

2022

# LOCAL HAZARD MITIGATION PLAN



Prepared by: Yvette Magdaleno

City of Wildomar

9/19/2022

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# PLAN ADOPTION/RESOLUTION

The (Jurisdiction) will submit plans to the Riverside County Emergency Management Department which will forward them to the 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 (Jurisdiction) will insert the signed resolution.

**Placeholder for Resolution of Adoption**

# EXECUTIVE SUMMARY

This local hazard mitigation plan aims to identify the County's 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 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 funding through Federal Emergency Management Agency (FEMA) Flood Mitigation Assistance, Pre-Disaster Mitigation, and Hazard Mitigation Grant Programs.

Riverside County's continual efforts to maintain a disaster-mitigation strategy are ongoing. Our goal is to develop and maintain an all-inclusive plan to include all jurisdictions, special districts, businesses, and community organizations to promote consistency, continuity, and unification.

The County'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 jurisdictions agencies, special districts, school districts, non-profit communities, universities, businesses, tribes, and the general public.

The plan identifies vulnerabilities, provides recommendations for prioritized mitigation actions, evaluates resources, and identifies mitigation shortcomings, and provides future mitigation planning and maintenance of the existing plan.

The plan will be implemented upon FEMA approval.

# TABLE OF CONTENT

CONTACT INFORMATION.....	1
PLAN ADOPTION/RESOLUTION.....	2
EXECUTIVE SUMMARY.....	3
TABLE OF CONTENT.....	4
SECTION 1.0 - COMMUNITY PROFILE .....	6
1.1 CITY MAP.....	6
1.2 GEOGRAPHY AND CLIMATE DESCRIPTION .....	7
1.3 BRIEF HISTORY .....	7
1.4 ECONOMY DESCRIPTION .....	7
1.5 POPULATION AND HOUSING.....	8
1.6 BRIEF STATEMENT OF UNIQUE HAZARDS.....	11
1.7 DEVELOPMENT TRENDS AND LAND USE.....	11
SECTION 2.0 - PLANNING PROCESS.....	13
2.1 LOCAL PLANNING PROCESS.....	13
2.2 PARTICIPATION IN REGIONAL (OA) PLANNING PROCESS.....	14
2.3 DATES AVAILABLE FOR PUBLIC COMMENT.....	15
2.4 PLANS ADOPTED BY RESOLUTION.....	15
SECTION 3.0 – MITIGATION ACTIONS/UPDATES.....	15
3.1 UPDATES FROM 2017 PLAN .....	15
Table 3- LIST OF COUNTY AND CITY HAZARDS .....	16
3.2 NEW HAZARDS OR CHANGES FROM 2017.....	17
3.3 MITIGATION PROJECT UPDATES .....	17
SECTION 4.0 - HAZARD IDENTIFICATION AND RISK ASSESSMENT.....	18
4.1 CRITICAL FACILITIES AND INFRASTRUCTURES.....	18
4.2 ESTIMATING POTENTIAL LOSS.....	18
4.3 TABLE REPLACEMENT VALUES.....	19
4.4 IDENTIFICATION OF RISKS AND VULNERABILITIES.....	19
SECTION 5.0 – COMMUNITY RATING SYSTEM .....	21
5.1 REPETITIVE LOSS PROPERTIES .....	21
5.2 NATIONAL FLOOD INSURANCE PROPERTIES .....	21
SECTION 6.0 - CAPABILITIES ASSESSMENT .....	22
6.1 REGULATORY MITIGATION CAPABILITIES .....	22
EDP provided information and resources to the community, including information regarding emergencies and City resources available to businesses and the community.....	22
6.2 ADMINISTRATIVE/TECHNICAL MITIGATION CAPABILITIES .....	23
6.3 FISCAL MITIGATION CAPABILITIES .....	24
6.5 FUNDING OPPORTUNITIES.....	25
SECTION 7.0 - MITIGATION STRATEGIES .....	25
7.1 GOALS AND OBJECTIVES .....	25
7.2 MITIGATION ACTIONS .....	26
7.3 ON-GOING MITIGATION STRATEGY PROGRAMS .....	28
7.4 FUTURE MITIGATION STRATEGIES.....	28
SECTION 8.0 - PLAN IMPLEMENTATION AND MAINTENANCE PROCESS.....	29
SECTION 9.0 - INCORPORATION INTO EXISTING PLANNING MECHANISMS.....	29
SECTION 10.0 - CONTINUED PUBLIC INVOLVEMENT.....	30
APPENDIX A – PUBLIC NOTICES AND MAPS.....	31
APPENDIX B – INVENTORY WORKSHEETS .....	33
APPENDIX C – PLAN REVIEW TOOL/CROSSWALK.....	34

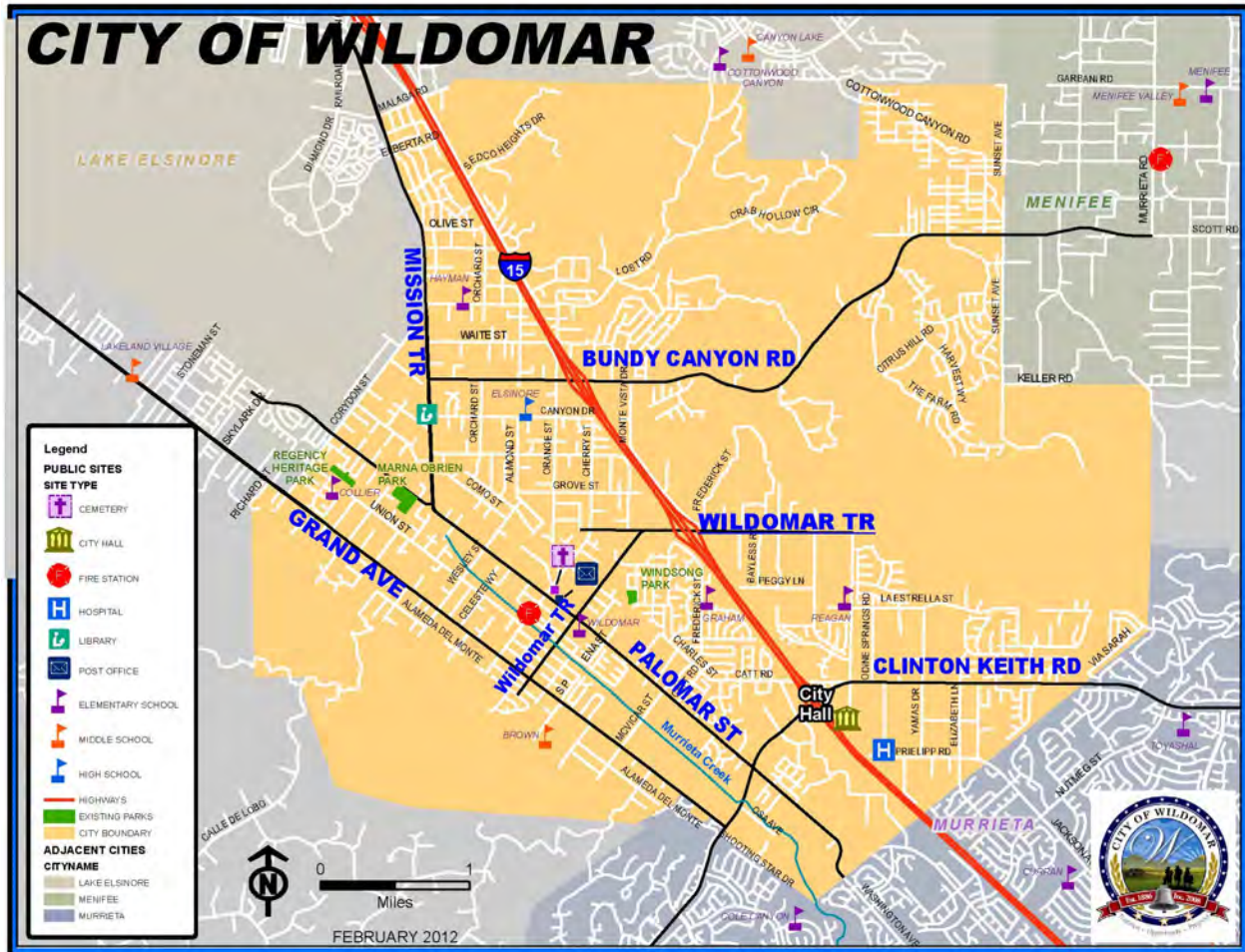
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# SECTION 1.0 - COMMUNITY PROFILE

## 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.

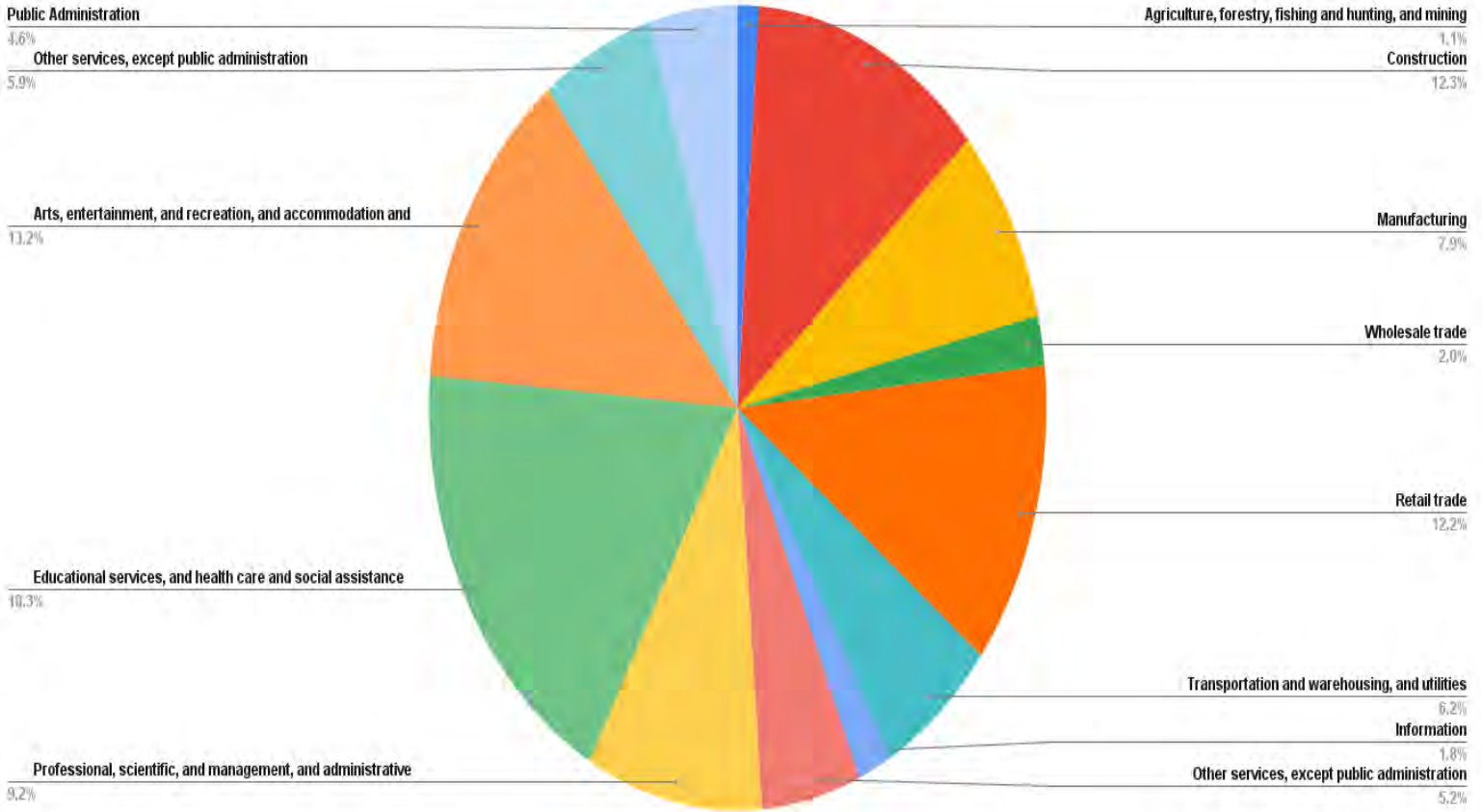
## **1.3 BRIEF HISTORY**

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 the education and healthcare sector, which accounts for over 18.3% of the jobs in the community. In addition, as depicted in Figure 2, construction, leisure, professional, and retail sectors combined with education make up over 65% of the jobs in the community.





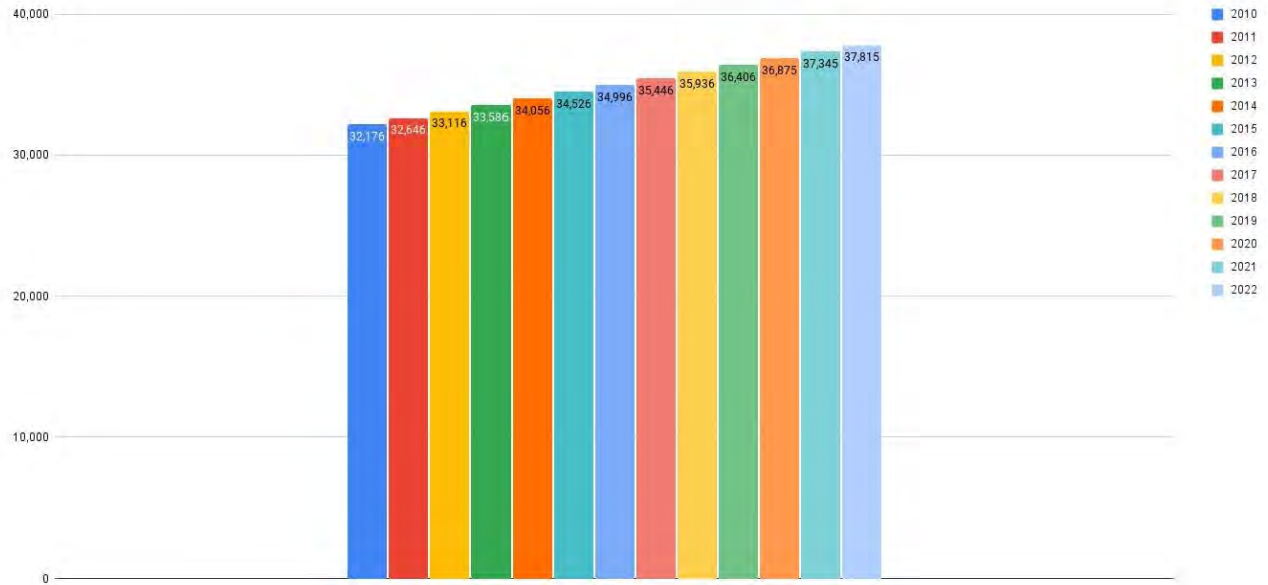
**Figure 2 - Jobs By Sector**

Sources: California Employment Development, US Census Bureau, 2020

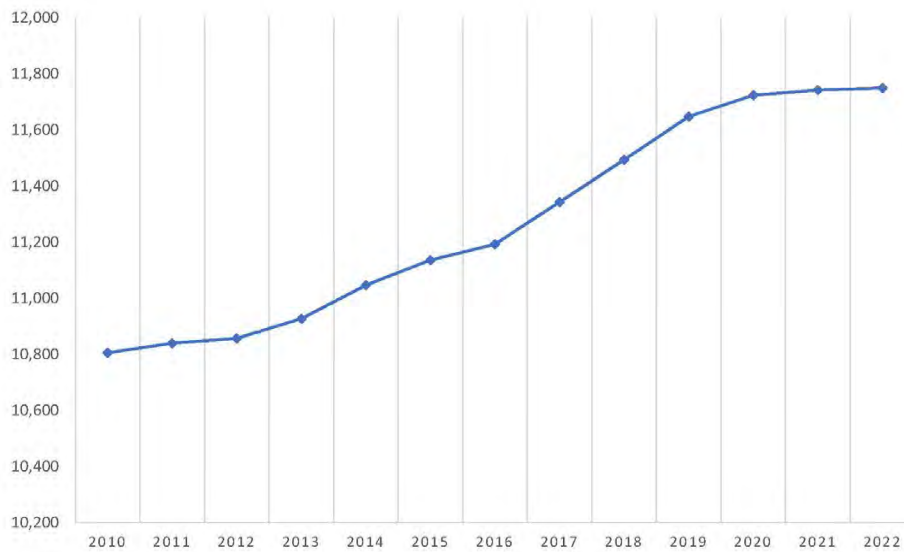
## 1.5 POPULATION AND HOUSING

According to the California Department of Finance and the US Census estimates, the population of the City of Wildomar in 2021 was 37,345., which increased from the 2020 population of 36,875 (1.26 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**



During the same period total households grew at a similar pace, with a total of 11,743 households in the City in 2021 (Figure 4). Based on these two estimates, the persons per household ratio for the City is 3.14.



**Figure 4 - Total Households**

Table 1 provides demographic information according to the 2020 United States Census Bureau.

Table 1- Age and Gender Demographics			
Subject	Total	Male	Female
Total Population	36,091	17,752	18,339
<b>AGE</b>			
Under 5	2,456	6.8%	6.8%
5 to 9	2,646	7.3%	7.3%
10 to 14	2,246	6.2%	6.2%
15 to 19	2,596	7.2%	7.2%
20 to 24	2,610	7.4%	7.0%
25 to 29	2,708	8.1%	6.9%
30 to 34	2,742	7.3%	7.9%
35 to 39	2,077	5.1%	6.4%
40 to 44	2,565	8.1%	6.1%
45 to 49	2,033	6.4%	4.9%
50 to 54	1,875	5.7%	4.7%
55 to 59	2,217	5.2%	7.0%
60 to 64	2,557	6.4%	7.7%
65 to 69	1,500	3.6%	4.7%
70 to 74	1,246	3.5%	3.4%
75 to 89	611	2.2%	1.2%
80 to 84	766	1.2%	2.8%
85 and over	676	2.0%	1.7%

Table 2 - provide demographic information regarding ethnicity according to the 2020 United States Census Bureau.

Table 2 -Race and Ethnicity of Wildomar		
Total population	37,815	
White	16,334	45.26%
Black or African american	1,026	2.84%
American Indian and Alaska Native	204	57.00%
Asian	1,925	5.33%
Native Hawaiian and Other Pacific Islander	96	0.27%
Some other race	2,057	5.70%
Hispanic or Latino (of any race)	16,173	40.00%

1 Approximately 16,173 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 2020 United States Census Bureau. Based on this survey approximately 73.4% of households in Wildomar own their homes, while the remaining 26.6% rent. Since 2000, the homeownership trend has decreased.

## **1.6 BRIEF STATEMENT OF UNIQUE HAZARDS**

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

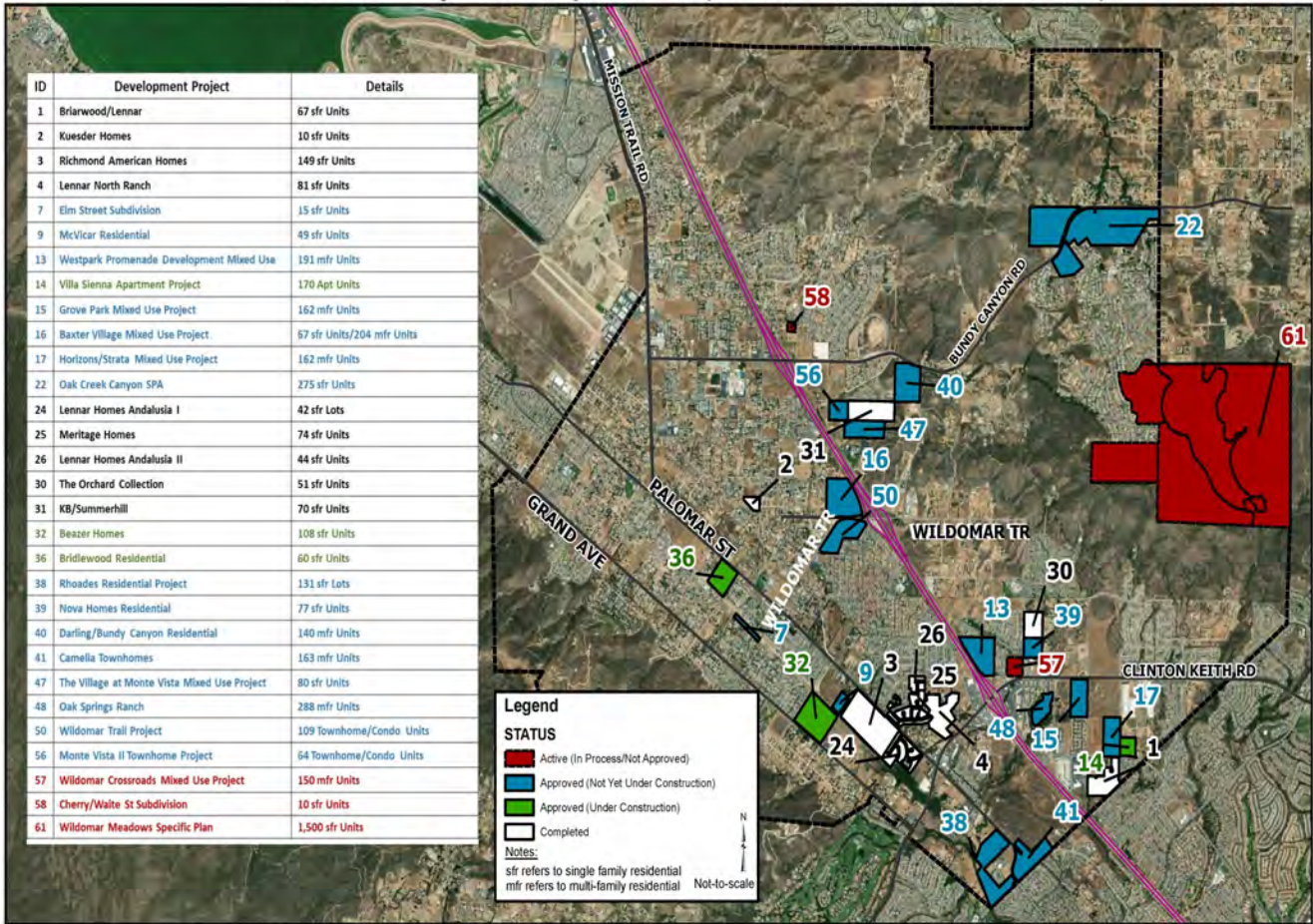
The City of Wildomar has experienced many different disasters since incorporation in 2008. Including the following locally proclaimed emergencies involving floods, wildfires, and severe storms:

- January 2010: Damages totaled more than \$317,000 from damage due to flooding, debris flow and silt build up, and unpaved road repairs.
- December 2010: Damages totaled more than \$70,000 due to flooding, debris flow and silt build up, unpaved road repairs, and multiple downed trees.
- September 2014: Isolated thunderstorms caused damage in the City which included downed powerline, flooded streets, and a lightning strikes.
- 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.
- February 14, 2019: 2.41 inches of rain in Wildomar with a total of 3.84 inches across two days which caused flooding streets.
- September 4, 2019: Tenaja Fire in Murrieta, adjacent to Wildomar boundaries, burning 1926 acres.

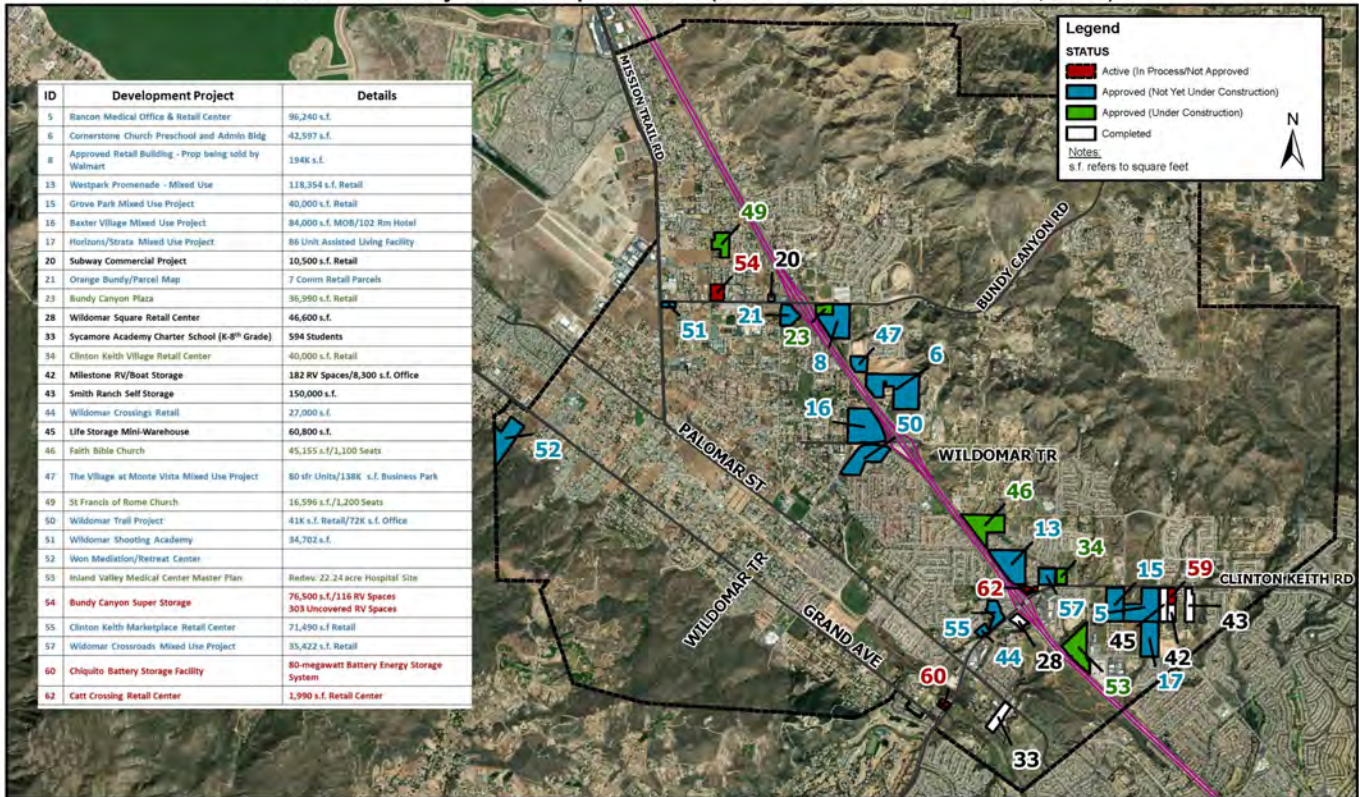
## **1.7 DEVELOPMENT TRENDS AND LAND USE**

With increasing populations come an increase of residential and commercial projects. As of September 2022, the City is going through the entitlement process for both commercial and residential developments that will increase the residential an non-residential development activity in the City. From January 2019 to December 2021, the City approved 4 residential projects. Construction of these projects would result in an additional 551 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 436,000 square feet of commercial and industrial used throughout the City. Figures 6 and 7 depict the activities for both non-residential and residential developments within the City.

**City of Wildomar  
Residential Project Development List (Effective Date: November 1, 2022)**



**City of Wildomar  
Commercial Project Development List (Effective Date: November 1, 2022)**



## SECTION 2.0 - PLANNING PROCESS

### 2.1 LOCAL PLANNING PROCESS

Representatives from City of Wildomar departments meet on a regular basis to discuss hazards of concern, identify potential vulnerabilities, and develop and prioritize appropriate mitigation strategies. Representatives from these departments were contacted via email leading up to each meeting. Meetings were conducted on June 15, 2022, where jurisdiction development trends and hazards of concern were discussed. The meetings 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.

Personnel involved in these meetings included the following senior management positions:

- City Manager
- City Clerk
- Police Chief
- Fire Chief
- Finance Director
- Community Services Director
- Planning Director
- Public Works Director
- Building Official
- Code Enforcement Supervisor
- Emergency Services Department

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

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

- LHMP Workshops – Online virtual meetings 09:00 AM to 10:00 PM
  - June 15, 2022
  - June 28, 2022
  - July 9, 2022
  - August 17, 2022
  - August 24, 2022
  - September 7, 2022
  - October 5, 2022
- Cities & Special Districts Emergency Managers Meeting
  - September 14, 2022
  - October 12, 2022
  - November 9, 2022
- WRCOG Workshop
  - July 13, 2022
- Emergency Operation Centers and Mutual Aid Roundtable
  - August 23, 2022
- RCEMA
  - July 14, 2022

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

On December 22, 2022, the 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/city\\_services/emergency\\_services](http://www.cityofwildomar.org/city_services/emergency_services)) As well as at the main desks in City Hall and the City's Library. During this review period ( ) comments 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 2017 PLAN**

The 2023 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 2017 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.



**Table 3- LIST OF COUNTY AND CITY HAZARDS**

HAZARD	Risk						MITIGATION CAPACITY			Adjusted Risk Score	
	Overall	Residential	Road	Commercial	Critical Infrastructure	Social Facilities	Overall Capacity	Organization	Staffing		
	No Risk	0						No Capacity	0		
	Minor:	1						Very Low	1		
	Moderate:	2						Low	2		
	Major:	3						Medium	3		
Severe:	4						High	4			
Extreme:	5						Very High	5			
<b>Climate / Natural Disaster</b>											
Aqueduct failure	0	0	0	0	0	0	0	0	0	0	
Drought	2	4	1	3	0	0	2	2	2	1	
Earthquake	5	5	5	5	5	5	5	5	5	5	
Storm	1	2	2	2	0	0	2	2	2	0	
Flood	1	2	2	2	0	0	2	2	2	0	
Insect Infestation	0	1	0	1	0	0	1	1	1	0	
Landslide	0	0	0	0	0	0	0	0	0	0	
Tornado	0	0	0	0	0	0	0	0	0	0	
Fire	4	5	5	5	5	0	4	4	4	3	
Heat	2	3	2	3	0	0	2	2	2	1	
<b>Anthropogenic / Technological</b>											
Civil Disorder	1	1	1	1	0	0	1	1	1	0	
Communications Failure	2	4	4	4	0	0	2	2	2	1	
Cyber Attack	3	4	4	4	4	0	3	3	3	2	
Dam Failure	0	0	0	0	0	0	0	0	0	0	
Electrical Failure	3	4	4	4	4	0	3	3	3	2	
HazMat Incident	2	3	4	3	0	0	2	2	2	1	
Jail/Prison Event	0	0	0	0	0	0	0	0	0	0	
Nuclear Incident	0	0	0	0	0	0	0	0	0	0	
Pipeline Disruption	1	2	2	2	0	0	1	1	1	0	
Radiological Incident	0	0	0	0	0	0	0	0	0	0	
Terrorist Event - MCI	0	0	0	0	0	0	0	0	0	0	
Transportation Failure	1	2	2	2	0	0	1	1	1	0	
Water Supply Disruption / Contamination	2	3	0	3	3	0	2	2	2	1	
<b>Medical</b>											
Emergency Disease / Contamination	2	3	0	3	3	0	2	2	2	1	
Pandemic	2	3	0	3	3	0	2	2	2	1	

Table 3- information obtained from FEMA National Risk Index.

### **3.2 NEW HAZARDS OR CHANGES FROM 2017**

The City of Wildomar planning team has reviewed the updated hazards ranking from the County of Riverside and acknowledges that Earthquakes and Wildfires are hazards of concern for the County as whole. These hazards may affect the City if critical infrastructures are compromised as a result of one of these incidents.

### **3.3 MITIGATION PROJECT UPDATES**

The City continues implementation of its Capital Improvement Program, which includes projects that provide safer active transportation facilities (sidewalks, bike lanes, and multi-purpose trails) along roadways throughout the City. In past years, the City implemented Safe Routes to Schools projects, which constructed needed improvements (sidewalks, curbs, gutters, etc...) near Ronald Reagan Elementary School, David Brown Middle School, Wildomar Elementary School, William Collier Elementary School, and Elsinore High School. Although State funding programs have changed over the last several years, the City actively submits grant funding applications to secure additional funds to help build active transportation facilities throughout Wildomar and to close active transportation gaps to local schools. The City pursues many different grant funding opportunities. Typical active transportation grant funding programs that the City applies for include the State's Active Transportation Program and RCTC's SB 821 Grant Program.

## SECTION 4.0 - 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>
Public Safety Dispatch	0
Emergency Operations Center	1
City Hall	1
Fire Stations	1
Water Reservoirs	0
Water Treatment Plants	0
Waste Water Treatment Plants	0
Hospitals	1
Police facility	0
Maintenance Yards	0
Senior Community Centers	1
Schools	10
Radio Repeaters	0
Public Utilities- Water/Sewer	1

### 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 which would 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

Name of Asset	Replacement Value (\$)	Hazard Specific Info.
City Hall/EOC	Unknown/ leased facility	Fire, Earthquake, Active Shooter
Fire Department Station 61	5,500,000 or more	Fire, Earthquake, Active Shooter
Riverside County Library	Unknown	Fire, Earthquake, Active Shooter
LEUSD 4 Elementary Schools 1 Middle School 1 High School 1 Adult School	Unknown	Fire, Earthquake, Active Shooter
Sycamore Academy (Private School)	Unknown	Fire, Earthquake, Active Shooter
Bundy Canyon Christian School (Private School)	Unknown	Fire, Earthquake, Active Shooter
California Lutheran High School (Private School)	Unknown	Fire, Earthquake, Active Shooter
Cornerstone Christian School (Private K-12)	Unknown	Fire, Earthquake, Active Shooter
Grace Christian School of Wildomar (Private School)	Unknown	Fire, Earthquake, Active Shooter

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.

#### Top Three Risks –

1. Earthquake – Severity - 5, Probability – 5

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 can generate earthquakes ranging in magnitude between 6.5 and 7.5.
- Wildomar Fault: 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.

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

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 have been located within Very High Fire and High Fire Hazards areas, 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 hazard susceptibility are also of concern as these conditions could exacerbate vulnerabilities within the City.

## 3. Technological Hazards

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.

## 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 the 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 enforces its flood plan ordinance with city properties in flood hazard areas.*
- 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 enforces its flood plan ordinance with city properties in flood hazard areas.*

#### 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 to 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

Regulatory Tool	Yes/No	Comments
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
Floodplain ordinance	Yes	
Other special purpose ordinance (storm water, water conservation, wildfire)	Yes	
Building code	Yes	Effective January 1, 2023, the 2022 California Building Codes and Standards apply to all new projects.
Fire department ISO rating	Yes	Rating: 3
Erosion or sediment control program	Yes	Adopted all county Ordinances on July 1, 2008. Stormwater Municipal Code Section (Chapter 13.12) last updated in 2019. Implementing the Jurisdictional Runoff Management Plan (JRMP), in compliance with the San Diego Regional Water Quality Control Board MS4 permit.
Storm water management program	Yes	City of Wildomar master Drainage Plan, Adopted December 11, 2019
Capital improvements plan	Yes	Adopted August 10, 2022
Economic development plan	Yes	EDP provided information and resources to the community, including information regarding emergencies and City resources available to businesses and the community.
Local emergency operations plan	Yes	Emergency Operations Plan adopted in 2009
Flood Insurance Study or other engineering studies 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	Planning Department/Public Works/ Engineering
Engineer/professional training in construction practices related to buildings and/or infrastructure	Yes	Building Department/ Building Officials/inspectors
Engineer with an understanding of natural hazards	Yes	Public Works/ Engineer
Personnel skilled in GIS	Yes	Planning Department, Public Works Code Enforcement, / Engineer, City Planners, Officers
Full-time building official	Yes	Building Department/ Building Official
Floodplain manager	Yes	Public Works/ Public Works Director
Emergency manager	Yes	Emergency Management Department, Code Enforcement/ Acting Emergency preparedness officer.
Grant writer	Yes	Economic Development/ Grant Writer
GIS Data—Land use	Yes	Planning Department/Planner
GIS Data—Links to Assessor’s data	Yes	Planning Department, Public Works Code Enforcement, /



		Engineer, City Planners, Officers
Warning systems/services (Reverse 9-11, outdoor warning signals)	Yes	Economic Development/PIO And Alert RivCo

### 6.3 FISCAL MITIGATION CAPABILITIES

Financial Resources	Accessible/Eligible to Use (Yes/No)	Comments
Community Development Block Grants	No	Pending
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 water-responsible programs and annual fire safety programs at schools and special community events throughout the year. The Community Emergency Response Team (CERT) was placed on hold due to COVID-19. The City anticipates a new CERT program that will help prepare residents of our community with the skills to respond to an emergency situation. The City has designated cooling/heating centers sites if needed during an inclement weather emergency.

The City partnerships:

- County of Riverside Emergency Management Department (EMD)
- Riverside County Emergency Managers Association (RCEMA)
- Riverside County Fire Department/ CAL Fire

- Southwest Emergency Management Group
- California Office of Emergency Services (Cal OES)
- RedCross
- Federal Emergency Management Agency (FEMA)
- Riverside County Sheriff's Department
- Neighboring cities (Murrieta, Lake Elsinore, Canyon Lake, and Menifee)
- Riverside County Flood Control and Water Conservation District (RCFC&WCD)

## 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: Goal1: 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 the 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 on the City due to reoccurring drought conditions that impact both the groundwater supply and the 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 on 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.

## 7.2 MITIGATION ACTIONS

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

Appendix B and the 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 – Mitigation Actions

Type of Hazard	Mitigation Action	Lead Department/Jurisdictions	Status
Flood	<b>Wildomar MDP Lateral C-1 (Billie Ann Road Storm Drain) Stage 1</b>  Construct storm drain in Charles Street traveling downstream in Refa Street to the existing RCB at Palomar Avenue	City of Wildomar/Riverside County Flood Control & Water Conservation District	Complete
Flood	<b>City of Wildomar Master Drainage Plan (MDP)</b> Prepare City-wide master drainage plan	City of Wildomar	Complete
Flood	<b>Sedco MDP Line F (Bundy Canyon Rd. and Sellers Rd.)</b>  Construct storm drain to collect upstream runoff and discharge it	City of Wildomar/Riverside County Flood Control & Water Conservation District	Construction almost complete, with completion

	directly into existing Caltrans I-15 storm drain improvements, to protect Bundy Canyon Rd. from flooding.		expected in December 2022.
Flood	<b>Wildomar MDP Lateral C Basin and Storm Drain (north of I-15)</b>  Detention basin located upstream of I-15, with underground storm drain to connect to Caltrans I-15 culvert.	Riverside County Flood Control & Water Conservation District	Design almost complete. Construction expected to begin in 2023.
Flood	<b>Wildomar MDP Lateral C Storm Drain (south of I-15)</b>  Storm drain from I-15 culvert south to existing Lateral C channel.	Riverside County Flood Control & Water Conservation District	Pending
Flood	<b>McVicar St. Box Culverts</b>  9-box culvert system at McVicar St. and the Wildomar Channel (Murrieta Creek) to pass large storm events and reduce roadway flooding	City of Wildomar (in coordination with adjacent land developers)	Construction expected to be complete in February 2023.
Flood	<b>Sedco MDP Line F-2 Storm Drain</b>  Storm drain from Lost Rd. south to Sedco MDP Basin	City of Wildomar/Riverside County Flood Control & Water Conservation District	Pending
Flood	<b>Sedco MDP Line G Storm Drain (Stages 1 and 2)</b>  Storm Drain from Orange St./Canyon Dr. west to Corydon St.	Riverside County Flood Control & Water Conservation District	Pending
Flood	<b>Murrieta Creek/Wildomar Channel ROW Improvements</b> ROW Acquisition with the Murrieta creek	Riverside County Flood Control & Water Conservation District	Pending
All Hazards	Incorporation of the LHMP into the City of Wildomar General Plan	City of Wildomar	In Progress (General Plan Update on-going)

### 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. Due to budget constraints the city can not address all areas immediately and therefore the city prioritizes areas based on available funding.

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 ongoing 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 ongoing 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 barbeque's 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 the 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 hazards. The city has identified mitigation strategies within the safety element to address seismically-Induced Liquefaction, Landslides, and Rockfalls. These strategies are identified in police S-7 through S-10 of the City's Safety Element.

## **SECTION 8.0 - PLAN IMPLEMENTATION AND MAINTENANCE PROCESS**

The City of Wildomar will be monitored by a committee, including the Planning Director, Office of Emergency Services, Community Services Director, 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 Wildomar 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

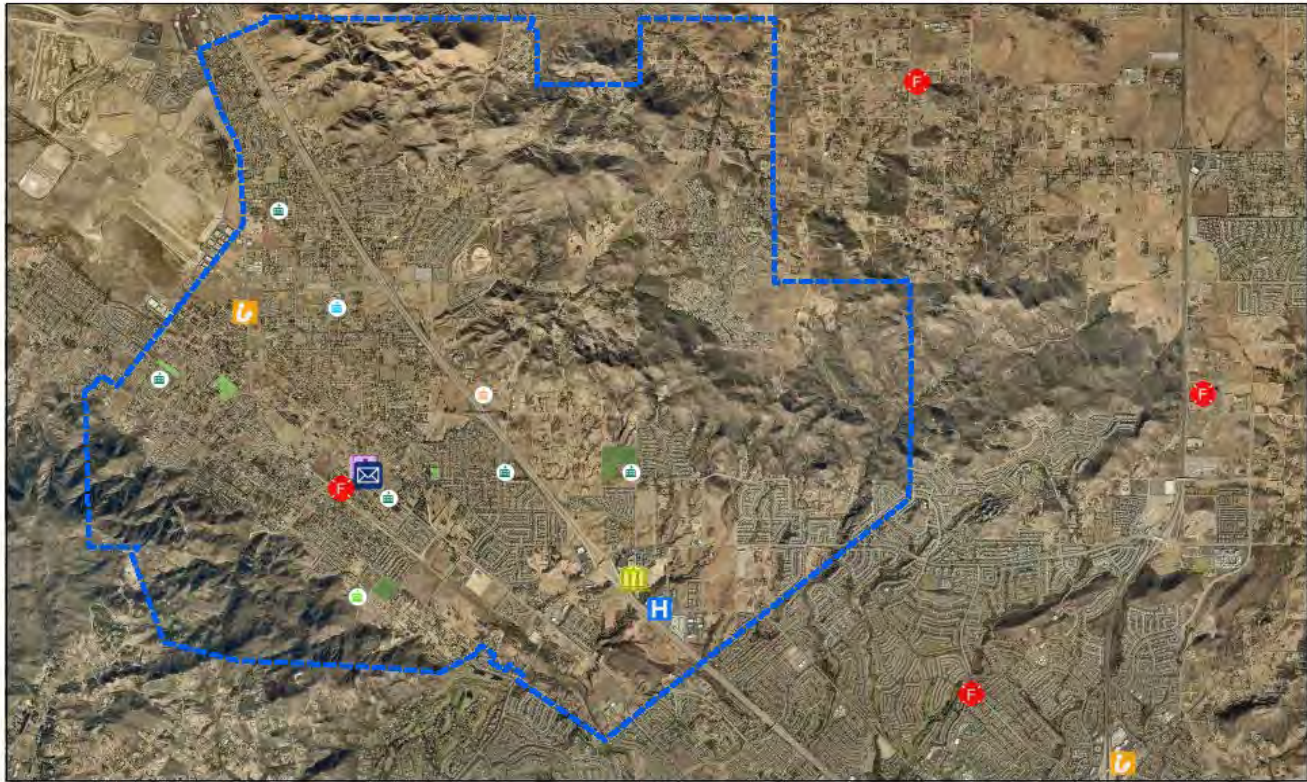
Chapter 15.96 - Flood Hazard Area Regulations **Local Mitigation Plan Review**



# APPENDIX A – PUBLIC NOTICES AND MAPS

## SEE ATTACHMENTS

City of Wildomar



10/11/2022, 2:15:08 PM

Wildomar City Limits  
City Facilities - Public Sites

CEMETERY

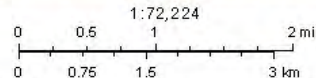
CITY HALL  
FIRE STATION

HOSPITAL  
LIBRARY

POST OFFICE  
City Facilities - Schools  
ALTERNATIVE

ELEMENTARY  
HIGH  
MIDDLE

City Facilities - Parks  
Open  
Proposed



Earthstar Geographics, Riverside County Surveyor

City of Wildomar  
Earthstar Geographics | Riverside County Surveyor | CAL FIRE recognizes the important contribution of various local government entities that contributed data, maps, and comments that were critical components of the FHS2 mapping process. | RCA | A citation for the







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# Emergency Preparedness Calendar

City of Wildomar

CITY SERVICES

Emergency Services

Emergency Preparedness Calendar



## Emergency Preparedness Calendar

Local Hazard Mitigation Plan >

# October 2022

Monthly

Today

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

25	26	27	28	29	30	1
2	3	4	5	6	7	8

9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

All times shown in (GMT-08:00) US/Pacific



23873 Clinton Keith Rd.,  
 Suite 110 Wildomar, CA  
 92595  
 951-677-7751

### Government

- City Hall >
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- City Budget >

### Business

- Business Registration >
- Bids & RFPs >

### Residents

- Emergency Preparedness >
- Special Events >
- Subscribe to Newsletter >

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# Local Hazard Mitigation Plan

[City of Wildomar](#)[CITY SERVICES](#)[Emergency Services](#)[Local Hazard Mitigation Plan](#)

[Emergency Preparedness Calendar](#)



## 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.

## Local Hazard Mitigation Plan

Comments should be emailed to Daniel Torres, Community And  
Emergency Services Department at [dtorres@cityofwildomar.org](mailto:dtorres@cityofwildomar.org)



23873 Clinton Keith Rd.,  
Suite 110 Wildomar, CA  
92595  
951-677-7751

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# APPENDIX B – INVENTORY WORKSHEETS

**SEE ATTACHMENTS**

# APPENDIX C – PLAN REVIEW TOOL/CROSSWALK

**SEE ATTACHMENTS**

# 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>
Regulation (44 CFR 201.6 Local Mitigation Plans)		(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)				

1. REGULATION CHECKLIST		Location in Plan	Met	Not Met
Regulation (44 CFR 201.6 Local Mitigation Plans)		(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>Regulation (44 CFR 201.6 Local Mitigation Plans)</b>		<b>(section and/or page number)</b>	<b>Met</b>	<b>Not Met</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))				

<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>		
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					

