

# 2017

# LOCAL HAZARD MITIGATION PLAN



Prepared by:  
Wildomar, CA  
6/29/2017

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## PLAN ADOPTION/RESOLUTION

The City of Wildomar will submit plans to Riverside County Emergency Management Department who will forward to California Governor's Office of Emergency Services (CAL OES) for review prior to being submitted to the Federal Emergency Management Agency (FEMA). In addition, we will wait to receive an "Approval Pending Adoption" letter from FEMA before taking the plan to our local governing bodies for adoption. Upon approval, the Wildomar will insert the signed resolution.

*Placeholder for Resolution of Adoption*

# EXECUTIVE SUMMARY

The purpose of this local hazard mitigation plan is to identify the City's hazards, review and assess past disaster occurrences, estimate the probability of future occurrences and set goals and actions to reduce and/or eliminate potential risks to people and property from natural and man-made hazards.

The plan was prepared pursuant to the requirements of the Disaster Mitigation Act of 2000 to achieve eligibility and potentially secure mitigation grant funding through Federal Emergency Management Agency (FEMA) Flood Mitigation Assistance, Pre-Disaster Mitigation, and Hazard Mitigation Grant Programs.

Wildomar's continual efforts to maintain a hazard-mitigation strategy is on-going. Our goal is to develop and maintain an inclusive plan comprised of jurisdictions, special districts, businesses and community organizations to promote consistency, continuity and unification.

The City's planning process followed a methodology presented by FEMA and CAL-OES which included conducting meetings with the Operational Area Planning Committee (OAPC) coordinated by Riverside County Emergency Management Department (EMD) comprised of participating Federal, State and local jurisdiction agencies, special districts, school districts, non-profit communities, universities, businesses, tribal entities and the general public.

The plan identifies vulnerabilities, provides recommendations for prioritized mitigation actions, evaluates existing resources/capabilities, identifies opportunities for improvement, and provides guidance on maintenance/implementation of the plan over the next five years.

The plan will be implemented upon FEMA approval and City adoption.

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# SECTION 1.0 - COMMUNITY PROFILE

## 1.1 CITY MAP

Figure 1 depicts the Wildomar city limits, as well as the location and proximity of surrounding cities.

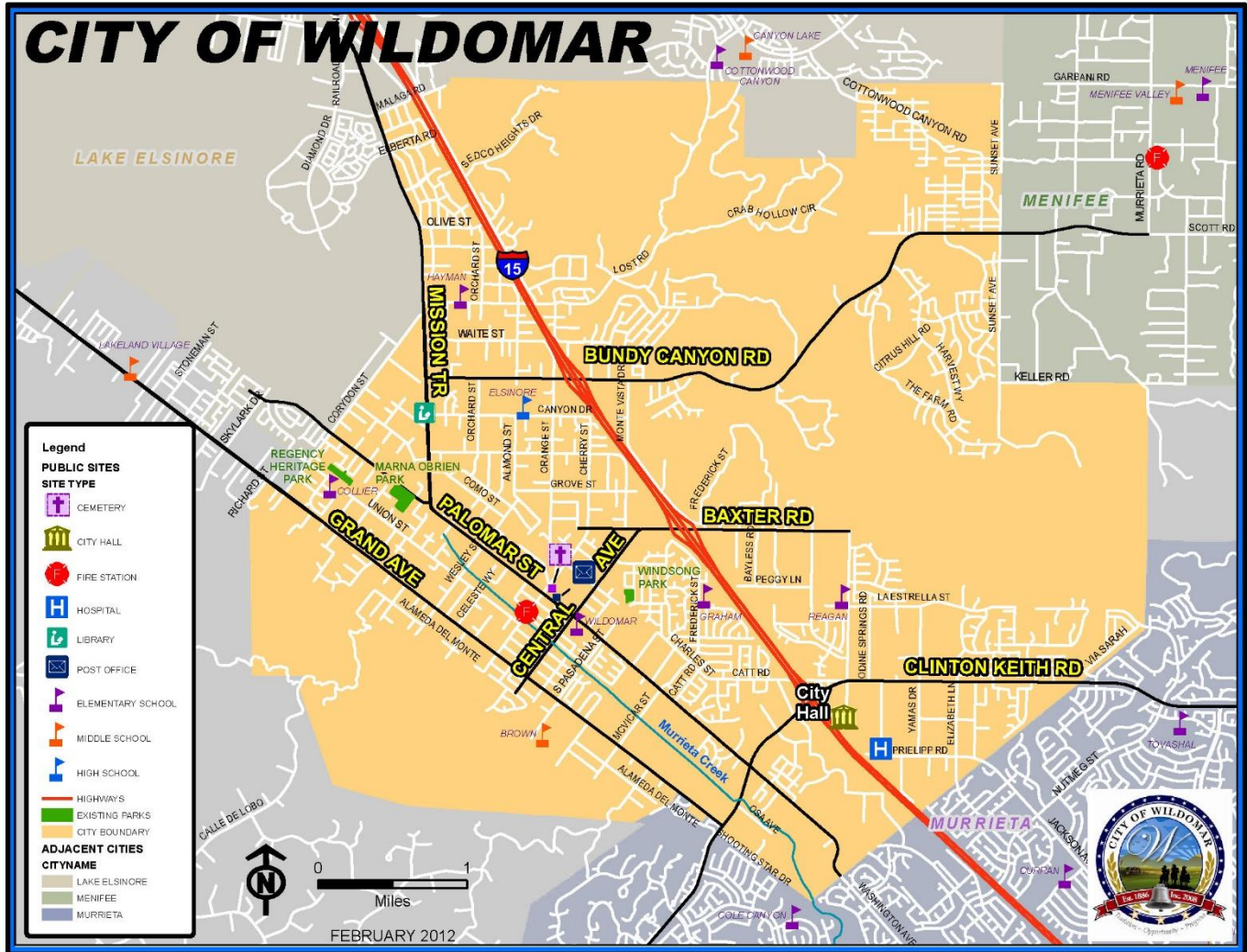


Figure 1-City of Wildomar

## 1.2 GEOGRAPHY AND CLIMATE DESCRIPTION

The City of Wildomar is an incorporated city in southwest Riverside County, California. Approximately 24 square miles in area, the City is 41 miles south of the City of Riverside (County seat). The City sits adjacent to the City of Murrieta to the south, the City of Menifee to the east, and the City of Lake Elsinore to the north. Interstate 15 (I-15) freeway runs through the middle of the City. The Santa Margarita Watershed runs through the southwest portion of the City. Stormwater runoff from portions of Lake Elsinore and Wildomar collects in the Murrieta & Temecula creeks and forms the Santa Margarita River south of the City.

City of Wildomar’s climate can be described as: Winter is almost never extreme, low temperatures rarely go below freezing. In the summer, the high temperatures hover in the 90’s, but some days may go over 100 during heat waves. Rainfall for City of Wildomar is typical of that of the rest of Riverside County.

### 1.3 BRIEF HISTORY

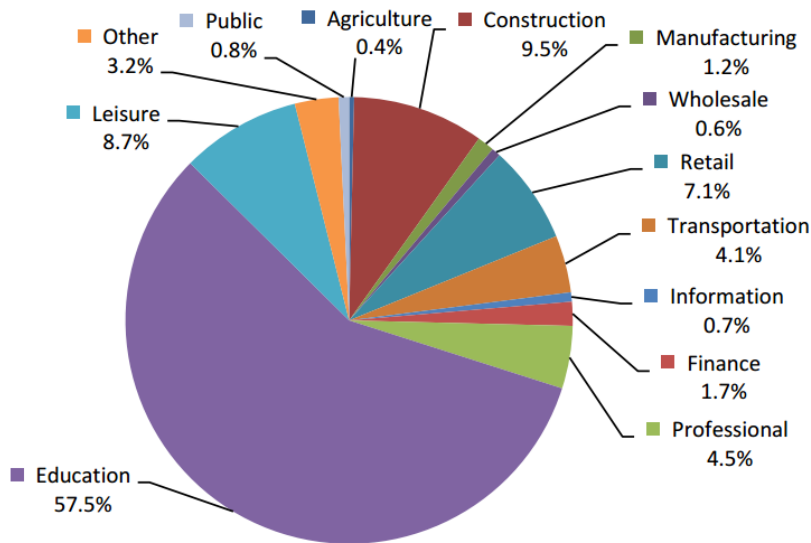
Wildomar is a community of old and new, more mature homes and acreages with horses and other animals mixed with more modern housing tracts. Nestled between the cities of Murrieta, Menifee, and Lake Elsinore, Wildomar officially became a city on July 1, 2008, at that time home to approximately 28,000 residents.

The name Wildomar was coined from the names of its three founders -- the WIL from William Collier, the DO from Donald Graham and the MAR from Margaret Collier Graham.

### 1.4 ECONOMY DESCRIPTION

City of Wildomar is primarily a bedroom community. Development in the City is 79 percent residential, 21 percent commercial/industrial, which limits the sales and property tax base. The largest employer is education sector, which accounts for over 57% of the jobs in the community. In addition, as depicted in Figure 2, construction, leisure, and retail sectors combined with education make up over 86% of the jobs in the community.

**Jobs by Sector: 2015**



- In 2015, the Education sector was the largest job sector, accounting for 57.5 percent of total jobs in the city.
- Other large sectors included Construction (9.5 percent), Leisure (8.7 percent), and Retail (7.1 percent).

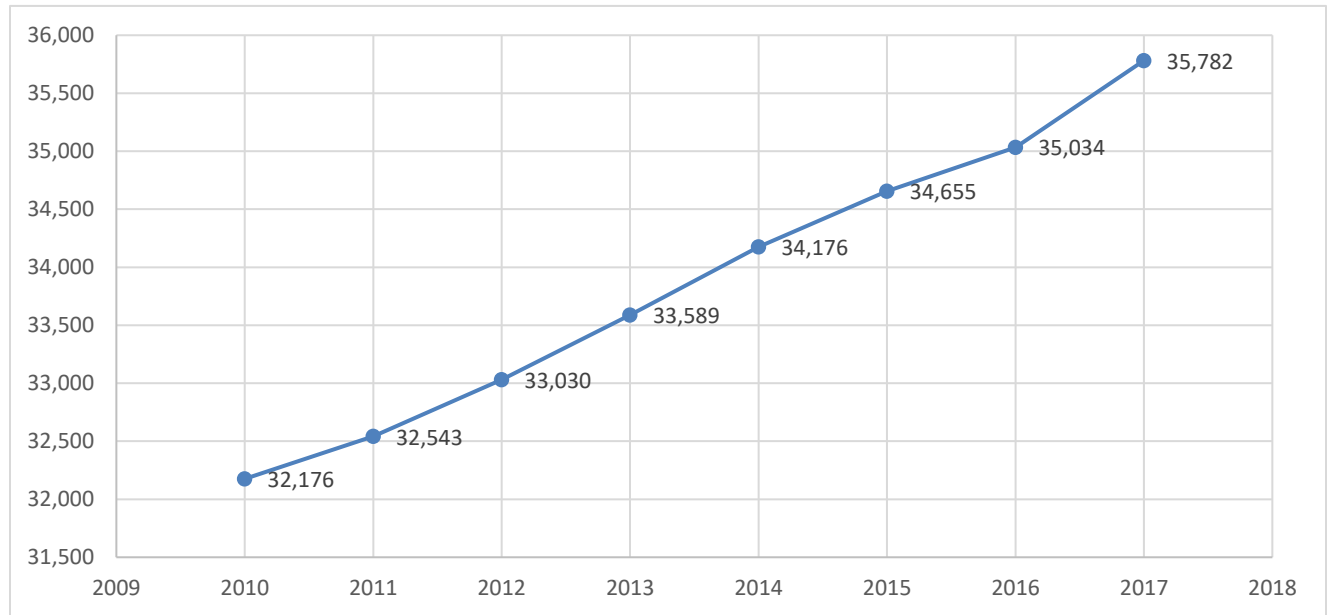
Sources: California Employment Development Department, 2016; InfoGroup; and SCAG.

Figure 2 - Jobs By Sector – City of Wildomar



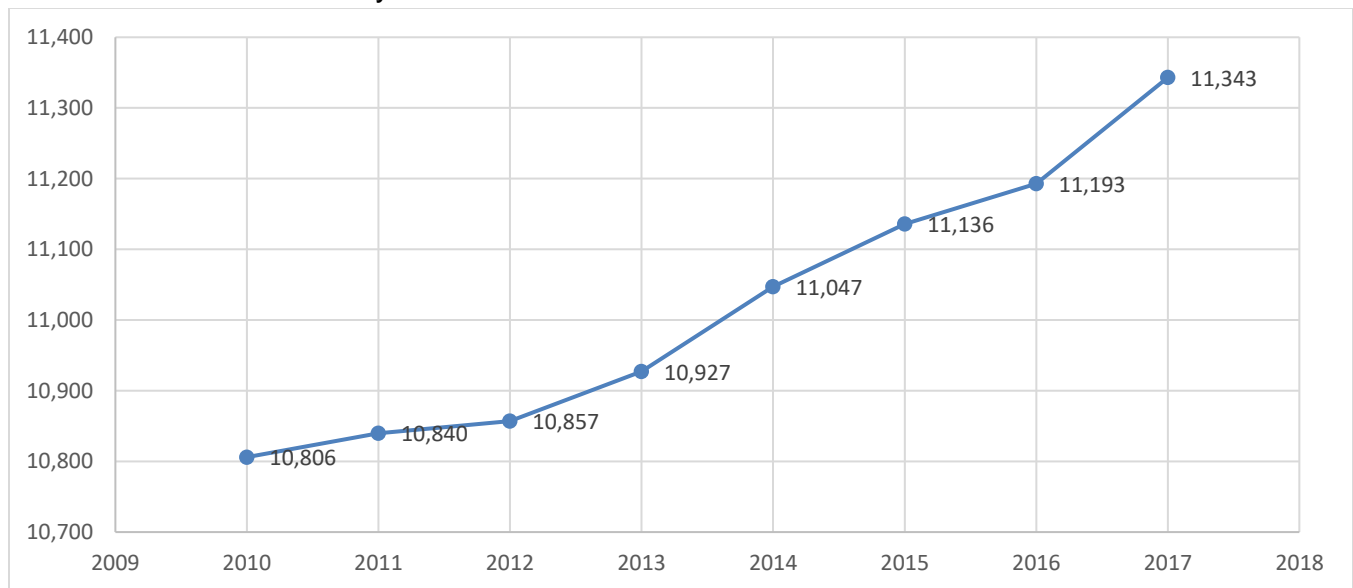
## 1.5 POPULATION AND HOUSING

According to the California Department of Finance, the population of the City of Wildomar in 2017 was 35,782, which increased from the 2016 population of 35,034 (2.14 percent increase). Since 2010 population growth within the City has ranged between 1% and 2% year over year, and is expected to continue to grow at a similar pace (Figure 3).



**Figure 3 - Total Population - City of Wildomar**

During the same period total households grew at a similar pace, with a total of 11,343 households in the City in 2017 (Figure 4). Based on these two estimates, the persons per household ratio for the City is 3.15.



**Figure 4 - Total Households - City of Wildomar**

Table 1 provides demographic information according to the 2015 American Community Survey

**Table 1 - Age and Gender Demographics**

<b>Subject</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>
	<b>Estimate</b>	<b>Estimate</b>	<b>Estimate</b>
Total population	34,220	17,565	16,655
<b>AGE</b>			
Under 5 years	6.60%	5.70%	7.60%
5 to 9 years	7.00%	8.00%	6.00%
10 to 14 years	6.70%	6.80%	6.70%
15 to 19 years	9.10%	9.80%	8.40%
20 to 24 years	7.80%	9.30%	6.20%
25 to 29 years	7.30%	6.10%	8.50%
30 to 34 years	6.70%	7.50%	5.90%
35 to 39 years	5.60%	6.00%	5.10%
40 to 44 years	6.70%	6.50%	6.90%
45 to 49 years	5.90%	5.80%	6.10%
50 to 54 years	7.10%	6.40%	8.00%
55 to 59 years	6.80%	6.70%	6.90%
60 to 64 years	6.10%	6.60%	5.60%
65 to 69 years	3.20%	2.90%	3.40%
70 to 74 years	2.60%	2.60%	2.60%
75 to 79 years	1.50%	1.10%	2.00%
80 to 84 years	1.70%	1.50%	2.00%
85 years and over	1.60%	1.00%	2.20%

Table 2 provide demographic information regarding ethnicity according to the 2015 American Community Survey.

**Table 2 - Race and Ethnicity of Wildomar**

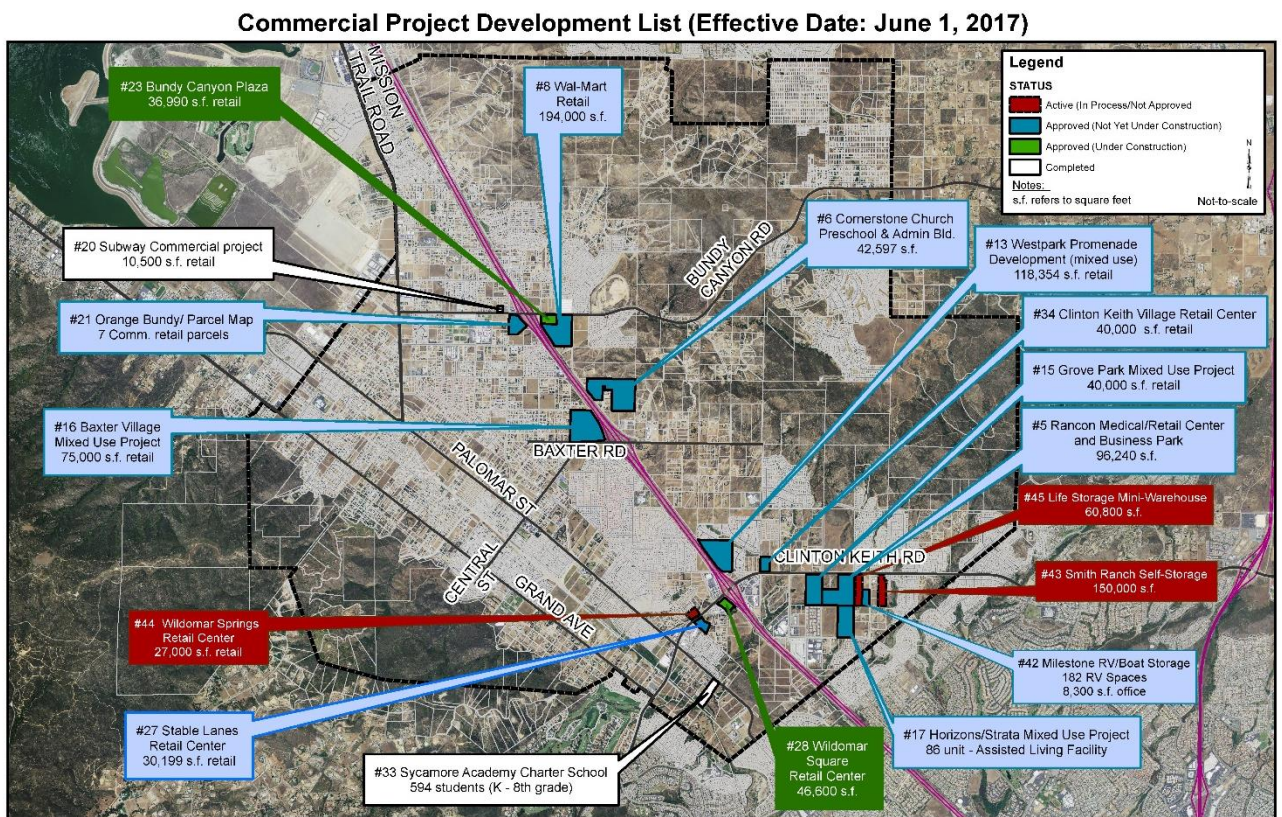
<b>Total population</b>	34,220	
White	25,111	73.40%
Black or African American	1,924	5.60%
American Indian and Alaska Native	691	2.00%
Asian	1,937	5.70%
Native Hawaiian and Other Pacific Islander	375	1.10%
Some other race	5,455	15.90%
<i>Hispanic or Latino (of any race)<sup>1</sup></i>	<i>13,677</i>	<i>40.00%</i>

<sup>1</sup> Approximately 13,677 residents of Wildomar identify as Hispanic or Latino decent, which is also captured in the categories of race identified in Table 2.

Current homeownership figures for the City are based on the 2015 American Community Survey. Based on this recent survey approximately 69.8% of households in Wildomar own their homes, while the remaining 30.2% rent. Since 2000, the homeownership trend has decreased.

## 1.6 DEVELOPMENT TRENDS AND LAND USE

With increasing populations come an increase of residential and commercial projects. As of June 2017, the City is going through the entitlement process for both commercial and residential developments that will increase the residential and non-residential development activity in the City. From January 2014 to December 2016, the City Council approved 16 residential projects. Construction of these projects would result in an additional 1,496 new homes in the City. In addition, non-residential development in the various stages of the entitlement process within the City could result in nearly 1.3 million square feet of commercial and industrial uses throughout the City. Figures 6 and 7 depict the activities for both non-residential and residential developments within the City.



**Figure 5 - Wildomar Commercial Project Activity**



## Residential Project Development List (Effective Date: June 1, 2017)

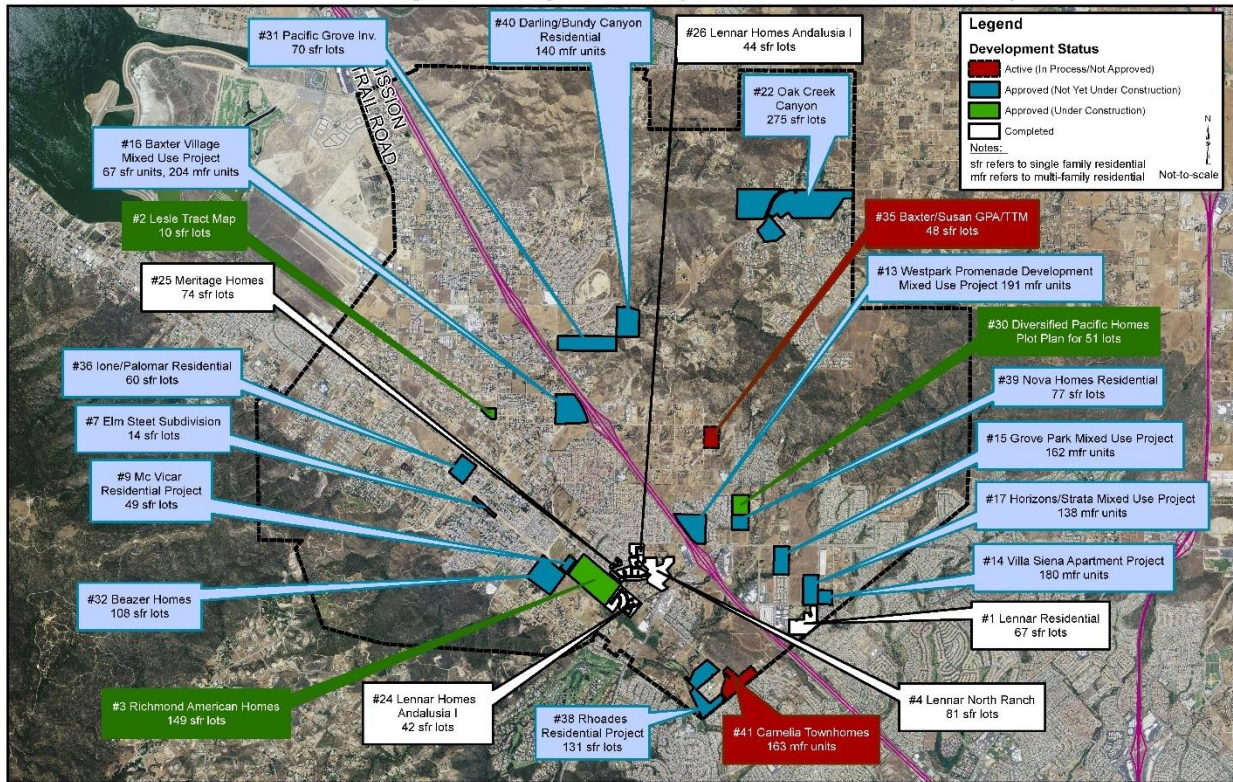


Figure 6 - Wildomar Residential Project Activity

## SECTION 2.0 - PLANNING PROCESS

### 2.1 LOCAL PLANNING PROCESS

Representatives from City of Wildomar departments met on a regular basis to discuss hazards of concern, identify potential vulnerabilities, and develop and prioritize appropriate mitigation strategies. Personnel involved in these meetings included the following senior management positions:

- City Manager
- Assistant City Manager
- Police Chief
- Fire Chief
- Community Services Director
- Planning Director,
- Planning City Clerk, and
- Public Works Director

Representatives from these departments were contacted via email leading up to each meeting. Meetings were conducted on June 6, 2017, where jurisdiction development trends and hazards of concern were discussed. The follow up meeting on Month XX, 2017, identified and prioritized mitigation strategies, and reviewed preliminary budgets and potential funding sources for these strategies. At each meeting, relevant information obtained during the

Operational Area Planning Committee meetings was also discussed to ensure the Team understood the larger process conducted by the County. Appendix X contains the sign in sheets for the Wildomar specific meetings conducted during this process.

## **2.2 PARTICIPATION IN REGIONAL (OA) PLANNING PROCESS**

The City of Wildomar participated in various Riverside County workshops, conferences, and meetings, including:

- Operational Area Planning Committee (OAPC) Meetings, Beaumont City Hall, Beaumont CA 9 a.m. – 11 a.m.
  - July 14, 2016
  - October 13, 2016
  - January 12, 2017
  - April 5, 2017
- City LHMP Workshops, EMD Riverwalk Building, Riverside CA 9 a.m. 10 a.m.
  - December 8, 2016
  - February 7, 2017
- EMD One-on-One Meeting, Wildomar CA 10a.m. – 12 p.m.
  - May 25, 2017

## **2.3 DATES AVAILABLE FOR PUBLIC COMMENT**

On Month XX, 2017, the Draft Wildomar LHMP was distributed for a 30 day public review and comment period. This document was made available on the City's website (<http://www.cityofwildomar.org/emergency-preparedness.asp>) as well as at the main desk in City Hall and the City's Library. During this review period X comments were received on the document. As a result, the following revisions to the document were made ...

## **2.4 PLANS ADOPTED BY RESOLUTION**

Upon receipt of the Approval Pending Adoption letter by FEMA, the LHMP will be presented to the Wildomar City Council in a public meeting for adoption. A placeholder for the resolution of adoption is provided at the beginning of this document.

# **SECTION 3.0 – MITIGATION ACTIONS/UPDATES**

## **3.1 UPDATES FROM 2012 PLAN**

The 2017 plan update focuses on reclassification of City Hazards from the prior ranking exercise, as well as the inclusion of Communication Failure and Cyber Attack (which were added by the Operational Area Planning Committee). In addition, the mitigation strategies identified in this plan take into consideration the progress made since the 2012 plan, as well as the changing conditions within the City, due to both

development activities as well as the changing nature of the hazards and vulnerabilities.

### 3.2 LIST OF COUNTY AND CITY HAZARDS

Table 3 - List of County and City Hazards

Hazard Type	County Hazards	Ranking	City Hazard Ranking
Natural	Earthquake	1	1
Biologic	Pandemic Flu	2	N/A
Natural	Wildland Fire	3	2
Technologic	Electrical Failure	4	N/A
Biologic	Emergent Disease/Contamination	5	N/A
Technologic	Cyber Attack	6	N/A
Man-Made	Terrorist Event	7	N/A
Technologic	Communications Failure	8	N/A
Natural	Flood	9	4
Man-Made	Civil Disorder	10	N/A
Natural	Drought	11	3
Man-Made	Nuclear/Radiological Incident	12	N/A
Natural	Extreme Weather	13	5
Man-Made	Transportation Failure	14	N/A
Natural	Dam Failure	15	7
Man-Made	Aqueduct	16	N/A
Natural	Tornado	17	Included in Extreme Weather
Biologic	Insect Infestation	18	N/A
Man-Made	Jail/Prison Event	19	N/A
Man-Made	Pipeline Disruption	20	N/A
Natural	Landslide	21	6
Man-Made	HazMat Incident	22	N/A
Man-Made	Water Supply Disruption/Contamination	23	N/A

### 3.3 NEW HAZARDS OR CHANGES FROM 2012

The City of Wildomar planning team has reviewed the updated hazards ranking from the County of Riverside and acknowledges that Communications Failure and Cyber Attack are hazards of concern for the County, as a whole. These hazards may affect the City if critical infrastructure is compromised as a result, however since they are not natural hazards, the City opted to not include them in our risk assessment.

### 3.4 BRIEF STATEMENT OF UNIQUE HAZARDS

The hazards in the City of Wildomar include the same as much of Riverside County, as depicted in Table 3. The primary hazards of concern for the City include earthquake, wildfires, drought, flooding (including dam inundation), extreme weather, and landslide.



The City of Wildomar has experienced many different disasters since incorporation (2008), including the following locally proclaimed emergencies involving floods, wildfires, and severe storms:

- January 2010: damages totaled more than \$317,000 from damage due to flooding, debris flow & silt build up, and unpaved road repairs.
- December 2010: damages totaled more than \$70,000 damage due to flooding, debris flow & silt build up, unpaved road repairs, and multiple downed trees.
- September 2014: isolated thunderstorms caused damage in the City, which included downed powerlines, flooded streets, and a lightning strike.
- January 2017: associated with a series of storms that impacted California, the City experienced flooding and other issues associated with heavy downpours in mid-January.

### 3.5 MITIGATION PROJECT UPDATES

Since 2012 the City has continued implementation of its Safe Routes to Schools program, which has constructed needed improvements (sidewalks, curbs, gutters, etc...) along roadways throughout the City. The City, in partnership with the Lake Elsinore Unified School District has constructed Sidewalks to Schools Improvements near Ronald Reagan Elementary School, David Brown Middle School, Wildomar Elementary School, and William Collier Elementary School. The project is funded by the Safe Routes to School and the Bicycle and Pedestrian Facilities Program.

## HAZARD IDENTIFICATION AND RISK ASSESSMENT

### 4.1 CRITICAL FACILITIES AND INFRASTRUCTURES

Table 4 identifies the critical facilities and other community assets identified by the Wildomar Planning Team as important to protect in the event of a disaster.

**Table 4 - Wildomar Critical Facilities**

<b>Critical Facilities Type</b>	<b>Number</b>
Airports	-
Communications Centers	-
Detention Centers	-
Emergency Command Centers (City Hall)	1
Fire Department	1
Health Care Facilities	1
Law Enforcement Facilities	-
Maintenance Yards	-
Residential Elderly Facilities	1

Schools and Day Care Facilities	10
Public Utilities—Water/Sewer	1
<b>Totals</b>	<b>15</b>

## 4.2 ESTIMATING POTENTIAL LOSS

The City of Wildomar is vulnerable to multiple natural and man-made hazards. In a large scale event the City may experience damages to Interstate 15, which is a major corridor used as a life line to surrounding jurisdictions. If this occurs during an event, access to portions of the western Riverside county would be nearly inaccessible, greatly impacting mutual aid resources.

Please refer to Riverside County Operational Area MJHMP Section 4.5 for property loss values for the City of Wildomar. Table 5 below identifies available information regarding replacement costs.

## 4.3 TABLE REPLACEMENT VALUES

The following table shows specific critical facilities and other community assets identified by the City of Wildomar's Planning Team.

Figure 4.6.1 Critical Facilities and Other Community Assets -City of Wildomar

Table 5 - Critical Facilities Characteristics

Name of Asset	Replacement Value (\$)	Occupancy/ Capacity #	Hazard Specific Info.
1. City Hall	Leased-Unknown		Fire & Earthquake
2. Fire Department— Station 61	City Owned 1,900,000 Rebuild Current Footprint, 5,500,000 Replace and Modernize Facility	n/a	Fire & Earthquake
3. County Library	County Owned - Unknown		Fire & Earthquake
4. LEUSD (six schools) 4 Elementary 1 Middle School 1 High School	District Owned	4,015	Secured Campuses
5. Sycamore Academy	Private	300	Secured Campus
6. Baxter Charter School	Private	100	Non-secured Campus

7. Hilltop Day Care Center	Private	70	Secured Campus
8. Ann Sullivan Preschool	Private		Secured Campus
9. Bundy Canyon Christian School	Private		Secured Campus
Note: Replacement values have not been identified for buildings that are not owned by the City of Wildomar.			

#### 4.4 IDENTIFICATION OF RISKS AND VULNERABILITIES

Impacts of past events and vulnerability to specific hazards are further discussed in Section 5 of the County Multi-Jurisdictional Local Hazard Mitigation Plan. The City of Wildomar’s Hazards specific information and their impacts can be found in the pages below.

##### Risks –

##### 1. Earthquake – Severity - 4, Probability – 4, Ranking –1

Wildomar is located in a seismically active region of southern California. Prone to both strong seismic shaking and earthquake fault rupture, the City is vulnerable to seismic impacts. Wildomar has experienced several noticeable ground movement incidents over the past years, but no local damage was sustained.

Active faults located within/ in close proximity to the City or that can damage the City, include the following:

- **Elsinore Fault Zone:** This fault zone, which includes the Wildomar and Wolf Valley faults passes through the City on the west side of Interstate 15. The fault zone is capable of generating earthquakes ranging in magnitude between 6.5 and 7.5.
- **Wildomar Fault:** As depicted on Figure 7, this fault strand of the Elsinore fault zone runs northwest/southeast and is located in the City approximately 2,000-4,000 feet west of Interstate 15. The areas adjacent to the fault are within a “Special Studies Zone” as designated under the Alquist-Priolo Special Study Zone Act of 1972.
- **San Andreas Fault Zone:** This fault zone, located approximately 50 miles northeast of the study area, is the dominant active fault in California. The maximum credible earthquake from this fault zone is a magnitude 8.3
- **San Jacinto Fault Zone:** This fault zone is located approximately 30 miles northeast of the City and has a maximum credible earthquake magnitude of 7.5.

In addition to these active faults, two potentially active faults, the Agua Caliente Fault zone and the Murrieta Hot Springs Fault are also located near the City.

The planning team has not identified any unreinforced masonry buildings in the City. For additional discussion, see Riverside County OA MJHMP Section 5.3.3.



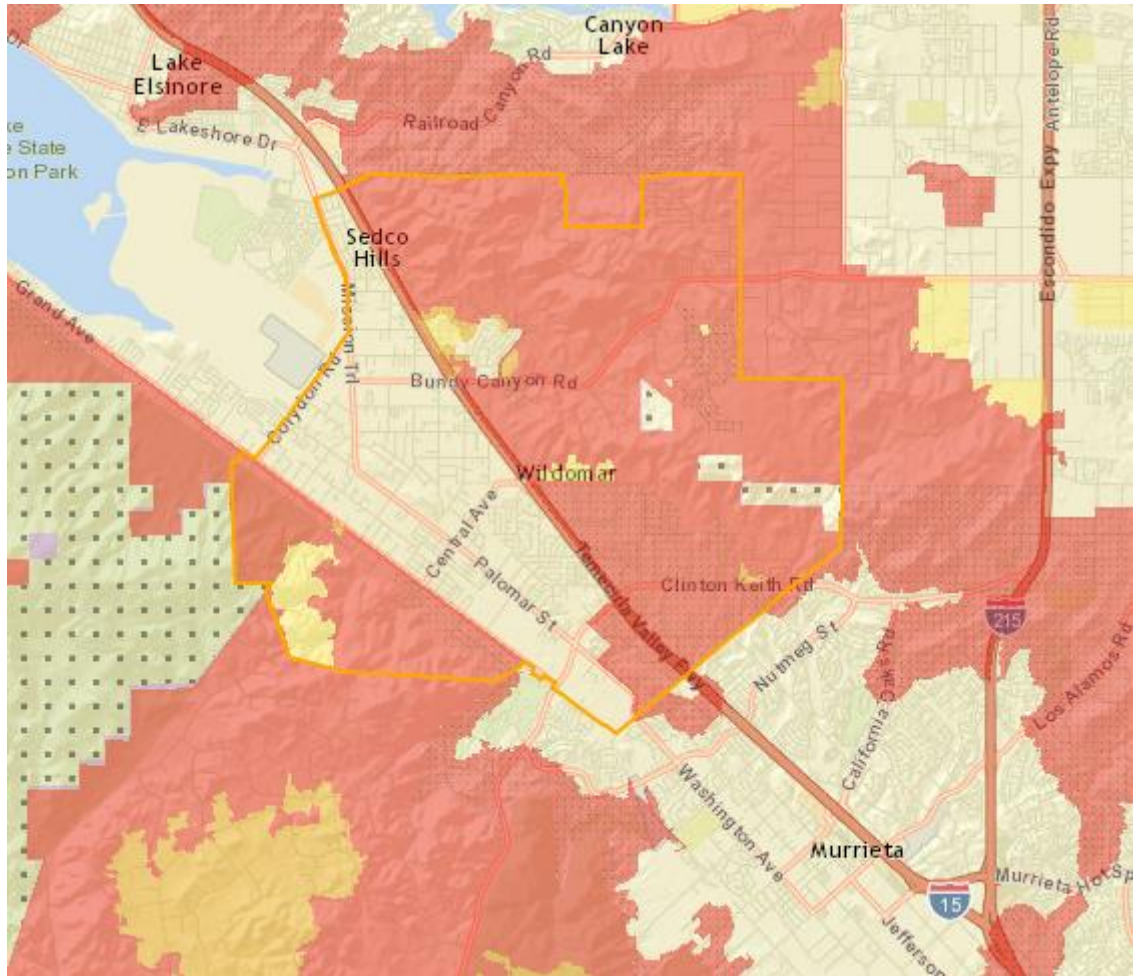
Figure 7 - Wildomar Faults

## 2. Wildland Fires – Severity -4 , Probability - 3, Ranking –2

Undeveloped hillside areas in and adjacent to the City can present a serious hazard due to the potential for large-scale wildland fires. The threat is particularly significant during dry summer months and when there are strong “Santa Ana” winds. Wildland fire protection is the primary responsibility of Riverside County Fire with assistance provided by the California Department of Forestry under an agreement for fire protection of wildlands. Significant portions of the City are located within Very High Fire and High Fire Hazards area, as designated by Cal FIRE. The presence of these potential hazards coupled with encroachment by development into the Wildland Urban Interface (WUI), indicates greater susceptibility to future wildfire hazards. Areas adjacent to the City that have wildfire hazards susceptibility are also of concern as these conditions could exacerbate vulnerabilities within the City. Figure 8, identifies



very high wildfire hazards severity zones (dark red) within the City. For additional discussion, see Riverside County OA MJHMP Section 5.3.2.



**Figure 8 - Wildomar Fire Zones**

3. Drought - Severity -3, Probability - 4, Ranking – 3

The City of Wildomar is served by the Elsinore Valley Municipal Water District (EVMWD). According to EVMWD's 2015 Urban Water Management Plan, City water supplies are comprised of 33% groundwater, 10% surface water, and 57% imported water from Metropolitan Water District. Based on these supplies the City is susceptible to drought conditions both locally as well as regionally depending on where imported water supplies are sourced. For additional discussion regarding drought hazards, see Riverside County OA MJHMP Section 5.3.5.

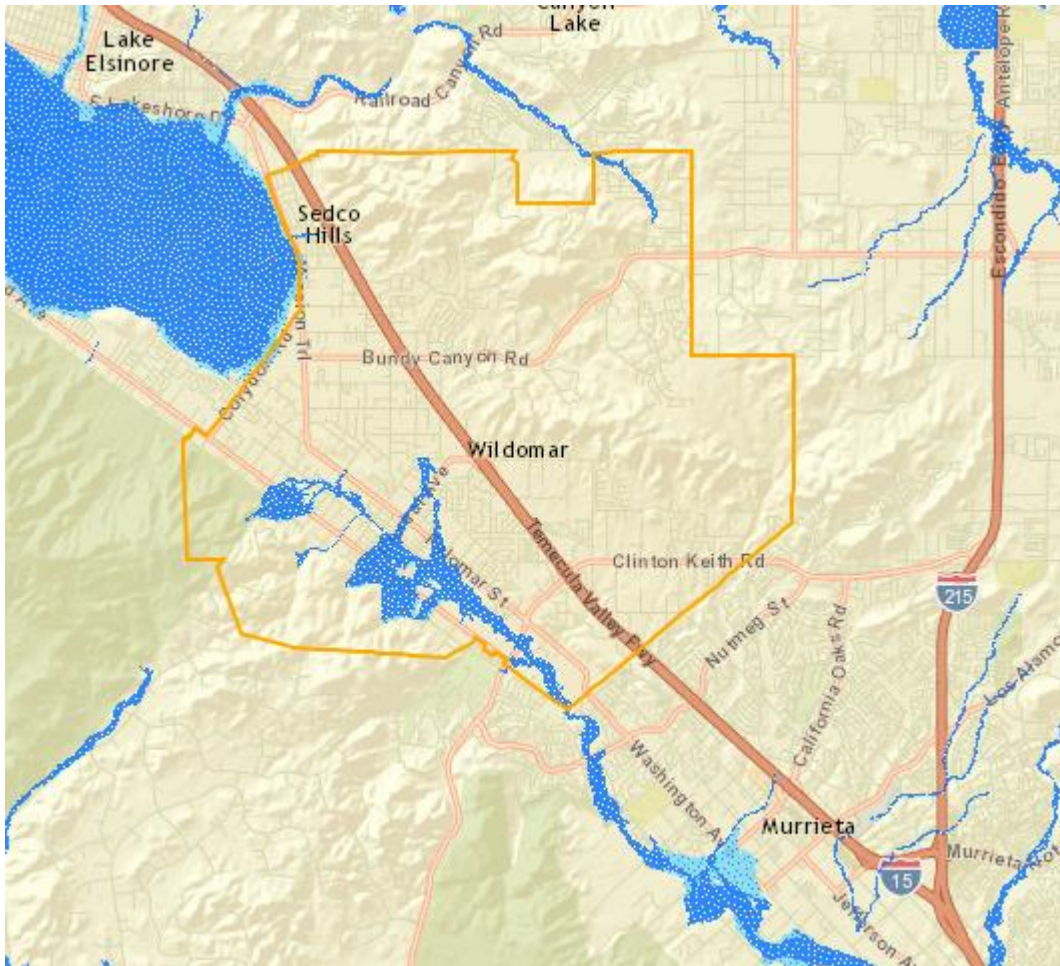
4. Flood - Severity -2 , Probability -3, Ranking –4

Heavy rain can lead to problems with storm drainage and create localized flood problems. The City of Wildomar is in the process of writing a Storm Drain Master Plan and relies on the County of Riverside's existing Master Plan. There are several flooding problem areas in the City. These areas are primarily a result of little or no drainage infrastructure, undersized pipes where runoff exceeds pipe capacity even for minor storms, obstructions, or damaged drain pipes.

The majority of the damaged lines are on the west side of the City, where there are limited storm drain pipes and some of the oldest infrastructure in the system.

The City has over 53 miles of dirt roads and rain and erosion have left many roads impassable each winter even for four-wheel drive vehicles. Lost Road and Cottonwood Canyon are the most impacted roads. Once the roads have dried out, gullies, ruts, rock-slides and wash-outs can render roads impassable, especially for low clearance vehicles until road maintenance can be scheduled. Over the years the City has placed road base materials to stabilize some of these roadways, however these efforts require continual maintenance and upkeep. Figure 9, depicts the FEMA 100-year flood hazard zones located within the City. For additional discussion regarding flooding, see Riverside County OA MJHMP Section 5.3.1.





**Figure 9 - Wildomar Flood Hazard Zones**

5. Extreme Weather - Severity -2 , Probability - 2, Ranking – 5

Extreme weather events may include excessively hot/cold days and/or nights, tornadoes, and other weather phenomena that can impact daily life. No tornadoes have touched down in the City limits and based on historic information, risk of tornadoes within the City is considered low. Regarding extreme heat/cold, the City utilizes the County of Riverside Health Department heat and cold advisories and centers. One center is located within the City and is opened when a Public Health “Heat/Cold Warning” is issued. Warnings are issues when temperatures are expected to reach 105 for at least 3 consecutive days and when the temperatures drop to 40 degrees or less for more than 3 consecutive days. For additional discussion regarding extreme weather, refer to the Riverside County OA MJHMP Sections 5.3.4 and 5.3.8.

6. Landslides - Severity 1 , Probability 1 , Ranking – 6

Landslides are events associated with mass movement of earth materials. These events can occur in association with earthquakes or on their own. Landslides typically

involve areas with steep topography, and/or earth materials that are prone to erosion/failure that result in landslides. Hillside areas of the City are considered steep and have the potential for landslides. However, development in these areas requires studies and analysis by qualified geologists and engineers, and where necessary remediation of landslide deposits to ensure impacts do not occur. Current mapping prepared by the California Geologic Survey does not indicate the presence of active or historic landslides within the City.

#### 7. Dam Failure – Severity 1 , Probability 1 , Ranking – 7

According to dam inundation mapping provided by the California Office of Emergency Services Department the areas generally covered by FEMA 100 year flood plains (Figure 9) are also areas wher dam inundation impacts can occur. Given the likelihood of dam failure, inundation of the City is considered unlikely and would only be isolated to areas prone to flooding already. For additional discussion, refer to Riverside County OA MJHMP Section 5.4.1.

#### 8. Biologic Hazards

While not prioritized by the City, biologic hazards include pandemic flu, emergent disease/contamination, and insect infestation. While there is a potential for these hazards to occur in the City, the risk is similar to other parts of the County. In addition, the City actively coordinates with County Departments/Agencies that oversee response plan activities and coordination for these hazards and routinely participates in the necessary meetings and trainings to effectively respond to these issues.

#### 9. Technologic Hazards

While not prioritized by the City, technological hazards include electrical failure, cyber attack, and communications failure. These hazards can impact City operation and function, however response activities to these types of incidents rely on close coordination with applicable County Departments, state and federal agencies, and service providers. The City actively coordinates with these entities during times of incidents when necessary and continues to build relationships outside of these times to ensure more effective responses in the future.

#### 10. Man-Made Hazards

Man-made hazards include terrorist events, civil disorder, nuclear/radiological incidents, transportation failure, aqueduct damage/failure, jail/prison events, pipeline disruptions, hazmat incidents, and water supply disruption/contamination. Events such as these typically involve response activities from first responder communities

and specialized units (hazardous materials, etc...). The City regularly coordinates with these entities to ensure effective preparedness and response protocols are in place, in case of a future event. The most common event of concern would be a hazmat incident, which is further described below:

#### Hazardous Materials

As with most cities, Wildomar has a number of businesses that use hazardous materials or generate hazardous waste. There are also a number of sites in the City which have contamination associated with underground tanks used to store petroleum products. Monitoring of these sites is the primary responsibility of the California Department of Health Services and the Regional Water Quality Control Board. Hazardous materials incidents in the City are responded to by Riverside Fire County-Hazmat with specialized assistance from the Riverside County Health Services Agency.

Along with the potential for death and injuries from large-scale motor vehicle accidents, there is the potential for hazardous material spills or fires as numerous commercial transportation vehicles travel the 15 freeway with various types and quantities of hazardous materials.

## SECTION 5.0 – COMMUNITY RATING SYSTEM

### 5.1 REPETITIVE LOSS PROPERTIES

There are no known repetitive loss properties located within the City.

### 5.2 NATIONAL FLOOD INSURANCE PROPERTIES

The City participates in the National Flood Insurance Program (NFIP). The City joined the program on November 10, 2010 with Resolution 2010-53.

- a. ***Describe participation in NFIP, including any changes since previously approved plan.*** There have been no changes in the NFIP since the City joined in November 2010.
- b. ***Date first joined NFIP.*** November 10, 2010
- c. ***Identify actions related to continued compliance with NFIP.***  
The City of Wildomar is currently in compliance with the NFIP and conducts outreach to educate residents on the potential flood hazards and actively promotes the flood insurance program for residents whose properties are in or near the flood hazard zone.
- d. ***CRS member?*** No
- e. ***CRS class?*** N/A

- f. **Describe any data used to regulate flood hazard area other than FEMA maps.** N/A
- g. **Have there been issues with community participation in the program?** No
- h. **What are the general hurdles for effective implementation of the NFIP?**  
None

i. **Summarize actions related to continued compliance with NFIP**

The City of Wildomar is currently in compliance with the NFIP and conducts outreach to educate residents on the potential flood hazards and actively promotes the flood insurance program for residents whose properties are in or near the flood hazard zone.

ii. **Repetitive Loss Properties**

There have been no historical claims for flood losses and thus there were no repetitive or severe repetitive loss structures identified in the City.

## SECTION 6.0 - CAPABILITIES ASSESSMENT

### 6.1 REGULATORY MITIGATION CAPABILITIES

Table 6 provides a summary of the regulatory tools used by the City of Wildomar to further hazard mitigation goals of this plan.

**Table 6 - Regulatory Mitigation Capabilities – City of Wildomar**

<b>Regulatory Tool</b>	<b>Yes/No</b>	<b>Comments</b>
General plan	Yes	Adopted all County Ordinances on July 1, 2008
Zoning ordinance	Yes	Adopted all County Ordinances on July 1, 2008
Subdivision ordinance	Yes	Adopted all County Ordinances on July 1, 2008
Site plan review requirements	Yes	Adopted all County Ordinances on July 1, 2008
Growth management ordinance	Yes	Adopted all County Ordinances on July 1, 2008
Floodplain ordinance	Yes	Adopted all County Ordinances on July 1, 2008
Other special purpose ordinance (stormwater, water conservation, wildfire)	Yes	Adopted all County Ordinances on July 1, 2008

Building code	Yes	Effective January 1, 2017, the 2016 California Building Codes and Standards apply to all new projects.
Fire department ISO rating	Yes	Rating: 4
Erosion or sediment control program		Adopted all County Ordinances on July 1, 2008
Stormwater management program	Yes	City of Wildomar Storm Drain Master Plan, 2005
Capital improvements plan	No	
Economic development plan	In Progress	Economic Development Committee is actively working on a plan
Local emergency operations plan	Yes	Emergency Operations Plan adopted in 2009
Flood Insurance Study or other engineering study for streams	No	

The City of Wildomar adopted the Riverside County General Plan at the time of Incorporation July 1, 2008. There have been seven amendments to the City’s General Plan since 2008, which are reflected in the current land use map. However, no amendments to the Safety Element have occurred since incorporation. Applicable goals from the Safety Element include the following:

**Goal 1: Public Safety Hazards**

Goals for public safety seek to reduce loss of life or property due to crime, fire, earthquake, or other disasters or hazards, provide adequate medical and emergency services to reduce the effects of natural or manmade disasters, promote citizen awareness and preparedness for emergency/disaster situations or potential for the incidence of crime, and implement adequate interagency disaster planning.

The City will continue to maintain and update emergency service plans, including plans for managing emergency operations, the handling of hazardous materials, and the rapid cleanup of hazardous materials spills. The City currently contracts with the County of Riverside and Cal Fire and participates with all entities under their mutual aid agreements.

The general plan’s Hazard Management Element incorporates the Safety Element of the County General Plan by reference “to the extent that these original elements apply to the City of Wildomar Planning area.”

## 6.2 ADMINISTRATIVE/TECHNICAL MITIGATION CAPABILITIES

Table 7 identifies the personnel responsible for activities related to mitigation and loss prevention in the City of Wildomar.

**Table 7 - Administrative and Technical Mitigation Capabilities - City of Wildomar**

<b>Personnel Resources</b>	<b>Yes/No</b>	<b>Department/Position</b>
Planner/engineer with knowledge of land development/land management practices	Yes	Building Department/ Inspectors
Engineer/professional trained in construction practices related to buildings and/or infrastructure	Yes	Building Department/ Inspectors
Engineer with an understanding of natural hazards	Yes	Building Department/ Inspectors
Personnel skilled in GIS	Yes	Planning Department/ Planners
Full time building official	Yes	Building Department/ Inspectors
Floodplain manager	Yes	Public Works/City Engineer
Emergency manager	Yes	Public Works/Superintendent
Grant writer	Yes	??
GIS Data—Land use	Yes	Planning Department/ Planners
GIS Data—Links to Assessor's data	Yes	Planning Department/ Planners
Warning systems/services (Reverse 9-11, outdoor warning signals)	Yes	Public Works/Superintendent

## 6.3 FISCAL MITIGATION CAPABILITIES

Table 8 identifies financial tools or resources that the City could potentially use to help fund mitigation activities.

**Table 8- Fiscal Mitigation Capabilities – City of Wildomar**

<b>Financial Resources</b>	<b>Accessible/Eligible to Use (Yes/No)</b>	<b>Comments</b>
Community Development Block Grants	Yes	Pending Federal Funding



Capital improvements project funding	Yes	
Authority to levy taxes for specific purposes	Yes	With voter approval
Fees for water, sewer, gas, or electric services	No	
Impact fees for new development	Yes	
Incur debt through general obligation bonds	Yes	With voter approval
Incur debt through special tax bonds	Yes	With voter approval
Incur debt through private activities	No	
Withhold spending in hazard prone areas	n/a	
Other	n/a	

#### **6.4 MITIGATION OUTREACH AND PARTNERSHIPS**

The City of Wildomar has an existing water responsible program and annual fire safety programs in schools and throughout the year at special community events. A CERT program is currently in place. The Community Emergency Response Team (CERT) program helps train individuals to be better prepared to respond to emergency situations in their neighborhood. When emergencies happen, Wildomar CERT trained members can give critical support to local public safety agencies, provide immediate assistance to victims and organize volunteers at a disaster site.

The City has implemented mitigation efforts in the past. Examples that were not covered elsewhere in this section include the following:

The City has designated cooling/heating centers sites if needed during an inclement weather emergency. The cooling/heating center is located at 32700 Mission Trail, Wildomar, 92530.

#### **6.5 FUNDING OPPORTUNITIES**

The City of Wildomar has the same funding opportunities as Riverside County Operational Area. Please refer to Section 7.4 and Table 7.4 of the Riverside County Multi-Jurisdictional Hazard Mitigation Plan for a list of funding sources available.

## SECTION 7.0 - MITIGATION STRATEGIES

### 7.1 GOALS AND OBJECTIVES

The City of Wildomar's mitigation goals and objectives are the following:

Goal 1: Provide Protection for People's Lives from All Hazards

Objective 1.1: Provide timely notification and direction to the public of imminent and potential hazards.

Objective 1.2: Protect public health and safety by preparing for, responding to, and recovering from the effects of natural or technological disasters.

Objective 1.3: Improve community transportation corridors to allow for better evacuation routes for public and better access for emergency responders.

Goal 2: Improve Community and Agency Awareness about Hazards and Associated Vulnerabilities that Threaten our Communities

Objective: 2.1: Increase public awareness about the nature and extent of hazards they are exposed to, where they occur, what is vulnerable, and recommended responses to identified hazards (i.e. both preparedness and response).

2.1.1: Create/continue an outreach program, provide educational resources, and develop and provide training.

Goal 3: Improve the Community's Capability to Mitigate Hazards and Reduce Exposure to Hazard Related Losses

Objective 3.1: Reduce damage to property from an earthquake event.

3.1.1: Adopt/maintain building codes to meet required earthquake standards.

Objective 3.2: Reduce flood and storm related losses.

3.2.1: Provide for better collection of data related to severe weather events.

3.2.2: Reduce localized flooding within the City's storm drain systems.

3.2.2.1: Implement better drainage to accommodate heavy rains that cause flooding.

Objective 3.3: Minimize the impact to the City due to reoccurring drought conditions that impact both ground water supply and agricultural industry.

3.3.1: Provide conservation information from Elsinore Valley Municipal Water District to the residents to promote better water management.

Objective 3.4: Minimize the impact to vulnerable populations within the community that may be affected by severe weather-related events, such as long duration heat waves and winter storms.

3.4.1: Promote community response plans, such as cooling centers, during heat waves.

3.4.2: Promote community response plans during winter storms to assist the vulnerable population.

Goal 4: Provide Protection for Critical Facilities, Utilities, and Services from Hazard Impacts.

Goal 5: Maintain Coordination of Disaster Planning.

Objective 5.1: Coordinate with changing DHS/FEMA needs.

- 5.1.1: National Incident Management System (NIMS)
- 5.1.2: Disaster Mitigation Act (DMA) planning
- 5.1.3: Emergency Operations plans
- Objective 5.2: Coordinate with community plans.
  - 5.2.1: General plans
  - 5.2.2: Drought plans
  - 5.2.3: Drainage plans
  - 5.2.4: Intergovernmental agency disaster planning.
- Objective 5.3: Maximize the use of shared resources between City of Wildomar and special districts for mitigation/communication.
  - 5.3.1: Develop Mutual/Automatic Aid agreements with adjacent Cities and agencies.
- Objective 5.4: Standardize systems among agencies to provide for better interoperability.
  - 5.4.1: Standardize communication technology and language.

Goal 6: Maintain/Provide for FEMA Eligibility and Work to Position City Departments and Community Partners for Grant Funding.

## 7.2 MITIGATION ACTIONS

Wildomar coordinated with multiple cities and agencies throughout Riverside County in the creation/update of our LHMP Annex. The cooperation and discussions both in regional meetings, community outreach and internal meetings allowed for both “big picture” and “local jurisdiction” views of mitigation needs and possibilities.

In Appendix B, an Agency Inventory Worksheet process enabled our City to recognize hazards and their severity and also assisted in determining what mitigation actions are appropriate to lessen or prevent the hazard on a long term basis.

**Table 9 - 2017 Mitigation Actions**

Type of Hazard	Mitigation Action	Lead Department/Jurisdictions	Status
Flood	Wildomar MDP Lateral C Basin Project No. 7-8-00075 Detention basin located upstream of I-15. Right of way secured in FY 2015-2016.	Riverside County Flood Control & Water Conservation District	Pending – Right of way secured
Flood	Wildomar MDP Lateral C-1 (Billie Ann Road Storm Drain) Stage 1 Project 7-8-00076 Construct 66" RCP in Charles Street from 500' northerly of Refa Street and 84" RCP from 500' southerly of Refa Street,	City of Wildomar/Riverside County Flood Control & Water Conservation District	Pending

	traveling downstream in Refa Street to the existing RCB at Palomar Avenue		
Flood	Lateral C-1 Storm Drain Improvement, Construct approximately 2,000 lineal feet of storm drain system within Refa Street from Palomar Street to Charles Street, then extending southeasterly within Charles Street before terminating at Woshka Lane and approximately 500 lineal feet of storm drain lateral to be constructed within Charles Street from Refa Street to Billie Ann Road.	City of Wildomar	Pending
All Hazard	Incorporation of the LHMP into the City of Wildomar General Plan	City of Wildomar	Pending

### 7.3 ON-GOING MITIGATION STRATEGY PROGRAMS

The planning team for the City of Wildomar acknowledges there are areas that need mitigation actions based on the risk assessment. Unfortunately with the current economic conditions of the City any specified project discussed will have to wait until there is major improvement in the economy or grant funds become available.

The City of Wildomar has many on-going mitigation programs that help create a more disaster-resistant region. The following list highlights those programs identified as Existing Programs in the mitigation strategy spreadsheet. Others are on-going programs that are currently underfunded. It is the City of Wildomar’s priority to find additional funding to sustain these on-going programs over time.

- Vulnerability assessments of City facilities and infrastructure
- Creating a Citizens Corp
- Vegetation removal of flood channels

### 7.4 FUTURE MITIGATION STRATEGIES

The City of Wildomar planning team will prioritize specific mitigation tasks for the next 5 years. This list will include an implementation process, funding strategy, responsible agency, and approximate time frame.

**Fire:**

Require on-going brush clearance and establish low fuel landscaping policies to reduce combustible vegetation along the urban/wildland interface boundary.

Create fuel modification zones around development within high hazard areas by thinning or clearing combustible vegetation within 100 feet of buildings and structures. The fuel modification zone size may be altered with the addition of fuel resistant building techniques. The fuel modification zone may be replanted with fire-resistant material for aesthetics and erosion control.

Encourage programs that educate citizens about the threat of human wildfire origination from residential practices such as outdoor barbeques and from highway use such as cigarette littering.

Provide public safety education programs through the Community Services Department to reduce accidents, injuries, and fires as well as to train members of the public to respond to emergencies.

Implementation Program: The City shall condition project to comply with Riverside County Fire Department requirements, and work with the California Department of Forestry as well. Continue to grow the local CERT Program.

**Flood:**

Continue to ensure that new construction in floodways and floodplains conforms to all applicable provisions of the National Flood Insurance Program in order to protect buildings and property from flooding.

Utilize the Capital Improvement Program for storm drainage projects and maintenance and improvement of local storm drain systems including channels, pipes, and inlets to ensure the capacity for maximum runoff flows.

Implementation Program through the project review and the CEQA processes the City shall assess new development and reuse applications for potential flood hazards, and shall require compliance with FEMA Special Flood Hazard Areas where appropriate.

**Seismic:**

The City recognizes the importance of addressing secondary seismic hazards, and has delineated areas of known and suspected liquefaction hazard. In general, liquefaction susceptibility ranges from very low in the former lake footprint to moderate on much of the remainder of the valley floor and very high in the valley floor corridor formerly occupied by the axial riverine drainage.

## SECTION 8.0 - PLAN IMPLEMENTATION AND MAINTENANCE PROCESS

The City of Wildomar will be monitored by a committee, including the Assistant City Manager, Office of Emergency Manager, and Public Works Director. A review will take place at the end of each Fiscal year where the committee will then review any changes necessary.

All updates will be presented in the form of a council report to the city of Murrieta for approval.

Our city/agency will monitor and evaluate our LHMP on an annual basis. Over the next 5 years, we will review the LHMP. We will assess, among other things, whether:

- The goals and objectives address current and expected conditions.
- The nature, magnitude, and/or type of risks have changed.
- The current resources are appropriate for implementing the plan.
- There are implementation problems, such as technical, political, legal, or coordination issues with other agencies.
- The outcomes have occurred as expected (a demonstration of progress).
- The agencies and other partners participated as originally proposed.

## SECTION 9.0 - INCORPORATION INTO EXISTING PLANNING MECHANISMS

The City of Wildomar has incorporated the following Ordinances and Codes into the Hazard Mitigation Plan:

### **Title 8 – Health and Safety Codes**

Chapter 8.48 – Hazardous Vegetation

Chapter 8.52 Hazardous Waste Control

Chapter 8.112 Underground Tank Systems containing Hazardous Substances

### **Title 15 – Building and Construction**

Chapter 15.36 Housing Code

Chapter 15.56 Relocation of Buildings and Structures

Chapter 15.76 Earthquake Fault Area Construction Regulations

Chapter 15.96 Flood Hazard Area Regulations



Chapter 15.100 Post-Disaster Safety Assessment

Chapter 15.104 Abandoned and Distressed Residential Properties Regulations

**Title 16 – Subdivisions**

Chapter 16.32 – Flood Control and Drainage

**Title 17 – Zoning Codes**

Chapter 17.04 City Land Use

Ordinance 129 – Adopted the 2016 Building Code and amended the following Chapters of the City’s Municipal Code: Chapter 8.28 – Fire Code

Chapter 15.12 – Building Code

In addition, the City’s Capital Improvements Program is intended to integrate the mitigation strategies and actions from this plan, and be updated as implementation of these actions occurs.

## SECTION 10.0 - CONTINUED PUBLIC INVOLVEMENT

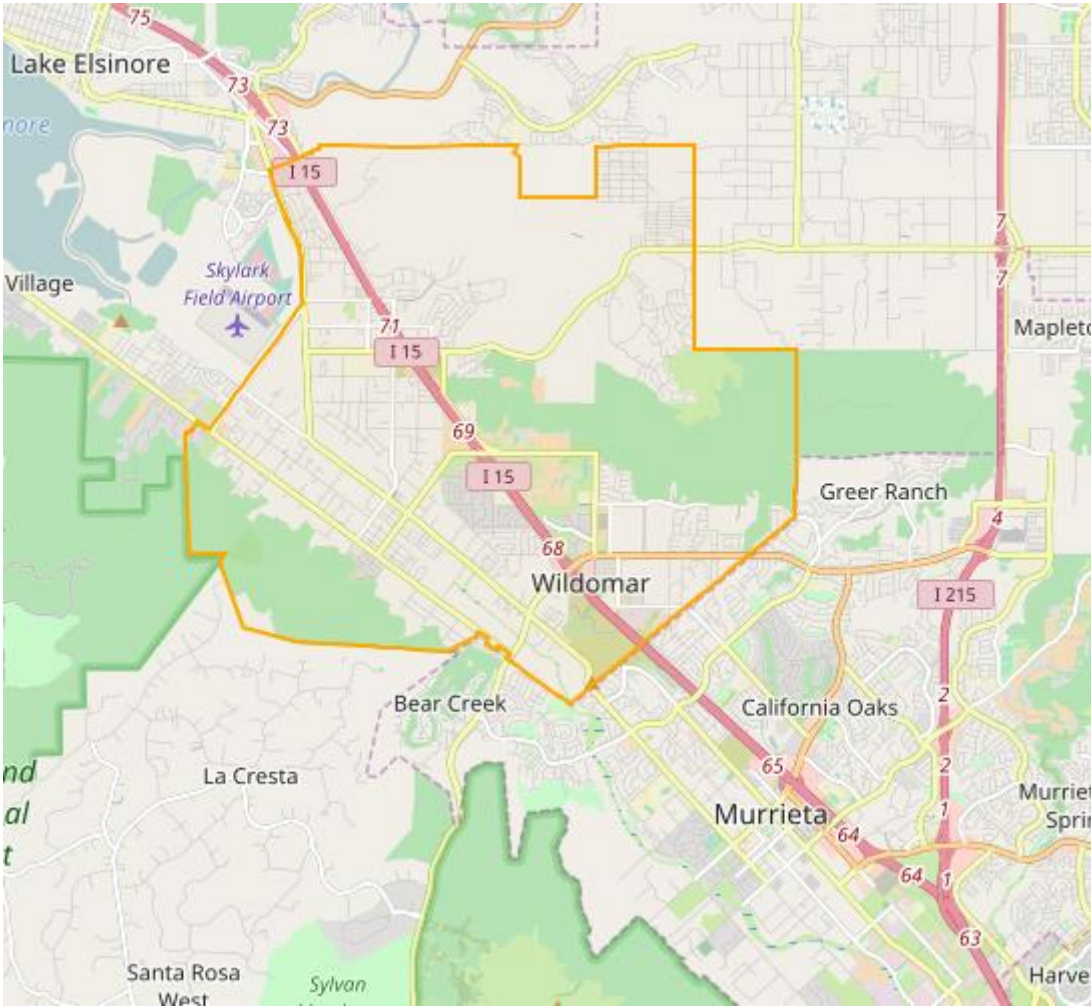
After the Scheduled Plan Maintenance Process, we will notify the public of any changes/no change in the LHMP at the monthly Community Emergency Preparedness meeting following the review. Monthly meetings are posted on the City website and by email to those interested in emergency preparedness.

In addition, the City will announce the annual review of the plan via announcements at City Council Meetings, Service Group Training, planning meetings and at quarterly Operational Area Planning Committee Meetings.

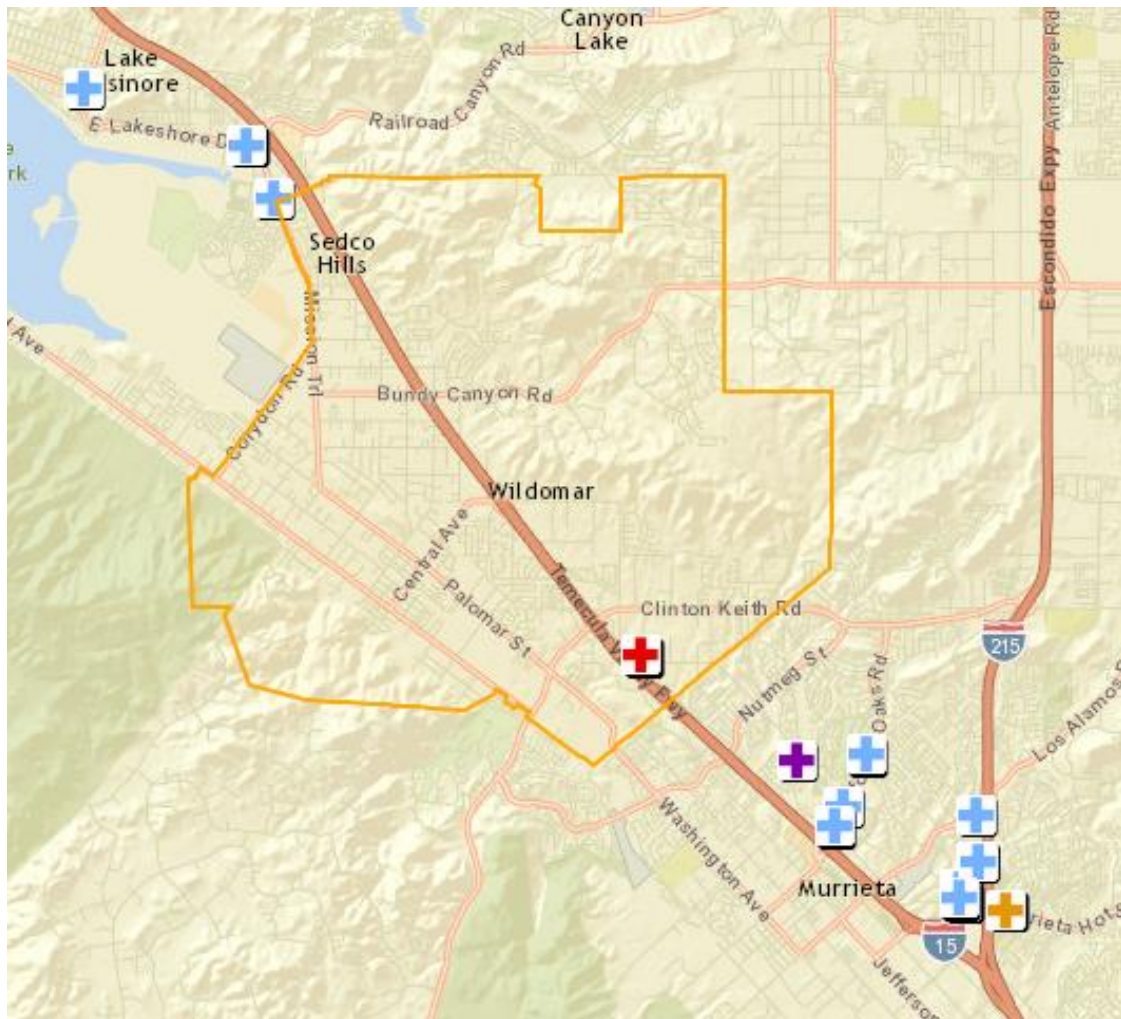
# APPENDIX A – PUBLIC NOTICES AND MAPS

## SEE ATTACHMENTS





Airport

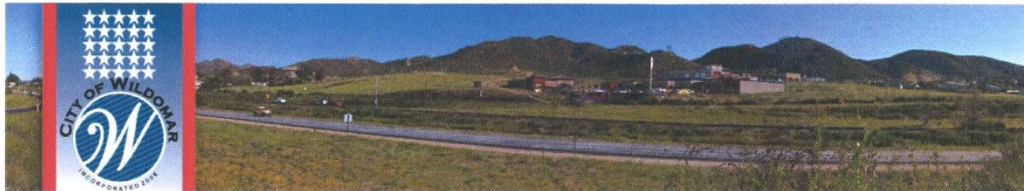


## Healthcare Facilities



### Licensed Healthcare Facilities

- Clinic 
- Home Health Agency/Hospice 
- Hospital 
- Long Term Care Facility 



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Monday, June 26, 2017

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**WILDOMAR**  
**103°F** at 11:50 AM  
 AM  
**103°F/65°F**  
 1 mph S  
**Weather**  
**Currents 0.00"**  
 SEVEN DAY FORECAST

**EMERGENCY PREPAREDNESS**

Natural disasters and emergencies may happen at any time. Planning for disasters in advance and keeping those plans updated will help ensure the survival of you, your family and your business. The following resources will help you plan for emergencies and natural disasters, and recovery after a disaster strikes.

Registration forms for some classes can be found in the right column under the forms menu.

**EL NINO 2016**

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<b>P</b>	<b>O</b>	<b>P</b>
REPRE	TE	ROPERT
<b>E</b>	<b>T</b>	<b>E</b>
EARLY	C	NVIRONMENT



- Quick Links
- [SCE El Nino Fact Sheet](#)
  - [Be Prepared California](#)
  - [Wildomar 2015 CERT Storm Preparedness](#)
  - [The Great California Shakeout](#)
  - [RivCo Early Warning Notification System](#)
  - [2015 Cool Center Information](#)
  - [Warm Center Information](#)
  - [Warm Center Information \(Spanish\)](#)
  - [Tips for Cold and Freezing Temperatures \(English & Spanish\)](#)

- Forms
- [CPR/AED Registration](#)

Stay Informed

To receive email alerts on this very important issue, please sign up below.

First Name:

Last Name:

Email:

**Local Hazard Mitigation Plan Update**

[City of Wildomar LHMP 2012](#)

We want your feedback! The City of Wildomar is updating the City's 2012 Local Hazard Mitigation Plan (LHMP).



The purpose of the LHMP is to identify local hazards, review and assess past disaster occurrences, estimate the probability of future occurrences, and set goals to mitigate potential risks (to reduce or eliminate long-term risk) to people and property from natural and man-made hazards.

Please review the LHMP and comment on anything you believe should be addressed in in the 2017 updated plan.

Comments should be emailed to Les Chapman, Public Works Superintendent at [chapman@cityofwildomar.org](mailto:chapman@cityofwildomar.org)

**Classes & Training**

[CERT Safety Sessions](#) June 29th 6pm

City of Wildomar · 23873 Clinton Keith Rd., Suite 201 · Wildomar, CA 92595 · 951-677-7751

[Privacy Policy](#) · [ADA Notice](#) · [ADA Grievance Procedure](#)

City of Wildomar Emergency Preparedness

103° at 11:50 AM  
 Monday 1 mph S  
 Clear 0.00"

SEARCH SITE

City of Wildomar Emergency

REPAIR PROPERTY EARLY ENVIRONMENT

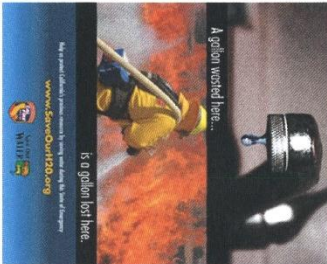
When Center Information (Spanish)  
 Tools for Code and Enforcing  
 LEADERSHIP (English & Spanish)

Forms  
 CERTIFIED Registration

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 To receive email alerts on this, very important issue, please sign up below

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 Last Name: \_\_\_\_\_  
 Email: \_\_\_\_\_

Subscribe



Local Hazard Mitigation Plan Update

City of Wildomar LHMIP 2012

We want your feedback! The City of Wildomar is updating the City's 2012 Local Hazard Mitigation Plan (LHMIP).

The purpose of the LHMIP is to identify local hazards, analyze and assess past disaster occurrences, estimate the probability of future occurrences, and set goals, implement a plan, and monitor progress. The LHMIP also includes a risk reduction strategy to help protect people and property from natural and man-made hazards.

Please review this LHMIP and comment on anything you believe should be addressed in the 2017 updated plan.

Comments should be emailed to Les Chapman, Public Works Superintendent at [lechapman@cityofwildomar.org](mailto:lechapman@cityofwildomar.org)

Classes & Training

CERT Safety Sessions June 29th 9am

City of Wildomar · 23873 Clinton Keith Rd., Suite 201 · Wildomar, CA 92395 · 951.677.7751  
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City of Wildomar Local Hazard Mitigation Plan Update

June 6, 2017

	Name	Title	Department
1	Janet Morales	Sr. Analyst	City Manager
2	MARTIN THEBELE	Builiont CRT	Builiont
3	DANIEL ANNE	Police Chief	Public Safety
4	Todd Phillips	Builiont Chief	Fire
5	Debbie Lee	City Clerk	City Clerk
6	Matthew Bassi	Planning Dir.	Planning
7	GARY AGRICOLA	City Manager	City Manager
8	James R. Riley	Finance Director	Finance
9	Dan York	Assist. City Manager	Public Works
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# APPENDIX B – INVENTORY WORKSHEETS

# APPENDIX C – PLAN REVIEW TOOL/CROSSWALK

## REGION IX LOCAL MITIGATION PLAN REVIEW TOOL

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The *Local Mitigation Plan Review Tool* demonstrates how the Local Mitigation Plan meets the regulation in 44 CFR §201.6 and offers states and FEMA mitigation planners an opportunity to provide feedback to the community.

- The **Regulation Checklist** provides a summary of FEMA’s evaluation of whether the plan has addressed all requirements.
- The **Plan Assessment** identifies the plan’s strengths as well as documents areas for future improvement. This section also includes a list of resources for implementation of the plan.
- The **Multi-Jurisdiction Summary Sheet** is a **mandatory** worksheet that is used to document which jurisdictions have participated in the planning process and are eligible to adopt the plan.
- The **Hazard Identification and Risk Assessment Matrix** is a tool for plan reviewers to identify if all components of Element B are met.

<b>Jurisdiction:</b>	<b>Title of Plan:</b>	<b>Date of Plan:</b>
<b>Local Point of Contact:</b>		<b>Address:</b>
<b>Title:</b>		
<b>Agency:</b>		
<b>Phone Number:</b>		
		<b>E-Mail:</b>
<b>State Reviewer:</b>	<b>Title:</b>	<b>Date:</b>
<b>Date Received at State Agency</b>		
<b>Plan Not Approved</b>		
<b>Plan Approved/Sent to FEMA</b>		
<b>FEMA Reviewer:</b>	<b>Title:</b>	<b>Date:</b>
<b>Date Received in FEMA Region IX</b>		
<b>Plan Not Approved</b>		



Plan Approvable Pending Adoption	
Plan Approved	

## SECTION 1: REGULATION CHECKLIST

**INSTRUCTIONS:** The Regulation Checklist must be completed by FEMA. The purpose of the Checklist is to identify the location of relevant or applicable content in the plan by element/sub-element and to determine if each requirement has been 'Met' or 'Not Met.' The 'Required Revisions' summary at the bottom of each element must be completed by FEMA to provide a clear explanation of the revisions that are required for plan approval. Required revisions must be explained for each plan sub-element that is 'Not Met.' Sub-elements should be referenced in each summary by using the appropriate numbers (A1, B3, etc.), where applicable. Requirements for each Element and sub-element are described in detail in the *Local Plan Review Guide* in Section 4, Regulation Checklist.

1. REGULATION CHECKLIST		Location in Plan	Met	Not Met
Regulation (44 CFR 201.6 Local Mitigation Plans)		(section and/or page number)		
<b>ELEMENT A. PLANNING PROCESS</b>				
A1. Does the plan document the planning process, including how it was prepared and who was involved in the process for each jurisdiction? (Requirement §201.6(c)(1))	a. Does the plan document the planning process, including how it was prepared (with a narrative description, meeting minutes, sign-in sheets, or another method)?			
	b. Does the plan list the jurisdiction(s) participating in the plan that are seeking approval?			
	c. Does the plan identify who represented each jurisdiction?  (At a minimum, it must identify the jurisdiction represented and the person's position or title and agency within the jurisdiction.)			

<b>1. REGULATION CHECKLIST</b>		<b>Location in Plan</b>	<b>Met</b>	<b>Not Met</b>
<b>Regulation (44 CFR 201.6 Local Mitigation Plans)</b>		(section and/or page number)		
A2. Does the plan document an opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, agencies that have the authority to regulate development as well as other interests to be involved in the planning process? (Requirement §201.6(b)(2))	a. Does the plan document an opportunity for neighboring communities, local, and regional agencies involved in hazard mitigation activities, agencies that have the authority to regulate development, as well as other interested parties to be involved in the planning process?			
	b. Does the plan identify how the stakeholders were invited to participate in the process?			
A3. Does the plan document how the public was involved in the planning process during the drafting stage? (Requirement §201.6(b)(1))				
A4. Does the plan describe the review and incorporation of existing plans, studies, reports, and technical information? (Requirement §201.6(b)(3))				
A5. Is there discussion of how the community(ies) will continue public participation in the plan maintenance process? (Requirement §201.6(c)(4)(iii))				
A6. Is there a description of the method and schedule for keeping the plan current (monitoring, evaluating and updating the mitigation plan within a 5-year cycle)? (Requirement §201.6(c)(4)(i))	a. Does the plan identify how, when, and by whom the plan will be <b>monitored</b> (how will implementation be tracked) over time?			
	b. Does the plan identify how, when, and by whom the plan will be <b>evaluated</b> (assessing the effectiveness of the plan at achieving stated purpose and goals) over time?			
	c. Does the plan identify how, when, and by whom the plan will be <b>updated</b> during the 5-year cycle?			
<b><u>ELEMENT A: REQUIRED REVISIONS</u></b>				
<b>ELEMENT B. HAZARD IDENTIFICATION AND RISK ASSESSMENT</b>				
(Reviewer: See Section 4 for assistance with Element B)				

<b>1. REGULATION CHECKLIST</b>		<b>Location in Plan</b>	<b>Met</b>	<b>Not Met</b>
<b>Regulation (44 CFR 201.6 Local Mitigation Plans)</b>		(section and/or page number)		
B1. Does the plan include a description of the type, location, and extent of all natural hazards that can affect each jurisdiction(s)? (Requirement §201.6(c)(2)(i))	a. Does the plan include a general <b>description</b> of all natural hazards that can affect each jurisdiction?			
	b. Does the plan provide rationale for the omission of any natural hazards that are commonly recognized to affect the jurisdiction(s) in the planning area?			
	c. Does the plan include a description of the <b>location</b> for all natural hazards that can affect each jurisdiction?			
	d. Does the plan include a description of the <b>extent</b> for all natural hazards that can affect each jurisdiction?			
B2. Does the plan include information on previous occurrences of hazard events and on the probability of future hazard events for each jurisdiction? (Requirement §201.6(c)(2)(i))	a. Does the plan include information on <b>previous occurrences</b> of hazard events for each jurisdiction?			
	b. Does the plan include information on the <b>probability</b> of future hazard events for each jurisdiction?			
B3. Is there a description of each identified hazard's impact on the community as well as an overall summary of the community's vulnerability for each jurisdiction? (Requirement §201.6(c)(2)(ii))	a. Is there a description of each hazard's <b>impacts</b> on each jurisdiction (what happens to structures, infrastructure, people, environment, etc.)?			
	b. Is there a description of each identified hazard's overall <b>vulnerability</b> (structures, systems, populations, or other community assets defined by the community that are identified as being susceptible to damage and loss from hazard events) for each jurisdiction?			
B4. Does the plan address NFIP insured structures within the jurisdiction that have been repetitively damaged by floods? (Requirement §201.6(c)(2)(ii))				

<b>1. REGULATION CHECKLIST</b>		<b>Location in Plan</b>			
Regulation (44 CFR 201.6 Local Mitigation Plans)		(section and/or page number)	Met	Not Met	
<b><u>ELEMENT B: REQUIRED REVISIONS</u></b>					
<b>ELEMENT C. MITIGATION STRATEGY</b>					
C1. Does the plan document each jurisdiction’s existing authorities, policies, programs and resources and its ability to expand on and improve these existing policies and programs? (Requirement §201.6(c)(3))	a. Does the plan document each jurisdiction’s existing authorities, policies, programs and resources?				
	b. Does the plan document each jurisdiction’s ability to expand on and improve these existing policies and programs?				
C2. Does the plan address each jurisdiction’s participation in the NFIP and continued compliance with NFIP requirements, as appropriate? (Requirement §201.6(c)(3)(ii))					
C3. Does the plan include goals to reduce/avoid long-term vulnerabilities to the identified hazards? (Requirement §201.6(c)(3)(i))					
C4. Does the plan identify and analyze a comprehensive range of specific mitigation actions and projects for each jurisdiction being considered to reduce the effects of hazards, with emphasis on new and existing buildings and infrastructure? (Requirement §201.6(c)(3)(ii))	a. Does the plan identify and analyze a comprehensive range (different alternatives) of specific mitigation actions and projects to reduce the impacts from hazards?				
	b. Does the plan identify mitigation actions for every hazard posing a threat to each participating jurisdiction?				
	c. Do the identified mitigation actions and projects have an emphasis on new and existing buildings and infrastructure?				

<b>1. REGULATION CHECKLIST</b>		<b>Location in Plan</b>	<b>Met</b>	<b>Not Met</b>
<b>Regulation (44 CFR 201.6 Local Mitigation Plans)</b>		<b>(section and/or page number)</b>		
C5. Does the plan contain an action plan that describes how the actions identified will be prioritized (including cost benefit review), implemented, and administered by each jurisdiction? (Requirement §201.6(c)(3)(iv)); (Requirement §201.6(c)(3)(iii))	a. Does the plan explain how the mitigation actions and projects will be prioritized (including cost benefit review)?			
	b. Does the plan identify the position, office, department, or agency responsible for implementing and administering the action/project, potential funding sources and expected timeframes for completion?			
C6. Does the plan describe a process by which local governments will integrate the requirements of the mitigation plan into other planning mechanisms, such as comprehensive or capital improvement plans, when appropriate? (Requirement §201.6(c)(4)(ii))	a. Does the plan identify the local planning mechanisms where hazard mitigation information and/or actions may be incorporated?			
	b. Does the plan describe each community's process to integrate the data, information, and hazard mitigation goals and actions into other planning mechanisms?			
	c. The updated plan must explain how the jurisdiction(s) incorporated the mitigation plan, when appropriate, into other planning mechanisms as a demonstration of progress in local hazard mitigation efforts.			
<b><u>ELEMENT C: REQUIRED REVISIONS</u></b>				
<b>ELEMENT D. PLAN REVIEW, EVALUATION, AND IMPLEMENTATION</b>				
(Applicable to plan updates only)				
D1. Was the plan revised to reflect changes in development? (Requirement §201.6(d)(3))				



1. REGULATION CHECKLIST Regulation (44 CFR 201.6 Local Mitigation Plans)	Location in Plan (section and/or page number)	Met	Not Met
D2. Was the plan revised to reflect progress in local mitigation efforts? (Requirement §201.6(d)(3))			
D3. Was the plan revised to reflect changes in priorities? (Requirement §201.6(d)(3))			
<b><u>ELEMENT D: REQUIRED REVISIONS</u></b>			
<b>ELEMENT E. PLAN ADOPTION</b>			
E1. Does the plan include documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval? (Requirement §201.6(c)(5))			
E2. For multi-jurisdictional plans, has each jurisdiction requesting approval of the plan documented formal plan adoption? (Requirement §201.6(c)(5))			
<b><u>ELEMENT E: REQUIRED REVISIONS</u></b>			
<b>ELEMENT F. ADDITIONAL STATE REQUIREMENTS</b> (Optional for State Reviewers only; not to be completed by FEMA)			
F1.			
F2.			
<b><u>ELEMENT F: REQUIRED REVISIONS</u></b>			

## SECTION 2:PLAN ASSESSMENT

**INSTRUCTIONS:** The purpose of this Plan Assessment is to offer the local community more comprehensive feedback to the community on the quality and utility of the plan in a narrative format. The Plan Assessment **must** be completed by FEMA.

The Assessment is an opportunity for FEMA to provide feedback and information to the community on: 1) suggested improvements to the plan; 2) specific sections in the plan where the community has gone above and beyond minimum requirements; 3) recommendations for plan implementation; and 4) ongoing partnership(s) and information on other FEMA programs, specifically Risk MAP and Hazard Mitigation Assistance programs.

The Plan Assessment is divided into two sections:

- 1) Plan Strengths and Opportunities for Improvement
- 2) Resources for Implementing Your Approved Plan

***Plan Strengths and Opportunities for Improvement*** is organized according to the plan elements listed in the Regulation Checklist. Each element includes a series of italicized bulleted items that are suggested topics for consideration while evaluating plans, but it is not intended to be a comprehensive list. FEMA Mitigation Planners are not required to answer each bullet item, and should use them as a guide to paraphrase their own written assessment (2-3 sentences) of each element.

The Plan Assessment must not reiterate the required revisions from the Regulation Checklist or be regulatory in nature, and should be open-ended and to provide the community with suggestions for improvements or recommended revisions. The recommended revisions are suggestions for improvement and are not required to be made for the plan to meet Federal regulatory requirements. The italicized text should be deleted once FEMA has added comments regarding strengths of the plan and potential improvements for future plan revisions. It is recommended that the Plan Assessment be a short synopsis of the overall strengths and weaknesses of the Plan (no longer than two pages), rather than a complete recap section by section.

***Resources for Implementing Your Approved Plan*** provides a place for FEMA to offer information, data sources and general suggestions on the overall plan implementation and maintenance process. Information on other possible sources of assistance including, but not limited to, existing publications, grant funding or training opportunities, can be provided. States may add state and local resources, if available.

## A. Plan Strengths and Opportunities for Improvement

This section provides a discussion of the strengths of the plan document and identifies areas where these could be improved beyond minimum requirements.

### Element A: Planning Process

**Strengths:**

- 1)
- 2)
- 3)

**Opportunities for Improvement:**

- 1)
- 2)
- 3)

(Delete italicized text below after filling in strengths and opportunities above.)

*How does the Plan go above and beyond minimum requirements to document the planning process with respect to:*

- *Involvement of stakeholders (elected officials/decision makers, plan implementers, business owners, academic institutions, utility companies, water/sanitation districts, etc.);*
- *Involvement of Planning, Emergency Management, Public Works Departments or other planning agencies (i.e., regional planning councils);*
- *Diverse methods of participation (meetings, surveys, online, etc.); and*
- *Reflective of an open and inclusive public involvement process.*

### Element B: Hazard Identification and Risk Assessment

**Strengths:**

- 1)
- 2)
- 3)

**Opportunities for Improvement:**

- 1)
- 2)

3)

(Delete italicized text below after filling in strengths and opportunities above.)

*In addition to the requirements listed in the Regulation Checklist, 44 CFR 201.6 Local Mitigation Plans identifies additional elements that should be included as part of a plan's risk assessment. The plan should describe vulnerability in terms of:*

- 1) *A general description of land uses and future development trends within the community so that mitigation options can be considered in future land use decisions;*
- 2) *The types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas; and*
- 3) *A description of potential dollar losses to vulnerable structures, and a description of the methodology used to prepare the estimate.*

*How does the Plan go above and beyond minimum requirements to document the Hazard Identification and Risk Assessment with respect to:*

- *Use of best available data (flood maps, HAZUS, flood studies) to describe significant hazards;*
- *Communication of risk on people, property, and infrastructure to the public (through tables, charts, maps, photos, etc.);*
- *Incorporation of techniques and methodologies to estimate dollar losses to vulnerable structures;*
- *Incorporation of Risk MAP products (i.e., depth grids, Flood Risk Report, Changes Since Last FIRM, Areas of Mitigation Interest, etc.); and*
- *Identification of any data gaps that can be filled as new data became available.*

### **Element C: Mitigation Strategy**

#### **Strengths:**

1)

2)

3)

#### **Opportunities for Improvement:**

1)

2)

3)

(Delete italicized text below after filling in strengths and opportunities above.)

*How does the Plan go above and beyond minimum requirements to document the Mitigation Strategy with respect to:*

- *Key problems identified in, and linkages to, the vulnerability assessment;*
- *Serving as a blueprint for reducing potential losses identified in the Hazard Identification and Risk Assessment;*
- *Plan content flow from the risk assessment (problem identification) to goal setting to mitigation action development;*
- *An understanding of mitigation principles (diversity of actions that include structural projects, preventative measures, outreach activities, property protection measures, post-disaster actions, etc);*
- *Specific mitigation actions for each participating jurisdictions that reflects their unique risks and capabilities;*
- *Integration of mitigation actions with existing local authorities, policies, programs, and resources; and*
- *Discussion of existing programs (including the NFIP), plans, and policies that could be used to implement mitigation, as well as document past projects.*

**Element D: Plan Update, Evaluation, and Implementation (Plan Updates Only)**

**Strengths:**

- 1)
- 2)
- 3)

**Opportunities for Improvement:**

- 1)
- 2)
- 3)

(Delete italicized text below after filling in strengths and opportunities above.)

*How does the Plan go above and beyond minimum requirements to document the 5-year Evaluation and Implementation measures with respect to:*

- *Status of previously recommended mitigation actions;*
- *Identification of barriers or obstacles to successful implementation or completion of mitigation actions, along with possible solutions for overcoming risk;*
- *Documentation of annual reviews and committee involvement;*
- *Identification of a lead person to take ownership of, and champion the Plan;*
- *Reducing risks from natural hazards and serving as a guide for decisions makers as they commit resources to reducing the effects of natural hazards;*



- *An approach to evaluating future conditions (i.e. socio-economic, environmental, demographic, change in built environment etc.);*
- *Discussion of how changing conditions and opportunities could impact community resilience in the long term; and*
- *Discussion of how the mitigation goals and actions support the long-term community vision for increased resilience.*

## **B. Resources for Implementing and Updating Your Approved Plan**

This resource section is organized into three categories:

- 1) Guidance and Resources
- 2) Training Topics and Courses
- 3) Funding Sources

### **Guidance and Resources**

Local Mitigation Planning Handbook

<https://www.fema.gov/media-library/assets/documents/31598>

Beyond the Basics

<http://mitigationguide.org/>

Mitigation Ideas

<https://www.fema.gov/media-library/assets/documents/30627>

Plan Integration: Linking Local Planning Efforts

<https://www.fema.gov/media-library/assets/documents/108893>

Integrating Disaster Data into Hazard Mitigation Planning

<https://www.fema.gov/media-library/assets/documents/103486>

Integrating Historic Property and Cultural Resource Considerations into Hazard Mitigation Planning

<https://www.fema.gov/ar/media-library/assets/documents/4317>

Community Rating System User Manual

<https://www.fema.gov/media-library/assets/documents/8768>

U.S. Climate Resilient Toolkit

<https://toolkit.climate.gov/>

2014 National Climate Assessment

<http://nca2014.globalchange.gov/>

Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation

[http://ipcc-wg2.gov/SREX/images/uploads/SREX-All\\_FINAL.pdf](http://ipcc-wg2.gov/SREX/images/uploads/SREX-All_FINAL.pdf)

FY15 Hazard Mitigation Assistance Unified Guidance

<https://www.fema.gov/media-library/assets/documents/103279>

Climate Resilient Mitigation Activities for Hazard Mitigation Assistance

<https://www.fema.gov/media-library/assets/documents/110202>

### **Training**

More information at <https://training.fema.gov/emi.aspx> or through your State Training Officer

### **Mitigation Planning**

IS-318 Mitigation Planning for Local and Tribal Communities

<https://training.fema.gov/is/courseoverview.aspx?code=is-318>

IS-393 Introduction to Hazard Mitigation

<https://training.fema.gov/is/courseoverview.aspx?code=is-393.a>

G-318 Preparing and Reviewing Local Plans

G-393 Mitigation for Emergency Managers

#### Hazard Mitigation Assistance (HMA) Grant Programs

IS-212.b Introduction to Unified HMA

<http://www.training.fema.gov/is/courseoverview.aspx?code=IS-212.b>

IS-277 Benefit Cost Analysis Entry Level

<http://www.training.fema.gov/is/courseoverview.aspx?code=IS-277>

E-212 HMA: Developing Quality Application Elements

E-213 HMA: Application Review and Evaluation

E-214 HMA: Project Implementation and Programmatic Closeout

E-276 Benefit-Cost Analysis Entry Level

#### GIS and Hazus-MH

IS-922 Application of GIS for Emergency Management

<http://www.training.fema.gov/is/courseoverview.aspx?code=IS-922>

E-190 ArcGIS for Emergency Managers

E-296 Application of Hazus-MH for Risk Assessment

E-313 Basic Hazus-MH

#### Floodplain Management

E-273 Managing Floodplain Development through the NFIP

E-278 National Flood Insurance Program/ Community Rating System

### **Potential Funding Sources**

#### Hazard Mitigation Grant Program

POC: FEMA Region IX and State Hazard Mitigation Officer

Website: <https://www.fema.gov/hazard-mitigation-grant-program>

#### Pre-Disaster Mitigation Grant Program

POC: FEMA Region IX and State Hazard Mitigation Officer

Website: <https://www.fema.gov/pre-disaster-mitigation-grant-program>

#### Flood Mitigation Assistance Grant Program

POC: FEMA Region IX and State Hazard Mitigation Officer

Website: <https://www.fema.gov/flood-mitigation-assistance-grant-program>

#### Emergency Management Performance Grant Program

POC: FEMA Region IX

Website: <https://www.fema.gov/emergency-management-performance-grant-program>

**SECTION 3:**

**MULTI-JURISDICTIONAL SUMMARY SHEET**

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**INSTRUCTIONS:** For multi-jurisdictional plans, this summary sheet must be completed by listing each participating jurisdiction that is eligible to adopt the plan.

<b>MULTI-JURISDICTION SUMMARY SHEET</b>					
<b>#</b>	<b>Jurisdiction Name</b>	<b>Jurisdiction Type</b>	<b>Eligible to Adopt the Plan?</b>	<b>Plan POC</b>	<b>Email</b>
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

**MULTI-JURISDICTION SUMMARY SHEET**

#	Jurisdiction Name	Jurisdiction Type	Eligible to Adopt the Plan?	Plan POC	Email
11					
12					
13					
14					
15					

