







COUNTY OF SAN MATEO
EMERGENCY MANAGEMENT

Local Hazard Mitigation Plan

San Mateo County, California

City of Menlo Park Annex

2026

smcgov.org/dem/multijurisdictional-local-hazard-mitigation-plan

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This Annex details the hazard mitigation elements specific to the City of Menlo Park, a participating jurisdiction of the 2026 San Mateo County Local Hazard Mitigation Plan (LHMP or the Plan) update. This Annex is not intended to be a standalone document but supplements the information contained in **Volume 1 (Countywide Planning Elements)**. Therefore, all sections of **Volume 1**, including the planning process, hazard identification and risk assessment, mitigation strategy (including mitigation goals and objectives), and plan maintenance, apply to, and were met by, the City of Menlo Park. This Annex provides additional information specific to the City, with a focus on providing further details on the hazard risk assessment and mitigation strategy (i.e., mitigation actions) for this community.

1. HAZARD MITIGATION LOCAL PLANNING TEAM

The following individuals have been identified as the City of Menlo Park Local Planning Team for the 2026 LHMP. These individuals participated in all aspects of the planning process and developed a risk and vulnerability assessment, capability assessment, and mitigation strategy (including mitigation actions) specific to the jurisdiction.

Name	Title	Department
Brandon Bond	Emergency Preparedness Coordinator	City Manager's Office
Liz Tapia	Management Analyst II	City Manager's Office
Rachel Londer	Sustainability Manager	City Manager's Office
Azalea Mitch	Public Works Director	Public Works
Brian Henry	Assistant Public Works Director	Public Works
Stephen Stolte	Assistant City Manager	City Manager's Office
Brittany Mello	Administrative Services Director	Administrative Services
Deanna Chow	Community Development Director	Community Development

2. JURISDICTION PROFILE

The City of Menlo Park is located in the San Francisco Bay Area, positioned between the major metropolitan centers of San Francisco and San José. The City encompasses approximately 19 square miles. A mix of established residential neighborhoods, commercial corridors, institutional land uses, and open space characterizes Menlo Park. The City's geographic setting includes the San Francisco Bay to the east and the foothills of the Pacific Coast Range to the west, influencing local environmental conditions and hazard exposure.

The City of Menlo Park's proximity to Stanford University and Menlo College contributes to fluctuations in daytime population and to concentrations of critical facilities and infrastructure. The City is also a regional employment center, home to major research and technology employers such as Meta Platforms and SRI International, and is adjacent to Sand Hill Road, a global center of venture capital activity. The City of Menlo Park experiences a Mediterranean climate with warm, dry summers and cool, wet winters. Average summer temperatures typically range from the mid-60s to the high 70s, while winter temperatures commonly fall in the upper 30s to 40s. Most annual precipitation occurs between November and March, conditions that influence flood, storm, and drought-related hazard considerations.

2.1. Brief History

In 1854, Menlo Park received its official name when two (2) Irishmen, Dennis J. Oliver and D. C. McGlynn, whose wives were sisters, purchased 1,700 acres (some sources say it was 640 acres) bordering County Road, now El Camino Real, and built two (2) houses with a common entrance.

Across the drive, they erected a huge wooden gate with tall arches on which the name of their estate was printed in foot-high letters: "MENLO PARK," with the date, August 1854, underneath it. When the railroad came through in 1863, this station had no name; it was just the end of the line, but it needed a designation. During a discussion about the choice of a name, a railroad official looked over at the gates and decided that "MENLO PARK" would be appropriate, and so the name was officially adopted. This station is now California State Landmark No. 955, the oldest California station in continuous operation.

On March 23, 1874, Menlo Park became the second incorporated city in San Mateo County, although only for a short time. The purpose was to provide a quick way to raise money for road repairs.

This incorporation, which included Fair Oaks (later the Town of Atherton) and Ravenswood (later the City of East Palo Alto), lasted only until 1876. Little occurred to change the rural flavor of the community until the first World War when, almost overnight, Menlo Park was populated by 43,000 soldiers in training at Camp Fremont, on land which extended from Valparaiso Avenue to San Francisquito Creek, and El Camino Real to the Alameda de las Pulgas, with the Base Hospital and other facilities on Willow Road where the Veterans Administration Medical Center now stands.

Following the war, enough service center activity remained to prompt an effort to reincorporate Menlo Park in 1923 with much the same boundaries as the earlier town. Incorporation planning involving Menlo Park and Atherton culminated in a dramatic race to the County Courthouse to file differing plans. Atherton representatives arrived only minutes before those from Menlo Park, who had wished to include Atherton in their plans. Final incorporation of Menlo Park took place in November 1927.

2.2. Governing Body Format

Menlo Park is a general law city under the State of California and operates under the Council-Manager form of government. The City Council is the governing body for the City of Menlo Park. In general, during municipal elections, City Council members are elected from five (5) districts to four (4) year overlapping terms. The Mayor and Mayor Pro Tempore (Vice Mayor) each serve a one (1) year term and are selected annually by the City Council at its first regular meeting in December. The Mayor, who represents the City of Menlo Park at ceremonial and public functions, also serves as the presiding officer of the City Council.

The City Council appoints the City Manager and the City Attorney. The City is organized into operating departments, including Administrative Services, City Manager's Office, Community Development, Library and Community Services, Police, and Public Works. The City of Menlo Park assumes responsibility for adopting this Plan, and the Community Development, Public Works, and Police Departments will oversee its implementation.

2.3. Population

In 2024, the City of Menlo Park had a population of 33,040, a 2.2% decrease from the estimated 2020 population of 33,782. **Table 1** summarizes population distribution between 2010 and 2024, and the percentage of the 2024 population that is under five (5) years old, over 65 years old, and living below the poverty level.[1]

Table 1. Population Trends

Population				Underserved Population		
2010	***2020***	***2024***	***Population Change*** *(2020 – 2024)*	***Youth*** *(Under 5 years old)*	***Elderly*** *(Over 65 years old)*	***Below Poverty Level***
32,026	33,782	33,040	-2.2%	5.9%	16.6%	5.8%

3. CHANGES IN DEVELOPMENT

California Law requires counties and cities to prepare and adopt a General Plan, a comprehensive long-range plan to guide community development. The General Plan must contain seven (7) state-mandated elements – land use, circulation, housing, conservation, open space, noise, and safety – and may contain additional elements as a jurisdiction sees fit. Counties and cities that have identified disadvantaged communities must also address environmental justice in their general plans, including air quality. Additionally, the General Plan must comprise an integrated and internally consistent set of goals, policies, and implementation measures. The City of Menlo Park adopted its General Plan under this law and has updated various elements several times over the years, including most recently when the City Council adopted the General Plan in November 2016.

Recent development in Menlo Park has occurred primarily through infill and redevelopment within existing urban areas. Growth has been concentrated in the Bayfront area and in the Downtown and El Camino Real corridors, where higher-intensity uses are permitted. Development in the Bayfront area is subject to enhanced floodplain management and resilience requirements due to its exposure to flooding and sea level rise. Elsewhere in the City, development has been limited to small-scale residential projects and accessory dwelling units. These development patterns emphasize the need to incorporate hazard mitigation considerations into land use planning and project review.

During the next five (5) years, the City has advanced planning efforts to accommodate future residential development through updates to its General Plan, including adoption of the Housing Element for the 2023–2031 planning period. The Housing Element identifies opportunity sites throughout the City that may accommodate additional residential growth, including higher-density development near transit corridors and commercial centers. While much of this growth is expected to occur through infill and redevelopment, these changes may incrementally increase population and asset exposure in areas vulnerable to seismic activity, flooding, extreme heat, and other climate-related hazards. As such, future development identified through General Plan implementation will continue to be evaluated for consistency with hazard mitigation policies, floodplain management regulations, and climate adaptation strategies outlined in this LHMP.

[1] United States Census Bureau. (2024). QuickFacts: City of Menlo Park, California. Retrieved from https://www.census.gov/quickfacts/fact/table/menloparkcitycalifornia/.

Table 2 summarizes development trends during the performance period since the previous LHMP was developed (i.e., the past five (5) years), as well as expected future development trends (i.e., the next five (5) years).

Table 2. Recent and Expected Development Trends

Criteria	Description
Has your jurisdiction annexed any land since the development of the previous Local Hazard Mitigation Plan? *If yes, give the estimated area annexed and the estimated number of parcels or structures.*	No
Is your jurisdiction expected to annex any areas during the performance period of this Plan?	The City of Menlo Park has received ongoing interest from property owners in the West Menlo Triangle, an unincorporated residential area located within the City's sphere of influence, regarding potential annexation. The area consists of approximately 14 acres of primarily single-family residential development. While the City has not identified the area as being located within a known high-risk hazard, annexation would require additional site-specific analysis and environmental review consistent with applicable planning, hazard mitigation, and California Environmental Quality Act (CEQA) requirements.
Has your jurisdiction had any significant changes in development over the past five (5) years that have occurred in hazard-prone areas? *If yes, briefly describe.*	Over the past five (5) years, development activity in Menlo Park has remained concentrated primarily in the Bayfront area and the Downtown/El Camino Real corridor, with an emphasis on mixed-use, commercial, and higher-density residential projects consistent with regional housing and transportation objectives. Of these areas, the Bayfront continues to present greater exposure to natural hazards, including flooding, sea level rise, and storm surge. New development and redevelopment within the Bayfront area are subject to special flood hazard area construction requirements, resilience standards, and adaptation policies as established by City ordinances and applicable state and federal regulations. These requirements are intended to reduce risk to life, property, and critical infrastructure while accommodating planned growth.
Are there any areas targeted for development or major redevelopment in the next five (5) years that will occur in hazard-prone areas? *If yes, briefly describe.*	During the next five (5) years, the City has advanced planning efforts to accommodate future residential development through updates to its General Plan, including adoption of the Housing Element for the 2023–2031 planning period. The Housing Element identifies opportunity sites throughout the City that may accommodate additional residential growth, including higher-density development near transit corridors and commercial centers. While much of this growth is expected to occur through infill and redevelopment, these changes may incrementally increase population and asset exposure in areas subject to seismic, flooding, extreme heat, and other climate-related hazards.

Criteria	Description
Provide the number of permits for each hazard area or provide a qualitative description of where development has occurred.	Recent development in Menlo Park has occurred primarily through infill and redevelopment within existing urban areas. Growth has been concentrated in the Bayfront area and in the Downtown and El Camino Real corridors, where higher-intensity uses are permitted. Development in the Bayfront area is subject to enhanced floodplain management and resilience requirements due to its exposure to flooding and sea level rise. Elsewhere in the City, development has been limited to small-scale residential projects and accessory dwelling units.

3.1. Changes in Priority

Over the past five (5) years, the City of Menlo Park has maintained its hazard mitigation priorities while increasing emphasis on climate resilience, emergency preparedness, and integration of hazard considerations into land use and capital planning. Participation in the 2026 LHMP reflects the City's continued priority to maintain FEMA eligibility and update risk assessments and mitigation actions. These changes represent an increased focus on integration and resilience rather than a substantive shift in mitigation priorities. Additionally, mitigation actions from the previous Plan were updated, and a more concerted effort to achieve equitable outcomes for all communities, including underserved communities and socially vulnerable populations, has been implemented.

4. CAPABILITY ASSESSMENT

Federal regulations require hazard mitigation plans to identify goals for reducing long-term vulnerabilities to the identified hazards in the planning area (Section 201.6(c)(3)(i)). A critical step in developing specific hazard mitigation actions and projects is assessing existing authorities, policies, programs, and resources and capabilities, and using or modifying local tools to reduce losses and vulnerability from profiled hazards.

A capability assessment was conducted for the City of Menlo Park's authorities, policies, programs, and resources. Goals and mitigation actions were developed using input from this assessment. Information regarding the City's implementation of and continued participation in the National Flood Insurance Program (NFIP) can be found in Section 5 of this Annex.

The Local Planning Team assessed the City of Menlo Park's capabilities that can contribute to the reduction of long-term vulnerabilities to hazards. The capabilities include the following categories:

- Planning and Regulatory Capabilities
- Administrative and Technical Capabilities
- Fiscal Capabilities
- Education and Outreach Capabilities

Additionally, ways to expand and improve these existing policies and programs to integrate hazard mitigation into the City's day-to-day activities were considered.

4.1. Planning and Regulatory Capabilities

Table 3 includes local ordinances, policies, and laws to manage growth and development (e.g., land use plans, capital improvement plans, transportation plans, emergency preparedness and response plans, building codes, and zoning ordinances).

Table 3. Planning and Regulatory Capabilities

Capability Category	Yes/No	Authority *(local, county, state, federal)*	Responsible Department/ Agency	Code Citation and Comments *(e.g., Code Chapter, name of plan, explanation of authority, etc.)*
Planning Capacity				
Comprehensive Plan / General Plan	Yes	Local, State	City Manager's Office	General Plan (November 2016)
Capital Improvement Plan	Yes	Local	Public Works Department	5-year basis, with annual updates
Floodplain Management / Basin Plan	Yes	Local	Community Development Department	The City maintains FEMA floodplain maps and provides information on flood zones to the public upon request.
Stormwater Management Plan	Yes	Local	Public Works Department	National Pollutant Discharge Elimination System (NPDES) Municipal Regional Stormwater Permit
Open Space Plan	Yes	Local	Public Works Department	General Plan (Open Space/Conservation Element) Parks and Recreation Facilities Master Plan
Stream Corridor Management Plan	No	n/a	Public Works Department	Coordinated with the San Francisquito Creek Joint Powers Authority and revised annually
Watershed Management or Protection Plan	No	n/a	n/a	n/a
Economic Development Plan	Yes	Local	City Manager's Office	Updated and adopted in 2015
Comprehensive Emergency Management Plan	Yes	Local	City Manager's Office	
Emergency Operations Plan	Yes	Local	City Manager's Office	The Emergency Operations Base Plan is the foundation of the Comprehensive Emergency Management Plan (CEMP) and is in compliance with NIMS and SIMS.
Evacuation Plan	Yes	Local	City Manager's Office	Evacuation Planning is a component of several hazard-specific Incident Response Guides.

Capability Category	Yes/No	Authority *(local, county, state, federal)*	Responsible Department/ Agency	Code Citation and Comments *(e.g., Code Chapter, name of plan, explanation of authority, etc.)*
Post-Disaster Recovery Plan	Yes	Local	City Manager's Office	Outlined in the Emergency Operations Plan, supported with several post-disaster recovery documents, such as the Preliminary Damage Assessment procedure.
Transportation Plan	Yes	Local	Public Works Department	Transportation Master Plan (November 2020)
Strategic Recovery Planning Report	Yes	Local	City Manager's Office	The current Strategic Recovery Plan is a plan in progress as part of the CEMP.
Climate Adaptation Plan	Yes	Local	City Manager's Office	2030 Climate Action Plan (Adopted in June 2020, Amended in August 2024)
Resilience Plan	Yes	Local	City Manager's Office	It is an element of the 2030 Climate Action Plan
Urban Water Management Plan	Yes	Local	Menlo Park Municipal Water	Urban Water Management Plan (June 2021) Water Shortage Contingency Plan (June 2021)
Community Wildfire Protection Plan	No	n/a	n/a	n/a
Regulatory Capability				
Building Code	Yes	Local	Community Development Department	Title 12 of the City Code
Zoning Code	Yes	Local	Community Development Department	Title 16 of the City Code General Plan (Land Use and Zoning Map)
Subdivision Code	Yes	Local	Community Development Department	Title 15 of the City Code
Flood Damage Prevention Ordinance	Yes	Local	Public Works Department	Title 12, Chapters 12.42.5 and 12.42.52 of the City Code
Cumulative Substantial Damage Ordinance	No	n/a	n/a	n/a
Freeboard	Yes	Local	Public Works Department	Incorporating standards from ASCE 24 (Flood Resistant Design and Construction)
Growth Management Ordinance	Yes	Local	Public Works Department	ConnectMenlo General Plan
Site Plan Review	Yes	Local	Community Development Department	
Stormwater Management Ordinance	Yes	Local	Public Works Department	Title 7, Chapter 7.42 of the City Code, in compliance with the NPDES Municipal Regional Permit

Capability Category	Yes/No	Authority *(local, county, state, federal)*	Responsible Department/ Agency	Code Citation and Comments *(e.g., Code Chapter, name of plan, explanation of authority, etc.)*
Municipal Separate Storm Sewer System (MS4)	Yes	Local	Public Works Department	The City is required to comply with the NPDES Stormwater Discharge Permit
Natural Hazard Ordinance	No	n/a	n/a	n/a
Post-Disaster Recovery Ordinance	No	n/a	n/a	n/a
Real Estate Disclosure Requirement	Yes	State	California Department of Real Estate	Section 1102 of the California Civil Code

4.2. Administrative and Technical Capabilities

The administrative and technical capabilities listed in **Table 4** include community (i.e., public and private) staff, their skills, and tools that can be used for mitigation planning and implementation. This capability includes engineers, planners, emergency managers, Geographic Information System (GIS) analysts, building inspectors, grant writers, and floodplain managers. Small communities may rely on other government entities, such as counties or special districts, for resources.

Table 4. Administration and Technical Capabilities

Capability	Yes/No	Comments *(e.g., position, department, agency, explanation)*
Administrative Capabilities		
Planning Board	Yes	Planning Commission, Community Development Department
Mitigation Planning Committee	Yes	Emergency and Disaster Preparedness Division, City Manager's Office
Environmental Board/Commission	Yes	Sustainability Division, City Manager's Office
Open Space Board/Committee	Yes	Maintenance Division, Public Works Department
Economic Development Commission/Committee	Yes	Economic Development Division, City Manager's Office
Maintenance programs to reduce risk	Yes	Maintenance Division, Public Works Department
Mutual Aid Agreements	Yes	Public Works Department City Manager's Office
Technical/Staffing Capabilities		
Planner(s) or engineer(s) with knowledge of land development and land management practices	Yes	Public Works Department Community Development Department
Engineer(s) or professional(s) trained in building or infrastructure construction practices	Yes	Public Works Department
Planners or engineers with an understanding of natural hazards	Yes	Public Works Department
NFIP Floodplain Administrator	Yes	Public Works Department

Capability	Yes/No	Comments *(e.g., position, department, agency, explanation)*
Surveyor(s)	Yes	Community Development Department
Personnel skilled or trained in GIS applications	Yes	Administrative Services Division
A scientist familiar with natural hazards	No	n/a
Warning systems/services	Yes	SMC Alert, in partnership with the San Mateo County Department of Emergency Management
Emergency manager	Yes	City Manager's Office
Grantwriter(s)	Yes	City Manager's Office
Staff with expertise or training in benefit cost analysis	Yes	Administrative Services Division
Professionals trained in conducting damage assessments	Yes	Public Works Department

4.3. Fiscal Capabilities

Table 5 lists fiscal capabilities available to the City of Menlo Park that may be used to implement mitigation activities to reduce risk and enhance resiliency. This capability includes available funding sources from local budgets, state and federal grants, potential cost-sharing arrangements with private entities, existing insurance policies, and the ability to generate additional revenue through mitigation-related fees and bonds.

Table 5. Financial Capabilities

Capability	Accessible or Eligible to Use
Community Development Block Grants (CDBG, CDBG-DR)	Yes
Federal Hazard Mitigation Assistance Program *(i.e., Hazard Mitigation Grant Program (HMGP), HMGP Post Fire, Flood Mitigation Assistance (FMA) Program)*	Yes
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas, or electric service	Yes
Impact fees for homebuyers or developers of new development/homes	Yes
Stormwater utility fee	Yes
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	Yes (City Council authorization required)
Other federal or state funding programs	Yes
Open space acquisition funding programs	No

4.4. Education and Outreach Capabilities

Table 6 lists the City's education and public outreach capabilities that can be used to inform residents about potential hazards, educate on mitigation strategies, and encourage proactive actions to reduce the community's impacts to disasters. These capabilities include fire safety programs, hazard awareness campaigns, public information, and communications offices.

Table 6. Education and Outreach Capabilities

Capability	Yes/No	Comments *(e.g., position, department, agency, explanation)*
Public Information Officer	Yes	City Manager's Office
Personnel skilled or trained in website development	Yes	City Manager's Office
Hazard mitigation information is available on the jurisdiction's website	Yes	City Manager's Office, information posted based on the relevance of the season
Utilize social media for hazard mitigation education and outreach	Yes	**Facebook:** Facebook.com/cityofmenlopark/ **Instagram:** Instagram.com/cityofmenlopark/ **Nextdoor:** Nextdoor.com/menlo-park--ca/
Citizen boards or commissions that address issues related to hazard mitigation	Yes	Planning Commission City Manager's Office
Other programs already in place that could be used to communicate hazard-related information	Yes	City Manager's Office
An established warning system for hazard events	Yes	SMC Alert, in partnership with the San Mateo County Department of Emergency Management Genasys Protect Evacuation Platform Police Patrol Units Hi-Lo Siren

4.5. Community Classifications

The community classification relates to the community's ability to provide effective services to reduce its vulnerability to the identified hazards. These classifications can be viewed as indicators of the community's capabilities across all phases of emergency management (i.e., preparedness, response, recovery, and mitigation) and are used as underwriting parameters to determine the costs of various forms of insurance. **Table 7** summarizes the classifications of community programs available to the City of Menlo Park.

Table 7. Community Classifications

Program	Yes/No	Classification *(if applicable)*	Date Classified *(if applicable)*
Community Rating System (CRS)	Yes	8	10/1/2025
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	3	2020
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	2	2023
NWS StormReady®	No	n/a	n/a
NWS TsunamiReady®	No	n/a	n/a

Program	Yes/No	Classification *(if applicable)*	Date Classified *(if applicable)*
Firewise USA®	No	n/a	n/a

4.6. Needs to Expand/Improve Capabilities

The City has made progress in mainstreaming mitigation into land use decisions and capital investment programs, including embedding hazard mitigation, climate adaptation, and environmental justice considerations into General Plan elements, zoning standards, development review conditions, and Capital Improvement Program criteria. The City identified existing authorities, policies, programs, funding, and/or resources that need to be expanded and/or improved to support the implementation of the hazard mitigation initiatives identified in this Plan (e.g., mitigation actions). To better implement the Plan's mitigation strategies, Menlo Park must strengthen several technical, planning, and funding-related capabilities. A foundational need is to improve the City's asset inventory and risk analytics, particularly for seismic, flood, sea level rise, and repetitive loss risks. Developing a comprehensive, GIS-based inventory of critical facilities, lifelines, and infrastructure, paired with consistent risk and consequence scoring, would allow Menlo Park to better prioritize mitigation projects, quantify avoided losses, and establish a defensible basis for capital planning and grant applications.

The City also needs to expand its ability to mainstream mitigation into land use decisions and capital investment programs. This includes embedding hazard mitigation, climate adaptation, and environmental justice considerations into General Plan elements, zoning standards, development review conditions, and Capital Improvement Program criteria. By systematically integrating mitigation into these processes, Menlo Park can ensure that new development and infrastructure investments reduce future risk, protect vulnerable populations, and avoid exposure to hazards as growth continues.

Finally, Menlo Park must enhance its infrastructure readiness, flood preparedness, and grant strategy capacity. This includes implementing a lifecycle approach to emergency power systems at critical facilities, strengthening multi-agency coordination and Emergency Action Plans for flood and sea level rise risks, and conducting regular exercises to test operational readiness. In parallel, the City should build a more robust mitigation grant strategy by maintaining a shelf of grant-ready projects with defined scopes, cost estimates, benefit-cost documentation, and environmental readiness. Together, these improvements would position Menlo Park to more effectively leverage state and federal funding, accelerate implementation of mitigation actions, and achieve measurable reductions in long-term disaster risk.

5. NATIONAL FLOOD INSURANCE PROGRAM

The City of Menlo Park is a member of the National Flood Insurance Program (NFIP) and has chosen to participate in the NFIP Community Rating System (CRS) Program. The City is in good standing with the NFIP through adoption and enforcement of floodplain management requirements (e.g., regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and mapping, and flood insurance outreach to the community. The City's NFIP participation information is listed in **Table 8**.

Table 8. NFIP Participation Information

Community ID	NFIP Participation Date	Current Effective FIRM Date	CRS Entry Date	CRS Current Effective Date	CRS Class
060321	6/14/1974	4/5/2019	10/1/2020	10/1/2025	8

5.1. NFIP Floodplain Administrator

All NFIP participating jurisdictions have a designated Floodplain Administrator who is charged with enforcing floodplain regulations, routinely monitoring the floodplains, and providing community assistance, such as encouraging owners to maintain flood insurance. The City of Menlo Park Floodplain Administrator information is listed in **Table 9**.

Table 9. Floodplain Administrator

Name	Title	Department	Phone Number
Azalea A. Mitch	P.E., Public Works Director	Public Works	(650) 330-6692

5.2. Repetitive Loss and Severe Repetitive Loss Property

FEMA defines a Repetitive Loss property as an NFIP-insured property meeting at least one (1) of the following paid loss criteria since 1978, regardless of any changes in ownership:

- Four (4) or more separate claims payments greater than $5,000 each (including building and contents payment).
- Two (2) or more separate flood insurance claims payments (building payments only), where the total of the payments is greater than the property's current value.

Additionally, to receive a designation, at least two (2) of the claim payments must occur within 10 years of one another.[2]

A Severe Repetitive Loss property is defined by FEMA as any NFIP-insured single-family or multi-family residential building meeting at least one (1) of the following paid loss criteria since 1978 or from a building constructed after 1978, regardless of any changes in ownership:[3]

- That has incurred flood-related damage for which four (4) or more separate claims payments have been made, with the amount of each claim (including building and contents payments) exceeding $5,000, and with the cumulative amount of such claims payments exceeding $20,000.

[2] Federal Emergency Management Agency, National Flood Insurance Program. (2023). A Policyholder's Guide to Severe Repetitive Loss. Retrieved from https://agents.floodsmart.gov/sites/default/files/fema_nfip-policyholders-guide-severe-repetitive-loss_brochure_07-2023.pdf.
[3] Federal Emergency Management Agency, National Flood Insurance Program. (2021). National Flood Insurance Program: Flood Insurance Manual. Retrieved from https://www.fema.gov/sites/default/files/documents/fema_nfip-all-flood-insurance-manual-apr-2021.pdf.

- For which at least two (2) separate claims payments (building payments only) have been made under such coverage, with the cumulative amount of such claims exceeding the market value of the building.

Table 10 summarizes FEMA Repetitive Loss and Severe Repetitive Loss properties within the City of Menlo Park.

Table 10. Repetitive Loss and Severe Repetitive Loss Properties

Repetitive Loss Properties		Severe Repetitive Loss Properties	
Total	***Occupancy***	***Total***	***Occupancy***
1	**1** Single Family	0	n/a
Occupancy Type: *Single Family = Single family residence • Two (2)-Four (4) Unit Residential Building = Two (2)-four (4) unit residential building • More Than Four (4) Units Residential Building = Residential building with more than four (4) units • Non-Residential Building = Non-residential building • Non-Residential Business = Non-residential business • Single Family Residential Building = Single-family residential building with the exception of a mobile home or a single residential unit within a multi-unit building • Residential (2, 3, or 4 units) Non-Condo Building = Residential non-condo building with two (2), three (3), or four (4) units seeking insurance on all units • Residential (5 or more units) Non-Condo Building = Residential non-condo building with 5 or more units seeking insurance on all units • Residential Mobile/Manufactured Home = Residential mobile/manufactured home • Residential Condo Association = Residential condo association seeking coverage on a building with one (1) or more units • Single Residential Unit = Single residential unit within a multi-unit building • Non-Residential Mobile/manufactured Home = Non-residential mobile/manufactured home • Non-Residential Building = Non-residential building • Non-Residential Unit = Non-residential unit within a multi-unit building*			

Table 11 summarizes NFIP active policies and coverage in force data for the City of Menlo Park.

Table 11. NFIP Policies

NFIP Policies	Insurance in Force	Total Claims Paid	Sum of Claims Paid
227	$64,327,000	5	$62,703.56

5.3. Participation Activities

The City of Menlo Park's NFIP participation over the last five (5) years includes the following:

- Community staff provide the following services – permit reviews, GIS, inspections, and engineering capability.
- The community teaches property owners or other stakeholders about the importance of flood insurance through public outreach events, workshops, and/or seminars.
- The community enforces local floodplain regulations and monitors compliance.
- The community's floodplain development regulations meet or exceed Federal Emergency Management Agency (FEMA) or State minimum requirements.
- The community participates in the Community Rating System (CRS) Program.

5.3.1. Substantial Damage

Substantial damage means damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed 50% of the market value of the structure before the damage occurred. *(Title 12, Chapter 12.42 of the City Code)*

5.3.2. Substantial Improvement

Substantial improvement means any repair, reconstruction or improvement of a structure the cost of which equals or exceeds 50% of the market value of the structure either:

- Before the improvement or repair is started.
- If the structure has been damaged, and is being restored, before the damage occurred. For the purposes of this definition "substantial improvement" is considered to occur when the first alteration of any wall, ceiling, floor or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure. The term does not, however, include either:
    - Any project for improvement of a structure to comply with existing state or local health, sanitary or safety code specifications which are solely necessary to assure safe living conditions.
    - Any alteration of a structure listed on the National Register of Historic Places or a state inventory of historic places. *(Title 12, Chapter 12.42 of the City Code)*

5.3.3. Substantial Damage/Substantial Improvement Determination Process

Menlo Park determines whether a structure has sustained substantial damage following a flood event through a coordinated, post-disaster assessment process led by the Community Development Department and Building Division, consistent with the City's floodplain management regulations and NFIP requirements. After a flooding incident, City staff conduct field inspections and damage assessments to document flood-related impacts to affected structures. Property owners are required to provide repair cost estimates prepared by licensed contractors, which the City reviews. City staff then compares the total cost to repair the flood damage (to restore the structure to its pre-damage condition) against the structure's pre-damage market value (excluding land value), using accepted valuation sources such as County Assessor records or independent appraisals. If the cost of repairs equals or exceeds 50% of the structure's market value, the structure is determined to be substantially damaged. When this threshold is met, the City notifies the property owner in writing and requires that any reconstruction or improvement comply with current floodplain standards, including elevation or floodproofing requirements. This process ensures consistent enforcement of substantial damage and substantial improvement provisions while supporting long-term flood risk reduction and NFIP compliance.

6. HAZARD MITIGATION PLAN INTEGRATION

For a community to successfully reduce long-term risk, hazard mitigation must be integrated into day-to-day planning mechanisms and initiatives. Plan integration is the process by which communities critically

assess the existing planning framework and align efforts to reduce long-term risks and build a more resilient community. It involves a two (2) way exchange of information and incorporation of ideas and concepts between hazard mitigation plans and other community plans. In particular, plan integration involves incorporating hazard mitigation principles and actions into other plans and integrating planning mechanisms into hazard mitigation plans. Plan integration involves community plans, policies, codes, and programs that guide development and define roles and responsibilities for implementing these capabilities. Additionally, plan integration is achieved through the involvement of key staff and community officials in collaborative hazard mitigation planning.

6.1. Existing Plan Integration

A hazard mitigation plan must explain how the jurisdiction incorporated the previous Plan update over the last five (5) years to demonstrate progress in local mitigation efforts. During the performance period since the adoption of the previous LHMP, the City of Menlo Park has made progress in integrating components of the hazard mitigation strategy (e.g., goals, objectives, and actions) into planning initiatives and mechanisms. **Table 12** highlights the planning mechanisms/initiatives in which the previous Plan was integrated and the information integrated.

Table 12. Existing Plan Integration

Planning Initiative	Current Integration Description
General Plan (Safety Element)	The Safety Element addresses natural and climate-related hazards, including seismic, flood, fire, and climate impacts, and provides policies guiding the type, location, intensity, and design of development in hazard-prone areas. These policies are intended to reduce risk to life and property while supporting informed land use decisions consistent with state requirements, including Assembly Bill 2140. The LHMP served as a crucial tool in shaping policies and actions within the General Plan.
Climate Action and Climate Adaptation Planning	The City's Climate Action Plan and related climate initiatives support hazard mitigation by reducing greenhouse gas emissions and advancing adaptation strategies related to extreme heat, flooding, drought, and sea level rise. LHMP goals and actions are coordinated with climate planning efforts to support shared mitigation and resilience objectives.
Zoning and Open Space Protection	The Zoning Code (Title 16 of the City Code) includes provisions such as the Open Space and Conservation District, which preserves open space for conservation, hazard buffering, and protection of life and property from fire, flood, and seismic hazards, while coordinating with federal, state, and regional open space planning efforts.
Stormwater Management and Floodplain Regulation	New and redevelopment projects are required to reduce stormwater runoff and pollutant loading consistent with NPDES permit requirements and floodplain management regulations. These requirements support flood hazard mitigation, water quality protection, and climate resilience objectives identified in the LHMP.
Environmental Review and Growth Management	Development projects are subject to environmental review under the CEQA, which provides a mechanism to identify hazard exposure and requires mitigation measures consistent with LHMP goals.
Environmental Protection and Sustainability Programs	The City has adopted ordinances and policies addressing building energy standards, vehicle electrification, sustainable fleet management, and urban forestry. These programs support mitigation of climate-related hazards, including wildfire risk reduction, drought adaptation, and air quality improvement.

Planning Initiative	Current Integration Description
Flood Damage Prevention	Floodplain management regulations (Section 12.42.13 of the City Code) are designed to reduce public and private losses from flooding by protecting life and health, minimizing damage to infrastructure, reducing emergency response costs, and ensuring informed development decisions in Special Flood Hazard Areas (SFHA).
Capital Improvement Planning	The Capital Improvement Plan includes infrastructure projects that support hazard mitigation, including stormwater, transportation, utilities, and public facilities. The City coordinates capital planning with LHMP priorities to ensure consistency and to identify potential funding opportunities for mitigation projects.
Water Supply and Drought Planning	The Urban Water Management Plan and Water Shortage Contingency Plan assess long-term water supply reliability and establish staged response actions for drought and supply interruptions, supporting public health, economic stability, and environmental protection during water shortage events.

6.2. Potential Future Integration

A hazard mitigation plan must explain how the jurisdiction intends to incorporate this Plan update into planning mechanisms over the next five (5) years. The capability assessment presented in Section 4 of this Annex identifies codes, plans, and programs that provide opportunities for integration. **Table 13** outlines planning mechanisms/initiatives that do not currently integrate the goals and recommendations of this Plan but provide opportunities to do so in the future.

Table 13. Potential Future Integration

Planning Initiative	Current Integration Description
General Plan	The City will continue to integrate the LHMP into all General Plan Element updates, particularly the Safety Element and the Environmental Justice Element. During periodic General Plan updates, hazard data, vulnerability assessments, and mitigation strategies from the LHMP will be reviewed and incorporated into policy language that addresses seismic safety, flooding, sea level rise, wildfire smoke, extreme heat, and climate adaptation. The City will also use the LHMP's hazard profiles and risk assessments to inform land use policies, site suitability discussions, and long-range growth decisions, ensuring that hazard exposure and resilience considerations are embedded into the City's foundational planning document rather than treated as standalone emergency management topics.
Capital Improvement Program	Mitigation actions identified in the LHMP, such as seismic retrofits, flood control improvements, stormwater system upgrades, and emergency power enhancements at critical facilities, will be evaluated for inclusion in the multi-year Capital Improvement Program (CIP) and annual updates. City departments will use LHMP data to justify project prioritization, scope development, and sequencing, particularly where infrastructure failure would significantly impact life safety, continuity of operations, or vulnerable populations. By aligning mitigation actions with routine capital replacement and rehabilitation cycles, the City will reduce long-term risk, maximize cost efficiency, and leverage mitigation investments across multiple funding sources.

Planning Initiative	Current Integration Description
Building and Zoning Ordinances	Hazard maps, floodplain data, and mitigation policies will inform project conditions of approval, building standards, and floodplain management requirements, including substantial damage and substantial improvement determinations. Mitigation actions and the hazard risk assessment in this LHMP can also inform updates and revisions to the City Code (e.g., building, zoning). Portions of this LHMP will be reviewed to consider any future improvements to the Code, if appropriate.
Emergency Preparedness, Continuity Planning, and Interagency Coordination	The LHMP will continue to guide staff training, emergency operations planning, and collaboration with special districts and regional partners. Through these mechanisms, Menlo Park ensures that hazard mitigation goals and actions are systematically translated from planning documents into day-to-day decision-making, capital investments, and long-term resilience outcomes.

By integrating the LHMP into operational planning, asset management, development financing, continuity planning, climate initiatives, and grant strategies, Menlo Park can move mitigation from a periodic planning exercise to a continuous decision-making framework. These integration mechanisms ensure that hazard data and mitigation actions inform daily operations, long-term investments, and funding decisions, resulting in more consistent implementation, stronger resilience outcomes, and reduced long-term disaster risk for the community.

The City of Menlo Park's Local Planning Team will identify all relevant planning initiatives scheduled for update in the next year and during the annual update process of the LHMP. Additionally, the Local Planning Team will identify opportunities to integrate key elements of the LHMP, specifically relevant strategies, into the planning initiatives. Mitigation actions were identified to promote plan integration in future revisions of this Plan.

7. SIGNIFICANT PAST EVENTS

A complete risk assessment, including past incidents, for each identified hazard of concern, can be found in **Volume 1** of this Plan. A summary of past events is provided under each hazard profile and includes a chronology of events that have affected the County and its municipalities. **Table 14** provides information on significant hazard events that uniquely impacted the City of Menlo Park.

Table 14. Significant Past Events

Date	Event Type *(include Disaster Declaration, if applicable)*	Description of Event and Impacts
December 2022	n/a	Heavy rainfall and strong winds resulted in flooding and extended power outages throughout the City.
August 2020	DR-4558	Large wildfires outside San Mateo County led to poor air quality in the City.
February 2017	DR-4308	Heavy rainfall led to flooding and road closures throughout the City.

Date	Event Type *(include Disaster Declaration, if applicable)*	Description of Event and Impacts
December 2012	n/a	An atmospheric river produced heavy rainfall, resulting in $3 million in total damage, including severe creek bank erosion and impacts on private property. Of this total, $820,000 was attributed to residential losses, with the remainder affecting local businesses and infrastructure.
February 1998	DR-1203	An atmospheric river produced heavy rainfall, resulting in flooding and road closures throughout the City.

8. HAZARD VULNERABILITY AND IMPACT ASSESSMENT

Exposure and vulnerability to certain hazards affect the entire County, and others are geographically defined. Although the entire County may be vulnerable to these hazards, their impacts may vary depending on existing community conditions (e.g., underserved populations or those with access and functional needs may be more susceptible under certain conditions).

The Local Planning Team identified ***unique vulnerabilities and impacts*** to the following natural hazards, based on the hazards profiled in **Volume 1**.

- Dam Failure
- Earthquake
- Flood *(riverine flooding, urban/flash flooding, coastal flooding)*
- Sea Level Rise
- Severe Weather *(heavy rainfall, severe thunderstorms, strong winds, tornadoes, heat wave/extreme heat, fog)*

It was determined that the planning area did not have unique vulnerabilities or impacts from the following natural hazards; rather, its vulnerabilities and impacts are consistent with those experienced throughout the County.

- Drought
- Landslide
- Tsunami
- Wildfire

Note: Severe weather and flood are profiled as the two (2) hazards. However, to conduct a more thorough risk assessment, the sub-hazards (i.e., heavy rainfall, heat wave/extreme heat, fog, severe thunderstorms, tornadoes, strong winds, riverine flooding, urban/flash flooding, and coastal flooding) were ranked individually. The hazard risk assessment methodology can be found in Chapter 4 of **Volume 1** of this Plan.

Table 15 outlines the ***unique vulnerabilities and impacts*** for the City of Menlo Park and addresses only the hazards relevant to the jurisdiction. A complete risk assessment for each identified hazard of concern is in **Volume 1** of this Plan. Hazard mapping can be found in Appendix A of this Annex.

Table 15. Hazard Vulnerability and Impact Assessment

Hazard	Vulnerability and Impacts
Dam Failure	Dam failure presents a low-probability but potentially high-consequence hazard for the City of Menlo Park. While no dams are located within the City boundary, several upstream reservoirs and dams within the San Francisquito Creek watershed could affect Menlo Park if a catastrophic failure were to occur. Of particular concern are the Bear Gulch Reservoir Dam and the Searsville Dam, both located upstream of the City. A significant seismic event, extreme hydrologic conditions, or structural failure could result in the rapid release of floodwaters, causing downstream flooding, damaging infrastructure, and disrupting transportation and utility systems. Major dam failure could create complex emergency conditions with limited warning time. Floodwaters could affect portions of the San Francisquito Creek corridor and disrupt key transportation routes used for evacuation and emergency response, including Marsh Road, Ravenswood Avenue, Ringwood Avenue, and portions of El Camino Real. Secondary impacts could include utility outages, roadway closures, and challenges in coordinating emergency operations across multiple jurisdictions. Although the risk associated with the Searsville Dam and other upstream facilities is considered minor compared to other hazards (e.g., earthquakes), dam failure remains a recognized hazard within the watershed and warrants continued regional coordination, emergency planning, and public preparedness efforts.
Drought	The Local Planning Team determined that the City does not have unique vulnerabilities or impacts from drought; rather, the jurisdiction's vulnerabilities and impacts are consistent with those experienced throughout the County.

Hazard	Vulnerability and Impacts
Earthquake	Earthquakes are among the most significant natural hazards facing the City of Menlo Park. The City lies between several major active fault systems, including the San Andreas, Hayward, and San Gregorio faults, all of which can produce damaging seismic events. Strong ground shaking could cause widespread damage to residential, commercial, and public buildings, as well as critical infrastructure, including transportation corridors, bridges, utilities, communications systems, and public facilities. Menlo Park also contains areas of moderate to very high liquefaction susceptibility, particularly in low-lying and Bay-adjacent areas underlain by bay fill and soft soils. During a major earthquake, liquefaction and ground settlement could cause significant damage to structures, roadways, underground utilities, and other infrastructure. The impacts of a major earthquake would likely go beyond structural damage. Disruptions to water, power, natural gas, telecommunications, and transportation systems could hinder emergency response and recovery operations. Earthquakes may also trigger secondary hazards, including fires, hazardous materials releases, medical surges, and infrastructure failures. Additionally, some older buildings in the City were built before modern seismic standards and may be more vulnerable to damage. Menlo Park's location along the San Francisco Bay also creates potential exposure to tsunami-related impacts following a large offshore earthquake, particularly in shoreline and Bayfront areas. These combined risks make earthquake preparedness, seismic mitigation, and resilience planning essential elements of the City's hazard mitigation strategy.
Flood *(riverine flooding, urban/flash flooding, coastal flooding)*	Flooding is one of the most significant and recurring natural hazards affecting the City of Menlo Park due to its proximity to the San Francisquito Creek, the Atherton Channel, and the San Francisco Bay, as well as low-lying areas along the Bay shoreline. Portions of the City, including the Belle Haven neighborhood and Bayfront areas, are vulnerable to flooding from heavy winter storms, atmospheric river events, high tides, stormwater runoff, and rising sea levels. Flood risks are influenced by levees, flood-control infrastructure, and tidal systems, which may be stressed during extreme weather events. Historically, flooding along San Francisquito Creek has caused substantial regional impacts, most notably during the 1998 flood, which resulted in widespread damage and led to significant investments in flood management and resilience. Flooding can damage homes, businesses, public facilities, and critical infrastructure; disrupt utilities and transportation networks; restrict access along key corridors such as Marsh Road, Willow Road, and US Highway 101; and create environmental and public health impacts that complicate recovery efforts. As climate change increases the frequency and severity of extreme precipitation events and sea level rise, continued investment in flood mitigation, climate adaptation, and resilient infrastructure remains a critical priority for the City of Menlo Park.

Hazard	Vulnerability and Impacts
Landslide	The Local Planning Team determined that the City does not have unique vulnerabilities or impacts from landslides; rather, the jurisdiction's vulnerabilities and impacts are consistent with those experienced throughout the County.
Sea Level Rise	Sea level rise is a significant long-term hazard facing the City of Menlo Park due to its location along the San Francisco Bay and the presence of low-lying residential neighborhoods, critical infrastructure, transportation corridors, and environmentally sensitive shoreline areas. Portions of the City, including the Belle Haven neighborhood, Bayfront areas, and adjacent marshlands, are particularly vulnerable due to their relatively low elevations and reliance on levee systems, flood control facilities, tidal systems, and stormwater infrastructure for protection. As sea levels continue to rise, these protective systems will face increasing stress, increasing the likelihood of tidal flooding, storm surge impacts, and inundation during extreme weather events. Sea level rise also exacerbates existing flood hazards by reducing the ability of stormwater systems and creeks to discharge into the Bay, increasing the potential for localized flooding during heavy rainfall and atmospheric river events. Critical transportation routes, including US Highway 101, Marsh Road, and Willow Road, as well as utility infrastructure serving the community, may experience more frequent flooding, operational disruptions, or long-term exposure to inundation. Rising groundwater levels may further affect underground infrastructure, building foundations, and public facilities. As climate change continues to influence sea levels and coastal flooding patterns, adaptation planning, shoreline resilience projects, and the integration of sea level rise considerations into land use planning, infrastructure, and emergency management will remain critical priorities for the City of Menlo Park.
Severe Weather *(heavy rainfall, severe thunderstorms, strong winds, tornadoes, heat wave/extreme heat, fog)*	Severe weather poses a recurring hazard to the City of Menlo Park. It can include heavy rainfall, atmospheric river events, strong winds, thunderstorms, extreme heat, and periods of poor air quality associated with regional wildfire activity. Winter storms can cause localized flooding, downed trees, power outages, transportation disruptions, and damage to public and private property. Strong winds may impact utility infrastructure, block roadways, and create hazardous conditions for residents, businesses, and emergency responders. Severe weather events can also place increased demands on public safety resources and essential services while disrupting community operations. Climate change is expected to increase the frequency and intensity of certain severe weather events, particularly extreme precipitation, heat waves, and prolonged periods of poor air quality. These conditions may affect vulnerable populations, strain critical infrastructure, and increase the likelihood of cascading impacts, including flooding, power outages, transportation disruptions, and public health emergencies. As a result, preparedness planning, infrastructure resilience, public warning systems, and interagency coordination remain essential components of the City of Menlo Park's efforts to reduce risk and enhance community resilience to severe weather hazards.

Hazard	Vulnerability and Impacts
Tsunami	The Local Planning Team determined that the City does not have unique vulnerabilities or impacts from tsunamis; rather, the jurisdiction's vulnerabilities and impacts are consistent with those experienced throughout the County.
Wildfire	The Local Planning Team determined that the City does not have unique vulnerabilities or impacts from wildfires; rather, the jurisdiction's vulnerabilities and impacts are consistent with those experienced throughout the County.

The City evaluated whether vulnerability in hazard-prone areas had increased, decreased, or remained the same for each natural hazard identified in this LHMP. Climate change, changes in population, infrastructure expansion, and economic shifts that can affect vulnerability were considered. For example, if planned development is in an identified hazard area or is not built to the updated building codes, it may increase the community's vulnerability to future hazards and disasters. On the other hand, if development occurred with mitigation practices in place, the vulnerability may have remained the same or decreased. Additionally, shifting demographics (e.g., underserved population) were taken into consideration.

Table 16 outlines whether climate change has increased or decreased the City's vulnerability (i.e., exposure) and impact to each natural hazard over the past five (5) years, and the effect of climate change on the future probability of occurrence and impacts from each natural hazard.

Table 16. Climate Change: Current and Future Vulnerability and Impact

Hazard	Vulnerability and Impact
Current Vulnerability and Impact	
Dam Failure	Remained the Same
Drought	Increased
Earthquake	Remained the Same
Flood *(riverine flooding, urban/flash flooding, coastal flooding)*	Increased
Landslide	Remained the Same
Sea Level Rise	Increased
Severe Weather *(heavy rainfall, severe thunderstorms, strong winds, tornadoes, heat wave/extreme heat, fog)*	Increased
Tsunami	Remained the Same
Wildfire	Increased
Future Vulnerability and Impact	
Dam Failure	No Change Anticipated
Drought	Increase
Earthquake	No Change Anticipated
Flood *(riverine flooding, urban/flash flooding, coastal flooding)*	Increase
Landslide	No Change Anticipated

Hazard	Vulnerability and Impact
Sea Level Rise	Increase
Severe Weather *(heavy rainfall, severe thunderstorms, strong winds, tornadoes, heat wave/extreme heat, fog)*	Increase
Tsunami	No Change Anticipated
Wildfire	Increase

Table 17 outlines whether changes in population within the City over the past five (5) years have increased or decreased the vulnerability (i.e., exposure) and impact to these natural hazards, and the anticipated effects changes in population may have on the future probability of occurrence and impacts from these natural hazards.

Table 17. Changes in Population: Current and Future Vulnerability and Impact

Hazard	Vulnerability and Impact
Current Vulnerability and Impact	
Dam Failure	Remained the Same
Drought	Remained the Same
Earthquake	Remained the Same
Flood *(riverine flooding, urban/flash flooding, coastal flooding)*	Remained the Same
Landslide	Remained the Same
Sea Level Rise	Remained the Same
Severe Weather *(heavy rainfall, severe thunderstorms, strong winds, tornadoes, heat wave/extreme heat, fog)*	Remained the Same
Tsunami	Remained the Same
Wildfire	Remained the Same
Future Vulnerability and Impact	
Dam Failure	No Change Anticipated
Drought	Increase
Earthquake	Increase
Flood *(riverine flooding, urban/flash flooding, coastal flooding)*	Increase
Landslide	No Change Anticipated
Sea Level Rise	Increase
Severe Weather *(heavy rainfall, severe thunderstorms, strong winds, tornadoes, heat wave/extreme heat, fog)*	Increase
Tsunami	No Change Anticipated
Wildfire	Increase

Table 18 outlines whether development over the past five (5) years has increased or decreased the City's vulnerability (i.e., exposure) and impact to these natural hazards, and the anticipated effects changes in development may have on the future probability of occurrence and impacts from these natural hazards.

Table 18. Changes in Development: Current and Future Vulnerability and Impact

Hazard	Vulnerability and Impact
Current Vulnerability and Impact	
Dam Failure	Remained the Same
Drought	Increased
Earthquake	Increased
Flood *(riverine flooding, urban/flash flooding, coastal flooding)*	Increased
Landslide	Remained the Same
Sea Level Rise	Increased
Severe Weather *(heavy rainfall, severe thunderstorms, strong winds, tornadoes, heat wave/extreme heat, fog)*	Increased
Tsunami	Remained the Same
Wildfire	Remained the Same
Future Vulnerability and Impact	
Dam Failure	No Change Anticipated
Drought	Increase
Earthquake	Increase
Flood *(riverine flooding, urban/flash flooding, coastal flooding)*	Increase
Landslide	No Change Anticipated
Sea Level Rise	Increase
Severe Weather *(heavy rainfall, severe thunderstorms, strong winds, tornadoes, heat wave/extreme heat, fog)*	Increase
Tsunami	Increase
Wildfire	Increase

8.1. Future Major Assets

Community assets should include anything important to a community's character and function. Assets include people (i.e., underserved population); structures (i.e., new and existing buildings); community lifelines and other critical facilities; natural, historic, and cultural resources; and the economy and other activities that have value to the community. The City of Menlo Park does not anticipate that future major assets may be exposed or vulnerable to any of the natural hazards identified in this LHMP. However, any new assets (e.g., new construction in hazard-prone areas) will be built to comply with the latest building codes and standards and will be designed and built to mitigate risks from identified and anticipated hazards, especially those expected to increase due to climate change.

9. HAZARD RISK RANKING

Table 19 presents the local hazard ranking for the City of Menlo Park of all hazards of concern listed in **Volume 1** of this Plan. This ranking summarizes how hazards vary for this jurisdiction. As thoroughly described in **Volume 1** of this Plan, 14 factors were evaluated to provide an informed and comprehensive analysis and ranking of the hazards included in this LHMP.

- **Probability** (likelihood of annual occurrence)
- **Extent** of the hazard, including catastrophic potential
- **Vulnerability** (i.e., exposure) of the population, property (including critical infrastructure), and changes in the development (over the past five (5) years)
- **Impacts** on population and life safety, underserved population, property (including critical infrastructure), the economy, the environment, continuity of operations/delivery of services, future development, and climate change

The scores for extent, vulnerability, and impact were weighted and combined to produce a consequence score. This consequence score was then multiplied by the probability score to calculate the total risk score for each hazard. At the fundamental level, the consequence is an assessment of the potential impact(s) if the hazard incident were to occur. In this assessment, the consequence score (i.e., the consequence of an event) will be independent of the extent, vulnerability, and impacts. The probability of the hazards is not included in assessing the consequence because, without an event, there is no consequence or impact. For further details on how the probability, extent, vulnerability, and impact factors in **Table 19** were calculated, please refer to Chapter 4 in **Volume 1** of this Plan. Details of the hazard ranking results are provided in Appendix C of this Annex.

It is important to note that the sub-hazards for severe weather (i.e., heavy rainfall, severe thunderstorms, strong winds, tornadoes, heat wave/extreme heat, and fog) and flood (i.e., riverine flooding, urban/flash flooding, coastal flooding) were individually ranked in the hazard risk ranking; however, severe weather and flood are each considered as the main hazard throughout this Annex and **Volume 1**.

Table 19. City of Menlo Park Hazard Risk Ranking

Hazard Event	Probability Factor	Sum of Weighted Extent Factors	Sum of Weighted Vulnerability Factors	Sum of Weighted Impact Factors	Consequence Score	Total Risk Score*
Urban/Flash Flooding ***(Flood)***	3	18	14	32	64	89
Heavy Rainfall ***(Severe Weather)***	3	12	13	23	48	67
Earthquake	2	18	14	35	67	62
Strong Winds ***(Severe Weather)***	3	9	13	22	44	61
Coastal Flooding ***(Flood)***	2	15	9	36	60	56
Sea Level Rise	3	6	7	25	38	53
Heat Wave/Extreme Heat ***(Severe Weather)***	3	9	10	15	34	47
Wildfire	2	12	5	29	46	43
Riverine Flooding ***(Flood)***	2	12	6	28	46	43
Severe Thunderstorm ***(Severe Weather)***	2	12	13	21	46	43
Drought	2	6	10	19	35	32
Dam Failure	1	12	6	28	46	21
Tornado ***(Severe Weather)***	1	6	13	13	32	15
Fog ***(Severe Weather)***	1	6	9	11	26	12
Landslide	1	6	5	13	24	11
Tsunami	1	6	5	12	23	11

Extent: Sum of the weighted Extent factors.
Vulnerability: Sum of the weighted Vulnerability factors.
Impact: Sum of the weighted Impact factors.

Consequence Score: Extent + Vulnerability + Impact (Sum of all weighted factors).
Total Risk Score = Probability x Consequence
* Normalized to 100

Total Risk Score Legend

Classification	Probability	Extent	Vulnerability	Impact	Consequence Score	Total Risk Score
Low (L)	1	0 – 6	0 – 4	0 – 12	0 – 24	0 – 32
Medium (M)	2	7 – 12	5 – 10	13 – 26	25 – 48	33 – 66
High (H)	3	13 – 18	11 – 15	27 – 39	49 – 72	67 – 100

*The **legend**—specifically the assignment of low, medium, and high—provides an additional means to qualitatively assess the probability factor, sum of weighted factors, and the total risk scores for each hazard. The **Consequence Score** represents the sum of the Extent, Vulnerability, and Impact Factors. The **Total Risk Score** is a measure of Probability and Consequence.*

10. MITIGATION ACTIONS

This section includes the mitigation actions developed to address the risks and vulnerabilities to the hazards identified in this Plan. This Plan serves only to recommend mitigation measures based on the potential for risk reduction and available funding. Implementation of mitigation actions is dependent on risk reduction priorities, feasibility, and available funding. It is also dependent on the cooperation and support of the jurisdiction and/or department responsible for each action item. Additionally, all mitigation actions identified in the 2021 update or before were updated accordingly. Any new mitigation actions are listed as *New* (under Project Status).

The City of Menlo Park agreed to **22** mitigation actions that apply to the jurisdiction's properties for which it has jurisdictional responsibility and authority. A summary of the City's mitigation actions status is listed in **Table 20**.

Note: The mitigation actions outlined in this Plan are designed only to address those natural hazards that received a risk ranking of *medium* or *high* during the hazard risk assessment (**Table 19**). Hazards that ranked *low* (dam failure, drought, landslide, and tsunami) may not have specific mitigation actions detailed in this document.

Table 20. City of Menlo Park Mitigation Actions Summary

Status	Mitigation Action Total
Continuing	1
In Progress	20
Not Yet Started	1
New	0
TOTAL	**22**
Completed	5
No Longer Needed	7

Mitigation Actions per Hazard			
Dam Failure	9	Sea Level Rise	10
Drought	7	Severe Weather *(heavy rainfall, severe thunderstorms, strong winds, tornadoes, heat wave/extreme heat, fog)*	19
Earthquake	11	Tsunami	3
Flood *(riverine flooding, urban/flash flooding, coastal flooding)*	20	Wildfire	7
Landslide	5		

A detailed explanation of the Mitigation Strategy can be found in Chapter 5 of **Volume 1**.

Mitigation Action	Where appropriate, support retrofitting, purchasing, or relocating structures located in high-hazard areas, prioritizing those that have experienced repetitive losses and/or are in high- or medium-risk hazard areas. This may include, but is not limited to, an inventory of structures in the City known to be at seismic risk.				
Action Number	MPK-1	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	25/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	Medium
Hazard(s) Mitigated		Earthquake, Flood			
Project Status		In Progress	If *No Longer Needed*, provide reason.	n/a	
Benefits *(Loss Avoided)*		Medium			
Lead Agency / Organization		City of Menlo Park Public Works Department			
Supporting Agency / Organization *(If applicable)*		n/a			
Additional Participating Jurisdictions *(If Applicable)*		n/a			
Estimated Cost		High	**Potential Funding Source**	HMGP, FMA	
Additional Details *(optional)*					

Mitigation Action	Integrate the San Mateo County Local Hazard Mitigation Plan and CalEnvrioScreen into other plans, ordinances, and programs that dictate land use decisions within the community, including, but not limited to, the General Plan (and its elements, as appropriate). CalEnviroScreen's four (4) broad groups of environmental condition indicators (exposures, environmental effects, sensitive populations, and socioeconomic factors) can inform plans to promote public health, protect against environmental hazards, and enrich the quality of life for all Menlo Park residents.				
Action Number	MPK-2	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	29/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	Medium
Hazard(s) Mitigated	Earthquake, Flood, Sea Level Rise				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Community Development Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Low	**Potential Funding Source**	General Fund (Staff Time)		
Additional Details *(optional)*	The Environmental Justice and Safety elements in the General Plan were completed.				

Mitigation Action	Integrate the San Mateo County Local Hazard Mitigation Plan into other City plans, ordinances, and programs that support infrastructure investments, such as the Capital Improvement Program.				
Action Number	MPK-3	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2016	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated	Drought, Earthquake, Flood, Sea Level Rise				
Project Status	Completed	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	n/a				
Lead Agency / Organization	n/a				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	n/a	**Potential Funding Source**	n/a		
Additional Details *(optional)*					

Mitigation Action	Actively participate in the Hazard Mitigation Plan maintenance protocols outlined in Volume 1 of the San Mateo County Local Hazard Mitigation Plan.				
Action Number	MPK-4	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	25/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	Ongoing	**Implementation Priority**	Medium
Hazard(s) Mitigated	Dam Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire				
Project Status	Continuing	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Low	**Potential Funding Source**	General Fund (Staff Time)		
Additional Details *(optional)*					

Mitigation Action	Continue to keep good standing and compliance with the National Flood Insurance Program (NFIP) by implementing floodplain management programs that, at a minimum, meet NFIP requirements. These include, but are not limited to, enforcing the City's flood damage prevention ordinance, participating in floodplain identification and mapping updates, and providing public assistance/information on floodplain requirements and impacts. Additionally, leverage other community mitigation frameworks, such as Tree City USA and the Building Code Effectiveness Grading Schedule (BCEGS), and work toward obtaining StormReady Community certification to optimize emergency notification systems and incentivize hazard reduction on private property.				
Action Number	MPK-5	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	30/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Flood, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Low	**Potential Funding Source**	General Fund (Staff Time)		
Additional Details *(optional)*					

Mitigation Action	Implement pre- and post-disaster recovery plans, a post-earthquake operations plan, and a debris management plan to institutionalize resilient construction and long-term risk reduction, in accordance with FEMA guidelines.				
Action Number	MPK-6	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	32/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	1 to 2 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Earthquake, Flood, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	Medium				
Lead Agency / Organization	City of Menlo Park City Manager's Office (Emergency Services)				
Supporting Agency / Organization *(If applicable)*	Menlo Park Fire Protection District				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	General Fund (Staff Time)		
Additional Details *(optional)*					

Mitigation Action	Develop mitigation controls (e.g., continuity of government plans) and ensure that protective measures are in place for vulnerable critical facilities within the City (e.g., police stations, fire stations, emergency operations center, City Hall, emergency shelters).				
Action Number	MPK-7	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	28/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	1 to 2 Years	**Implementation Priority**	Medium
Hazard(s) Mitigated	Dam Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	Medium				
Lead Agency / Organization	City of Menlo Park City Manager's Office (Emergency Services)				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	General Plan (Staff Time), HMGP		
Additional Details *(optional)*					

Mitigation Action	Execute storm preparedness plans to ensure that stormwater drains, culverts, drainage ditches, and other waterways (e.g., Atherton Channel and San Francisquito Creek) remain clear of debris to provide continuous flood protection.				
Action Number	MPK-8	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	35/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Dam Failure, Flood, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	General Fund (Staff Time)		
Additional Details *(optional)*					

Mitigation Action	Coordinate with the San Francisquito Creek Joint Powers Authority on San Francisquito Creek and the Strategy to Advance Flood Protection, Ecosystems, and Recreation along the San Francisco Bay (SAFER Bay) flood control projects.				
Action Number	MPK-9	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	34/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Dam Failure, Flood, Landslide, Sea Level Rise, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	HMGP, FMA		
Additional Details *(optional)*					

Mitigation Action	Coordinate with the California Coastal Conservancy and the United States Fish & Wildlife Service on the South Bay Salt Pond Restoration Project.				
Action Number	MPK-10	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2016	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated	Flood, Sea Level Rise, Severe Weather				
Project Status	Completed	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	n/a				
Lead Agency / Organization	n/a				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	n/a	**Potential Funding Source**	n/a		
Additional Details *(optional)*					

Mitigation Action	Upsize the Chrysler Pump Station to improve flood protection in the Bayfront Area.				
Action Number	MPK-11	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2016	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated	Flood, Sea Level Rise, Severe Weather				
Project Status	Completed	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	n/a				
Lead Agency / Organization	n/a				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	n/a	**Potential Funding Source**	n/a		
Additional Details *(optional)*					

Mitigation Action	Produce hazard maps that account for the impacts of climate change-induced flooding.				
Action Number	MPK-12	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2016	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated	Flood, Sea Level Rise, Severe Weather				
Project Status	Completed	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	n/a				
Lead Agency / Organization	n/a				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	n/a	**Potential Funding Source**	n/a		
Additional Details *(optional)*					

Mitigation Action	Develop and implement a climate adaptation and resilience plan that includes the following strategies: • Identify local risks of climate change (e.g., flooding, sea level rise, air quality, water supply, energy outages, vector control, extreme heat, increased social unrest). • Identify what the City can do in the short-term while long-term planning is underway. • Include strategies in the long-term plan to address further increases in global temperatures beyond 2040. • Conduct general engagement and education to develop the plan (e.g., city staff and the community). • Address existing and future equity issues through research and engagement with low to moderate-income community members who are likely to be most impacted and vulnerable to climate change. • Address mitigation and resiliency through capital improvement projects, city operations, and development projects. • Evaluate whether federal, state, and regional sea level rise districts and San Francisquito Creek agencies holistically address Menlo Park's local needs for climate adaptation/resiliency with a focus on equity. • Provide a roadmap for the City to follow over the next 10 years and/or beyond. • Revise policies and/or create programs to improve climate resilience.				
Action Number	MPK-13	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	34/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	4 to 5 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Drought, Flood, Sea Level Rise, Severe Weather, Wildfire				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	Medium				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	City of Menlo Park Sustainability Team				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	General Fund (Staff Time), HMGP, FMA		
Additional Details *(optional)*					

Mitigation Action	Participate with and support the San Mateo County Flood and Sea Level Rise Resiliency District on flood control projects located within the City to help reduce flooding.				
Action Number	MPK-14	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	29/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	Medium
Hazard(s) Mitigated	Flood, Sea Level Rise, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	OneShoreline				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Low	**Potential Funding Source**	General Fund (Staff Time)		
Additional Details *(optional)*					

Mitigation Action	Implement a lifecycle replacement and modernization program for emergency backup power at critical facilities to ensure continuous power and operational resilience, and to reduce service interruptions following emergencies and disasters.				
Action Number	MPK-15	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	29/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	Medium
Hazard(s) Mitigated	Earthquake, Flood, Severe Weather, Wildfire				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	Low				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	High	**Potential Funding Source**	General Fund (Staff Time), HMGP, FMA		
Additional Details *(optional)*					

Mitigation Action	Expand and promote incentive-based resilience programs that support eligible non-profits, businesses, and homeowners in reducing hazard risk through structural and nonstructural retrofits. Leverage and align with City of Menlo Park initiatives (e.g., energy efficiency and electrification rebates, sustainability incentives, and regional/state programs) to encourage seismic strengthening, floodproofing, wildfire hardening, and backup power solutions, with a focus on accessibility, equity, and high-risk areas.				
Action Number	MPK-16	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	28/40
Year Added to the Plan	2016	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	Medium
Hazard(s) Mitigated	Dam Failure, Earthquake, Flood, Severe Weather, Wildfire				
Project Status	Not Yet Started	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	Low				
Lead Agency / Organization	City of Menlo Park City Manager's Office				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Low	**Potential Funding Source**	General Fund (Staff Time), HMGP, FMA		
Additional Details *(optional)*					

Mitigation Action	Update and implement the City's Stormwater Master Plan to identify areas vulnerable to localized flooding, prioritize capital projects to mitigate flooding in those areas, and ensure long-term system performance.				
Action Number	MPK-17	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	22/40
Year Added to the Plan	2021	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	Medium
Hazard(s) Mitigated	Flood, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	General Plan (Staff Time), HMGP, FMA		
Additional Details *(optional)*					

Mitigation Action	Develop a shoreline management plan to protect the coastline from soil erosion and enhance the coastline with trails, parks, and a wildlife refuge.				
Action Number	MPK-18	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2021	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated	Flood, Sea Level Rise				
Project Status	No Longer Needed	If *No Longer Needed*, provide reason.	This mitigation action was combined with other actions that address climate adaptation and resilience, and shoreline management.		
Benefits *(Loss Avoided)*	n/a				
Lead Agency / Organization	n/a				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	n/a	**Potential Funding Source**	n/a		
Additional Details *(optional)*					

Mitigation Action	Update the City's 2014 Emergency Operation Plan and incorporate outreach and establish an annual report on the Local Hazard Mitigation Plan. The update may also include incorporating FEMA-recommended guidelines and Senate Bill 160 (Cultural Competence).				
Action Number	MPK-19	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	34/40
Year Added to the Plan	2021	**Timeline** *(estimated)*	1 to 2 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Dam Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	Medium				
Lead Agency / Organization	City of Menlo Park City Manager's Office (Emergency Services)				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	General Fund (Staff Time)		
Additional Details *(optional)*					

Mitigation Action	Enhance the City's technical expertise by certifying staff as Floodplain Managers through training opportunities, ensuring professional oversight and implementation of floodplain management standards.				
Action Number	MPK-20	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	29/40
Year Added to the Plan	2021	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	Medium
Hazard(s) Mitigated	Dam Failure, Flood, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	Medium				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Low	**Potential Funding Source**	General Fund (Staff Time)		
Additional Details *(optional)*					

Mitigation Action	Provide education to community members and City staff on the City's 2030 Climate Action Plan goals and present strategies to achieve them.				
Action Number	MPK-21	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	36/40
Year Added to the Plan	2021	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Sea Level Rise				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	Medium				
Lead Agency / Organization	City of Menlo Park City Manager's Office (Sustainability)				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Low	**Potential Funding Source**	General Fund (Staff Time)		
Additional Details *(optional)*					

Mitigation Action	Develop an emergency water storage and supply project that may include, but is not limited to, a new underground reservoir to provide emergency water to residents during emergencies.				
Action Number	MPK-22	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	31/40
Year Added to the Plan	2021	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Drought, Earthquake, Flood, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	General Fund (Staff Time), Water Fund		
Additional Details *(optional)*					

Mitigation Action	Replace the roof on Reservoir 2, which is deteriorating and at the end of its life expectancy. The replacement would ensure continued public health protection, system reliability, and functionality of the existing emergency water storage.				
Action Number	MPK-23	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	33/40
Year Added to the Plan	2021	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Drought, Earthquake, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	Water Fund		
Additional Details *(optional)*					

Mitigation Action	Plan, design, and implement the water infrastructure improvements recommended in the Water System Master Plan to upgrade the Menlo Park Municipal Water service area infrastructure to meet fire-flow demands.				
Action Number	MPK-24	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	35/40
Year Added to the Plan	2021	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Dam Failure, Flood, Severe Weather, Wildfire				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	Water Fund		
Additional Details *(optional)*					

Mitigation Action	Advance climate-resilient infrastructure and land use planning by integrating green infrastructure and hazard mitigation design into capital projects; upgrading utility systems, equipment, and critical facilities; incorporating FEMA 100-year tide, sea level rise projections, and climate-driven extreme storm data into shoreline development and planning decisions; and implementing water system interconnections to ensure redundant, emergency water supply.				
Action Number	MPK-25	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	36/40
Year Added to the Plan	2021	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Dam Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department, City of Menlo Park Community Development Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	General Fund (Staff Time), City Capital Improvement Program funds, Water Fund		
Additional Details *(optional)*					

Mitigation Action	Incorporate consideration of the FEMA 100-year tide and sea level rise data and climate change-driven extreme storms into land use planning and shoreline development. This includes new policies by local jurisdictions, and County and City actions regarding their General Plans, Climate-related Plans, and the development applications.				
Action Number	MPK-26	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2021	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated	Flood, Sea Level Rise				
Project Status	No Longer Needed	If *No Longer Needed*, provide reason.	This mitigation action was combined with mitigation action MPK-25.		
Benefits *(Loss Avoided)*	n/a				
Lead Agency / Organization	n/a				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	n/a	**Potential Funding Source**	n/a		
Additional Details *(optional)*					

Mitigation Action	Continue to identify and plan upgrades of utility systems, equipment, and critical facilities, including pump stations, generators, tide gates, stream gages, open channel, and culvert/pipeline infrastructure.				
Action Number	MPK-27	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2021	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated	Flood, Severe Weather				
Project Status	No Longer Needed	If *No Longer Needed*, provide reason.	This mitigation action was combined with mitigation action MPK-25.		
Benefits *(Loss Avoided)*	n/a				
Lead Agency / Organization	n/a				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	n/a	**Potential Funding Source**	n/a		
Additional Details *(optional)*					

Mitigation Action	Support green infrastructure projects that enhance resiliency to natural disasters and incorporate green design elements into hazard mitigation projects where feasible.				
Action Number	MPK-28	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2021	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated	Drought, Flood, Landslide, Sea Level Rise, Severe Weather				
Project Status	No Longer Needed	If *No Longer Needed*, provide reason.	This mitigation action was combined with mitigation action MPK-25.		
Benefits *(Loss Avoided)*	n/a				
Lead Agency / Organization	n/a				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	n/a	**Potential Funding Source**	n/a		
Additional Details *(optional)*					

Mitigation Action	Identify and pursue strategies to enhance recycled water infrastructure planning/implementation in the vicinity of San Mateo County Flood and Sea Level Rise Resiliency District projects.				
Action Number	MPK-29	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2021	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated	Drought				
Project Status	No Longer Needed	If *No Longer Needed*, provide reason.	This is not the City's responsibility.		
Benefits *(Loss Avoided)*	n/a				
Lead Agency / Organization	n/a				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	n/a	**Potential Funding Source**	n/a		
Additional Details *(optional)*					

Mitigation Action	Improve community response to flood emergencies by supporting upgrades and expansions to the Countywide Flood Early Warning System and by conducting community flood-preparation, education, and recovery outreach.				
Action Number	MPK-30	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	35/40
Year Added to the Plan	2021	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Flood, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	OneShoreline				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Low	**Potential Funding Source**	General Fund (Staff Time), HMGP, FMA		
Additional Details *(optional)*					

Mitigation Action	Develop Emergency Action Plans for Bayfront Canal and Atherton Channel.				
Action Number	MPK-31	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2021	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated	Flood, Sea Level Rise, Severe Weather				
Project Status	Completed	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	n/a				
Lead Agency / Organization	n/a				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	n/a	**Potential Funding Source**	n/a		
Additional Details *(optional)*					

Mitigation Action	Advance long-term resilience to sea level rise and extreme storms for the communities and critical assets along the San Francisco Bay shoreline south of Whipple Avenue to Marsh Road, and provide environmental, recreation, and community/connectivity enhancements where possible.				
Action Number	MPK-32	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2021	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated		Flood, Sea Level Rise, Severe Weather			
Project Status		No Longer Needed	If *No Longer Needed*, provide reason.	This is not the City's responsibility.	
Benefits *(Loss Avoided)*		n/a			
Lead Agency / Organization		n/a			
Supporting Agency / Organization *(If applicable)*		n/a			
Additional Participating Jurisdictions *(If Applicable)*		n/a			
Estimated Cost		n/a	**Potential Funding Source**	n/a	
Additional Details *(optional)*					

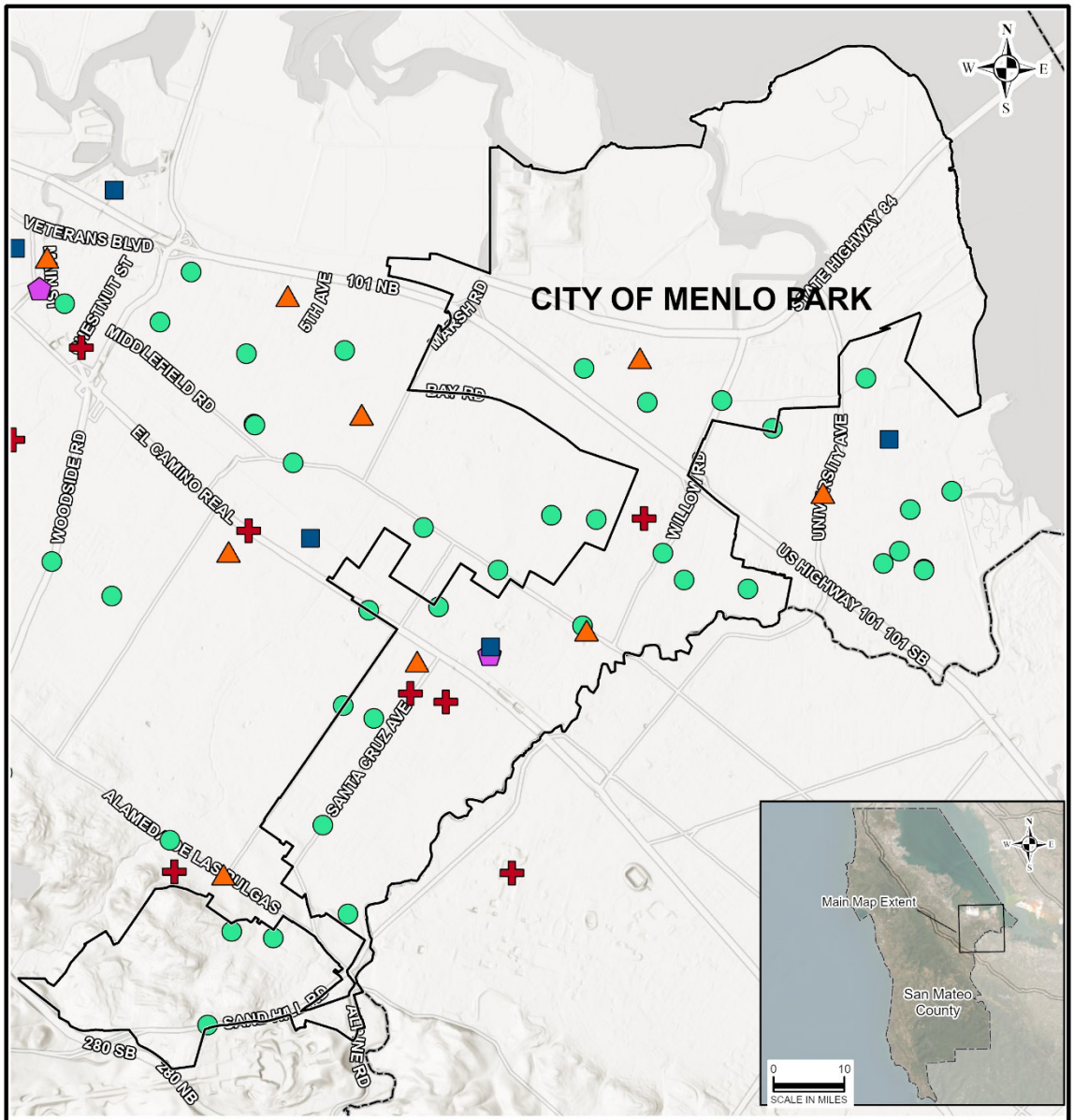
Mitigation Action	Complete construction and oversee ongoing operation, maintenance, and mitigation efforts for the Bayfront Canal and Atherton Channel Flood Protection and Ecosystem Restoration Project.				
Action Number	MPK-33	**Goal(s) Addressed**	n/a	**Prioritization Score**	n/a
Year Added to the Plan	2021	**Timeline** *(estimated)*	n/a	**Implementation Priority**	n/a
Hazard(s) Mitigated	Flood, Sea Level Rise, Severe Weather				
Project Status	No Longer Needed	If *No Longer Needed*, provide reason.	The responsibility for this project lies with OneShoreline.		
Benefits *(Loss Avoided)*	n/a				
Lead Agency / Organization	n/a				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	n/a	**Potential Funding Source**	n/a		
Additional Details *(optional)*					

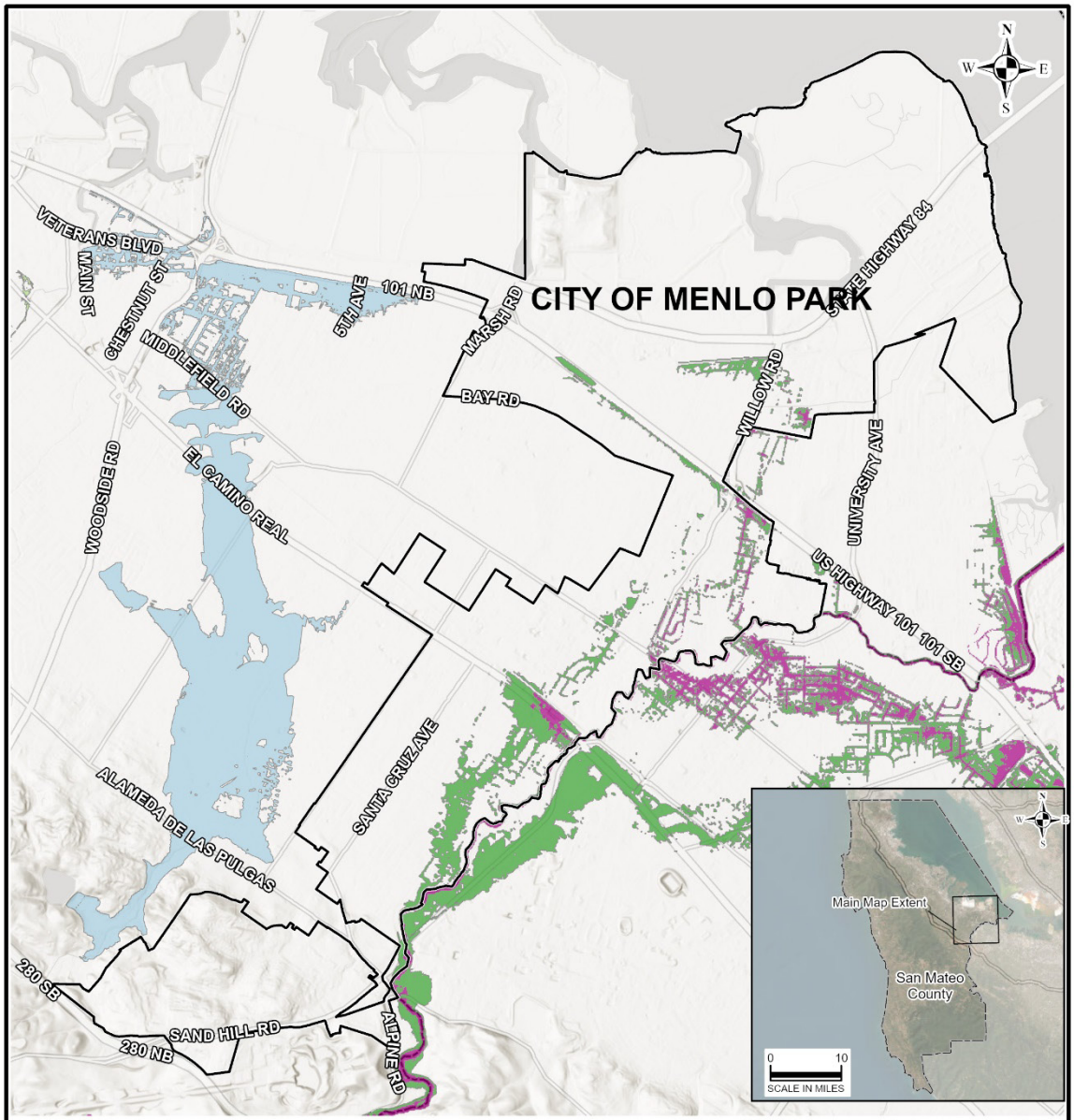
Mitigation Action	Advance long-term resilience to sea level rise and extreme storms for the communities and critical assets adjacent to the San Francisquito Creek and nearby areas of the shoreline with the cities of Menlo Park and East Palo Alto, as well as provide environmental, recreation, community/connectivity enhancements where possible.				
Action Number	MPK-34	**Goal(s) Addressed**	1, 2, 3, 4, 5	**Prioritization Score**	35/40
Year Added to the Plan	2021	**Timeline** *(estimated)*	1 to 5 Years	**Implementation Priority**	High
Hazard(s) Mitigated	Flood, Sea Level Rise, Severe Weather				
Project Status	In Progress	If *No Longer Needed*, provide reason.	n/a		
Benefits *(Loss Avoided)*	High				
Lead Agency / Organization	City of Menlo Park Public Works Department				
Supporting Agency / Organization *(If applicable)*	n/a				
Additional Participating Jurisdictions *(If Applicable)*	n/a				
Estimated Cost	Medium	**Potential Funding Source**	HMGP, FMA, City Capital Improvement Program funds		
Additional Details *(optional)*					

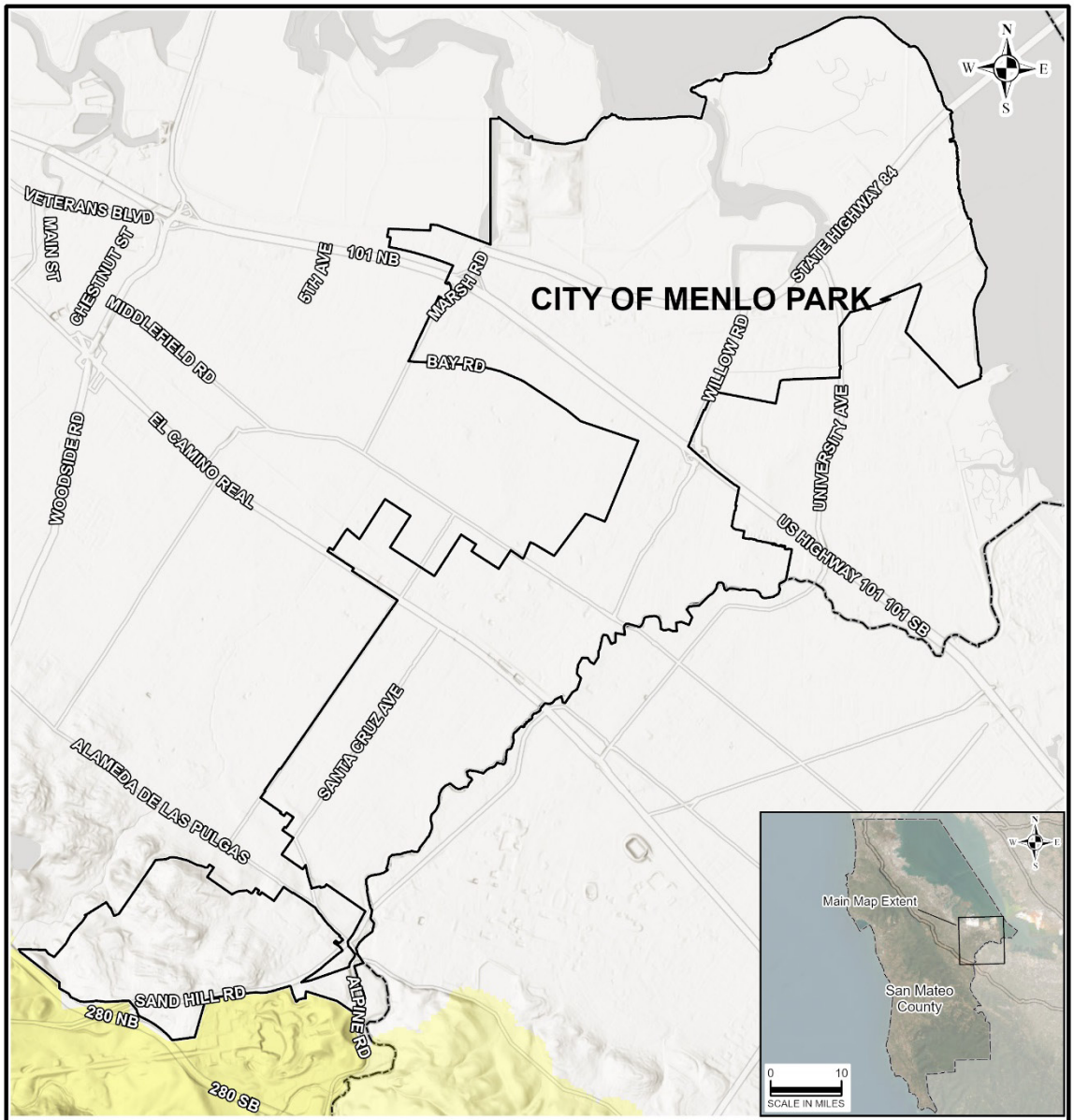
APPENDIX A. HAZARD MAPS

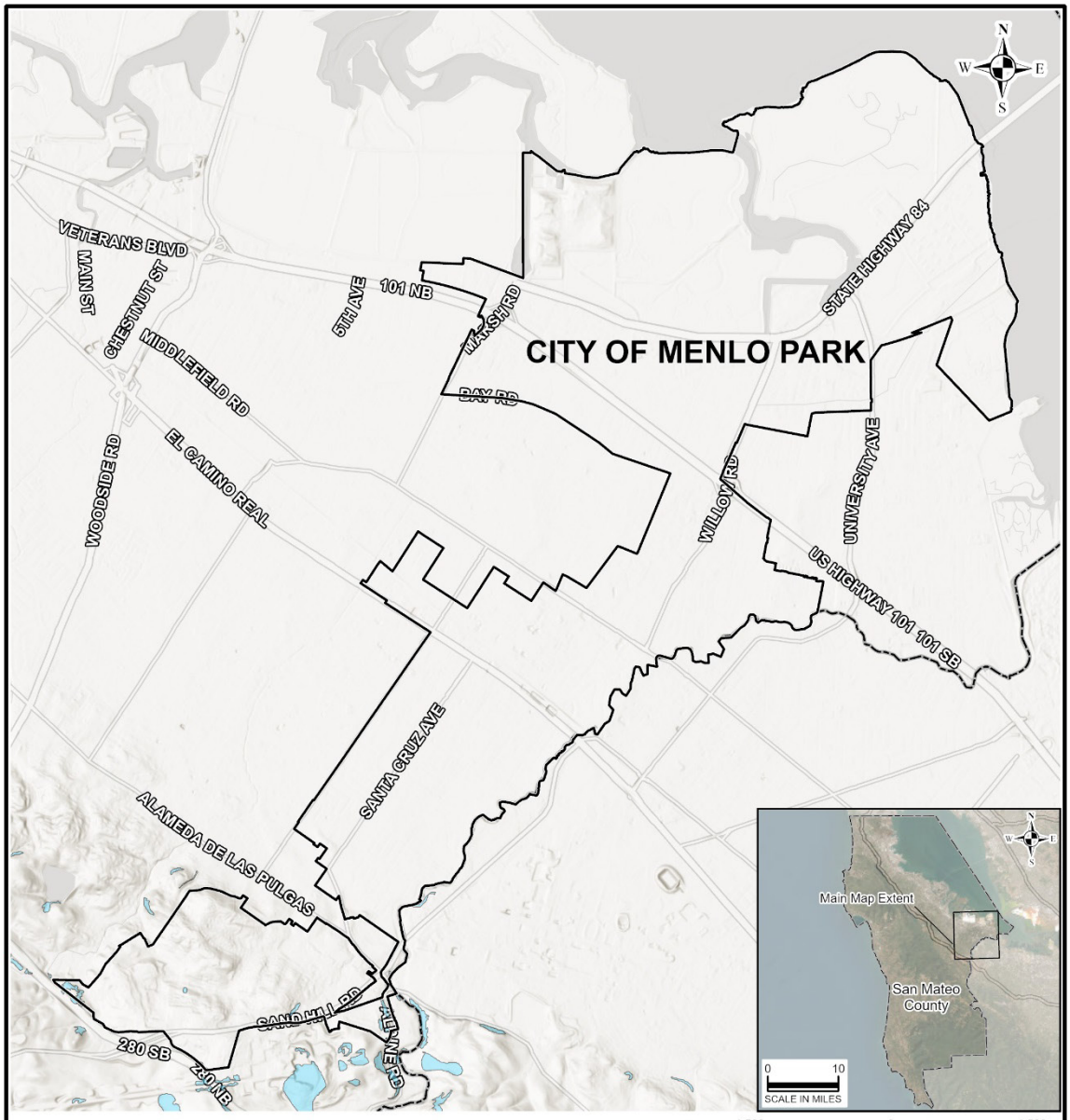
The maps are based on the best available data at the time of this Plan's preparation and are considered adequate for planning purposes. Maps were developed only for hazards that can be represented using available data and mapping technologies.

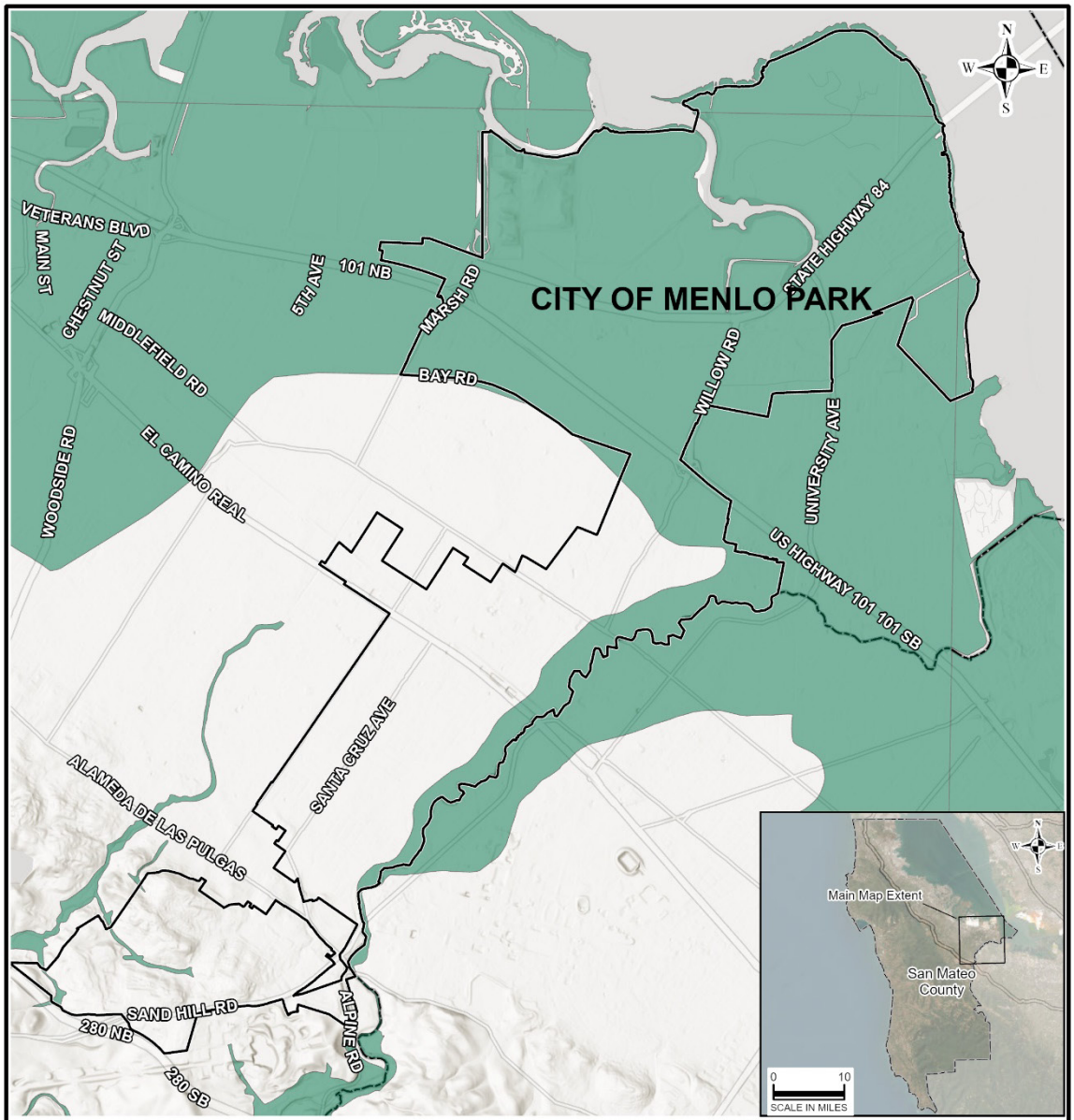
- **Map 1**: Critical Facilities Map
- **Map 2:** Dan Failure Inundation Area Map
- **Map 3**: Fire Hazard Classification Map (i.e., California Fire Hazard Severity Zones)
- **Map 4**: California Geological Survey Landslide Susceptibility Map
- **Map 5:** California Geological Survey Liquefaction Susceptibility Map
- **Map 6:** FEMA Special Flood Hazard Area (SFHA) Map
- **Map 7:** Sea Level Rise Hazard Map
- **Map 8:** Tsunami Hazard Map

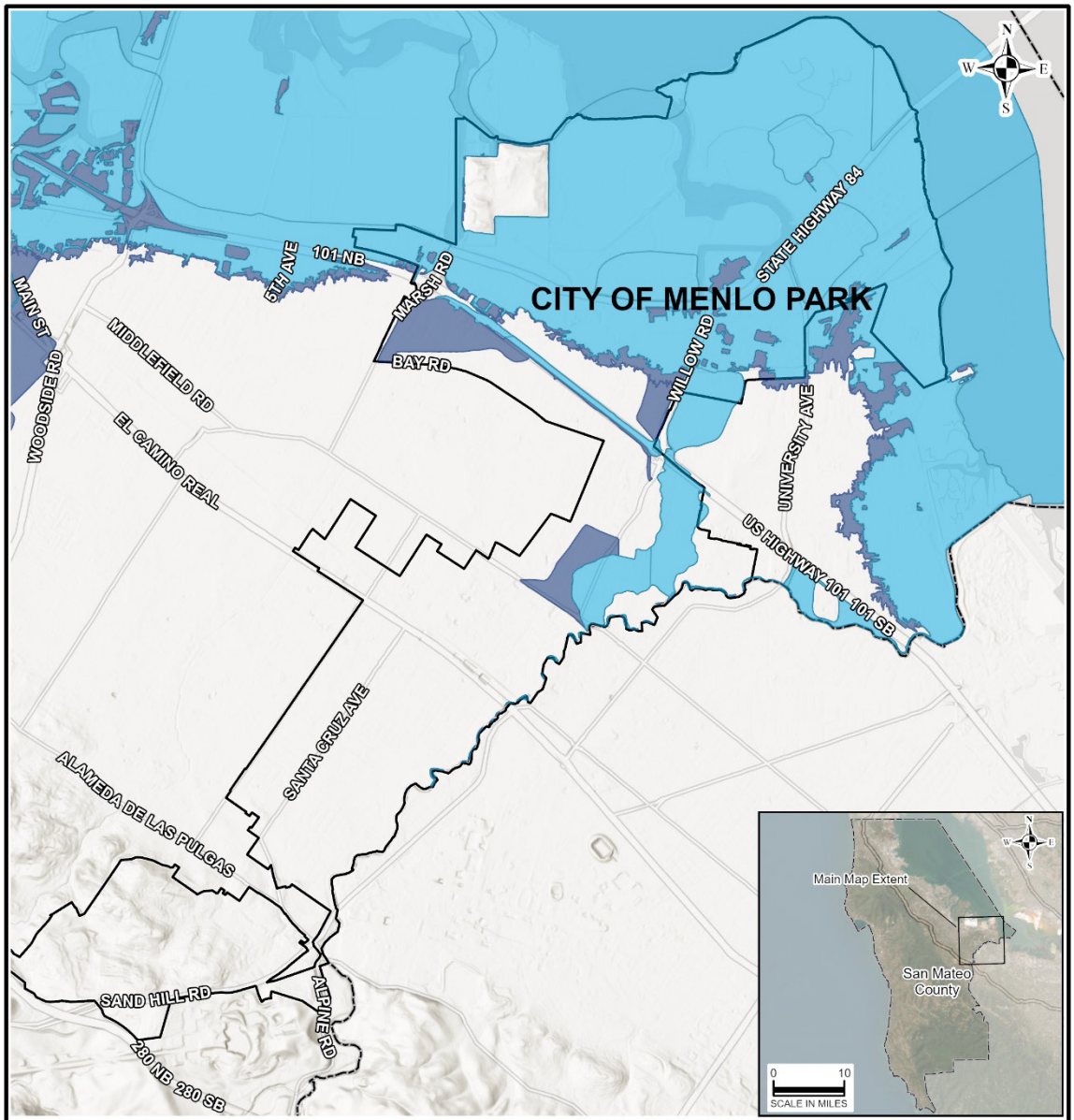

CITY OF MENLO PARK
VETERANS BLVD
CHESTNUT ST
MIDDLEFIELD RD
5TH AVE
101 NB
MARSH RD
BAY RD
BAYSHORE HIGHWAY 84
WILLOW RD
UNIVERSITY AVE
US HIGHWAY 101 101 SB
WOODSIDE RD
EL CAMINO REAL
SANTA CRUZ AVE
ALAMEDA DE LAS PULGAS
SAND HILL RD
ALPINE RD
280 SB
280 NB
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Main Map Extent
San Mateo County
0
10
SCALE IN MILES
4,500
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4,500
SCALE IN FEET
Legend
City of Menlo Park Boundary
San Mateo County Boundary
Education
Medical Health Facility
City/County Center
Police Station/Sheriff's Office
Fire Station
Notes:
1. Basemap is provided through Esri ArcGIS software licensing. Coordinate System: NAD83 StatePlane California Zone 3 (US ft).
2. Critical Facilities Data provided via Homeland Infrastructure Foundation-Level Data (HIFLD) and San Mateo County.
3. All features shown are approximate.
CITY OF MENLO PARK
SAN MATEO COUNTY, CALIFORNIA
CRITICAL FACILITIES MAP
Date
7/1/2026
Scale
1" = 4,500'
Drawn By
JH
Approved By
AC
Figure No.
1
Map prepared by Integrated Solutions Consulting under contract by San Mateo County, 2026


CITY OF MENLO PARK
VETERANS BLVD
MAIN ST
CHESTNUT ST
MIDDLEFIELD RD
WOODSIDE RD
EL CAMINO REAL
5TH AVE
101 NB
MARSH RD
BAY RD
WILLOW RD
STATE HIGHWAY 84
UNIVERSITY AVE
US HIGHWAY 101
101 SB
SANTA CRUZ AVE
ALAMEDA DE LAS PULGAS
280 SB
280 NB
SAND HILL RD
ALPINE RD
Main Map Extent
San Mateo County
0
10
SCALE IN MILES
4,500
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4,500
SCALE IN FEET
Legend
Bear Gulch Dam Failure Area
Emerald Lake Dam Failure Area
Felt Lake Dam Failure Area
Pomponio Beach Dam Failure Area
City of Menlo Park Boundary
San Mateo County Boundary
Notes:
1. Basemap is provided through Esri ArcGIS software licensing. Coordinate System: NAD83 StatePlane California Zone 3 (US ft).
2. Dam Failure Inundation Areas dataset from California Department of Water Resources (DWR), Division of Safety of Dams (DSOD) State Dam Breach Inundation Maps, compiled by San Mateo County GIS.
3. All features shown are approximate.
CITY OF MENLO PARK
SAN MATEO COUNTY, CALIFORNIA
DAM FAILURE INUNDATION AREAS MAP
Date 7/6/2026
Scale 1" = 4,500'
Drawn By JH
Approved By AC
Figure No. 2
Map prepared by Integrated Solutions Consulting under contract by San Mateo County, 2026


CITY OF MENLO PARK
VETERANS BLVD
MAIN ST
CHESTNUT ST
MIDDLEFIELD RD
WOODSIDE RD
EL CAMINO REAL
5TH AVE
101 NB
MARSH RD
BAY RD
STATE HIGHWAY 84
WILLOW RD
UNIVERSITY AVE
US HIGHWAY 101 101 SB
SANTA CRUZ AVE
ALAMEDA DE LAS PULGAS
SAND HILL RD
280 NB
ALPINE RD
280 SB
N
W
E
S
Main Map Extent
San Mateo County
0
10
SCALE IN MILES
4,500
0
4,500
SCALE IN FEET
Legend
Moderate Fire Hazard
High Fire Hazard
Very High Fire Hazard
City of Menlo Park Boundary
San Mateo County Boundary
Notes:
1. Basemap is provided through Esri ArcGIS software licensing. Coordinate System: NAD83 StatePlane California Zone 3 (US ft).
2. Fire Hazard Severity Zones provided by CAL FIRE / Office of the State Fire Marshal (OSFM), Fire Hazard Severity Zones (SRA/LRA) GIS Layer. Accessed via osfm.fire.ca.gov/fire-hazard-severity-zones
3. All features shown are approximate.
CITY OF MENLO PARK
SAN MATEO COUNTY, CALIFORNIA
FIRE HAZARD CLASSIFICATION MAP
Date 7/6/2026
Scale 1" = 4,500'
Drawn By JH
Approved By AC
Figure No. 3
Map prepared by Integrated Solutions Consulting under contract by San Mateo County, 2026


CITY OF MENLO PARK
VETERANS BLVD
MAIN ST
CHESTNUT ST
MIDDLEFIELD RD
5TH AVE
101 NB
MARSH RD
BAY RD
STATE HIGHWAY 84
WILLOW RD
UNIVERSITY AVE
US HIGHWAY 101 101 SB
EL CAMINO REAL
WOODSIDE RD
SANTA CRUZ AVE
ALAMEDA DE LAS PULGAS
SAND HILL RD
ALAMEDA
280 SB
280 NB
Main Map Extent
San Mateo County
0
10
SCALE IN MILES
4,500
0
4,500
SCALE IN FEET
Legend
Landslide Hazard Zone
City of Menlo Park Boundary
San Mateo County Boundary
Notes:
1. Basemap is provided through Esri ArcGIS software licensing. Coordinate System: NAD83 StatePlane California Zone 3 (US ft).
2. Landslide susceptibility data provided by California Geological Survey, Seismic Hazards Program.
3. All features shown are approximate.
CITY OF MENLO PARK
SAN MATEO COUNTY, CALIFORNIA
CGS LANDSLIDE SUSCEPTIBILITY MAP
Date
7/6/2026
Scale
1" = 4,500'
Drawn By
JH
Approved By
AC
Figure No.
4
Map prepared by Integrated Solutions Consulting under contract by San Mateo County, 2026


CITY OF MENLO PARK
VETERANS BLVD
MAIN ST
CHESTNUT ST
MIDDLEFIELD RD
WOODSIDE RD
EL CAMINO REAL
5TH AVE
101 NB
MARSH RD
BAY RD
WILLOW RD
STATE HIGHWAY 84
UNIVERSITY AVE
US HIGHWAY 101 101 SB
SANTA CRUZ AVE
ALAMEDA DE LAS PULGAS
SAND HILL RD
280 NB
280 SB
ALPINE RD
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Main Map Extent
San Mateo County
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10
SCALE IN MILES
4,500
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4,500
SCALE IN FEET
Legend
Liquefaction Hazard Zone
City of Menlo Park Boundary
San Mateo County Boundary
Notes:
1. Basemap is provided through Esri ArcGIS software licensing. Coordinate System: NAD83 StatePlane California Zone 3 (US ft).
2. Liquefaction susceptibility data provided by California Geological Survey, Seismic Hazards Program.
3. All features shown are approximate.
CITY OF MENLO PARK
SAN MATEO COUNTY, CALIFORNIA
CGS LIQUEFACTION SUSCEPTIBILITY MAP
Date
7/6/2026
Scale
1" = 4,500'
Drawn By
JH
Approved By
AC
Figure No.
5
Map prepared by Integrated Solutions Consulting under contract by San Mateo County, 2026



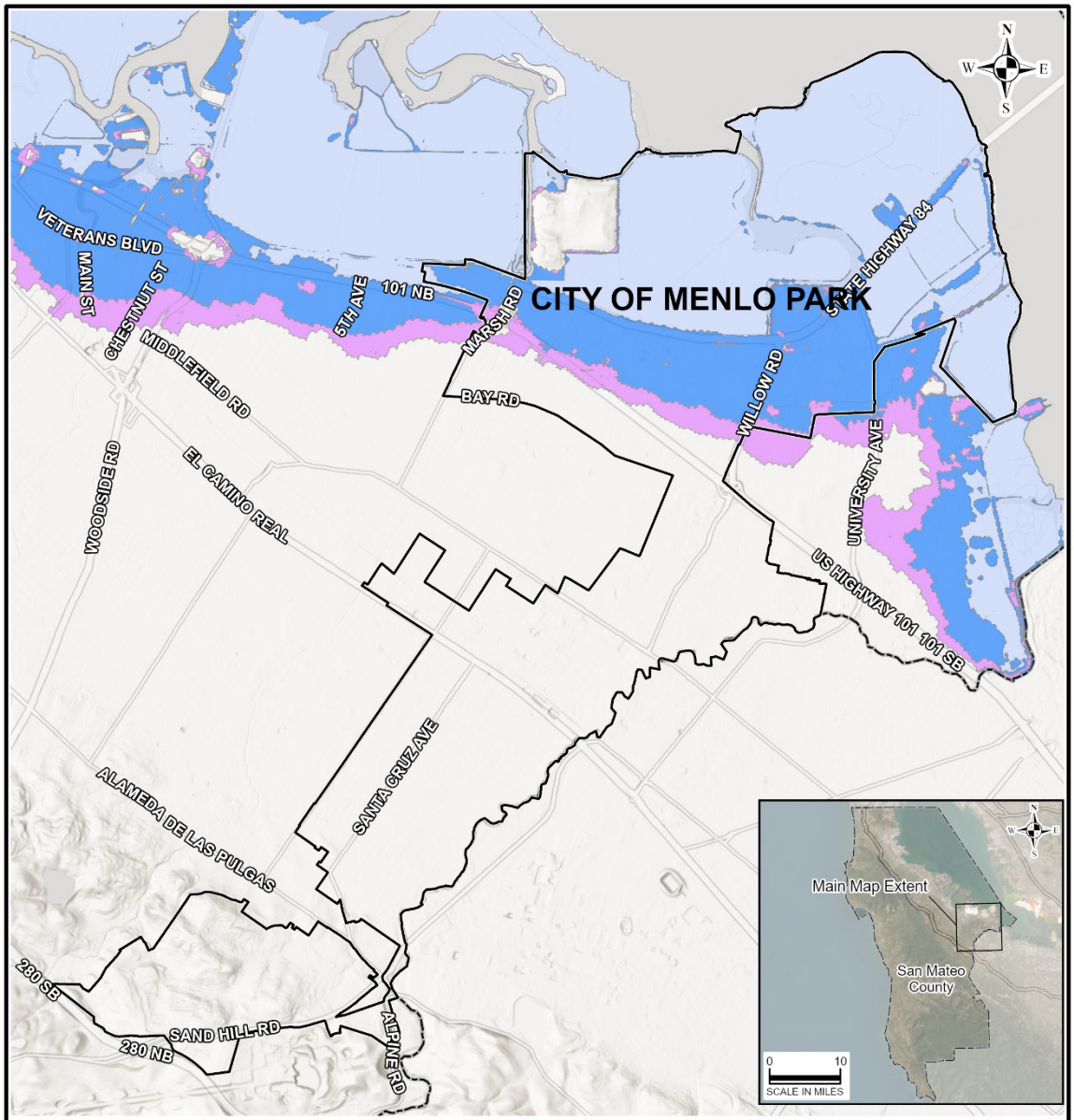
Legend

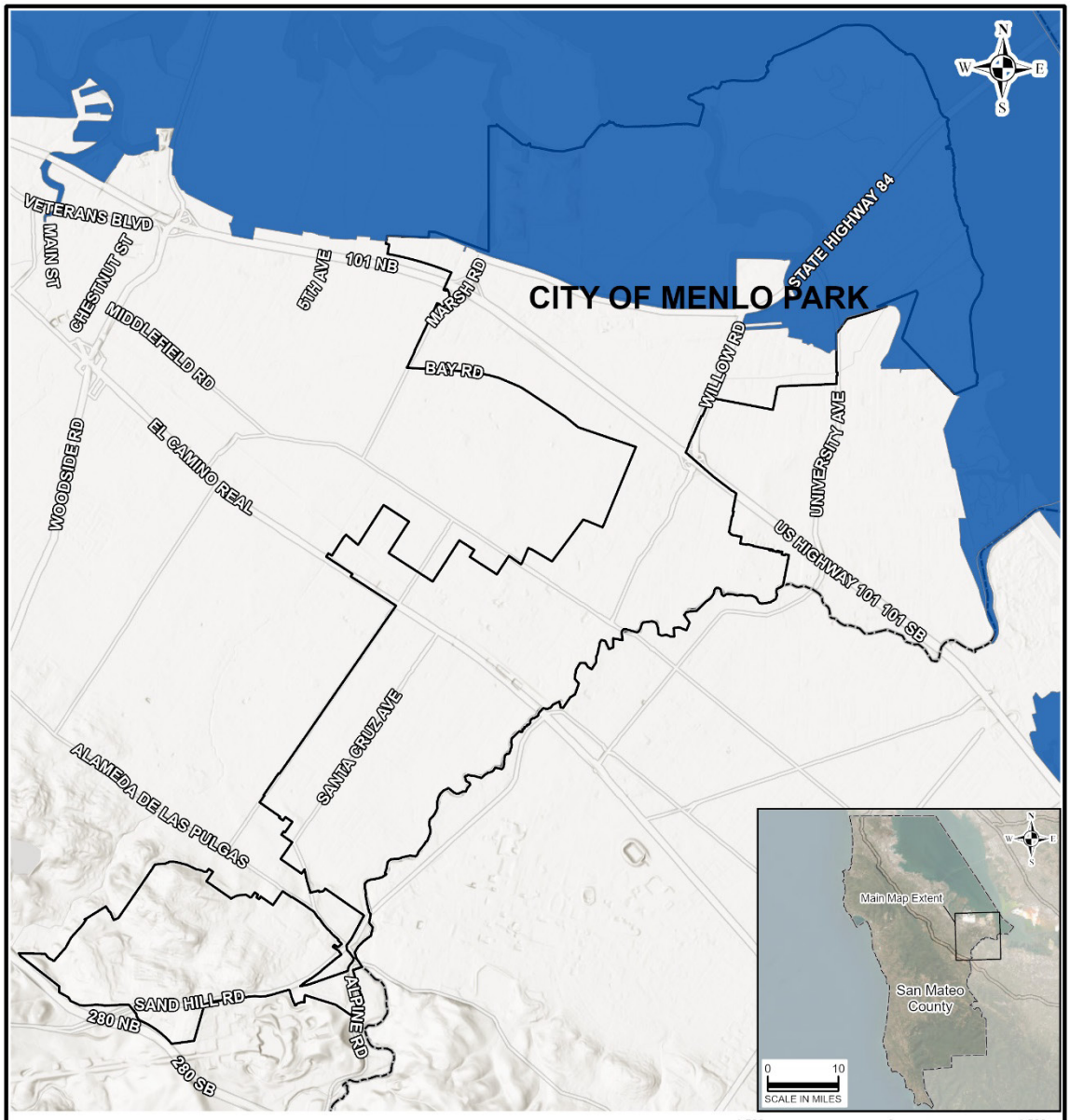
- City of Menlo Park Boundary
- San Mateo County Boundary
- FEMA 100-Year Flood Zone (1% Annual Chance)
- FEMA 500-Year Flood Zone (0.2% Annual Chance)

Notes:
1. Basemap is provided through Esri ArcGIS software licensing. Coordinate System: NAD83 StatePlane California Zone 3 (US ft).
2. Special Flood Hazard Area data from FEMA National Flood Hazard Layer (NFHL).
3. All features shown are approximate.

CITY OF MENLO PARK SAN MATEO COUNTY, CALIFORNIA	**FEMA SPECIAL FLOOD HAZARD AREA MAP**	Date: 7/6/2026 Scale: 1" = 4,500' Drawn By: JH Approved By: AC	Figure No. **6**

Map prepared by Integrated Solutions Consulting under contract by San Mateo County, 2026


CITY OF MENLO PARK
VETERANS BLVD
MAIN ST
CHESTNUT ST
MIDDLEFIELD RD
5TH AVE
101 NB
MARSH RD
BAY RD
WILLOW RD
STATE HIGHWAY 84
UNIVERSITY AVE
US HIGHWAY 101 101 SB
WOODSIDE RD
EL CAMINO REAL
SANTA CRUZ AVE
ALAMEDA DE LAS PULGAS
280 SB
280 NB
SAND HILL RD
ALPINE RD
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S
Main Map Extent
San Mateo County
0
10
SCALE IN MILES
Legend
City of Menlo Park Boundary
San Mateo County Boundary
Baseline Sea Level Rise Scenario
Mid-Level Sea Level Rise Scenario
High-Level Sea Level Rise Scenario
4,500
0
4,500
SCALE IN FEET
Notes:
1. Basemap is provided through Esri ArcGIS software licensing. Coordinate System: NAD83 StatePlane California Zone 3 (US ft).
2. Sea Level Rise Hazard data provided by San Mateo County GIS, Sea Level Rise Study.
3. All features shown are approximate.
CITY OF MENLO PARK
SAN MATEO COUNTY, CALIFORNIA
SEA LEVEL RISE HAZARD MAP
Date
7/6/2026
Scale
1" = 4,500'
Drawn By
JH
Approved By
AC
Figure No.
7
Map prepared by Integrated Solutions Consulting under contract by San Mateo County, 2026



Legend

- City of Menlo Park Boundary
- San Mateo County Boundary
- Tsunami Hazard Zone

Notes:
1. Basemap is provided through Esri ArcGIS software licensing. Coordinate System: NAD83 StatePlane California Zone 3 (US ft).
2. Tsunami Hazard Zone data provided by California Geological Survey, Tsunami Hazard Mapping Program.
3. All features shown are approximate.

CITY OF MENLO PARK SAN MATEO COUNTY, CALIFORNIA	**TSUNAMI HAZARD MAP**	Date: 7/6/2026 Scale: 1" = 4,500' Drawn By: JH Approved By: AC	Figure No. **8**

Map prepared by Integrated Solutions Consulting under contract by San Mateo County, 2026

APPENDIX B. STAKEHOLDER AND PUBLIC ENGAGEMENT

The mitigation planning process promotes awareness of hazard risks and continues the conversation about the community's safety and resilience. A hazard mitigation plan generates additional community support when it accurately reflects the community's values and priorities, thereby contributing to the successful implementation of the mitigation actions and projects identified in this Plan.

Federal regulations require that stakeholders and the public be provided opportunities to participate in the development and update of the LHMP. Public input strengthens the Plan's content and outcomes and supports continued engagement throughout the Plan's lifecycle.

San Mateo County and the 2026 LHMP plan participants worked collaboratively to ensure that stakeholder and public engagement was meaningful, inclusive, and productive. Engagement occurred throughout the planning process, including outreach conducted prior to and during the formal public comment period.

As part of the countywide engagement effort, San Mateo County conducted the 2026 Community Resilience Survey to gather input from residents across all participating jurisdictions. The survey collected information on disaster preparedness, hazard risk perceptions, and community resilience, and helped inform hazard prioritization and ensure the LHMP reflects community concerns and priorities. The survey was available in English and Spanish. Refer to **Volume 1** for further information and supporting documentation of the public survey.

At the countywide level, San Mateo County implemented a coordinated engagement strategy that included online input tools, public outreach materials, and participation opportunities designed to encourage broad and inclusive involvement. These efforts were supported by a standardized outreach approach to promote consistent messaging across the planning area.

At the local level, plan participants supplemented County-led efforts with outreach activities tailored to local needs, demographics, and underserved populations. These combined efforts provided multiple opportunities for stakeholders and community members to learn about the Plan, share input, and help shape mitigation strategies.

Input gathered through these engagement activities helped inform the planning process, validate risk assessment findings, and support the development of mitigation actions included in this Plan. Refer to **Volume 1** for further details on countywide stakeholder and public engagement efforts.

B.1. Engagement Activities

Stakeholder and public engagement activities were conducted throughout the LHMP planning process, including outreach efforts prior to and during the formal public comment period. These efforts provided multiple opportunities for stakeholders and community members to learn about the Plan, share input, and help shape mitigation strategies.

Engagement activities included a combination of countywide outreach initiatives and jurisdiction-specific efforts. San Mateo County supported engagement through coordinated outreach tools and resources, while each participating jurisdiction conducted or supported additional outreach tailored to local needs and community characteristics, including underserved and at-risk populations.

Outreach methods included a mix of in-person engagement, virtual meetings, digital communications, printed materials, and opportunities to review and comment on draft Plan materials. These efforts were designed to increase awareness of the LHMP update, encourage participation, and ensure broad and inclusive engagement across the community.

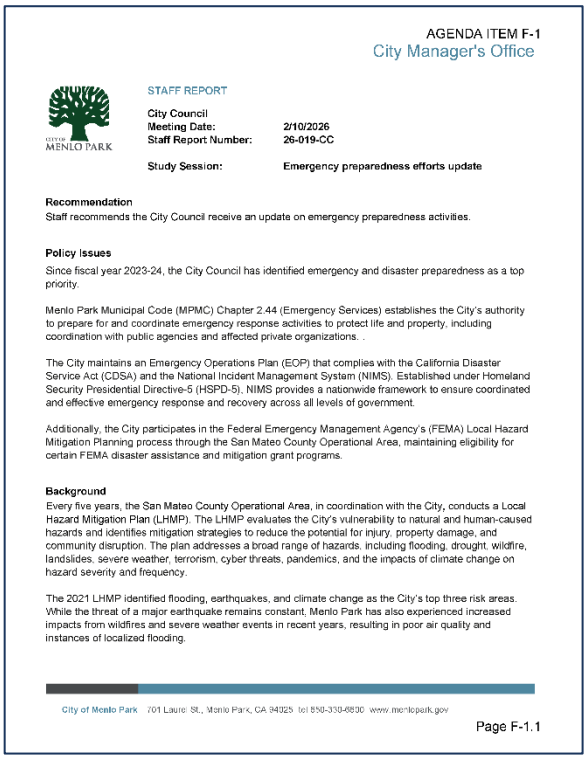
The countywide public comment period for the LHMP occurred from May 15, 2026, through June 15, 2026, during which stakeholders and community members were provided with opportunities to review and comment on the draft LHMP.

The following documentation summarizes stakeholder and public engagement activities conducted in support of the LHMP update.

February 2026	
Date	**Tuesday, February 10, 2026**
Event Name	City Council Meeting
Location	City Council Chambers 751 Laurel Street, Menlo Park, CA 94025
Outreach Method	Public Meeting
Outreach Purpose	Inform, Involve
Targeted Population	Presentation to Governing Bodies
Accommodations Provided	Spanish Translation, Virtual, Video

February 10, 2026 – City Council Meeting

The City of Menlo Park's City Council meeting was held in person with a virtual attendance option at 6:00 PM on a weekday. The February 10th City Council meeting included a presentation by the City's Emergency Preparedness Coordinator on the City's emergency and disaster preparedness, including information on the 2026 LHMP and the City's Annex update. All City Council meetings are open to the public and available for later viewing on video. Agendas and meeting minutes are available at: www.menlopark.gov/Agendas-and-minutes (under the City Council section).



AGENDA ITEM F-1
City Manager's Office

STAFF REPORT

City Council
Meeting Date: 2/10/2026
Staff Report Number: 26-019-CC

Study Session: Emergency preparedness efforts update

Recommendation
Staff recommends the City Council receive an update on emergency preparedness activities.

Policy Issues
Since fiscal year 2023-24, the City Council has identified emergency and disaster preparedness as a top priority.

Menlo Park Municipal Code (MPMC) Chapter 2.44 (Emergency Services) establishes the City's authority to prepare for and coordinate emergency response activities to protect life and property, including coordination with public agencies and affected private organizations. .

The City maintains an Emergency Operations Plan (EOP) that complies with the California Disaster Service Act (CDSA) and the National Incident Management System (NIMS). Established under Homeland Security Presidential Directive-5 (HSPD-5), NIMS provides a nationwide framework to ensure coordinated and effective emergency response and recovery across all levels of government.

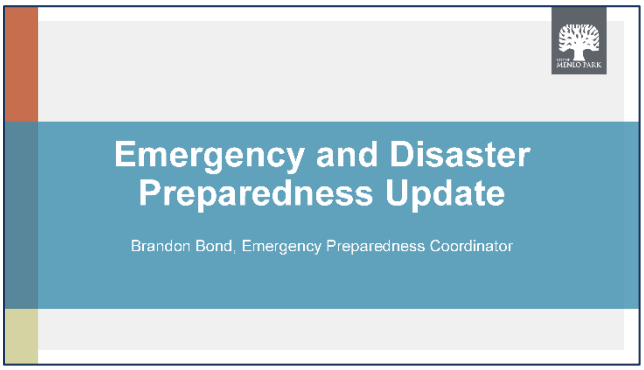
Additionally, the City participates in the Federal Emergency Management Agency's (FEMA) Local Hazard Mitigation Planning process through the San Mateo County Operational Area, maintaining eligibility for certain FEMA disaster assistance and mitigation grant programs.

Background
Every five years, the San Mateo County Operational Area, in coordination with the City, conducts a Local Hazard Mitigation Plan (LHMP). The LHMP evaluates the City's vulnerability to natural and human-caused hazards and identifies mitigation strategies to reduce the potential for injury, property damage, and community disruption. The plan addresses a broad range of hazards, including flooding, drought, wildfire, landslides, severe weather, terrorism, cyber threats, pandemics, and the impacts of climate change on hazard severity and frequency.

The 2021 LHMP identified flooding, earthquakes, and climate change as the City's top three risk areas. While the threat of a major earthquake remains constant, Menlo Park has also experienced increased impacts from wildfires and severe weather events in recent years, resulting in poor air quality and instances of localized flooding.

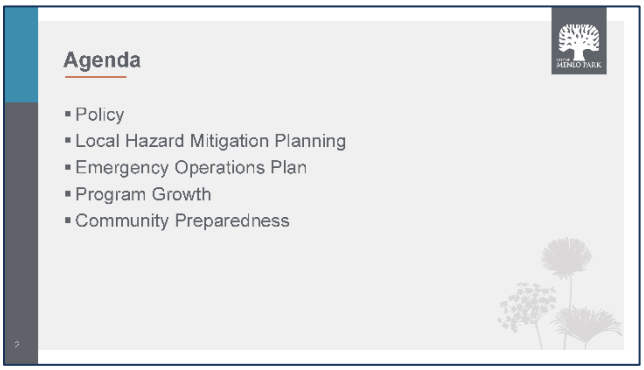
City of Menlo Park 701 Laurel St., Menlo Park, CA 94025 tel 650-330-6630 www.menlopark.gov

Page F-1.1



Emergency and Disaster Preparedness Update

Brandon Bond, Emergency Preparedness Coordinator



Agenda

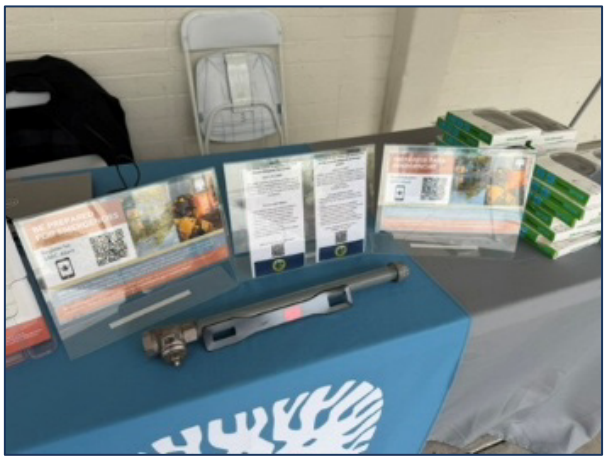
- Policy
- Local Hazard Mitigation Planning
- Emergency Operations Plan
- Program Growth
- Community Preparedness

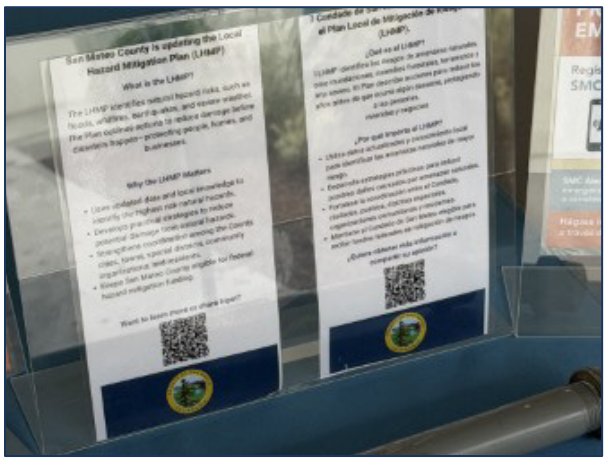
April 2026	
Date	**Saturday, April 25, 2026**
Event Name	Love Our Earth Festival
Location	Cesar Chavez Ravenswood Middle School 2450 Ralmar Avenue, East Palo Alto, CA 94303
Outreach Method	Community Event
Outreach Purpose	Inform
Targeted Population	General Public
Accommodations Provided	Weekend, Spanish

April 25, 2026 – Love Our Earth Festival

The City of Menlo Park celebrated Earth Day at the Cesar Chavez Ravenswood Middle School in East Palo Alto on Saturday, April 25th. The event was organized in partnership with the City of East Palo Alto. At the event, Menlo Park staff engaged with community members about the 2026 LHMP and the City's Annex update and encouraged residents to provide feedback. Staff used San Mateo County's pre-public comment flyer (**Figure B-1**), which included a QR code linking to additional information. The event was held over the weekend, allowing greater flexibility for community members.







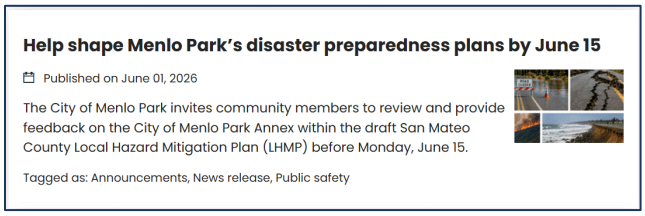
City Website

Information about the 2026 LHMP and the City's Annex was posted in the News and Emergency & Disaster Preparedness sections of the City's website, including announcements inviting public comment. The website served as a central hub for residents, stakeholders, and partners within the City to review the Plan and provide feedback, thereby encouraging public participation.



San Mateo County 2026 Local Hazard Mitigation Plan Update

In 2026, San Mateo County is updating its Local Hazard Mitigation Plan (LHMP) — a critical roadmap that identifies natural disaster risks and outlines strategies to reduce damage before emergencies happen. The LHMP is a federally required plan that helps communities prepare for hazards such as floods, wildfires, earthquakes and severe weather.

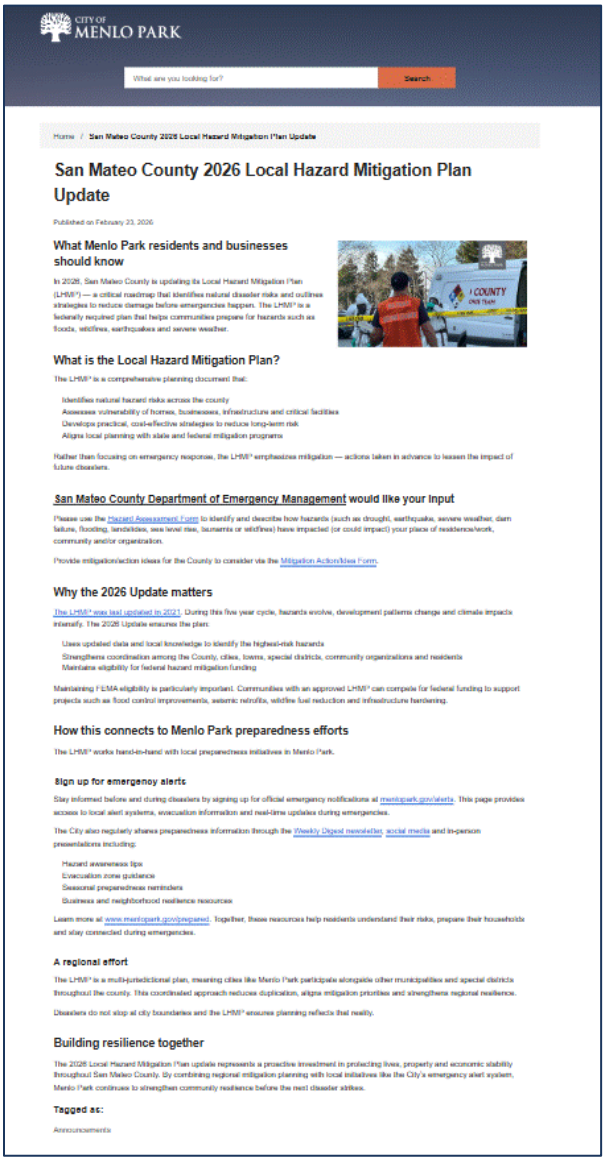


Help shape Menlo Park's disaster preparedness plans by June 15

Published on June 01, 2026

The City of Menlo Park invites community members to review and provide feedback on the City of Menlo Park Annex within the draft San Mateo County Local Hazard Mitigation Plan (LHMP) before Monday, June 15.

Tagged as: Announcements, News release, Public safety



CITY OF MENLO PARK

What are you looking for? Search

Home / San Mateo County 2026 Local Hazard Mitigation Plan Update

San Mateo County 2026 Local Hazard Mitigation Plan Update

Published on February 23, 2026

What Menlo Park residents and businesses should know

In 2026, San Mateo County is updating its Local Hazard Mitigation Plan (LHMP) — a critical roadmap that identifies natural disaster risks and outlines strategies to reduce damage before emergencies happen. The LHMP is a federally required plan that helps communities prepare for hazards such as floods, wildfires, earthquakes and severe weather.

What is the Local Hazard Mitigation Plan?

The LHMP is a comprehensive planning document that:

- Identifies natural hazard risks across the county
- Assesses vulnerability of homes, businesses, infrastructure and critical facilities
- Develops practical, cost-effective strategies to reduce long-term risk
- Aligns local planning with state and federal mitigation programs

Rather than focusing on emergency response, the LHMP emphasizes mitigation — actions taken in advance to lessen the impact of future disasters.

San Mateo County Department of Emergency Management would like your input

Please use the Hazard Assessment Form to identify and describe how hazards (such as drought, earthquake, severe weather, dam failure, flooding, landslides, sea level rise, tsunamis or wildfires) have impacted (or could impact) your place of residence/work, community and/or organization.

Provide mitigation/action ideas for the County to consider via the Mitigation Actions/Ideas Form.

Why the 2026 Update matters

The LHMP was last updated in 2021. During this five year cycle, hazards evolve, development patterns change and climate impacts intensify. The 2026 Update ensures the plan:

- Uses updated data and local knowledge to identify the highest-risk hazards
- Strengthens coordination among the County, cities, towns, special districts, community organizations and residents
- Maintains eligibility for federal hazard mitigation funding

Maintaining FEMA eligibility is particularly important. Communities with an approved LHMP can compete for federal funding to support projects such as flood control improvements, seismic retrofits, wildfire fuel reduction and infrastructure hardening.

How this connects to Menlo Park preparedness efforts

The LHMP works hand-in-hand with local preparedness initiatives in Menlo Park.

Sign up for emergency alerts

Stay informed before and during disasters by signing up for official emergency notifications at menlopark.gov/alerts. This page provides access to local alert systems, evacuation information and real-time updates during emergencies.

The City also regularly shares preparedness information through the Weekly Digest newsletter, social media and in-person presentations including:

- Hazard awareness tips
- Evacuation zone guidance
- Seasonal preparedness reminders
- Business and neighborhood resilience resources

Learn more at www.menlopark.gov/prepared. Together, these resources help residents understand their risks, prepare their households and stay connected during emergencies.

A regional effort

The LHMP is a multi-jurisdictional plan, meaning cities like Menlo Park participate alongside other municipalities and special districts throughout the county. This coordinated approach reduces duplication, aligns mitigation priorities and strengthens regional resilience.

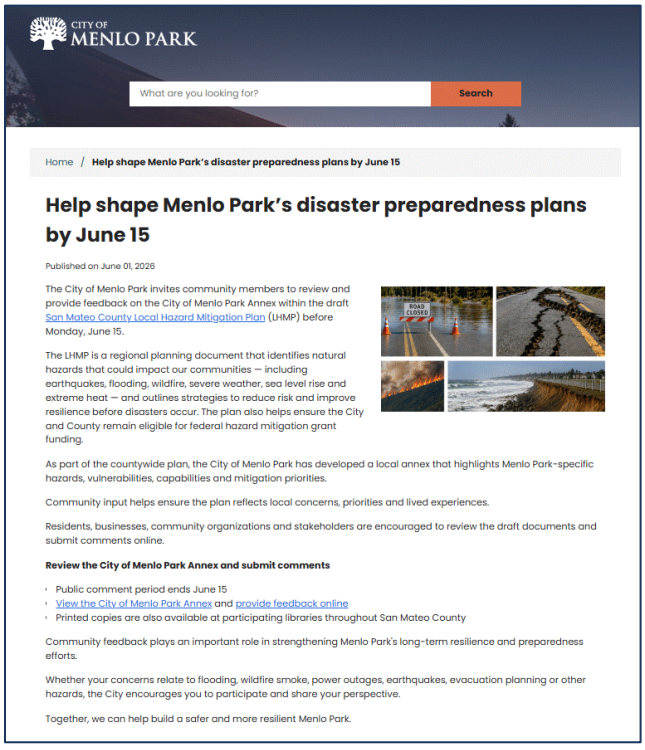
Disasters do not stop at city boundaries and the LHMP ensures planning reflects that reality.

Building resilience together

The 2026 Local Hazard Mitigation Plan update represents a proactive investment in protecting lives, property and economic stability throughout San Mateo County. By combining regional mitigation planning with local initiatives like the City's emergency alert system, Menlo Park continues to strengthen community resilience before the next disaster strikes.

Tagged as:

Announcements



CITY OF MENLO PARK

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Help shape Menlo Park's disaster preparedness plans by June 15

Published on June 01, 2026

The City of Menlo Park invites community members to review and provide feedback on the City of Menlo Park Annex within the draft San Mateo County Local Hazard Mitigation Plan (LHMP) before Monday, June 15.

The LHMP is a regional planning document that identifies natural hazards that could impact our communities — including earthquakes, flooding, wildfire, severe weather, sea level rise and extreme heat — and outlines strategies to reduce risk and improve resilience before disasters occur. The plan also helps ensure the City and County remain eligible for federal hazard mitigation grant funding.

As part of the countywide plan, the City of Menlo Park has developed a local annex that highlights Menlo Park-specific hazards, vulnerabilities, capabilities and mitigation priorities.

Community input helps ensure the plan reflects local concerns, priorities and lived experiences.

Residents, businesses, community organizations and stakeholders are encouraged to review the draft documents and submit comments online.

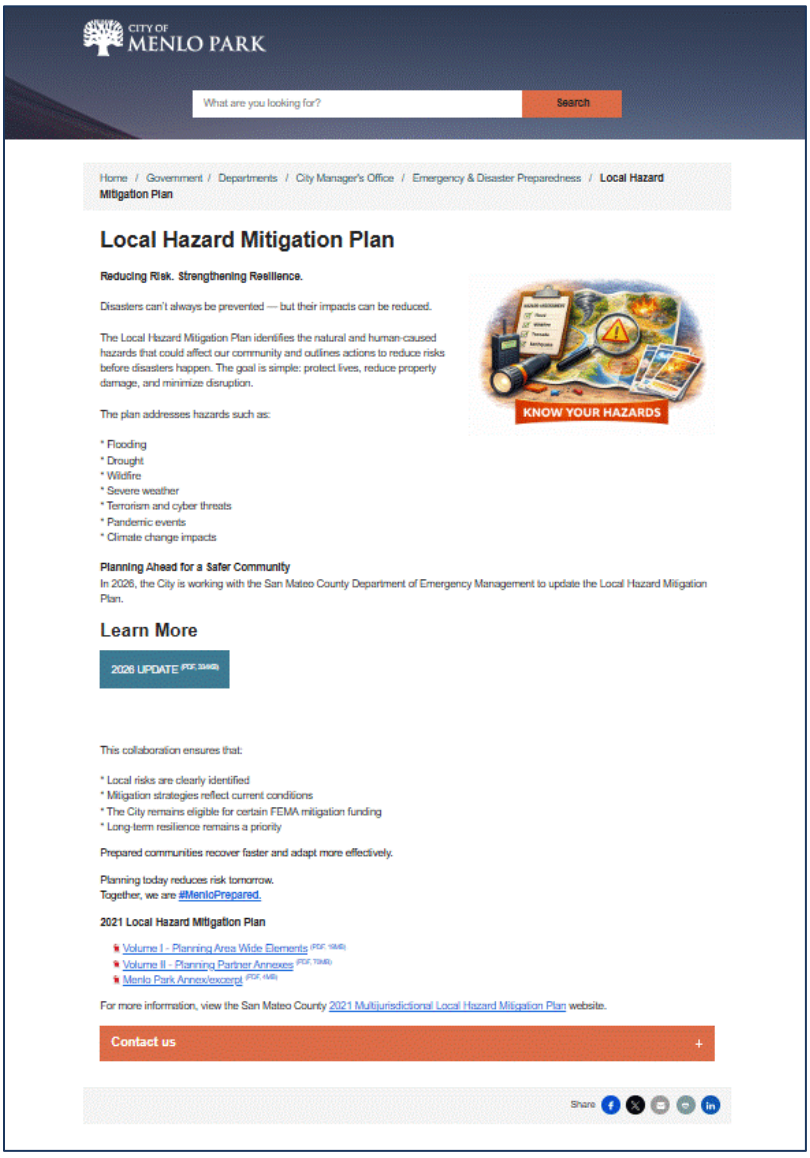
Review the City of Menlo Park Annex and submit comments

- Public comment period ends June 15
- View the City of Menlo Park Annex and provide feedback online
- Printed copies are also available at participating libraries throughout San Mateo County

Community feedback plays an important role in strengthening Menlo Park's long-term resilience and preparedness efforts.

Whether your concerns relate to flooding, wildfire smoke, power outages, earthquakes, evacuation planning or other hazards, the City encourages you to participate and share your perspective.

Together, we can help build a safer and more resilient Menlo Park.



CITY OF MENLO PARK

What are you looking for? Search

Home / Government / Departments / City Manager's Office / Emergency & Disaster Preparedness / **Local Hazard Mitigation Plan**

Local Hazard Mitigation Plan

Reducing Risk. Strengthening Resilience.

Disasters can't always be prevented — but their impacts can be reduced.

The Local Hazard Mitigation Plan identifies the natural and human-caused hazards that could affect our community and outlines actions to reduce risks before disasters happen. The goal is simple: protect lives, reduce property damage, and minimize disruption.

The plan addresses hazards such as:

* Flooding
* Drought
* Wildfire
* Severe weather
* Terrorism and cyber threats
* Pandemic events
* Climate change impacts

Planning Ahead for a Safer Community
In 2026, the City is working with the San Mateo County Department of Emergency Management to update the Local Hazard Mitigation Plan.

Learn More

2026 UPDATE (PDF, 324KB)

This collaboration ensures that:

* Local risks are clearly identified
* Mitigation strategies reflect current conditions
* The City remains eligible for certain FEMA mitigation funding
* Long-term resilience remains a priority

Prepared communities recover faster and adapt more effectively.

Planning today reduces risk tomorrow.
Together, we are #MenloPrepared.

2021 Local Hazard Mitigation Plan

- Volume I - Planning Area Wide Elements (PDF, 10MB)
- Volume II - Planning Partner Annexes (PDF, 70MB)
- Menlo Park Annex/excerpt (PDF, 4MB)

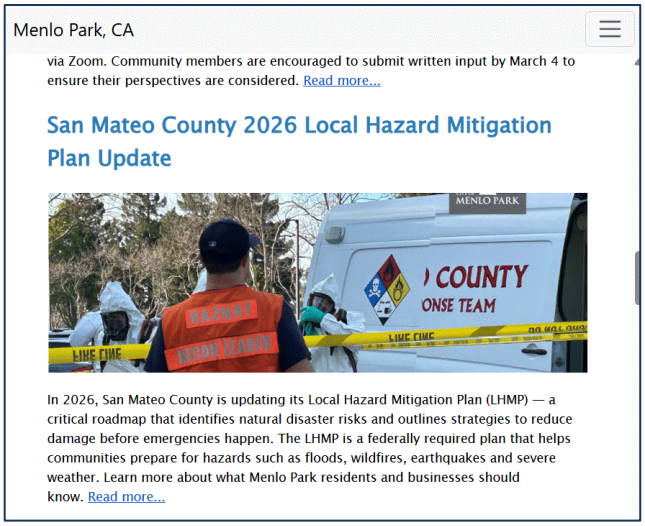
For more information, view the San Mateo County 2021 Multijurisdictional Local Hazard Mitigation Plan website.

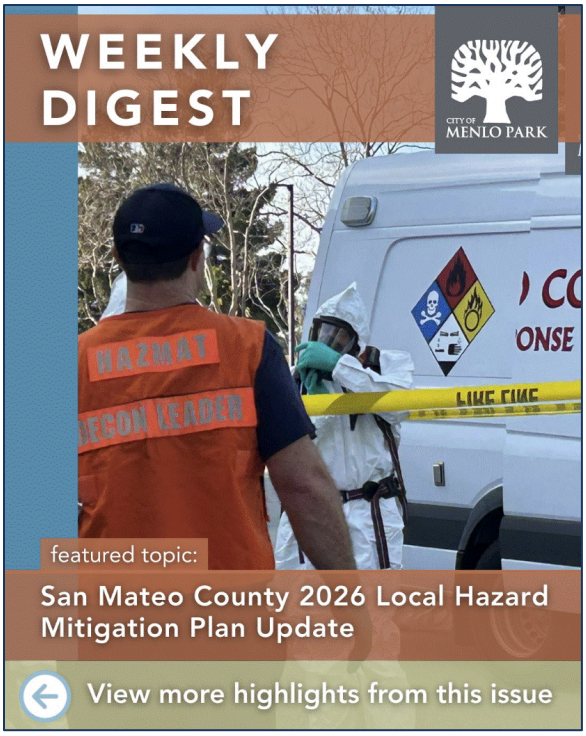
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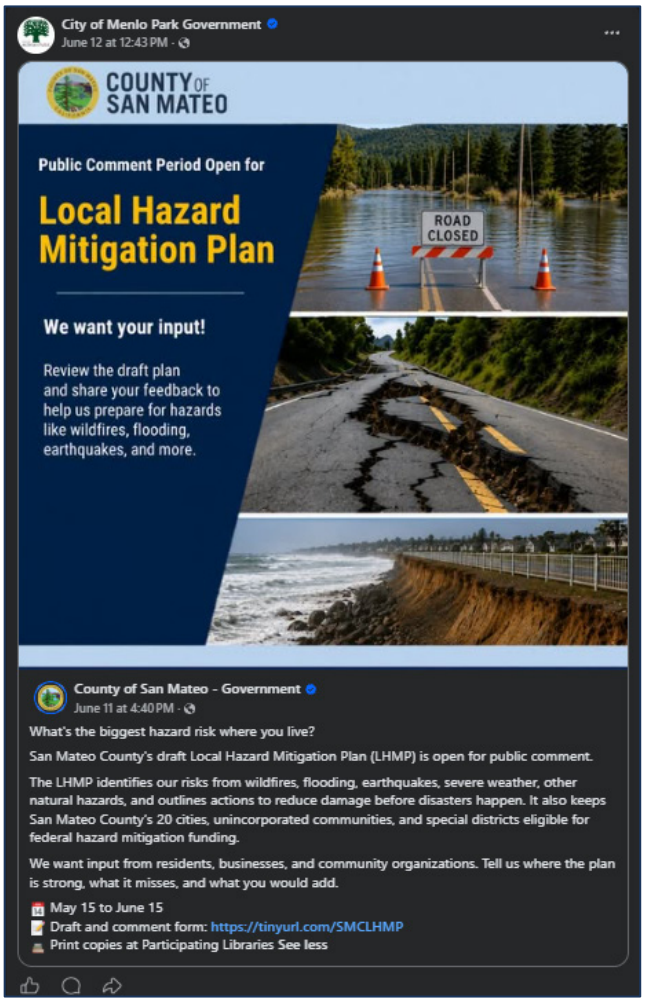
The City of Menlo Park distributes its Weekly Digest e-newsletter to share community updates with subscribers. The February 23rd issue featured information about the 2026 LHMP and the City's Annex update, the importance of the Plan, and encouraged residents to provide feedback. The announcements included links directing readers to submit feedback. All editions of the Weekly Digest can be accessed at: www.menlopark.gov/Government/Departments/City-Managers-Office/Communications-and-public-engagement/Weekly-Digest.

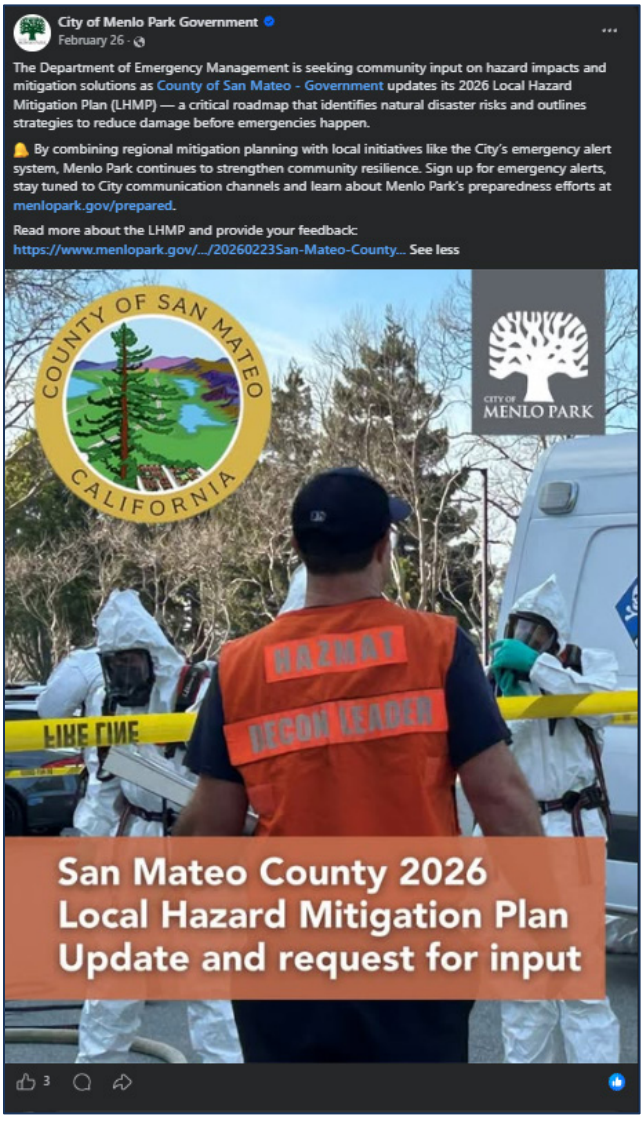




Social Media

Information on the 2026 LHMP update and public comment period was shared through the City of Menlo Park's Facebook account. Posts included a QR code to the County's LHMP website for access to the draft plan and the feedback form. The City's Facebook page has more than 6,200 followers, including residents and local business owners. By leveraging established social media channels, the City was able to broaden awareness of the planning process and provide convenient access to Plan materials and feedback opportunities.





Outreach Materials

To support a consistent and coordinated outreach throughout the planning process, San Mateo County developed and distributed a standardized outreach toolkit for use by plan participants, Steering Committee members, and stakeholders. The toolkit included informational flyers and a social media toolkit designed to promote the LHMP update and encourage public participation.

Two (2) versions of the informational flyers were developed to support different phases of outreach. The pre-public comment flyer (**Figure B-1**) informed the public about the LHMP update, explained its purpose, and highlighted the importance of hazard mitigation planning. A QR code directed community members to the County LHMP website, where they could learn more about the Plan and provide input using online forms. A second flyer (**Figure B-2**) was developed for the public comment period to raise awareness of the draft LHMP's availability and encourage community members to review the Plan and submit feedback.

The social media toolkit (**Figure B-3**) included ready-to-post platform-specific content with suggested messaging, hashtags, and tagging guidance to support consistent communication across jurisdictions. Plan participants were encouraged to use these materials with limited customization to maintain a coordinated "One County, One Voice" approach. Refer to **Volume 1** for additional details on countywide outreach tools and engagement methods.

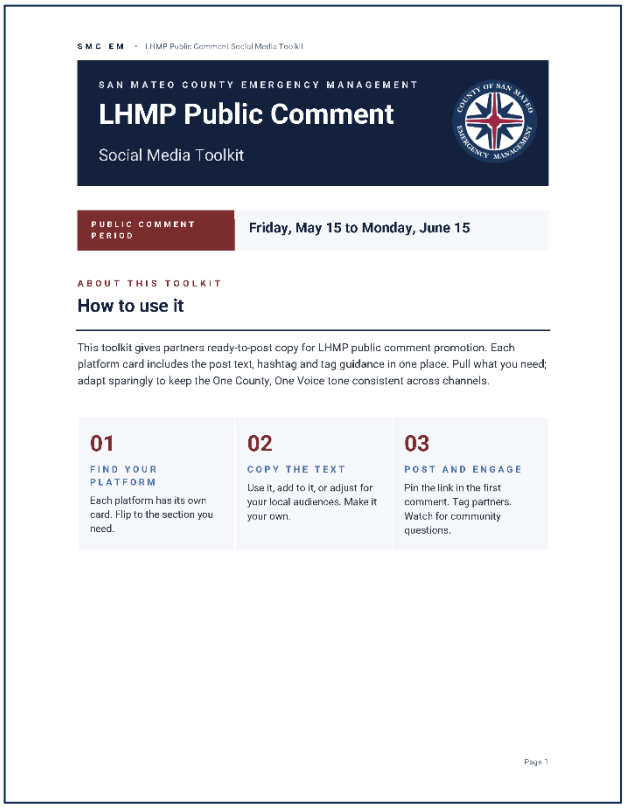
Figure B-1. Flyer (Pre-Public Comment)



Figure B-2. Flyer (Public Comment Period)



Figure B-3. Social Media Toolkit



SMC EM · LHMP Public Comment Social Media Toolkit

SAN MATEO COUNTY EMERGENCY MANAGEMENT

LHMP Public Comment

Social Media Toolkit

PUBLIC COMMENT PERIOD — **Friday, May 15 to Monday, June 15**

ABOUT THIS TOOLKIT

How to use it

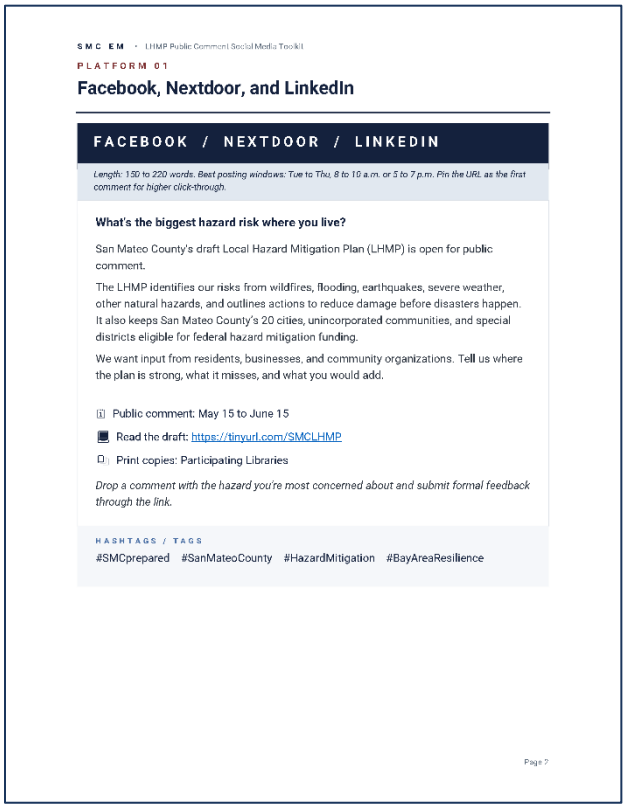
This toolkit gives partners ready-to-post copy for LHMP public comment promotion. Each platform card includes the post text, hashtag and tag guidance in one place. Pull what you need; adapt sparingly to keep the One County, One Voice tone consistent across channels.

01 FIND YOUR PLATFORM — Each platform has its own card. Flip to the section you need.

02 COPY THE TEXT — Use it, add to it, or adjust for your local audiences. Make it your own.

03 POST AND ENGAGE — Pin the link in the first comment. Tag partners. Watch for community questions.

Page 1



SMC EM · LHMP Public Comment Social Media Toolkit

PLATFORM 01

Facebook, Nextdoor, and LinkedIn

FACEBOOK / NEXTDOOR / LINKEDIN

Length: 150 to 220 words. Best posting windows: Tue to Thu, 8 to 10 a.m. or 5 to 7 p.m. Pin the URL as the first comment for higher click-through.

What's the biggest hazard risk where you live?

San Mateo County's draft Local Hazard Mitigation Plan (LHMP) is open for public comment.

The LHMP identifies our risks from wildfires, flooding, earthquakes, severe weather, other natural hazards, and outlines actions to reduce damage before disasters happen. It also keeps San Mateo County's 20 cities, unincorporated communities, and special districts eligible for federal hazard mitigation funding.

We want input from residents, businesses, and community organizations. Tell us where the plan is strong, what it misses, and what you would add.

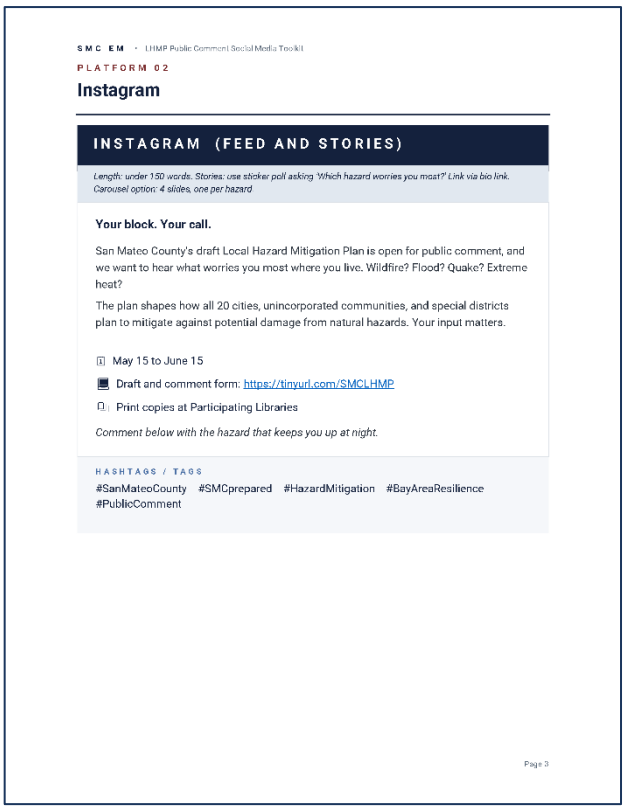
- Public comment: May 15 to June 15
- Read the draft: https://tinyurl.com/SMCLHMP
- Print copies: Participating Libraries

Drop a comment with the hazard you're most concerned about and submit formal feedback through the link.

HASHTAGS / TAGS

#SMCprepared #SanMateoCounty #HazardMitigation #BayAreaResilience

Page 2



SMC EM · LHMP Public Comment Social Media Toolkit

PLATFORM 02

Instagram

INSTAGRAM (FEED AND STORIES)

Length: under 150 words. Stories: use sticker poll asking 'Which hazard worries you most?' Link via bio link. Carousel option: 4 slides, one per hazard

Your block. Your call.

San Mateo County's draft Local Hazard Mitigation Plan is open for public comment, and we want to hear what worries you most where you live. Wildfire? Flood? Quake? Extreme heat?

The plan shapes how all 20 cities, unincorporated communities, and special districts plan to mitigate against potential damage from natural hazards. Your input matters.

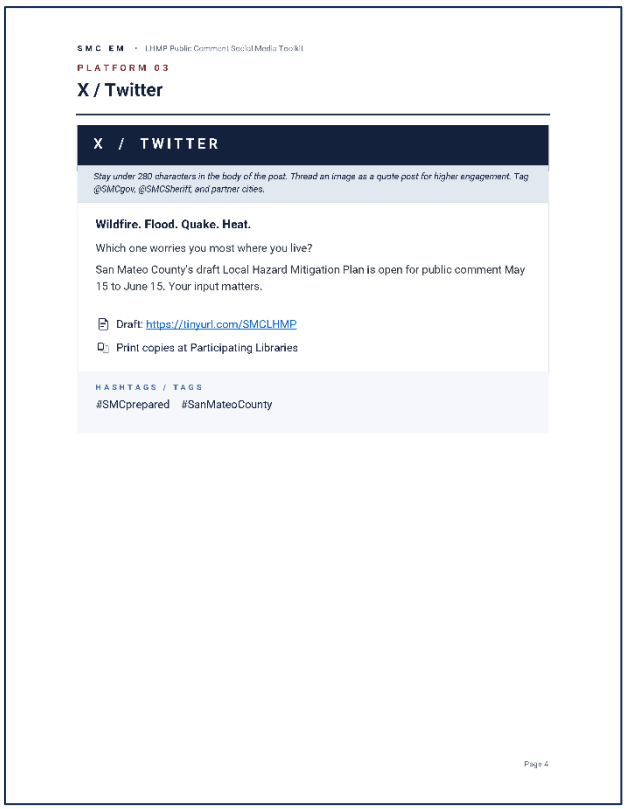
- May 15 to June 15
- Draft and comment form: https://tinyurl.com/SMCLHMP
- Print copies at Participating Libraries

Comment below with the hazard that keeps you up at night.

HASHTAGS / TAGS

#SanMateoCounty #SMCprepared #HazardMitigation #BayAreaResilience #PublicComment

Page 3



SMC EM · LHMP Public Comment Social Media Toolkit

PLATFORM 03

X / Twitter

X / TWITTER

Stay under 280 characters in the body of the post. Thread an image as a quote post for higher engagement. Tag @SMCgov, @SMCSheriff, and partner cities.

Wildfire. Flood. Quake. Heat.

Which one worries you most where you live?

San Mateo County's draft Local Hazard Mitigation Plan is open for public comment May 15 to June 15. Your input matters.

- Draft: https://tinyurl.com/SMCLHMP
- Print copies at Participating Libraries

HASHTAGS / TAGS

#SMCprepared #SanMateoCounty

Page 4

How Public Input Was Incorporated into the Plan

Input gathered through the public survey, community outreach and engagement activities, and the public comment period provided valuable information to support the planning process. This feedback helped validate the risk assessment findings, confirm potential mitigation strategies, and clarify community concerns about specific hazards and their impacts. The public also identified initiatives they believed would strengthen resilience for the County and its residents.

Survey results helped validate the hazards included in the LHMP and the hazard ranking process, and highlighted areas where the County and jurisdictions could further improve outreach and education efforts. Open-ended responses, particularly those describing past hazard impacts, helped validate hazard-specific impact data presented in *Chapter 4 (Hazard Identification and Risk Assessment)* of **Volume 1** of this Plan. These findings supported the identification of meaningful mitigation projects at both the County and jurisdiction levels.

Following the public comment period, seven (7) public feedback forms were received for the City of Menlo Park Annex. The Local Planning Team reviewed and will implement mitigation and preparedness efforts, if deemed appropriate, moving forward. To ensure the Plan remains current following adoption, the City of Menlo Park will support ongoing public involvement in the Plan and its implementation. Refer to Section B.3 of this Annex for further details on continued public engagement.

B.2. Stakeholder Engagement

Due to the size of the Plan (Volume 1 and 35 annexes), some stakeholders would have received multiple invitations through different coordination efforts. To promote efficient outreach and avoid overwhelming stakeholders, San Mateo County implemented a targeted approach by distributing invitations to specific stakeholders, while also engaging others through alternative methods.

San Mateo County developed a comprehensive countywide stakeholder list to support engagement across the entire planning area (i.e., all participating jurisdictions). Plan participants reviewed this list to identify stakeholders relevant to their jurisdiction and supplemented it with additional contacts as appropriate. This approach helped ensure broad and inclusive stakeholder representation while allowing jurisdictions to incorporate locally specific partners where applicable.

The list below reflects stakeholders identified and engaged throughout the planning process, including those invited through countywide outreach and additional stakeholders identified by the City of Menlo Park. Stakeholders marked with an asterisk (*) were represented on the Hazard Mitigation Steering Committee and played a direct role in guiding the development of the Plan.

Stakeholders were engaged through multiple methods, including direct email outreach, coordination meetings, informal coordination, and participation in the Steering Committee. These efforts provided stakeholders with opportunities to review draft LHMP materials and offer comments and feedback throughout the planning process.

Local and Regional Agencies	
California Department of Forestry and Fire Protection	San Mateo County Emergency Medical Services*

Local and Regional Agencies	
California Department of Transportation (Caltrans)	San Mateo County Libraries
California Office of Emergency Services	San Mateo County Parks Department
City of Menlo Park Administrative Services	San Mateo County Public Health*
City of Menlo Park Public Works Department	San Mateo County Sustainability Department*
OneShoreline	San Mateo County Technology Services Department
San Mateo County Commission on Disabilities*	San Mateo County Transit District*
San Mateo County Department of Agriculture*	San Mateo County's Executive Office, Office of Racial and Social Justice*
San Mateo County Department of Emergency Management*	Valley Water
San Mateo County Department of Public Works	

Agencies that have Authority to Regulate Development	
City Manager's Office	San Mateo County Planning and Building Department
City of Menlo Park Community Development Department	San Mateo Local Agency Formation Commission

Neighboring Communities	
Belmont Police Department	Mid-Peninsula Water District*
Central County Fire Department	North County Fire Authority
City of Palo Alto	Pacifica Police Department
Coastside Fire Protection District	Redwood City Fire Department
Colma Fire Protection District	San Bruno Police Department
East Palo Alto Sanitary District	Santa Clara County
Menlo Park Fire Protection District*	South San Francisco Fire Department

Business, Academia, and Other Private Organizations	
California Water Service Company	Pacific Gas and Electric
Menlo College	

Nonprofit Organizations	
Age Friendly Half Moon Bay Coastside*	Puente*
Climate Resilient Communities*	Midcoast Community Council*
Coastside Emergency Action Program (CEAP)	Senior Coastsiders*

Nonprofit Organizations	
Community Organizations Active in Disasters (COAD) *Area Communities – Children & Childcare, Older Adults & Access and Functional Needs, Mental Health & Spiritual Care, and Food Security*	Thrive Alliance, Resilience in Shared Emergencies (RISE)
Daly City Partnership	

B.3. Continued Public Engagement

To support continued public engagement, the City of Menlo Park will coordinate with San Mateo County to ensure the LHMP remains accessible to the public and that opportunities for feedback are available throughout the life of the Plan. The Plan will be maintained on the County's LHMP website, where community members can review the document and submit comments.

The City of Menlo Park will continue to work with the County and other stakeholders to provide opportunities for public involvement, including participation in outreach efforts such as community events, public meetings, and other engagement activities. Hazard mitigation will continue to be incorporated into local outreach efforts to increase awareness of potential risks and available mitigation actions.

Additionally, the City of Menlo Park will support inclusive outreach by collaborating with local partners, departments, nonprofit organizations, and agencies that serve underserved and at-risk populations, helping to ensure that all residents have opportunities to participate in hazard mitigation planning and implementation.

APPENDIX C. HAZARD RISK RANKING DETAILS

This appendix provides the details of the hazard ranking results presented in Section 9 of this Annex. For a comprehensive explanation of the risk assessment methodology used for the 2026 LHMP rankings, refer to Chapter 4 in **Volume 1** of this Plan.

C.1. Probability of Occurrence

Hazard Event	Probability of Occurrence		Probability Factor	Weighted Factor
Dam Failure	Low	A significant hazard event is likely to occur within 100 years.	1	N/A
Drought	Medium	A significant hazard event is likely to occur within 25 years.	2	N/A
Earthquake	Medium	A significant hazard event is likely to occur within 25 years.	2	N/A
Riverine Flooding ***(Flood)***	Medium	A significant hazard event is likely to occur within 25 years.	2	N/A
Urban/Flash Flooding ***(Flood)***	High	A significant hazard event is likely to occur annually.	3	N/A
Coastal Flooding ***(Flood)***	Medium	A significant hazard event is likely to occur within 25 years.	2	N/A
Landslide	Low	A significant hazard event is likely to occur within 100 years.	1	N/A
Sea Level Rise	High	A significant hazard event is likely to occur annually.	3	N/A
Heavy Rainfall ***(Severe Weather)***	High	A significant hazard event is likely to occur annually.	3	N/A
Heat Wave/Extreme Heat ***(Severe Weather)***	High	A significant hazard event is likely to occur annually.	3	N/A
Fog ***(Severe Weather)***	Low	A significant hazard event is likely to occur within 100 years.	1	N/A
Severe Thunderstorm ***(Severe Weather)***	Medium	A significant hazard event is likely to occur within 25 years.	2	N/A
Tornado ***(Severe Weather)***	Low	A significant hazard event is likely to occur within 100 years.	1	N/A
Strong Winds ***(Severe Weather)***	High	A significant hazard event is likely to occur annually.	3	N/A
Tsunami	Low	A significant hazard event is likely to occur within 100 years.	1	N/A
Wildfire	Medium	A significant hazard event is likely to occur within 25 years.	2	N/A

C.2. Extent Factors

Hazard Event	Extent Factor	Extent		Extent Factor	Weighted Factor	Score
Dam Failure	***Extent/Severity***	Medium	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a medium-intensity incident.	2	3	6
	Catastrophic	Medium	Medium potential that this hazard could be catastrophic.	2	3	6
Drought	***Extent/Severity***	Low	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a low-intensity incident.	1	3	3
	Catastrophic	Low	Low potential that this hazard could be catastrophic.	1	3	3
Earthquake	***Extent/Severity***	High	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a high-intensity incident.	3	3	9
	Catastrophic	High	High potential that this hazard could be catastrophic.	3	3	9
Riverine Flooding ***(Flood)***	***Extent/Severity***	Medium	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a medium-intensity incident.	2	3	6
	Catastrophic	Medium	Medium potential that this hazard could be catastrophic.	2	3	6
Urban/Flash Flooding ***(Flood)***	***Extent/Severity***	High	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a high-intensity incident.	3	3	9
	Catastrophic	High	High potential that this hazard could be catastrophic.	3	3	9
Coastal Flooding ***(Flood)***	***Extent/Severity***	High	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a high-intensity incident.	3	3	9
	Catastrophic	Medium	Medium potential that this hazard could be catastrophic.	2	3	6
Landslide	***Extent/Severity***	Low	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a low-intensity incident.	1	3	3
	Catastrophic	Low	Low potential that this hazard could be catastrophic.	1	3	3

Hazard Event	Extent Factor	Extent		Extent Factor	Weighted Factor	Score
Sea Level Rise	***Extent/Severity***	Low	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a low-intensity incident.	1	3	3
	Catastrophic	Low	Low potential that this hazard could be catastrophic.	1	3	3
Heavy Rainfall ***(Severe Weather)***	***Extent/Severity***	Medium	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a medium-intensity incident.	2	3	6
	Catastrophic	Medium	Medium potential that this hazard could be catastrophic.	2	3	6
Heat Wave/Extreme Heat ***(Severe Weather)***	***Extent/Severity***	Medium	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a medium-intensity incident.	2	3	6
	Catastrophic	Low	Low potential that this hazard could be catastrophic.	1	3	3
Fog ***(Severe Weather)***	***Extent/Severity***	Low	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a low-intensity incident.	1	3	3
	Catastrophic	Low	Low potential that this hazard could be catastrophic.	1	3	3
Severe Thunderstorm ***(Severe Weather)***	***Extent/Severity***	Medium	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a medium-intensity incident.	2	3	6
	Catastrophic	Medium	Medium potential that this hazard could be catastrophic.	2	3	6
Tornado ***(Severe Weather)***	***Extent/Severity***	Low	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a low-intensity incident.	1	3	3
	Catastrophic	Low	Low potential that this hazard could be catastrophic.	1	3	3
Strong Winds ***(Severe Weather)***	***Extent/Severity***	Medium	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a medium-intensity incident.	2	3	6
	Catastrophic	Low	Low potential that this hazard could be catastrophic.	1	3	3

Hazard Event	Extent Factor	Extent		Extent Factor	Weighted Factor	Score
Tsunami	***Extent/Severity***	Low	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a low-intensity incident.	1	3	3
	Catastrophic	Low	Low potential that this hazard could be catastrophic.	1	3	3
Wildfire	***Extent/Severity***	Medium	Historical and/or probabilistic models/studies for this hazard indicate the possibility of a medium-intensity incident.	2	3	6
	Catastrophic	Medium	Medium potential that this hazard could be catastrophic.	2	3	6

C.3. Vulnerability Factors

Hazard Event	Vulnerability Factor	Vulnerability		Vulnerability Factor	Weighted Factor	Score
Dam Failure	***Population Exposure***	Low	14% or less of the population is exposed to the hazard.	1	3	3
	Property Exposure	Medium	10% to 24% of the total assessed property value is exposed to a hazard.	2	1	2
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1
Drought	***Population Exposure***	High	30% or more of the population is exposed to the hazard.	3	3	9
	Property Exposure	No Vulnerability	None of the total assessed property value is exposed to a hazard.	0	1	0
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1
Earthquake	***Population Exposure***	High	30% or more of the population is exposed to the hazard.	3	3	9
	Property Exposure	High	25% or more of the total assessed property value is exposed to the hazard.	3	1	3
	Changes in Development	Medium	Changes in development have increased the community's exposure to the hazard between 5% and 9%.	2	1	2

Hazard Event	Vulnerability Factor	Vulnerability		Vulnerability Factor	Weighted Factor	Score
Riverine Flooding ***(Flood)***	***Population Exposure***	Low	14% or less of the population is exposed to the hazard.	1	3	3
	Property Exposure	Medium	10% to 24% of the total assessed property value is exposed to a hazard.	2	1	2
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1
Urban/Flash Flooding ***(Flood)***	***Population Exposure***	High	30% or more of the population is exposed to the hazard.	3	3	9
	Property Exposure	High	25% or more of the total assessed property value is exposed to the hazard.	3	1	3
	Changes in Development	Medium	Changes in development have increased the community's exposure to the hazard between 5% and 9%.	2	1	2
Coastal Flooding ***(Flood)***	***Population Exposure***	Medium	15% to 29% of the population is exposed to the hazard.	2	3	6
	Property Exposure	Medium	10% to 24% of the total assessed property value is exposed to a hazard.	2	1	2
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1
Landslide	***Population Exposure***	Low	14% or less of the population is exposed to the hazard.	1	3	3
	Property Exposure	Low	9% or less of the total assessed property value is exposed to a hazard.	1	1	1
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1
Sea Level Rise	***Population Exposure***	Low	14% or less of the population is exposed to the hazard.	1	3	3
	Property Exposure	Medium	10% to 24% of the total assessed property value is exposed to a hazard.	2	1	2
	Changes in Development	Medium	Changes in development have increased the community's exposure to the hazard between 5% and 9%.	2	1	2

Hazard Event	Vulnerability Factor	Vulnerability		Vulnerability Factor	Weighted Factor	Score
Heavy Rainfall ***(Severe Weather)***	***Population Exposure***	High	30% or more of the population is exposed to the hazard.	3	3	9
	Property Exposure	High	25% or more of the total assessed property value is exposed to the hazard.	3	1	3
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1
Heat Wave/Extreme Heat ***(Severe Weather)***	***Population Exposure***	High	30% or more of the population is exposed to the hazard.	3	3	9
	Property Exposure	No Vulnerability	None of the total assessed property value is exposed to a hazard.	0	1	0
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1
Fog ***(Severe Weather)***	***Population Exposure***	High	30% or more of the population is exposed to the hazard.	3	3	9
	Property Exposure	No Vulnerability	None of the total assessed property value is exposed to a hazard.	0	1	0
	Changes in Development	No Vulnerability	Changes in development have had no effect and/or have decreased the community's exposure to the hazard.	0	1	0
Severe Thunderstorm ***(Severe Weather)***	***Population Exposure***	High	30% or more of the population is exposed to the hazard.	3	3	9
	Property Exposure	High	25% or more of the total assessed property value is exposed to the hazard.	3	1	3
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1
Tornado ***(Severe Weather)***	***Population Exposure***	High	30% or more of the population is exposed to the hazard.	3	3	9
	Property Exposure	High	25% or more of the total assessed property value is exposed to the hazard.	3	1	3
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1

Hazard Event	Vulnerability Factor	Vulnerability		Vulnerability Factor	Weighted Factor	Score
Strong Winds ***(Severe Weather)***	***Population Exposure***	High	30% or more of the population is exposed to the hazard.	3	3	9
	Property Exposure	High	25% or more of the total assessed property value is exposed to the hazard.	3	1	3
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1
Tsunami	***Population Exposure***	Low	14% or less of the population is exposed to the hazard.	1	3	3
	Property Exposure	Low	9% or less of the total assessed property value is exposed to a hazard.	1	1	1
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1
Wildfire	***Population Exposure***	Low	14% or less of the population is exposed to the hazard.	1	3	3
	Property Exposure	Low	9% or less of the total assessed property value is exposed to a hazard.	1	1	1
	Changes in Development	Low	Changes in development have increased the community's exposure to the hazard by 4% or less.	1	1	1

C.4. Impact Factors

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Dam Failure	***Population and Life Safety***	Medium	Populations exposed to this hazard are likely to experience some adverse impacts, such as injuries requiring acute medical care.	2	3	6
	Underserved Population	High	Underserved populations exposed to the hazard are likely to experience significant adverse/disproportionate impacts, such as fatalities and severe injuries.	3	3	9
	Property, Facilities, and Critical Infrastructure	Medium	More than $500,000 but less than $5 million in property, facilities, and infrastructure damage is expected from a single significant event, or damages are expected to occur to more than 5% but less than 15% of the property value within the jurisdiction.	2	2	4
	Economic	Medium	Total economic impact is likely to be greater than $100,000, but less than or equal to $10 million.	2	1	2
	Environmental	High	Environmental impact from a single significant event is likely to be substantial, requiring extensive outside resources and support; and/or repair, cleanup, restoration, and/or preservation work.	3	1	3
	Continuity of Operations/Delivery of Services	Medium	Impact lasting between 24 and 72 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	2	1	2
	Future Development	Medium	Future development trends will increase the impacts of this hazard, but not significantly.	2	1	2
	Climate Change	No Impact	Climate change trends will not increase the impacts of this hazard.	0	1	0

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Drought	***Population and Life Safety***	Low	Populations exposed to this hazard are likely to experience minimal adverse impacts, such as ambulatory injuries.	1	3	3
	Underserved Population	Medium	Underserved populations exposed to the hazard are likely to experience some adverse/disproportionate impacts, such as injuries requiring acute medical care.	2	3	6
	Property, Facilities, and Critical Infrastructure	Low	Less than $500,000 in property, facilities, and infrastructure damages is expected from a single significant event, or damages are expected to occur to less than 5% of the property value within the jurisdiction.	1	2	2
	Economic	Low	Total economic impact is not likely to be greater than $100,000.	1	1	1
	Environmental	Low	Environmental impact from a single significant event is likely to be minimal, requiring little to no outside resources and support; and/or minimal repair, cleanup, restoration, or preservation work.	1	1	1
	Continuity of Operations/Delivery of Services	Medium	Impact lasting between 24 and 72 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	2	1	2
	Future Development	Low	Future development trends will minimally increase the impacts of this hazard.	1	1	1
	Climate Change	High	Climate Change trends will significantly increase the impacts of this hazard.	3	1	3

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Earthquake	***Population and Life Safety***	High	Populations exposed to this hazard are likely to experience significant adverse impacts, such as fatalities and severe injuries.	3	3	9
	Underserved Population	High	Underserved populations exposed to the hazard are likely to experience significant adverse/disproportionate impacts, such as fatalities and severe injuries.	3	3	9
	Property, Facilities, and Critical Infrastructure	High	More than $5 million in property, facilities, and infrastructure damage is expected from a single significant event, or damages are expected to occur to 15% or more of the property value within the jurisdiction.	3	2	6
	Economic	High	Total economic impact is likely to be greater than $10 million.	3	1	3
	Environmental	High	Environmental impact from a single significant event is likely to be substantial, requiring extensive outside resources and support; and/or repair, cleanup, restoration, and/or preservation work.	3	1	3
	Continuity of Operations/Delivery of Services	High	Impact lasting more than 72 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	3	1	3
	Future Development	Medium	Future development trends will increase the impacts of this hazard, but not significantly.	2	1	2
	Climate Change	No Impact	Climate change trends will not increase the impacts of this hazard.	0	1	0

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Riverine Flooding *(Flood)*	***Population and Life Safety***	Medium	Populations exposed to this hazard are likely to experience some adverse impacts, such as injuries requiring acute medical care.	2	3	6
	Underserved Population	High	Underserved populations exposed to the hazard are likely to experience significant adverse/disproportionate impacts, such as fatalities and severe injuries.	3	3	9
	Property, Facilities, and Critical Infrastructure	Medium	More than $500,000 but less than $5 million in property, facilities, and infrastructure damage is expected from a single significant event, or damages are expected to occur to more than 5% but less than 15% of the property value within the jurisdiction.	2	2	4
	Economic	Medium	Total economic impact is likely to be greater than $100,000, but less than or equal to $10 million.	2	1	2
	Environmental	Medium	Environmental impact from a single significant event is likely to be localized, requiring some outside resources and support; and/or repair, cleanup, restoration, or preservation work.	2	1	2
	Continuity of Operations/Delivery of Services	Low	Impact lasting less than 24 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	1	1	1
	Future Development	Low	Future development trends will minimally increase the impacts of this hazard.	1	1	1
	Climate Change	High	Climate Change trends will significantly increase the impacts of this hazard.	3	1	3

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Urban/Flash Flooding ***(Flood)***	***Population and Life Safety***	Medium	Populations exposed to this hazard are likely to experience some adverse impacts, such as injuries requiring acute medical care.	2	3	6
	Underserved Population	High	Underserved populations exposed to the hazard are likely to experience significant adverse/disproportionate impacts, such as fatalities and severe injuries.	3	3	9
	Property, Facilities, and Critical Infrastructure	High	More than $5 million in property, facilities, and infrastructure damage is expected from a single significant event, or damages are expected to occur to 15% or more of the property value within the jurisdiction.	3	2	6
	Economic	Medium	Total economic impact is likely to be greater than $100,000, but less than or equal to $10 million.	2	1	2
	Environmental	Medium	Environmental impact from a single significant event is likely to be localized, requiring some outside resources and support; and/or repair, cleanup, restoration, or preservation work.	2	1	2
	Continuity of Operations/Delivery of Services	Medium	Impact lasting between 24 and 72 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	2	1	2
	Future Development	Medium	Future development trends will increase the impacts of this hazard, but not significantly.	2	1	2
	Climate Change	High	Climate Change trends will significantly increase the impacts of this hazard.	3	1	3

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Coastal Flooding *(Flood)*	***Population and Life Safety***	High	Populations exposed to this hazard are likely to experience significant adverse impacts, such as fatalities and severe injuries.	3	3	9
	Underserved Population	High	Underserved populations exposed to the hazard are likely to experience significant adverse/disproportionate impacts, such as fatalities and severe injuries.	3	3	9
	Property, Facilities, and Critical Infrastructure	High	More than $5 million in property, facilities, and infrastructure damage is expected from a single significant event, or damages are expected to occur to 15% or more of the property value within the jurisdiction.	3	2	6
	Economic	High	Total economic impact is likely to be greater than $10 million.	3	1	3
	Environmental	Medium	Environmental impact from a single significant event is likely to be localized, requiring some outside resources and support; and/or repair, cleanup, restoration, or preservation work.	2	1	2
	Continuity of Operations/Delivery of Services	High	Impact lasting more than 72 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	3	1	3
	Future Development	Low	Future development trends will minimally increase the impacts of this hazard.	1	1	1
	Climate Change	High	Climate Change trends will significantly increase the impacts of this hazard.	3	1	3

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Landslide	***Population and Life Safety***	Low	Populations exposed to this hazard are likely to experience minimal adverse impacts, such as ambulatory injuries.	1	3	3
	Underserved Population	Low	Underserved populations exposed to the hazard are likely to experience minimal adverse/disproportionate impacts, such as ambulatory injuries.	1	3	3
	Property, Facilities, and Critical Infrastructure	Low	Less than $500,000 in property, facilities, and infrastructure damages is expected from a single significant event, or damages are expected to occur to less than 5% of the property value within the jurisdiction.	1	2	2
	Economic	Low	Total economic impact is not likely to be greater than $100,000.	1	1	1
	Environmental	Low	Environmental impact from a single significant event is likely to be minimal, requiring little to no outside resources and support; and/or minimal repair, cleanup, restoration, or preservation work.	1	1	1
	Continuity of Operations/Delivery of Services	Low	Impact lasting less than 24 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	1	1	1
	Future Development	Low	Future development trends will minimally increase the impacts of this hazard.	1	1	1
	Climate Change	Low	Climate Change trends will minimally increase the impacts of this hazard.	1	1	1

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Sea Level Rise	***Population and Life Safety***	Medium	Populations exposed to this hazard are likely to experience some adverse impacts, such as injuries requiring acute medical care.	2	3	6
	Underserved Population	Medium	Underserved populations exposed to the hazard are likely to experience some adverse/disproportionate impacts, such as injuries requiring acute medical care.	2	3	6
	Property, Facilities, and Critical Infrastructure	High	More than $5 million in property, facilities, and infrastructure damage is expected from a single significant event, or damages are expected to occur to 15% or more of the property value within the jurisdiction.	3	2	6
	Economic	Medium	Total economic impact is likely to be greater than $100,000, but less than or equal to $10 million.	2	1	2
	Environmental	Low	Environmental impact from a single significant event is likely to be minimal, requiring little to no outside resources and support; and/or minimal repair, cleanup, restoration, or preservation work.	1	1	1
	Continuity of Operations/Delivery of Services	No Impact	No impact on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	0	1	0
	Future Development	Low	Future development trends will minimally increase the impacts of this hazard.	1	1	1
	Climate Change	High	Climate Change trends will significantly increase the impacts of this hazard.	3	1	3

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Heavy Rainfall *(Severe Weather)*	***Population and Life Safety***	Low	Populations exposed to this hazard are likely to experience minimal adverse impacts, such as ambulatory injuries.	1	3	3
	Underserved Population	Medium	Underserved populations exposed to the hazard are likely to experience some adverse/disproportionate impacts, such as injuries requiring acute medical care.	2	3	6
	Property, Facilities, and Critical Infrastructure	Medium	More than $500,000 but less than $5 million in property, facilities, and infrastructure damage is expected from a single significant event, or damages are expected to occur to more than 5% but less than 15% of the property value within the jurisdiction.	2	2	4
	Economic	Medium	Total economic impact is likely to be greater than $100,000, but less than or equal to $10 million.	2	1	2
	Environmental	Medium	Environmental impact from a single significant event is likely to be localized, requiring some outside resources and support; and/or repair, cleanup, restoration, or preservation work.	2	1	2
	Continuity of Operations/Delivery of Services	Medium	Impact lasting between 24 and 72 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	2	1	2
	Future Development	Medium	Future development trends will increase the impacts of this hazard, but not significantly.	2	1	2
	Climate Change	Medium	Climate Change trends will increase the impacts of this hazard, but not significantly.	2	1	2

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Heat Wave/Extreme Heat ***(Severe Weather)***	***Population and Life Safety***	Low	Populations exposed to this hazard are likely to experience minimal adverse impacts, such as ambulatory injuries.	1	3	3
	Underserved Population	Medium	Underserved populations exposed to the hazard are likely to experience some adverse/disproportionate impacts, such as injuries requiring acute medical care.	2	3	6
	Property, Facilities, and Critical Infrastructure	No Impact	Little to no property, facilities, and infrastructure damage is expected from a single significant event.	0	2	0
	Economic	Low	Total economic impact is not likely to be greater than $100,000.	1	1	1
	Environmental	Low	Environmental impact from a single significant event is likely to be minimal, requiring little to no outside resources and support; and/or minimal repair, cleanup, restoration, or preservation work.	1	1	1
	Continuity of Operations/Delivery of Services	No Impact	No impact on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	0	1	0
	Future Development	Low	Future development trends will minimally increase the impacts of this hazard.	1	1	1
	Climate Change	High	Climate Change trends will significantly increase the impacts of this hazard.	3	1	3

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Fog ***(Severe Weather)***	***Population and Life Safety***	Low	Populations exposed to this hazard are likely to experience minimal adverse impacts, such as ambulatory injuries.	1	3	3
	Underserved Population	Low	Underserved populations exposed to the hazard are likely to experience minimal adverse/disproportionate impacts, such as ambulatory injuries.	1	3	3
	Property, Facilities, and Critical Infrastructure	Low	Less than $500,000 in property, facilities, and infrastructure damages is expected from a single significant event, or damages are expected to occur to less than 5% of the property value within the jurisdiction.	1	2	2
	Economic	Low	Total economic impact is not likely to be greater than $100,000.	1	1	1
	Environmental	Low	Environmental impact from a single significant event is likely to be minimal, requiring little to no outside resources and support; and/or minimal repair, cleanup, restoration, or preservation work.	1	1	1
	Continuity of Operations/Delivery of Services	Low	Impact lasting less than 24 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	1	1	1
	Future Development	No Impact	Future development trends will not increase the impacts of this hazard, and/or may even decrease it.	0	1	0
	Climate Change	No Impact	Climate change trends will not increase the impacts of this hazard.	0	1	0

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Severe Thunderstorm *(Severe Weather)*	***Population and Life Safety***	Low	Populations exposed to this hazard are likely to experience minimal adverse impacts, such as ambulatory injuries.	1	3	3
	Underserved Population	Medium	Underserved populations exposed to the hazard are likely to experience some adverse/disproportionate impacts, such as injuries requiring acute medical care.	2	3	6
	Property, Facilities, and Critical Infrastructure	Medium	More than $500,000 but less than $5 million in property, facilities, and infrastructure damage is expected from a single significant event, or damages are expected to occur to more than 5% but less than 15% of the property value within the jurisdiction.	2	2	4
	Economic	Medium	Total economic impact is likely to be greater than $100,000, but less than or equal to $10 million.	2	1	2
	Environmental	Medium	Environmental impact from a single significant event is likely to be localized, requiring some outside resources and support; and/or repair, cleanup, restoration, or preservation work.	2	1	2
	Continuity of Operations/Delivery of Services	Low	Impact lasting less than 24 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	1	1	1
	Future Development	Medium	Future development trends will increase the impacts of this hazard, but not significantly.	2	1	2
	Climate Change	Low	Climate Change trends will minimally increase the impacts of this hazard.	1	1	1

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Tornado ***(Severe Weather)***	***Population and Life Safety***	Low	Populations exposed to this hazard are likely to experience minimal adverse impacts, such as ambulatory injuries.	1	3	3
	Underserved Population	Low	Underserved populations exposed to the hazard are likely to experience minimal adverse/disproportionate impacts, such as ambulatory injuries.	1	3	3
	Property, Facilities, and Critical Infrastructure	Low	Less than $500,000 in property, facilities, and infrastructure damages is expected from a single significant event, or damages are expected to occur to less than 5% of the property value within the jurisdiction.	1	2	2
	Economic	Medium	Total economic impact is likely to be greater than $100,000, but less than or equal to $10 million.	2	1	2
	Environmental	Low	Environmental impact from a single significant event is likely to be minimal, requiring little to no outside resources and support; and/or minimal repair, cleanup, restoration, or preservation work.	1	1	1
	Continuity of Operations/Delivery of Services	Low	Impact lasting less than 24 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	1	1	1
	Future Development	Low	Future development trends will minimally increase the impacts of this hazard.	1	1	1
	Climate Change	Low	Climate Change trends will minimally increase the impacts of this hazard.	1	1	1

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Strong Winds *(Severe Weather)*	***Population and Life Safety***	Medium	Populations exposed to this hazard are likely to experience some adverse impacts, such as injuries requiring acute medical care.	2	3	6
	Underserved Population	Medium	Underserved populations exposed to the hazard are likely to experience some adverse/disproportionate impacts, such as injuries requiring acute medical care.	2	3	6
	Property, Facilities, and Critical Infrastructure	Medium	More than $500,000 but less than $5 million in property, facilities, and infrastructure damage is expected from a single significant event, or damages are expected to occur to more than 5% but less than 15% of the property value within the jurisdiction.	2	2	4
	Economic	Medium	Total economic impact is likely to be greater than $100,000, but less than or equal to $10 million.	2	1	2
	Environmental	Low	Environmental impact from a single significant event is likely to be minimal, requiring little to no outside resources and support; and/or minimal repair, cleanup, restoration, or preservation work.	1	1	1
	Continuity of Operations/Delivery of Services	Low	Impact lasting less than 24 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	1	1	1
	Future Development	Low	Future development trends will minimally increase the impacts of this hazard.	1	1	1
	Climate Change	Low	Climate Change trends will minimally increase the impacts of this hazard.	1	1	1

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Tsunami	***Population and Life Safety***	Low	Populations exposed to this hazard are likely to experience minimal adverse impacts, such as ambulatory injuries.	1	3	3
	Underserved Population	Low	Underserved populations exposed to the hazard are likely to experience minimal adverse/disproportionate impacts, such as ambulatory injuries.	1	3	3
	Property, Facilities, and Critical Infrastructure	Low	Less than $500,000 in property, facilities, and infrastructure damages is expected from a single significant event, or damages are expected to occur to less than 5% of the property value within the jurisdiction.	1	2	2
	Economic	Low	Total economic impact is not likely to be greater than $100,000.	1	1	1
	Environmental	Low	Environmental impact from a single significant event is likely to be minimal, requiring little to no outside resources and support; and/or minimal repair, cleanup, restoration, or preservation work.	1	1	1
	Continuity of Operations/Delivery of Services	Low	Impact lasting less than 24 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	1	1	1
	Future Development	Low	Future development trends will minimally increase the impacts of this hazard.	1	1	1
	Climate Change	No Impact	Climate change trends will not increase the impacts of this hazard.	0	1	0

Hazard Event	Impact Factor	Impact		Impact Factor	Weighted Factor	Score
Wildfire	***Population and Life Safety***	Medium	Populations exposed to this hazard are likely to experience some adverse impacts, such as injuries requiring acute medical care.	2	3	6
	Underserved Population	High	Underserved populations exposed to the hazard are likely to experience significant adverse/disproportionate impacts, such as fatalities and severe injuries.	3	3	9
	Property, Facilities, and Critical Infrastructure	Medium	More than $500,000 but less than $5 million in property, facilities, and infrastructure damage is expected from a single significant event, or damages are expected to occur to more than 5% but less than 15% of the property value within the jurisdiction.	2	2	4
	Economic	Medium	Total economic impact is likely to be greater than $100,000, but less than or equal to $10 million.	2	1	2
	Environmental	Medium	Environmental impact from a single significant event is likely to be localized, requiring some outside resources and support; and/or repair, cleanup, restoration, or preservation work.	2	1	2
	Continuity of Operations/Delivery of Services	Medium	Impact lasting between 24 and 72 hours on the ability of the jurisdiction to meet the essential day-to-day operational demands and needs of the community from a single significant event.	2	1	2
	Future Development	Low	Future development trends will minimally increase the impacts of this hazard.	1	1	1
	Climate Change	High	Climate Change trends will significantly increase the impacts of this hazard.	3	1	3

APPENDIX D. PLAN ADOPTION

[Placeholder for adoption documentation after State and FEMA approval]