

TOWN OF LOS ALTOS HILLS

# HAZARD MITIGATION PLAN

ANNEX TO SANTA CLARA COUNTY LOCAL HAZARD MITIGATION PLAN

AND

TAMING NATURAL DISASTERS

THE 2010 ASSOCIATION OF BAY AREA GOVERNMENTS LOCAL HAZARD MITIGATION PLAN

October 2013

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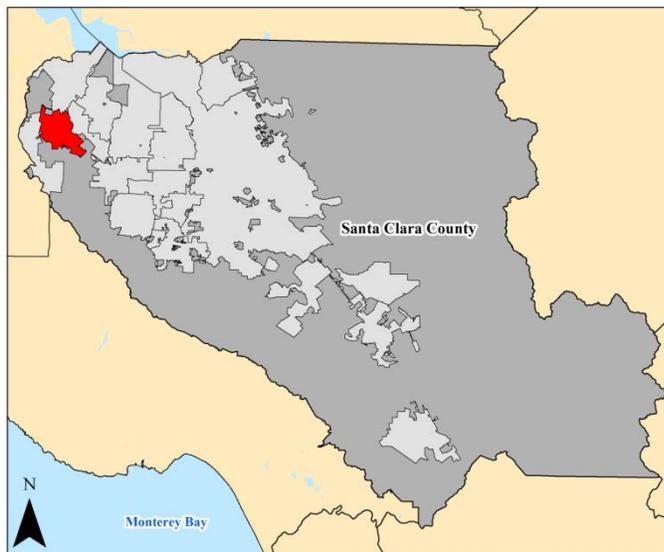
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## SECTION 23 TOWN OF LOS ALTOS HILLS

### 23.1 PURPOSE

This Town of Los Altos Hills Annex serves as an annex to the Santa Clara County Local Hazard Mitigation Plan which is an annex to the 2010 Association of Bay Area Governments Local Hazard Mitigation Plan, *Taming Natural Disasters*. Pursuant to the Disaster Mitigation Act of 2000, the City Council adopted this annex on **PLACEHOLDER - INSERT DATE HERE UPON ADOPTION.**



Authority to create this Plan is derived from the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Public Law 93-288), as amended by the Disaster Mitigation Act of 2000 (DMA 2000). The requirements and procedures for mitigation plans are found in the Code of Federal Regulations (CFR) at Title 44, Chapter 1, Part 201 and the associated Interim Final Rule and Final Rule changes of February 26, 2002, October 1, 2002, October 28, 2003, September 13, 2004, October 31, 2007, and September 16, 2009. This federal law and associated regulation establishes planning and funding criteria for states and local communities.

The Plan is intended to serve many purposes, including:

- *Enhance Public Awareness and Understanding* – to help residents of the Town better understand the hazards that threaten public health, safety, and welfare;
- *Create a Decision Tool for Management* – to provide information that managers and leaders of local government, community associations, and other key organizations need to take action to address vulnerabilities to future disasters;
- *Promote Compliance with State and Federal Program Requirements* – to insure that the Town of Los Altos Hills can take full advantage of state and federal grant programs, policies, and regulations that encourage or mandate that local governments develop comprehensive hazard mitigation plans;
- *Enhance Local Policies for Hazard Mitigation Capability* – to provide the policy basis for mitigation actions that should be promulgated to create a more disaster-resistant future; and
- *Provide Inter-Jurisdictional Coordination of Mitigation-Related Programming* – to ensure that proposals for mitigation initiatives are reviewed and coordinated within the Town.
- *Achieve Regulatory Compliance* – To qualify for certain forms of federal aid for pre- and post disaster funding, local jurisdictions must comply with the federal DMA 2000 and its implementing regulations (44 CFR Section 201.6). DMA 2000 intends for hazard mitigation plans to remain relevant and current. Therefore, it requires that State hazard mitigation plans are updated every three years and local plans every five years.

Thus, this Annex to the Santa Clara County Local Hazard Mitigation Plan uses a “five-year planning horizon” from the date the County plan was approved by the Federal Emergency Management Agency (FEMA). It is designed to carry the Town (in association with the County) through June 15, 2017. By this time, the County’s plan including all Annexes must be revisited re-approved by FEMA with revised assumptions, goals, and objectives as appropriate.

This plan enables the Town of Los Altos Hills to participate in the federal Hazard Mitigation Assistance grant programs. These are largely administered by the California Governor’s Office of Emergency Services and provide a competitive forum for applying and receiving grants that support mitigation activities or related planning efforts.

## **23.2 INTRODUCTION**

The Town of Los Altos Hills is a residential community located adjacent to the City of Los Altos in the northwestern region of Santa Clara County, California. It is thirty-five miles south of San Francisco, five miles south of Stanford University, and seventeen miles north of downtown San Jose. The Town encompasses nine square miles, making it one of the smallest incorporated towns in Santa Clara County. There are an additional 5.2 square miles of unincorporated land adjacent to the town’s boundaries that is designated within the Town’s “sphere of influence”. The population was 7,922 at the time of the 2010 Census. There are several distinct features of Los Altos Hills. One is the town’s dedication to the preservation of a “residential-agricultural” conditional lifestyle, which is shown through open lands, rolling hills, and a rural atmosphere. The Town’s Pathway System manifests this lifestyle, with 85 miles of trails and off-road paths that connect the community. Another significant feature of the Town is the absence of commercial and industrial zones. Permitted uses include schools, religious, and recreational facilities. The Town’s zoning requires a minimum lot size of one acre.

As stated in the Los Altos Hills General Plan, three major faults traverse the Town of Los Altos Hills: (1) Berrocal Fault, which runs from west to east, (2) Altamont Fault, parallel to Berrocal Fault, and (3) Monte Vista Fault, running from northwest to southeast. The Town is also near the San Andreas Fault and subject to earthquakes.

## 23.2.1 Adoption Resolution

*Pending*

### **23.3 INTERNAL PLANNING PROCESS**

The Town of Los Altos Hills participated in the regional planning process coordinated by ABAG in 2009 and subsequently conducted a local planning process in 2013 to develop this annex.

#### ***Planning Team***

The Town of Los Altos Hills' local planning team included the following individuals:

Carl Cahill, City Manager  
Debbie Pedro, Community Development Director  
Richard Chiu, City Engineer, Public Works Director  
Deborah Padovan, Public Information Officer  
Sarah Gualtieri, Community Services Supervisor  
Marsha Hovey, Emergency Management  
Ken Binder, Sheriff's Office  
Stu Farwell, Los Altos Hills County Fire District  
Patrick Walter, General Manager, Purissima Hills Water District  
Mike Sanders, Community Emergency Response Team (CERT) Coordinator  
Richard Green, Community Emergency Response Team (CERT) Volunteer

It is noted that in addition to participating in this Annex, the Purissima Hills Water District developed a 2010 Local Hazard Mitigation Plan as an annex to the ABAG Multi-Jurisdictional Local Hazard Mitigation Plan. The District reviewed the hazards identified in the ABAG plan and evaluated these hazards based on past disasters and expected future impacts. They concluded that earthquakes pose the most significant risk for potential loss. As part of their local plan, the District examined the hazard exposure of its buildings located within Los Altos Hills. The District identified three mitigation projects that will be implemented within five years from their plan date. These include seismic upgrades at the Page Mill Tank, seismic upgrades at the Neary Tank, and assessing all facilities vulnerability to earthquake. The District has many on-going mitigation programs designed to reduce risk that are listed within their plan. This Annex is intended to supplement hazard mitigation activities, not replace the Purissima Hills Water District Hazard Mitigation Plan

#### ***Summary of Meetings***

The Local Planning Team met on May 1, 2013 to discuss the annex development process. The City's Contractor provided an overview of the requirements for hazard mitigation planning and the options for developing a single jurisdiction plan vs an annex to the County's hazard mitigation plan as well as the benefits of linking the mitigation plan to the City's General Plan Safety Element to comply with Assembly Bill 2140. The Planning Team agreed to develop this annex as part of the County's hazard mitigation plan with the intent of participating collaboratively with the other jurisdictions for the next county-wide hazard mitigation plan update.

The Planning Team approved a drafted online survey and identified multiple avenues for encouraging participation in the survey requesting public input regarding hazard risk. A draft

schedule was developed for completing the annex development and processing the required adoption and approvals.

The Planning Team identified priority hazards for Los Altos Hills and discussed progress to date with mitigation activities. The complete meeting notes are included in Los Altos Hills Attachment 4: Meeting Documentation of this annex.

The Local Planning Team met for a second time on July 30, 2013 to discuss the initial draft of this annex, collaboratively develop the mitigation strategy, and confirm a process for maintaining this annex.

### 23.3.1 Public Outreach

#### *Online Survey*

The Town of Los Altos Hills notified residents and businesses of the hazard mitigation planning process by issuing a press release and encouraging public participation via an online survey discussed in Section 3.2.6 in the County Annex. A copy of the survey is included in Los Altos Hills Attachment 1: Outreach Materials. The following media was utilized:

- Email distribution to CERT members
- Email distribution to 1,400 community members interested in notifications from the Town of Los Altos Hills
- Advertisement in Town Crier (local newspaper)
- Article published online in The Patch (<http://losaltos.patch.com>)
- Survey link and press release posted on main city website ([www.losaltoshills.ca.gov](http://www.losaltoshills.ca.gov))

The press release was issued on May 21, 2013 and posted to the City's website at that time. Email distributions and postings in the local newspapers followed. The survey was closed on June 21, 2013. Copies of the outreach announcements are included in Section 23.7, Los Altos Hills Attachment 1: Outreach Materials.

#### *Survey Results*

On November 1, 2010, the County's Hazard Mitigation Planning Team released an online survey to solicit public input regarding concerns for hazard risk. Two out of the 541 respondents were from the Town of Los Altos Hills. On May 21, 2013, the Town of Los Altos Hills re-released the survey with focused distribution to residents of Los Altos Hills. An additional 159 responses were received. It should be noted that of the 159 responses 2 respondents live in the City of Los Altos and 4 respondents live in the County of Santa Clara unincorporated area. These respondents are included in the summary because they responded to the survey with clear interest in the Town of Los Altos Hills. The survey responses received regarding the Town of Los Altos Hills are summarized as follows:

1. Respondents were asked which five hazards, out of the 31 hazards the County identified, are of most concern to their neighborhood or home. Below are responses from the Town of Los Altos Hills respondents (in order of most responses):

**Table 23-1: Hazards of Most Concern**

Hazard		Number of Responses
1	Earthquake: Ground Shaking	118
2	Wildfire	110
3	Infrastructure: Water System Disruption (no potable water)	106
4	Infrastructure: Electrical System Disruption (no power)	100
5	Infrastructure: Telecommunication System Disruption (no phone / cell service)	46
6	Drought	39
7	Earthquake: Landslides	38
8	Infrastructure: Transportation Disruption (blocked roads / failed bridges)	37
9	Infrastructure: Energy System Disruption (no gas)	28
10	Earthquake: Surface Rupture	27
11	Agricultural Pests and Diseases	22
12	Wind (high winds)	22
13	Infrastructure: Wastewater System Disruption (sewer backup)	18
14	Disease and Outbreak	14
15	Landslide and Debris flow	12
16	Earthquake: Liquefaction	7
17	Flood	6
18	Expansive Soils	5
19	Heat (extreme heat)	5
20	Freeze	2
21	Hazardous Materials Spills (chemical/biological)	2
22	Land Subsidence (soil compaction due to subsurface water removal)	1
23	Thunder/Lightning Storms	1
24	Bay Area Silting	0
25	Dam Failure	0
26	Delta Levee Failure	0
27	Hailstorm	0
28	Solar Storm	0
29	Tornado	0
30	Tsunami	0
31	Volcano	0

2. Respondents noted the following additional hazards: pesticides sprayed on local hillsides for grape agriculture, hillside fires, unstable telephone poles, poison oak, security of property, falling trees (notably eucalyptus), wildlife (such as deer, mountain lions, cougars, rattlesnakes), air pollution, lack of available / affordable insurance against many of these hazards, crows/rodents killing native species, high taxes, vandalism, and epidemic.

3. Respondents were asked if a severe hazard event occurred today, such that all services were cut off from their home and they were unable to leave or access a store for 72 hours, which items they would have readily available. Below is a summary of responses from the Town of Los Altos Hills respondents:

**Table 23-2: Items Readily Available to Respondents**

Item that is Readily Available	Responses
Flashlight (with batteries)	156
First Aid Kit	145
Blanket(s)	145
Canned / Non-perishable Foods (ready to eat)	135
Portable AM/FM Radio (solar powered, hand crank, or batteries)	126
Potable Water (3 gallons per person)	115
Cash	114
Extra Medications	99
Handheld "Walkie-Talkie" Radios (with batteries)	54
What else do you have in your emergency kit?	54
Important Family Photos/Documentation in a water and fire proof container	47

Respondents noted the following additional items in their emergency kits: Portable toilet, sleeping bags, tents, bolt cutters, CERT backpack, pet food, Prayer, electrical generator, water purification equipment, candles, extra batteries, clothes, emergency kit (red cross or provided by fire department), shoes / boots, rain gear, hand tools, buckets, Tanked-up automobile, solar blanket, matches, fresh eggs, chain saw, camping gear, portable stoves, 4wd truck, freeze-dried backpacking food, gas-powered tools, bicycle for transportation, gloves, can opener, significant edible landscaping (fruits & vegetables), toiletries, Guns and ammo, spare glasses, flashlights / lighting / light stick, tool to turn off gas, toilet paper, hand sanitizer, diapers, water, honey from backyard beekeeping, crowbar, duct tape, knife, tarps, compass, topographical maps, firewood, propane gas, solar electricity, masks, sun block, insect repellent, shovel, multi-tool (Leatherman), and HAM radios.

4. Respondents were asked if they were familiar with the special needs of their neighbors in the event of a disaster situation.
- 115, or **71%** of respondents, answered that they **are not** familiar with the special needs of their neighbors.
  - 41, or **26%** of respondents, answered that they **are** familiar with the special needs of their neighbors.
5. Respondents were asked if they are trained members of their Community Emergency Response Team (CERT).
- 46, or **29%** of respondents indicated that they **are part of CERT**.
  - 42, or **26%** of respondents, indicated that they are not part of CERT, but **would like to learn more about CERT**.

- 66 of the respondents indicated that they are not part of CERT and **are not interested** in being a trained CERT member.

Respondents were asked to share why they are a trained CERT member, or why they are not part of CERT. The following responses explained why people are not part of CERT: too busy, frequent extended travel, just heard about CERT, too old, will take too much time to be trained, difficult to fit the CERT training into my schedule, would like to have an online CERT training option.

The following responses explained why people are trained CERT members: to help myself, my family and my neighbors; to help the people who are in need at the time of disaster; serving my community is very important to me; need to be self-sufficient for 72-hours as an entire town which means we need to have trained folks at the ready.

6. Respondents were asked to identify the most important things local government can do to help communities be more prepared for a disaster. The following summarizes the 114 responses received:

<b>Summary of Responses – Important Things Local Government Can do to Help Prepare</b>
Preventive type of preparation to steer clear of potential disasters, especially in the routine maintenance and repairs of infrastructure weakness.
Produce a small handbook which spells out options. If X happens do this ...
Visit everyone and talk to them about it and help them be prepared.
Ensure that roads out of my neighborhood remain passable during an emergency, particularly fire or landslide
Communicate / Provide Information / Marketing
Make sure they can take care of themselves and pets for 72 hours
Establish a rapid response communication system to let citizens know what is happening.
Keep trees trimmed so they will not fall or branches break off in storms. Underground wires where reasonable.
Organizations like CERT / Nextdoor Neighborhood groups
Create earthquake proof emergency potable water supply.
Provide safety checklists
Have a emergency plan and communication backup
Trim eucalyptus trees owned by City which are a fire hazard and hazard in high winds
Train citizens on first aid and survival tactics
Work with local schools to provide disaster planning education and to ensure the schools communicate clearly to parents what to do in the event of disaster while kids are in school.
Haul away owner-cut trees and brush as currently
Make sure community infrastructure is up to date and continue to remind residents of how to prepare for disaster
Fire prevention officials should be more aggressive in forcing the clearing of grass, brush, and dead trees from property.
Centralized Internet collection of on-going emergency events, e.g., one place to go to get fire fighting reports, power outages, aggregated from diverse services.
Improved cell coverage in Los Altos Hills.
Infrastructure reinforcement.

Summary of Responses – Important Things Local Government Can do to Help Prepare
Keep a central inventory of emergency supplies, shelter, and vehicles ready for any needed rescue / extraction.
Hold educational seminars. Let people know that having attended a seminar gives you higher priority following a disaster.
Support ham radio operators.
Encourage Caltrans and the county to clear Matadero Creek of dead trees and brush, especially near Page Mill and Arastradero near 280. Cars are parking on the north side of Page Mill across from the Park and Ride--all it will take is one spark to cause a fire.
Be ready to serve those in need
keep infrastructure in good shape
Use controlled burns to lessen the danger of fire
designated shelters in place
Information available for additional resources/help, gathering place for assistance
Have safe roads, so emergency vehicles can enter.
Provide disaster relief to those in need.
Marshall an effective first responder response in the minimum time possible.
Have supplies available and medical personnel
Make it easy for households to prepare / obtain a kit of emergency supplies; e.g. offer kits for sale in city hall offices.
Try this: a town-wide "sleep in your backyard" night. Good test to see if people are able and willing.
Survey seniors who are homebound
Provide for notification of relatives
Make people aware that they need to take responsibility for themselves, their families, and possibly their neighbors in the event of a disaster.
Educate and encourage people to have emergency supplies on hand.
Make sure CERT, hams and Town EOC are effectively working together/prepared
Free or low cost education and mitigation supplies (water storage containers, sandbags, etc)
Make a plan for recovery, not just response.
Prevent looting and anarchy.

7. Respondents were asked if they live in an apartment building or home with a living space above a garage or parking area.

- 129, or **80%** of respondents indicated that they **do not** live in an apartment or home with living space above a garage or parking area.
- 29, or **18%** of respondents, indicated that they **do** live in an apartment building or home with living space above a garage or parking area.
- 3 respondent(s) skipped this question.

Those respondents who indicated that they do live in an apartment building or home with living space above the garage or parking area were asked to describe their level of concern for the building to collapse in a large earthquake event. Two respondents noted they have “High Concern”, six respondents indicated that they have “Moderate Concern”, while 21 respondents indicated that they have “Little or No Concern”.

Note: The Los Altos Hills Planning Commission confirmed there are no apartment buildings within the limits of Los Altos Hills. For future iterations of this survey, the question may be revised as appropriate.

8. Respondents who are homeowners were asked if they have adequate homeowners insurance to cover the hazards that could impact their home. Below is a summary of responses:

**Table 23-3: Adequate Homeowners Insurance**

Answer	Responses
Yes, my insurance coverage should be adequate	129
No, I don't believe my insurance coverage would be adequate for a major disaster	20
Unsure	4
I do not have an insurance policy	0
Not applicable, I rent my current residence	3

9. Respondents were asked if they have earthquake insurance. Below is a summary of responses:

**Table 23-4: Earthquake Insurance**

Answer	Responses
Yes, I own my home and have earthquake insurance.	57
Yes, I rent my home and have earthquake insurance.	1
No, but I am interested in reviewing earthquake insurance options.	11
No, earthquake insurance is too expensive.	74
No, I do not need earthquake insurance.	14

10. Respondents were asked if they have flood insurance. Below is a summary of responses:

**Table 23-5: Flood Insurance**

Answer	Responses
Yes, I own my home and have flood insurance.	17
Yes, I rent my home and have flood insurance.	2
No, but I am interested in reviewing flood insurance options.	6
No, I do not need flood insurance	132

11. Respondents indicated the following as additional insurance listed for their home or property: Homeowners policy covering fire and theft, liability, property, umbrella policy, utility system failure, replacement, wild fire, comprehensive renter's, sewer pump backup, building code upgrade.

12. Respondents were asked what they are doing to their property or within their home to reduce future damage from the hazards identified above. Below is a summary of responses:

**Table 23-6: Property Changes to Reduce Future Damage from Hazards**

<b>Property Mitigation</b>	<b>Responses</b>
Seismic retrofit of the structure and/or foundation	55
Roof retrofit using fire resistant material	84
Other *	22
Installed backflow prevention devices	39
Defensible space landscaping (clear vegetation around house to reduce wildfire risk)	107
Strengthened Openings (to reduce high hazard wind risk)	25
House elevation or first floor modification to prevent flood damage	6

\*The responses to “Other” were:

House bolted to foundation. Flood wall constructed
Structural plywood on entire house both exterior and interior and 4x4 studs instead of 2x4. This will be the last house to collapse or burn since the gas cutoff is easily accessible and pipe wrench nearby.
House was designed to resist earthquake shaking; house is on piers because of expansive soils.
My house was retrofitted by my insurance after the 1989 earthquake but I don't know how well.
House was built using design for earthquakes...foundations are very special and done by the company that designs our IC facilities
Our house is so old; it'd be a teardown if damaged.
Insects: Mosquito and Yellow Jacket control. Drought: Pool as water reserve. Native plants. No lawn. Gas disruption: Supplemental solar water heating, supplemental electric house heating. Wildfire: Pool as water reserve. Defensible space pruning. Weed clearing. Class A roof.
Made house more rodent resistant.
<b>HOUSE DESIGNED TO MEET ADVANCED REQUIREMENTS FOR EARTHQUAKES</b>
Bolted upright pieces of furniture to the wall. Foundation and water heaters are appropriately "tied down."
House was designed to withstand an earthquake of the strength of 8.0 on the Richter scale.
Cleared brush around the property.
Fire door leading to garage
house built in 2004 to current earthquake standards
Water tank is strapped. Bookcases are secured. We went through Loma Prieta. Kitchen cabinets have quake fasteners. I keep a slip lead hooked on my bed frame for my dog. More little things than big things.
I have a neighbor's grove of 100 foot plus redwoods within 20 feet of my home, one has already fallen over in a severe storm, it only damaged one of my oak trees. I am trying to work with them on this ongoing issue. I feel if we were to have a fire here in the hills, or another severe wind storm, my family or my property could be affected
Our house is all up to date.

THISTLES : In LAH, we are required to lower the dry grass in our fields by July. However, well before we are required to plow our fields, thistles have gone to seed. Thistles are the tallest, most persistent and hearty potentially dry plants in our area and I'm seeing more and more in LAH; we are infecting each others properties by not destroying them well before they go to seed but I think people let them go too long so they won't have to cut them down twice. I would appreciate advice on how to keep thistles down.

Extensive remodel in 2001/2 addressed very deep piling and tie-down work; on septic system

Would like to add steel framework around 3 garage door openings to deal with shear loads.

13. Respondents were asked if they work in Santa Clara County.

- 67, or **42%** of respondents, indicated that they **do** work in Santa Clara County.
- 88, or **55%** of respondents, indicated that they **do not** work in Santa Clara County.

14. Respondents were asked if their place of work is in an area susceptible to natural hazards.

Below is a list of natural hazards and responses from survey respondents:

**Table 23-7: Place of Work in Hazard Areas**

Natural Hazard	Response
Earthquake fault zone	47
Other *	29
High-risk flood zone	7
I don't know	28
Liquefaction zone	9
Landslide Risk Area	3
Wildland Urban Interface (wildfire risk area)	17

\* The responses to "other" were: retired, work at home, high winds.

15. Respondents were asked if their employer has a plan for disaster recovery in place.

- 47, or **29%** of respondents, **indicated that their employer does have a disaster recovery plan in place.**
- 19, or **12%** of respondents, **indicated that their employer does not have a disaster recovery plan in place.**
- 68 respondents skipped this question.

16. Respondents were asked if their employer has a workforce communications plan to implement following a disaster so they may contact their employees.

- 41, or **26%** of respondents indicated that their **employer does** have a workforce communications plan.
- 24, or **15%** of respondents indicated that their **employer does not** have a workforce communications plan.

- 28, or **17%** of respondents indicated that they are **unsure** if their employer has a workforce communications plan.
- 68 respondents skipped this question.

17. Respondents were asked to list any studies that they are aware of being conducted within their community or the county regarding the risk to future hazard events. 19 respondents replied to this question. These answers are summarized below. 142 respondents skipped this question.

- USGS has slope stability, earthquake shaking, and ground rupture maps for parts of Los Altos Hills
- Dam analysis resulting in lowering of water levels in some dams (Lexington & Steven's Creek I think, probably others like Anderson as well).
- See <http://www.stanford.edu/~learnest/lah/quake.htm>
- Soft story inventory, seismic hazard maps

18. Respondents were asked what recommendations they have for local government to improve identification, prioritization, and implementation of actions intended to reduce future damage and increase resiliency. The following recommendations were received:

- Emergency shelter
- Neighborhood preparedness meetings
- Communication is most important so you are not inundated with requests. Perhaps a message board at Town Hall for posting and receiving messages and someone or two on each block to get the information and post requests.
- Keep roads repaired, maintained. Keep trees and bushes trimmed back away from roads and overhead wires.
- Clearing a defensible area around your home needs to be stricter on slopes as fires can jump by more than 10 feet on uphill slopes and more than 30 feet in high winds.
- Reduce fire load in Los Altos Hills through trimming and control burns every year
- A global network of specially-instrumented satellites is needed. Local governments could create localized monitoring as a first step.
- underground power lines
- Offer some property tax relief to homeowners who complete a seismic retrofit.
- Assist homeowners in each Zone to become aware of narrow streets and the need to keep them open for emergency personnel.
- Improve cell phone coverage in Los Altos Hills.
- We are new to the west coast and could really benefit from the basics (e.g. what to do during and after an earthquake).
- Communications/websites for latest disaster information
- Agree as a town government on the infrastructure items to be monitored/checked in an emergency

- You should send an inspection team, if requested, to every home to point out what can be done to be as safe as possible. For wildfire, you could have kits for houses near hydrants so the homes could be foamed quickly. In a disaster fire they won't be enough water pressure via home service to fire foam a home.

19. Respondents were asked to recommend any companies or local associations that should be involved in the Town of Los Altos Hills hazard mitigation planning process. The recommended organizations are listed below and were given the opportunity to review the draft plan as noted in the following section.

- Hills 2000
- USGS Menlo Park
- Boy Scouts of America

20. Respondents were asked if they would like to review and comment on a draft of the Town of Los Altos Hills Hazard Mitigation Plan.

- 63, or **39%** of respondents **said they would** like to review and comment on the draft plan.
- 74, or **46%** of respondents **said they would not** like to review and comment on the plan draft.
- 24 respondents skipped this question.
- 49 respondents who said they would like to review and comment on the draft plan included their contact information and were given the opportunity to review the draft plan as noted in the following section.

21. Respondents were asked to provide any additional comments/suggestions/questions. The responses are summarized below:

<b>Additional Comments</b>
Have provisions and someone to look after the seniors or those who have limited mobility. Let people volunteer if they have extra lodging that could be provided in an emergency for free or at a reasonable rate.
Fire is probably a higher risk for LAH than earthquakes. There are some emergency evacuation roads in the town, but not everyone knows where they are--and they are not marked. Certain areas of town do not have evacuation roads (though some pathways could be used in an emergency). The town should be looking at each zone to see what needs to be done to enable the residents to safely evacuate an area while not making the zone susceptible to intrusion (burglaries).
Most of these roads are blocked by fences with chains and padlocks. You need a bolt cutter to get through these. A better solution would be to have "break away" padlocks--where you can break it with a large rock.
View properties not compliant with fire safety laws

<b>Additional Comments</b>
What protection do we have in LAH against civil disorders, robbing, looting and shootings? Our public safety in the small town is more threatened by criminal elements than an earthquake.... How can we be better protected from criminal elements...both during a disaster and even now?
Monster wildfires are started at the top of vegetation. Created dry conditions make burning easy of all vegetation making a source of fire difficult, if not impossible, to identify.
How to remove live stock and or animals from our property in an emergency
fire and earthquake are by far the greatest threats. The large deductible for earthquake insurance makes seismic strengthening a more practical course of action.
Electrical power is key as can be seen from the issues back east. We do not have the cold but everything else. Plus it looks so much better with no disaster. We lose power with wind, car accident, rain etc. Most things of importance demand electricity somehow.
Soil erosion is an ongoing problem.
<b>NEED TO WORK HARDER ON EUCALYPTUS ELIMINATION.</b>
We have ham radio operators in the area. There should be at least two designated CERT members who communicate with them during emergency events. The CERT members should be identified to the residents in their Zone.
Most Los Altos Hills residents do not know the town has fire zones, much less the one to which they belong. Zone "block parties" should be encouraged.
Living on a ridge as we do on La Cresta Drive can be more hazardous than living in the flat lands in a severe earthquake, as was the result in the Loma Prieta Earthquake.
Fire District does a great job with free chipping and other fire prevention measures.
I live in an area of LAH, which I have never been told is actually in the so called city limits & there are no thru streets. A blocked road on either Magdalena or Blandor Way, or even Olive Tree Ct, would strand us up here.
Knowing where physicians live (and if they have had training are willing to help post disaster) could be useful. I'm a pediatrician myself and would be interested in helping.
Know there are plans for disaster response... would like to know of a website to access for the information
I wish our neighborhood had an email group. Maybe it would be good to have little block parties or bbqs to get all the neighbors talking to each other. You care more about people you know.
FIRE is a big concern and there are LOTS of dead pine trees around... three at the ElMonte/280 off ramp.
Eucalyptus trees along the roads, one has already killed a bike rider in a storm, when a large branch fell on him.
I suggest clarifying your objectives and developing a separate set for each subcategory of potential hazard. I would also suggest evaluating what skills and advantages the Town has compared with other agencies and local resources.
Have 97-year old live-in mother-in-law. Would be good to know of others in neighborhood who might need special assistance. Likewise on knowing who has special equipment like tractors, backhoes, generators, ham radios....

### Additional Comments

Experience in CO with Pine Bark Beetles and the condition of the national forests from Canada to Mexico leads to a huge risk in the rural/urban interface areas, such as the recent fire near Boulder CO. Dead and Invested trees should be taken down, bark stripped and removed. Leaving them standing till they fall creates a huge fuel mass on ground and an even worse disaster when fire does come, as it surely does in the mountains. Claiming it is 'natural' is ducking the issue to manage the forest responsibly for healthy growth, use, and safety. CA has much the same problem with forests.

Consider an annual "check your kit" day in Fall before the rainy season to have people go through the kits for perishables - radios, batteries, food packs, etc. I recommend tying this into back to school season - lets the kids assist with this little project as it is useful and educational. There are millions of them, making them a force multiplier for the public sector emergency people who are NOT used to marketing and public education roles.

#### ***Public Comment***

In addition to responses to the survey, the City received one public comment.

#### ***Review Opportunities***

On September 20<sup>th</sup>, 2013 the Town of Los Altos Hills released a public review draft of this plan with an open comment period through October 18, 2013. The Town issued a press release and posted the draft plan on the Town's website for interested parties to download and review. In addition an email notification was distributed to identified stakeholders and interested members of the community, including those folks who indicated in their survey response they would like to review and comment on the draft.

On October 3, 2013 the draft plan was presented to the Planning Commission in a regularly scheduled and publicly noticed meeting. At this meeting two members of the public provided verbal comment on the plan. Additionally, comments from the Planning Commissioners were collected. These comments have been incorporated as appropriate.

## **23.4 CAPABILITY ASSESSMENT**

### **23.4.1 Mitigation Priorities**

#### ***23.4.1.1 Hazard Priorities***

The Local Planning team identified the following hazard priorities specific to Los Altos Hills:

- Potential for an earthquake and subsequent landslides which may damage public infrastructure such as water tanks, pumps, sewers, roads, etc.
- Localized flooding on private property.
- Wildfire. Two-thirds of the Town is in the Wildland Urban Interface area. (The General Plan Safety Element addresses this.) Areas west of Highway 280 are the largest concern

for wildfire vulnerability with the exception of the Sunset Drive neighborhood where narrow winding roads present access challenges for fire suppression vehicles.

- Falling trees due to heavy winds.

Specific mitigation activities the Town of Los Altos Hills has identified for potential implementation in the next five years are discussed in Section 23.5.

#### ***23.4.1.2 ABAG Strategy Rankings***

The Town of Los Altos Hills participated in ABAG's revision of the regional strategies for development of this annex. Appendix G of Taming Natural Hazards presents a summary list of mitigation strategies with regional priorities and the hazards mitigated.

The Town ranked those strategies in a spreadsheet provided by ABAG using the following scale:

- Existing Program
- Existing Program, Underfunded
- Very High – Unofficial Program – Becomes Official on Plan Adoption, No Funding Needed
- High – Actively Looking for Funding
- Moderate
- Under Study
- Not Applicable, Not Appropriate, or Not Cost Effective
- Not Yet Considered

Complete results of this ranking may be viewed online

at <http://www.abag.ca.gov/bayarea/eqmaps/mitigation/strategy.html>. The Town of Los Altos Hills identified numerous “existing programs” among the regional strategies which are currently being implemented within the Town. These include complying with applicable building and fire codes as well as completing pertinent seismic retrofits. Using the regional listing of strategies, the Town identified many high or moderate priority mitigation strategies which would help to reduce risk and increase resiliency within Los Altos Hills. Since these were identified and submitted to ABAG in 2009, the Local Planning Team took this opportunity to review them and develop specific comments for inclusion in this annex. A summary of these programs and strategies is presented in Los Altos Attachment 2: Los Altos Hills Strategies 2010, in Section 23.7.

#### ***23.4.1.3 Completed mitigation activities***

In 2012, the Town of Los Altos Hills completed two road stabilization projects by installing concrete piers to prevent the roads from sliding: A section of Elena Road south-east of Foothill Lane involved the installation of 110 piers and a section of Page Mill Road north of Baleri Ranch Road involved the installation of 27 piers.

As a policy, the Town's consulting geologist puts in testing equipment to monitor the rate of creep in roads where cracking is identified. This enables the Town to prioritize road stabilization projects.

To prevent wildfire, the Los Altos Hills County Fire District (LAHCFD) has conducted dead pine tree removal, eucalyptus removal and brush removal west of Highway 280. The LAHCFD also runs a brush chipping program and roadside vegetation removal efforts. The 1985 fire in Los Altos Hills is still a reminder to residents that vegetation management is critical. The Fire District has extra personnel on duty during fire season including a roving fire truck.

In 2012, the LAHCFD completed a road survey to identify areas potentially inaccessible by fire apparatus. The results of this survey are included as Attachment 5: Street Survey.

As noted in the Los Altos Hills General Plan Circulation Element, emergency roads are designed to provide secondary emergency access to residential areas. These roadways, which are usually one lane in width and improved only to fire standards, are closed to all except emergency traffic. In the case where these roadways are gated, the Fire District and Community Emergency Response Team (CERT) have keys to open these gates. Most of these roads are located on private property and are primarily intended for emergency vehicle access. However, these access easements may also serve as alternate evacuation routes. Figure 23-1, taken from the Circulation Element, shows the locations of emergency access roads within Los Altos Hills.

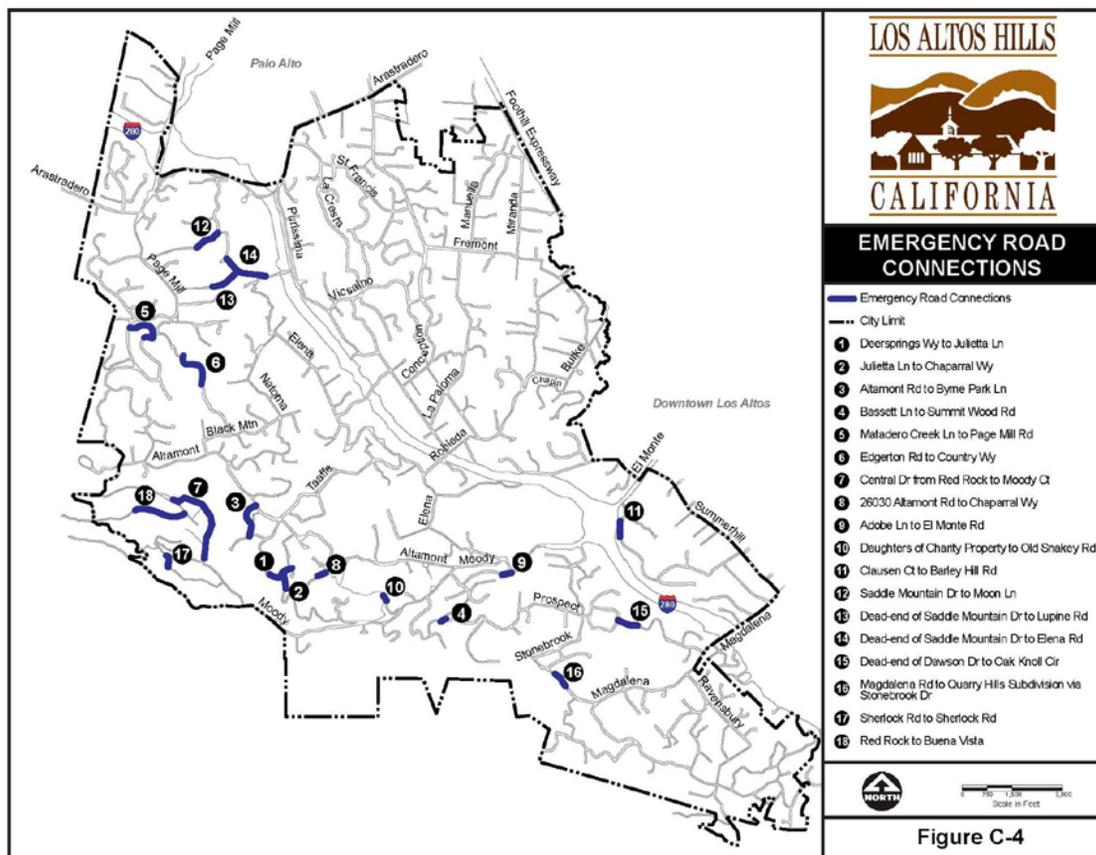


Figure 23-1: Emergency Road Connections

The Town website has been updated to include comprehensive resources regarding emergency preparedness.

A seismic evaluation of the Heritage House EOC was completed and alternate EOC locations have been identified.

In 2009-10, the Westwind Community Barn and in 2011-12, the Town’s Corporation Yard were seismically retrofitted.

Design work has been completed for reducing erosion along Matadero Creek on Page Mill Road. The road has been stabilized and erosion control measures may be taken based upon the completed design work.

**23.4.1.4 Current mitigation activities**

The Town conducts an annual tree evaluation on major roadways and pathways. The trees are ranked based on the level of distress. This evaluation helps identify trees likely to fall in strong winds or storm conditions.

**23.4.2 Staff and Organizational Capabilities**

**23.4.2.1 Departmental Responsibilities**

The Town of Los Altos Hills operates several departments with capabilities for implementing hazard mitigation strategies. These departments and their roles and responsibilities are summarized in the following table.

**Table 23-8: Key Departments in the Town of Los Altos Hills**

<b>Departments</b>
<p><b>City Manager</b>                      The City Manager serves as the Director of Emergency Services in addition to regular administrative responsibility and authority to ensure that the laws and ordinances of the Town are enforced. The City Manager is responsible for managing and giving direction to all department heads except the City Attorney. Major responsibilities include: recommending adoption of ordinances and resolutions to execute the City Council’s policies, advising the City Council of the fiscal condition of the Town, preparing the annual budget and Capital Improvement Plan, and exercising supervision over all public buildings, parks, and other public property under Town control.</p>
<p><b>Planning and Building Department</b>                      The Department administers policies guiding development and building within the Town. They review proposed development for compliance with the Town’s General Plan and Zoning Ordinance and prepare and update long range planning and policy documents such as the General Plan. The Department provides support to the Planning Commission and City Council on development and land use matters and coordinates with the Pathways, Environmental Design and Protection, and Open Space committees in reviewing development permit applications. The Building Division reviews architectural and structural plans for compliance with applicable building, plumbing, electrical, mechanical, and energy codes, and conducts site inspections of buildings under construction to ensure compliance with these codes.</p>

**Departments**

**City Engineer and Public Works Department**

The Public Works Department is responsible for major capital projects as well as maintaining, inspecting, and reviewing construction and repairs associated with the Town’s municipal infrastructure. The department is headed by the City Engineer and the Public Works Director. The Department provides technical support to residents, contractors, consultants, and other Town departments, boards, and agencies regarding the installation and development of roads, sewers, drains, and capital improvement projects. Responsibilities also include designing, permitting, reviewing, inspecting, monitoring, and repairing the Town’s sewers, drainage systems, roads, and pathways.

Additionally, for more than 30 years, the Town has retained a geologist to provide geotechnical analysis on most site development permits and subdivisions.

In addition to the departments listed in the table above, the Town of Los Altos Hills contracts with the Santa Clara County Sheriff’s Department for law enforcement and public safety services. Fire protection, public education, and CERT volunteer training is provided by the Los Altos Hills County Fire District. The District contracts with the Santa Clara County Fire Department for services. The Town contracts with an emergency management consultant to oversee a comprehensive emergency management program. In addition to the police, fire, and disaster services Los Altos Hills receives from outside agencies, Town staff and the Emergency Communication Committee work together with the City Council to address emergency communications planning and training. The goal of the Town is to ensure that the community is organized and ready for an emergency.

With a clear hazard mitigation strategy, as outlined in this Local Hazard Mitigation Plan, the Town’s departments are able to implement their ongoing policies and programs with consideration of the identified hazard risks. In addition, these departments become aware of priority mitigation actions and can offer resources (financial or staffing) to assist with the implementation of those actions.

**23.4.2.2 Technical Capability**

For a successful mitigation program, it is necessary to have a diverse breadth of technical capabilities. Planners, engineers, building inspectors, emergency managers, floodplain managers, people familiar with Geographic Information Systems (GIS), and grant writers are all essential to implementing mitigation actions. The following table summarizes the technical capabilities among staff within the Town of Los Altos Hills.

**Table 23-9: Technical Capability Matrix**

<b>Technical Capability</b>	<b>Department</b>
<i>Land Use Planners</i>	Planning and Building Department
<i>Civil or Building Engineers</i>	City Engineer and Public Works Department
<i>Floodplain Manager</i>	City Engineer
<i>Emergency Management</i>	City Manager
<i>GIS staff</i>	Purissima Hills Water District GIS staff
<i>Grant writers</i>	Emergency Management Consultant

In addition, the Town contracts with an emergency telephone notification system, called Rapid Notify. Emergency notifications are also available through the Town’s website, at <http://www.losaltoshills.ca.gov/>. The Town’s backup notification system is Santa Clara County’s

notification system, Alert SCC. Radio stations, such as KFJC 89.7 FM, help keep residents updated after a disaster strikes. The Los Altos Hills Emergency Communications Committee coordinates the Town’s ham radio communications for disaster response. Local ham radio operators can report emergencies and provide vital communication links between neighborhoods, first responders, and government entities. The Los Altos Hills County Fire District offers a free course in personal preparedness and coordinates CERT training.

**23.4.2.3 Fiscal Capability**

In June 2013, the Town of Los Altos Hills adopted the 2013 – 2014 Operating and Capital Improvement Program Budget and Employee Compensation Plan for fiscal year 2013 - 2014. This budget sets an appropriation limit of \$5,729,308.

The budget estimates \$4,529,100 in tax proceeds including property and sales taxes.

Appropriations supported by tax proceeds				
Administration	Committees and Grants	Public Safety	Planning, Building, Engineering	Parks and Recreation
\$1,314,725	\$177,056	\$1,097,853	\$623,332	\$310,966

**23.4.2.4 Policy or Program Capability**

The Town of Los Altos Hills has several plans and ordinances in place which provide ample opportunities for implementing the hazard mitigation strategies outlined in this plan.

**23.4.2.4.1 Summary of Plans that Support Hazard Mitigation**

***Emergency Operations Plan (EOP)***

Updated in December 2009, the Town’s Emergency Operations Plan is designed to organize and guide the Town’s response to major emergency situations associated with natural disasters, technological incidents, and national security emergencies. The Plan outlines the authority, responsibilities, functions, and operations for the Town government during emergencies. It also addresses mutual aid agreements with other state and local agencies. A plan for the continuity of government is also located within the EOP.

***General Plan***

**Land Use and Housing Elements**

The topography of Los Altos Hills provides significant constraints to development such as steep slopes, unstable soils, seismic faults, and other natural hazards. Three major faults, the Berrocal, Altamont, and Monte Vista, all traverse the Town and are categorized as potentially active. The effects of a significant seismic event would be most intense on lands with steep slopes and weak soils, which represent much of the undeveloped land in the Town’s planning area. Town regulations require that the density of dwelling units decrease as the steepness of land increases. Both hillside protection and slope density standards are described in the General Plan’s Land Use Element.

Appendix A includes guidelines from the USGS. In addition, site specific geologic investigations should be conducted on proposed building sites.

The Housing Element depicts that topographic characteristics in Los Altos Hills inhibit housing production in some areas due to unsafe or difficult development conditions, including flooding, seismic motion, steep slopes, and soil instability. The Town's topography also affects the affordability of homes due to added costs created by different and more costly construction techniques required to address the setting such as additional engineering, grading, soil stabilization, non-traditional foundation systems, and site access.

In addition, residential construction along creeks and within delineated flood zone areas is restricted by federal and local regulations to minimize erosion, maintain the natural creek characteristics, and to ensure safe housing conditions. The valley bottoms present some of the more level areas of land, and would otherwise be some of the least expensive lands to develop due to the absence of extreme slope conditions. However, because of the flood hazard conditions on many of the valley floors, the cost of construction is higher due to the need to account for drainage and flood control, a cost which is passed on to the home buyer, as well as the requirement that the home buyer acquire Federal flood insurance, at a substantial additional cost.

Areas subject to flooding are found in Appendix B "FEMA Flood Map" of the General Plan. Silt and debris in the storm drain system can cause water to back up and flood surrounding areas. Although regular maintenance helps prevent flooding problems, in some cases the repair of deteriorated facilities and construction of new facilities are needed. The Storm Drainage Master Plan prepared in November 2004 identifies the location of drainage problem areas in the Town and proposes solutions ranging from the installation of new pipes and catch basins to the regrading of ditches and provision of riprap protection. The Master Plan ranks the proposed projects in order of priority and estimates the costs involved. Each year the Town adopts a Capital Improvement Program that includes some of these projects and budgets for their completion.

Wildland fire is also an issue in the development of Los Altos Hills' lands. Steep terrain and extensive vegetation combine to create a setting which must be carefully evaluated and mitigated in the approval of new residential development. The Town often requires mitigation of the potential exposure of residential units to areas of relatively high fire danger, which tends to further increase the cost of residential development. Also, narrow roads, necessitated by the extensive steep terrain as a means of avoiding severe grading and leveling of the natural terrain, make access to the hillsides difficult for fire suppression.

The Land Use and Housing elements also provide information on population and housing growth within the Town. With limited land available for additional housing and only slight possibility of change on non-residential parcels, Los Altos Hills is almost fully developed. However, in addition to infill development on vacant lots, redevelopment is occurring as existing residences are torn down and replaced with new homes. The current trend is to develop residences that maximize the square footage allowed under floor area and development area regulations established by the Town's Zoning Ordinance.

Conservation Element

The amount of available water is constrained. The Purissima Hills Water District obtains water from San Francisco’s Hetch Hetchy system. The District is exceeding its supply assurance by 5-20 percent since 2009. Capacity limitations in the Hetch Hetchy system may be an issue, however recent conservation efforts have been successful in delaying the impact. Drought is always an issue for the Town. Water suppliers provide guidance to users on how to conserve water and promote water quality. The Land Use Element suggests that the Town encourages the installation of drought-tolerant landscaping and other methods of reducing water use for landscaping. The Conservation Element encourages the reduction of vegetation removal and promotion of replanting to maintain soil stability and prevent erosion.

Safety Element

The Safety Element identifies safety hazards and establishes goals, policies and programs that protect the community from natural hazards such as earthquakes, landslides, flooding, and wildfires. The Safety Element also addresses human-caused threats to public safety such as structural fires, crime, and hazardous waste. While the Safety Element has implications for land use policy, it also provides direction for needed actions in other aspects of Town government. It is important that development regulations such as zoning, subdivision, grading and building codes provide effective controls and procedures related to Safety Element policies. In addition, recommendations in the Safety Element relate to programs for disaster response and recovery, fire protection, law enforcement, and utility systems.

23.4.2.4.2 Summary of Ordinances that Support Hazard Mitigation

**Table 23-10: Summary of Ordinances that Support Hazard Mitigation**

Availability of Ordinances that Support Hazard Mitigation							
Jurisdiction	Floodplain Ordinance	Zoning Ordinance	Subdivision Ordinance	Building Code	Fire Code	National Flood Insurance Program	NFIP Community Rating System
<i>Town of Los Altos Hills</i>	Yes	Yes	Yes	Yes	Yes	Yes	No

The Town of Los Altos Hills identified several ordinances and policies currently utilized for hazard mitigation in the matrix of regional mitigation strategies prepared by ABAG as part of the 2010 plan update. Below is a summary of these key ordinances and policies.

**Building Escape or Rescue Windows**

This section of the building code requires that a clear opening is to be provided for normal operation of the opening. The opening is to be operational from inside without use of keys or tools.

### **Creeks and Riparian Areas**

The Santa Clara Valley Water Resources Protection Collaborative Guidelines and Standards for Land Use Near Streams, which the Town of Los Altos Hills adopted in 2007, define a set of best practices critical to protecting streamside properties, as well as a stream's ability to convey drainage water, recharge groundwater, and provide habitat for wildlife. The Guidelines and Standards address slope stability protection and the establishment and protection of riparian buffers. Los Altos Hills protects creeks by requiring a minimum 25-foot setback from the top of the bank. Open space easements may also be required along creek corridors. Keeping creeks banks in their natural state help promote water quality and supply and minimize downstream flood impacts.

### **Development Area Policy**

This policy, approved in 2007, limits development area on a site in an effort to protect natural features and the rural character of the Town as well as to minimize runoff and erosion concerns related to construction on slopes.

### **General Plan**

The General Plan offers policies which support and may be leveraged for implementing hazard mitigation strategies. The General Plan elements relevant to hazard mitigation are summarized in the General Plan section above.

### **High Fire Hazard Area Requirements**

This chapter of the building code outlines building standards that are to be applied to building materials, systems and/or assemblies used in the exterior design and construction of new buildings, remodels, or additions to existing buildings located within the Hazardous Fire Area as defined by the Los Altos Hills Municipal Code Section 4-2.101.

### **Los Altos Hills Municipal Code – Buildings and Construction**

The Town has adopted the 2010 California Building Code and the 2009 International Building Code.

Additionally, since the California Building Code and International Building Code were adopted, amendments were approved upgrading roof coverings to Class A, the addition of seismic evaluation and design procedures for repairs and compliance with California Building Code level seismic forces.

### **Los Altos Hills Municipal Code – Fire Code**

Title 8, Chapter 8 of the Building Code contains information on the Town's Fire Code. The Town has adopted the 2010 California Fire Code and the 2009 International Fire Code.

### **Sanitary Sewer Construction Standards**

Adopted in January of 2011, the Town ensures that sanitary sewers are designed and constructed in compliance with town standards as well as within conformance with Purissima Hills Water District and the California Water Service Company.

### **Smoke Detector**

This ordinance states that dwelling units, congregate residences and/or guest rooms that are used for sleeping purposes shall be provided with smoke detectors. Smoke detectors and inspections are required in new construction, when the valuation of an addition, alteration, or repair to a house or other residential unit exceeds \$1,000.00 and a building permit is required, or when one or more sleeping rooms are added or created in existing residential buildings.

### **Automatic Sprinkler Systems**

This ordinance states that automatic residential fire sprinkler systems shall be installed in new one and two-family dwellings or existing dwellings when additions are made that increase the building area to more than 3,600 square feet.

### **Soil Erosion and Sediment Control**

A soil erosion and sedimentation control plan must be submitted by property owners for review and approval by the City Engineer and erosion control measures outlined in the plan must conform to ABAG standards, Town standards, and the approval of the Town's Engineering Department.

All new residences or major additions in specific geologic zones, fault zones and lots with slopes greater than 15% require geotechnical and soils report prepared by a registered soils engineer and/or an engineering geologist. The Town Geologist makes site inspections to identify any potential or existing geological and geotechnical hazards.

#### **23.4.3 National Flood Insurance Program**

For decades, the national response to flood disasters was simply to provide disaster relief to flood victims. Funded by citizen tax dollars, this approach failed to reduce losses and didn't provide a way to cover the damage costs of all flood victims. To compound the problem, the public generally couldn't buy flood coverage from insurance companies, because private insurance companies consider floods too costly to insure. In the face of mounting flood losses and escalating costs of disaster relief to U.S. taxpayers, Congress established the National Flood Insurance Program (NFIP). The goals of the program are to reduce future flood damage through floodplain management, and to provide people with flood insurance. Community participation in the NFIP is voluntary.

The Town of Los Altos Hills has participated in the National Flood Insurance Program since 1974. All residents of the Town are eligible to purchase federal flood insurance. The Town continues to maintain full compliance with the NFIP. There are no significant issues related to the community's participation or the Town's implementation of the NFIP.

The Town of Los Altos Hills participates in the National Flood Insurance Program (NFIP) by:

- Delegating the City Engineer as the Floodplain Administrator
- Incorporating floodplain management practices into the review process for private development
- Maintaining and enforcing a floodplain ordinance as part of the municipal code
- Reviewing and requiring elevation certificates as needed.

#### ***23.4.3.1 Community Rating System (CRS)***

The CRS is a voluntary part of the National Flood Insurance Program that seeks to coordinate all flood-related activities, reduce flood losses, facilitate accurate insurance rating, and promote public awareness of flood insurance by creating incentives for a community to go beyond minimum floodplain management requirements. The incentives are in the form of insurance premium discounts. CRS ratings are on a 10-point scale (from 10 to 1, with 1 being the best rating), with residents of the community who live within FEMA’s Special Flood Hazard Areas (SFHA) receiving a 5% reduction in flood insurance rates for every Class improvement in the community’s CRS rating.

The Town of Los Altos Hills has not joined the Community Rating System.

All insurance rates are based on where the structure is located in FEMA’s Flood Insurance Rate Maps (FIRMs). The most recent Digital FIRMs were adopted by the Town on May 18, 2009.

#### ***23.4.3.2 Repetitive Loss Properties***

The Federal Emergency Management Agency (FEMA) insures properties against flooding losses in the Bay Area through the [National Flood Insurance Program](#).

As part of the process to reduce or eliminate repetitive flooding to structures across the United States, FEMA has developed an official Repetitive Loss Strategy. The purpose behind the national strategy is to identify, catalog, and propose mitigation measures to reduce flood losses to the relatively few number of structures that absorb the majority of the premium dollars from the national flood insurance fund.

A *repetitive loss property* is defined by FEMA as “a property for which two or more

National Flood Insurance Program losses of at least \$1,000 each have been paid within any 10-year period since 1978.”

The Town of Los Altos Hills has no repetitive flood loss properties.

Source: <http://quake.abag.ca.gov/mitigation/floodloss/>

#### **23.4.4 Resource List**

Documents used in the assembly of this Capability Assessment include:

- General Plan
- Emergency Operations Plan
- 2012-2013 City Council Adopted Budget

- High Fire Requirements CBC Chapter 7A
- Soil Erosion and Sediment Control Plan
- Minimum Escape or Rescue Windows From Sleeping Rooms 2007 CBC Section 1026.2
- Open Space Committee 2012 brochure on Creeks and Riparian Areas
- Smoke Detector Information CBC Section 310.9
- Development Area Policy Section 10-1.502(b) of the Zoning Code
- Town of Los Altos Hills Sanitary Sewer Construction Standards
- Town’s website at <http://www.losaltoshills.ca.gov>

## 23.5 VULNERABILITY ASSESSMENT

### 23.5.1 Critical Resources

During the development of this 2013 annex, the Town of Los Altos Hills identified 61 critical resources as listed in the subsequent table. These resources are those deemed most important or critical for maintaining operations throughout the community. The Emergency Operations Center maintains this list and coordinates windshield surveys and inspections of these resources following a disaster event. For security reasons, a map of these resources is not included within this Annex which is made available to the public. Similarly, some addresses are not disclosed in the following table. The City Manager and members of the Hazard Mitigation Planning Team have access to the locations of all of the critical resources for use in risk reduction and other planning efforts.

**Table 23-11: Town of Los Altos Hills Critical Resources**

ID	NAME	ADDRESS	TYPE
1	Poor Clare Nuns LAH	28210 Natoma Rd	Rel
2	Fremont Hills Stable	24941 Purissima Rd	Barn
3	LAH Town Hall	26379 Fremont Rd	Gov
4	Church of Redeemer*	380 Magdalena Rd	Rel
5	Antenna Tri-band EOC	26379 Fremont Rd	Comm
6	Wilder #11 Pump Station		Util - CWS
7	WT05 Matadero Pump		Util - CWS
8	WT01 Deer Creek Pump		Util - CWS
9	Fremont Hills CC	12889 Viscaino Place	CC
10	Pinewood School 7-12	26800 Fremont Rd	School
11	Congregation Beth Am	26790 Arastradero Rd	Rel
12	Daughters of Charity	26000 Altamont Rd	Rel
13	Hidden Villa*	26870 Moody Rd	Barn
14	112 Pump Station		Util - CWS
15	LA Golf & CC*	1560 Country Club Dr	CC
16	Waldorf School PK-12*	11311 Mora Dr	School
17	St Nicholas Catholic	12816 S. El Monte Rd	School

ID	NAME	ADDRESS	TYPE
18	Bullis School K-6	25890 W. Fremont Rd	School
19	Westwind Barn and Antenna	27210 Altamont	Comm
20	WT14 Toyon Yard		Util - PHWD
21	WT04 La Cresta Tank		Util - PHWD
22	Christ Episcopal*	1040 Border Rd	Rel
23	St Lukes Chapel	26140 Duval Wy	Rel
24	Terrace Tank #7		Util - CWS
25	WT13 Altamont Tank		Util - PHWD
26	Mora Tank		Util - CWS
27	Loyola Tank #8		Util - CWS
28	WT06 Hungry Horse		Util - PHWD
29	WT10 Elena Pump/Tank		Util - PHWD
30	Olive Tree #37		Util - CWS
31	WT3 McCann Tank/Pump		Util - PHWD
32	WT11 O'Keefe #114		Util - CWS
33	WT09 LA Heights		Util - CWS
34	WT17 Neary Tank		Util - PHWD
35	Eastbrook #38 Pump Station		Util - CWS
36	Blandor #28 Tank		Util - CWS
37	Price #10 Tank		Util - CWS
38	OP1 Page Mill Rd	280 & Page Mill Rd	OPX
39	OP3 Elena Rd	280 & Elena Rd	OP
40	OP4 La Barranca Rd	280 & La Barranca Rd	OP
41	OP5 Robleda Rd	280 & Robleda Rd	OP
42	OP6 El Monte Rd	280 & El Monte Rd	OPX
43	OP7 Magdalena Rd	280 & Magdalena Rd	OPX
44	WT12 Page Mill Tank		Util - PHWD
45	OP8 Mora Dr	280 & Mora Dr	OP
46	OP2 Arastradero Rd	280 & Arastradero Rd	OP
47	LAH Corp Yard	27400 Purissima Rd	Gov
48	WT07 Sunset Tank		Util - CWS
49	WT02 Pinecrest #113		Util - CWS
50	FS Loyola	765 Fremont Ave, LA	FS
51	Pinewood Middle 3-6	327 Fremont Ave	School
52	LAH Heritage House	26379 Fremont Rd	Gov
53	WT08 Robleda Height		Util - CWS
54	#35 Pump Station		Util - CWS

ID	NAME	ADDRESS	TYPE
55	Foothill College and KFJC 89.7 FM	12345 El Monte Rd	School
56	FS El Monte LAH CFD and CERT ARK	12355 El Monte Rd	FS
57	LAE Staging Area	27400 Purissima Rd	LAE
58	PA Foothills Park & FS #8	3300 Page Mill Rd	FS
59	O'Keefe Sewer Pump Station		Util - LAH
60	Purissima and Elena Sewer Pump Station		Util - LAH
61	Purissima Hills Water District		Util

\* Facilities located within the Los Altos Hills County Fire District boundaries, but outside of the Town.

Public comment received suggested that the bridge over Foothill Expressway at Loyola Corners be added to the list of critical resources for future updates to this plan. This bridge is critical to ingress/egress to the Town.

### 23.5.2 Exposure Analysis

Exposure analyses are used to quantify assets which are “exposed” to risk. This is the first step towards understanding the complete value of assets at risk to identified hazards. This section includes an exposure analysis (discussion of assets at risk) for the profiled hazards in Section 4.

Overlay analyses (using GIS) were conducted for the mappable hazards such as wildfire, flood, and the earthquake related hazards. These analyses compare the location of the critical resources with the mapped hazard area (i.e. floodplains, wildfire threat zones, shaking potential areas, etc.) and result in a list of resources which are at risk to each hazard. Not all hazards are mappable and some hazards, such as drought, are equally likely throughout the entire County. For these hazards, a general exposure summary is presented in Section 13.4.2.1.

#### 23.5.2.1 General Exposure

ABAG’s website (<http://quake.abag.ca.gov/mitigation/landuse/>) presents the results of the regional exposure analysis through a searchable online database. Users can view the summaries of land use and infrastructure exposed to the mappable hazards. This section presents the general summary of land use and infrastructure in the Town of Los Altos Hills. These should be considered at risk to the hazards of equal likelihood throughout the entire County geography (i.e. drought, extreme heat, thunderstorm, etc).

It is noted that this data was prepared on a regional basis and may not be completely accurate within the limits of Los Altos Hills. For example, the Planning Commission noted that the Town of Los Altos Hills does not allow for residential densities higher than 2 units per acre. Thus two lines in the table below are struck through. Additionally, the Planning Commission is not aware of any golf courses within the Town.

JURISDICTION: Los Altos Hills  
 COUNTY: Santa Clara  
 HAZARD: Land Use  
 BASIS: Existing Land Use, 2005 using 2009 hazard mapping

<b>Existing Land Use Details</b>	
	<u>Total Acres</u>
<b>TOTAL RESIDENTIAL LAND [excluding mixed use]:</b>	4,038
1 unit/1-5 acre lot (Rural Residential)	2,956
1-3 units/acre	636
3-8 units/acre	446
>8 units/acre	4
Mobile Home Parks	0
<b>TOTAL MIXED RESIDENTIAL/COMMERCIAL:</b>	0
Within a Land Area	0
Within a Building	0
Mixture of Above or Unknown	0
<b>TOTAL MIXED COMMERCIAL/INDUSTRIAL:</b>	0
<b>TOTAL INDUSTRIAL [excluding mixed]:</b>	0
Light Industrial	0
Heavy Industrial	0
Salvage/Recycling, Mixture or Unknown	0
Food Processing, Warehousing	0
<b>TOTAL MAJOR INFRASTRUCTURE:</b>	667
Roads, Highway and Related Facilities	662
Rail Stations, Yards and Related Facilities	0
Airports	0
Ports	0
Power Facilities	0
Municipal Wastewater Facilities	0
Municipal Water Supply Facilities	0
Communication Facilities	5
Infrastructure--Other, Unknown	0
<b>TOTAL MILITARY:</b>	0
Military Residential	0
Military Hospital	0
Military Communications	0
Military Airport or Port	0
General Military	0
Open Military Lands	0
Closed Military Facilities	0
<b>TOTAL COMMERCIAL/SERVICES [excluding mixed]:</b>	214
Subtotal-Commercial:	0

<b>Existing Land Use Details</b>	
Retail/Wholesale	0
Research/Office	0
Comm. Outdoor Recreation	0
Other, Mixture or Unknown	0
Subtotal-Education:	147
Educational Offices and Day Care	0
Elementary/Secondary	12
Colleges/Universities	135
Stadium Facilities	0
University Housing	0
Day Care Facilities	0
Subtotal-Hospitals and Health Care	0
Trauma Center Hospitals	0
Community or Local Hospitals	0
Surgery Centers	0
State Prisons	0
State Mental Health Facilities	0
Clinics and Long-Term Care	0
Subtotal-Public Institutions:	67
Convention Centers	0
Sports Stadiums	0
Churches/Synagogues/Other	66
City Halls/County Administration	1
Local Jails	0
Local Police/Fire/Emergency	0
Other-Comm. Centers/Libraries	0
<b>TOTAL URBAN OPEN:</b>	<b>254</b>
Golf Courses	19
Racetracks	0
Campgrounds and Other	0
Cemeteries	0
Parks	7
Vacant--Cleared for Redevelopment	0
Vacant--Undeveloped	228
Mixed Urban Open, Including Parks	0
<b>TOTAL AGRICULTURE:</b>	<b>0</b>
Cropland and Pasture	0
Orchards/Groves/Vineyards	0
Greenhouses	0
Confined Feeding	0
Farmsteads and Inactive	0

Existing Land Use Details	
TOTAL RANGELAND:	138
Herbaceous Range	115
Shrub and Brush	23
Mixed Range	0
TOTAL WETLANDS [Based on USGS Mapping]:	0
Forested	0
Non-Forested	0
Salt Evaporators	0
Wetlands--Unknown	0
TOTAL FOREST LAND:	128
Deciduous	6
Evergreen	73
Mixed Forest	49
TOTAL SPARSELY VEGETATED:	12
Beaches	0
Other Sand	0
Bare Rock	3
Mines/Quarries	9
Transitional--Landfills	0
Transitional--Other	0
Transitional--Mixture	0
Mixed Sparsely Vegetated	0
	<u>Total Acres</u>
TOTAL URBAN LAND:	5,174
TOTAL NON-URBAN LAND:	278
GRAND TOTAL:	5,452

Source: Association of Bay Area Governments, 2009.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: Los Altos Hills  
COUNTY: Santa Clara  
HAZARD: Land Use  
BASIS: Existing Infrastructure, 2009

Existing Infrastructure	
	<u>Total Miles</u>
ROADS:	102
Interstate Highway	8
Primary US/State Highway	0
Secondary State/Co Highway	17

Local Road	71
Misc Ramp/Road	6
TRANSIT:	0
Altamont Commuter Express (ACE)	0
Amtrak	0
Bay Area Rapid Transit (BART)	0
Caltrain	0
San Francisco Muni Metro	0
Santa Clara VTA	0
RAIL:	0
All Railroads	0
PIPELINES:	88
Pipelines Under Roads	88
	=====

Source: Association of Bay Area Governments, 2009.

Miles of pipeline is an approximation based on miles of road within water service area boundaries and does not include major aqueducts.

Miles of pipeline is miles of water pipelines. Miles of sewer pipelines should be approximately the same.

Note: Because of independent rounding, subcategories may not add to totals.

### 23.5.2.2 Critical Resources Exposure by Hazard

ABAG’s website (<http://quake.abag.ca.gov/mitigation/cf2010/>) presents the results of the regional facilities exposure analysis through a searchable online database. Users can view the summaries of how many facilities are exposed to the mappable hazards by category: health care facilities, schools, critical facilities, and bridges/interchanges. For the purposes of developing a Town specific mitigation strategy, this section identifies which of the Town’s critical facilities are located in the mapped hazard areas.

The complete results from ABAG’s exposure analysis are available digitally in an excel spreadsheet from the Town. A complete printing of these results is included in Los Altos Hills Attachment 3: Exposure Analysis. It should be noted that the critical resources used in the following sections have been updated since ABAG’s conducted exposure analysis. There may be some discrepancies with the identified critical resources below and those in Los Altos Hills Attachment 3: Exposure Analysis

Several interactive hazard maps are provided by ABAG on their website, <http://quake.abag.ca.gov/>, and organized by hazard. In addition, interactive hazard mapping is available from the California Governor’s Office of Emergency Services at: <http://myplan.calema.ca.gov/>. The maps shown throughout this section are intended to give the reader an overview of hazard risk to the entire Town rather than risk to a specific property.

#### 23.5.2.2.1 Earthquake Related Hazards

The Town of Los Altos Hills maintains a Geotechnical and Seismic Hazard Zones map for the purpose of identifying areas of slope instability, fault rupture, ground deformation, and other

constraints. To view this map in more detail, it may be obtained by contacting the Public Works Department.

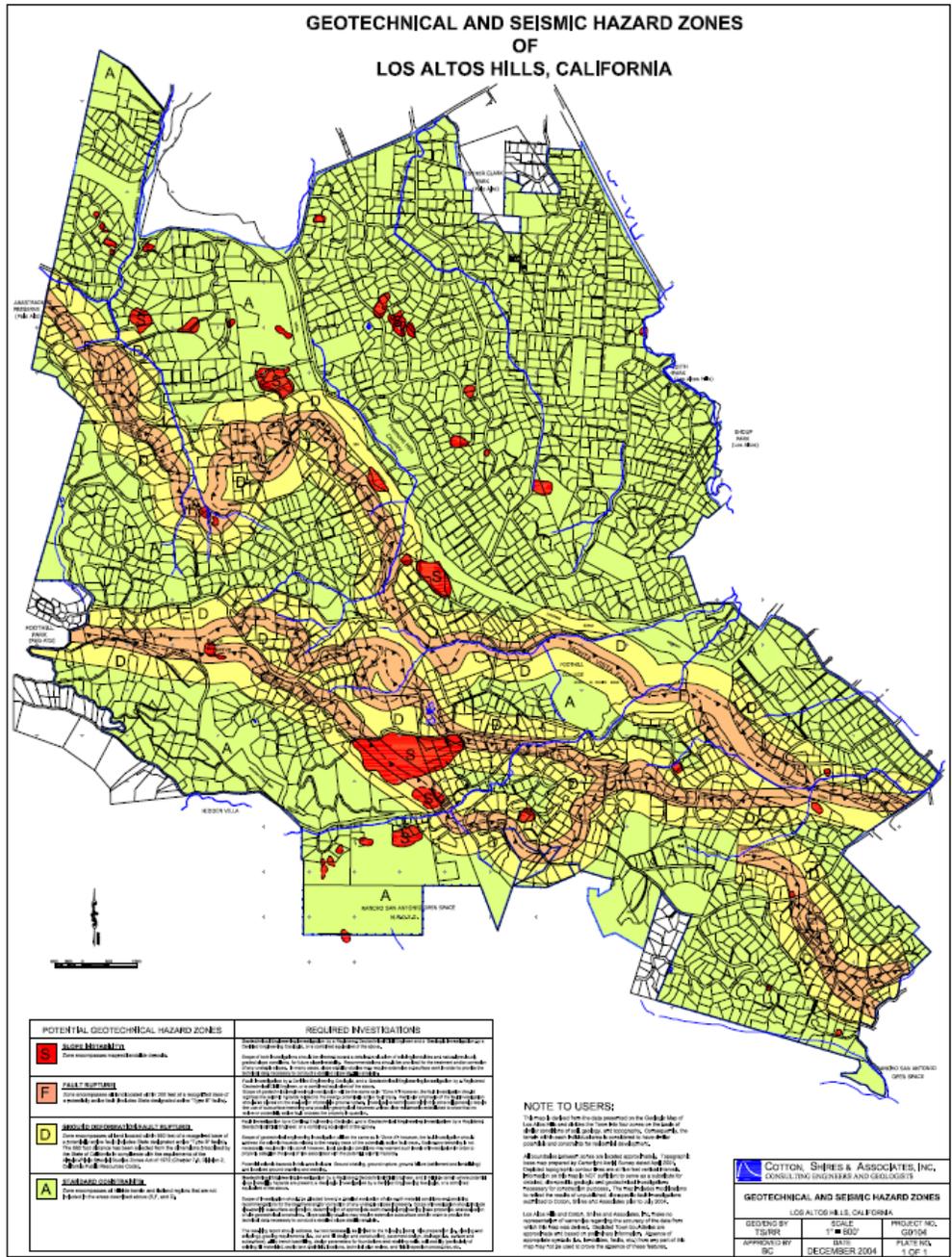
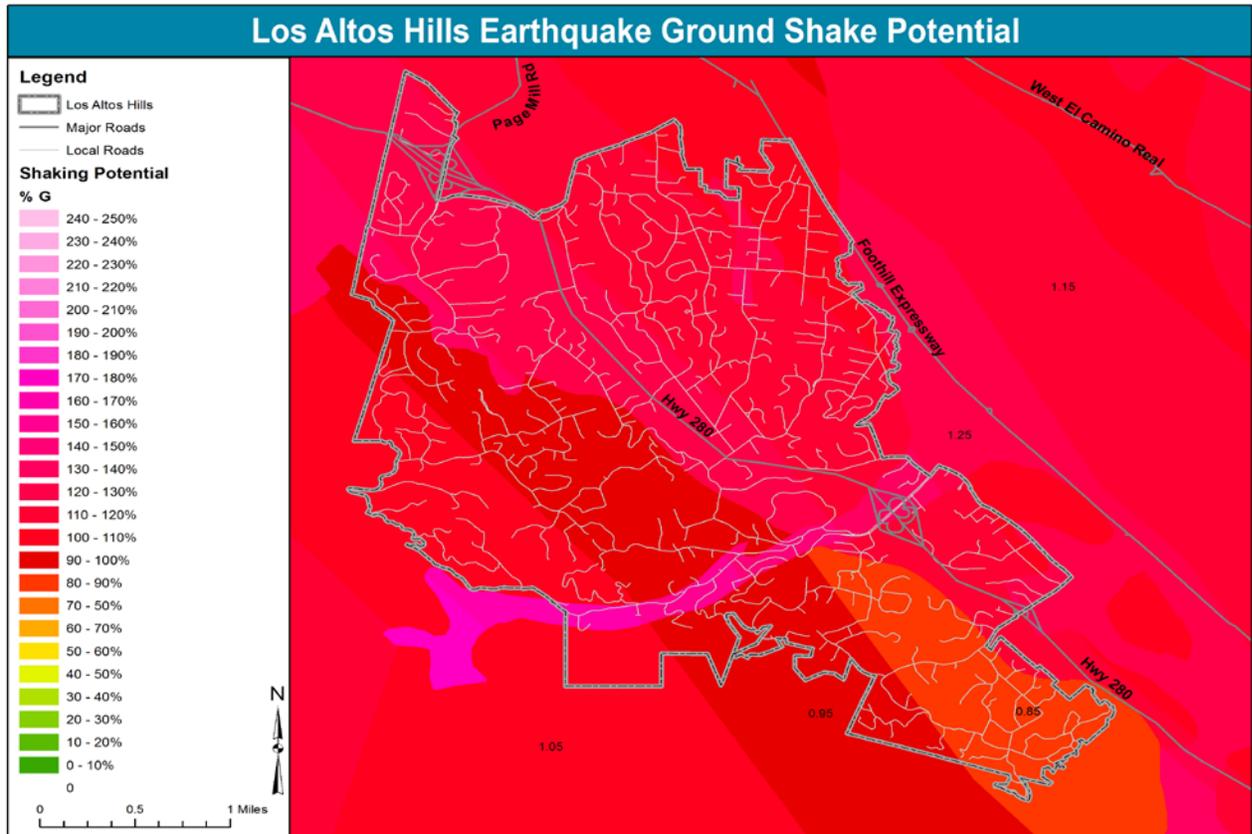


Figure 23-2: Town of Los Altos Hills Geotechnical and Seismic Hazard Zones

To be consistent with the Santa Clara County hazard mitigation planning process the following analysis has been completed using regional mapping information provided by the Association of Bay Area Governments.

## Ground Shaking



**Figure 23-3: Los Altos Hills Ground Shake Potential**

Source: This map was created using earthquake shaking potential data provided by the Association of Bay Area Governments. It is a derivative of the Probabilistic Seismic Hazard Map that was produced by the California Seismic Safety Commission, California Geological Survey, California Office of Emergency Services, and the United States Geological Survey in 2003. The greater %G represents regions closer to major, active faults that will on average experience stronger earthquake shaking more frequently.

An interactive shaking map is available at <http://gis3.abag.ca.gov/Website/Shaking-Maps/viewer.htm>

The table below shows the ground shake potential for each of the identified critical resources within the Town of Los Altos Hills.

**Table 23-12: Los Altos Hills Critical Resources Ground Shake Potential**

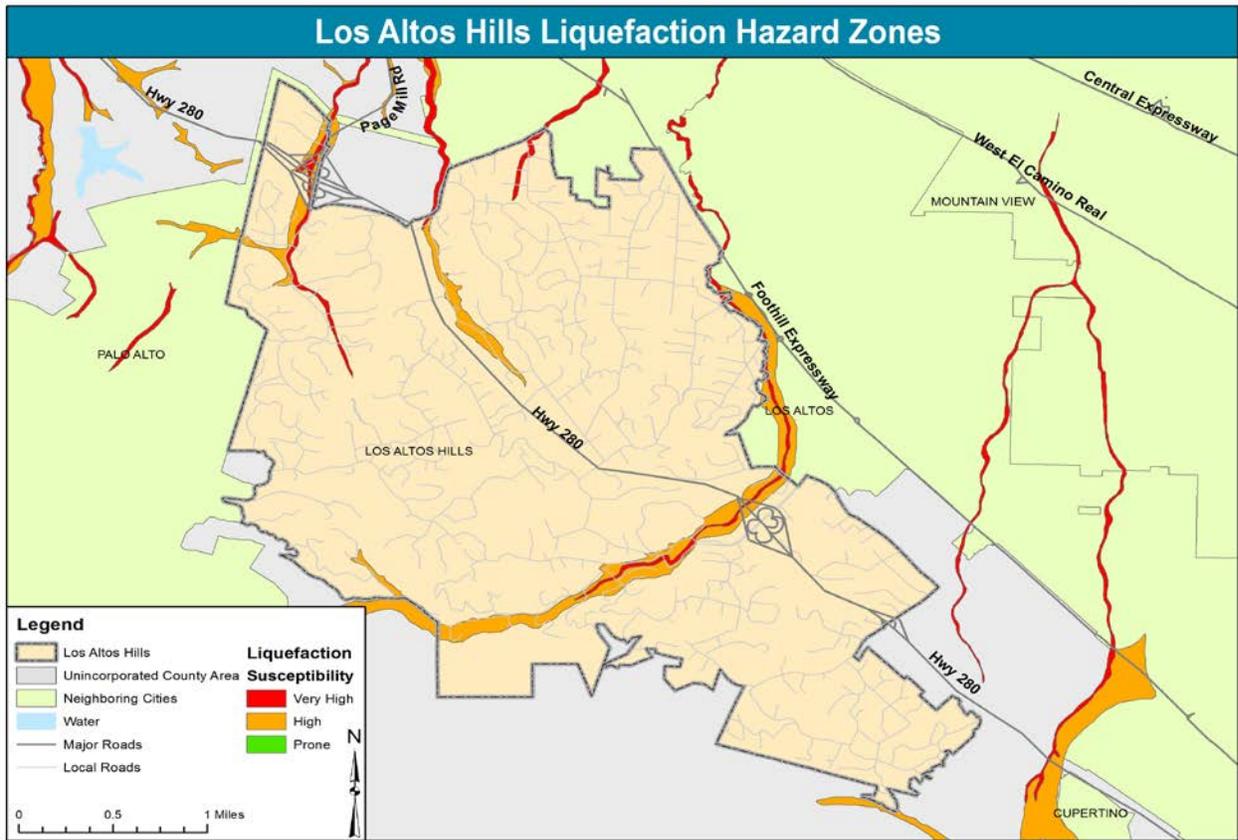
<b>ID</b>	<b>Name</b>	<b>ADDRESS</b>	<b>TYPE</b>	<b>Peak Acceleration (%g)</b>	<b>Perceived Shaking</b>	<b>Potential Damage</b>	<b>Instrumental Intensity</b>
1	Poor Clare Nuns LAH	28210 Natoma Rd	Rel	125%	Extreme	Very Heavy	X+
2	Fremont Hills Stable	24941 Purissima Rd	Barn	125%	Extreme	Very Heavy	X+
3	LAH Town Hall	26379 Fremont Rd	Gov	115%	Violent	Heavy	IX
4	Church of Redeemer	380 Magdalena Rd	Rel	125%	Extreme	Very Heavy	X+
5	Antenna Tri-band EOC	26379 Fremont Rd	Comm	115%	Violent	Heavy	IX
6	Wilder #11 Pump Station		Util - CWS	125%	Extreme	Very Heavy	X+
7	WT05 Matadero Pump		Util - PHWD	135%	Extreme	Very Heavy	X+
8	WT01 Deer Creek Pump		Util - CWS	115%	Violent	Heavy	IX
9	Fremont Hills CC	12889 Viscaino Place	CC	125%	Extreme	Very Heavy	X+
10	Pinewood School 7-12	26800 Fremont Rd	School	115%	Violent	Heavy	IX
11	Congregation Beth Am	26790 Arastradero Rd	Rel	115%	Violent	Heavy	IX
12	Daughters of Charity	26000 Altamont Rd	Rel	95%	Violent	Heavy	IX
13	Hidden Villa*	26870 Moody Rd	Barn	165%	Extreme	Very Heavy	X+
14	112 Pump Station		Util - CWS	115%	Violent	Heavy	IX
15	LA Golf & CC*	1560 Country Club Dr	CC	105%	Violent	Heavy	IX
16	Waldorf School PK-12*	11311 Mora Dr	School	85%	Violent	Heavy	IX
17	St Nicholas Catholic	12816 S. El Monte Rd	School	135%	Extreme	Very Heavy	X+
18	Bullis School K-6	25890 W. Fremont Rd	School	115%	Violent	Heavy	IX
19	Westwind Barn and Antenna	27210 Altamont	Comm	105%	Violent	Heavy	IX
20	WT14 Toyon Yard	12400 El Monte Rd	Util - PHWD	145%	Extreme	Very Heavy	X+

ID	Name	ADDRESS	TYPE	Peak Acceleration (%g)	Perceived Shaking	Potential Damage	Instrumental Intensity
21	WT04 La Cresta Tank		Util - PHWD	115%	Violent	Heavy	IX
22	Christ Episcopal*	1040 Border Rd	Rel	105%	Violent	Heavy	IX
23	St Lukes Chapel	26140 Duval Wy	Rel	125%	Extreme	Very Heavy	X+
24	Terrace Tank #7		Util - CWS	125%	Extreme	Very Heavy	X+
25	WT13 Altamont Tank		Util - PHWD	105%	Violent	Heavy	IX
26	Mora Tank		Util - CWS	85%	Violent	Heavy	IX
27	Loyola Tank #8		Util - CWS	85%	Violent	Heavy	IX
28	WT06 Hungry Horse		Util - PHWD	95%	Violent	Heavy	IX
29	WT10 Elena Pump/Tank		Util - PHWD	95%	Violent	Heavy	IX
30	Olive Tree #37		Util - CWS	95%	Violent	Heavy	IX
31	WT3 McCann Tank/Pump		Util - PHWD	115%	Violent	Heavy	IX
32	WT11 O'Keefe #114		Util - CWS	115%	Violent	Heavy	IX
33	WT09 LA Heights		Util - CWS	115%	Violent	Heavy	IX
34	WT17 Neary Tank		Util - PHWD	95%	Violent	Heavy	IX
35	Eastbrook #38 Pump Station		Util - CWS	115%	Violent	Heavy	IX
36	Blandor #28 Tank		Util - CWS	95%	Violent	Heavy	IX
37	Price #10 Tank		Util - CWS	95%	Violent	Heavy	IX
38	OP1 Page Mill Rd	280 & Page Mill Rd	OPX	125%	Extreme	Very Heavy	X+
39	OP3 Elena Rd	280 & Elena Rd	OP	125%	Extreme	Very Heavy	X+
40	OP4 La Barranca Rd	280 & La Barranca Rd	OP	125%	Extreme	Very Heavy	X+
41	OP5 Robleda Rd	280 & Robleda Rd	OP	125%	Extreme	Very Heavy	X+
42	OP6 El Monte Rd	280 & El Monte Rd	OPX	135%	Extreme	Very Heavy	X+

ID	Name	ADDRESS	TYPE	Peak Acceleration (%g)	Perceived Shaking	Potential Damage	Instrumental Intensity
43	OP7 Magdalena Rd	280 & Magdalena Rd	OPX	115%	Violent	Heavy	IX
44	WT12 Page Mill Tank		Util - PHWD	105%	Violent	Heavy	IX
45	OP8 Mora Dr	280 & Mora Dr	OP	115%	Violent	Heavy	IX
46	OP2 Arastradero Rd	280 & Arastradero Rd	OP	115%	Violent	Heavy	IX
47	LAH Corp Yard	27400 Purissima Rd	Gov	125%	Extreme	Very Heavy	X+
48	WT07 Sunset Tank		Util - CWS	115%	Violent	Heavy	IX
49	WT02 Pinecrest #113		Util - CWS	105%	Violent	Heavy	IX
50	FS Loyola	765 Fremont Ave, LA	FS	125%	Extreme	Very Heavy	X+
51	Pinewood Middle 3-6	327 Fremont Ave	School	125%	Extreme	Very Heavy	X+
52	LAH Heritage House	26379 Fremont Rd	Gov	115%	Violent	Heavy	IX
53	WT08 Robleda Height		Util - CWS	115%	Violent	Heavy	IX
54	#35 Pump Station		Util - CWS	85%	Violent	Heavy	IX
55	Foothill College and KFJC 89.7 FM	12345 El Monte Rd	School	125%	Extreme	Very Heavy	X+
56	FS El Monte LAH CFD and CERT ARK	12355 El Monte Rd	FS	145%	Extreme	Very Heavy	X+
57	LAE Staging Area	27400 Purissima Rd	LAE	125%	Extreme	Very Heavy	X+
58	PA Foothills Park & FS #8	3300 Page Mill Rd	FS	105%	Violent	Heavy	IX
59	O'Keefe Sewer Pump Station		Util - LAH	135%	Extreme	Very Heavy	X+
60	Purissima and Elena Sewer Pump Station		Util- LAH	125%	Extreme	Very Heavy	X+
61	Purissima Hills Water District		Util	115%	Violent	Heavy	IX

\* Facilities located within the Los Altos Hills County Fire District boundaries, but outside of the Town.

*Earthquake Induced Liquefaction*



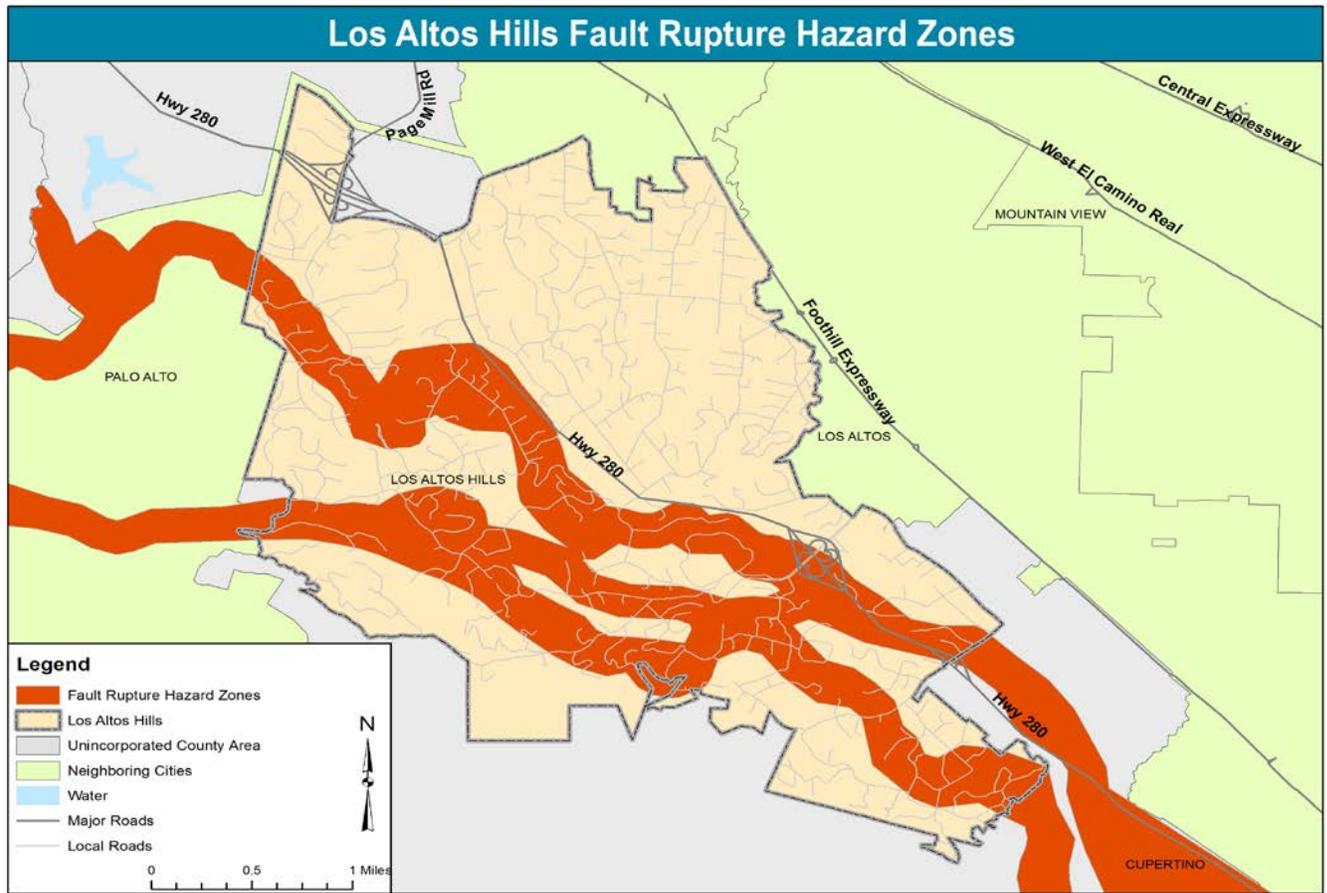
**Figure 23-4: Los Altos Hills Liquefaction Hazard Zones**

Source: Santa Clara County Office of Planning

**Table 23-13: Los Altos Hills Critical Resources in Liquefaction Hazard Zones**

ID	Name	ADDRESS	TYPE	Liquefaction Hazard Zone
20	WT14 Toyon Yard		Util - PHWD	Very High
56	FS El Monte LAH CFD and CERT ARK	12355 El Monte Rd	FS	Very High

**Surface Rupture**



**Figure 23-5: Los Altos Hills Fault Rupture Hazard Zones**

Source: California Geologic Survey, State of CA Department of Conservation

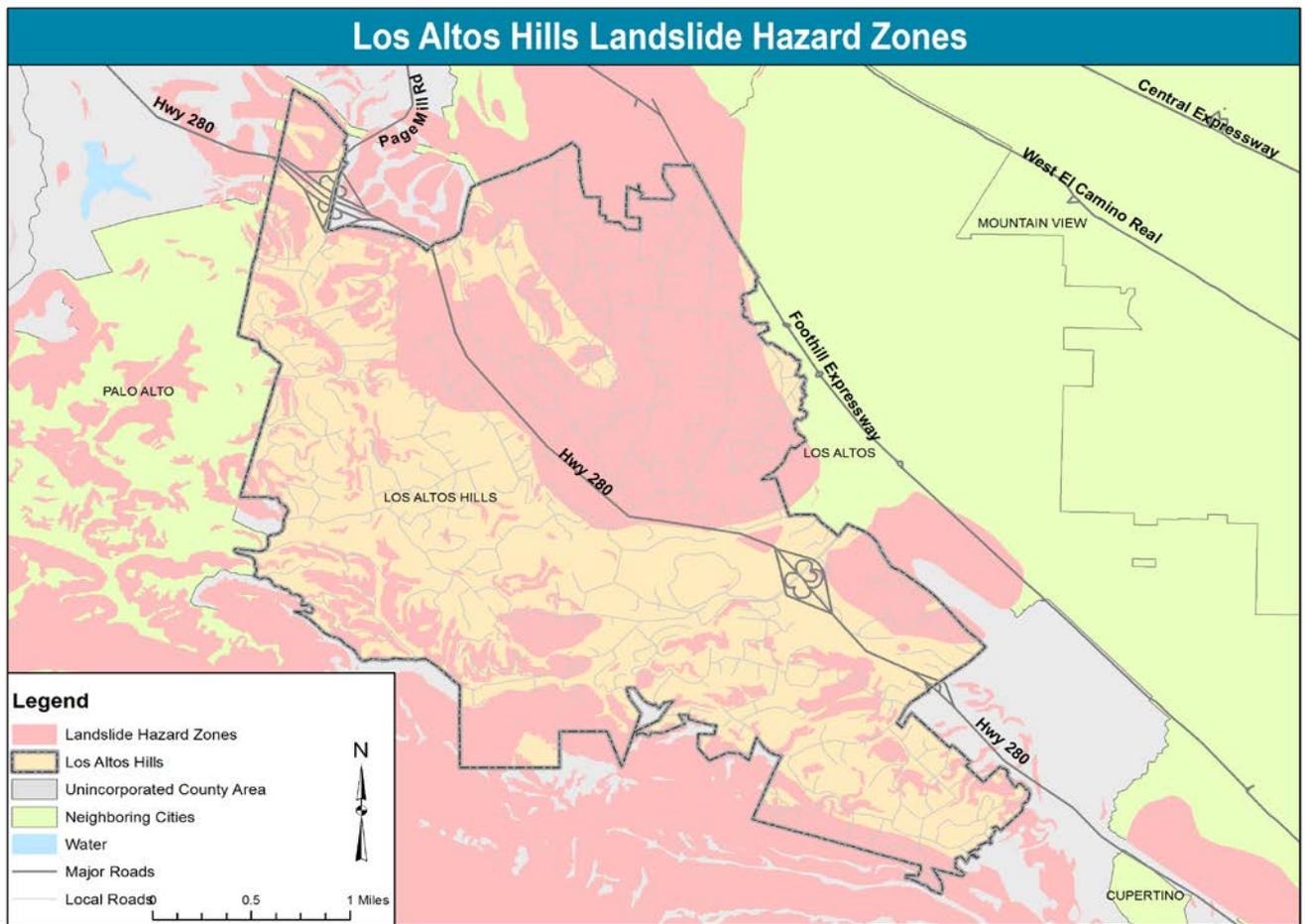
**Table 23-14: Los Altos Hills Critical Resources in Fault Rupture Hazard Zone**

ID	Name	ADDRESS	TYPE	Within Fault Rupture Hazard Zone
1	Poor Clare Nuns LAH	28210 Natoma Rd	Rel	Y
4	Church of Redeemer*	380 Magdalena Rd	Rel	Y
7	WT05 Matadero Pump	13240 Page Mill Rd	Util	Y
12	Daughters of Charity	26000 Altamont Rd	Rel	Y
16	Waldorf School PK-12*	11311 Mora Dr	School	Y
19	Westwind Barn and Antenna	27210 Altamont	Comm	Y
20	WT14 Toyon Yard		Util -PHWD	Y
26	Mora Tank		Util - CWS	Y
27	Loyola Tank #8		Util - CWS	Y
29	WT10 Elena Pump/Tank		Util - PHWD	Y

ID	Name	ADDRESS	TYPE	Within Fault Rupture Hazard Zone
40	OP4 La Barranca Rd	280 & La Barranca Rd	OP	Y
42	OP6 El Monte Rd	280 & El Monte Rd	OPX	Y
43	OP7 Magdalena Rd	280 & Magdalena Rd	OPX	Y
45	OP8 Mora Dr	280 & Mora Dr	OP	Y
54	#35 Pump Station		Util - CWS	Y

\* Facilities located within the Los Altos Hills County Fire District boundaries, but outside of the Town

**Earthquake Induced Landslides**



**Figure 23-6: Los Altos Hills Landslide Hazard Zones**

Source: Santa Clara Planning Office, CA State Department of Conservation

**Table 23-15: Los Altos Hills Critical Resources in Landslide Hazard Zones**

<b>ID</b>	<b>Name</b>	<b>ADDRESS</b>	<b>TYPE</b>	<b>Within Landslide Hazard Zone</b>
2	Fremont Hills Stable	24941 Purissima Rd	Barn	Y
3	LAH Town Hall	26379 Fremont Rd	Gov	Y
5	Antenna Tri-band EOC	26379 Fremont Rd	Comm	Y
6	Wilder #11 Pump Station		Util - CWS	Y
8	WT01 Deer Creek Pump		Util - CWS	Y
9	Fremont Hills CC	12889 Viscaino Place	CC	Y
10	Pinewood School 7-12	26800 Fremont Rd	School	Y
11	Congregation Beth Am	26790 Arastradero Rd	Rel	Y
12	Daughters of Charity	26000 Altamont Rd	Rel	Y
13	Hidden Villa*	26870 Moody Rd	Barn	Y
14	112 Pump Station		Util - CWS	Y
17	St Nicholas Catholic	12816 S. El Monte Rd	School	Y
18	Bullis School K-6	25890 W. Fremont Rd	School	Y
21	WT04 La Cresta Tank		Util - PHWD	Y
22	Christ Episcopal*	1040 Border Rd	Rel	Y
26	Mora Tank		Util - CWS	Y
27	Loyola Tank #8		Util - CWS	Y
29	WT10 Elena Pump/Tank		Util - PHWD	Y
33	WT09 LA Heights		Util - CWS	Y
36	Blandor #28 Tank		Util - CWS	Y
39	OP3 Elena Rd	280 & Elena Rd	OP	Y
40	OP4 La Barranca Rd	280 & La Barranca Rd	OP	Y
41	OP5 Robleda Rd	280 & Robleda Rd	OP	Y
46	OP2 Arastradero Rd	280 & Arastradero Rd	OP	Y
47	LAH Corp Yard	27400 Purissima Rd	Gov	Y
48	WT07 Sunset Tank		Util - CWS	Y
49	WT02 Pinecrest #113		Util - CWS	Y
52	LAH Heritage House	26379 Fremont Rd	Gov	Y
53	WT08 Robleda Height		Util - CWS	Y
54	#35 Pump Station		Util - CWS	Y
57	LAE Staging Area	27400 Purissima Rd	LAE	Y
60	Purissima and Elena Sewer Pump Station		Util- LAH	Y
61	Purissima Hills Water District		Util	Y

\* Facilities located within the Los Altos Hills County Fire District boundaries, but outside of the Town

### 23.5.2.2.1 Infrastructure Failure

The Town of Los Altos Hills does not have any unique concerns or vulnerabilities regarding the hazard of infrastructure failure as presented in Section 4.

### 23.5.2.2.2 Wildfire

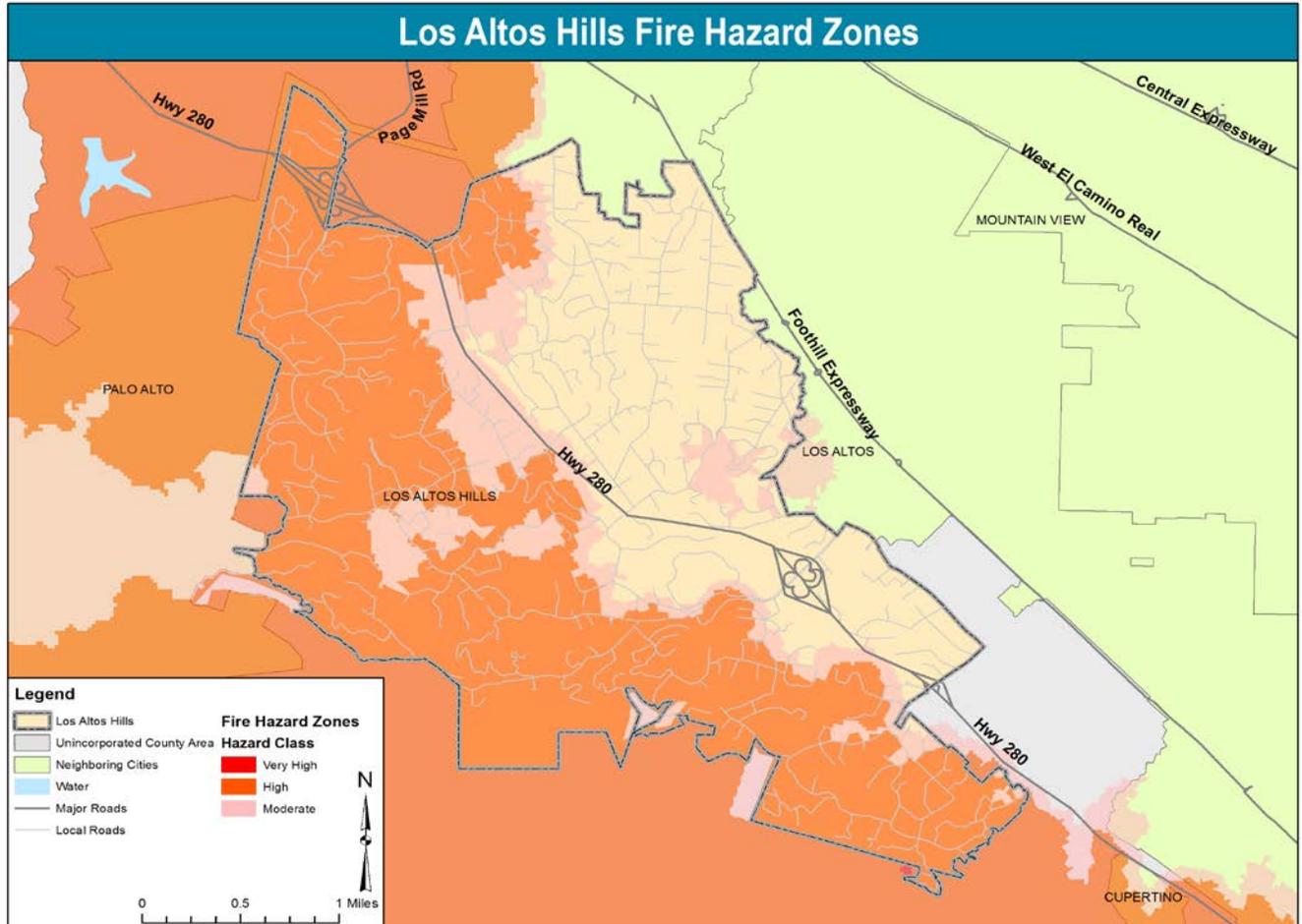


Figure 23-7: Los Altos Hills Fire Hazard Zones

Source: CA Department of Forestry and Fire Protection

**Table 23-16: Los Altos Hills Critical Resources in Fire Hazard Zones**

<b>ID</b>	<b>Name</b>	<b>ADDRESS</b>	<b>TYPE</b>	<b>Fire Hazard Zone</b>
1	Poor Clare Nuns LAH	28210 Natoma Rd	Rel	High
7	WT05 Matadero Pump		Util - PHWD	High
8	WT01 Deer Creek Pump		Util - CWS	High
11	Congregation Beth Am	26790 Arastradero Rd	Rel	Moderate
12	Daughters of Charity	26000 Altamont Rd	Rel	High
13	Hidden Villa*	26870 Moody Rd	Barn	High
16	Waldorf School PK-12*	11311 Mora Dr	School	Moderate
19	Westwind Barn and Antenna	27210 Altamont	Comm	High
20	WT14 Toyon Yard		Util - PHWD	Moderate
21	WT04 La Cresta Tank		Util - PHWD	Moderate
25	WT13 Altamont Tank		Util - PHWD	High
26	Mora Tank		Util - CWS	High
27	Loyola Tank #8		Util - CWS	High
28	WT06 Hungry Horse		Util - PHWD	High
29	WT10 Elena Pump/Tank		Util - PHWD	High
30	Olive Tree #37		Util - CWS	Moderate
33	WT09 LA Heights		Util - CWS	Moderate
34	WT17 Neary Tank		Util - PHWD	High
36	Blandor #28 Tank		Util - CWS	High
37	Price #10 Tank		Util - CWS	High
38	OP1 Page Mill Rd	280 & Page Mill Rd	OPX	High
39	OP3 Elena Rd	280 & Elena Rd	OP	Moderate
40	OP4 La Barranca Rd	280 & La Barranca Rd	OP	Moderate
44	WT12 Page Mill Tank		Util - PHWD	Moderate
46	OP2 Arastradero Rd	280 & Arastradero Rd	OP	High
48	WT07 Sunset Tank		Util - CWS	Moderate
54	#35 Pump Station		Util - CWS	Moderate
56	FS El Monte LAH CFD and CERT ARK	12355 El Monte Rd	FS	High

\* Facilities located within the Los Altos Hills County Fire District boundaries, but outside of the Town

23.5.2.2.3 Flooding

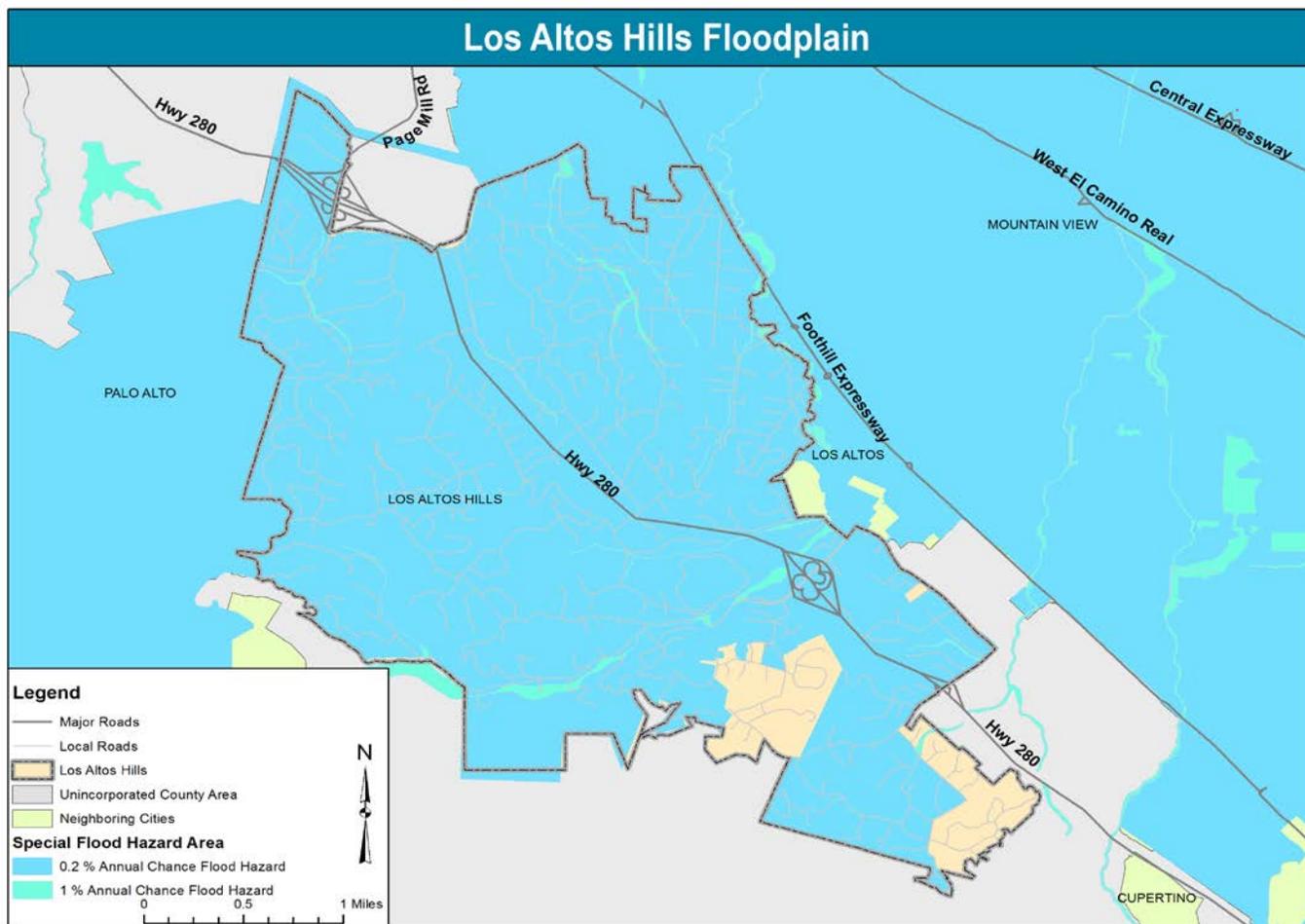


Figure 23-8: Los Altos Hills Floodplain

Source: FEMA- Santa Clara County DFIRM, 2009

**Table 23-17: Los Altos Hills Critical Resources in Floodplain**

<b>ID</b>	<b>Name</b>	<b>ADDRESS</b>	<b>TYPE</b>	<b>Flood Zone (Annual % Chance)</b>
1	Poor Clare Nuns LAH	28210 Natoma Rd	Rel	0.2 %
2	Fremont Hills Stable	24941 Purissima Rd	Barn	0.2 %
3	LAH Town Hall	26379 Fremont Rd	Gov	0.2 %
5	Antenna Tri-band EOC	26379 Fremont Rd	Comm	0.2 %
6	Wilder #11 Pump Station		Util - CWS	1 %
7	WT05 Matadero Pump		Util - PHWD	0.2 %
9	Fremont Hills CC	12889 Viscaino Place	CC	0.2 %
10	Pinewood School 7-12	26800 Fremont Rd	School	0.2 %
11	Congregation Beth Am	26790 Arastradero Rd	Rel	0.2 %
12	Daughters of Charity	26000 Altamont Rd	Rel	0.2 %
14	112 Pump Station	Near 13390 Lennox Wy	Util	0.2 %
17	St Nicholas Catholic	12816 S. El Monte Rd	School	0.2 %
18	Bullis School K-6	25890 W. Fremont Rd	School	0.2 %
19	Westwind Barn and Antenna	27210 Altamont	Comm	0.2 %
20	WT14 Toyon Yard		Util - PHWD	1 %
21	WT04 La Cresta Tank		Util - PHWD	0.2 %
23	St Lukes Chapel	26140 Duval Wy	Rel	0.2 %
25	WT13 Altamont Tank		Util - PHWD	0.2 %
28	WT06 Hungry Horse		Util - PHWD	0.2 %
29	WT10 Elena Pump/Tank		Util - PHWD	0.2 %
31	WT3 McCann Tank/Pump		Util - PHWD	0.2 %
32	WT11 O'Keefe #114		Util - CWS	0.2 %
33	WT09 LA Heights		Util - CWS	0.2 %
35	Eastbrook #38 Pump Station		Util - CWS	0.2 %
37	Price #10 Tank		Util - CWS	0.2 %
39	OP3 Elena Rd	280 & Elena Rd	OP	0.2 %
40	OP4 La Barranca Rd	280 & La Barranca Rd	OP	0.2 %
41	OP5 Robleda Rd	280 & Robleda Rd	OP	0.2 %
42	OP6 El Monte Rd	280 & El Monte Rd	OPX	0.2 %
43	OP7 Magdalena Rd	280 & Magdalena Rd	OPX	0.2 %
46	OP2 Arastradero Rd	280 & Arastradero Rd	OP	0.2 %
47	LAH Corp Yard	27400 Purissima Rd	Gov	0.2 %
48	WT07 Sunset Tank		Util - CWS	0.2 %
49	WT02 Pinecrest #113		Util - CWS	0.2 %

<b>ID</b>	<b>Name</b>	<b>ADDRESS</b>	<b>TYPE</b>	<b>Flood Zone (Annual % Chance)</b>
50	FS Loyola	765 Fremont Ave, LA	FS	0.2 %
51	Pinewood Middle 3-6	327 Fremont Ave	School	0.2 %
52	LAH Heritage House	26379 Fremont Rd	Gov	0.2 %
53	WT08 Robleda Height		Util - CWS	0.2 %
55	Foothill College and KFJC 89.7 FM	12345 El Monte Rd	School	0.2 %
56	FS El Monte LAH CFD and CERT ARK	12355 El Monte Rd	FS	0.2 %
57	LAE Staging Area	27400 Purissima Rd	LAE	0.2 %
59	O'Keefe Sewer Pump Station		Util -LAH	0.2 %
60	Purissima and Elena Sewer Pump Station		Util- LAH	0.2 %
61	Purissima Hills Water District		Util	1 %

The Town's Planning Commission recommended incorporating specific information regarding localized flooding in future updates to this plan in addition to evaluating the risks presented by the mapped Special Flood Hazard Areas.

***Sea Level Rise***

There are no facilities in Los Altos Hills at risk to sea level rise.

**23.5.2.2.4 Drought**

All populations, facilities, and assets are equally at risk to impact from drought. The Town of Los Altos Hills does not have any unique concerns regarding the hazard of drought as presented in Section 4.

**23.5.2.2.5 Solar Storm**

All populations, facilities, and assets are equally at risk to impact from solar storm events. The Town of Los Altos Hills does not have any unique concerns regarding the hazard of solar storm as presented in Section 4.

**23.5.2.2.6 Dam Failure**

There are no critical facilities located in a dam failure inundation area in Los Altos Hills, CA.

**23.5.2.2.7 Disease Outbreak**

All populations, facilities, and assets are equally at risk to impact from disease outbreak. The Town of Los Altos Hills does not have any unique concerns regarding the hazard of disease outbreak as presented in Section 4.

#### **23.5.2.2.8 Freeze**

All populations, facilities, and assets are equally at risk to impact from freeze occurrences. The Town of Los Altos Hills does not have any unique concerns regarding the hazard of freeze as presented in Section 4.

#### **23.5.2.2.9 Wind**

All populations, facilities, and assets are equally at risk to impact from high winds. The Town of Los Altos Hills does not have any unique concerns regarding the hazard of wind as presented in Section 4. However, due to the very low density environment, there are many trees along roadways as well as utility poles.

#### **23.5.2.2.10 Heat**

All populations, facilities, and assets are equally at risk to impact from extreme heat events. The Town of Los Altos Hills does not have any unique concerns regarding the hazard of heat as presented in Section 4.

#### **23.5.2.2.11 Agricultural Pest**

Agricultural pests are not of particular concern to the Town of Los Altos Hills. The Town has numerous private vineyards which are under the purview of the Santa Clara County Department of Agriculture.

#### **23.5.2.2.12 Thunder and Lightning**

All populations, facilities, and assets are equally at risk to impact from thunder and lightning events. The Town of Los Altos Hills does not have any unique concerns regarding the hazard of thunder and lightning as presented in Section 4.

#### **23.5.2.2.13 Siltation – Bay Area**

Siltation is not of particular concern to the Town of Los Altos Hills.

#### **23.5.2.2.14 Tornado**

All populations, facilities, and assets are equally at risk to impact from tornado occurrences. The Town of Los Altos Hills does not have any unique concerns regarding the hazard of tornado as presented in Section 4.

#### **23.5.2.2.15 Hazardous Materials**

Hazardous Materials spills are not of particular concern to the Town of Los Altos Hills.

#### **23.5.2.2.16 Landslide and Debris Flow**

The Town of Los Altos Hills maintains a Geotechnical and Seismic Hazard Zones map (Figure 23-1) for the purpose of identifying slope instability, fault rupture, ground deformation, and other constraints. This map may be obtained by contacting the Public Works Department.

#### **23.5.2.2.17 Other Hazards**

Land subsidence and expansive soils are monitored through regular site development policies. The town has expansive soils and reports are required for most subdivisions and site development. Reference General Plan Policy 1.3 and paragraphs 820 and 821 of the Safety Element.

Hailstorms are not of particular concern to the Town of Los Altos Hills.

Tsunami is not a hazard of concern for the Town of Los Altos Hills.

Volcano eruptions are not a hazard of concern for the Town of Los Altos Hills.

## **23.6 MITIGATION STRATEGY**

### **23.6.1 Primary Concerns**

Based on the exposure analysis, the hazards of most concern to the identified critical resources in the Town of Los Altos Hills are ground shaking, fault rupture, landslides, and fire. The Town is mitigating flood risk on an ongoing basis through the floodplain management ordinance and participation in the NFIP. The Town of Los Altos Hills would be impacted by people evacuating the City of Los Altos and other nearby communities due to failure of the Stevens Creek Dam.

Most of the Town's staff do not live within the Town of Los Altos Hills. This is a concern if these are the individuals trained on emergency procedures for responding to a disaster event. It is highly likely these individuals will not be able to get to the EOC if a disaster event occurs at night or on a weekend. Thus, training for Community Emergency Response Teams (CERTs) is highly important for the Town of Los Altos Hills.

In the event that part of highway 280 collapses in an earthquake, the Town will be bifurcated. This situation would require fuels to be available on the west side of highway 280.

Human-caused hazards such as terrorism and crime are a concern within the Town of Los Altos Hills. However, they are not addressed in this plan due to their sensitive nature.

### **23.6.2 Mitigation Actions**

In addition to supporting the implementation of the prioritized county-wide mitigation actions, the Town of Los Altos Hills identified several potential mitigation actions for consideration within the Town. The members of the mitigation planning team, under the direction of the City Manager, will be vigilant in identifying opportunities to implement the following actions.

**Problem Statement:**

71% of survey respondents answered they were not familiar with the special needs of their neighbors.

**Project Description #1:** Create resources to assist neighbors in knowing and helping neighbors.

These may include:

- (1) a voluntary disaster registry for people who anticipate needing assistance
- (2) a “Buddy System” implemented through outreach efforts encouraging people to get to know their neighbors
- (3) continued use of [www.nextdoor.com](http://www.nextdoor.com)

**Applicable Hazards**

<u>Significant</u>	<u>Moderate</u>	<u>Limited</u>
<p><b>Earthquakes</b></p> <input checked="" type="checkbox"/> Ground Shaking <input checked="" type="checkbox"/> Liquefaction <input checked="" type="checkbox"/> Surface Rupture <input checked="" type="checkbox"/> Landslides	<input checked="" type="checkbox"/> Flood <input type="checkbox"/> Drought <input type="checkbox"/> Solar Storm <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> Disease and Outbreak <input checked="" type="checkbox"/> Freeze <input type="checkbox"/> Wind (high winds) <input checked="" type="checkbox"/> Extreme Heat <input type="checkbox"/> Agricultural Pests <input type="checkbox"/> Thunder / Lightning Storms <input type="checkbox"/> Bay Area Silting <input type="checkbox"/> Tornado <input type="checkbox"/> Hazardous Materials (Chemical/Biological) Spills <input checked="" type="checkbox"/> Landslide and Debris Flow	<input checked="" type="checkbox"/> Land Subsidence <input type="checkbox"/> Expansive Soils <input type="checkbox"/> Hailstorm <input type="checkbox"/> Tsunami <input type="checkbox"/> Volcano
<p><b>Infrastructure Failure</b></p> <input checked="" type="checkbox"/> Electrical System <input checked="" type="checkbox"/> Energy System <input checked="" type="checkbox"/> Telecommunication System <input checked="" type="checkbox"/> Transportation System <input checked="" type="checkbox"/> Waste Water System <input checked="" type="checkbox"/> Water System		
<input type="checkbox"/> Delta Levee Failure <input checked="" type="checkbox"/> Wildfire		

**Potential Funding Sources:** Town staff

**Responsible Department:** City Manager

**Target Completion Date:** to be determined

**Additional Comments / Status Report:**

**Problem Statement:** The rural nature and abundance of trees in Los Altos Hills presents challenges in maintaining roadway accessibility.

**Project Description #2:** Continue tree trimming programs, brush clearance, and other defensible space outreach efforts as necessary to ensure all roads are passable. Maintenance of brush and vegetative growth for fire prevention is addressed in Section 4-2.115 and 4-2.116 of the Los Altos Hills Municipal Code.

**Applicable Hazards**

<u>Significant</u>	<u>Moderate</u>	<u>Limited</u>
<p><b>Earthquakes</b></p> <p><input type="checkbox"/> Ground Shaking</p> <p><input type="checkbox"/> Liquefaction</p> <p><input type="checkbox"/> Surface Rupture</p> <p><input type="checkbox"/> Landslides</p> <p><b>Infrastructure Failure</b></p> <p><input checked="" type="checkbox"/> Electrical System</p> <p><input checked="" type="checkbox"/> Energy System</p> <p><input checked="" type="checkbox"/> Telecommunication System</p> <p><input checked="" type="checkbox"/> Transportation System</p> <p><input type="checkbox"/> Waste Water System</p> <p><input type="checkbox"/> Water System</p> <p><input type="checkbox"/> Delta Levee Failure</p> <p><input checked="" type="checkbox"/> Wildfire</p>	<p><input type="checkbox"/> Flood</p> <p><input type="checkbox"/> Drought</p> <p><input type="checkbox"/> Solar Storm</p> <p><input type="checkbox"/> Dam Failure</p> <p><input type="checkbox"/> Disease and Outbreak</p> <p><input type="checkbox"/> Freeze</p> <p><input checked="" type="checkbox"/> Wind (high winds)</p> <p><input type="checkbox"/> Extreme Heat</p> <p><input type="checkbox"/> Agricultural Pests</p> <p><input type="checkbox"/> Thunder / Lightning Storms</p> <p><input type="checkbox"/> Bay Area Silting</p> <p><input type="checkbox"/> Tornado</p> <p><input type="checkbox"/> Hazardous Materials (Chemical/Biological) Spills</p> <p><input type="checkbox"/> Landslide and Debris Flow</p>	<p><input type="checkbox"/> Land Subsidence</p> <p><input type="checkbox"/> Expansive Soils</p> <p><input type="checkbox"/> Hailstorm</p> <p><input type="checkbox"/> Tsunami</p> <p><input type="checkbox"/> Volcano</p>

**Potential Funding Sources:** HMGP, PDM, County resources, Town Staff, LAHCFD

**Responsible Department:** Public Works

**Target Completion Date:** ongoing

**Additional Comments / Status Report:** Santa Clara County issues notices to enforce defensible space requirements. Tree trimmings are picked up if residents leave them at the curb. Vegetation management programs are well advertised within Los Altos Hills.

**Problem Statement:** Survey respondents suggested various strategies to improve public education regarding the hazard risks and what to do to prepare.

- Project Description #3:** Develop additional public education and outreach programs such as:
- (1) partner with schools to “check your emergency supplies” at the beginning of each school year
  - (2) offer emergency supplies for sale
  - (3) “Sleep in your backyard” night event
  - (4) Neighborhood preparedness meetings
  - (5) Wildland fire preparedness education/outreach
  - (6) Large animal evacuation education/outreach
  - (7) Flood preparedness education/outreach

**Applicable Hazards**

<u>Significant</u>	<u>Moderate</u>	<u>Limited</u>
<p><b>Earthquakes</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Ground Shaking</li> <li><input checked="" type="checkbox"/> Liquefaction</li> <li><input checked="" type="checkbox"/> Surface Rupture</li> <li><input checked="" type="checkbox"/> Landslides</li> </ul> <p><b>Infrastructure Failure</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Electrical System</li> <li><input checked="" type="checkbox"/> Energy System</li> <li><input checked="" type="checkbox"/> Telecommunication System</li> <li><input checked="" type="checkbox"/> Transportation System</li> <li><input checked="" type="checkbox"/> Waste Water System</li> <li><input checked="" type="checkbox"/> Water System</li>   <li><input checked="" type="checkbox"/> Delta Levee Failure</li> <li><input checked="" type="checkbox"/> Wildfire</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Flood</li> <li><input checked="" type="checkbox"/> Drought</li> <li><input checked="" type="checkbox"/> Solar Storm</li> <li><input checked="" type="checkbox"/> Dam Failure</li> <li><input checked="" type="checkbox"/> Disease and Outbreak</li> <li><input checked="" type="checkbox"/> Freeze</li> <li><input checked="" type="checkbox"/> Wind (high winds)</li> <li><input checked="" type="checkbox"/> Extreme Heat</li> <li><input checked="" type="checkbox"/> Agricultural Pests</li> <li><input checked="" type="checkbox"/> Thunder / Lightning Storms</li> <li><input checked="" type="checkbox"/> Bay Area Silting</li> <li><input checked="" type="checkbox"/> Tornado</li> <li><input checked="" type="checkbox"/> Hazardous Materials (Chemical/Biological) Spills</li> <li><input checked="" type="checkbox"/> Landslide and Debris Flow</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Land Subsidence</li> <li><input checked="" type="checkbox"/> Expansive Soils</li> <li><input checked="" type="checkbox"/> Hailstorm</li> <li><input type="checkbox"/> Tsunami</li> <li><input type="checkbox"/> Volcano</li> </ul>

**Potential Funding Sources:** HMGP, PDM, County resources, Town Staff

**Responsible Department:** Emergency Management / Los Altos Hills County Fire

**Target Completion Date:** ongoing

**Additional Comments / Status Report:**

**Problem Statement:** Wildland fire is a significant threat which may cause the need for Los Altos Hills residents to evacuate. Evacuation routes have not been clearly identified within the Town of Los Altos Hills.

**Project Description #4:** Prepare a comprehensive evacuation plan focusing on potential wildland fire threats and identifying potential evacuation routes. The plan should address requirements to keep narrow streets clear, policies for fire roads and their access, as well as how paths may be used in the event of an evacuation.

**Applicable Hazards**

<u>Significant</u>	<u>Moderate</u>	<u>Limited</u>
<p><b>Earthquakes</b></p> <input type="checkbox"/> Ground Shaking <input type="checkbox"/> Liquefaction <input type="checkbox"/> Surface Rupture <input type="checkbox"/> Landslides	<input type="checkbox"/> Flood <input type="checkbox"/> Drought <input type="checkbox"/> Solar Storm <input type="checkbox"/> Dam Failure <input type="checkbox"/> Disease and Outbreak <input type="checkbox"/> Freeze <input type="checkbox"/> Wind (high winds) <input type="checkbox"/> Extreme Heat <input type="checkbox"/> Agricultural Pests <input type="checkbox"/> Thunder / Lightning Storms <input type="checkbox"/> Bay Area Silting <input type="checkbox"/> Tornado <input type="checkbox"/> Hazardous Materials (Chemical/Biological) Spills <input type="checkbox"/> Landslide and Debris Flow	<input type="checkbox"/> Land Subsidence <input type="checkbox"/> Expansive Soils <input type="checkbox"/> Hailstorm <input type="checkbox"/> Tsunami <input type="checkbox"/> Volcano
<p><b>Infrastructure Failure</b></p> <input type="checkbox"/> Electrical System <input type="checkbox"/> Energy System <input type="checkbox"/> Telecommunication System <input type="checkbox"/> Transportation System <input type="checkbox"/> Waste Water System <input type="checkbox"/> Water System  <input type="checkbox"/> Delta Levee Failure <input checked="" type="checkbox"/> Wildfire		

**Potential Funding Sources:** HMGP, PDM, County resources, Town Staff

**Responsible Department:** Los Altos Hills County Fire

**Target Completion Date:** ongoing

**Additional Comments / Status Report:**

**Problem Statement:** Wildland fire is a significant threat to Los Altos Hills. In depth analysis to comprehensively understand the vulnerabilities and identify protection measures has not been completed.

**Project Description #5:** Participate in County organized efforts to develop a countywide Community Wildfire Protection Plan.

**Applicable Hazards**

<b><u>Significant</u></b>	<b><u>Moderate</u></b>	<b><u>Limited</u></b>
<p><b>Earthquakes</b></p> <p><input type="checkbox"/> Ground Shaking</p> <p><input type="checkbox"/> Liquefaction</p> <p><input type="checkbox"/> Surface Rupture</p> <p><input type="checkbox"/> Landslides</p> <p><b>Infrastructure Failure</b></p> <p><input type="checkbox"/> Electrical System</p> <p><input type="checkbox"/> Energy System</p> <p><input type="checkbox"/> Telecommunication System</p> <p><input type="checkbox"/> Transportation System</p> <p><input type="checkbox"/> Waste Water System</p> <p><input type="checkbox"/> Water System</p> <p><input type="checkbox"/> Delta Levee Failure</p> <p><input checked="" type="checkbox"/> Wildfire</p>	<p><input type="checkbox"/> Flood</p> <p><input type="checkbox"/> Drought</p> <p><input type="checkbox"/> Solar Storm</p> <p><input type="checkbox"/> Dam Failure</p> <p><input type="checkbox"/> Disease and Outbreak</p> <p><input type="checkbox"/> Freeze</p> <p><input type="checkbox"/> Wind (high winds)</p> <p><input type="checkbox"/> Extreme Heat</p> <p><input type="checkbox"/> Agricultural Pests</p> <p><input type="checkbox"/> Thunder / Lightning Storms</p> <p><input type="checkbox"/> Bay Area Silting</p> <p><input type="checkbox"/> Tornado</p> <p><input type="checkbox"/> Hazardous Materials (Chemical/Biological) Spills</p> <p><input type="checkbox"/> Landslide and Debris Flow</p>	<p><input type="checkbox"/> Land Subsidence</p> <p><input type="checkbox"/> Expansive Soils</p> <p><input type="checkbox"/> Hailstorm</p> <p><input type="checkbox"/> Tsunami</p> <p><input type="checkbox"/> Volcano</p>

**Potential Funding Sources:** HMGP, PDM, County resources, Town Staff

**Responsible Department:** Los Altos Hills County Fire

**Target Completion Date:** to be determined

**Additional Comments / Status Report:** Santa Clara County is organizing stakeholders and resources to develop a countywide Community Wildfire Protection Plan.

**Problem Statement:** Seismic retrofits are costly for homeowners.

**Project Description #6:** Evaluate options and resources available to support home owners in completing seismic retrofits. These may include:

- (1) Provide retrofit instructions/plans/guidance
- (2) Refer to the California Earthquake Authority (CEA) Planned Incentive Programs through the California Residential Mitigation Program (CRMP) or the Santa Clara County Office of Affordable Housing

**Applicable Hazards**

**Significant**

**Earthquakes**

- Ground Shaking
- Liquefaction
- Surface Rupture
- Landslides

**Infrastructure Failure**

- Electrical System
- Energy System
- Telecommunication System
- Transportation System
- Waste Water System
- Water System
  
- Delta Levee Failure
- Wildfire

**Moderate**

- Flood
- Drought
- Solar Storm
- Dam Failure
- Disease and Outbreak
- Freeze
- Wind (high winds)
- Extreme Heat
- Agricultural Pests
- Thunder / Lightning Storms
- Bay Area Silting
- Tornado
- Hazardous Materials  
(Chemical/Biological) Spills
- Landslide and Debris Flow

**Limited**

- Land Subsidence
- Expansive Soils
- Hailstorm
- Tsunami
- Volcano

**Potential Funding Sources:** HMGP, PDM, County resources, Town Staff

**Responsible Department:** Planning Dept

**Target Completion Date:** to be determined

**Additional Comments / Status Report:**

**Problem Statement:** There are a considerable number of bridges and some highway overpasses within the Town of Los Altos Hills that are critical to maintaining the transportation network. The Town does not have a comprehensive inventory of all of the bridges due to differing ownership.

**Project Description #7:** Coordinate with the appropriate state and county agencies to develop a comprehensive list of bridges and overpasses within Los Altos Hills and who is responsible for their maintenance. Make this list available within the EOC for use in conducting priority inspections following an earthquake. Agencies to coordinate with include:

- (1) Cal Trans – completed an analysis of bridges and overpasses larger than 20 feet. Confirm that highway 280 meets appropriate seismic standards.
- (2) County Fire – maintains status of whether the bridge can support the weight of fire apparatus
- (3) County Roads & Airports

**Applicable Hazards**

<u>Significant</u>	<u>Moderate</u>	<u>Limited</u>
<p><b>Earthquakes</b></p> <p><input checked="" type="checkbox"/> Ground Shaking</p> <p><input checked="" type="checkbox"/> Liquefaction</p> <p><input checked="" type="checkbox"/> Surface Rupture</p> <p><input type="checkbox"/> Landslides</p> <p><b>Infrastructure Failure</b></p> <p><input type="checkbox"/> Electrical System</p> <p><input type="checkbox"/> Energy System</p> <p><input type="checkbox"/> Telecommunication System</p> <p><input type="checkbox"/> Transportation System</p> <p><input type="checkbox"/> Waste Water System</p> <p><input type="checkbox"/> Water System</p> <p><input type="checkbox"/> Delta Levee Failure</p> <p><input type="checkbox"/> Wildfire</p>	<p><input checked="" type="checkbox"/> Flood</p> <p><input type="checkbox"/> Drought</p> <p><input type="checkbox"/> Solar Storm</p> <p><input type="checkbox"/> Dam Failure</p> <p><input type="checkbox"/> Disease and Outbreak</p> <p><input type="checkbox"/> Freeze</p> <p><input type="checkbox"/> Wind (high winds)</p> <p><input type="checkbox"/> Extreme Heat</p> <p><input type="checkbox"/> Agricultural Pests</p> <p><input type="checkbox"/> Thunder / Lightning Storms</p> <p><input type="checkbox"/> Bay Area Silting</p> <p><input type="checkbox"/> Tornado</p> <p><input type="checkbox"/> Hazardous Materials (Chemical/Biological) Spills</p> <p><input type="checkbox"/> Landslide and Debris Flow</p>	<p><input type="checkbox"/> Land Subsidence</p> <p><input type="checkbox"/> Expansive Soils</p> <p><input type="checkbox"/> Hailstorm</p> <p><input type="checkbox"/> Tsunami</p> <p><input type="checkbox"/> Volcano</p>

**Potential Funding Sources:** HMGP, PDM, County resources, Town Staff

**Responsible Department:** Public Works

**Target Completion Date:** to be determined

**Additional Comments / Status Report:**

<b>Problem Statement:</b> Communications failure is likely in the event of a significant storm, earthquake, or other hazard. The Town does not have a good radio system.		
<b>Project Description #8:</b> Budget for and establish a town wide redundant communication system (e.g. radios) for use during a disaster event where phone lines, cellular networks, and internet are not available.		
<b>Applicable Hazards</b>		
<u><b>Significant</b></u>  <b>Earthquakes</b> <input checked="" type="checkbox"/> Ground Shaking <input checked="" type="checkbox"/> Liquefaction <input checked="" type="checkbox"/> Surface Rupture <input checked="" type="checkbox"/> Landslides  <b>Infrastructure Failure</b> <input checked="" type="checkbox"/> Electrical System <input checked="" type="checkbox"/> Energy System <input checked="" type="checkbox"/> Telecommunication System <input checked="" type="checkbox"/> Transportation System <input checked="" type="checkbox"/> Waste Water System <input checked="" type="checkbox"/> Water System  <input checked="" type="checkbox"/> Delta Levee Failure <input checked="" type="checkbox"/> Wildfire	<u><b>Moderate</b></u>  <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Solar Storm <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> Disease and Outbreak <input checked="" type="checkbox"/> Freeze <input checked="" type="checkbox"/> Wind (high winds) <input checked="" type="checkbox"/> Extreme Heat <input checked="" type="checkbox"/> Agricultural Pests <input checked="" type="checkbox"/> Thunder / Lightning Storms <input checked="" type="checkbox"/> Bay Area Silting <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Hazardous Materials (Chemical/Biological) Spills <input checked="" type="checkbox"/> Landslide and Debris Flow	<u><b>Limited</b></u>  <input checked="" type="checkbox"/> Land Subsidence <input checked="" type="checkbox"/> Expansive Soils <input checked="" type="checkbox"/> Hailstorm <input checked="" type="checkbox"/> Tsunami <input checked="" type="checkbox"/> Volcano
<b>Potential Funding Sources:</b> Capital Improvement Program, County resources, Town Staff		
<b>Responsible Department:</b> City Manager		
<b>Target Completion Date:</b> to be determined		
<b>Additional Comments / Status Report:</b>		

## 23.7 PLAN MAINTENANCE

### 23.7.1 Monitoring, evaluating, updating the plan

The Town of Los Altos Hills City Manager will be responsible for ensuring that this annex is monitored on an on-going basis. However, the major disasters affecting Los Altos Hills' community, legal changes, notices from ABAG (as the lead agency in this process), notices from Santa Clara County (lead agency for the County-wide Annex), and other triggers will be used as well. Finally, the Annex will be a discussion/work item on the Town's Disaster Council agenda each year. Department heads, town staff, and other Disaster Council stakeholders will evaluate the Annex to identify progress that has been made and items to be updated in the next revision of this Annex. This

group, in collaboration with Santa Clara County, will be responsible for determining if the plan should be updated before the 5 year expiration.

The Town of Los Altos Hills is committed to reviewing and updating this plan annex at least once every five years, as required by the Disaster Mitigation Act of 2000. The City Manager will contact ABAG to ensure that ABAG plans to undertake the next plan update process. If so, the Town plans to participate in the multi-jurisdictional plan. If ABAG is unwilling or unable to act as the lead agency in the multi-jurisdictional effort, other agencies will be contacted, including the Santa Clara County Office of Emergency Services. The jurisdictions within Santa Clara County should continue to work together on updating this multi-jurisdictional plan.

The public will continue to be involved whenever the plan is updated or as appropriate during the monitoring and evaluation process. Prior to adoption of updates, the Town will provide the opportunity for the public to comment on the updates. A public notice will be published prior to the meeting to announce the comment period and meeting logistics. Moreover, the Town will engage stakeholders in community emergency planning.

### **23.7.2 Point of Contact**

Comments or suggestions regarding this plan may be submitted at any time to the Los Altos Hills City Manager.

Contact information: Carl Cahill, [ccahill@losaltoshills.ca.gov](mailto:ccahill@losaltoshills.ca.gov), (650) 947-2514

## **23.8 TOWN OF LOS ALTOS HILLS APPENDIX**

### **23.8.1 Los Altos Hills Attachment 1: Outreach Materials**

The Town of Los Altos Hills notified residents and businesses of the hazard mitigation planning process by distributing promotional announcements regarding the public opportunity to respond to the online survey. This Attachment includes those outreach materials.

## Bartshire, Corinne

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**From:** Mike Sanders [<mailto:mike.sanders@cnt.sccgov.org>]  
**Sent:** Wednesday, May 22, 2013 1:54 PM  
**Cc:** Deborah Padovan  
**Subject:** CERT Info and Town Survey

Once again thanks to all of you who attended the CERT drill on May 15th.

The Town of Los Altos Hills is doing a Local Hazard Mitigation Survey and would like feedback from all of our CERT members, even if you do not live in the Town of Los Altos Hills please take your time to complete the survey

Go to the following link <http://www.losaltoshills.ca.gov/> to fill out the survey. On the Town Home page on the left side you will see Announcements, click on the Local Hazard Mitigation Plan Survey, on the second page at the top is the link to the survey monkey site. It takes about 2-3 minutes to fill out, more if you want to expand on your answers.

Several of you have asked about the new FRS radios we bought for the ARK. They are Uniden GMR4040-2ckhs, cost was around \$60 at Walmart.com

Terry Smith, a Ham Radio operator send this out a while back, thought I would pass it along in case you want to try it.

If you have an Apple or Android smart phone and are interested in police/fire scanner capability, these are pretty interesting apps to have loaded on your phone:

For iPhones: **5-O Radio** (that is the letter "O", not Zero)

For Android Phones: **Scanner Radio**

I tried Scanner Radio on my Samsung Android phone and selected the combo feed for [Santa Clara County Sheriff/Police/Fire/CHP/CALFIRE](#). Lots of fire department traffic. There are also feeds for several 2-meter ham repeaters.

If something 'big' happens, and you don't have your ham radio or a scanner handy, this is a backup way to find out what is happening (if the cellular data infrastructure is working). Sent from Terry Smith.

Make sure you check out the LAHCFD Web site for upcoming drills and activities for our CERT members. Since I have been asked many times about 1st aid classes we will be starting to offer these class for CERT members only in the fall.

It might take a couple of days for our web master to enter all of the classes so if you don't see it today check back later.

Have a great summer and thanks for being a part of our CERT program.

Michael Sanders  
Emergency Services Coordinator  
Santa Clara County Fire Department  
Proudly Serving Los Altos Hills County Fire District

650-922-1055

For more information on the Los Altos Hills County Fire District go to [www.LAHCFD.org](http://www.LAHCFD.org)

## Bartshire, Corinne

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**From:** Deborah Padovan [dpadovan@losaltoshills.ca.gov]  
**Sent:** Thursday, May 16, 2013 3:41 PM  
**To:** Gary Waldeck; John Radford; Courtenay Corrigan; John Harpootlian (harpootlian@gmail.com); Rich Larsen  
**Cc:** Carl Cahill  
**Subject:** Local Hazard Mitigation Plan Update  
**Attachments:** LosAltosHillsLHMP -Annex.pdf

Dear Mayor and Councilmembers,

The Town is in the process of updating the Local Hazard Mitigation Plan (LHMP) that will align the Town with Santa Clara County's plan. We are working with Dewberry Consultants who are assisting with the update. The Town's LHMP was last updated in 2006 (please see attached). The LHMP update will be presented to City Council for review and approval prior to sending to the County. You may visit the County's site here: <http://www.sccgov.org/sites/oes/PlansPublications/Pages/LHMP.aspx> Please note that Los Altos Hills and Milpitas will be the last two cities added to the update.

The purpose of the LHMP update is to assess local risk to natural hazards, implement actions through mitigation measures to reduce future losses, and maintain eligibility for federal mitigation funds in accordance with the Disaster Mitigation Act of 2000. FEMA defines mitigation as any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards. The Federal Disaster Mitigation Act of 2000 requires all local governments to create such a disaster plan in order to qualify for federal mitigation funding. Having an up to date LHMP makes us eligible for pre-disaster grant funds from FEMA.

One of the first steps in the process is to seek public input via an online survey designed by the County of Santa Clara to ensure a comprehensive planning process.

We are sending it to you first so you are aware and plan to place the survey on the Town's website on Tuesday, May 21, 2013. We will also send an email using the Town's email list and the Town Crier to inform residents of the survey.

The URL to view and respond to the survey is: <http://www.surveymonkey.com/s/LAHLHMP>

Finally, to learn more about Local Hazard Mitigation please visit: [http://hazardmitigation.calema.ca.gov/plan/local\\_hazard\\_mitigation\\_plan\\_lhmp](http://hazardmitigation.calema.ca.gov/plan/local_hazard_mitigation_plan_lhmp)

Thank you.

**Deborah L. Padovan**  
**City Clerk**  
Town of Los Altos Hills  
26379 Fremont Road  
Los Altos Hills, CA 94022  
Phone: 650-947-2513

## Bartshire, Corinne

---

**From:** Deborah Padovan [dpadovan@losaltoshills.ca.gov]  
**Sent:** Thursday, June 06, 2013 10:30 AM  
**To:** Bartshire, Corinne  
**Subject:** FW: Town of Los Altos Hills Announcement - Public Input Requested

Corinne,

We sent this email out to approximately 1400 email addresses who signed up to receive notification from the Town.

Deborah

---

**From:** Town of Los Altos Hills [mailto:dpadovan@losaltoshills.ca.gov]  
**Sent:** Thursday, June 06, 2013 10:22 AM  
**To:** Deborah Padovan  
**Subject:** Town of Los Altos Hills Announcement - Public Input Requested



For Immediate Release  
Town of Los Altos Hills  
Contact: Deborah Padovan  
650-941-7222

Survey Link:  
<http://www.surveymonkey.com/s/LAHLHMP>

### **Public Input Requested to Help Los Altos Hills Become More Resilient to Natural Hazards**

**Los Altos Hills, California** - Are you at risk from earthquakes, wildfires, flooding or power outages? It's likely that most people living or working in Santa Clara County have experienced some of these hazards or natural disasters. Do you want to increase the chances that you can recover from disasters and prevent future damage from these kinds of hazards? Public input is requested as Los Altos Hills updates its Local Hazard Mitigation Plan (LHMP). Your input is crucial to creating a more resilient community.

The purpose of the LHMP update is to assess local risk to natural hazards, implement actions through mitigation measures to reduce future losses, and maintain eligibility for federal mitigation funds in accordance with the Disaster Mitigation Act of 2000. FEMA defines mitigation as any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards. Studies have shown that for every dollar spent on mitigation efforts, 4 dollars in response and recovery costs are saved. The LHMP update is being developed by a Hazard Mitigation Planning Committee comprised of representatives from various Town and local agencies. The

Town is currently seeking public input via an online survey to ensure a comprehensive planning process.

The online survey is designed to collect input on the following kinds of questions:

1. How would you prioritize the hazards facing Los Altos Hills?
2. What actions can we take to reduce future damage?
3. How can local government officials better communicate risk to the public?

Residents of Los Altos Hills are welcome to submit their input via the online survey by **June 21<sup>st</sup>, 2013**.

Survey Link: <http://www.surveymonkey.com/s/LAHLHMP>

Public comments will be reviewed by the Hazard Mitigation Planning Team and incorporated into the final plan as appropriate. A review draft of the complete plan update will be made available for public review in September 2013. Individuals or organizations interested in being contacted regarding the completed review draft are asked to provide contact information in their survey response.

The Los Altos Hills Local Hazard Mitigation Plan (LHMP) identifies risks and ways to minimize damage from natural disasters. The plan is a comprehensive resource document that serves to enhance public awareness, creates a decision tool for policy makers, promotes compliance with State and Federal program requirements, and enhance local policies for risk reduction capabilities. The Federal Disaster Mitigation Act of 2000 requires all local governments to create such a disaster plan in order to qualify for federal mitigation funding.

Adoption of the LHMP by the City Council and approval by the Federal Emergency Management Agency as conformant with Title 44 Code of Federal Regulations (CFR) Part 201.6 Local Mitigation Plans will ensure the Town eligibility for project grants under FEMA's hazard mitigation assistance programs, including the Hazard Mitigation Grant Program, Pre-Disaster Mitigation, Flood Mitigation Assistance and Severe Repetitive Loss grant programs.

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Questions regarding the online survey and mitigation planning process may be directed to the Town's consultant, Corinne Bartshire at [cbartshire@dewberry.com](mailto:cbartshire@dewberry.com) or 916.380.3776.

Add any trademarks here

[Forward this email](#)



This email was sent to [dpadovan@losaltoshills.ca.gov](mailto:dpadovan@losaltoshills.ca.gov) by [dpadovan@losaltoshills.ca.gov](mailto:dpadovan@losaltoshills.ca.gov) | [Update Profile/Email Address](#) | Instant removal with [SafeUnsubscribe™](#) | [Privacy Policy](#).  
Town of Los Altos Hills | 26379 Fremont Road | Los Altos Hills | CA | 94022



## **News Release**

Deborah Padovan, City Clerk  
650-941-7222  
[dpadovan@losaltoshills.ca.gov](mailto:dpadovan@losaltoshills.ca.gov)

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Survey Link: <http://www.surveymonkey.com/s/LAHLHMP>

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Questions regarding the online survey and mitigation planning process may be directed to the Town's consultant, Corinne Bartshire at [cbartshire@dewberry.com](mailto:cbartshire@dewberry.com) or 916.380.3776.

###

# Los Altos Hills Mitigation Plan

The Town of Los Altos Hills is currently updating its local annex to "Taming Natural Disasters: Multi-Jurisdictional Local Hazard Mitigation Plan for the San Francisco Bay Area" (<http://quake.abag.ca.gov/mitigation/>).

Your thoughts on natural hazard risk and mitigation are a critical component to the planning process. With your input, the Town will be able to increase resiliency to natural hazards and reduce future damage to our community.

We know you are busy and respectfully request a few moments of your time to respond to the brief survey below.

## \*1. Using the drop down menu, please select the jurisdiction in which you live.

Choose One

Santa Clara County

Jurisdictions:

## \*2. What is the ZIP code of your home?

## 3. Santa Clara County's Hazard Mitigation Planning Team identified the following hazards as having a potential to impact Santa Clara County. Please mark the FIVE (5) hazards that are of most concern to your neighborhood or home.

- |   |  |
|---|--|
| <input type="checkbox"/> Agricultural Pests and Diseases                  | <input type="checkbox"/> Infrastructure: Water System Disruption (no potable water)                    |
| <input type="checkbox"/> Bay Area Silting                                 | <input type="checkbox"/> Infrastructure: Electrical System Disruption (no power)                       |
| <input type="checkbox"/> Dam Failure                                      | <input type="checkbox"/> Infrastructure: Energy System Disruption (no gas)                             |
| <input type="checkbox"/> Delta Levee Failure                              | <input type="checkbox"/> Infrastructure: Wastewater System Disruption (sewer backup)                   |
| <input type="checkbox"/> Disease and Outbreak                             | <input type="checkbox"/> Infrastructure: Telecommunication System Disruption (no phone / cell service) |
| <input type="checkbox"/> Drought  | <input type="checkbox"/> Infrastructure: Transportation Disruption (blocked roads / failed bridges)    |
| <input type="checkbox"/> Earthquake: Ground Shaking                       | <input type="checkbox"/> Land Subsidence (soil compaction due to subsurface water removal)             |
| <input type="checkbox"/> Earthquake: Landslides                           | <input type="checkbox"/> Landslide and Debris flow   |
| <input type="checkbox"/> Earthquake: Liquefaction                         | <input type="checkbox"/> Solar Storm   |
| <input type="checkbox"/> Earthquake: Surface Rupture                      | <input type="checkbox"/> Thunder/Lightning Storms  |
| <input type="checkbox"/> Expansive Soils                                  | <input type="checkbox"/> Tornado   |
| <input type="checkbox"/> Flood  | <input type="checkbox"/> Tsunami   |
| <input type="checkbox"/> Freeze   | <input type="checkbox"/> Volcano   |
| <input type="checkbox"/> Hailstorm  | <input type="checkbox"/> Wildfire  |
| <input type="checkbox"/> Hazardous Materials Spills (chemical/biological) | <input type="checkbox"/> Wind (high winds)   |
| <input type="checkbox"/> Heat (extreme heat)                              |  |

Please list any additional hazards that present a threat to your neighborhood or home.

# Los Altos Hills Mitigation Plan

**4. If a severe hazard event occurred today (large earthquake or dam failure) such that all services were cut off from your home (power, gas, water, sewer) and you were unable to leave or access a store for 72 hours, which of these items do you have readily available?**

- Potable Water (3 gallons per person)
- Canned / Non-perishable Foods (ready to eat)
- Portable AM/FM Radio (solar powered, hand crank, or batteries)
- Handheld "Walkie-Talkie" Radios (with batteries)
- Flashlight (with batteries)
- Extra Medications
- First Aid Kit
- Blanket(s)
- Cash
- Important Family Photos/Documentation in a water and fire proof container

What else do you have in your emergency kit?

For more information on preparing an emergency kit, please visit: <http://www.ready.gov/america/getakit/index.html>

**5. Are you familiar with the special needs of your neighbors in the event of a disaster situation?**

- Yes
- No

**6. Are you a trained member of your Community Emergency Response Team (CERT)? (Note: your community may use a different name than CERT such as SNAP, PANDA, San Jose Prepared, HEAT, SAFE, etc)**

- Yes
- No, I would like to learn more about CERT.
- No, I am not interested in being a trained CERT member.

For more information about CERT, please visit: [www.citizencorps.gov/cert](http://www.citizencorps.gov/cert). Please share with us why you are a trained CERT member or why you are not yet part of CERT.

# Los Altos Hills Mitigation Plan

## 7. What is the most important thing local government can do to help communities be more prepared for a disaster?

## 8. Do you live in an apartment building or home with living space above a garage or parking area?

- Yes
- No

If yes, please describe your level of concern for the building to collapse in a large earthquake event (none, little, moderate, high, extremely concerned)

## 9. If you are a homeowner, do you have adequate basic homeowners insurance to cover the hazards that could impact your home?

- Yes, my insurance coverage should be adequate
- No, I don't believe my insurance coverage would be adequate for a major disaster
- Unsure
- I do not have an insurance policy
- Not applicable, I rent my current residence

## 10. Do you have earthquake insurance for your home?

- Yes, I own my home and have earthquake insurance.
- Yes, I rent my home and have earthquake insurance.
- No, but I am interested in reviewing earthquake insurance options (<http://www.earthquakeauthority.com/>).
- No, earthquake insurance is too expensive.
- No, I do not need earthquake insurance.

## 11. Do you have flood insurance for your home?

- Yes, I own my home and have flood insurance.
- Yes, I rent my home and have flood insurance.
- No, but I am interested in reviewing flood insurance options (<http://www.floodsmart.gov/floodsmart/>).
- No, I do not need flood insurance.

# Los Altos Hills Mitigation Plan

**12. Please note any additional insurance you have for your home or property. (fire, renter's insurance, etc.)**

**13. What are you doing on your property or within your home to reduce future damage from the identified hazards in question #2? (choose all that apply)**

- Seismic retrofit of the structure and / or foundation
- House elevation or first floor modification to prevent flood damage
- Installed backflow prevention device(s)
- Defensible space landscaping (clear vegetation around house to reduce wildfire risk)
- Roof retrofit using fire resistant material
- Strengthened openings (Doors, windows, and/or garage door to reduce high-hazard wind risk)

Other (please specify)

**14. Do you work in Santa Clara County?**

- Yes
- No

If yes, please provide your workplace zip code.

**15. Is your place of work in an area susceptible to natural hazards? (select all that apply)**

- High-risk flood zone
- Earthquake fault zone
- Liquefaction zone
- Landslide Risk Area
- Wildland Urban Interface (wildfire risk area)
- I don't know

Other (please specify)

**16. Does your employer have a plan for disaster recovery in place?**

- Yes
- No
- I don't know

# Los Altos Hills Mitigation Plan

**17. Does your employer have a workforce communications plan to implement following a disaster so they may contact you?**

- Yes
- No
- I don't know

**18. Please list any studies you are aware of conducted within your community or the county regarding the risk to future hazard events (i.e. unreinforced masonry or soft story building inventories, dam inundation analyses, etc.)**

**19. What recommendations do you have for local government to improve identification, prioritization, and implementation of actions intended to reduce future damage and increase resiliency (i.e., retrofit infrastructure, upgrade building codes)?**

**20. Please recommend any companies or local associations that should be involved in the Town of Los Altos Hills hazard mitigation planning process.**

#1 Company/Association Name:

Contact Name:

Contact Email:

Contact Phone Number:

#2 Company/Association Name:

Contact Name:

Contact Email:

Contact Phone Number:

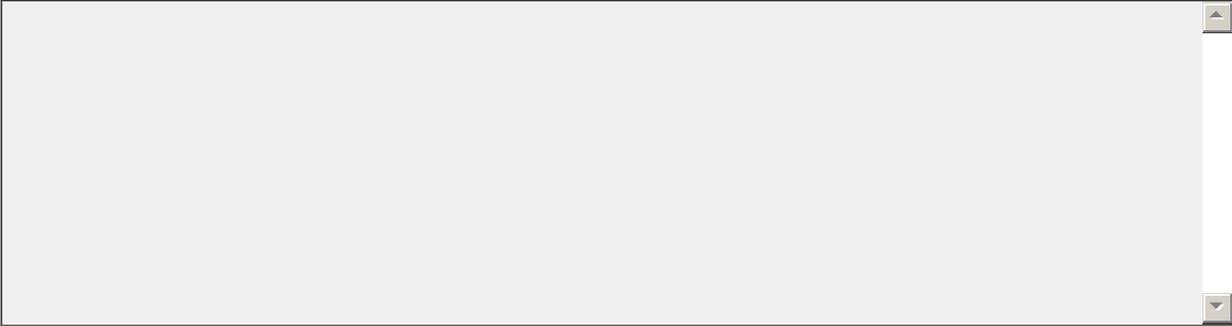
**21. Would you like to review and comment on a draft of the Town of Los Altos Hills Hazard Mitigation Plan?**

- Yes
- No

If yes, please provide your name and email address.

# Los Altos Hills Mitigation Plan

**22. Please provide us with any additional comments/suggestions/questions that you have regarding your risk to future hazard events.**



Thank you for taking the time to complete this survey. If you have any questions regarding this survey you may contact Corinne Bartshire at [cbartshire@dewberry.com](mailto:cbartshire@dewberry.com) or 916.380.3776.



# Los Altos Hills Residents Survey Participation



The Town of Los Altos Hills is currently updating its Local Hazard Mitigation Plan (LHMP), which identifies local risk to natural hazards, implements actions through mitigation measures to reduce future losses, and maintains eligibility for federal mitigation funds.

Please participate in making Los Altos Hills more resilient, and share your concerns by responding to a survey by June 21, 2013.

<http://www.surveymonkey.com/s/LAHLHMP>

More information is available on the Town website: <http://www.losaltoshills.ca.gov>, or by contacting the City Clerk at 650-941-7222

Ad Placed in the Town Crier



May 21, 2013 – Mitigation Plan Survey is posted on main city webpage – Link goes directly to PDF of the press release.

May 31, 2013 – Los Altos Patch published an online article regarding the hazard mitigation plan and online survey.

http://losaltos.patch.com/groups/politics-and-elections/p/los-altos-hills-weigh-in-c... | Inboxes: corinne.barbshire@gm... | Los Altos Hills: Weigh In On...

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### Los Altos Hills: Weigh In On Disaster Plan Survey

Residents' input will be used to create a plan that makes the town eligible for grants and waives a matching funds requirement for assistance in the event of a disaster.

Posted by L.A. Chung (Editor), May 30, 2013 at 11:08 pm

Comment | Recommend | Like | Tweet



Boards All Boards

Make an announcement, speak your mind, or sell something

Post

Congratulations and Best Wishes!

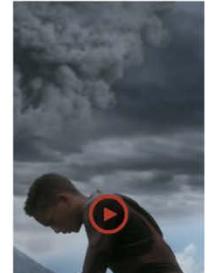
Congratulations to the AVID students at Los Altos High School who are graduating today! You...

Announcements May 31, 2013 at 09:16 am

Andrea Gorman

After Earth

Now Playing in Theaters



http://losaltos.patch.com/groups/politics-and-elections/p/los-altos-hills-weigh-in-c... | Inboxes: corinne.barbshire@gm... | Los Altos Hills: Weigh In On...

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City officials joked that the corporation yard building, after its renovation last year, would be the sturdiest building to run to after an earthquake.



Contributed by Deborah Padovan, Town of Los Altos Hills

Are you at risk from earthquakes, wildfires, flooding or power outages? It's likely that most people living or working in Santa Clara County have experienced some of these hazards or natural disasters.

Do you want to increase the chances that you can recover from disasters and prevent future damage from these kinds of hazards?

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You...

Announcements May 31, 2013 at 09:16 am

Andrea Gorman

**Business Partners**

Business Partners, please see us at: [www.FindFranchisePartners.com](http://www.FindFranchisePartners.com)

Buy | Sell | Trade May 30, 2013 at 03:48 pm

Find Franchise Partners

**Los Altos School District Instrument Drive**

LASD Instrument Drive

Music enriches lives, and LASD is dedicated to offering instrumental...

Announcements May 29, 2013 at 09:23 am

Stephanie Tyson

**StarLight CareGivers Announces New Weekly Charity Yoga Class...**

All Ages, Skills Welcome -- 100 Percent of Profit



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22101 | Fri 6:01 | SEARCH | moviezine

Enter your zip code to find showtimes



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<http://losaltos.patch.com/groups/announcements/p/starlight-caregivers-announces-new-weekly-charity-yoga-class-to-benefit-athletes-associat...> survey

**StarLight CareGivers Announces New Weekly Charity Yoga Class...**  
All Ages, Skills Welcome -- 100 Percent of Profit Donated

StarLight CareGivers, Inc., &...



**Announcements** May 24, 2013 at 12:32 pm  
+ StarLight CareGivers

**New Educational Resource to Prepare Clinicians for Genomic...**  
Mountain View, Calif. -- May 23, 2013. The Genomic Medicine Institute (GMI) at El Camino...

**Announcements** May 23, 2013 at 03:06 pm  
+ Adam Pryor

**FIRST 5 Santa Clara County Releases**

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**GENOMIC MEDICINE Institute (GMI) at El Camino...**  
**Announcements** May 23, 2013 at 03:06 pm  
+ Adam Pryor

**FIRST 5 Santa Clara County Releases Podcast on Working...**  
On the heels of Mother's Day--and as Facebook COO Sheryl Sandberg's book advising women to...

**Announcements** May 22, 2013 at 02:00 pm  
+ Katherine Choutrau

**Bullis Charter School People should not lose sight of the main effect of Bullis Charter School as it has grown over...**  
**opinion** May 21, 2013 at 10:43 pm  
+ David R.

**Collage Vocal Ensemble (Los Altos, CA) Auditions, July 2013**  
The Collage Vocal Ensemble a fine Altos...



Disaster Mitigation, Flood Mitigation Assistance and Severe Repetitive Loss grant programs.

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Commented · Karolinnvand · Like · Tweet

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### Comments

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10:43 pm  
David R.

### Collage Vocal Ensemble (Los Altos, CA) Auditions, July 2013

The Collage Vocal Ensemble, a Los Altos-based mixed chamber choir, will be holding auditions...

Announcements May 21, 2013 at 07:23 pm  
Amy Stuart Hum.

### Pinewood is Making a Difference!

The Pinewood Middle Campus Fifth Grade Girl Scouts Group organized a successful book drive...

Announcements May 21, 2013 at 03:14 pm  
Keri Borzello

### Three Premieres in San Carlos Summer Concert by New...

Save the date: June

Feedback



## **News Release**

Deborah Padovan, City Clerk  
650-941-7222

[dpadovan@losaltoshills.ca.gov](mailto:dpadovan@losaltoshills.ca.gov)



[LAH Local Hazard Mitigation Plan Review Draft](#)

### **Announcing the Release of the Los Altos Hills Local Hazard Mitigation Plan Review Draft**

**Los Altos Hills, CA, September 20, 2013** – Your review and comment is being solicited for the Review Draft of the Los Altos Hills Local Hazard Mitigation Plan (LHMP). It is available for download on the Town’s website at [www.losaltoshills.ca.gov](http://www.losaltoshills.ca.gov). On **October 3, 2013**, the Los Altos Hills Planning Commission will host a study session on the draft hazard mitigation plan and receive public comments. More information on the Planning Commission meeting may be found at <http://www.losaltoshills.ca.gov/city-government/planning-commission>.

The hazard mitigation plan provides an evaluation of pertinent natural hazards and the Town’s vulnerability to them. Several risk reduction actions are noted within the plan for the Town’s consideration. It has been prepared by a hazard mitigation planning team of representatives from various Town departments and will be adopted by the City Council following revisions made as a result of the comments received during the current review period. Comments on this draft will be received until **October 18, 2013**. They may be submitted to the Town’s consultant, Corinne Bartshire, at [cbartshire@dewberry.com](mailto:cbartshire@dewberry.com). She may also be reached via phone at 916.380.3776.

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## Bartshire, Corinne

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**From:** Deborah Padovan [dpadovan@losaltoshills.ca.gov]  
**Sent:** Friday, September 20, 2013 2:02 PM  
**Cc:** Debbie Pedro; Bartshire, Corinne  
**Subject:** Announcing the Release of the Los Altos Hills Local Hazard Mitigation Plan Review Draft

Dear Interested Party,

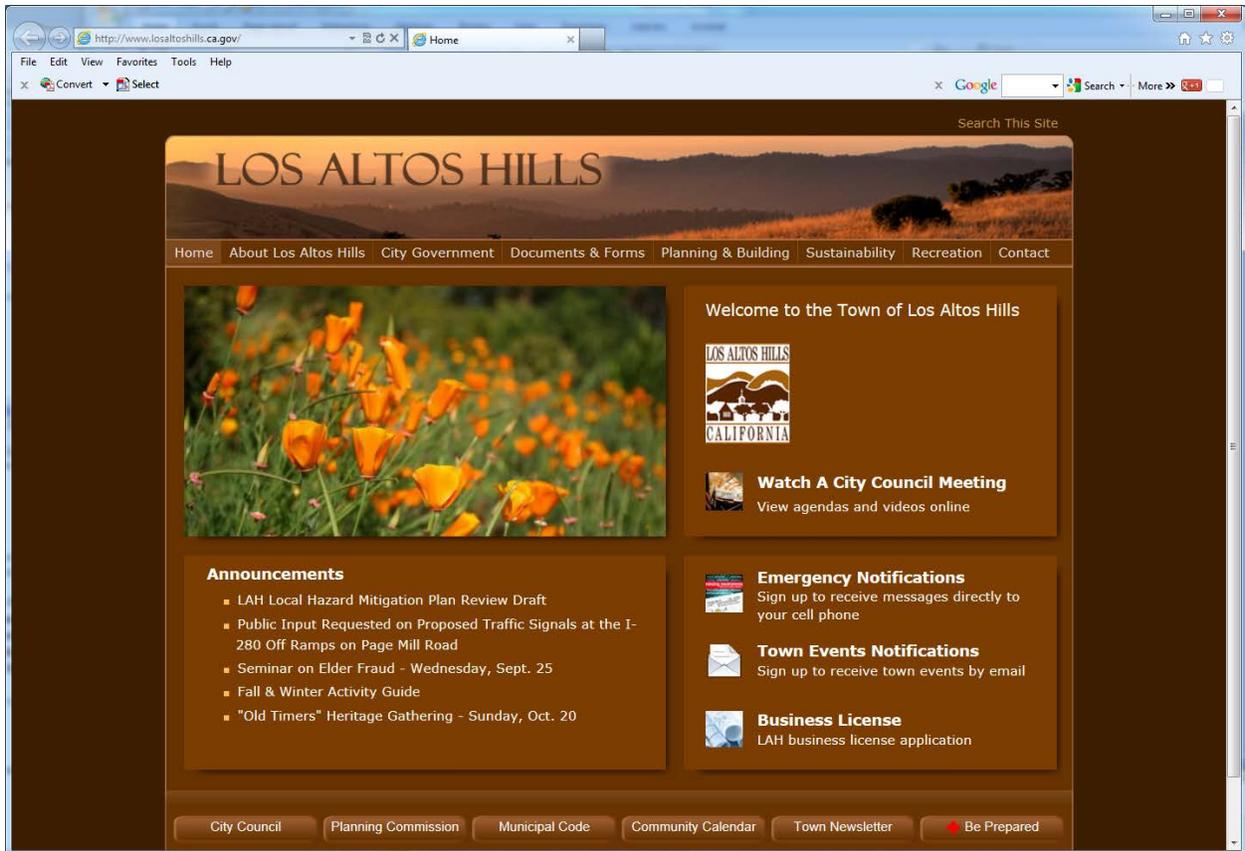
Thank you for your interest in the Los Altos Hills hazard mitigation planning process. Effectively reducing risk and increasing resiliency across the Town requires participation by all members of the community. Your input is extremely valuable. *If you believe you are receiving this email in error, and do not wish to receive further emails on this matter, please reply with UNSUBSCRIBE in the subject.*

As a member of the Los Altos Hills community, we are pleased to share with you that the updated draft Local Hazard Mitigation Plan is now available for your review and comment. You may view it: <http://www.losaltoshills.ca.gov/> (under Announcements). You are also welcome to attend the Planning Commission study session on this plan on October 3, 2013 at 7:00 pm in the Town Hall Council Chambers, 26379 Fremont Road.

**Comments on the draft hazard mitigation plan will be received until October 18, 2013.** Please submit them to the Town's mitigation planning consultant, Corinne Bartshire, at [cbartshire@dewberry.com](mailto:cbartshire@dewberry.com). She may also be contacted via phone at 916.380.3776. All comments will be reviewed by the Town's Hazard Mitigation Planning Team and incorporated into the final plan as appropriate.

Thank you for your time and interest. Please forward this message to your friends, family, and colleagues within Los Altos Hills in the event they wish to comment.

**Deborah L. Padovan**  
**City Clerk**  
Town of Los Altos Hills  
26379 Fremont Road  
Los Altos Hills, CA 94022  
Phone: 650-947-2513



September 20, 2013 – Town of Los Altos Hills released the draft hazard mitigation plan for public review and comment. Comment period open through October 18, 2013.

### 23.8.2 Los Altos Hills Attachment 2: Los Altos Hills Strategies 2010

The Town of Los Altos Hills participated in ABAG's revision of the regional strategies for development of this annex. Appendix G of Taming Natural Hazards presents a summary list of mitigation strategies with regional priorities and the hazards mitigated. The City ranked those strategies in a spreadsheet provided by ABAG. The first part of this attachment is a summary of those rankings. The second part of this attachment is a summary of the priority strategies containing comments developed by the Local Planning Team upon review during the development of this annex. The third part of this attachment is a summary of the existing programs identified by the City with comments developed by the Local Planning Team upon review during the development of this annex.

## JURISDICTION: LosAltosHills

Strategy	Priority	Responsible Agency or Department	Comments
<a href="#">ECON-a-1</a>	High	Engineering and Planning	
<a href="#">ECON-a-2</a>	High	Planning	
<a href="#">ECON-b-1</a>	n/a		
<a href="#">ECON-b-2</a>	n/a		
<a href="#">ECON-b-3</a>	n/a		
<a href="#">ECON-b-4</a>	n/a		
<a href="#">ECON-b-5</a>	n/a		
<a href="#">ECON-b-6</a>	n/a		
<a href="#">ECON-b-7</a>	n/a		
<a href="#">ECON-b-8</a>	n/a		
<a href="#">ECON-b-9</a>	n/a		
<a href="#">ECON-c-1</a>	n/a		
<a href="#">ECON-c-2</a>	n/a		
<a href="#">ECON-c-3</a>	n/a		
<a href="#">ECON-c-4</a>	n/a		
<a href="#">ECON-d-1</a>	n/a		
<a href="#">ECON-d-2</a>	NYC/blank		
<a href="#">ECON-d-3</a>	n/a		
<a href="#">ECON-e-1</a>	High	Santa Clara County Fire Department	
<a href="#">ECON-e-2</a>	High	Santa Clara County Fire Department	
<a href="#">ECON-e-3</a>	High	Santa Clara County Fire Department	
<a href="#">ECON-e-4</a>	High	Santa Clara County Fire Department	
<a href="#">ECON-e-5</a>	High	Santa Clara County Fire Department	
<a href="#">ECON-e-6</a>	High	Santa Clara County Fire Department	
<a href="#">ECON-e-7</a>	High	Santa Clara County Fire Department	
<a href="#">ECON-e-8</a>	High	Santa Clara County Fire Department	
<a href="#">ECON-e-9</a>	NYC		
<a href="#">ECON-e-10</a>	NYC		
<a href="#">ECON-e-11</a>	NYC		
<a href="#">ECON-e-12</a>	High	Santa Clara County Fire Department	
<a href="#">ECON-e-13</a>	NYC		
<a href="#">ECON-f-1</a>	n/a		
<a href="#">ECON-f-2</a>	n/a		
<a href="#">ECON-f-3</a>	High	ENGINEERING	
<a href="#">ECON-f-4</a>	n/a		
<a href="#">ECON-f-5</a>	n/a		
<a href="#">ECON-f-6</a>	n/a		
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<a href="#">ECON-f-8</a>	n/a		
<a href="#">ECON-f-9</a>	n/a		
<a href="#">ECON-g-1</a>	High	ENGINEERING	
<a href="#">ECON-g-2</a>	High	ENGINEERING	
<a href="#">ECON-h-1</a>	n/a		
<a href="#">ECON-h-2</a>	High	ENGINEERING BUILDING AND PLANNING	
<a href="#">ECON-h-3</a>	High	ENGINEERING BUILDING AND PLANNING	
<a href="#">ECON-i-1</a>	NYC		
<a href="#">ECON-i-2</a>	NYC		
<a href="#">ECON-i-3</a>	NYC		
<a href="#">ECON-i-4</a>	NYC		
<a href="#">ECON-i-5</a>	High	PLANNING ENGINEERING	
<a href="#">ECON-i-6</a>	High	PLANNING ENGINEERING	
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<a href="#">ECON-i-2</a>	High	COUNTY FIRE DEPARTMENT	
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<a href="#">ECON-i-4</a>	n/a		
<a href="#">ECON-i-5</a>	High	Town and County Fire Department	
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<a href="#">ECON-i-7</a>	n/a		
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<a href="#">ECON-i-9</a>	High	COUNTY FIRE DEPARTMENT	
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<a href="#">ECON-i-11</a>	n/a		
<a href="#">ECON-i-12</a>	n/a		
<a href="#">ECON-i-13</a>	High	TOWN AND COUNTY FIRE DEPARTMENT	
<a href="#">EDUC-a-1</a>	n/a		
<a href="#">EDUC-a-2</a>	n/a		
<a href="#">EDUC-a-3</a>	n/a		
<a href="#">EDUC-a-4</a>	n/a		
<a href="#">EDUC-a-5</a>	NYC		
<a href="#">EDUC-a-6</a>	n/a		
<a href="#">EDUC-b-1</a>	Moderate	Emergency Management	

<a href="#">EDUC-b-2</a>	n/a		Not applicable for a city
<a href="#">EDUC-b-3</a>	n/a		Not applicable for a city
<a href="#">EDUC-c-1</a>	NYC		
<a href="#">EDUC-c-2</a>	n/a		
<a href="#">EDUC-c-3</a>	Existing Underfunded	LAHCFD and County Fire	
<a href="#">EDUC-c-4</a>	NYC		
<a href="#">EDUC-c-5</a>	NYC		
<a href="#">EDUC-c-6</a>	n/a		
<a href="#">EDUC-c-7</a>	n/a		
<a href="#">EDUC-d-1</a>	n/a		
<a href="#">EDUC-d-2</a>	n/a		
<a href="#">ENVI-a-1</a>	Existing	Engineering and Planning Departments	
<a href="#">ENVI-a-2</a>	n/a		
<a href="#">ENVI-a-3</a>	n/a		
<a href="#">ENVI-a-4</a>	Existing	Engineering and Santa Clara Valley Water District	
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<a href="#">ENVI-a-6</a>	NYC/blank		
<a href="#">ENVI-a-7</a>	Existing	Engineering	
<a href="#">ENVI-a-8</a>	n/a		
<a href="#">ENVI-a-9</a>	Existing	Public Works	
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<a href="#">ENVI-b-1</a>	NYC		
<a href="#">ENVI-b-2</a>	NYC		
<a href="#">ENVI-b-3</a>	Existing	Town's General Plan	
<a href="#">ENVI-b-4</a>	Existing	Parks and Rec	
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<a href="#">ENVI-b-9</a>	Existing		
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<a href="#">ENVI-c-1</a>	Existing	Hidden Villa	
<a href="#">ENVI-c-2</a>	n/a		
<a href="#">ENVI-c-3</a>	n/a		
<a href="#">GOVT-a-1</a>	Existing	Engineering and Emergency Management	
<a href="#">GOVT-a-2</a>	High	Town's EOC requires seismic retrofit as well as the Corp Yard	
<a href="#">GOVT-a-3</a>	Existing	Emergency Management	
<a href="#">GOVT-a-4</a>	High	Emergency Management	
<a href="#">GOVT-a-5</a>	Existing Underfunded	Emergency Management	
<a href="#">GOVT-a-6</a>	Existing	Emergency Management	
<a href="#">GOVT-a-7</a>	High	Emergency Management	
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<a href="#">GOVT-a-9</a>	n/a		
<a href="#">GOVT-a-10</a>	n/a		
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<a href="#">GOVT-a-12</a>	n/a		
<a href="#">GOVT-a-13</a>	n/a		
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<a href="#">GOVT-c-6</a>	Existing	Santa Clara County Sheriff's Office and County Fire	
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<a href="#">GOVT-c-9</a>	Existing	LAHCFD	
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<a href="#">GOVT-c-19</a>	Existing	County Fire
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<a href="#">GOVT-c-21</a>	High	County Fire
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<a href="#">HSNG-e-3</a>	NYC	
<a href="#">HSNG-e-4</a>	NYC	
<a href="#">HSNG-f-1</a>	Existing	BUILDING DEPARTMENT
<a href="#">HSNG-f-2</a>	Existing	BUILDING DEPARTMENT
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<a href="#">HSNG-g-2</a>	Existing	Santa Clara County Fire Department
<a href="#">HSNG-g-3</a>	Existing	Santa Clara County Fire Department and Building Department
<a href="#">HSNG-g-4</a>	Existing	SANTA CLARA COUNTY FIRE DEPARTMENT
<a href="#">HSNG-g-5</a>	Existing	Santa Clara County Fire Department and Building Department

<a href="#">HSNG-g-6</a>	Existing	Santa Clara County Fire Department and Building Department	
<a href="#">HSNG-g-7</a>	Existing	Santa Clara Fire Department	
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<a href="#">HSNG-g-9</a>	Existing	Los Altos Hills County Fire District	
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<a href="#">HSNG-h-2</a>	n/a		
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<a href="#">HSNG-h-4</a>	Existing	Public Works	
<a href="#">HSNG-h-5</a>	Existing	Santa Clara Valley Water District	
<a href="#">HSNG-h-6</a>	Existing	Engineering Department	
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<a href="#">HSNG-j-2</a>	Existing		
<a href="#">HSNG-k-1</a>	Existing		
<a href="#">HSNG-k-2</a>	Existing	santa Clara County Fire Department	
<a href="#">HSNG-k-3</a>	Existing	santa Clara County Fire Department	
<a href="#">HSNG-k-4</a>	NYC		
<a href="#">HSNG-k-5</a>	Existing	Emergency Managers Association	
<a href="#">HSNG-k-6</a>	Existing	Los Altos Hills with Los Altos Hills County Fire District	
<a href="#">HSNG-k-7</a>	NYC		
<a href="#">HSNG-k-8</a>	Existing	Underfunded Town and LAHCFD	
<a href="#">HSNG-k-9</a>	Existing	LAHCFD	
<a href="#">HSNG-k-10</a>	Existing	CERT program	
<a href="#">HSNG-k-11</a>	NYC		
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<a href="#">INFR-a-1</a>	n/a		
<a href="#">INFR-a-2</a>	n/a		
<a href="#">INFR-a-3</a>	n/a	ENGINEERING	
<a href="#">INFR-a-4</a>	n/a	ENGINEERING	TOWN'S EOC REQUIRES SEISMIC RETROFIT
<a href="#">INFR-a-5</a>	n/a		
<a href="#">INFR-a-6</a>	n/a		
<a href="#">INFR-a-7</a>	n/a		
<a href="#">INFR-a-8</a>	Existing	Town-owned generator	
<a href="#">INFR-a-9</a>	NYC		
<a href="#">INFR-a-10</a>	Existing	TOWN PATH-WAY SYSTEM	
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<a href="#">INFR-a-14</a>	n/a	SEMS/EOC	
<a href="#">INFR-a-15</a>	n/a		
<a href="#">INFR-a-16</a>	Existing	TOWN'S COOLING CENTER	
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<a href="#">INFR-a-18</a>	n/a		
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<a href="#">INFR-a-20</a>	Existing	EOC LOGISTICS	
<a href="#">INFR-a-21</a>	Existing	LOGISTICS FUNCTION	
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<a href="#">INFR-b-2</a>	n/a		
<a href="#">INFR-b-3</a>	n/a		
<a href="#">INFR-b-4</a>	n/a		
<a href="#">INFR-b-5</a>	n/a	PURISSIMA AND CAL WATER	
<a href="#">INFR-b-6</a>	n/a	PURISSIMA AND CAL WATER	
<a href="#">INFR-b-7</a>	n/a		

<a href="#">INFR-b-8</a>	Existing	
<a href="#">INFR-b-9</a>	Existing	EMERGENCY MANAGEMENT
<a href="#">INFR-b-10</a>	n/a	
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<a href="#">INFR-c-2</a>	Existing	LOS ALTOS HILLS COUNTY FIRE DISTRICT
<a href="#">INFR-c-3</a>	Existing	LOS ALTOS HILLS COUNTY FIRE DISTRICT
<a href="#">INFR-c-4</a>	Existing	Fire code
<a href="#">INFR-c-5</a>	Existing	SANTA CLARA COUNTY FIRE DEPARTMENT
<a href="#">INFR-c-6</a>	Existing	SANTA CLARA COUNTY FIRE DEPARTMENT
<a href="#">INFR-c-7</a>	Existing	LOS ALTOS HILLS COUNTY FIRE DISTRICT
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<a href="#">INFR-d-11</a>	n/a	
<a href="#">INFR-d-12</a>	n/a	
<a href="#">INFR-d-13</a>	n/a	
<a href="#">INFR-d-14</a>	n/a	
<a href="#">INFR-d-15</a>	Existing	ENGINEERING
<a href="#">INFR-d-16</a>	Existing	ENGINEERING
<a href="#">INFR-d-17</a>	n/a	
<a href="#">INFR-d-18</a>	n/a	
<a href="#">INFR-e-1</a>	n/a	
<a href="#">INFR-e-2</a>	n/a	
<a href="#">INFR-f-1</a>	n/a	
<a href="#">INFR-g-1</a>	n/a	
<a href="#">INFR-g-2</a>	n/a	
<a href="#">INFR-g-3</a>	n/a	
<a href="#">INFR-g-4</a>	n/a	
<a href="#">INFR-g-5</a>	Existing	TOWN AND COUNTY FIRE
<a href="#">INFR-g-6</a>	Very High	TOWN AND COUNTY FIRE
<a href="#">INFR-g-7</a>	Very High	TOWN AND COUNTY FIRE
<a href="#">LAND-a-1</a>	n/a	
<a href="#">LAND-a-2</a>	Existing	Engineer
<a href="#">LAND-a-3</a>	n/a	
<a href="#">LAND-a-4</a>	Under Study	
<a href="#">LAND-a-5</a>	Under Study	
<a href="#">LAND-a-6</a>	Under Study	
<a href="#">LAND-a-7</a>	Existing	Town Geologist Cotton Shires
<a href="#">LAND-a-8</a>	Existing	Town Geologist Cotton Shires
<a href="#">LAND-b-1</a>	Existing	Building Department and County Fire
<a href="#">LAND-b-2</a>	Existing	County Fire
<a href="#">LAND-c-1</a>	Existing	Engineering
<a href="#">LAND-c-2</a>	Existing	Engineering
<a href="#">LAND-c-3</a>	n/a	
<a href="#">LAND-c-4</a>	Existing	Engineering
<a href="#">LAND-c-5</a>	n/a	
<a href="#">LAND-c-6</a>	n/a	
<a href="#">LAND-d-1</a>	Existing	Engineering
<a href="#">LAND-d-2</a>	Existing	Engineering
<a href="#">LAND-d-3</a>	Existing	Engineering
<a href="#">LAND-d-4</a>	Existing	Engineering
<a href="#">LAND-d-5</a>	Existing	Engineering
<a href="#">LAND-e-1</a>	Existing	Engineering
<a href="#">LAND-e-2</a>	Existing	Engineering
<a href="#">LAND-f-1</a>	n/a	
<a href="#">LAND-f-2</a>	n/a	
<a href="#">LAND-f-3</a>	n/a	
<a href="#">LAND-f-4</a>	n/a	
<a href="#">LAND-f-5</a>	Existing Underfunded Planning	
<a href="#">LAND-g-1</a>	Under Study	

The Westwind Barn is receiving seismic retrofit a cost of 1 million dollars

Source: Association of Bay Area Governments, 2009.

### Priority Mitigation Strategies

Category	#	High or Moderate Priority Mitigation Strategies	Responsible Agency or Department	LPT Comments
economy	a-1	Assist in ensuring adequate hazard disclosure by working with real estate agents to improve enforcement of real estate disclosure requirements for commercial and industrial properties with regard to seven official natural hazard zones: 1) Special Flood Hazard Areas (designated by FEMA), 2) Areas of Potential Flooding from dam failure inundation, 3) Very High Fire Hazard Severity Zones, 4) Wildland Fire Zones, 5) Earthquake Fault Zones (designated under the Alquist-Priolo Earthquake Fault Zoning Act), and the 6) Liquefaction and Landslide Hazard Zones (designated under the Seismic Hazard Mapping Act).	Engineering and Planning	There are no commercial or industrial properties in Los Altos Hills.
economy	a-2	Create incentives for private owners of historic or architecturally significant commercial and industrial buildings to undertake mitigation to levels that will minimize the likelihood that these buildings will need to be demolished after a disaster, particularly if those alterations conform to the federal Secretary of the Interior's <i>Guidelines for Rehabilitation</i> .	Planning	There are no commercial or industrial properties in Los Altos Hills.
economy	e-1	Increase efforts to reduce hazards in existing private development in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat through improving engineering design and vegetation management for mitigation, appropriate code enforcement, and public education on defensible space mitigation strategies.	Santa Clara County Fire Department	
economy	e-2	Tie public education on defensible space and a comprehensive defensible space ordinance to a field program of enforcement.	Santa Clara County Fire Department	
economy	e-3	Require that new privately-owned business and office buildings in high fire hazard areas be constructed of fire-resistant building materials and incorporate fire-resistant design features (such as minimal use of eaves, internal corners, and open first floors) to increase structural survivability and reduce ignitability.	Santa Clara County Fire Department	Not Applicable
economy	e-4	Adopt and amend as needed updated versions of the <i>California Building and Fire Codes</i> so that optimal fire-protection standards are used in construction and renovation projects of private buildings.	Santa Clara County Fire Department	
economy	e-5	Create a mechanism to enforce provisions of the <i>California Building and Fire Codes</i> and other local codes that require the installation of smoke detectors and fire-extinguishing systems on existing privately-owned buildings by making installation a condition of (a) finalizing a permit for any work valued at over a fixed amount and/or (b) on any building over 75 feet in height, and/or (b) as a condition for the transfer of property.	Santa Clara County Fire Department	
economy	e-6	(reworded to more closely match the HSNG strategy) Expand vegetation management programs in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat to more effectively manage the fuel load through roadside collection and chipping, mechanical fuel reduction equipment, selected harvesting, use of goats or other organic methods of fuel reduction, and selected use of controlled burning.	Santa Clara County Fire Department	
economy	e-7	Establish special funding mechanisms (such as Fire Hazard Abatement Districts or regional bond funding) to fund reduction in fire risk of existing properties through vegetation management that includes reduction of fuel loads, use of defensible space, and fuel breaks.	Santa Clara County Fire Department	
economy	e-8	Establish special funding mechanisms (such as Fire Hazard Abatement Districts or regional bond funding) to fund fire-safety inspections of private properties, roving firefighter patrols on high fire-hazard days, and public education efforts.	Santa Clara County Fire Department	
economy	e-12	Ensure that city/county-initiated fire-preventive vegetation-management techniques and practices for creek sides and high-slope areas do not contribute to the landslide and erosion hazard.	Santa Clara County Fire Department	
economy	f-3	Ensure that new private development pays its fair share of improvements to the storm drainage system necessary to accommodate increased flows from the development, or does not increase runoff by draining water to pervious areas or detention facilities.	Engineering	
economy	g-1	Increase efforts to reduce landslides and erosion in existing and future development by improving appropriate code enforcement and use of applicable standards for private property, such as those appearing in the <i>California Building Code</i> , California Geological Survey <i>Special Report 117 – Guidelines for Evaluating and Mitigating Seismic Hazards in California</i> , American Society of Civil Engineers (ASCE) report <i>Recommended Procedures for Implementation of DMG Special Publication 117: Guidelines for Analyzing and Mitigating Landslide Hazards in California</i> , and the California Board for Geologists and Geophysicists <i>Guidelines for Engineering Geologic Reports</i> . Such standards should cover excavation, fill placement, cut-fill transitions, slope stability, drainage and erosion control, slope setbacks, expansive soils, collapsible soils, environmental issues, geological and geotechnical investigations, grading plans and specifications, protection of adjacent properties, and review and permit issuance.	Engineering, Building, and Planning	Added Planning and Building to the Responsible Agency or Department column.

### Priority Mitigation Strategies

Category	#	High or Moderate Priority Mitigation Strategies	Responsible Agency or Department	LPT Comments
economy	g-2	Increase efforts to reduce landslides and erosion in existing and future private development through continuing education of design professionals on mitigation strategies.	Engineering	
economy	h-2	Conduct appropriate employee training and support continued education to ensure enforcement of construction standards for private development.	Engineering, Building, and Planning	
economy	h-3	Work with private building owners to help them recognize that many strategies that increase earthquake resistance also decrease damage in an explosion. In addition, recognize that ventilation systems can be designed to contain airborne biological agents.	Engineering, Building, and Planning	There are no commercial or industrial properties in Los Altos Hills.
economy	i-5	Develop and enforce a repair and reconstruction ordinance to ensure that damaged buildings are repaired in an appropriate and timely manner and retrofitted concurrently. This repair and reconstruction ordinance should apply to all public and private buildings, and also apply to repair of all damage, regardless of cause. See <a href="http://quake.abag.ca.gov/recovery/info-repair-ord.html">http://quake.abag.ca.gov/recovery/info-repair-ord.html</a> .	Planning and Engineering	There are no commercial or industrial properties in Los Altos Hills.
economy	i-6	Establish preservation-sensitive measures for the repair and reoccupancy of historically significant privately-owned structures, including requirements for temporary shoring or stabilization where needed, arrangements for consulting with preservationists, and expedited permit procedures for suitable repair or rebuilding of historically or architecturally valuable structures.	Planning and Engineering	Confirm whether the Town has historically significant properties.
economy	j-2	Develop printed materials, utilize existing materials (such as developed by FEMA and the American Red Cross), conduct workshops, and/or provide outreach encouraging private businesses' employees to have family disaster plans that include drop-cover-hold earthquake drills, fire and storm evacuation procedures, and shelter-in-place emergency guidelines.	County Fire Department	
economy	j-5	Sponsor the formation and training of Community Emergency Response Teams (CERT) training for other than your own employees through partnerships with local private businesses. [Note – these programs go by a variety of names in various cities and areas.]	Town and County Fire Department	
economy	j-9	Encourage the formation of a community- and neighborhood-based approach to wildfire education and action through local Fire Safe Councils and the <i>Fire Wise Program</i> . This effort is important because grant funds are currently available to offset costs of specific council-supported projects.	County Fire Department	
economy	j-13	Distribute appropriate materials related to disaster mitigation and preparedness to private business owners. Appropriate materials are (1) culturally appropriate and (2) suitable for special needs populations. For example, such materials are available on the <a href="http://www.preparenow.org">http://www.preparenow.org</a> website and from non-governmental organizations that work with these communities on an on-going basis.	Town and County Fire Department	
government	a-2	Retrofit or replace critical facilities that are shown to be vulnerable to damage in natural disasters.	Town's EOC requires seismic retrofit as well as the Corp Yard	The Corp Yard retrofit is completed. The Town's EOC is not required to be retrofitted due to size.
government	a-4	Conduct comprehensive programs to identify and mitigate problems with facility contents, architectural components, and equipment that will prevent critical buildings from being functional after major natural disasters. Such contents and equipment includes computers and servers, phones, files, and other tools used by staff to conduct daily business.	Emergency Management	
government	a-7	Identify and undertake cost-effective retrofit measures related to security on critical facilities (such as moving and redesigning air intake vents and installing blast-resistant features) when these buildings undergo major renovations related to other natural hazards.	Emergency Management	Does the Town want to consider terrorism in design?
government	c-20	Create and maintain an automated system of rain and flood gauges that is web enabled and publicly-accessible. Work toward creating a coordinated regional system.	County Fire	
government	c-21	Place remote sensors in strategic locations for early warning of hazmat releases or use of weapons of mass destruction, understanding that the appropriate early warning strategy depends on the type of problem.	County Fire	
education	b-1	Work cooperatively with the American Red Cross, cities, counties, and non-profits to set up memoranda of understanding for use of education facilities as emergency shelters following disasters.	Emergency Management	

## Existing Programs

Category	#	Regional Mitigation Strategies Identified as Existing Program in Los Altos Hills	Responsible Agency or Department	LPT Comments
infrastructure	a-8	Pre-position emergency power generation capacity (or have rental/lease agreements for these generators) in critical buildings of cities, counties, and special districts to maintain continuity of government and services.		Town owned generator in place.
infrastructure	a-10	Develop unused or new pedestrian rights-of-way as walkways to serve as additional evacuation routes (such as fire roads in park lands).		Town Pathway Sytem in place.
infrastructure	a-12	Encourage replacing above ground electric and phone wires and other structures with underground facilities, and use the planning-approval process to ensure that all new phone and electrical utility lines are installed underground.		Engineering Underground Project
infrastructure	a-16	Recognize that heat emergencies produce the need for non-medical transport of people to cooling centers by ensuring that (1) transit operators have plans for non-medical transport of people during and after such emergencies including the use of paratransit and (2) cities, counties, and transit agencies have developed ways to communicate the plan to the public.		Town's Cooling Center
infrastructure	a-20	Establish plans for delivery of fuel to critical infrastructure providers.	EOC Logistics	
infrastructure	a-21	As an infrastructure operator, designate a back-up Emergency Operations Center with redundant communications systems.	EOC Logistics	
infrastructure	b-8	Comply with all applicable building and fire codes, as well as other regulations (such as state requirements for fault, landslide, and liquefaction investigations in particular mapped areas) when constructing or significantly remodeling infrastructure facilities.		The Westwind Barn received a complete siesmic retrofit, a cost of 1 million dollars
infrastructure	b-9	Clarify to workers in critical facilities and emergency personnel, as well as to elected officials and the public, the extent to which the facilities are expected to perform only at a life safety level (allowing for the safe evacuation of personnel) or are expected to remain functional following an earthquake.	Emergency Managemetrn	
infrastructure	c-1	Ensure a reliable source of water for fire suppression (meeting acceptable standards for minimum volume and duration of flow) for existing and new development.	Santa Clara County Fire Dept	
infrastructure	c-2	Develop a coordinated approach between fire jurisdictions and water supply agencies to identify needed improvements to the water distribution system, initially focusing on areas of highest wildfire hazard (including wildfire threat areas and in wildland-urban-interface areas).	Los Altos Hills County Fire District	
infrastructure	c-3	Develop a defensible space vegetation program that includes the clearing or thinning of (a) non fire resistive vegetation within 30 feet of access and evacuation roads and routes to critical facilities, or (b) all non-native species (such as eucalyptus and pine, but not necessarily oaks) within 30 feet of access and evacuation roads and routes to critical facilities.	Los Altos Hills County Fire District	
infrastructure	c-4	For new development, ensure all dead-end segments of public roads in high hazard areas have at least a "T" intersection turn-around sufficient for typical wildland fire equipment.	Fire code	
infrastructure	c-5	For new development, enforce minimum road width of 20 feet with an additional 10-foot clearance on each shoulder on all driveways and road segments greater than 50 feet in length in wildfire hazard areas.	Santa Clara County Fire Dept	
infrastructure	c-6	Require that development in high fire hazard areas provide adequate access roads (with width and vertical clearance that meet the minimum standards of the <i>Fire Code</i> or relevant local ordinance), onsite fire protection systems, evacuation signage, and fire breaks.	Santa Clara County Fire Dept	
infrastructure	c-7	Ensure adequate fire equipment road or fire road access to developed and open space areas.	Los Altos Hills County Fire District	
infrastructure	c-8	Maintain fire roads and/or public right-of-way roads and keep them passable at all times.		
infrastructure	d-7	Continue maintenance efforts to keep storm drains and creeks free of obstructions, while retaining vegetation in the channel (as appropriate) to allow for the free flow of water.	Public Works	
infrastructure	d-8	Enforce provisions under creek protection, stormwater management, and discharge control ordinances designed to keep watercourses free of obstructions and to protect drainage facilities to conform with the Regional Water Quality Control Board's Best Management Practices.	Engineering	

## Existing Programs

Category	#	Regional Mitigation Strategies Identified as Existing Program in Los Altos Hills	Responsible Agency or Department	LPT Comments
infrastructure	d-9	Develop an approach and locations for various watercourse bank protection strategies, including for example, (1) an assessment of banks to inventory areas that appear prone to failure, (2) bank stabilization, including installation of rip rap, or whatever regulatory agencies allow (3) stream bed depth management using dredging, and (4) removal of out-of-date coffer dams in rivers and tributary streams.	Engineering	
infrastructure	d-15	Work cooperatively with water agencies, flood control districts, Caltrans, and local transportation agencies to determine appropriate performance criteria for watershed analysis.	Engineering	
infrastructure	d-16	Work for better cooperation among the patchwork of agencies managing flood control issues.	Engineering	
infrastructure	g-5	Facilitate and/or coordinate the distribution of emergency preparedness or mitigation materials that are prepared by others, such as by making the use of the internet or other electronic means, or placing materials on community access channels or in city or utility newsletters, as appropriate.	Santa Clara County Fire Dept / Los Altos Hills County Fire District	
housing	a-3	Develop a plan for short-term sheltering of residents of your community in conjunction with the American Red Cross.	Emergency Management	
housing	b-1	Utilize or recommend adoption of a retrofit standard that includes standard plan sets and construction details for voluntary bolting of homes to their foundations and bracing of outside walls of crawl spaces ("cripple" walls), such as Plan Set A developed by a committee representing the East Bay-Peninsula-Monterey Chapters of the International Code Council (ICC), California Building Officials (CALBO), the Structural Engineers Association of Northern California (SEAONC), the Northern California Chapter of the Earthquake Engineering Research Institute (EERI-NC), and ABAG's Earthquake Program.	Building Department	
housing	b-2	Require engineered plan sets for seismic retrofitting of heavy two-story homes with living areas over garages, as well as for split level homes (that is, homes not covered by Plan Set A), until standard plan sets and construction details become available.		Confirm if the Town wants this
housing	b-3	Require engineered plan sets for seismic retrofitting of homes on steep hillsides (because these homes are not covered by Plan Set A).	Planning and Engineering Departments	Confirm if the Town wants this
housing	b-4	Encourage local government building inspectors to take classes on a periodic basis (such as the FEMA-developed training classes offered by ABAG) on retrofitting of single-family homes, including application of Plan Set A.	Building Department	
housing	f-1	Continue to require that all new housing be constructed in compliance with (deleted "structural") requirements of the most recently adopted version of the <i>California Building Code</i> .	Building Department	
housing	f-2	Conduct appropriate employee training and support continued education to ensure enforcement of building codes and construction standards, as well as identification of typical design inadequacies of housing and recommended improvements.	Building Department	
housing	g-1	Increase efforts to reduce hazards in existing private development in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat through improving engineering design and vegetation management for mitigation, appropriate code enforcement, and public education on defensible space mitigation strategies.	Santa Clara County Fire Department	
housing	g-2	Tie public education on defensible space and a comprehensive defensible space ordinance to a field program of enforcement.	Santa Clara County Fire Department	
housing	g-3	Require that new homes in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat be constructed of fire-resistant building materials (including roofing and exterior walls) and incorporate fire-resistant design features (such as minimal use of eaves, internal corners, and open first floors) to increase structural survivability and reduce ignitability. Note - See Structural Fire Prevention Field Guide for Mitigation of Wildfires at <a href="http://osfm.fire.ca.gov/structural.html">http://osfm.fire.ca.gov/structural.html</a> .	Santa Clara County Fire Department and Building Department	
housing	g-4	Create or identify "model" properties showing defensible space and structural survivability in neighborhoods that are wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat.	Santa Clara County Fire Department	

## Existing Programs

Category	#	Regional Mitigation Strategies Identified as Existing Program in Los Altos Hills	Responsible Agency or Department	LPT Comments
housing	g-5	Consider fire safety, evacuation, and emergency vehicle access when reviewing proposals to add secondary units or additional residential units in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat.	Santa Clara County Fire Department and Building Department	
housing	g-6	Adopt and amend as needed updated versions of the <i>California Building and Fire Codes</i> so that optimal fire-protection standards are used in construction and renovation projects of private buildings.	Santa Clara County Fire Department and Building Department	
housing	g-7	Create a mechanism to enforce provisions of the <i>California Building and Fire Codes</i> and other local codes that require the installation of smoke detectors and fire-extinguishing systems on existing residential buildings by making installation a condition of (a) finalizing a permit for any work valued at over a fixed amount and/or (b) on any building over 75 feet in height, and/or (b) as a condition for the transfer of property.	Santa Clara Fire Department	
housing	g-8	Work to ensure a reliable source of water for fire suppression in rural-residential areas through the cooperative efforts of water districts, fire districts, and residents.	Los Altos Hills County Fire District	
housing	g-9	Expand vegetation management programs in wildland-urban- interface fire-threatened communities or in areas exposed to high-to-extreme fire threat to more effectively manage the fuel load through roadside collection and chipping, mechanical fuel reduction equipment, selected harvesting, use of goats or other organic methods of fuel reduction, and selected use of controlled burning.	Los Altos Hills County Fire District	
housing	g-10	Establish special funding mechanisms (such as Fire Hazard Abatement Districts or regional bond funding) to fund reduction in fire risk of existing properties through vegetation management that includes reduction of fuel loads, use of defensible space, and fuel breaks.	Los Altos Hills County Fire District	
housing	g-11	Work with residents in rural-residential areas to ensure adequate plans are developed for appropriate access and evacuation in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat. For example, in some areas, additional roads can be created, and in other areas, the communities will need to focus on early warning and evacuation because additional roads are not feasible.	Los Altos Hills County Fire District and Town	
housing	g-12	Require fire sprinklers in new homes located more than 1.5 miles or a 5-minute response time from a fire station or in an identified high hazard wildland-urban-interface wildfire area.	Santa Clara County Fire Department	
housing	g-13	Require fire sprinklers in all new or substantially remodeled multifamily housing, regardless of distance from a fire station.	Santa Clara County Fire Department	
housing	g-14	Require sprinklers in all mixed use development to protect residential uses from fires started in non-residential areas.	Santa Clara County Fire Department	
housing	g-17	Ensure that city/county-initiated fire-preventive vegetation-management techniques and practices for creek sides and high-slope areas do not contribute to the landslide and erosion hazard. For example, vegetation in these sensitive areas could be thinned, rather than removed, or replanted with less flammable materials. When thinning, the non-native species should be removed first. Other options would be to use structural mitigation, rather than vegetation management in the most sensitive areas.	Los Altos Hills County Fire District	
housing	g-18	Create a mechanism to require the bracing of water heaters and flexible couplings on gas appliances, and/or (as specified under "b. Single-family homes vulnerable to earthquakes" above) the bolting of homes to their foundations and strengthening of cripple walls to reduce fire ignitions due to earthquakes.	Building Department	
housing	h-3	Ensure that new private development pays its fair share of improvements to the storm drainage system necessary to accommodate increased flows from the development, or does not increase runoff by draining water to pervious areas or detention facilities.	Engineering Department	
housing	h-4	Provide sandbags and plastic sheeting to residents in anticipation of rainstorms, and deliver those materials to vulnerable populations upon request.	Public Works	Confirm if the Town wants to deliver material.
housing	h-5	Provide public information on locations for obtaining sandbags and/or deliver those sandbags to those various locations throughout a city and/or county prior to and/or during the rainy season.	Santa Clara Valley Water District	
housing	h-6	Apply floodplain management regulations for private development in the floodplain and floodway.	Engineering Department	

## Existing Programs

Category	#	Regional Mitigation Strategies Identified as Existing Program in Los Altos Hills	Responsible Agency or Department	LPT Comments
housing	h-7	Ensure that new subdivisions are designed to reduce or eliminate flood damage by requiring lots and rights-of-way be laid out for the provision of approved sewer and drainage facilities, providing on-site detention facilities whenever practicable.	Engineering Department	
housing	i-1	Increase efforts to reduce landslides and erosion in existing and future development by improving appropriate code enforcement and use of applicable standards for private property, such as those appearing in the <i>California Building Code</i> , California Geological Survey <i>Special Report 117 – Guidelines for Evaluating and Mitigating Seismic Hazards in California</i> , American Society of Civil Engineers (ASCE) report <i>Recommended Procedures for Implementation of DMG Special Publication 117: Guidelines for Analyzing and Mitigating Landslide Hazards in California</i> , and the California Board for Geologists and Geophysicists <i>Guidelines for Engineering Geologic Reports</i> . Such standards should cover excavation, fill placement, cut-fill transitions, slope stability, drainage and erosion control, slope setbacks, expansive soils, collapsible soils, environmental issues, geological and geotechnical investigations, grading plans and specifications, protection of adjacent properties, and review and permit issuance.	Engineering, Planning, Building	Added Planning and Building
housing	i-2	Increase efforts to reduce landslides and erosion in existing and future private development through continuing education of design professionals on mitigation strategies.	Engineering	
housing	j-1	Develop and enforce a repair and reconstruction ordinance to ensure that damaged buildings are repaired in an appropriate and timely manner and retrofitted concurrently. This repair and reconstruction ordinance should apply to all public and private buildings, and also apply to repair of all damage, regardless of cause. See <a href="http://quake.abag.ca.gov/recovery/info-repair-ord.html">http://quake.abag.ca.gov/recovery/info-repair-ord.html</a> .		No commercial properties in Los Altos Hills. Confirm if the Town wants to require this of home owners.
housing	j-2	Establish preservation-sensitive measures for the repair and reoccupancy of historically significant privately-owned structures, including requirements for temporary shoring or stabilization where needed, arrangements for consulting with preservationists, and expedited permit procedures for suitable repair or rebuilding of historically or architecturally valuable structures.		Confirm if the Town has historically significant private structures
housing	k-1	Provide information to residents of your community on the availability of interactive hazard maps showing your community on ABAG's web site.		
housing	k-2	Develop printed materials, utilize existing materials (such as developed by FEMA and the American Red Cross), conduct workshops, and/or provide outreach encouraging residents to have family disaster plans that include drop-cover-hold earthquake drills, fire and storm evacuation procedures, and shelter-in-place emergency guidelines.	Santa Clara County Fire Department	
housing	k-3	Inform residents of comprehensive mitigation activities, including elevation of appliances above expected flood levels, use of fire-resistant roofing and defensible space in high wildfire threat and wildfire-urban-interface areas, structural retrofitting techniques for older homes, and use of intelligent grading practices through workshops, publications, and media announcements and events.	Santa Clara County Fire Department	
housing	k-5	Use disaster anniversaries, such as April (the 1906 earthquake), September (9/11), and October (Loma Prieta earthquake and Oakland Hills fire), to remind the public of safety and security mitigation activities.	Emergency Managers Association	
housing	k-6	Sponsor the formation and training of Community Emergency Response Teams (CERT) for residents in your community. [Note – these programs go by a variety of names in various cities and areas.]	Los Altos Hills with Los Altos Hills County Fire District	
housing	k-8	Institute the neighborhood watch block captain and team programs outlined in the Citizen Corps program guide.	Los Altos Hills with Los Altos Hills County Fire District and Town	
housing	k-9	Assist residents in the development of defensible space through the use of, for example, "tool libraries" for weed abatement tools, roadside collection and/or chipping services (for brush, weeds, and tree branches) in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat.	Los Altos Hills with Los Altos Hills County Fire District	
housing	k-10	Train homeowners to locate and shut off gas valves if they smell or hear gas leaking.	CERT program	

### Existing Programs

Category	#	Regional Mitigation Strategies Identified as Existing Program in Los Altos Hills	Responsible Agency or Department	LPT Comments
housing	k-14	Encourage the formation of a community- and neighborhood-based approach to wildfire education and action through local Fire Safe Councils and the <i>Fire Wise Program</i> . This effort is important because grant funds are currently available to offset costs of specific council-supported projects.	Los Altos Hills with Los Altos Hills County Fire District	
housing	k-16	Distribute appropriate materials related to disaster mitigation and preparedness to residents. Appropriate materials are (1) culturally appropriate and (2) suitable for special needs populations. For example, such materials are available on the <a href="http://www.preparenow.org">http://www.preparenow.org</a> website and from non-governmental organizations that work with these communities on an on-going basis.	Los Altos Hills with Los Altos Hills County Fire District	
economy	j-8	Develop a "Maintain-a-Drain" campaign, similar to that of the City of Oakland, encouraging private businesses and residents to keep storm drains in their neighborhood free of debris.	Engineering	There are no businesses in Los Altos Hills.
government	a-1	Assess the vulnerability of critical facilities (such as city halls, fire stations, operations and communications headquarters, community service centers, seaports, and airports) to damage in natural disasters and make recommendations for appropriate mitigation.	Engineering and Emergency Management	
government	a-3	Clarify to workers in critical facilities and emergency personnel, as well as to elected officials and the public, the extent to which the facilities are expected to perform only at a life safety level (allowing for the safe evacuation of personnel) or are expected to remain functional following an earthquake.	Emergency Management	
government	a-5	Encourage joint meetings of security and operations personnel at critical facilities to develop innovative ways for these personnel to work together to increase safety and security.	Emergency Management	
government	a-6	When installing micro and/or surveillance cameras around critical public assets tied to web-based software, and developing a surveillance protocol to monitor these cameras, investigate the possibility of using the cameras for the secondary purpose of post-disaster damage assessment.	Emergency Management	
government	b-1	Establish a framework and process for pre-event planning for post-event recovery that specifies roles, priorities, and responsibilities of various departments within the local government organization, and that outlines a structure and process for policy-making involving elected officials and appointed advisory committees.	Emergency Management-SEMS	
government	b-2	Prepare a basic Recovery Plan that outlines the major issues and tasks that are likely to be the key elements of community recovery, as well as integrate this planning into response planning (such as with continuity of operations plans).	Emergency Management-SEMS	
government	b-3	Establish a goal for the resumption of local government services that may vary from function to function.	Emergency Management-SEMS	
government	b-4	Develop a continuity of operations plan that includes back-up storage of vital records, such as plans and back-up procedures to pay employees and vendors if normal finance department operations are disrupted, as well as other essential electronic files.	Emergency Management-SEMS	
government	b-5	Plan for the emergency relocation of government-owned facilities critical to recovery, as well as any facilities with known structural deficiencies or in hazardous areas.	Emergency Management-SEMS	
government	c-2	Encourage your employees to have a family disaster plan.	Emergency Management-PEP	
government	c-3	Offer CERT/NERT-type training to your employees.	Los Altos Hills with Los Altos Hills County Fire District	

### Existing Programs

Category	#	Regional Mitigation Strategies Identified as Existing Program in Los Altos Hills	Responsible Agency or Department	LPT Comments
government	c-5	Periodically assess the need for changes in staffing levels, as well as for additional or updated supplies, equipment, technologies, and in-service training classes.	Emergency Management	
government	c-6	Ensure that fire, police, and other emergency personnel have adequate radios, breathing apparatuses, protective gear, and other equipment to respond to a major disaster.	Santa Clara County Sheriff's Office and County Fire	
government	c-7	Participate in developing and maintaining a system of interoperable communications for first responders from cities, counties, special districts, state, and federal agencies.	Santa Clara Valley Interoperability project	
government	c-8	Harden emergency response communications, including, for example, building redundant capacity into public safety alerting and/or answering points, replacing or hardening microwave and simulcast systems, adding digital encryption for programmable radios, and ensuring a plug-and-play capability for amateur radio.	Ares Races, Santa Clara County OES	
government	c-9	Purchase command vehicles for use as mobile command/EOC vehicles if current vehicles are unsuitable or inadequate.	Los Altos Hills with Los Altos Hills County Fire District	
government	c-10	Maintain the local government's emergency operations center in a fully functional state of readiness.	Emergency Management	
government	c-11	Expand or participate in expanding traditional disaster exercises involving city and county emergency personnel to include airport and port personnel, transit and infrastructure providers, hospitals, schools, park districts, and major employers.	Santa Clara County OES and Town	
government	c-12	Maintain and update as necessary the local government's Standardized Emergency Management System (SEMS) Plan and the National Incident Management System (NIMS) Plan, and submit an appropriate NIMSCAST report.	Emergency Management	
government	c-13	Continue to participate not only in general mutual-aid agreements, but also in agreements with adjoining jurisdictions for cooperative response to fires, floods, earthquakes, and other disasters.	EMA	
government	c-14	Install alert and warning systems for rapid evacuation or shelter-in-place. Such systems include outdoor sirens and/or reverse-911 calling systems.	Rapid Notify and AlertSCC	
government	c-15	Conduct periodic tests of the alerting and warning system.	Rapid Notify and AlertSCC	
government	c-16	Regulate and enforce the location and design of street-address numbers on buildings and minimize the naming of short streets (that are actually driveways) to single homes.	Building Department	
government	c-17	Monitor weather during times of high fire risk using, for example, weather stations tied into police and fire dispatch centers.	Emergency Management	
government	c-18	Establish regional protocols on how to respond to the NOAA Monterey weather forecasts, such as the identifying types of closures, limits on work that could cause ignitions, and prepositioning of suppression forces. A multi-agency coordination of response also helps provide unified messages to the public about how they should respond to these periods of increased fire danger. Response should also be modified based on knowledge of local micro-climates. Local agencies with less risk then may be available for mutual aid.	County OES and Emergency Managers	
government	c-19	Increase local patrolling during periods of high fire weather.	County Fire	

## Existing Programs

Category	#	Regional Mitigation Strategies Identified as Existing Program in Los Altos Hills	Responsible Agency or Department	LPT Comments
government	c-25	Support and encourage planning and identification of facilities for the coordination of distribution of water, food, blankets, and other supplies, coordinating this effort with the American Red Cross.	Los Altos Hills with Los Altos Hills County Fire District and County Fire	
government	d-1	Promote information sharing among overlapping and neighboring local governments, including cities, counties, and special districts, as well as utilities.	Emergency Management	
government	d-2	Recognize that emergency services is more than the coordination of police and fire response; it also includes planning activities with providers of water, food, energy, transportation, financial, information, and public health services.	Emergency Management	
government	d-3	Recognize that a multi-agency approach is needed to mitigate flooding by having flood control districts, cities, counties, and utilities meet at least annually to jointly discuss their capital improvement programs for most effectively reducing the threat of flooding. Work toward making this process more formal to insure that flooding is considered at existing joint-agency meetings.	Santa Clara Valley Water District	
government	d-5	Participate in FEMA's National Flood Insurance Program.	Engineering	
government	d-6	Participate in multi-agency efforts to mitigate fire threat, such as the Hills Emergency Forum (in the East Bay), various <i>FireSafe</i> Council programs, and city-utility task forces. Such participation increases a jurisdiction's competitiveness in obtaining grants.	County Fire, City of Palo Alto Fire Department	
government	d-8	Encourage staff to participate in efforts by professional organizations to mitigate earthquake and landslide disaster losses, such as the efforts of the Northern California Chapter of the Earthquake Engineering Research Institute, the East Bay-Peninsula Chapter of the International Code Council, the Structural Engineers Association of Northern California, and the American Society of Grading Officials.	Engineering	
government	d-9	Conduct and/or promote attendance at local or regional hazard conferences and workshops for elected officials and staff to educate them on the critical need for programs in mitigating earthquake, wildfire, flood, and landslide hazards.	Emergency Management	
government	e-1	Work with the cities, counties, and special districts in the Bay Area to encourage them to adopt a Local Hazard Mitigation Plan and to assist them in integrating it into their overall planning process. RESPONSIBILITY: ABAG only; all others are "not applicable."	ABAG	
education	c-3	Offer the 20-hour basic CERT training to teachers and after-school personnel.	Los Altos Hills with Los Altos Hills County Fire District and County Fire	
environment	a-1	Continue to enforce State-mandated requirements, such as the <i>California Environmental Quality Act</i> , to ensure that mitigation activities for hazards, such as seismic retrofits and vegetation clearance programs for fire threat, are conducted in a way that reduces environmental degradation such as air quality impacts, noise during construction, and loss of sensitive habitats and species, while respecting the community value of historic preservation.	Engineering and Planning Departments	
environment	a-4	Develop and implement a comprehensive program for watershed management optimizing ecosystem health with water yield to balance water supply, flooding, fire, and erosion concerns.	Engineering and Santa Clara Valley Water District	

## Existing Programs

Category	#	Regional Mitigation Strategies Identified as Existing Program in Los Altos Hills	Responsible Agency or Department	LPT Comments
environment	a-5	Balance the need for the smooth flow of storm waters versus the need to maintain wildlife habitat by developing and implementing a comprehensive Streambed Vegetation Management Plan that ensures the efficacy of flood control efforts, mitigates wildfires and maintains the viability of living rivers.	Engineering and Santa Clara Valley Water District	
environment	a-7	Enforce and/or comply with the grading, erosion, and sedimentation requirements by prohibiting the discharge of concentrated stormwater flows by other than approved methods that seek to minimize associated pollution.	Engineering	
environment	a-9	Enforce and/or comply with the hazardous materials requirements of the State of California Certified Unified Program Agency (CUPA).	Public Works	
environment	a-10	Provide information on hazardous waste disposal and/or drop off locations.	Engineering and Public Works	
environment	a-12	Develop and implement a program to control invasive and exotic species that contribute to fire and flooding hazards (such as eucalyptus, cattails, and cordgrass). This program could include vegetation removal, thinning, or replacement in hazard areas where there is a direct threat to structures.	Planning and Los Altos Hills with Los Altos Hills County Fire District	
environment	a-13	Enforce provisions under creek protection, stormwater management, and discharge control ordinances designed to keep watercourses free of obstructions and to protect drainage facilities to conform with the Regional Water Quality Control Board's Best Management Practices.	Engineering and Santa Clara Valley Water District	
environment	b-3	Adopt and enforce land-use policies that reduce sprawl, preserve open space, and create compact, walkable urban communities.	Town's General Plan	
environment	b-4	Promote transportation options such as bicycle trails, commute trip reduction programs, incentives for car pooling and public transit.	Parks and Rec	
environment	b-6	Make energy efficiency a priority through building code improvements, retrofitting city facilities with energy efficient lighting and urging employees to conserve energy and save money.	Planning, Building, Public Works	Added Building and Public Works.
environment	b-7	Purchase only Energy Star equipment and appliances for local government use.	Planning	
environment	b-8	Practice and promote sustainable building practices using the U.S. Green Building Council's LEED program or a similar system.		
environment	b-9	Increase the average fuel efficiency of municipal fleet vehicles; reduce the number of vehicles; launch an employee education program including anti-idling messages; convert diesel vehicles to bio-diesel.		
environment	c-1	Maintain a variety of crops in rural areas of the region to increase agricultural diversity and crop resiliency. RESPONSIBLE AGENCIES: County Offices of the Agricultural Commissioner.	Hidden Villa	
landuse	a-2	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 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.	Engineer, Planning, Building	Added Planning and Building
landuse	a-7	Support and/or facilitate efforts by the California Geological Survey to complete the earthquake induced landslide and liquefaction mapping for the Bay Area.	Town Geologist Cotton Shires	

### Existing Programs

Category	#	Regional Mitigation Strategies Identified as Existing Program in Los Altos Hills	Responsible Agency or Department	LPT Comments
landuse	a-8	Require that local government reviews of geologic and engineering studies are conducted by appropriately trained and credentialed personnel.	Town Geologist Cotton Shires	
landuse	b-1	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.	Building Department and County Fire	
landuse	b-2	Develop a clear legislative and regulatory framework at both the state and local levels to manage the wildland-urban-interface consistent with <i>Fire Wise</i> and sustainable community principles.	County Fire	
landuse	c-1	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.	Engineering	
landuse	c-2	Incorporate FEMA guidelines and suggested activities into local government plans and procedures for managing flood hazards.	Engineering	
landuse	c-4	Establish and enforce regulations concerning new construction (and major improvements to existing structures) within flood zones in order to be in compliance with federal requirements and, thus, be a participant in the Community Rating System of the <i>National Flood Insurance Program</i> .	Engineering	The Town is not part of CRS.
landuse	d-1	Establish and enforce provisions (under subdivision ordinances or other means) 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.	Engineering, Planning	Added Planning
landuse	d-2	Require that local government reviews of these investigations are conducted by appropriately trained and credentialed personnel.	Engineering	
landuse	d-3	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.	Engineering	
landuse	d-4	Establish and enforce provisions under the creek protection, storm water management, and discharge control ordinances designed to control erosion and sedimentation.	Engineering	
landuse	d-5	Establish requirements in zoning ordinances to address hillside development constraints, especially in areas of existing landslides.	Engineering, Planning	Added Planning
landuse	e-1	For new development, require a buffer zone between residential properties and landslide or wildfire hazard areas.	Engineering, Planning	Added Planning
landuse	e-2	Discourage, add additional mitigation strategies, or prevent new construction or major remodels on slopes greater than a set percentage, such as 15%, due to landslide or wildfire hazard concerns.	Engineering	
landuse	f-5	Strive to provide and preserve existing buffers between development and existing users of large amounts of hazardous materials, such as major industry, due to the potential for catastrophic releases or fires due to an earthquake, accident, or terrorism. (Flooding might also result in release or spread of these materials; however, it is unlikely.) In areas where buffers do not exist or cannot be created, provide alternative mitigation.	Planning	There are no users of large amounts of hazardous materials in Los Altos Hills

### 23.8.3 Los Altos Hills Attachment 3: Los Altos Hills Exposure Analysis

This list includes all information on Los Altos Hills' critical facilities and identifies which of the Town's critical resources are located in the mapped hazard areas. It should be noted that the critical facilities used in Section 23.4.2.2 have been updated since ABAG's conducted exposure analysis. There may be some discrepancies with the identified critical resources in the 2010 regional hazard mitigation plan prepared by ABAG and those in Los Altos Hills Attachment 3: Exposure Analysis.

Attachment 3 Los Altos Hills Exposure Analysis

Map ID	Name	ADDRESS	TYPE	Peak Acceleration (%g)	Perceived Shaking	Potential Damage	Instrumental Intensity	Liquefaction Hazard Zone	Within Fault Rupture Hazard Zone	Within Landslide Hazard Zone	Fire Hazard Zone	Flood Zone (Annual % Chance)
1	Poor Clare Nuns LAH	28210 Natoma Rd	Rel	125%	Extreme	Very Heavy	X+		Y		High	0.2 %
2	Fremont Hills Stable	24941 Purissima Rd	Barn	125%	Extreme	Very Heavy	X+			Y		0.2 %
3	LAH Town Hall	26379 Fremont Rd	Gov	115%	Violent	Heavy	IX			Y		0.2 %
4	Church of Redeemer	380 Magdalena Rd	Rel	125%	Extreme	Very Heavy	X+		Y			
5	Antenna Tri-band EOC	26379 Fremont Rd	Comm	115%	Violent	Heavy	IX			Y		0.2 %
6	Wilder #11 Pump Station	Near 1190 Border Rd	Util - CWS	125%	Extreme	Very Heavy	X+			Y		1 %
7	WT05 Matadero Pump	13240 Page Mill Rd	Util - PHWD	135%	Extreme	Very Heavy	X+		Y		High	0.2 %
8	WT01 Deer Creek Pump	Arastradero/Purissima	Util - CWS	115%	Violent	Heavy	IX			Y	High	
9	Fremont Hills CC	12889 Viscaino Place	CC	125%	Extreme	Very Heavy	X+			Y		0.2 %
10	Pinewood School 7-12	26800 Fremont Rd	School	115%	Violent	Heavy	IX			Y		0.2 %
11	Congregation Beth Am	26790 Arastradero Rd	Rel	115%	Violent	Heavy	IX			Y	Moderate	0.2 %
12	Daughters of Charity	26000 Altamont Rd	Rel	95%	Violent	Heavy	IX		Y	Y	High	0.2 %
13	Hidden Villa	26870 Moody Rd	Barn	165%	Extreme	Very Heavy	X+			Y	High	
14	112 Pump Station	Near 13390 Lennox Wy	Util - CWS	115%	Violent	Heavy	IX			Y		0.2 %
15	LA Golf & CC	1560 Country Club Dr	CC	105%	Violent	Heavy	IX					
16	Waldorf School PK 12	11311 Mora Dr	School	85%	Violent	Heavy	IX		Y		Moderate	
17	St Nicholas Catholic	12816 S. El Monte Rd	School	135%	Extreme	Very Heavy	X+			Y		0.2 %
18	Bullis School K-6	25890 W. Fremont Rd	School	115%	Violent	Heavy	IX			Y		0.2 %
19	Westwind Barn and Antenna	27210 Altamont	Comm	105%	Violent	Heavy	IX		Y		High	0.2 %

Attachment 3 Los Altos Hills Exposure Analysis

Map ID	Name	ADDRESS	TYPE	Peak Acceleration (%g)	Perceived Shaking	Potential Damage	Instrumental Intensity	Liquefaction Hazard Zone	Within Fault Rupture Hazard Zone	Within Landslide Hazard Zone	Fire Hazard Zone	Flood Zone (Annual % Chance)
20	WT14 Toyon Yard	12400 El Monte Rd	Util - PHWD	145%	Extreme	Very Heavy	X+	Very High	Y		Moderate	1 %
21	WT04 La Cresta Tank	12863 La Cresta Dr	Util - PHWD	115%	Violent	Heavy	IX			Y	Moderate	0.2 %
22	Christ Episcopal	1040 Border Rd	Rel	105%	Violent	Heavy	IX			Y		
23	St Lukes Chapel	26140 Duval Wy	Rel	125%	Extreme	Very Heavy	X+					0.2 %
24	Terrace Tank #7	934 Terrace Dr	Util - CWS	125%	Extreme	Very Heavy	X+					
25	WT13 Altamont Tank	27268 Deer Springs W	Util - PHWD	105%	Violent	Heavy	IX				High	0.2 %
26	Mora Tank	End of Mora Dr	Util - CWS	85%	Violent	Heavy	IX		Y	Y	High	
27	Loyola Tank #8	Near 10695 Eloise Cir	Util - CWS	85%	Violent	Heavy	IX		Y	Y	High	
28	WT06 Hungry Horse	28540 Matadero Creek	Util - PHWD	95%	Violent	Heavy	IX				High	0.2 %
29	WT10 Elena Pump/Tank	13037 Vista Del Valle	Util - PHWD	95%	Violent	Heavy	IX		Y	Y	High	0.2 %
30	Olive Tree #37	24899 Olive Tree Ln	Util - CWS	95%	Violent	Heavy	IX				Moderate	
31	WT3 McCann Tank/Pump	26451 Ascension Dr	Util - PHWD	115%	Violent	Heavy	IX					0.2 %
32	WT11 O'Keefe #114	25351 O'Keefe Ln	Util - CWS	115%	Violent	Heavy	IX					0.2 %
33	WT09 LA Heights	Near 25400 La Rena Dr	Util - CWS	115%	Violent	Heavy	IX			Y	Moderate	0.2 %
34	WT17 Neary Tank	25305 La Loma Dr	Util - PHWD	95%	Violent	Heavy	IX				High	
35	Eastbrook #38 Pump Station	280 Off Ramp	Util - CWS	115%	Violent	Heavy	IX					0.2 %
36	Blandor #28 Tank	24752 Olive Tree Ln	Util - CWS	95%	Violent	Heavy	IX			Y	High	
37	Price #10 Tank	Magdalena @ Olive Tree	Util - CWS	95%	Violent	Heavy	IX				High	0.2 %
38	OP1 Page Mill Rd	280 & Page Mill Rd	OPX	125%	Extreme	Very Heavy	X+				High	

Attachment 3 Los Altos Hills Exposure Analysis

Map ID	Name	ADDRESS	TYPE	Peak Acceleration (%)	Perceived Shaking	Potential Damage	Instrumental Intensity	Liquefaction Hazard Zone	Within Fault Rupture Hazard Zone	Within Landslide Hazard Zone	Fire Hazard Zone	Flood Zone (Annual % Chance)
39	OP3 Elena Rd	280 & Elena Rd	OP	125%	Extreme	Very Heavy	X+			Y	Moderate	0.2 %
40	OP4 La Barranca Rd	280 & La Barranca Rd	OP	125%	Extreme	Very Heavy	X+		Y	Y	Moderate	0.2 %
41	OP5 Robleda Rd	280 & Robleda Rd	OP	125%	Extreme	Very Heavy	X+			Y		0.2 %
42	OP6 El Monte Rd	280 & El Monte Rd	OPX	135%	Extreme	Very Heavy	X+		Y			0.2 %
43	OP7 Magdalena Rd	280 & Magdalena Rd	OPX	115%	Violent	Heavy	IX		Y			0.2 %
44	WT12 Page Mill Tank	11150 Page Mill Rd	Util - PHWD	105%	Violent	Heavy	IX				Moderate	
45	OP8 Mora Dr	280 & Mora Dr	OP	115%	Violent	Heavy	IX		Y			
46	OP2 Arastradero Rd	280 & Arastradero Rd	OP	115%	Violent	Heavy	IX			Y	High	0.2 %
47	LAH Corp Yard	27400 Purissima Rd	Gov	125%	Extreme	Very Heavy	X+			Y		0.2 %
48	WT07 Sunset Tank	13310 E. Sunset Dr.	Util - CWS	115%	Violent	Heavy	IX			Y	Moderate	0.2 %
49	WT02 Pinecrest #113	14410 De Bell Rd	Util - CWS	105%	Violent	Heavy	IX			Y		0.2 %
50	FS Loyola	765 Fremont Ave, LA	FS	125%	Extreme	Very Heavy	X+					0.2 %
51	Pinewood Middle 3-6	327 Fremont Ave	School	125%	Extreme	Very Heavy	X+					0.2 %
52	LAH Heritage House	26379 Fremont Rd	Gov	115%	Violent	Heavy	IX			Y		0.2 %
53	WT08 Robleda Height	13070 S. Alta Ln	Util - CWS	115%	Violent	Heavy	IX			Y		0.2 %
54	#35 Pump Station	Near 10811 Loyola Dr	Util - CWS	85%	Violent	Heavy	IX		Y	Y	Moderate	
55	Foothill College and KFJC 89.7 FM	12345 El Monte Rd	School	125%	Extreme	Very Heavy	X+					0.2 %
56	FS El Monte LAH CFD and CERT ARK	12355 El Monte Rd	FS	145%	Extreme	Very Heavy	X+	Very High			High	0.2 %
57	LAE Staging Area	27400 Purissima Rd	LAE	125%	Extreme	Very Heavy	X+			Y		0.2 %

Attachment 3 Los Altos Hills Exposure Analysis

Map ID	Name	ADDRESS	TYPE	Peak Acceleration (%g)	Perceived Shaking	Potential Damage	Instrumental Intensity	Liquefaction Hazard Zone	Within Fault Rupture Hazard Zone	Within Landslide Hazard Zone	Fire Hazard Zone	Flood Zone (Annual % Chance)
58	PA Foothills Park #8	3300 Page Mill Rd	FS	105%	Violent	Heavy	IX		Y		Moderate	0.2 %
59	O'Keefe Sewer Pump Station	O'Keefe between Normandy and Cantana	Util	135%	Extreme	Very Heavy	X+					0.2 %
60	Purissima and Elena Sewer Pump Station	28002 Purissima Road (south of Elena)	Util	125%	Extreme	Very Heavy	X+			Y		0.2 %
61	Purissima Hills Water	26375 W. Fremont Road	Util	115%	Violent	Heavy	IX			Y		1 %

#### 23.8.4 Los Altos Hills Attachment 4: Meeting Documentation

This attachment includes agendas, meeting notes, and relevant handouts from meetings of the Local Planning Team conducted during the development of this annex.

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## LOS ALTOS HILLS 2013 LHMP UPDATE - MEETING AGENDA

**Date:** March 8, 2013

**Time:** 10:00am – 11:00am

**Location:** Los Altos Hills Town Hall, 26379 Fremont Road, Los Altos Hills, CA 94022

**Purpose:** Kickoff the LHMP update process

**Attendees:** Corinne Bartshire, Marsha Hovey

### Agenda Items

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#### Local Planning Team

City Manager

Planning

Buildings

Public Works

Parks and Recreation

Emergency Management

Police

Fire

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#### Public Outreach

Online Survey

LPT Workshop(s) (Vulnerability Review and Strategy Development)

Planning Commission / City Council Meeting

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#### Capability Assessment

Strategy rankings per ABAG worksheet

Completed projects

Current projects

Staff and organizational capabilities

Technical capabilities

Fiscal capabilities

Policies and programs

    General Plan

    EOP

    Floodplain Management Plan /

    Ordinance

    Capital Improvement Plan

Building Code

Development Ordinance

NFIP participation / CRS participation

Repetitive Loss Properties

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#### Vulnerability Assessment

Confirm critical facilities

Prepare hazard mapping graphics

Available GIS data from Town of Los Altos Hills

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#### Mitigation Strategy

Identified concerns

Potential projects

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#### Plan Maintenance

Follow County template

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## LOS ALTOS HILLS 2013 LHMP UPDATE - MEETING NOTES

**Date:** March 8, 2013

**Time:** 10:00am – 11:00am

**Location:** Los Altos Hills Town Hall, 26379 Fremont Road, Los Altos Hills, CA 94022

**Purpose:** Kickoff the LHMP update process

**Attendees:** Corinne Bartshire, Marsha Hovey

### Summary of Discussion

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#### Local Planning Team will include:

City Manager – Carl Cahill

Planning – Debbie Pedro

Public Works – Richard Chiu

Public Information Officer – Deborah Padovan

Parks and Recreation – Sarah Gualtieri

Emergency Management – Marsha Hovey

Police – Ken Bender

Fire District – Stu Farwell

Purissima Hills Water District – Patrick Walter

CERT – Mike Sanders

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#### Public Outreach

Corinne will prepare an Online Survey consistent with what the County distributed for release in Los Altos Hills. Corinne will provide draft text for: Website, email distribution, and press release

Stakeholders to distribute survey to include CERT, nextdoor.com...

LPT Workshop(s) (Vulnerability Review and Strategy Development)

1<sup>st</sup> milestone workshop with LPT to be held focusing on hazards and vulnerability assessment. – May 1<sup>st</sup>  
10am – 12pm

2<sup>nd</sup> milestone workshop will be held one – two months following and focus on the mitigation strategy.

Planning Commission / City Council Meeting will be avenues to distribute/present a public review draft of the updated annex.

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#### Capability Assessment

Corinne will look into the following materials and draft a capabilities assessment for Los Altos Hills. The LPT members will be requested to provide materials as needed.

\*Note Los Altos Community Foundation capabilities to support.<<< This Foundation is located in Los Altos. Unless there is a partnership between Los Altos and Los Altos Hills, they may not provide support.

Strategy rankings per ABAG worksheet

Completed projects

Current projects

Staff and organizational capabilities

Technical capabilities

Fiscal capabilities

Policies and programs

General Plan  
EOP

Floodplain Management Plan /  
Ordinance

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## LOS ALTOS HILLS 2013 LHMP UPDATE - MEETING NOTES

Capital Improvement Plan  
Building Code  
Development Ordinance

NFIP participation / CRS participation  
Repetitive Loss Properties

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### **Vulnerability Assessment**

Marsha will send Corinne the list of critical facilities as identified for the EOC

Marsha will upload available City maps to the below FTP site.

Marsha will inquire as to which data layers are available in GIS and whether the critical facilities are available as a GIS layer.

>>>Critical Facilities are a GIS layer. All of the Town's layers are managed by Purissima Hills Water.

### **FTP Site Information:**

Click on the following link to go to Dewberry's FTP site.

<ftp://ftp.dewberry.com>

In Internet Explorer 8, go to 'Page,' in the tool bar, and then click 'Open FTP Site in Windows Explorer.'

If prompted, then enter the following credentials:

user - California

pwd - SQ1YV4 (case sensitive)

If you are not prompted for credentials, then right click, and select 'Login As...' then enter the same credentials.

Please note: Files that are not accessed within 5 days will be automatically removed by the system.

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### **Mitigation Strategy – To Be Discussed In Future Meetings**

Identified concerns

Potential projects

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### **Plan Maintenance**

Follow County template – The Town of Los Altos Hills will conduct an annual review of their plan.

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## LOS ALTOS HILLS 2013 LHMP UPDATE - MEETING AGENDA

**Date:** May 1, 2013

**Time:** 10:00am – 12:00am

**Location:** Los Altos Hills Town Hall, 26379 Fremont Road, Los Altos Hills, CA 94022

**Purpose:** Milestone Meeting #1 - LHMP update

**Attendees:** Local Planning Team

### Agenda Items

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#### Overview of Hazard Mitigation Planning

Purpose / Requirements

Connection to ABAG and Santa Clara County efforts

Draft format for Los Altos Hills Annex

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#### Public Outreach

Online Survey

Public Review Period

Planning Commission Study Session?

City Council Meeting

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#### Vulnerability Assessment

Confirm priority hazards

Confirm critical facilities

Available GIS data from Town of Los Altos Hills

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#### Capability Assessment

Review regional strategy rankings (existing programs and priority strategies)

Discuss completed projects / mitigation successes

Discuss current mitigation projects

Review staff and organizational capabilities

Review technical capabilities

Review fiscal capabilities

Confirm policies and programs

General Plan

EOP

Floodplain Management Plan /

Ordinance

Capital Improvement Plan

Building Code

Development Ordinance

NFIP participation / CRS participation

Repetitive Loss Properties

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#### Next Steps and Wrap Up

Prepare hazard mapping graphics

Identify mitigation actions

Los Altos Hills Local Planning Team

May 1, 2013 - Sign In Sheet

First	Last	Email	Phone	Agency	5/1/2013
Ken	Binder	<i>Kenneth.binder@sheriff.scgov.org</i>	<i>(408) 868-6610</i>	Police Department <i>S/O</i>	<i>KB</i>
Carl	Cahill	<i>ccahill@losaltoshills.ca.gov</i>	<i>650.947.2514<sup>65</sup></i>	City Manager	
Richard	Chiu	<i>rchiu@losaltoshills.ca.gov</i>	<i>650.947.2516</i>	Public Works Dept	<i>R.C.</i>
Stu	Farwell			Fire District	
Sarah	Gualtieri	<i>Sgualtieri@losaltoshills.ca.gov</i>	<i>947-2518</i>	Parks and Recreation Dept	<i>sg</i>
Marsha	Hovey	<i>marshahovey@mac.com</i>	<i>408.722.1210</i>	Emergency Manager	
Deborah	Padovan	<i>dpadovane@losaltoshills.ca.gov</i>	<i>650-947-2513</i>	Public Information Officer	
Debbie	Pedro	<i>dpedro@losaltoshills.ca.gov</i>	<i>650.947.2517</i>	Planning Director	<i>DP</i>
Mike	Sanders	<i>MIKE.SANDERS@CNT.SCC.GOV</i>	<i>650 922 7055</i>	CERT	<i>MD</i>
Ted	Sayre	<i>tsayre@cottonshires.com</i>	<i>408.354.5542</i>	Cotton Shires Associates	
Erik	Walter	<i>ewalter6@gmail.com</i>	<i>650.948.1217</i>	Purissima Hills Water District	
Patrick	Walter	<i>pwalter@purissimawater.org</i>	<i>650-948-1217</i>	Purissima Hills Water District	
<i>RICHARD</i>	<i>GREEN</i>	<i>rgreenengineer@yahoo.com</i>	<i>209 6127123</i>	<i>CERT</i>	
Carl	Cahill	<i>ccahill@losaltoshills.ca.gov</i>	<i>650-947-2515</i>	<i>LAH - CM</i>	<i>C.C.</i>

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## LOS ALTOS HILLS 2013 LHMP UPDATE - MEETING NOTES

**Date:** May 1, 2013

**Time:** 10:00am – 12:00am

**Location:** Los Altos Hills Town Hall, 26379 Fremont Road, Los Altos Hills, CA 94022

**Purpose:** Milestone Meeting #1 - LHMP update

**Attendees:** see attached sign-in sheet

### Discussion Summary

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#### Overview of Hazard Mitigation Planning

##### Purpose / Requirements

Corinne presented an overview of the Disaster Mitigation Act of 2000 and benefits of completing a hazard mitigation plan including eligibility to participate in the federal hazard mitigation assistance programs. Corinne also explained Assembly Bill 2140 and the requirements for linking the hazard mitigation plan to the general plan safety element to be eligible for additional California Disaster Assistance Act funding.

##### Connection to ABAG and Santa Clara County efforts

The Santa Clara County plan expires in June 2017. The Local Planning Team decided to prepare their plan as an annex to the County plan to be consistent with the other cities and countywide collaboration. It was noted that this would limit the life of the approved plan to just under 4 years rather than a complete 5 years if a stand-alone plan was developed. However, the Town intends to continue participating with the countywide efforts and will update their annex along with the rest of the County by June 2017.

##### Draft format for Los Altos Hills Annex

Corinne walked the LPT members through the format of the draft annex, consistent with the format used for the other city annexes to the County plan.

**Action Item:** Patrick Walter will send Corinne a copy of the Purissima Hills Water District Hazard Mitigation Plan for integration into this effort.

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#### Public Engagement and Planning Timeline

##### Online Survey

The Local Planning Team approved the draft online survey presented at the meeting. It is consistent with the online survey utilized by the countywide mitigation planning efforts so that the results may be incorporated into the countywide tally as appropriate.

The survey is available at [www.surveymonkey.com/s/LAHLHMP](http://www.surveymonkey.com/s/LAHLHMP)

The LPT agreed to close the survey on June 30<sup>th</sup> in order to capture the results into a complete draft of the annex. Members of the LPT will assist with promoting the survey.

**Action Item:** Corinne will distribute outreach guidance to the LPT including a draft press release, email distribution notice, and web postings for members of the LPT to use in requesting participation from the Town's varied stakeholders. Some items discussed included: newsletter, Town website, Town picnic, NextDoor, Town Crier, The Patch, etc.

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## LOS ALTOS HILLS 2013 LHMP UPDATE - MEETING NOTES

**Action Item:** Carl will give the City Council advance notice of the online survey and the anticipated approach for soliciting public input.

### Public Review Period

We anticipate a complete draft of the plan to be available for public review in August 2013.

### Planning Commission Study Session

To be scheduled for September 2013, will serve as an opportunity to host a public forum to discuss the draft mitigation plan.

### City Council Meeting

Anticipated to seek City Council adoption of the plan in October 2013.

### Cal EMA / FEMA Submittal

Dewberry will submit the adopted plan to Cal EMA / FEMA once the City Council resolution is finalized.

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## Vulnerability Assessment

### Confirm priority hazards

The Local Planning Team discussed the following priority hazards for Los Altos Hills

- Potential for an earthquake to cause landslides which may damage public infrastructure such as water tanks, pumps, sewers, roads, etc.
- Localized flooding on private property is a concern.
- Minimal to no concern for creek overflow/flooding.
- No liquefaction areas within the Town
- Wildfire is a major concern. Two-thirds of the Town is in the Wildland Urban Interface area. (The Safety Element addresses this)
- Areas west of Highway 280 are the largest concern for wildfire vulnerability with the exception of the Sunset Drive neighborhood where narrow winding roads present access challenges for fire suppression vehicles.
- There are some problematic creek channels (Barren creek (?) behind Pinewood School)
- December 2012 had significant occurrences of localized flooding causing damages to pathways and minor landslides.
- Trees falling has been an issue

### Confirm critical facilities

The LPT confirmed the critical locations list of Building and Roadway Priorities. This list is used by CERT to prioritize buildings and roadways for inspections following a disaster.

### Available GIS data from Town of Los Altos Hills

Dewberry received the geological hazards map from Cotton Shires Associates.

**Action Item:** The Purissima Hills Water District is providing GIS data for the critical locations.

**Action Item:** Mike Sanders to provide contact info for Chris Ingram so Dewberry may inquire if there is any relevant mapping data for the wildfire hazard in Los Altos Hills.

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## LOS ALTOS HILLS 2013 LHMP UPDATE - MEETING NOTES

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### Capability Assessment

Review regional strategy rankings (existing programs and priority strategies)

In 2010, the Town identified existing programs and priority mitigation strategies from within a list of regional strategies prepared by the Association of Bay Area Governments.

**Action Item:** Debbie Pedro and Richard Chiu will review these identifications and provide any specific Los Altos Hills information in the LPT Comments column of the attached spreadsheets. The intent is to (1) articulate the existing capabilities (programs/policies/ordinances) currently administered within the Town that help reduce risk to natural hazards and (2) further define priority projects or strategies that will help the town further risk reduction efforts.

Discuss completed projects / mitigation successes

Richard Chiu discussed two completed projects stabilizing roads: (1) Elaina (?) Road – installation of piers to prevent sliding, (2) Page Mill Rd – creek erosion was undermining the road, installed piers to stabilize the road however, the creek is still eroding

As a policy, the Town's consulting geologist puts in testing equipment to monitor the rate of creep in roads where cracking is identified. This enables the Town to prioritize road stabilization projects.

To prevent wildfire, the Town has conducted dead pine tree removal, eucalyptus removal and brush removal west of 280. The Town also runs a brush chipping program and roadside vegetation removal efforts.

The 1985 fire in Los Altos Hills is still a reminder to residents that vegetation management is critical.

The Fire District has extra personnel on duty during fire season including a roving fire truck.

The Town conducts an annual tree evaluation on roadways and pathways. The trees are ranked based on the level of distress. This evaluation helps identify trees likely to fall in strong winds or storm conditions.

NFIP – Richard Chiu is the Town's Floodplain Administrator. The Town participates in the NFIP by incorporating it into the review process for private development. Floodplain ordinance is in the municipal code. Engineers complete certificates as needed.

### Available Capabilities

The Local Planning Team will be asked to review a draft capabilities assessment and provide any relevant information regarding staff and organizational capabilities, technical capabilities, and fiscal capabilities. The draft annex provided at this meeting presents an outline of the capabilities assessment section.

Note: Debbi Pedro will participate in the upcoming Joint Venture Silicon Valley Climate Action Plan and notify Corinne of any pertinent materials to incorporate into the hazard mitigation plan.

Confirm policies and programs

Dewberry will prepare summaries and references to the following policies and programs as they support risk reduction activities throughout Los Altos Hills:

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## LOS ALTOS HILLS 2013 LHMP UPDATE - MEETING NOTES

General Plan  
EOP  
Floodplain Management Plan /  
Ordinance  
Capital Improvement Plan

Building Code  
Development Ordinance  
NFIP participation / CRS participation  
Repetitive Loss Properties

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### Next Steps

Dewberry will provide outreach guidance for the LPT to promote the online survey.

Dewberry will prepare hazard mapping graphics and complete the draft vulnerability assessment.

The LPT will begin identifying mitigation actions / projects to reduce future risk to natural hazards.

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### Attachments

1. Sign In Sheet
2. Draft Town of Los Altos Hills Annex
3. Online Survey
4. Critical Locations
5. Existing Programs
6. Priority Strategies

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## LOS ALTOS HILLS 2013 LHMP UPDATE - MEETING AGENDA

**Date:** July 30, 2013

**Time:** 1:00pm – 4:00pm

**Location:** Los Altos Hills Town Hall, 26379 Fremont Road, Los Altos Hills, CA 94022

**Purpose:** Milestone Meeting #2 - LHMP update

**Attendees:** Local Planning Team

### Agenda Items

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#### Review and Validation of Draft Annex

Survey Results Summary

Capabilities Assessment – additions/corrections requested

Vulnerability Analysis – additional concerns for discussion

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#### Mitigation Strategy

Confirm overall priorities

Identify several specific mitigation actions for Town of Los Altos Hills

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#### Plan Maintenance

Establish process for monitoring and maintaining this Annex

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#### Public Review Period

Planning Commission Study Session?

Schedule for Public Review

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#### Next Steps and Wrap Up

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## LOS ALTOS HILLS 2013 LHMP UPDATE - MEETING NOTES

**Date:** July 30, 2013

**Time:** 1:00pm – 4:00pm

**Location:** Los Altos Hills Town Hall, 26379 Fremont Road, Los Altos Hills, CA 94022

**Purpose:** Milestone Meeting #2 - LHMP update

**Attendees:** see attached sign-in sheet

### Discussion Summary

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#### Review and Validation of Draft Annex

Survey Results Summary

Capabilities Assessment – additions/corrections requested

Vulnerability Analysis – additional concerns for discussion

Debbie Pedro requested incorporation of the Town's Geotechnical and Seismic Hazard Map.

**Action Item:** LPT members to submit comments/additions/corrections regarding any portion of the draft to Corinne by close of business **Tuesday August 6, 2013**.

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#### Mitigation Strategy

Confirm overall priorities

Identify several specific mitigation actions for Town of Los Altos Hills

The LPT discussed three potential mitigation actions:

1. Compiling an inventory of bridges (County Fire, Cal Trans, County Roads & Airports) for use as an EOC resource and to be integrated in the CERT map for inspections following an earthquake.
2. Community Wildfire Protection Plan (Participate with Santa Clara County Operational Area)
3. Evacuation Plan and Awareness (focus on wildfire evacuation routes and public awareness campaign)

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#### Plan Maintenance

Establish process for monitoring and maintaining this Annex

The LPT proposes an annual meeting to review the hazard mitigation plan and document items to be updated, progress that has been made, significant events that occurred over the year, etc. Pending approval of the City Manager for incorporation into the Annex.

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#### Public Review Period

The LPT agreed upon the following schedule for the Public Review Period

August 21, 2013 – Public Review Draft is complete and released

September 5, 2013 – Planning Commission Study Session

September 15, 2013 – Close Public Review Comment Period

October 2, 2013 – Adoption Draft is complete

October 17, 2013 – City Council Adoption



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## LOS ALTOS HILLS 2013 LHMP UPDATE - MEETING NOTES

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### Next Steps and Wrap Up

LPT comments due to Dewberry by Tuesday August 6<sup>th</sup>

Public Review Draft due to LPT by Wednesday August 21<sup>st</sup>

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### Attachments

1. Sign In Sheet
2. Draft Town of Los Altos Hills Annex (07242013) in Word



### 23.8.5 Los Altos Hills Attachment 5: Street Survey

This attachment presents the results of a 2012 survey evaluating accessibility of private roads and bridges within Los Altos Hills for fire apparatus.

Town of Los Altos Hills  
List of Private Roads

	<u>Street Name</u>	<u>Road Type</u>	<u>Length</u>	<u>Existing Pavm't Width</u>	<u>Inspected</u>	<u>Sufficient Access</u>	<u>Access problems</u>	<u>Comments</u>
	1 Adobe Ln.	Cul-de-sac	1296	24	10/13/12	YES	YES	LOW WIRTS
	2 Albertsworth Ln.	Cul-de-sac	357	22	10/14/12	YES		
	3 Almaden Ct.	Cul-de-sac	1743	22	10/16/12	YES	NO	
X	4 Alta Lane	Through			10/15/12	YES	YES	NO TURN AROUND
X	5 Alta Lane North	Cul-de-sac	360	13	10/15/12	YES	YES	NO TURN AROUND
X	6 Alta Lane South	Cul-de-sac	360	13	10/15/12	YES	YES	NO TURN AROUND
X	7 Altamount Ct.	Cul-de-sac	596	19	10/15/12	YES	YES	NO TURN AROUND
	8 Amigos Ct.	Cul-de-sac			10/14/12	YES	NO	
	9 Appaloosa Wy.	Cul-de-sac	327	20	10/16/12	YES	NO	
	10 Arroyo Wy.	Cul-de-sac	200	10	10/17/12			NO STREET THERE!
X	11 Atherton Ct.	Cul-de-sac	506	19	10/15/12	YES	NO	OVERGROWN - TH
	12 Avila Ct.	Cul-de-sac	372	16	10/11/12	YES	NO	
	13 Baker Ln.	Cul-de-sac	372	18	10-12-12	YES		
	14 Bassett Ln.	Cul-de-sac	596	14	10/15/12	YES	YES	LARGE OVERHANG SIDEWALK
X	15 Beatrice Ln.	Cul-de-sac	285	14	10/15/12	YES	NO	
	16 Bella Ladera Dr.	Cul-de-sac	491	17	10/14/12		YES	NOT ADEQUATE TURN AROUND
	17 Birch Hill Wy.	Cul-de-sac	432	18	10/16/12	YES	NO	
	18 Black Mountain Rd.	Cul-de-sac	924	21	10/17/12	YES	NO	
	19 Blue Oak Place	Cul-de-sac		18	10-13-12	YES	NO	CHAIN GATE
X	20 Brendel Ct. DRIVE	Cul-de-sac	476	17	10-15-12	YES	NO	
	21 Briones Ct.	Cul-de-sac	521	22	10/11/12	YES	NO	
	22 Buena Vista Dr.	Cul-de-sac	1654	12	10/13/12	YES	YES	OVERGROWN TH
	23 Burke Ln.	Through	298	20	10/17/12	YES	YES	OVERGROWN EAST SIDE
X	24 Burke Rd.	Through	1102	18	10/15/12	NO	YES	DIRT, OVERGROWN
	25 Bryne Park Ln.	Cul-de-sac	1058	22	10/16/12	YES	NO	
	26 Calle Del Sol	Cul-de-sac	417	16	10-12-12	YES		
X	27 Campo Vista Ln.	Cul-de-sac	1013	12	10/15/12	YES	YES	OVERGROWN
	28 Canata Wy.	Cul-de-sac	581	16	10-13-12	NO	YES	THREE OVERHANGS
X	29 Carado Ct.	Cul-de-sac	387	14	10/15/12	YES	NO	
	30 Carrington Ct.	Cul-de-sac	193	20	10/11/12	YES	NO	Vegetation + TURN AROUND
	31 Casa Mia Wy.	Cul-de-sac	655	17	10/14/12		YES	BENCHES + TURN AROUND
	32 Central Dr.	Cul-de-sac	2100	14	10/15/12	YES	YES	TYPE 3 ONLY
	33 Chaparral Wy.	Cul-de-sac	4530	10	10/13/12	NO	NO	TYPE 3 ONLY
	34 Chardonnay Lane	Cul-de-sac			10/14/12	YES	NO	
	35 Christophers Ln	Cul-de-sac	1758	10	10/11/12	YES	NO	
X	36 Ciceroni Ln.	Cul-de-sac	581	18	10/15/12	YES	YES	NO TYPE 1 TURN
	37 Cortez Ln.	Cul-de-sac	372	18	10/11/12	YES	NO	
	38 Cowden Pl.	Cul-de-sac			10/17/12	YES	NO	
X	39 Crescent Ln.	Cul-de-sac	476	25	10/15/10	YES	NO	
	40 Cumbre Vista Ct.	Cul-de-sac	596	21	10/16/12	YES	NO	
X	41 Daring Wy.	Cul-de-sac	357	15	10/15/10	YES	YES	NO TYPE 1 TURN
	42 Dawnridge Dr.	Cul-de-sac	1922	24	10/14/12	OK		TREES WILL NEED TRIMMING SOON

COUNTRY WAY

10/11/12 YES

Town of Los Altos Hills  
List of Private Roads

	<u>Street Name</u>	<u>Road Type</u>	<u>Length</u>	<u>Existing Pavm't Width</u>	<u>Inspected</u>	<u>Sufficient Access</u>	<u>Access problems</u>	<u>Comments</u>
43	Deer Springs Wy.	Cul-de-sac	1788	22	10/16/12	YES	NO	
44	Edgecliff Pl.	Cul-de-sac	521	14	10/15/12	NO	NO	NO TYPE 1 TURN AROUND
45	El Caminito Rd.	Cul-de-sac	900	10	10/14/12	YES	YES	NO TURN AROUND
46	Elise Ct.	Cul-de-sac	536	15	10/14/12	YES		NO TURN AROUND
47	Elmberg Ridge	Cul-de-sac			10/17/12			NO STREET THERE
48	Elosie Circle	Through			10/14/12	YES	BUT SOME BRANCHES ABOVE SIDE	
49	Encinal Ct.	Cul-de-sac	730	17	10/14/12	YES		
50	Estralita Pl.*	Cul-de-sac	536	19	10/16/12	YES	NO	
51	Eucalyptus Ln.	Cul-de-sac	387	18	10/17/12	YES	NO	
52	Fernhill Dr.*	Cul-de-sac	1743	17	10/14/12	YES		
53	Gerth Ln.	Cul-de-sac	1520	11	10/11/12	YES	BAD ONE	MAX 20 TONS
54	Ginny Ln.	Cul-de-sac	280	10	10-12-12	YES		
X 55	Hill Wy.	Cul-de-sac	342	18	10/15/12	YES	YES	NO TURN AROUND
56	Hooper Ln.	Cul-de-sac	715	15	10/14/12	YES	BUT -	BRANCHES HIT RIB
57	Jabil Ln.	Cul-de-sac	819	15	10/14/12	YES	BUT -	BRANCHES HIT RIB
58	Jarvis Wy.	Cul-de-sac	804	15	10/11/12	YES	YES	GATE
59	Julietta Ln.*	Cul-de-sac	1400	16	10/15/12	YES	NO	
60	Kriste Ln.	Cul-de-sac	596	18	10/16/12	YES	NO	NO TURN AROUND
61	La Loma Ct.	Cul-de-sac	327	22	10/13/12	YES	NO	
62	La Loma Dr.	Cul-de-sac	1013	20	10/13/12	YES	NO	ADJUST 1 UPDARK
63	Laurel Ln.	Cul-de-sac	268	17	10/16/12	YES	NO	
64	Lennox Wy.	Cul-de-sac	745	11	10/17/12	YES	YES	TO BE GLOWN
65	Lomita Linda Ct.	Cul-de-sac	506	15	10/14/12	YES	NO	
66	Lone Oak Ln.	Cul-de-sac	596	15	10/17/12	YES		
67	Lucero Ln.	Cul-de-sac	298	20	10/11/12	YES	NO	
68	Lynndale Wy.	Cul-de-sac	300	14	10/17/12	YES		
X 69	Maurer Ln.	Cul-de-sac	447	14	10/15/12	YES	NO	
70	Menalto Dr.	Cul-de-sac	432	14	10/11/12	YES	NO	
71	Minorca Ct.	Cul-de-sac	491	21	10/12/12	YES		
72	Mir Mirou Dr.	Cul-de-sac	849	20	10/11/12	YES	NO	
73	Miraloma Wy.	Cul-de-sac	730	16	10/14/12	YES		
74	Moody Ct.	Cul-de-sac	2265	16	10/13/12	TYPE 3	YES	
75	Moody Springs Ct.	Cul-de-sac	357	19	10/15/12	YES	NO	
76	Moon Ln.	Cul-de-sac	1564	20	10/11/12	YES	YES	UPPER MOON LN
77	Mulberry Ln.	Cul-de-sac	447	13	10/17/12	YES	NO	
78	Nicole Ln.	Cul-de-sac	342	16	10/14/12		GATE -	KNOX
79	Normandy Ln.*	Cul-de-sac	983	21	10/13/12	YES	YES	LOW OVERHANG
80	North Fork Lane	Cul-de-sac			10/11/12	YES	YES	HANGING BRANCHES
81	Old Snakey Rd.	Cul-de-sac	685	19	10/15/12	YES	YES	NO TYPE 1 TURN AROUND
82	Old Trace Ln.	Cul-de-sac	1043	10	10-12-12	YES		
83	Olive Tree Ct.	Cul-de-sac	357	18	10/14/12	YES		
84	Olive Tree Ln.	Cul-de-sac	1460	20	10/14/12	YES		BRANCHES NE 24809
85	Oneonta Dr.	Cul-de-sac	894	20	10/13/12	YES	NO	
86	Peck Ln.	Cul-de-sac	1579	16	10/15/12	YES	YES	DIRT, MAP IS WRONG

Town of Los Altos Hills  
List of Private Roads

	<u>Street Name</u>	<u>Road Type</u>	<u>Length</u>	<u>Existing Pavm't Width</u>	<u>Inspected</u>	<u>Sufficient Access</u>	<u>Access problems</u>	<u>Comments</u>
	87 Princess Elena Ct.	Cul-de-sac	774	15	10/14/12	YES	BUT	TREE BRANCHES NR MAX DRIVE
X	88 Quail Ln.	Cul-de-sac	804	16	10/15/12	YES	NO	
	89 Radcliffe Ln.	Cul-de-sac	715	16	10/11/12	YES	YES	need to back out
	90 Red Rock Rd.	Cul-de-sac	402	12	10/17/12	YES	YES	OVER GROWTH
	91 Rhoda Dr.	Cul-de-sac	655	20	10-12-12		YES	2 unrated bridges
X	92 Rhus Ridge Rd.	Cul-de-sac	2384	17	10/15/12	YES	NO	
X	93 Ridgewood Ln.	Cul-de-sac	342	16	10/15/12	YES	YES	NO TURN AROUND
X	94 Robleda Ct.	Cul-de-sac	491	20	10/15/12	YES	NO	
	95 Shady Oaks Ct.	Cul-de-sac	343	13	10-12-12		YES	unrated bridge
	96 Sherlock Ct.	Cul-de-sac	730	10	10-13-12	TYPE 3	NO	
	97 Sherlock Rd.	Cul-de-sac	2518	11	10/13/12	TYPE 3	YES	GROWTH
	98 Silent Hills Ln.	Cul-de-sac	342	20	10/13/12	YES	NO	
	99 Simon Ln.	Cul-de-sac	268	20	10/11/12	YES	NO	
	100 Snell Ct.	Cul-de-sac	387	14	10/16/12	YES	NO	
	101 South Fork Ln.	Cul-de-sac	900	10	10/11/12	YES	YES	hanging branches
	102 Summitwood Ct.	Cul-de-sac	840	16	10/13/12	NO	YES	TREES & GATE
	103 Sundown Canyon Wy	Cul-de-sac	685	15	10/14/12	YES	BUT	BRANCHES NR ENDS
	104 Sunrise Farm Rd.	Cul-de-sac	476	20	10/12/12			
	105 Taafe Lane	Cul-de-sac			10/17/12	YES		
	106 Tanglewood Ln.	Cul-de-sac	774	10	10/12/12	YES		
X	107 Templeton Pl.	Cul-de-sac	372	20	10/15/12	YES	NO	
X	108 Thendara Ln.	Cul-de-sac	655	10	10/13/12	YES		POOR TURN AROUND
	109 Tiara Lane	Cul-de-sac			10/14/12		GATE	POOR TURN AROUND
A	110 Todd Ln.	Cul-de-sac	819	20	10/15/12	YES	NO	
	111 Toyon Way PLACE	Cul-de-sac			10/13/12	SEE MOODY CT		
	112 Toyonita Road	Cul-de-sac			10/14/12	YES		BRANCHES NR 23423
	113 Tripoli Ct.	Cul-de-sac	283	17	10/11/12	YES	NO	
	114 Via Arline	Cul-de-sac			10/16/12	YES		NO TURN AROUND
X	115 Vinedo Ln.	Cul-de-sac	1446	12	10/15/12	YES	YES	TYPE 3 TURN AROUND ONLY
	116 Vogue Ct.	Cul-de-sac	536	21	10/10/12	YES	NO	
	117 Voorhees Dr*	Cul-de-sac	675	20	10/13/12	YES	NO	
	118 West Sunset Dr.	Cul-de-sac			10/17/12	YES	YES	OVER GROWTH
	119 Westridge Ct.	Cul-de-sac	357	18	10/11/12	YES	NO	DRIVEWAY/NO SIGN
X	120 Wild Flower Ln.	Cul-de-sac	432	16	10/15/12	YES	NO	
X	121 Wildcrest Dr.	Cul-de-sac	1877	20	10/15/12	YES	YES	NO TURN AROUND
	122 Willow Pond Ln.	Cul-de-sac	715	24	10/13/12	YES	NO	OVER GROWTH
	123 Winton Wy.	Cul-de-sac	357	15	10/14/12	YES	BUT SOME	BRANCHES ABOVE 5.06
	124 Wright Wy.	Cul-de-sac	400	11	10/16/12	YES	NO	
	125 Zeppettini Ct.	Cul-de-sac	462	20	10/11/12	YES	NO	
	SADDLE MOUNTAIN				10/11/12	YES	NO	
	MONJOI DRIVE	Cul-de-sac			10/12/12		YES	TURN AROUND

## Los Altos Hills Bridges

Street #	Address	Nearest Cross Street	Posted Rating	Comments	Addresses Served
26220	MOODY RD	CHAPARRAL WY	NONE	Ok to Cross - Not Posted	26220 MOODY RD
26870	MOODY RD	MOODY ST	65,000 Lbs	Ok to Cross - Rating Posted	26870 MOODY RD
2215	OLD PAGE MILL RD	GERTH LN	40,000 Lbs Vehicle 26,000 Lbs per axle	Ok to Cross - Rating Posted	GERTH LANE: 2209, 2210, 2215, 2235, 22450, 2245, 2250, 2255, 2265, 2275, 2285
2300	OLD PAGE MILL RD	PAGE MILL RD	NONE	Not Ok to Cross - Letter Sent	2300, 2300 B AND 2344 OLD PAGE MILL RD
27555	PURISSIMA RD	VISCAINO RD	NONE	Not Necessary to Cross - Not Posted	27641 PURISSIMA RD
27641	PURISSIMA RD	ELENA RD	50,000 Lbs Max Gross Weight	Ok to Cross - Rating Posted	