversation, with some looking towards the camera and others looking at each other. There are papers and a glass on the table.

Lake County Wildfire Preparedness and Evacuation Plan

Project Recap

Lake County Board of Supervisors

October 21, 2025



Project Purpose and Objectives

This project will prepare a Wildfire Evacuation and Preparedness Plan for Lake County. Given the frequency of several catastrophic wildfire events in recent years, the Plan is intended to coordinate evacuations and other activities to standardize future response protocols for probable wildfires. It will also inform community members of practices and procedures to better prepare for future events, helping facilitate orderly evacuations.

Identify and Mitigate Risk

Finalize Evacuation Routes

Develop Communication Procedures

Establish Coordination Protocols

Technical Advisory Group

STAKEHOLDERS	STAKEHOLDERS	STAKEHOLDERS
• Lake APC • County of Lake Supervisor Board member • County Department of Public Works • County Community Development • City of Clearlake Council member • Dept of Public Works • Community Development • City of Lakeport Council member • Dept of Public Works • Community Development • Sheriff • Auditor's Office • Cal OES • CalFire • Caltrans • Redwood Coast Regional Center • California Highway Patrol	• Big Valley Band of Pomo Indians (Lakeport) • Elem Indian Colony of Pomo Indians (Clearlake Oaks) • Habematolel Pomo of Upper Lake • Koi Nation of Northern California • Middletown Rancheria of Pomo Indians • Robinson Rancheria of Pomo Indians (Nice) • Scotts Valley Band of Pomo Indians (Lakeport) • Sheriff's Office/OES • Local Fire Councils/Agencies • Lake County Fire Protection District • EOC Ops - County Department of Social Services • American Red Cross • Lake Transit Authority • Private Sector Transportation Representatives	• Easter Seals Northern California • Bayberry. Inc. • Lake County Mental Health Services • Area Agency on Aging • School Representatives • Hospital Representatives • Senior Centers • Highlands Senior Service Center • Lakeport Senior Center, Inc. • Live Oak Seniors • Middletown Senior Center • Redwood Coast Regional Center • COAD • Public Works

Hazard Profile

→ Likelihood of Future Occurrences:

- **Highly Likely:** 90-100% chance of occurrence in the next year or happens every year.

→ Magnitude/Severity:

- **Critical:** 25-50 percent of property severely damaged; shutdown of facilities for at least two weeks; and/or injuries and/or illnesses result in permanent disability.

→ Significance:

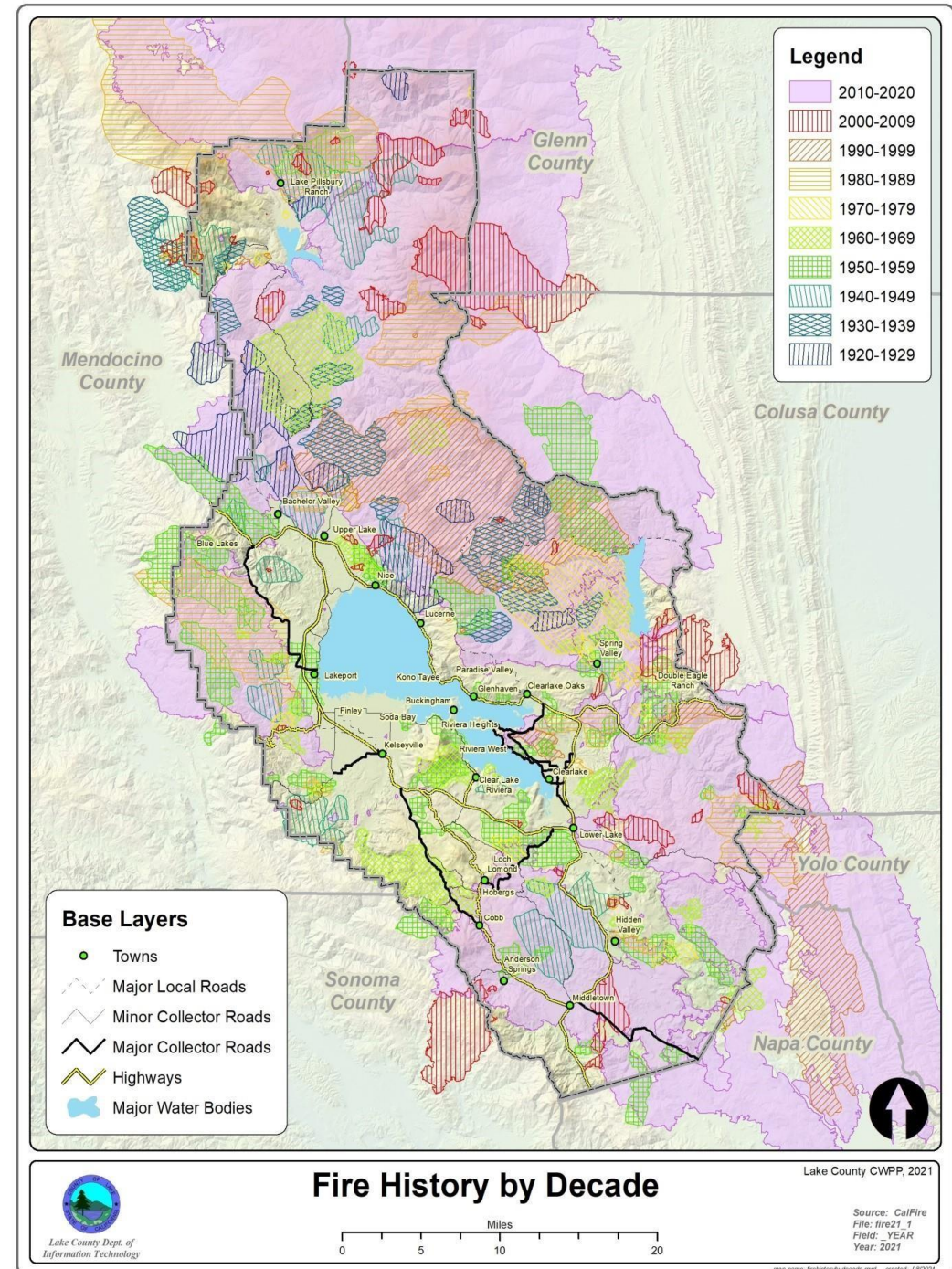
- **High:** widespread potential impact

→ Climate Change Influence:

- **High:** Climate change is very likely to increase the probability of this hazard.

→ Vulnerability: Extremely

- **High:** Very widespread with catastrophic impact.



Wildfire Evacuation Analysis and Preparedness Memo



Lake County, California

Wildfire Evacuation Analysis and Preparedness Memo



May 2025

Prepared by



*The preparation of this report was funded through the Lake Area Planning Council's
2023/24 Regional Transportation Planning Work Program, Work Element 615.*

Lake County Demographics



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%



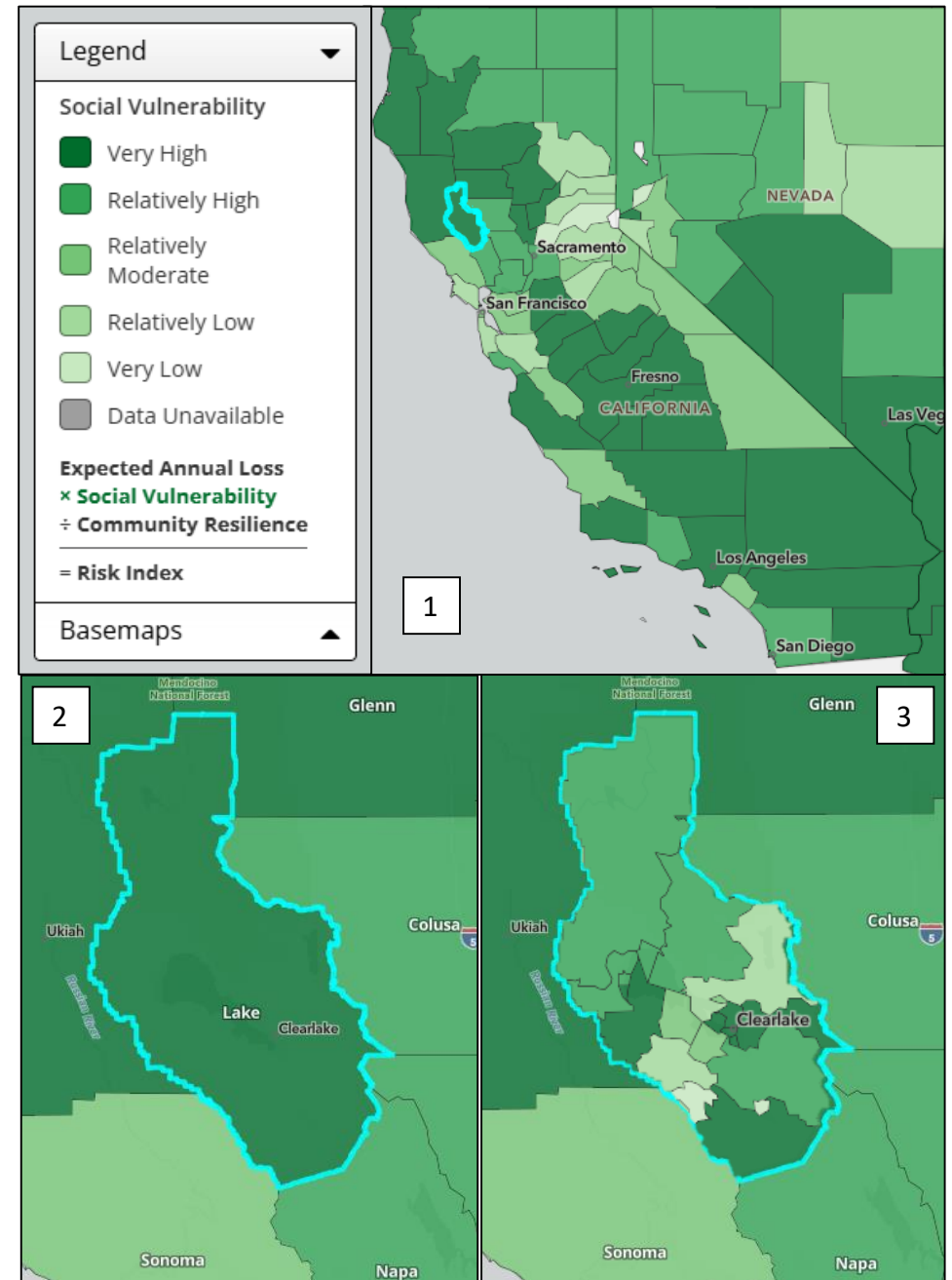
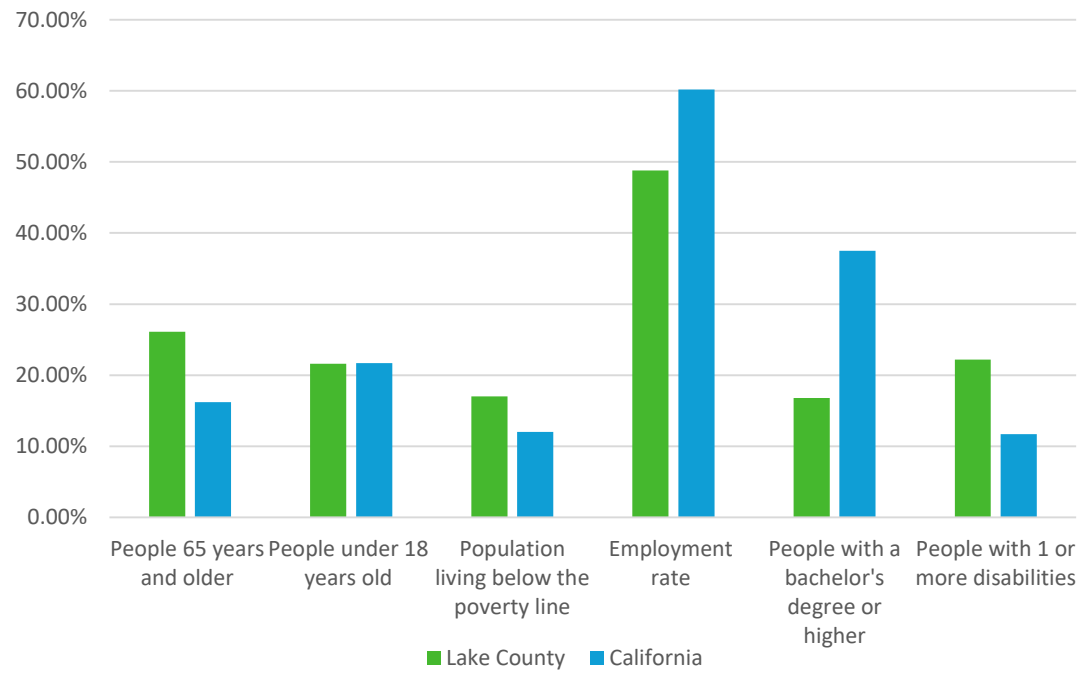
Income & Poverty

Median Household Income

- \$59,444

Vulnerable Populations

Vulnerable Populations



Public Input Survey

→ August 29, 2024 – November 8, 2024

→ 243 Respondents

→ Available in English and Spanish

1

Welcome

Please take a few moments to help us better understand your concerns, priorities, and suggestions.

WELCOME

Wildfire Evacuation Community Concerns

The Lake Area Planning Council is developing a Wildfire Evacuation and Preparedness Plan for the Lake County region to help coordinate safe and effective responses to emergency wildfire events.

Your input is important as it will help us develop a comprehensive strategy to address these identified needs.

Respondents who wish to be included in the \$25 gift card drawing must provide their email and mailing address at the end of the survey.

Español

→ Next

This survey aims to gather public input, focusing on:

Awareness and Preparedness

Communication Strategies

Evacuation Routes

Evacuation Shelters

Community Support and Resources



Survey Results

Annex 1



Lake County California

**Wildfire Evacuation Analysis and
Preparedness Memo
Survey Results Annex**



April 2025

Prepared by



Recommendations



Lake County, California

Wildfire Evacuation Analysis and Preparedness Memo



May 2025

Prepared by



*The preparation of this report was funded through the Lake Area Planning Council's
2023/24 Regional Transportation Planning Work Program, Work Element 615.*

Recommendations

Emergency Communications

- Resilient Emergency Communications Network
- Additional Changeable Message Signage
- Inclusive Communication

Training, Exercise, & Drills

- Community-Based Evacuation Assistance & Transit Support Workshop
- Zone Familiarization Workshops
- Community Partner Evacuation Drills

Network Improvements

- Rural Road Hardening & Alternative Evacuation Routes
- Strategic Fuel Breaks Along Evacuation Corridors
- Intelligent Evacuation Traffic Management Systems

Lake County Evacuation Plan

Lake County Wildfire Evacuation and Preparedness Plan September 2025



FINAL DRAFT

Prepared By



The preparation of this report was funded through the Lake Area Planning Council's 2023/24 Regional Transportation Planning Work Program, Work Element 615.

Plan Structure

Introduction

Authorities and References

Situation and Assumptions

Organization and Alignment of
Responsibilities

Concept of Operations

Direction, Control, &
Coordination

Information Collection &
Dissemination

Communications

Administration, Finance, &
Logistics

Plan Development &
Maintenance

- The Lake County Wildfire Evacuation and Preparedness Plan outlines a comprehensive framework for facilitating safe, efficient, and coordinated evacuations during wildfire emergencies, whether the incident occurs with or without advance warning. This plan provides evacuation strategies, recommended agency roles and responsibilities, and key considerations for relocating individuals from hazardous areas to designated safe zones.
- The Lake County Wildfire Evacuation and Preparedness Plan is intended to support and complement existing emergency protocols established in the Lake County Emergency Operations Plan (EOP), as well as those of the incorporated cities of Lakeport and Clearlake.

Key Definitions

Evacuation Order

- Immediate threat to life. This is a lawful order to leave now. The area is lawfully closed to public access.

Evacuation Warning

- There is a potential threat to life and/or property. Those who require additional time to evacuate and those with pets and livestock should leave now. Evacuation Warnings are essential when dealing with various issues, such as access and functional needs of populations and large animals.

Evacuation Order(s) Lifted

- The formal announcement of lifting evacuations in an area currently under evacuation.

Key Definitions

Hard Closure

- Closed to all traffic except Fire and Law Enforcement.

Soft Closure

- Closed to all traffic except Fire, Law Enforcement, and Critical Incident resources (i.e., Utility, Caltrans, Public Works, etc., or those needed to repair or restore infrastructure).

Resident Only Closure

- Soft closure with the additional allowance of residents and local government agencies assisting with response and recovery.



Response Operations: U

Unified Command is utilized between Clearlake, Lakeport, and Lake County regarding evacuation decision-making.

Law enforcement agencies coordinate evacuation and movement during emergencies and disasters.

- Sheriff's Office
- OES EOC (Operational Area)
- Lakeport Police
- Lakeport Fire
- Lakeport Director of Emergency Services
- Clearlake Police
- Lake County Fire Protection District
- Clearlake Director of Emergency Services

Evacuation Response Operations

The following table identifies the agencies or organizations typically responsible for the response actions necessary to implement an evacuation order.

Table 6: Response Activities

Response Activity	Lead Agencies	Supporting Agencies
Identify the Estimated Effects of the Event and Recommend Protective Actions		
Assess the impact on public health and safety and recommend protective actions.	Medical Health Operational Area Coordinator (MHOAC)	HAZMAT Centers for Disease Control (CDC) Environmental Health
Assess the impact on the environment and offer recommendations on protective actions.	Environmental Health	HAZMAT Caltrans United States Geological Survey (USGS) California Environmental Protection Agency (CalEPA) Response Specific Organizations
Identify any potential or additional threats or hazards that could lead to evacuation.	Unified Command (Fire Law Enforcement)	HAZMAT Operational Area Emergency Operation Center (OA EOC) FBI Fusion Centers

Evacuation Strategies

Intersection &
Traffic Signal
Coordination

Phased
Evacuation

Use of Road
Barriers

Designated
Markers

Hi-Lo Sirens

Evacuation Considerations

Schools

Individuals with
Disabilities and
Other AFNs

Animals

Evacuation Coordination

Temporary Evacuation Point

- Serves as temporary safe zones for evacuees but generally do not provide services like food, water, restrooms, etc. This is typically a transfer point from the immediate danger to then the shelter.

Emergency Shelter

- Emergency shelters are opened when at least one overnight stay is necessary.

Appendices



Appendices

Appendix A – Quick Evacuation Checklist

This checklist offers a flexible, cross-jurisdictional framework for initiating, coordinating, and supporting wildfire evacuation activities. It is designed for use by local EOCs, Incident Command, and public safety agencies to ensure timely and organized evacuation activation and notification.

Immediate Actions For Any Incident

- ☐ Gain jurisdictional situational awareness.
- ☐ Create (or combine) an incident in WebEOC.
- ☐ Determine response status.
- ☐ Review the status of initial protective actions.
- ☐ Consider additional protective actions.
- ☐ Evaluate public information needs.
- ☐ Determine the next steps to coordinate and implement protective actions.
- ☐ Establish OA-led jurisdictional conference call, if necessary.

Situational Awareness

If an incident has occurred, what happened (including where and when)?

- ☐ Type of incident (natural disaster, accident, terrorism)
- ☐ Estimated number of injuries/fatalities
- ☐ Estimated damage to or status of critical infrastructures (transportation, power, medical, water)
- ☐ What facilities (schools, health care facilities, large residential complexes, workforce facilities) are in the hazard area

What jurisdictions/neighboring jurisdictions have been evacuated or sheltered?

- ☐ Estimated number of people and animals evacuated?
- ☐ Are temporary evacuation points (TEPs) being used?
- ☐ Estimated number of people and animals that will require sheltering?
- ☐ Have shelters been identified?
- ☐ Coordination with adjoining jurisdiction(s)?

What is the latest information/intelligence about threats to the jurisdiction if the incident has not occurred? What is the potential impact?

- ☐ Estimate of potentially affected population?
- ☐ What neighborhoods should be evacuated?

Response Status

- ☐ Is the emergency operations center (EOC) activated, and at what level?
- ☐ Is the incident cascading, or is the incident stabilized?
- ☐ What is the impact on neighboring jurisdictions/zones?
- ☐ Who is leading the response or investigation?
- ☐ What resources/agencies are on scene, available, or needed?
- ☐ What additional resources/agencies are needed, including those required to support individuals with disabilities and others with access and functional needs?



Appendix B – Evacuation Maps

Evacuation Routes in Lake County will depend on the reason for evacuation and the determination of which direction the evacuees need to travel. The potential evacuation routes identified in this analysis are designated based on roadway classification. This does not ensure that these routes are accessible, are the preferred evacuation routes in all situations, or are suitable for the conditions of the roadway. Always follow the instructions of emergency personnel.

The following map images show a closer view of the regions and communities within Lake County.

- Figure 1A – Lake County
- Figure 1B – Lake County Inserts
- Figure 1C – Lake Pillsbury
- Figure 1D – Upper Lake
- Figure 1E – Lakeport
- Figure 1F – Kelseyville
- Figure 1G – Middletown
- Figure 1H – Clearlake Oaks
- Figure 1I – Lower Lake
- Figure 1J – Clearlake
- Figure 1K – Lucerne
- Figure 1L – Glenhaven

Appendices



Appendix C – Contingency Routes

To provide guidance for identifying and activating alternate or contingency evacuation routes when primary routes are unavailable or unsafe during a wildfire incident. This appendix supports flexible, risk-informed decision-making and coordination between law enforcement, fire agencies, transportation partners, and emergency management personnel.

- Wildfires may block or threaten primary evacuation routes with little warning.
- Smoke, debris, downed power lines, or accidents may render primary roads impassable.
- Alternate and contingency routes may require real-time validation and support to be usable.
- Effective coordination is essential to prevent bottlenecks, miscommunications, and route conflicts.

Table 13: Contingency Route Types to Evaluate

Route Type	Use Case	Considerations
Rural/mountain crossovers	When highway routes are blocked (e.g., SR 175 to US-101)	May require signage, escort vehicles, or communication relays.
Ferry or lake-based evacuation	If all land routes are blocked or communities are cut off	Requires marine coordination, launch access, and safe dock sites.
One-way/reverse-lane flow ("contraflow")	High-volume escape from bottleneck-prone areas	Requires extensive law enforcement and signage.
Service/dirt/fire roads	As last-resort options in rural areas	Use only if scouted and confirmed safe; avoid AFN transport use.
Parallel local roads	Temporary redirection when highways are gridlocked	Assess traffic signal control, intersections, and narrow segments.

Table 14: Contingency Route Considerations

Action	Completed (Y/N)	Resources/Special Considerations
Identify contingency routes based on current road conditions.		
Monitor fire behavior and road conditions near primary routes.		Use Alert California cameras and Fire Behavior Analyst forecasts.



Appendix D – Alternative Fuel Sites

This appendix supports collaborative planning and rapid decision-making, recognizing that wildfire conditions may shift rapidly and fuel needs will vary by location, duration, and incident scale.

- Wildfires may compromise access to retail fuel sites due to road closures, power outages, or fire behavior.
- First responders, public transit, utility repair teams, and evacuees may require priority refueling access.
- Electric vehicle (EV) charging infrastructure may be limited, require backup power, or face grid instability.
- Local and regional mutual aid resources may arrive without full situational awareness of fuel site conditions.

Table 15: Alternative Fuel Coordination Considerations

Action	Completed (Y/N)	Resources/Special Considerations
Create a shared fuel site inventory including hours, generator backup, and access routes.		Gasoline, Diesel, Propane, & EV
Execute MOUs with key fuel stations for emergency refueling priority.		Ensure mobile fuel tankers are identified in vendor or mutual aid agreements.
Identify alternative fuel depots with above-ground tanks.		City yards, school bus depots, PG&E sites, etc.
Assess the operability of known fuel sites.		Status Backup power Accessibility
Identify which sites are closest to major response zones or evacuation corridors.		
Activate priority fueling procedures and communicate with response partners.		
Track usage and project fuel needs for at least 48–72 hours.		
Identify EV charging limitations and direct evacuees accordingly.		



Appendix E – Acronyms

AAR: After-Action Report	MHOAC: Medical Health Operational Area Coordinator
ADA: Americans with Disabilities Act	MOU: Memorandum of Understanding
AFN: Access and Functional Needs	NEMT: Non-Emergency Medical Transport
APC: Lake Area Planning Council	NGO: Non-Governmental Agency
ARC: American Red Cross	NIMS: National Incident Management System
ASL: American Sign Language	NMT: Non-medical Transport
CalEPA: California Environmental Protection Agency	NRF: National Response Framework
CalOES: California Office of Emergency Services	OA EOC: Operational Area Emergency Operations Center
Caltrans: California Department of Transportation	OA: Operational Area
CDC: Centers for Disease Control	OEHA: Office of Environmental Health Hazard Assessment
CDSS: California Department of Developmental Services	OES: Office of Emergency Services
CHP: California Highway Patrol	PIO: Public Information Officer
CIKR: Critical Infrastructure and Key Resources	PPD-8: Presidential Policy Directive 8
CMS: Changeable Message Sign	PSPS: Public Safety Power Shutoff
COAD: Community Organizations Active in Disaster	PWD/AFN: Persons with Disabilities and Access and Functional Needs
Community Emergency Response Teams (CERT)	RCRC: Redwood Coast Regional Center
CPG: Comprehensive Preparedness Guide	SEMS: Standardized Emergency Management System
EAS: Emergency Alert System	SOP: Standard Operating Procedure
EMS: Emergency Medical Services	TAG: Technical Advisory Group
EOC: Emergency Operations Center	TCP: Traffic Control Points
EOP: Emergency Operations Plan	TEP: Temporary Evacuation Point
ESF: Emergency Support Functions	USGS: United States Geological Survey
EV: Electric Vehicle	VA: Veterans Affairs
FEMA: Federal Emergency Management Agency	WEA: Wireless Emergency Alert
GIS: Geographic Information Systems	WUI: Wildland Urban Interface
ICS: Incident Command System	
IPAWS: Integrated Public Alert and Warning System	
JIC: Joint Information Center	
LNU: Lake-Napa Unit	
LTA: Lake Transit Authority	



Evacuation Preparedness

Know Your Zone

Make A Plan

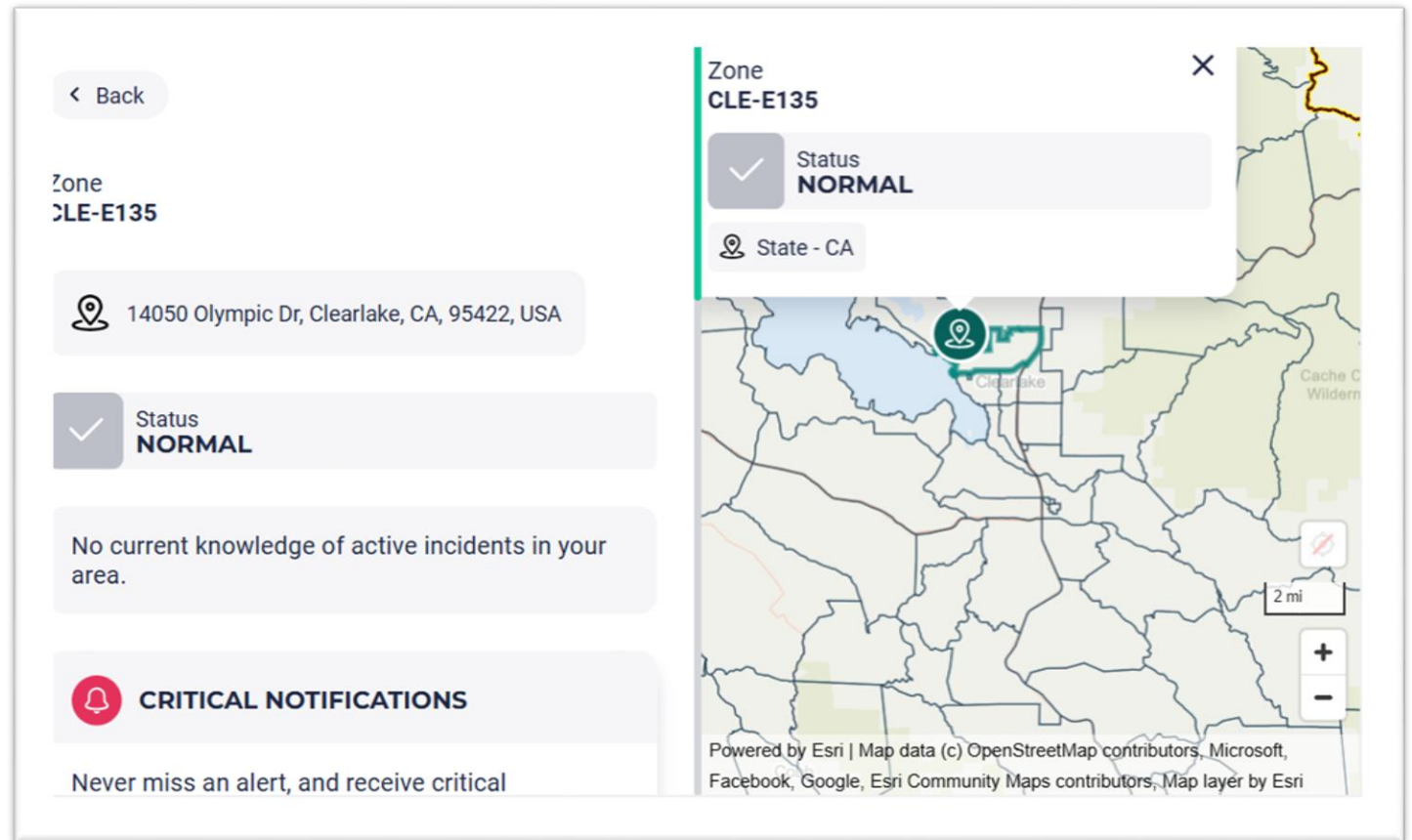
Be Informed

Know Your Zone

Genasys Protect

Evacuation Zones

- **Zone Identification:** Each zone is assigned a specific code, such as "MNF-E024," representing a particular geographic area within the county.
 - MNF – Mendocino National Forrest
 - UPP – Upper Lake
 - LAK – Lakeport
 - NIC – Nice
 - LUC – Lucerne
 - CLE – Clearlake
 - CLO – Clear Lake Oaks
 - KEL – Kelseyville
 - LOW- Lower Lake
 - COB- Cobb
 - MID - Middletown
 - HID – Hidden Lake



Active Fire Information

LAKE

Last updated: 08/04/25 07:18 AM



CONTAINED ⓘ

40%



START DATE

08/03/2025



ACREAGE

340



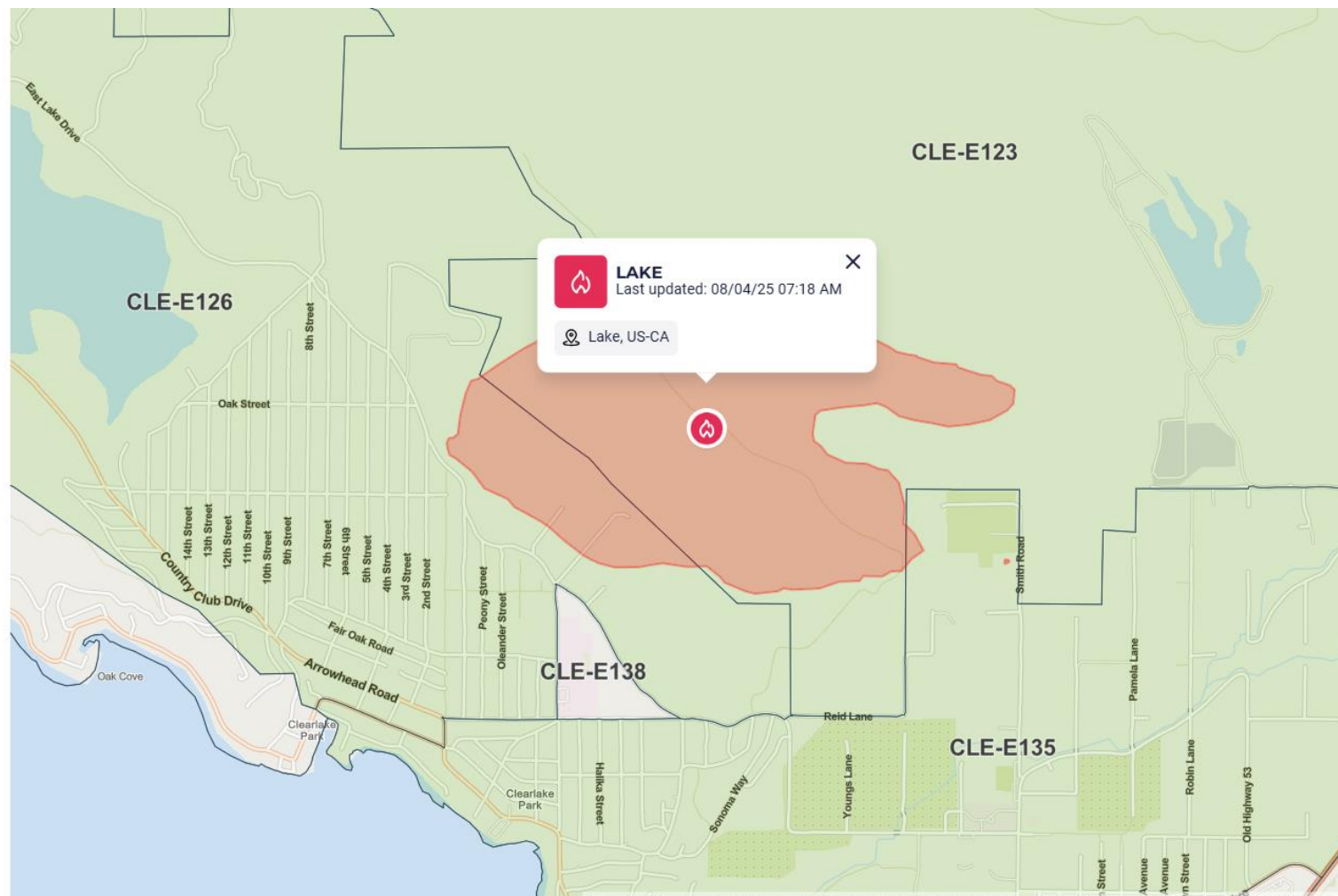
DATA SOURCES ⓘ

NIFC



COUNTIES AFFECTED

Lake, US-CA



Transportation and Closures

CRITICAL POINTS

TRAFFIC CONTROL POINTS



Closure

[View on Map >](#)

Closure

[View on Map >](#)

LOCATION INFORMATION



ZONE BOUNDARIES (Zone ID: CLE-E126)

NORTH OF Arrowhead Rd. & Burns Valley Rd.

SOUTH OF Sulphur Bank Rd. & Clearlake (North) City Limits

EAST OF Carter Ln., Sulphur Bank Rd., & San Joaquin Av.

WEST OF Burns Valley Rd., Acacia St. & Eastlake Dr.

CURRENT WEATHER



74.8°F
Clear, Sunny

COMMUNITY LINKS

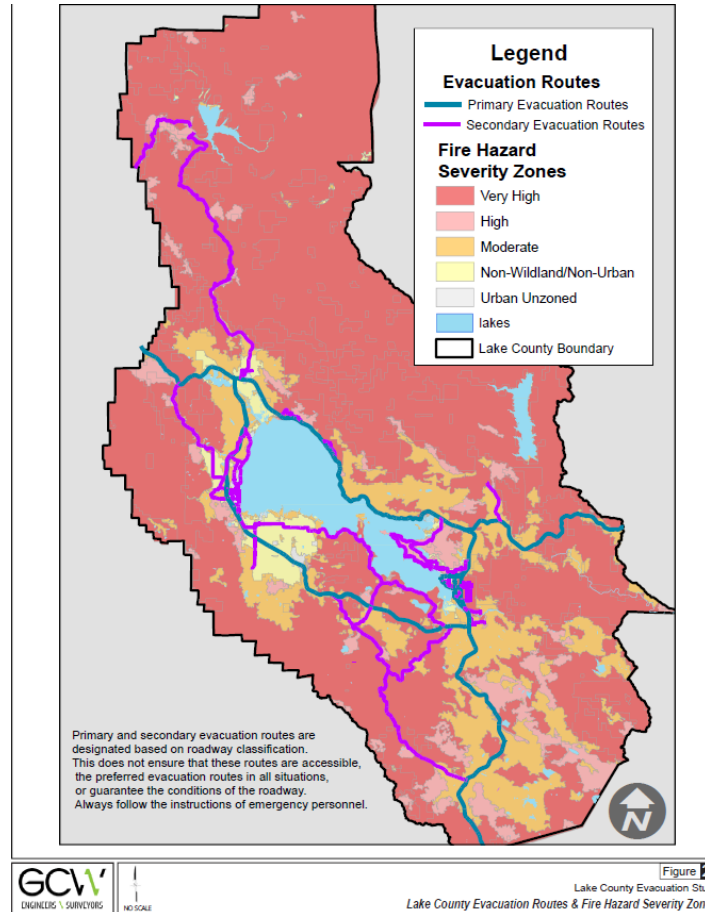
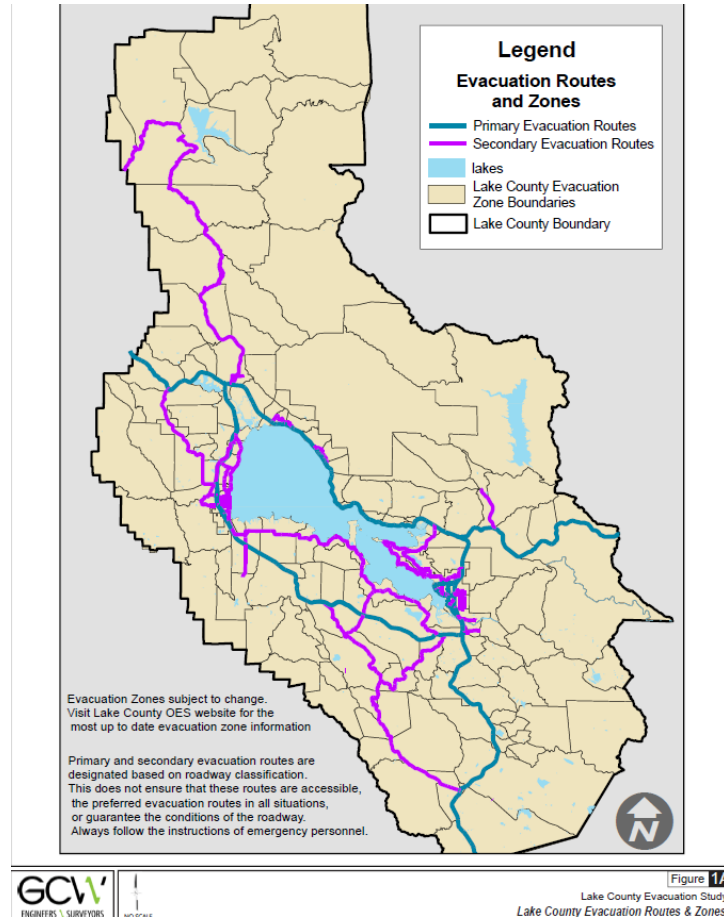


Make a Plan

Potential Routes and Transportation Resources

Evacuation Routes

Potential Primary Routes



- CALISTOGA ST
- E STATE HWY 20
- S STATE HWY 29
- STATE HWY 29
- STATE HWY 53
- W STATE HWY 20
- LAKESHORE DR
- OLD HWY 53
- OLYMPIC DR

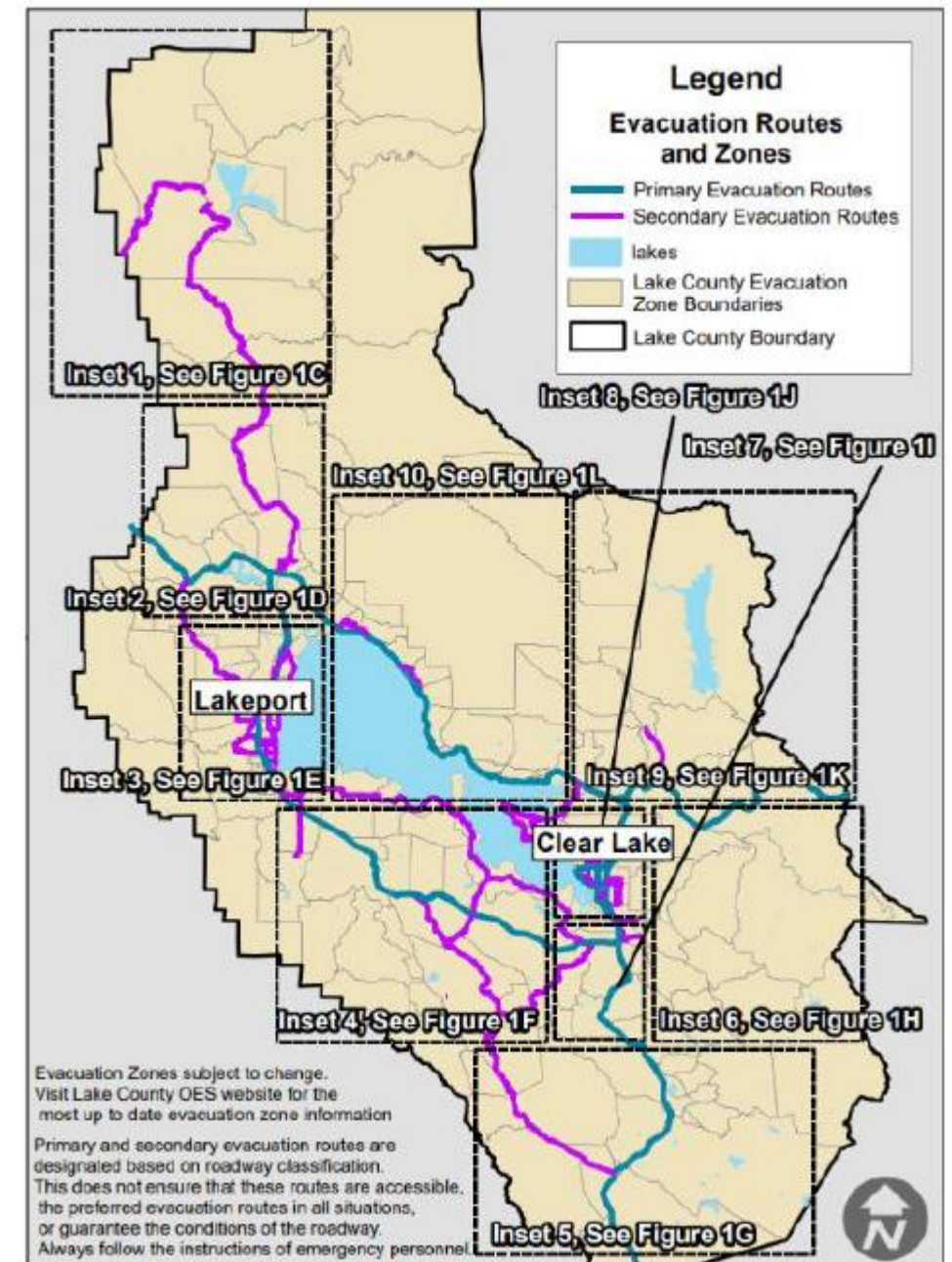
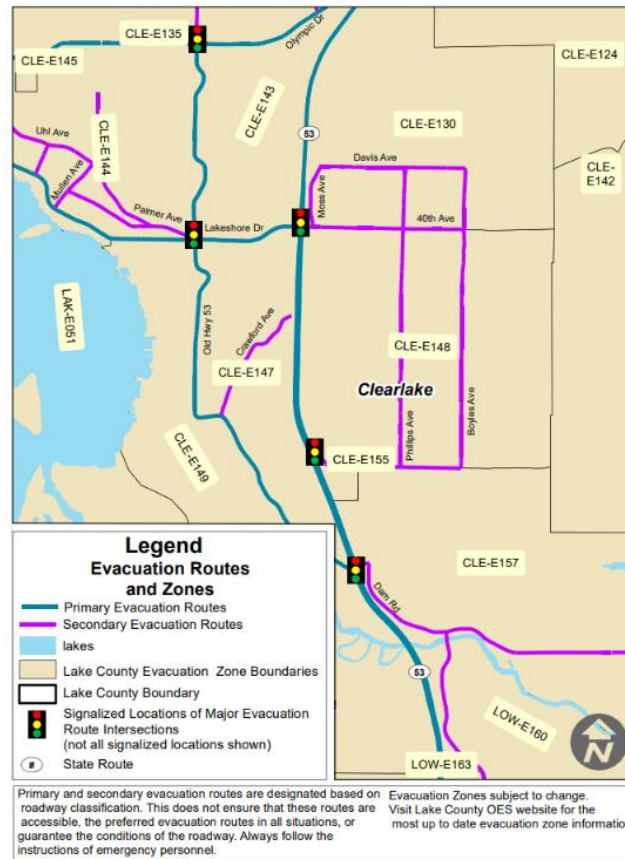
Evacuation Routes

Potential Secondary Routes

- 18TH AVE
- 40TH AVE
- ALVITA AVE
- ARROWHEAD RD
- BEVINS ST
- BIG BEAR RD
- BIG VALLEY RD
- BOYLES AVE
- BURNS VALLEY RD
- BURPEE DR
- BUSH ST
- BUTTS CANYON RD
- CENTRAL PARK AVE
- CLEAR LAKE AVE
- CLOVER DR
- COMPTON ST
- COPSEY CREEK WY
- COUNTRY CLUB DR
- CRAWFORD AVE
- CRESTVIEW DR
- CRYSTAL LAKE WY
- DAM RD
- DAVIS ST
- ELEVENTH ST
- ELK MOUNTAIN RD
- EMERFORD RD
- FOOTHILL DR
- HARRINGTON FLAT RD
- HARTLEY RD
- HARTLEY ST
- HIGHLAND SPRINGS RD
- HILL RD
- HILL ROAD EAST
- HOBERG DR
- HOWARD AVE
- KEELING AVE
- LADDELL AVE
- LAKE ST
- LAKEPORT BLVD
- LAKESHORE BLVD
- LAKESHORE DR
- LAKEVIEW DR
- LOCH LOMOND RD
- MAIN ST
- MARTIN ST
- MENDENHALL AVE
- MIDDLE CREEK RD
- MILL ST
- MOSS AVE
- MULLEN AVE
- N BRUSH ST
- N FORBES ST
- N HIGH ST
- N MAIN ST
- N RUSSELL ST
- NEW LONG VALLEY RD
- NORTH DR
- OLD HWY 53
- OSPREY CT
- PALMER AVE
- PARK ST
- PARK WY
- PHILLIPS AVE
- POINT LAKEVIEW RD
- QUARTERHORSE LN
- RED HILLS RD
- RIGGS RD
- RUMSEY RD
- S FORBES ST
- S MAIN ST
- S RUSSELL ST
- SAN JOAQUIN AVE
- SCOTTS VALLEY RD
- SECOND ST
- SEIGLER CANYON RD
- SIXTH ST
- SODA BAY RD
- SPURR ST
- STATE HWY 175
- STATE HWY 281
- SULPHUR BANK DR
- SUMMIT BLVD
- UHL AVE
- W 40TH ST
- WINCHESTER ST

Community Maps

Potential routes mapped for planning purposes.



Be Informed

Emergency Notifications and Communications

Emergency Communications

- LakeCo Alerts: Lake County's official emergency notification system, providing critical alerts via phone calls, text messages, emails, and public broadcast systems
 - Enables officials to issue geographically targeted warnings and countywide alerts during major emergencies
 - Integrated Public Alert and Warning System (IPAWS)
 - Emergency Alert System (EAS)
 - Wireless Emergency Alerts



Ready.LakeCountyCA

- Law Enforcement
 - Door-to-door notification
 - Hi-Lo Siren
- Changeable message signs
 - Caltrans
 - Local Business
 - Lake Transit Bus

Thank you

Faith Newton, CEM, MBCP

Chief Client Engagement Officer

The Resiliency Initiative (TRI)

Faith@theresiliencyinitiative.com

