



Item No. 17 Town of Atherton

CITY COUNCIL STAFF REPORT – CONSENT AGENDA

**TO: HONORABLE MAYOR AND CITY COUNCIL
GEORGE RODERICKS, CITY MANAGER**

**FROM: THERESA DELLASANTA,
ASSISTANT TO THE CITY MANAGER/CITY CLERK**

DATE: OCTOBER 19, 2016

**SUBJECT: ADOPT RESOLUTION 16-XX ACCEPTING ALL OF VOLUME I AND
THE TOWN'S PORTION OF VOLUME 2 OF THE SAN MATEO COUNTY
HAZARD MITIGATION PLAN**

RECOMMENDATION

Adopt resolution 16-xx accepting all of Volume I and the Town's portion of Volume 2 of the San Mateo County Hazard Mitigation Plan.

BACKGROUND

Hazard Mitigation Planning in San Mateo County

In December of 2015, a coalition of San Mateo County cities and special districts embarked on a planning process to prepare for and lessen the impacts of specified natural hazards by updating the San Mateo County Hazard Mitigation Plan. Responding to federal mandates in the Disaster Mitigation Act of 2000 (Public Law 106-390), the partnership was formed to pool resources and to create a uniform hazard mitigation strategy that can be consistently applied to the defined planning area and used to ensure eligibility for specified grant funding success.

This effort represents the second comprehensive update to the initial hazard mitigation plan, approved by the Federal Emergency Management Agency (FEMA) in November of 2005 and developed in partnership with the Association of Bay Area Governments (ABAG), as well as a return to a truly regional effort following the 2010 planning process. The 29 member coalition of partners involved in this program includes unincorporated San Mateo County, 18 city and town governments and 10 special districts. The planning area for the hazard mitigation plan was defined as all incorporated and unincorporated areas of San Mateo County. The result of the organizational effort will be a FEMA and California Office of Emergency Services (CalOES) approved multi-jurisdictional, multi-hazard mitigation plan.

Mitigation is defined in this context as any sustained action taken to reduce or eliminate long-term risk to life and property from a hazard event. Mitigation planning is the systematic process of

learning about the hazards that can affect the community, setting clear goals, identifying appropriate actions and following through with an effective mitigation strategy. Mitigation encourages long-term reduction of hazard vulnerability and can reduce the enormous cost of disasters to property owners and all levels of government. Mitigation can also protect critical community facilities, reduce exposure to liability, and minimize post-disaster community disruption.

The hazard identification and profiling in the hazard mitigation plan addresses the following hazards of concern within the planning area:

1. Dam failure
2. Earthquake
3. Flood
4. Landslide
5. Severe weather
6. Tsunami
7. Wildfire

Climate change is incorporated as a summary assessment of current and anticipated impacts for each identified hazard of concern.

With the exception of dam failure, this plan does not provide a full risk assessment of human-caused hazards. However, brief, qualitative discussions of the following hazards of interest are included: terrorism, cyber threats, hazardous materials release, pipeline and tank failure, airline incidents.

A Planning Team consisting of local officials has taken the lead in developing the hazard mitigation plan. All participating local jurisdictions have been responsible for assisting in the development of the hazard and vulnerability assessments and the mitigation action strategies for their respective jurisdictions and organizations. The Plan presents the accumulated information in a unified framework to ensure a comprehensive and coordinated plan covering the entire San Mateo County planning area. Each jurisdiction has been responsible for the review and approval of their individual sections of the Plan.

Additionally, the plan has been aligned with the goals, objectives and priorities of the State's multi-hazard mitigation plan.

A 10 member Steering Committee (SC) composed of representative stakeholders was formed early in the planning process to guide the development of the Plan. In addition, residents were asked to contribute by sharing local knowledge of their individual area's vulnerability to natural hazards based on past occurrences. Public involvement has been solicited via a comprehensive public outreach campaign that included two rounds of public meetings, web-based information, a questionnaire, and multiple social media updates.

Why adopt this Plan?

Once the hazard mitigation plan is adopted by all of the jurisdictional partners and approved by FEMA, the partnership will collectively and individually become eligible to apply for hazard mitigation project funding from both the Pre-Disaster Mitigation Grant Program (PDM) and the Hazard Mitigation Grant Program (HMGP).

What is the Pre-Disaster Mitigation competitive grant program?

The PDM competitive grant program provides funds to State, Tribal, and local governments for pre-disaster mitigation planning and projects primarily addressing natural hazards. Cost-effective pre-disaster mitigation activities reduce risk to life and property from natural hazard events before a natural disaster strikes, thus reducing overall risks to the population and structures, while also reducing reliance on funding from actual disaster declarations. Funds will be awarded on a competitive basis for mitigation planning and project applications intended to make local governments more resistant to the impacts of future natural disasters (For more details on this program see Attachment 1).

What is the Hazard Mitigation Grant Program?

Authorized under Section 404 of the Stafford Act, the HMGP administered by FEMA provides grants to States and local governments to implement long-term hazard mitigation measures after a major disaster declaration. The purpose of the program is to reduce the loss of life and property due to natural disasters and to enable mitigation measures to be implemented during the immediate recovery from a disaster (For more details on this program see Attachment 1).

POLICY FOCUS

Upon adoption of Volume I and Town of Atherton Annex of Volume II of the San Mateo County Hazard Mitigation Plan Update (HMP) and subsequent approval of said plan by CalOES and FEMA, the Town of Atherton will be eligible to apply for specified grants. The grant funds are made available to states and local governments and can be used to implement the long-term hazard mitigation measures specified within the Town of Atherton annex of the HMP before and after a major disaster declaration. The HMP is considered a living document such that, as awareness of additional hazards develops and new strategies and projects are conceived to offset or prevent losses due to natural disasters, the HMP will be evaluated and revised on a continual 5-year time frame.

FISCAL IMPACT

None at this time.

PUBLIC NOTICE

Public notification was achieved by posting the agenda, with this agenda item being listed, at least 72 hours prior to the meeting in print and electronically. Information about the item is also disseminated via the Town's electronic News Flash and Atherton Online. There are approximately 1,200 subscribers to the Town's electronic News Flash publications. Subscribers include residents as well as stakeholders – to include, but be not limited to, media outlets, school districts, Menlo Park Fire District, service providers (water, power, and sewer), and regional elected officials.

ATTACHMENTS

1. Letter from FEMA Approving Plan
 2. Hazard Mitigation Grant Program (HMGP) and Pre-Disaster Mitigation Grant Program (PDM) Fact Sheet
 3. Town of Atherton Annex of the San Mateo County Hazard Mitigation Plan
 4. Draft Resolution 16-XX
- A copy of the entire San Mateo County Hazardous Mitigation Plan covering all 27 jurisdictions can be reviewed through the City Clerk's Office.



FEMA

September 1, 2016

Mr. Bart Spencer
Emergency Services Coordinator
Central County Fire Department
1399 Rollins Road
Burlingame, CA 94010

Dear Mr. Spencer:

We have completed our review of the *San Mateo County Hazard Mitigation Plan* and have determined that this plan is eligible for final approval pending its adoption by San Mateo County and all participating jurisdictions. Please see the enclosed list of approvable pending adoption jurisdictions.

Formal adoption documentation must be submitted to the Regional office by the lead Jurisdiction within one calendar year of the date of this letter, or the entire plan must be updated and resubmitted for review. We will approve the plan upon receipt of the documentation of formal adoption.

If you have any questions regarding the planning or review processes, please contact Alison Kearns, Lead Community Planner, at (510) 627-7125 or by email at alison.kearns@fema.dhs.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeffrey D. Lusk".

Jeffrey D. Lusk
Division Director
Mitigation Division
FEMA Region IX

Enclosure

cc: Marcia Sully, State Hazard Mitigation Officer, CA Governor's Office of Emergency Services
Jose Lara, Chief of Hazard Mitigation Planning, CA Governor's Office of Emergency Services

Status of Participating Jurisdictions as of September 1, 2016

Jurisdictions – Adopted and Approved

#	Jurisdiction	Date of Adoption

Jurisdictions – Approvable Pending Adoption

#	Jurisdiction
1	San Mateo County
2	Atherton, Town of
3	Belmont, City of
4	Brisbane, City of
5	Colma, Town of
6	Daly City
7	East Palo Alto, City of
8	Half Moon Bay, City of
9	Hillsborough, City of
10	Menlo Park, City of
11	Millbrae, City of
12	Pacifica, City of
13	Redwood City
14	San Bruno, City of
15	San Carlos, City of
16	South San Francisco, City of
17	Woodside, Town of
18	Belmont Fire Protection District
19	Colma Fire Protection District
20	Woodside Fire Protection District
21	Mid-Peninsula Water District
22	North Coast County Water District
23	Westborough Water District
24	Jefferson Union High School District
25	Pacifica School District
26	San Mateo County Community College District
27	Highlands Recreation District

Jurisdictions – Not Available to Adopt

Attachment 1
Hazard Mitigation Grant Program (HMGP)
Pre-Disaster Mitigation Grant Program (PDM)

FACT SHEET

I. HAZARD MITIGATION GRANT PROGRAM (HMGP)

What is the Hazard Mitigation Grant Program?

HMGP is authorized by Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as amended (the Stafford Act), Title 42, United States Code (U.S.C.) 5170c. The key purpose of HMGP is to provide the opportunity to take critical mitigation measures to reduce future loss of life and property during the reconstruction process following a disaster.

HMGP is available, when authorized under a Presidential major disaster declaration, in the Tribe or areas of the State requested by the Governor. The amount of HMGP funding available is based upon the estimated total Federal assistance provided by FEMA for disaster recovery under the Presidential major disaster declaration.

Who is eligible to apply?

Hazard Mitigation Grant Program funding is only available to applicants that reside within a Presidentially declared disaster area. Eligible applicants are

- State and local governments
- Indian tribes or other tribal organizations
- Certain non-profit organizations

What types of projects can be funded by the HMGP?

HMGP funds may be used to fund projects that will reduce or eliminate the losses from future disasters. Projects must provide a long-term solution to a problem, for example, elevation of a home to reduce the risk of flood damages as opposed to buying sandbags and pumps to fight the flood. In addition, a project's potential savings must be more than the cost of implementing the project. Funds may be used to protect either public or private property or to purchase property that has been subjected to, or is in danger of, repetitive damage. Examples of projects include, but are not limited to:

- Acquisition of real property for willing sellers and demolition or relocation of buildings to convert the property to open space use
- Retrofitting structures and facilities to minimize damages from high winds, earthquake, flood, wildfire, or other natural hazards
- Elevation of flood prone structures
- Safe room construction
- Development and initial implementation of vegetative management programs
- Minor flood control projects that do not duplicate the flood prevention activities of other Federal agencies
- Localized flood control projects, such as certain ring levees and floodwall systems, that are designed specifically to protect critical facilities
- Post-disaster building code related activities that support building code officials during the reconstruction process

What are the minimum project criteria?

There are five issues you must consider when determining the eligibility of a proposed project.

- Does your project conform to your State's Hazard Mitigation Plan?
- Does your project provide a beneficial impact on the disaster area i.e. the State?
- Does your application meet the environmental requirements?
- Does your project solve a problem independently?
- Is your project cost-effective?

II. PRE-DISASTER MITIGATION GRANT PROGRAM (PDM)

What is the Pre-Disaster Mitigation competitive grant program?

The Pre-Disaster Mitigation (PDM) competitive grant program provides funds to State, Tribal, and local governments for pre-disaster mitigation planning and projects primarily addressing natural hazards. Cost-effective pre-disaster mitigation activities reduce risk to life and property from natural hazard events before a natural disaster strikes, thus reducing overall risks to the population and structures, while also reducing reliance on funding from actual disaster declarations. Funds will be awarded on a competitive basis to successful applicants for mitigation planning and project applications intended to make local governments more resistant to the pacts of future natural disasters.

Who can apply for a PDM competitive grant?

Eligible PDM competitive grant applicants include state and territorial emergency management agencies, or a similar office of the State, District of Columbia, U.S. Virgin Islands, Commonwealth of Puerto Rico, Guam, American Samoa, Commonwealth of the Northern Mariana Islands, and Federally-recognized Indian Tribal governments.

- ✓ Eligible Sub-applicants include State agencies; Federally-recognized Indian Tribal governments; and local governments (including State recognized Indian Tribal governments and Alaska native villages).
- ✓ Applicants can apply for PDM competitive grant funds directly to FEMA, while Sub-applicants must apply for funds through an eligible Applicant.
- ✓ Private non-profit organizations are not eligible to apply for PDM but may ask the appropriate local government to submit an application for the proposed activity on their behalf.

What are eligible PDM projects?

Multi-hazard mitigation projects must primarily focus on natural hazards but also may address hazards caused by non-natural forces. **Funding is restricted to a maximum of \$3M Federal share per project.** The following are eligible mitigation projects:

- ✓ Acquisition or relocation of hazard-prone property for conversion to open space in perpetuity;
- ✓ Structural and non-structural retrofitting of existing buildings and facilities (including designs and feasibility studies when included as part of the construction project) for wildfire, seismic, wind or flood hazards (e.g., elevation, flood proofing, storm shutters, hurricane clips);
- ✓ Minor structural hazard control or protection projects that may include vegetation management, Stormwater management (e.g., culverts, floodgates, retention basins), or shoreline/landslide stabilization; and,

- ✓ Localized flood control projects, such as certain ring levees and floodwall systems, that are designed specifically to protect critical facilities and that do not constitute a section of a larger flood control system.

Mitigation Project Requirements

Projects should be technically feasible (see Section XII. Engineering Feasibility) and ready to implement. Engineering designs for projects must be included in the application to allow FEMA to assess the effectiveness and feasibility of the proposed project. The project cost estimate should complement the engineering design, including all anticipated costs. FEMA has several formats that it uses in cost estimating for projects. Additionally, other Federal agencies' approaches to project cost estimating can be used as long as the method provides for a complete and accurate estimate. FEMA can provide technical assistance on engineering documentation and cost estimation (see Section XIII.D. Engineering Feasibility).

Mitigation projects also must meet the following criteria:

1. Be cost-effective and substantially reduce the risk of future damage, hardship, loss, or suffering resulting from a major disaster, consistent with 44 CFR 206.434(c)(5) and related guidance, and have a Benefit-Cost Analysis that results in a benefit-cost ratio of 1.0 or greater (see Section X. Benefit-Cost Analysis). **Mitigation projects with a benefit-cost ratio less than 1.0 will not be considered for the PDM competitive grant program;**
2. Be in conformance with the current FEMA-approved State hazard mitigation plan;
3. Solve a problem independently or constitute a functional portion of a solution where there is assurance that the project as a whole will be completed, consistent with 44 CFR 206.434(b)(4);
4. Be in conformance with 44 CFR Part 9, Floodplain Management and Protection of Wetlands, and 44 CFR Part 10, consistent with 44 CFR 206.434(c)(3);
5. Not duplicate benefits available from another source for the same purpose, including assistance that another Federal agency or program has the primary authority to provide (see Section VII.C. Duplication of Benefits and Programs);
6. Be located in a community that is participating in the NFIP if they have been identified through the NFIP as having a Special Flood Hazard Area (a FHBM or FIRM has been issued). In addition, the community must not be on probation, suspended or withdrawn from the NFIP; and,
7. Meet the requirements of Federal, State, and local laws.

What are examples of Ineligible PDM Projects?

The following mitigation projects are ***not*** eligible for the PDM program:

- ✓ Major flood control projects such as dikes, levees, floodwalls, seawalls, groins, jetties, dams, waterway channelization, beach nourishment or re-nourishment;
- ✓ Warning systems;
- ✓ Engineering designs that are not integral to a proposed project;
- ✓ Feasibility studies that are not integral to a proposed project;
- ✓ Drainage studies that are not integral to a proposed project;
- ✓ Generators that are not integral to a proposed project;
- ✓ Phased or partial projects;
- ✓ Flood studies or flood mapping; and,
- ✓ Response and communication equipment.

Attachment 2
Town of Atherton Jurisdictional Annex of the San Mateo County Hazard Mitigation Plan
Update



Chapter 2. Town of Atherton

2.1 Hazard Mitigation Plan Point of Contact

Primary Point of Contact	Alternate Point of Contact
Brad S. Mills, Sergeant	Joe Wade, Lieutenant
83 Ashfield Road	83 Ashfield Road
Atherton, Ca 94027	Atherton, Ca 94027
Telephone: 650-688-6500 ext. 543	Telephone: 650-688-6500 ext. 506
e-mail Address: bmills@ci.atherton.ca.us	e-mail Address: jwade@ci.atherton.ca.us

2.2 Jurisdiction Profile

The following is a summary of key information about the jurisdiction and its history:

- ❖ **Date of Incorporation**—1923
- ❖ **Current Population**—7,150 (as of January 1, 2016 – CA DOF)
- ❖ **Population Growth**—Based on the data tracked by the California Department of Finance, the Town of Atherton has experienced a decrease in population of 1% (July 2010 to July 2015). The California Department of Finance projects 4% growth from 2010 to 2020 and 4% growth from 2020 to 2030.
- ❖ **Location and Description**—The Town of Atherton is a small city in San Mateo County, California. The Town of Atherton covers six (6) square miles and is situated on the San Francisco Peninsula midway between San Francisco and San Jose. The Town employs 37 full-time employees as well as a number of part-time and contract employees. While the Town provides local police services, the fire services are supplied by the Menlo Park Fire Protection District. The Town of Atherton is bordered on the North by Redwood City and the Town of Woodside, and is bordered on the south by Menlo Park and East Palo Alto.
- ❖ **Brief History**—In 1866, The Town of Atherton was known as Fair Oaks, and was a flag stop on the California Coast for the Southern Pacific Railroad between San Francisco and San Jose for the convenience of the owners of large estates living north of Menlo Park. The entire area was called Menlo Park. It was part of the Rancho de las Pulgas, which is now southern San Mateo County. In 1923, Menlo Park wanted to incorporate its lands to include Fair Oaks. During a meeting of the representatives of the two communities, the Fair Oaks property owners maintained their community as a strictly residential area and they would incorporate independently. Both groups rushed to Sacramento but the Fair Oaks committee arrived first. It was at that time they realized that they could not keep the name Fair Oaks, as it was already the name of a town near Sacramento. It was decided to honor Faxon Dean Atherton who had been one of the first property owners in the south peninsula and name the town for him. The Town of Atherton was incorporated on September 12, 1923.





- ❖ **Climate**—Atherton, along with most of the San Francisco Bay Area, enjoys a mild Mediterranean climate with warm, dry summers and cool, relatively wet winters. December is generally the coolest month and July is the warmest month. The annual average rainfall is just over 20 inches, with 90% of that falling November to March. The average year-round temperature is 58° F. Humidity averages 43 to 94 %. Prevailing winds are from the generally from the west or north/west and average 4 mph.
- ❖ **Governing Body Format**—The Town of Atherton is governed by a five-member Town Council. The eight (8) town departments: City Manager’s Office, Police, Finance, Public Works, Building, Planning, Library and Parks Department. The Town has nine (9) Committees and Commissions that report to the Town Council. The Town Council assumes responsibility for the adoption of this plan; the City Manager will oversee its implementation.
- ❖ **Development Trends**—Current building trends are low to moderate within the Town of Atherton, as many residential lots are occupied. There are no businesses within the Town of Atherton. The Town is in the planning process of a new Town Civic Center that will include a new Police Department, City Hall, Public Work Building, and Library.

2.3 Capability Assessment

An assessment of legal and regulatory capabilities is presented in Table 2-1. An assessment of fiscal capabilities is presented in Table 2-2. An assessment of administrative and technical capabilities is presented in Table 2-3. Information on National Flood Insurance Program (NFIP) compliance is presented in Table 2-4. Classifications under various community mitigation programs are presented in Table 2-5. An assessment of education and outreach capabilities is presented in Table 2-6.

TABLE 2-1. LEGAL AND REGULATORY CAPABILITY

	Local Authority	Other Jurisdiction Authority	State Mandated
Building Code <i>Comment:</i> ATH Ord. 601 § 2, 2013: Ord. 590 § 2 (part), 2010 (Title 15)	Yes	No	Yes
Zoning Code <i>Comment:</i> ATH Ord. 582 § 1 (Exh. A) (part), 2009	Yes	No	No
Subdivisions <i>Comment:</i> ATH Ord. 441 § 1 (part), 1988	Yes	No	No
Stormwater Management <i>Comment:</i> ATH Ord. 481 (part), 1994/Chapter 8.5	Yes	No	Yes
Post-Disaster Recovery <i>Comment:</i> Emergency Operations Plan V.1 & V.2, 2000	Yes	No	No
Real Estate Disclosure <i>Comment:</i> CA. State Civil Code 1102 requires full disclosure on Natural hazard Exposure of the sale/re-sale of any and all real property.	No	No	Yes
Growth Management <i>Comment:</i> (Ord. 441 § 1 (part), 1988)	Yes	No	Yes





TABLE 2-1. LEGAL AND REGULATORY CAPABILITY

	Local Authority	Other Jurisdiction Authority	State Mandated
Site Plan Review Comment: Conducted by the Building Department, Public Works, Planning and Fire Department.	Yes	No	No
Environmental Protection Comment: ATH Ord. 317 Ch. 12(b) § 1, 1973	Yes	No	Yes
Flood Damage Prevention Comment: ATH Ord. 494 (part), 1996	Yes	No	No
Emergency Management Comment: ATH Ord. 318 § 1, 1973	Yes	No	No
Climate Change Comment:	No	No	No
Other Comment: Chapter 8.54 (Grading, Erosion, and Sediment Control)	Yes	No	No
General or Comprehensive Plan <i>Is the plan equipped to provide linkage to this mitigation plan? NO.</i> Comment: Town of Atherton General Plan, 2016 Housing Element Update Plan, 2014	Yes	No	Yes
Capital Improvement Plan <i>What types of capital facilities does the plan address?</i> Traffic safety, street sign and street light program, El Camino Real and Almendral, ADA improvements, channel monitoring, bridge inspection program, facility repairs, Atherton Library, Atherton Civic Center, pavement management projects, bicycle/pedestrian plan program projects, drainage improvement projects, park improvement projects, etc. <i>How often is the plan updated?</i> Annually, in budget. Considered on a 5-year scale, per FY 2015/16 budget. Comment:	Yes (In budget)	No	No
Floodplain or Watershed Plan Comment:	No	No	No
Stormwater Plan Comment: Stormwater Drainage Master Plan Updated in April 2015	Yes	No	No
Habitat Conservation Plan Comment:	No	No	No
Economic Development Plan Comment:	No	No	No
Shoreline Management Plan Comment: Town of Atherton has no shoreline	No	No	No
Community Wildfire Protection Plan Comment:	No	No	No
Forest Management Plan Comment: Menlo Park Fire Protection District	No	Yes	No





TABLE 2-1. LEGAL AND REGULATORY CAPABILITY

	Local Authority	Other Jurisdiction Authority	State Mandated
Climate Action Plan <i>Comment:</i> Climate Action Plan (2016)	Yes	No	No
Other <i>Comment:</i> Town-wide Drainage Master Plan, April 2015	Yes	No	No
Comprehensive Emergency Management Plan <i>Comment:</i> Emergency Operations Plan V.1 & V.2, 2000	Yes	No	Yes
Threat & Hazard Identification & Risk Assessment <i>Comment:</i>	No	No	No
Post-Disaster Recovery Plan <i>Comment:</i>	No	No	No
Continuity of Operations Plan <i>Comment:</i>	No	No	No
Public Health Plan <i>Comment:</i>	No	Yes	No
Other <i>Comment:</i> Bike Pedestrian Master Plan, Civic Center Project, Holbrook-Palmer Park Master Plan, Neighborhood Traffic Management Program	Yes	No	No

TABLE 2-2. FISCAL CAPABILITY

Financial Resources	Accessible or Eligible to Use?
Community Development Block Grants	No
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	No
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
State-Sponsored Grant Programs	No
Development Impact Fees for Homebuyers or Developers	Yes
Other	Yes



TABLE 2-3. ADMINISTRATIVE AND TECHNICAL CAPABILITY

Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Public Works Engineer
Engineers or professionals trained in building or infrastructure construction practices	Yes	Building/Planning/Public Works
Planners or engineers with an understanding of natural hazards	Yes	Building/Public Works
Staff with training in benefit/cost analysis	Yes	Building/Planning/Public Works
Surveyors	Yes	Public Works
Staff capable of making substantial damage estimates	Yes	Building/Planning/Public Works
Personnel skilled or trained in GIS applications	Yes	Building/Planning/Public Works
Scientist familiar with natural hazards in local area	Yes	Building/Planning/Public Works
Emergency manager	Yes	City Manager
Grant writers	Yes	Consultants

TABLE 2-4. NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE

Criteria	Response
When did the community enter the NFIP?	7-11-75
When did the Flood Insurance Rate maps become effective?	10-16-12
What local department is responsible for floodplain management?	Building Department
Who is your floodplain administrator? (department/position)	Chief Building Official
<ul style="list-style-type: none"> Is this a primary or auxiliary role? 	Auxiliary
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	2013 (as part of IBC/CBC building code standards adoption)
<ul style="list-style-type: none"> Does your floodplain management program meet or exceed minimum requirements? 	Meets minimum NFIP standards for community with no mapped SFHA
When was the most recent Community Assistance Visit or Community Assistance Contact?	Unknown – No SFHA
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed?	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction?	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program?	No
<ul style="list-style-type: none"> If so, what type of assistance/training is needed? 	N/A
Does your jurisdiction participate in the Community Rating System (CRS)?	No
<ul style="list-style-type: none"> If so, is your jurisdiction seeking to improve its CRS Classification? 	No
<ul style="list-style-type: none"> If not, is your jurisdiction interested in joining the CRS program? 	No





TABLE 2-4. NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE

Criteria	Response
How many Flood Insurance policies are in force in your jurisdiction?	53
▪ What is the insurance in force?	\$17,206,000
▪ What is the premium in force?	\$21,439
How many total loss claims have been filed in your jurisdiction?	6
▪ How many claims were closed without payment/are still open?	1
▪ What were the total payments for losses?	\$235,254.45

TABLE 2-5. COMMUNITY CLASSIFICATIONS

	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	No	N/A	N/A
Public Protection	No	N/A	N/A
Storm Ready	No	N/A	N/A
Firewise	No	N/A	N/A

TABLE 2-6. EDUCATION AND OUTREACH

Criteria	Response
Do you have a Public Information Officer or Communications Office?	Lieutenant for PD or Assistant to The City Manager for Town issues.
Do you have personnel skilled or trained in website development?	No
Do you have hazard mitigation information available on your website?	No
Do you utilize social media for hazard mitigation education and outreach?	Yes
▪ If yes, please briefly describe.	News Flash and SM Alerts
Do you have any citizen boards or commissions that address issues related to hazard mitigation?	The Town participates as a member of the San Mateo County Emergency Managers Association which includes topics on hazard mitigation Countywide.
Do you have any other programs already in place that could be used to communicate hazard-related information?	No
Do you have any established warning systems for hazard events?	Yes
▪ If yes, please briefly describe.	Emergency Siren for local damn breach/fire within the area of Walsh Road (upper west side of Atherton). www.smcalert.info . SMC Alert is an opt-in countywide notification system that can alert mobile devices, landlines and send emails



2.4 Integration with Other Planning Initiatives

The following describe the jurisdiction’s process for integrating the hazard mitigation plan into local planning mechanisms.

2.4.1 Existing Integration

The following plans and programs currently integrate the goals, risk assessment and/or recommendations of the hazard mitigation plan:

- ❖ **General Plan**—The Town’s General Plan integrates hazard mitigation through the consideration of hazards most likely to impact the County. Seismic Hazards are considered in the Community Safety Element, and the importance of open space is described through the Open Space and Conservation Element.

2.4.2 Opportunities for Future Integration

The following plans and programs do not currently integrate the goals, risk assessment and/or recommendations of the hazard mitigation plan, but provide an opportunity for future integration:

- ❖ **Public Outreach**—The Town of Atherton recognizes that there are currently public information opportunities available to facilitate public engagement regarding hazard mitigation. The Town will look into developing a more robust and targeted program that involves using current capabilities to expand and enhance outreach to local residents.

2.5 Jurisdiction-Specific Natural Hazard Event History

Table 2-6 lists all past occurrences of natural hazards within the jurisdiction.

TABLE 2-6. NATURAL HAZARD EVENTS

Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Earthquake	DR-845	10-18-1989	Unknown
Severe Storm	N/A	12-23-2012	Unknown
Severe Storm	DR-1203	2-9-1998	Unknown
Freezing	DR-894	2-11-1991	Unknown

2.6 Jurisdiction-Specific Vulnerabilities

Repetitive loss records are as follows:

- ❖ Number of FEMA-identified Repetitive-Loss Properties: 0
- ❖ Number of FEMA-identified Severe-Repetitive-Loss Properties: 0
- ❖ Number of Repetitive-Loss Properties or Severe-Repetitive-Loss Properties that have been mitigated: 0



Other noted vulnerabilities include:

- ❖ The Town of Atherton has one main water channel, “The Atherton Channel.” This runs from the Bear Gulch Reservoir on the most western end of Town to the eastern border with the North Fair Oaks area, an unincorporated area of San Mateo County. This channel occasionally overflowed at Walsh Road and Broadachers Road. The over flow has caused a road closures at Walsh Road and Alameda de las Pulgas Avenue. During one overflow event it sent water into Los Lomas School causing damage to several classrooms. This channel has also overflowed along Marsh Road, between Middlefield Road and North Fair Oaks, causing road closures and hazardous driving conditions.
- ❖ Walsh Road is a cul-de-sac the runs west from Alameda de las Pulgas to Interstate 280 and to the Bear Gulch Reservoir. Walsh Road has multiple smaller cul-de-sacs along its route. Walsh Road is common referred to as the “Walsh Area.” The Walsh Area is a rural wooded area with moderate slopes and large scale homes. Due to its limited ingress and egress the Town and the Menlo Park Fire District have established a ‘memo of understanding’ with the owners of the Bear Gulch Reservoir (California Water Service Group) and a nearby private landowner to allow residents to evacuate through his property and exit onto Moore Road in the unincorporated area of San Mateo County. The Walsh Area residents are alerted to evacuate via an audible siren located at the Bear Gulch Reservoir.

2.7 Hazard Risk Ranking

Table 2-7 presents the ranking of the hazards of concern.

TABLE 2-7. HAZARD RISK RANKING

Rank	Hazard Type	Risk Rating Score (Probability x Impact)	Category
1	Earthquake	48	High
2	Severe Weather	33	Medium
3	Dam Failure	9	Low
4	Drought	3	Low
5	Flood (Stormwater)	3	Low
6	Wildfire	3	Low
7	Landslide	0	Low
8	Tsunami	0	Low

2.8 Hazard Mitigation Action Plan and Evaluation of Recommended Actions

Table 2-8 lists the actions that make up the Town of Atherton hazard mitigation action plan. Table 2-9 identifies the priority for each action. Table 2-10 summarizes the mitigation actions by hazard of concern and the six mitigation types.



TABLE 2-8. HAZARD MITIGATION ACTION PLAN MATRIX

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
<p>AT-1 – Require preparation of site-specific geologic or geotechnical reports for development and redevelopment proposals in areas subject to earthquake-induced landslides or liquefaction as mandated by the State Seismic Hazard Mapping</p> <p>Act in selected portions of the Bay Area where these maps have been completed, and condition project approval on the incorporation of necessary mitigation measures related to site remediation, structure and foundation design, and/or avoidance.</p>						
Existing	Earthquake	1,2,4,6,7	Building	Low	Permit Fees	On-going
<p>AT-2 – Review new development proposals to ensure that they incorporate required and appropriate fire mitigation measures, including adequate provisions for occupant evacuation and access by emergency response personnel and equipment. Develop a clear regulatory framework at the local level to manage the wildland-urban-interface consistent with sustainable community principles.</p>						
Existing	Wildfire	1,2,4,5,6,7,8	Building	Low	Permit Fees	On-going
<p>AT-3 – Continue maintenance and testing of the Walsh Road Evacuation Siren for local dam breach and/or local fire within the west side of Alameda de las Pugals, in conjunction with the Fire Department and the California Water Service.</p>						
Existing	Wildfire, Dam Failure	1,9	Police Department	Low	General Funds	On-going
<p>AT-4 – Update the Heritage Tree Ordinance to allow/encourage the removal dangerous trees, such as Eucalyptus trees, along with an educational component.</p>						
New	Wildfire, Severe Weather	1,7,11	Building	Low	Staff Time, General Funds	Short-term
<p>AT-5 – Establish and enforce requirements for new development so that site-specific designs and source-control techniques are used to manage peak stormwater runoff flows and impacts from increased runoff volumes.</p>						
Existing	Flood, Severe Weather	4,6,7	Public Works	Low	Permit Fees	On-going
<p>AT-6 – Establish and enforce provisions (single family homes) that geotechnical and soil-hazard investigations be conducted and filed to prevent grading from creating unstable slopes, and that any necessary corrective actions be taken prior to development approval.</p>						
Existing	Earthquake, Severe Weather	6, 7	Public Works/Building	Low	Permit Fees	On-going
<p>AT-7 – Establish and enforce grading, erosion, and sedimentation ordinances by requiring, under certain conditions, grading permits and plans to control erosion and sedimentation prior to development approval.</p>						



TABLE 2-8. HAZARD MITIGATION ACTION PLAN MATRIX

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
Existing	All Hazards	1,6	Public Works/Building	Low	Permit Fees	On-going

AT-8 – Establish and enforce provisions under the creek protection, storm water management, and discharge control ordinances designed to control erosion and sedimentation.

Existing	Flood	6	Public Works	Low	Permit Fees	Short-term
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AT-9 – Continual yearly clearing of the Atherton Channel, along with current structural integrity improvements along the section of Marsh Road from Middlefield Road to Atherton border beginning June 2016.

Existing	Flood	4,6	Public Works	High	CIP	Short-term
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AT-10 – Develop Continuity of Operations/Continuity of Government plans and ensure force protection measures are in place in relation to vulnerable critical facilities within the Town, such as The Town Civic Center.

Existing	All Hazards	4, 7	Community Development	High	General Funds/Actively Seeking Funds	Mid-term
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Action G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.

Existing	All	1, 3, 4, 5, 6, 7, 11	Jurisdictions	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
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Action G-2—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.

New and existing	All	All	Jurisdictions	Low	General Fund	Long-term
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Action G-3—Continue to maintain the minimum National Flood Insurance Program participation requirement for communities with no mapped Special Flood Hazard Area.

New and existing	Flooding	2, 3, 5, 6, 8	Atherton	Low	General Fund	Short-term and ongoing
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Action G-4—Where feasible, implement a program to record high water marks following high-water events.

New and existing	Flooding, Severe Weather	1, 3, 4, 5, 6	Jurisdictions	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
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Action G-5—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.

New and existing	All	1, 2, 3, 4, 5, 6, 7, 8, 10	Jurisdictions	Low	General Fund	Short-term
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TABLE 2-8. HAZARD MITIGATION ACTION PLAN MATRIX

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
Action G-6 —Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.						
New and existing	All	2, 3, 4, 5, 6, 7, 8, 10, 11	Jurisdictions	Low	Operating Budgets	Ongoing
Action G-7 — Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.						
New and existing	All	All	Jurisdictions	Low	General Fund	Short- and long-term
Action G-8 — Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.						
New and Existing	All	1, 4	Jurisdictions	Low	Staff Time, General Funds	Short-term

TABLE 2-9. MITIGATION STRATEGY PRIORITY SCHEDULE

Action #	# of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/Budgets?	Implementation Priority ^a	Grant Priority ^a
AT-1	5	High	Low	Yes	No	Yes	Low	Low
AT-2	7	High	Low	Yes	No	Yes	Low	Low
AT-3	2	High	Low	Yes	No	Yes	Low	Low
AT-4	3	High	Low	Yes	No	Yes	Low	Low
AT-5	3	High	Low	Yes	No	Yes	Low	Low
AT-6	2	High	Low	Yes	No	Yes	Low	Low
AT-7	2	High	Low	Yes	No	Yes	Low	Low
AT-8	1	High	Low	Yes	No	Yes	Low	Low
AT-9	2	High	High	Yes	No	Yes	High	Low
AT-10	2	High	High	Yes	No	Yes	Medium	Low
G-1	7	High	High	Yes	Yes	No	High	High
G-2	11	High	Low	Yes	No	Yes	High	Low
G-3	5	Medium	Low	Yes	No	Yes	High	Low
G-4	5	Medium	Medium	Yes	Yes	Yes	Medium	Medium
G-5	9	Medium	Low	Yes	No	No	Medium	Low
G-6	9	Low	Low	Yes	No	Yes	Low	Low
G-7	11	Low	Low	Yes	No	Yes	High	Low
G-8	2	Low	Low	Yes	No	Yes	High	Low

^a. See the introduction to this volume for explanation of priorities.





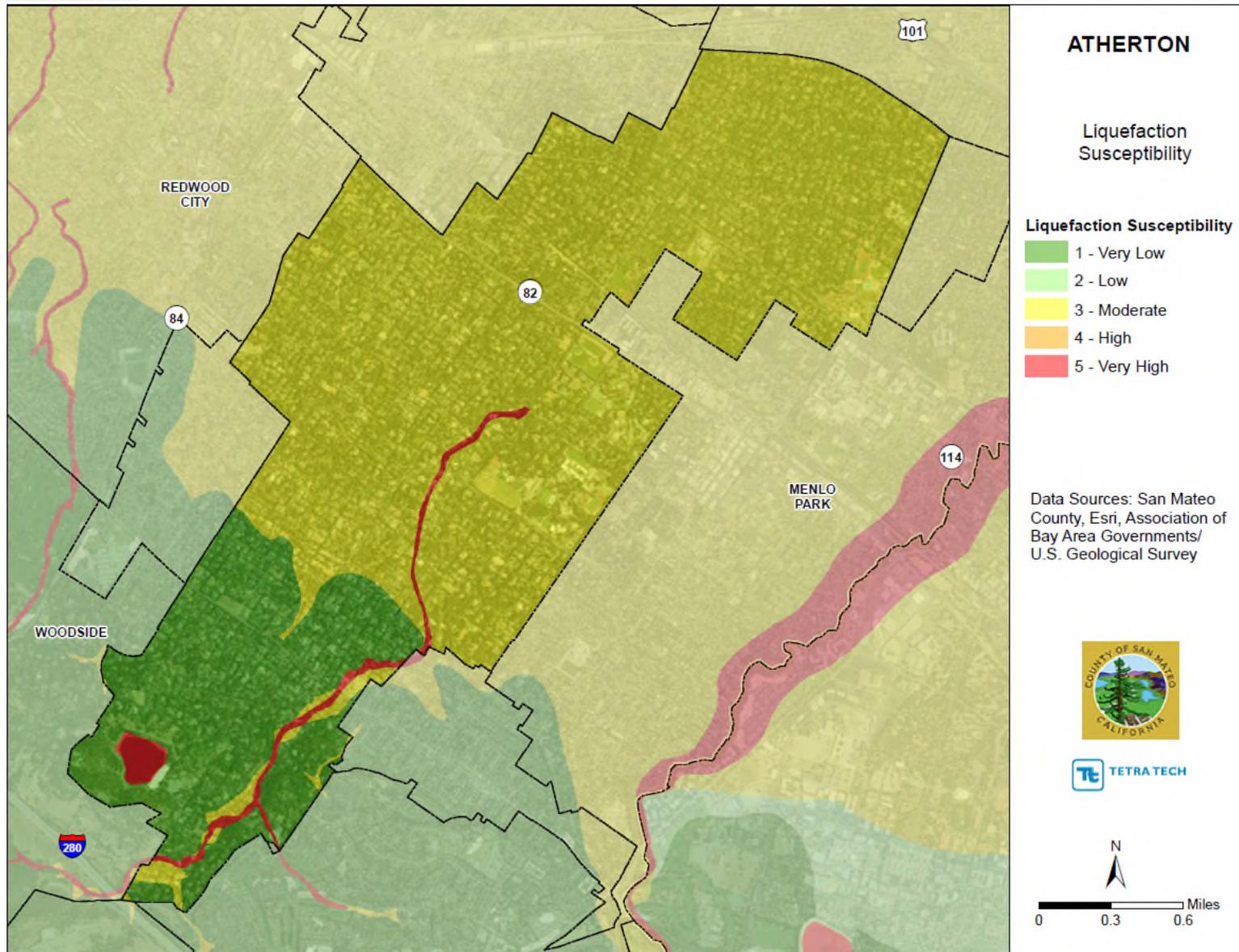
TABLE 2-10. ANALYSIS OF MITIGATION ACTIONS

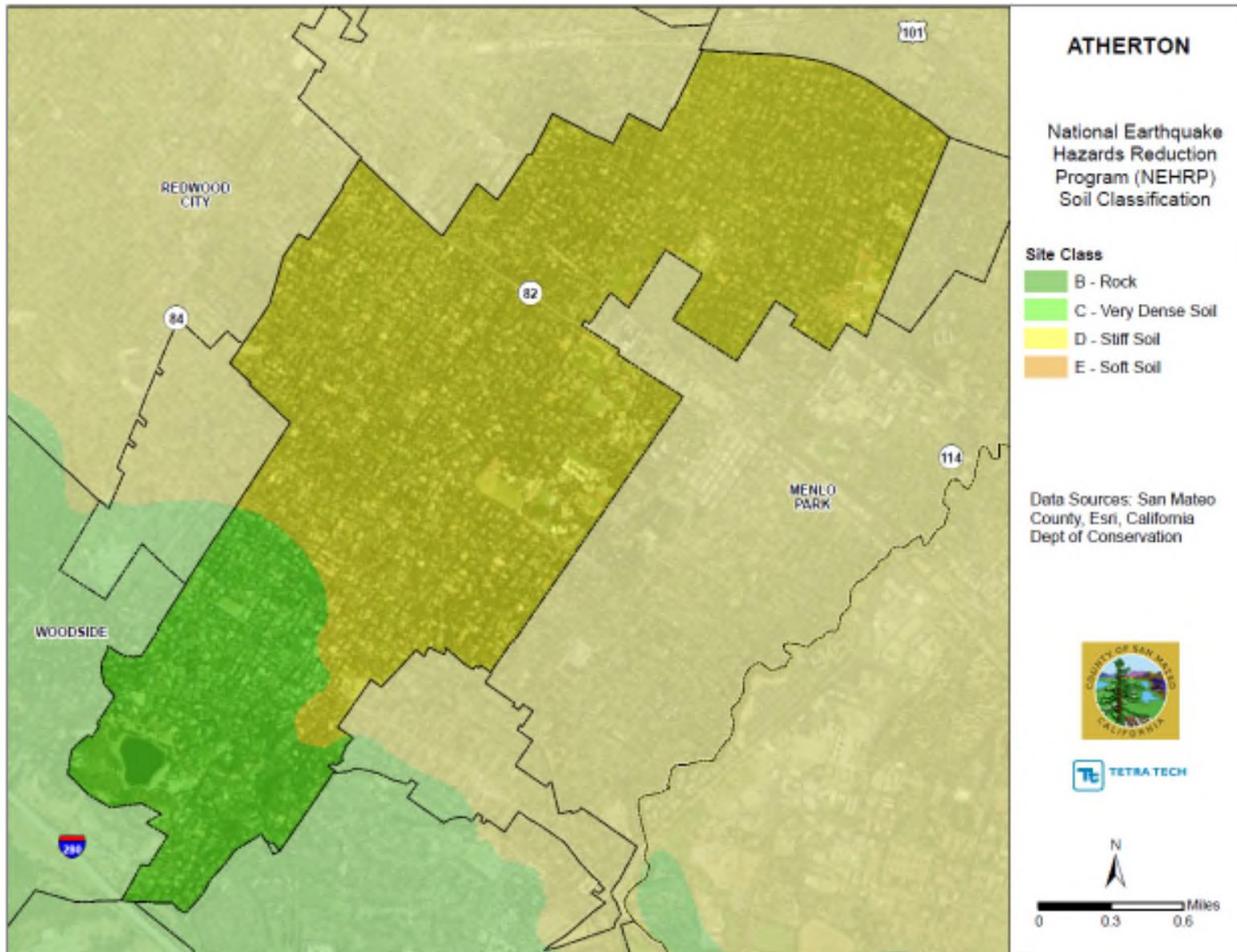
Hazard Type	Action Addressing Hazard, by Mitigation Type ^a					
	1. Prevention	2. Property Protection	3. Public Education and Awareness	4. Natural Resource Protection	5. Emergency Services	6. Structural Projects
Dam Failure					AT-3	
Drought	AT-12					
Earthquake	AT-1, AT-3, AT-2, AT-4, AT-9	AT-1, AT-3, AT-2, AT-4, AT-9			AT-6	AT-6
Stormwater	AT-3, AT-8, AT-9	AT-3, AT-8, AT-9			AT-6	AT-6
Landslide	AT-3, AT-8, AT-9	AT-3, AT-8, AT-9		AT-7		
Severe weather	AT-3, AT-8, AT-9			AT-7	AT-6	AT-6
Tsunami						
Wildfire	AT-4, AT-4	AT-2, AT-4	AT-4			

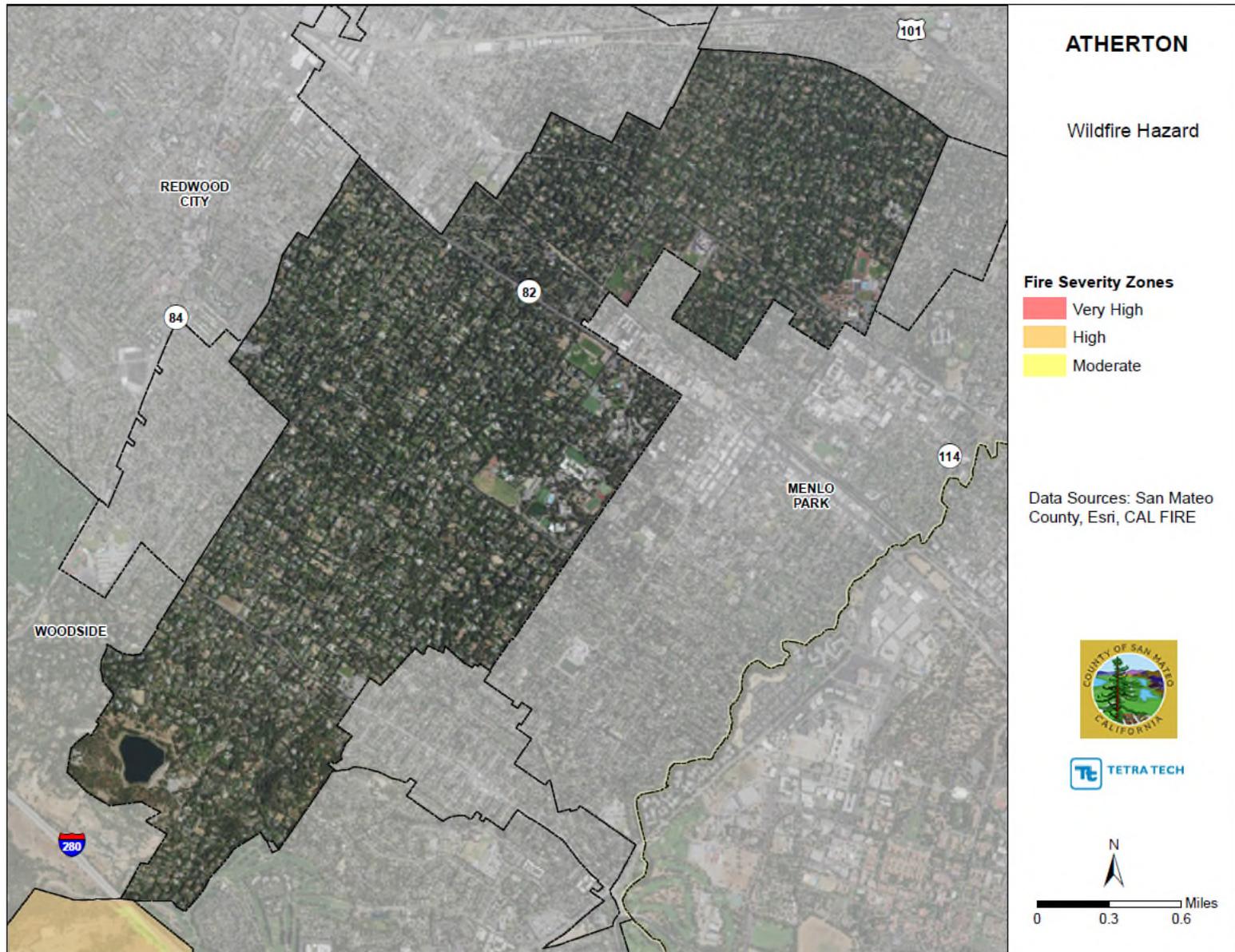
^a. See the introduction to this volume for explanation of mitigation types.

2.9 Additional Comments

- ❖ The Town of Atherton is a residential only community, with several schools.
- ❖ The Town of Atherton has no listed flood plains as depicted in the FEMA Flood Insurance Rate Map.
- ❖ The Town of Atherton has no coastal lands and is not subject to Tsunami activity.
- ❖ The Town of Atherton is currently working towards building a new Town Civic Center incorporating a new Police Department, Town Hall, Council Chambers, EOC and Library. The building phase is planned to begin in May of 2017. More information can be found at <http://ca-atherton.civicplus.com/index.aspx?NID=290>.
- ❖ The Bear Gulch Reservoir Dam is privately owned by the California Water Service Group. They are responsible for the care, maintenance and all infrastructure upgrades, as well as hazard mitigations with regard to the dam and California Water Service property.







RESOLUTION NO. 16-XX
A RESOLUTION OF THE TOWN OF ATHERTON
AUTHORIZING THE ADOPTION OF THE
SAN MATEO COUNTY HAZARD MITIGATION PLAN UPDATE

WHEREAS, all of San Mateo County has exposure to natural hazards that increase the risk to life, property, environment and the County's economy; and

WHEREAS; pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

WHEREAS, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and

WHEREAS; a coalition of San Mateo County, Cities, Towns and Special Districts with like planning objectives has been formed to pool resources and create consistent mitigation strategies within the San Mateo County planning area; and

WHEREAS, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating and revising this strategy;

NOW, THEREFORE, BE IT RESOLVED that the Town of Atherton:

- 1.) Adopts in its entirety, Volume I and the introduction, chapter 2 - the Town of Atherton jurisdictional annex, and the appendices of Volume II of the San Mateo County Hazard Mitigation Plan (HMP).
- 2.) Will use the adopted and approved portions of the HMP to guide pre- and post-disaster mitigation of the hazards identified.
- 3.) Will coordinate the strategies identified in the HMP with other planning programs and mechanisms under its jurisdictional authority.
- 4.) Will continue its support of the Steering Committee and continue to participate in the Planning Partnership as described by the HMP.
- 5.) Will help to promote and support the mitigation successes of all HMP Planning Partners.

I hereby certify that the foregoing Resolution was duly and regularly passed and adopted by the City Council of the Town of Atherton at a regular meeting thereof held on the 19th day of October, 2016 by the following vote:

AYES:	Council Members:
NOES:	Council Members:
ABSENT:	Council Members:
ABSTAIN:	Council Members:

ATTEST:

Elizabeth Lewis, Mayor

Theresa DellaSanta, City Clerk

APPROVED AS TO FORM:

Bill Conners, City Attorney