

**COOK COUNTY
MULTI-JURISDICTIONAL
HAZARD MITIGATION PLAN
VOLUME 2 - Municipal Annexes**

Summit Annex

FINAL

July 2019

Prepared for:



Cook County
Department of Homeland Security and Emergency Management
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Hazard Mitigation Point of Contact

Point of Contact	Alternate Point of Contact
Wayne Hanson, Fire Chief/EMA Director 7339 W. 59th Street Summit, IL 60501 Telephone: 708-594-3931 Email Address: whanson@summitfire.us	Jerry Hurckes, Village Manager 7321 W 59th Street Summit, IL 60501 Telephone: 708 563-4800 Email Address: Jhurckes@summit-il.org

Jurisdiction Profile

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

- **Date of Incorporation:** 1890
- **Current Population:** 11,188 as of the 2018 US Census population estimate.
- **Population Growth:** The Village of Summit experienced a minor increase in population from 2000 to 2010 at 7.6%. Based on 2010 to 2017 estimates, the population is expected to grow by about 2%.
- **Location and Description:** The Village of Summit is a southwest suburb of Chicago in Cook County, located approximately 14.6 miles from the Chicago Loop. Suburbs adjacent to Summit include Lyons and Forest View to the north, Bedford Park and Bridgeview to the south, Garfield Ridge to the east, and McCook and Countryside to the west. The Stevenson Expressway (Interstate 55) runs through the northwest side of the Village. Chicago Midway International Airport is approximately three miles to the east. Argo Crossing Rail Junction (Indiana Harbor Belt Railroad/CSX and Canadian National Railway/Union Pacific Railroad) is located along the southwest boundary of the village. The majority of Summit is in the floodplain of the Des Plaines River.
- **Brief History:** Aptly named, Summit sits on the gentle rise separating the Chicago River from the Des Plaines. Various Indian tribes traveled for centuries through a mass of trails and portages that crossed the swampy interfluvium. A hint of the original landscape can be found in the Chicago Portage National Historic Site, on Harlem Avenue in Lyons, just north of Summit. From the start, Summit was marked by an extremely diverse ethnic mix. Native-born settlers, lured by frontier opportunities, were joined by Irish canal workers by the late 1830s. The Germans followed shortly thereafter. From the 1880s to the early 1900s, the flow of immigration became a flood as Poles, Croats, Slovaks, Russians, Italians, and the Dutch all arrived. A few African American and Mexican households were present at the turn of the century, and the first Greek family arrived in 1910. Incorporated in 1890, Summit's population was 547 in 1900 and eventually rose to 4,019 by 1920. After World War I, manufacturing and services diversified in Summit. The Des Plaines Valley News began in 1913, and in 2000 was one of the last independent suburban newspapers. Food processing companies, functionally related to the Argo plant, were established. The rail yards transferred meat products from the Chicago stockyards. In the 1950s, the canal was filled in at Summit, so the land could be used for the Stevenson Expressway.
- **Climate:** The climate of Summit and the Chicago area is classified as humid continental, with all four seasons distinctly represented: wet springs; hot and humid summers; pleasant autumns; and cold winters. Annual precipitation is average and reaches its lowest points in the months of January and February, and peaks in the months of May and June. Winter proves quite variable. Seasonal snowfall in the Village has ranged from 9 – 90 inches. The daily average temperature in January at Midway Airport is 24.8 °F (-4.0°C), and temperatures often stay below freezing for several consecutive days or even weeks in January and February. Temperatures drop to or below 0 °F (-18 °C) on 5.5 nights annually at Midway and 8.2 nights at O'Hare. Spring in the Chicago area is perhaps the area's wettest and unpredictable season. Winter-like conditions can persist well into April and even occasionally into May. Thunderstorms are especially prevalent in

the springtime as the area's lakeside location makes it a center of conflicts between large volumes of warmer and colder air, triggering many kinds of severe weather. Temperatures vary tremendously in the springtime: March is the month with the greatest span between the record highs and lows. On a typical summer day, humidity is usually moderately high and temperatures ordinarily reach anywhere between 78 and 92 °F (26 and 33 °C). The extreme heat that the Chicago area is capable of experiencing during the height of the summer season can persist into autumn. Temperatures have reached 100 °F high and subzero lows below –18 °C. Fall can bring heavy thunderstorms, many of which are capable of producing flooding. The average first accumulating snow occurs around November 19.

- **Governing Body Format:** The Village of Summit operates with a Mayor/Village Board form of Government. The Mayor, Village Clerk, and six Trustees serve as the elected officials for the Village Government. This body will assume the responsibility for the implementation and adoption of this plan. Village services include Police, Fire, Community Development and water and sewer utilities.
- **Development Trends:** The Village's strategic location, diverse ethnic background, and aggressive economic development plans create ideal opportunities for domestic and international business investment and growth within the community. Summit is directly connected to Interstate 55, with two interchanges flowing into and out of the Village. Summit borders Chicago on the eastern side of the Village, separated by Harlem Avenue, a major metropolitan roadway experiencing heavy traffic volume.

Summit's neighbor to the southeast is the village of Bridgeview, which boasts Toyota Park, which was built in 2006 and home to the Chicago Fire - Chicago's own Major League Soccer Club. Toyota Park also hosts concerts and numerous other events throughout the year. On Summit's southwest border lies the village of Bedford Park, a small population community with a large, thriving business park. Summit is situated four miles west of Chicago's Midway International Airport and Orange Line commuter rail. The Village also has an Amtrak stop allowing direct travel to and from Chicago's downtown district, as well as central Illinois and beyond. The Village of Summit has undertaken economic development projects through Tax Increment Financing (TIF) in various designated areas, including 63rd Street on the south side of the Village, less than one mile from Bridgeview's Toyota Park. The 63rd Street TIF uses local funds to improve infrastructure aimed to facilitate business development in these areas. Summit's opportunities for business investment and growth within the community have never been better. The Village is committed to promoting business investment, growth, and sustainability in the 21st century.

Capability Assessment

The assessment of the jurisdiction’s legal and regulatory capabilities is presented in the *Legal and Regulatory Capability Table* below. The assessment of the jurisdiction’s fiscal capabilities is presented in the *Fiscal Capability Table* below. The assessment of the jurisdiction’s administrative and technical capabilities is presented in the *Administrative and Technical Capability Table* below. Information on the community’s National Flood Insurance Program (NFIP) compliance is presented in the *National Flood Insurance Program Compliance Table* below. Classifications under various community mitigation programs are presented in the *Community Classifications Table* below.

TABLE: LEGAL AND REGULATORY CAPABILITY					
	Local Authority	State or Federal Prohibitions	Other Jurisdictional Authority	State Mandated	Comments
Codes, Ordinances & Requirements					
Building Code	Yes	No	No	Yes	10-0-10 (5-17-2010)
Zonings	Yes	No	No	Yes	11-1-1 (1965 Code)
Subdivisions	Yes	No	No	No	00-0-13 (11-20-2000)
Stormwater Management	Yes	No	Yes	Yes	State regulates industrial activity from Construction sites 1 acre or larger under section 402 CWA. 00-0-13 (11-20-2000)
Post Disaster Recovery	No	No	No	No	
Real Estate Disclosure	No	No	Yes	Yes	(765 ILCS 77/) Residential Real Property Disclosure Act.
Growth Management	Yes	No	No	No	CMAP in progress

Site Plan Review	Yes	No	No	No	00-O-13 (11-20-2000)
Public Health and Safety	Yes	No	Yes	Yes	Cook County Board of Health 05-14-12 (1965 Code)
Environmental Protection	Yes	No	No	No	
Planning Documents					
General or Comprehensive Plan	No	No	No	No	
<i>Is the plan equipped to provide linkage to this mitigation plan?</i>					N/A
Floodplain or Basin Plan	No	No	Yes	No	08-O-03 (4-7-2008)
Stormwater Plan	No	No	MWRD	No	
Capital Improvement Plan	Yes	No	No	No	
<i>What types of capital facilities does the plan address?</i>					Unknown
<i>How often is the plan revised/updated?</i>					Unknown
Habitat Conservation Plan	No	No	No	No	
Economic Development Plan	No	No	Yes	Yes	The Economic Development Commission is charged with reviewing all economic development related programs and incentives including tax incentives offered through the Cook County 6b program.
Shoreline Management Plan	No	No	No	No	
Response/Recovery Planning					

Comprehensive Emergency Management Plan	Yes	No	Yes	Yes	Cook County DHSEM
Threat and Hazard Identification and Risk Assessment	No	No	Yes	No	Cook County DHSEM Preparing THIRA
Terrorism Plan	No	No	Yes	Yes	Cook County DHSEM
Post-Disaster Recovery Plan	No	No	No	No	
Continuity of Operations Plan	No	No	Yes	No	Cook County DHSEM
Public Health Plans	No	No	Yes	No	Cook County DPH

TABLE: FISCAL CAPABILITY	
Financial Resources	Accessible or Eligible to Use?
Community Development Block Grants	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	Yes
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	Yes
Incur Debt through Private Activity Bonds	Yes
Withhold Public Expenditures in Hazard-Prone Areas	Yes
State Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	Yes

TABLE: ADMINISTRATIVE AND TECHNICAL CAPABILITY

Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Engineering Department
Engineers or professionals trained in building or infrastructure construction practices	Yes	Engineering Department
Planners or engineers with an understanding of natural hazards	Yes	Engineering Department
Staff with training in benefit/cost analysis	Yes	Engineering Department
Surveyors	Yes	Engineering Department
Personnel skilled or trained in GIS applications	Yes	Cook County GIS Consortium
Scientist familiar with natural hazards in local area	Yes	Engineering Department
Emergency manager	Yes	EMA Director/ Engineering Department
Grant writers	Yes	Engineering Department

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Building Department
Who is your jurisdiction’s floodplain administrator? (department/position)	Building Commission
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	June 2008
When was the most recent Community Assistance Visit or Community Assistance Contact?	Have not had a Community Assistance Visit
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, please state what they are.	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction? (If no, please state why)	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program? If so, what type of assistance/training is needed?	No
Does your jurisdiction participate in the Community Rating System (CRS)? If so, is your jurisdiction seeking to improve its CRS Classification? If not, is your jurisdiction interested in joining the CRS program?	No and Yes

TABLE: COMMUNITY CLASSIFICATIONS			
	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	Yes	Unknown	Unknown
Public Protection/ISO	Yes	5	May 2011
StormReady	Yes	Gold (Countywide)	2014
Tree City USA	No	N/A	N/A

Jurisdiction-Specific Natural Hazard Event

The information provided below was solicited from the jurisdiction and supported by NOAA and other relevant data sources.

The *Natural Hazard Events Table* lists all past occurrences of natural hazards within the jurisdiction. Repetitive flood loss records are as follows:

- Number of FEMA-Identified Repetitive Loss Properties: 1
- Number of FEMA-Identified Severe Repetitive Loss Properties: 0
- Number of Repetitive Flood Loss/Severe Repetitive Loss Properties That Have Been Mitigated: 0

TABLE: NATURAL HAZARD EVENTS			
Type of Event	FEMA Disaster Number (if applicable)	Date	Preliminary Damage Assessment
Severe Storms	DR-4116	2013	-
Severe Winter Storms	DR-1960	2011	-
Severe Storms/Flooding	DR-1935	2010	-
Severe Storms/Flooding	DR-1800	2008	-
Severe Storms/Flooding	DR-1729	2007	-
Severe Winter Storm	EM-3161	2000	-
Winter Snow Storm	EM-3134	1999	-
Flooding	DR-1188	1997	-
Flooding	DR-1129	1996	-
Severe Storms/Flooding	DR-997	1993	-
Severe Storms/Flooding	DR-798	1987	-
Severe Storms/Flooding	DR-776	1986	-

[Jurisdiction-Specific Hazards and Impacts](#)

Hazards that represent a county-wide risk are addressed in the Risk Assessment section of the 2019 Cook County Multi-Jurisdictional Hazard Mitigation Plan Update. This section only addresses the hazards and their associated impacts that are **relevant** and **unique** to the municipality.

Flood: The roadway underpass at 63rd and Archer Road and residential streets throughout the Village are subject to flooding.

High Winds: The Village is vulnerable to experiencing tree damage and power line damage during high wind events.

Severe Weather: In 2010, the roof of a storage facility near 66th Street and Narragansett partially collapsed during heavy rain which fell during the early morning hours of July 24th. In 2011, tree limbs 5 to 6 inches in diameter were blown down along 62nd Street. A 20-inch diameter tree was split vertically down the middle.

Winter Storms and Severe Cold: Like high wind events, power outages can occur, which is particularly bad for the population 65 and older ([8.8% of the population](#)). Additionally, freezing pipes occur when temperatures drop too low.

Hazard Risk Ranking

The *Hazard Risk Ranking Table* below presents the ranking of the hazards of concern. Hazard area extent and location maps are included at the end of this chapter. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes.

TABLE: HAZARD RISK RANKING		
Rank	Hazard Type	Risk Rating Score (Probability x Impact)
1	Severe Weather	54
2	Severe Winter Weather	54
3	Tornado	51
4	Earthquake	32
5	Flood	18
6	Drought	2
7	Dam Failure	0

Mitigation Strategies and Actions

The heart of the mitigation plan is the mitigation strategy, which serves as the long-term blueprint for reducing the potential losses identified in the risk assessment. The mitigation strategy describes how the community will accomplish the overall purpose, or mission, of the planning process. In this section, mitigation actions/projects were updated/amended, identified, evaluated, and prioritized. This section is organized as follows:

- New Mitigation Actions - New actions identified during this 2019 update process
- Ongoing Mitigation Actions - Ongoing actions with no definitive end or that are still in progress. During the 2019 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed.
- Completed Mitigation Actions - An archive of all identified and completed projects, including completed actions since 2014.

The *Hazard Mitigation Action Plan Matrix Table* below lists the actions that make up the jurisdiction’s hazard mitigation plan. The *Mitigation Strategy Priority Schedule Table* identifies the priority for each action.

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX						
Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
Action S12.1 —Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.						
Ongoing	All	7, 13	Village of Summit	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action S12.2 —Continue to support the countywide actions identified in this plan.						
Ongoing	All	All	Village of Summit	Low	General Fund	Short- and long-term
Action S12.3 —Actively participate in the plan maintenance strategy identified in this plan.						
Ongoing	All	3, 4, 6	DHSEM, Village of Summit	Low	General Fund	Short-term
Action S12.4 —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.						

Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village of Summit	Low	General Fund	Long-term
Action S12.5 —Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.						
Ongoing	Flooding	4, 6, 9	Village of Summit	Low	General Fund	Short-term and ongoing
Action S12.6 —Where feasible, implement a program to record high water marks following high-water events.						
Ongoing	Flooding, Severe Weather	3, 6, 9	Village of Summit	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action S12.7 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.						
Ongoing	All	3, 4, 6, 10, 13	Engineering Department	Low	General Fund	Short-term
Action S12.8 —Green Infrastructure Alley Improvements						
New	Flood	3, 12	MWRD	Unknown	MWRD	Short-term
Action S12.9 —Educate public on pipe freezing during inclement weather condtions						
New	Extreme Cold	6	Summit Fire Department	200; Low	TBD	2020
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.						

TABLE: MITIGATION STRATEGY PRIORITY SCHEDULE							
Action Number	Number of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/Budgets?	Priority (a)
1	2	High	High	Yes	Yes	No	Medium
2	13	Medium	Low	Yes	No	Yes	High

3	3	Medium	Low	Yes	Yes	Yes	High
4	9	Medium	Low	Yes	No	Yes	Medium
5	3	Medium	Low	Yes	No	Yes	High
6	3	Medium	Medium	Yes	Yes	No	Medium
7	5	Medium	Low	Yes	No	Yes	High
8	2	Medium	Unknown	Unknown	Yes	Unknown	Medium
9	1	Low	Low	Yes	Unknown	Unknown	Low

(a) See Chapter 1 for explanation of priorities.

New Mitigation Actions

The following are new mitigation actions created during the 2019 update.

Action S12.8

Mitigation Action	Green Infrastructure Alley Improvements
Year Initiated	2019
Applicable Jurisdiction	Village of Summit
Lead Agency/Organization	MWRD
Supporting Agencies/Organizations	Village of Summit
Applicable Goal	<ul style="list-style-type: none"> • Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects. • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events
Applicable Objective	<ul style="list-style-type: none"> • Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change. • Encourage hazard mitigation measures that result in the least adverse effect on the natural environment and that use natural processes.
Potential Funding Source	MWRD
Estimated Cost	N/A
Benefits (loss avoided)	
Projected Completion Date	TBD
Priority and Level of Importance (Low, Medium, High)	Medium
Benefit Analysis (Low, Medium, High)	Medium
Cost Analysis (Low, Medium, High)	N/A
Actual Completion Date	

Recommended Mitigation Action/Implementation Plan and Project Description	
Action/Implementation Plan and Project Description:	

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		

2022		
2023		

Mitigated Hazards	
	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
X	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

Action S12.9

Mitigation Action	Educate public on pipe freezing during inclement weather conditions
Year Initiated	2019
Applicable Jurisdiction	Summit Fire Department
Lead Agency/Organization	Summit Fire Department
Supporting Agencies/Organizations	Summit Fire Department
Applicable Goal	<ul style="list-style-type: none"> • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events. • Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards. • Develop, promote, and integrate mitigation action plans. • Promote public understanding of and support for hazard mitigation.
Applicable Objective	<ul style="list-style-type: none"> • Use the best available data, science and technologies to educate the public and to improve understanding of the location and potential impacts of natural hazards, the vulnerability of building types and community development patterns, and the measures needed to protect life safety.
Potential Funding Source	TBD
Estimated Cost	200.00
Benefits (loss avoided)	Being pro-active
Projected Completion Date	2020
Priority and Level of Importance (Low, Medium, High)	Low Priority
Benefit Analysis (Low, Medium, High)	Low—Long-term benefits of the project are difficult to quantify in the short term.
Cost Analysis (Low, Medium, High)	Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.

Actual Completion Date	
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Recommended Mitigation Action/Implementation Plan and Project Description	
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Action/Implementation Plan and Project Description:	Newsletter to residents
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Mitigation Action and Project Maintenance		
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Year	Status	Comments
2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
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	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
X	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

Ongoing Mitigation Actions

The following are ongoing actions with no definitive end or that are still in progress. During the 2019 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed.

Action S12.1

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# 1—S12. 1	Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.	
Status Description: No	No action due to budget restrictions.	X
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action S12.2

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# 2—S12.2	Continue to support the county-wide actions identified in this plan.	
Status Description: No		X
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action S12.3

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# 3—S12.3	Actively participate in the plan maintenance strategy identified in this plan.	
Status Description: No		X
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action S12.4

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# 4—S12.4	Consider participation in incentive-based programs such as the Community Rating System, Tree City, Storm Ready.	
Status Description: No		X
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action S12.5

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# 5—S12.5	Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information in floodplain requirements and impacts.	
Status Description: Yes	We have updated flood plain mapping and provide assistance and information to the public. We have a flood damage prevention ordinance.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action S12.6

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# 6—S12.6	Where feasible, implement a program to record high water marks following high-water events.	
Status Description: No	No high water events this reporting period.	X
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action S12.7

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# 7—S12.7	Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.	
Status Description: Yes	Flood plan is consulted in the zoning and building approval process.	O
<p style="text-align: center;">Completion status legend:</p> <p style="text-align: center;">N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Completed Mitigation Actions

Summit has no completed actions at this time.

Future Needs to Better Understand Risk/Vulnerability

No needs have been identified at this time.

Additional Comments

No additional comments at this time

HAZUS-MH Risk Assessment Results

SUMMIT EXISTING CONDITIONS	
2010 Population	11,054
Total Assessed Value of Structures and Contents	\$4,890,345,873
Area in 100-Year Floodplain	162.19 acres
Area in 500-Year Floodplain	162.19 acres
Number of Critical Facilities	66

HAZARD EXPOSURE IN SUMMIT						
	Number Exposed		Value Exposed to Hazard		Total	% of Total Assessed Value Exposed
	Population	Buildings	Structure	Contents		
Dam Failure						
Buffalo Creek	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #2	0	0	\$0	\$0	\$0	0.00%
Touhy	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #3	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #4	0	0	\$0	\$0	\$0	0.00%
Flood						
100-Year	23	7	\$3,812,324	\$5,718,486	\$9,530,810	0.19%

500-Year	23	7	\$3,812,324	\$5,718,486	\$9,530,810	0.19%
Tornado						
100-Year	—	—	\$1,213,925,225	\$1,075,584,705	\$2,289,509,930	46.82%
500-Year	—	—	\$2,037,178,748	\$1,834,724,892	\$3,871,903,640	79.17%

ESTIMATED PROPERTY DAMAGE VALUES IN SUMMIT				
	Estimated Damage Associated with Hazard			% of Total Assessed Value Damaged
	Building	Contents	Total	
Dam Failure				
Buffalo Creek	\$0	\$0	\$0	0.00%
U. Salt Cr. #2	\$0	\$0	\$0	0.00%
Touhy	\$0	\$0	\$0	0.00%
U. Salt Cr. #3	\$0	\$0	\$0	0.00%
U. Salt Cr. #4	\$0	\$0	\$0	0.00%
Earthquake				
1909 Historical Event	\$73,398,368	\$26,285,128	\$99,683,496	2.04%
Flood				
10-Year	\$843,546	\$2,511,204	\$3,354,751	0.07%
100-Year	\$1,075,250	\$3,079,290	\$4,154,540	0.08%
500-Year	\$1,075,250	\$3,079,290	\$4,154,540	0.08%

Tornado				
100-Year	\$121,392,523	\$107,558,470	\$228,950,993	4.68%
500-Year	\$297,428,097	\$267,869,832	\$565,297,931	11.56%

Hazard Mapping





